

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064406.D
 Acq On : 27 Nov 2019 20:14
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:47 AM

Quant Time: Nov 29 07:13:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 06:39:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	455895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	658768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	611438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	621972	166.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	333.18%	
35) Dibromofluoromethane	7.92	113	603685	159.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.66%	
50) Toluene-d8	10.34	98	2321338	163.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	327.30%	
62) 4-Bromofluorobenzene	12.64	95	755507	155.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	521369	137.573	ug/l	98
3) Chloromethane	2.21	50	651085	154.961	ug/l	100
4) Vinyl Chloride	2.35	62	779883	170.495	ug/l	97
5) Bromomethane	2.74	94	603628	204.159	ug/l	94
6) Chloroethane	2.91	64	527057	178.840	ug/l	98
7) Trichlorofluoromethane	3.26	101	1298557	174.105	ug/l	97
8) Diethyl Ether	3.71	74	294855	151.642	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	553858	137.119	ug/l	99
10) Methyl Iodide	4.29	142	735244	181.758	ug/l	99
11) Tert butyl alcohol	5.26	59	183438	704.111	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	535168	139.155	ug/l	98
13) Acrolein	3.92	56	248417	1061.160	ug/l	100
14) Allyl chloride	4.71	41	875179	131.569	ug/l	99
15) Acrylonitrile	5.43	53	658363	789.781	ug/l	98
16) Acetone	4.17	43	534684	610.936	ug/l	97
17) Carbon Disulfide	4.40	76	1715106	142.664	ug/l	99
18) Methyl Acetate	4.72	43	345312	140.255	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	1378821	150.644	ug/l	98
20) Methylene Chloride	4.96	84	593238	131.490	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	622678	142.643	ug/l	97
22) Diisopropyl ether	6.37	45	1823420	145.597	ug/l	96
23) Vinyl Acetate	6.31	43	5673344	806.097	ug/l	99
24) 1,1-Dichloroethane	6.27	63	1046721	143.300	ug/l	98
25) 2-Butanone	7.23	43	838983	730.490	ug/l	100
26) 2,2-Dichloropropane	7.21	77	897305	127.724	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	697302	148.245	ug/l	100
28) Bromochloromethane	7.55	49	395383	155.738	ug/l	99
29) Tetrahydrofuran	7.57	42	539425	778.745	ug/l	99
30) Chloroform	7.71	83	1091881	145.684	ug/l	99
31) Cyclohexane	7.98	56	913756	124.663	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	997013	139.714	ug/l	99
36) 1,1-Dichloropropene	8.11	75	840057	139.181	ug/l	100
37) Ethyl Acetate	7.30	43	377912	147.059	ug/l	99
38) Carbon Tetrachloride	8.10	117	924915	142.659	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1030589	134.175	ug/l	98
40) Benzene	8.35	78	2423149	145.802	ug/l	100
41) Methacrylonitrile	7.53	41	219383	136.296	ug/l	90
42) 1,2-Dichloroethane	8.43	62	725696	145.953	ug/l	98
43) Isopropyl Acetate	8.46	43	770273	146.561	ug/l	99
44) Trichloroethene	9.11	130	702044	141.161	ug/l	95
45) 1,2-Dichloropropane	9.39	63	584658	144.230	ug/l	99
46) Dibromomethane	9.48	93	342895	156.846	ug/l	99
47) Bromodichloromethane	9.67	83	868392	148.379	ug/l	100
48) Methyl methacrylate	9.46	41	354443	139.008	ug/l	97
49) 1,4-Dioxane	9.47	88	83311	3168.648	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	1954837	771.621	ug/l	100
52) Toluene	10.41	92	1622679	148.822	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	861952	148.246	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	994419	146.290	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	453350	153.177	ug/l	98
56) Ethyl methacrylate	10.66	69	622207	151.805	ug/l	99
57) 1,3-Dichloropropane	10.95	76	791761	153.788	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	1127368	690.359	ug/l	100
59) 2-Hexanone	10.99	43	1332487	743.821	ug/l	100
60) Dibromochloromethane	11.14	129	639010	154.874	ug/l	98
61) 1,2-Dibromoethane	11.25	107	466716	157.376	ug/l	99
64) Tetrachloroethene	10.88	164	600952	128.759	ug/l	99
65) Chlorobenzene	11.67	112	1726216	139.092	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	681548	144.556	ug/l	98
67) Ethyl Benzene	11.75	91	3096908	138.264	ug/l	99
68) m/p-Xylenes	11.86	106	2398204	279.512	ug/l	100
69) o-Xylene	12.18	106	1121452	140.927	ug/l	98
70) Styrene	12.20	104	2014224	145.233	ug/l	100
71) Bromoform	12.37	173	402622	149.600	ug/l #	98
73) Isopropylbenzene	12.48	105	3019021	130.876	ug/l	100
74) N-amyl acetate	12.30	43	731638	134.200	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	491004	138.502	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	402554m	159.216	ug/l	
77) Bromobenzene	12.77	156	765707	136.126	ug/l	99
78) n-propylbenzene	12.83	91	3463013	131.368	ug/l	100
79) 2-Chlorotoluene	12.91	91	1906602	128.511	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	2500144	131.772	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	171797	135.704	ug/l	97
82) 4-Chlorotoluene	13.01	91	2055802	132.527	ug/l	99
83) tert-Butylbenzene	13.23	119	2159253	129.697	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	2548894	136.075	ug/l	99
85) sec-Butylbenzene	13.41	105	2917409	129.946	ug/l	99
86) p-Isopropyltoluene	13.53	119	2849582	133.614	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1453032	138.683	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1407818	138.085	ug/l	99
89) n-Butylbenzene	13.85	91	2523688	130.920	ug/l	99
90) Hexachloroethane	14.12	117	516860	130.715	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	1240404	139.509	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	79063	127.158	ug/l	97

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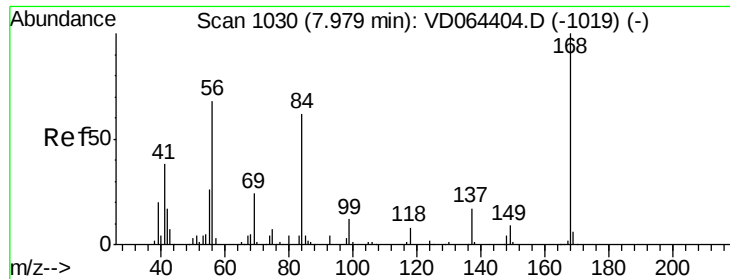
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	923489	135.342	ug/l	99
94) Hexachlorobutadiene	15.28	225	555470	126.510	ug/l	99
95) Naphthalene	15.41	128	1594629	141.534	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	800133	137.085	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 455895

Ion Ratio Lower Upper

168 100

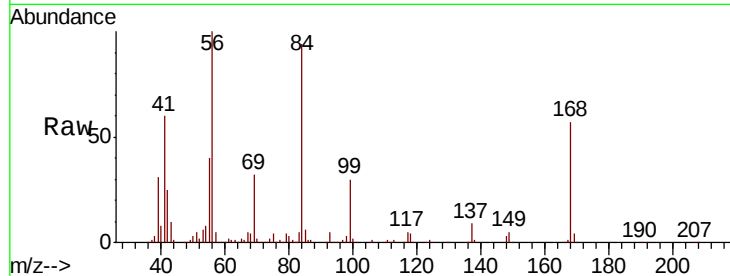
99 51.6 40.7 61.1

Manual Integrations

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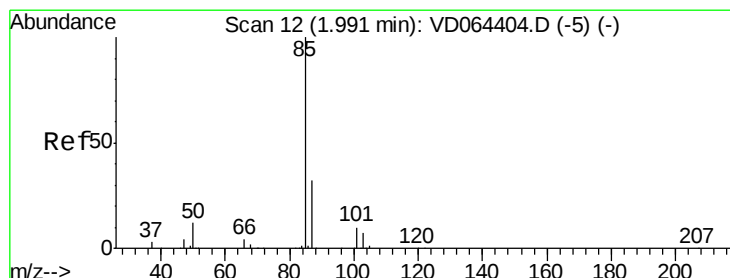
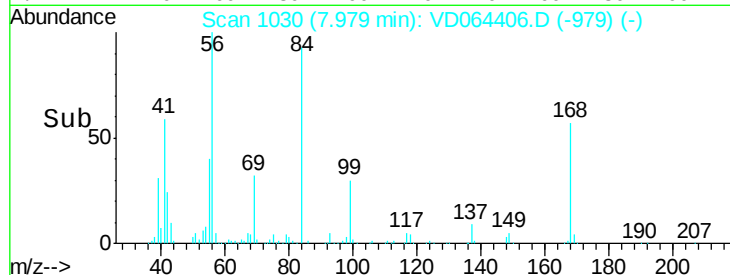
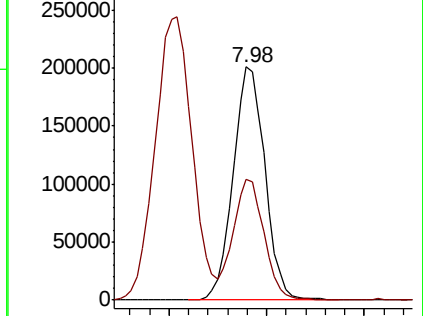
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 137.573 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064406.D

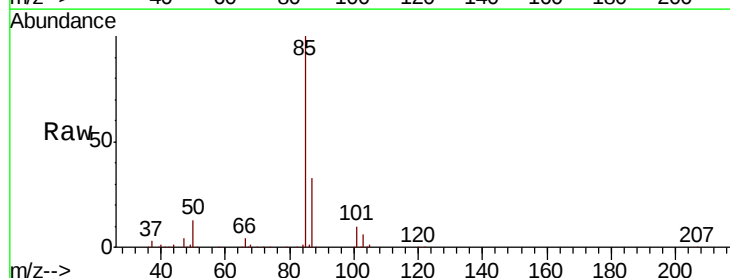
Acq: 27 Nov 2019 20:14

Tgt Ion: 85 Resp: 521369

Ion Ratio Lower Upper

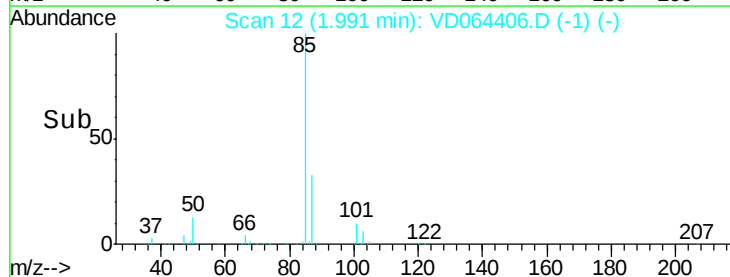
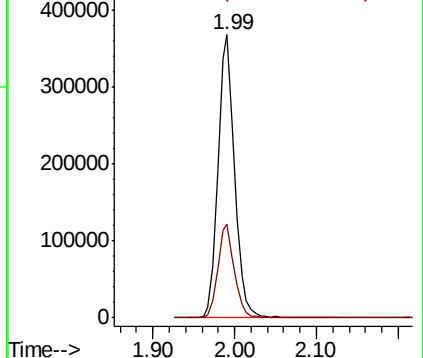
85 100

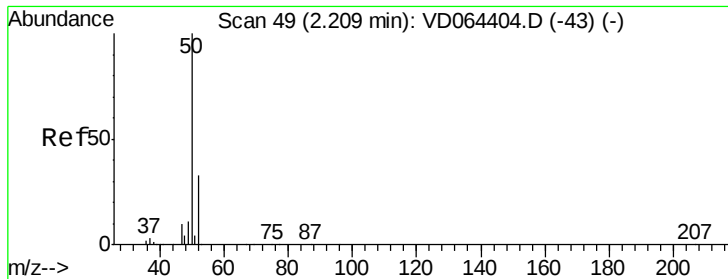
87 33.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 154.961 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 651085

Ion Ratio Lower Upper

50 100

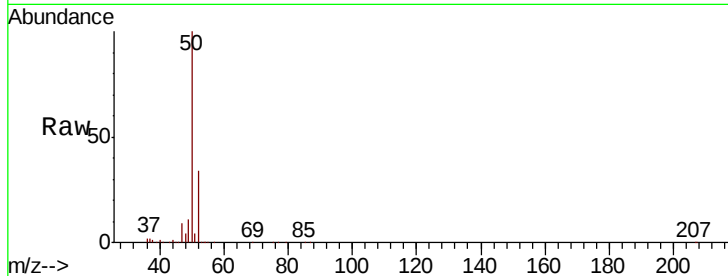
52 33.7 26.7 40.1

Manual Integrations

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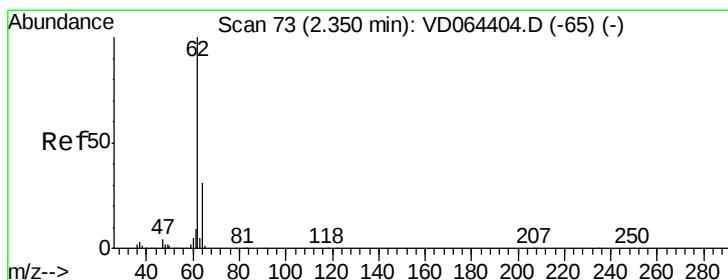
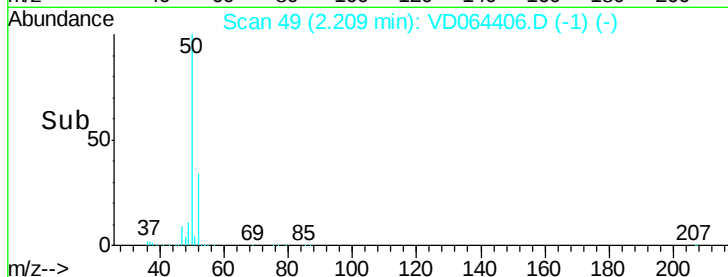
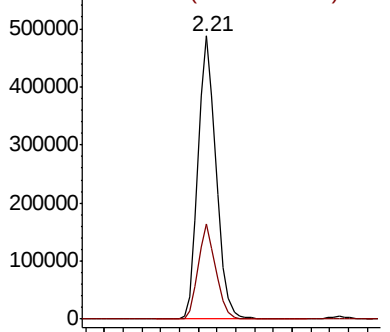
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 170.495 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064406.D

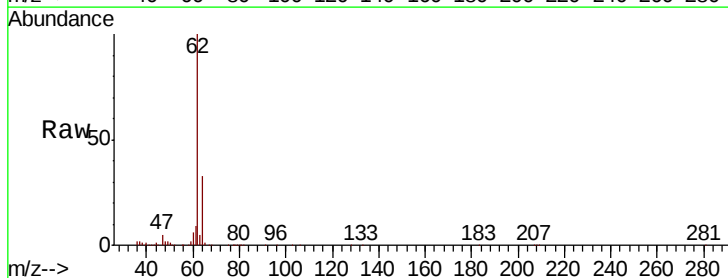
Acq: 27 Nov 2019 20:14

Tgt Ion: 62 Resp: 779883

Ion Ratio Lower Upper

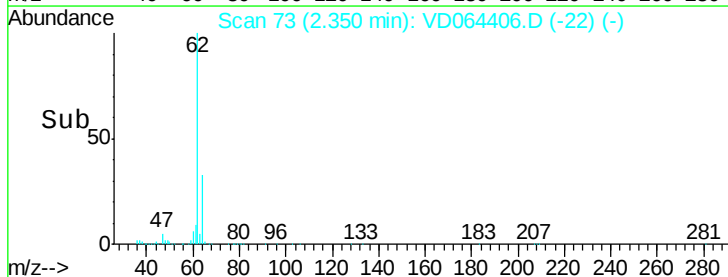
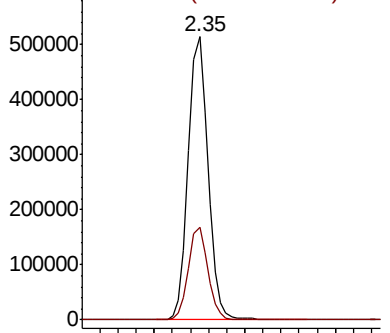
62 100

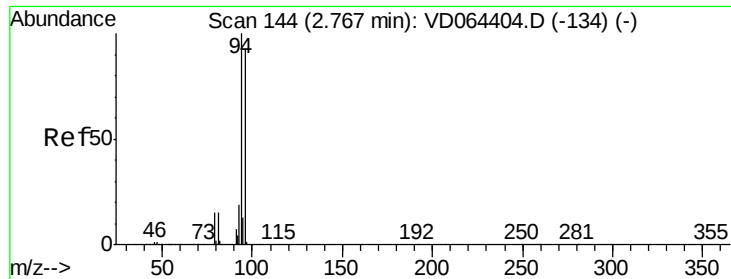
64 32.9 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 204.159 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.02 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 603628

Ion Ratio Lower Upper

94 100

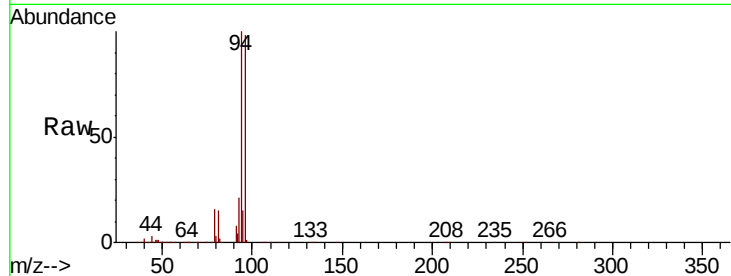
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Manual Integrations

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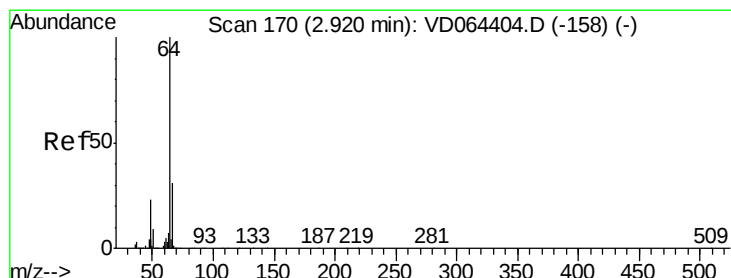
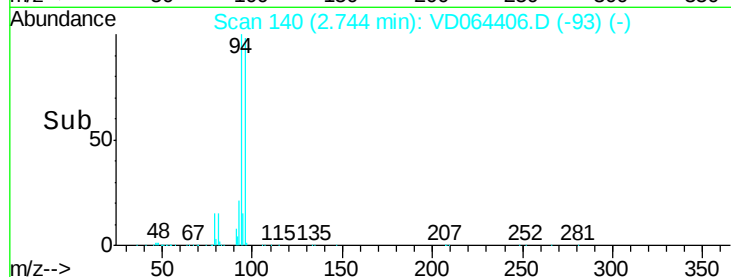
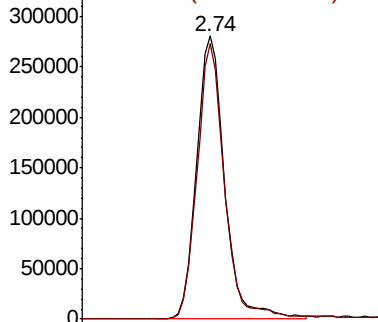
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 178.840 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD064406.D

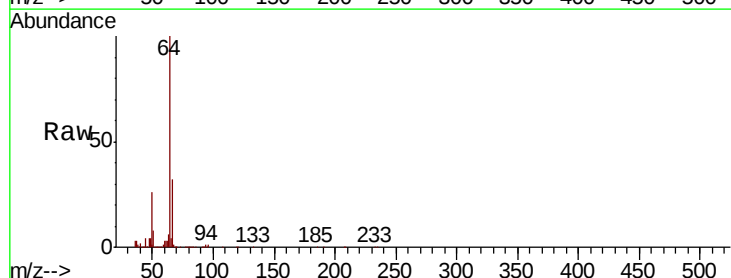
Acq: 27 Nov 2019 20:14

Tgt Ion: 64 Resp: 527057

Ion Ratio Lower Upper

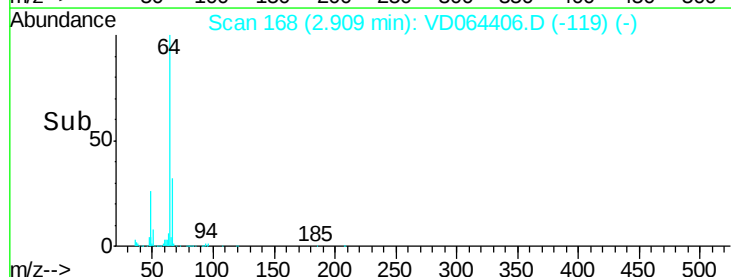
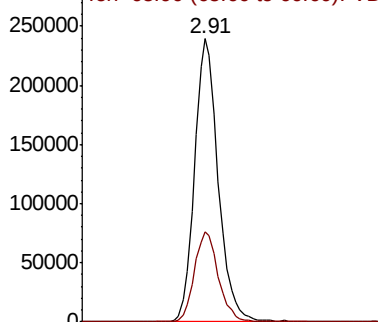
64 100

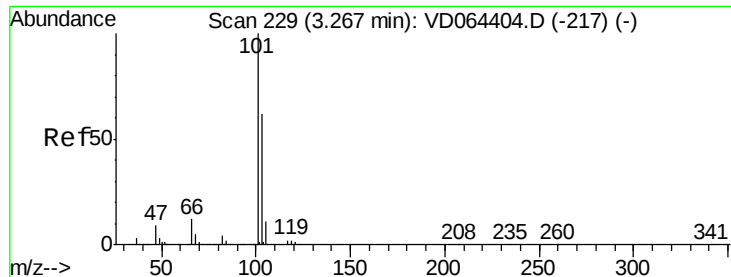
66 31.8 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

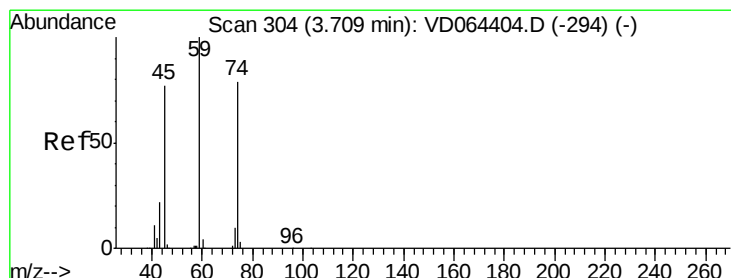
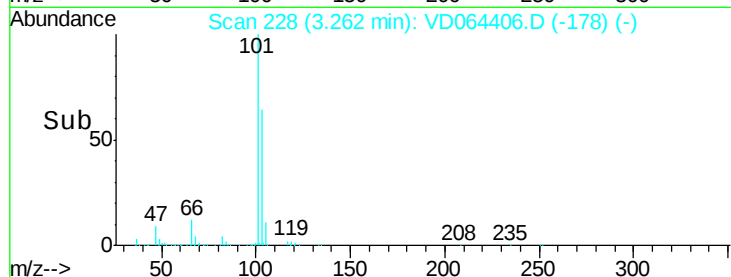
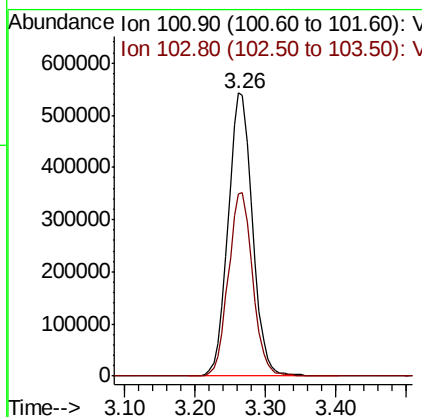
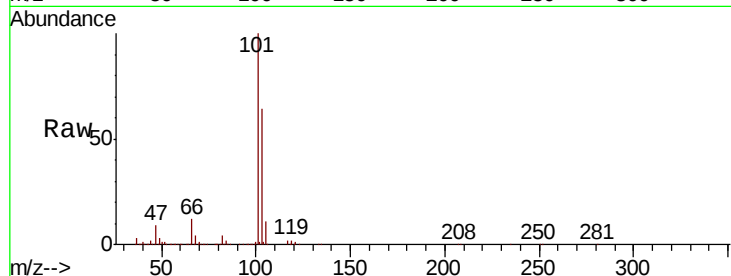
Trichlorofluoromethane
Concen: 174.105 ug/l
RT: 3.26 min Scan# 228
Delta R.T. -0.01 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	49.8	74.6

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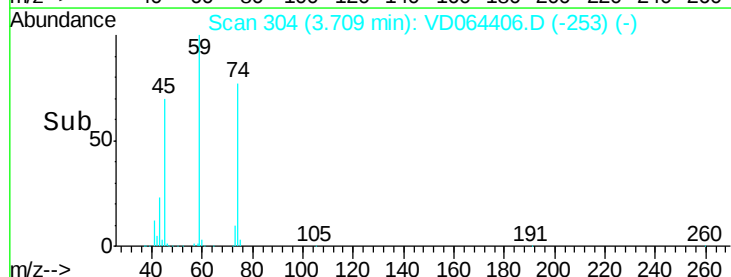
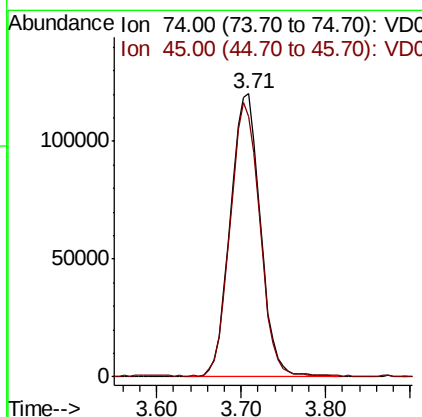
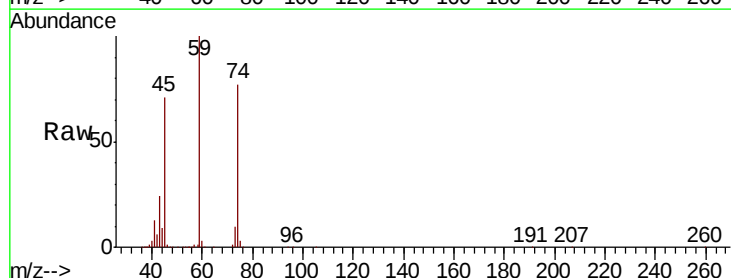
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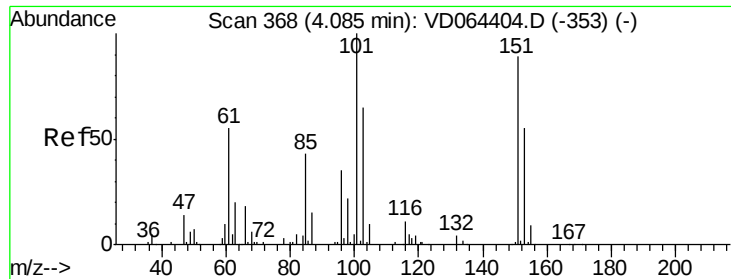


#8

Diethyl Ether
Concen: 151.642 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 137.119 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

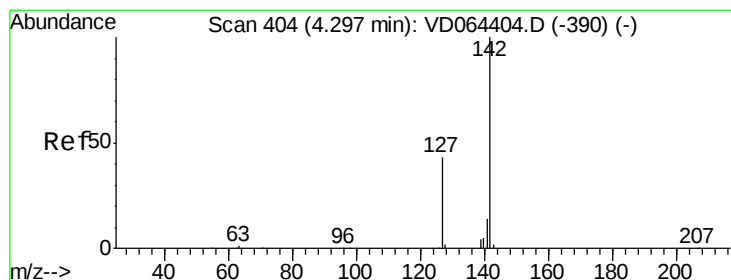
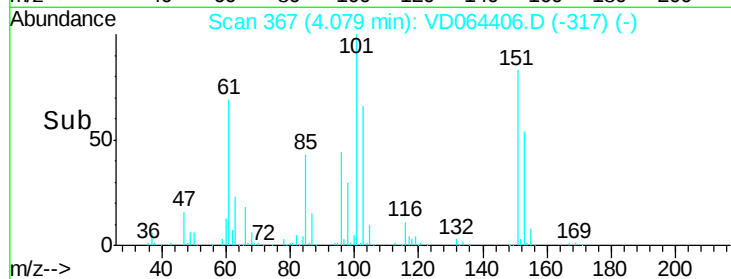
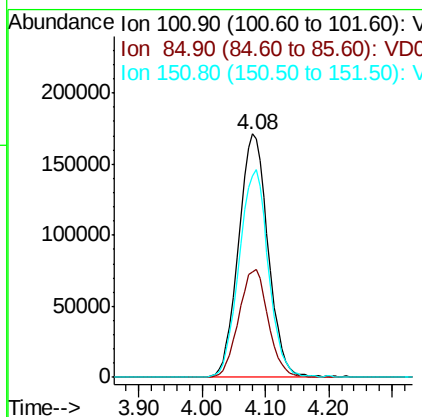
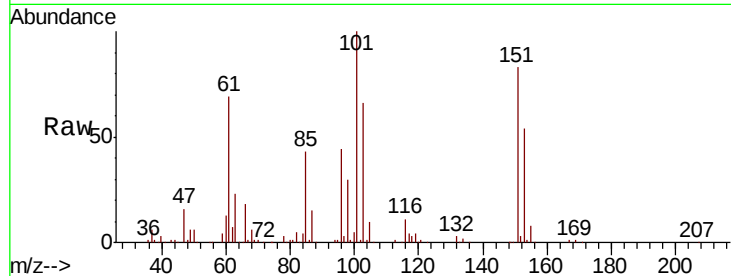
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	553858
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.8	52.2
151	84.8	68.8	103.2

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#10

Methyl Iodide

Concen: 181.758 ug/l

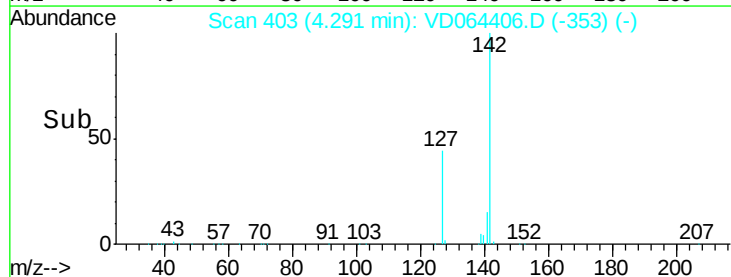
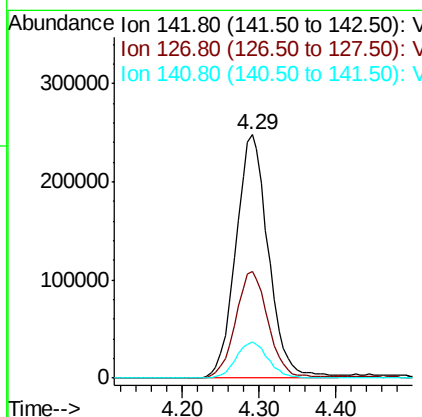
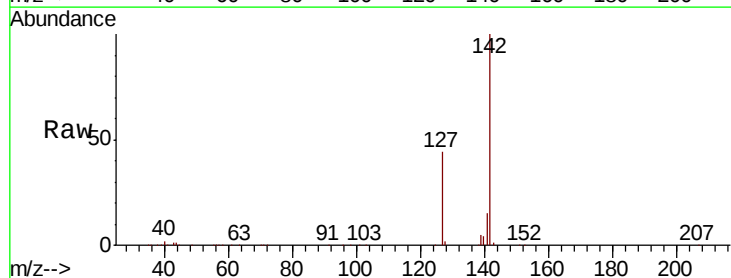
RT: 4.29 min Scan# 403

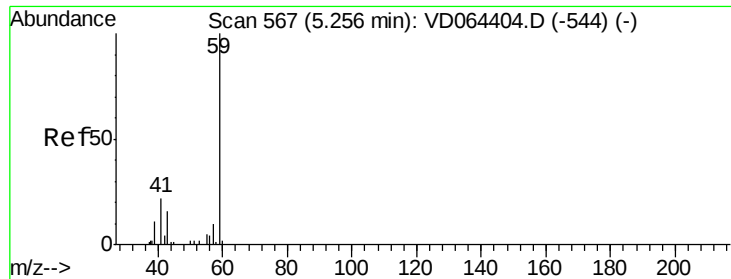
Delta R.T. -0.01 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Tgt Ion:	142	Resp:	735244
Ion Ratio	Lower	Upper	
142	100		
127	43.7	35.3	52.9
141	14.7	11.6	17.4





#11

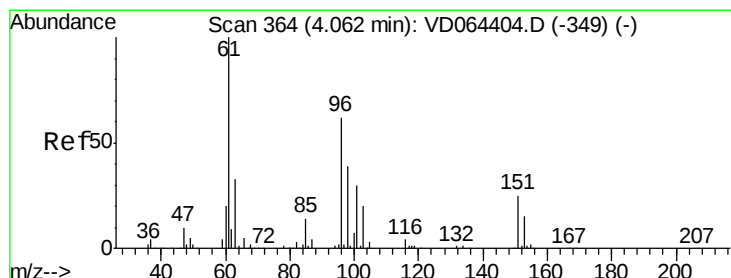
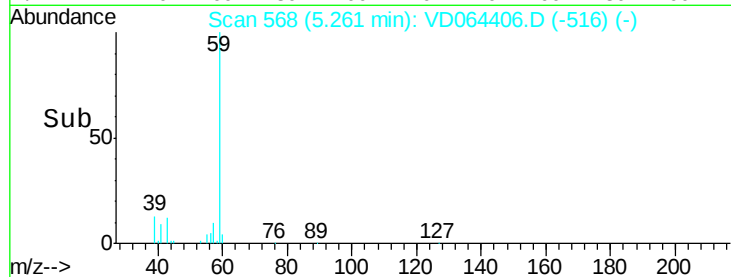
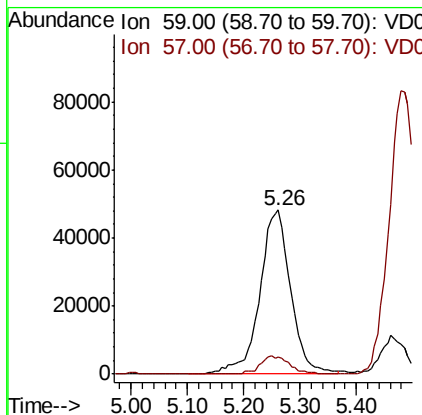
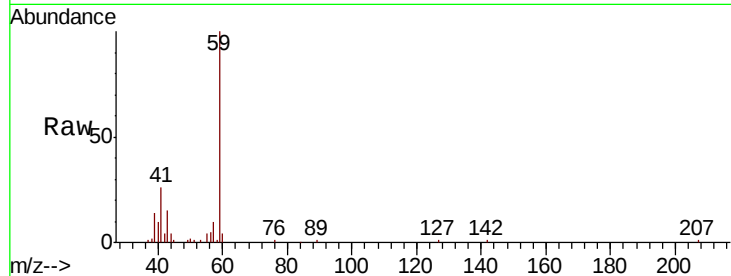
Tert butyl alcohol
Concen: 704.111 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	0.0	0.0#

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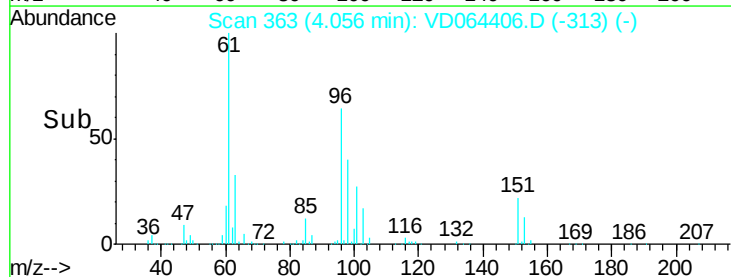
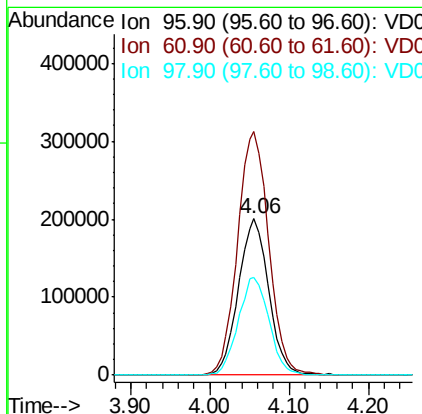
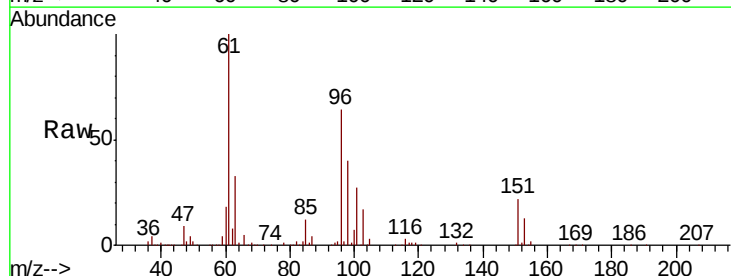
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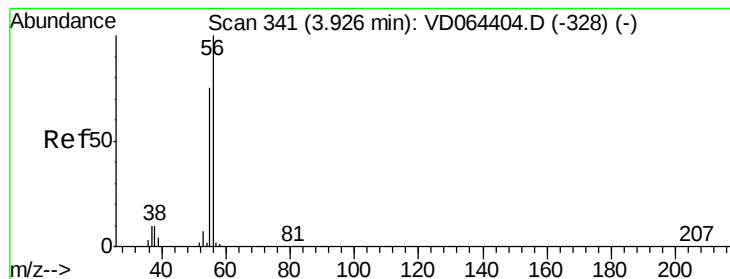


#12

1,1-Dichloroethene
Concen: 139.155 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.0	128.2	192.4
98	62.8	50.4	75.6





#13

Acrolein

Concen: 1061.160 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 248417

Ion Ratio Lower Upper

56 100

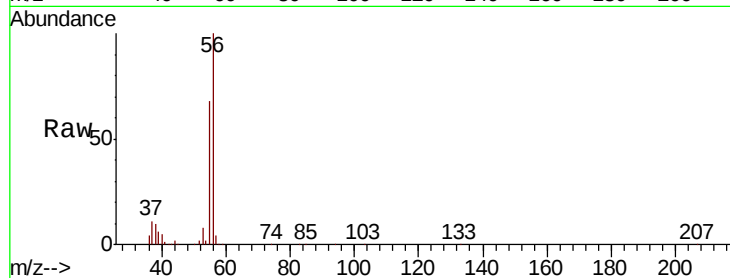
55 71.2 56.9 85.3

Manual Integrations

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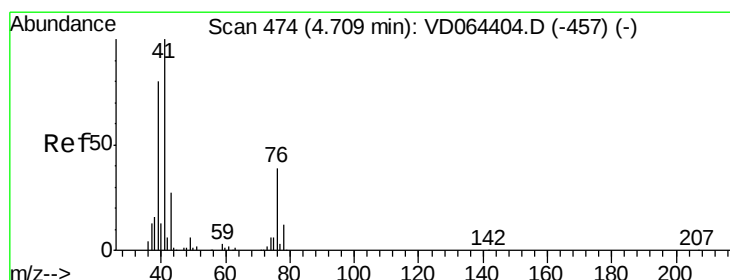
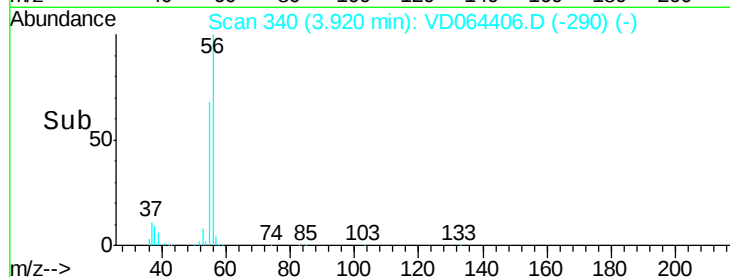
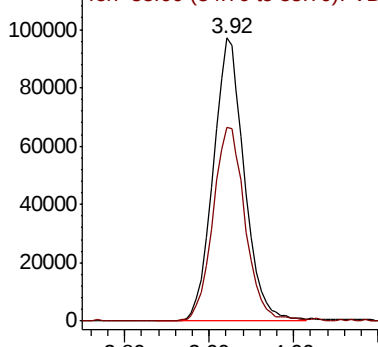
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 131.569 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

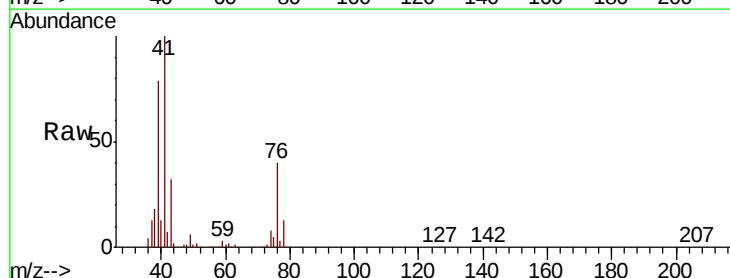
Tgt Ion: 41 Resp: 875179

Ion Ratio Lower Upper

41 100

39 76.8 62.1 93.1

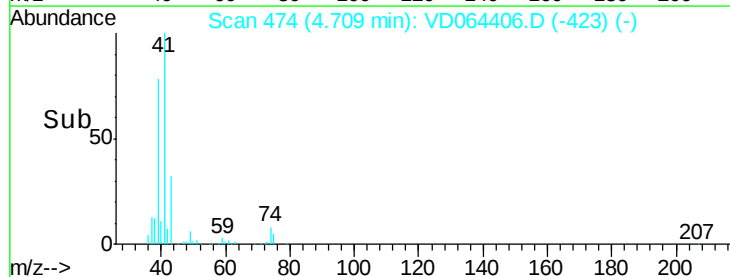
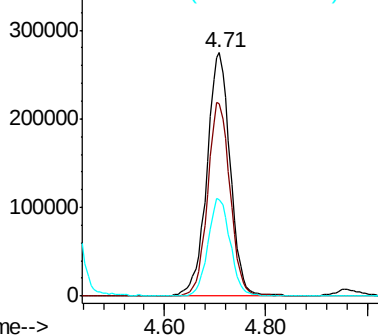
76 37.6 29.8 44.8

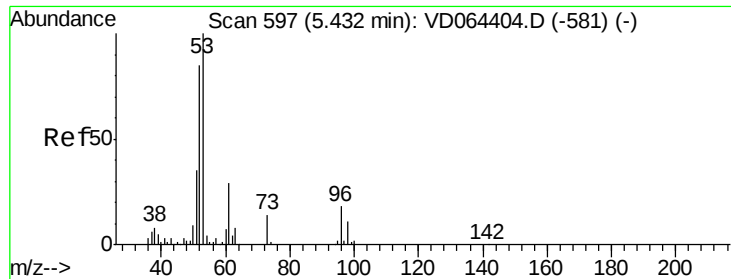


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 789.781 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

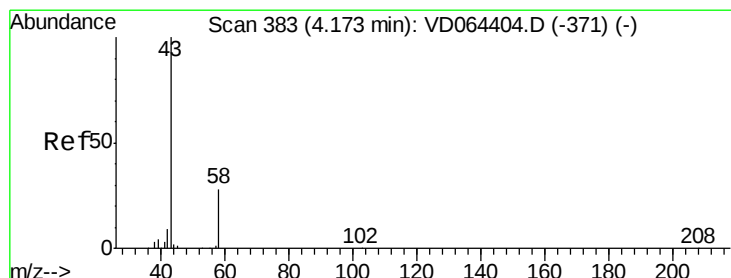
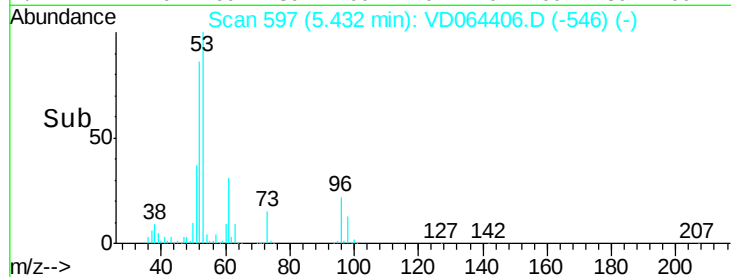
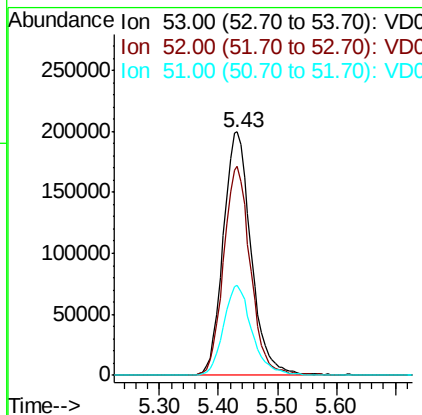
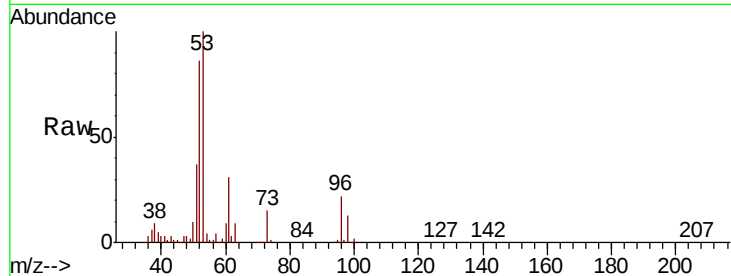
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	658363
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.9	101.9
51	37.5	30.6	45.8

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#16

Acetone

Concen: 610.936 ug/l

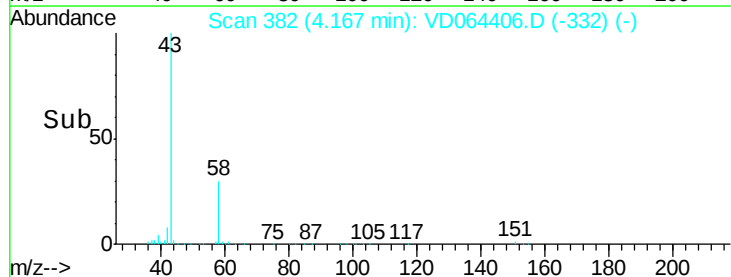
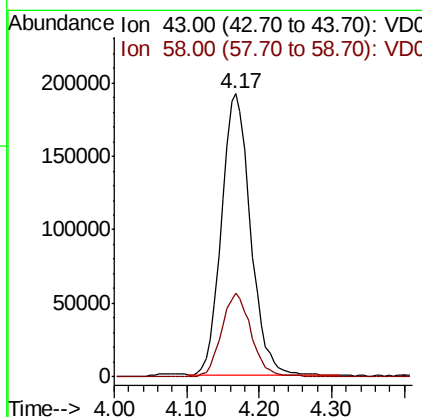
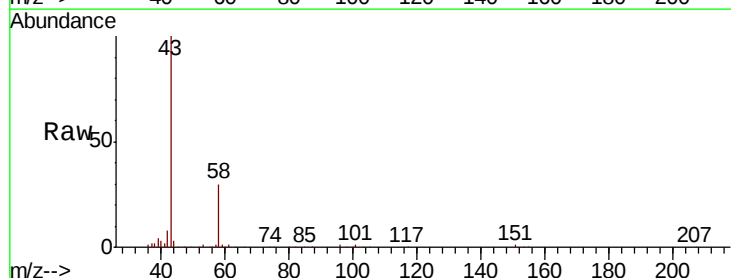
RT: 4.17 min Scan# 382

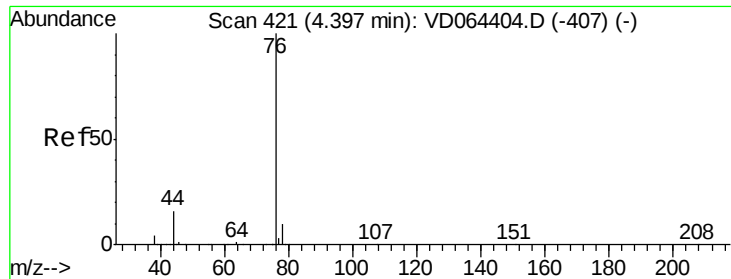
Delta R.T. -0.01 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Tgt Ion:	43	Resp:	534684
Ion	Ratio	Lower	Upper
43	100		
58	29.6	22.6	33.8





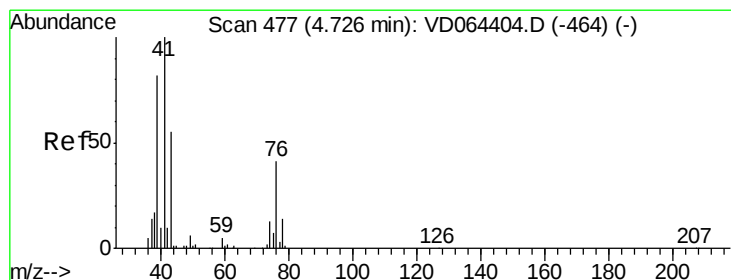
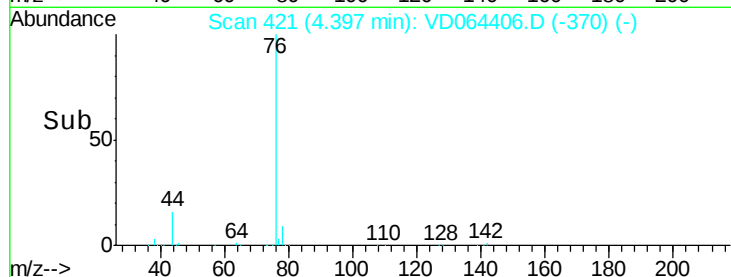
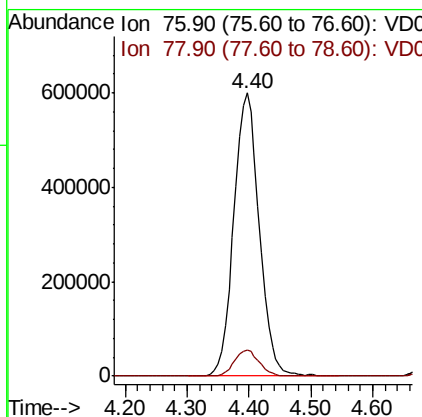
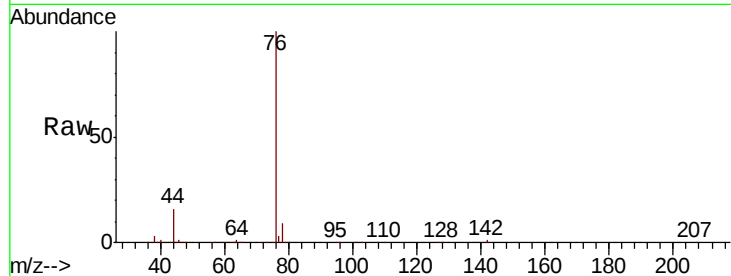
#17
Carbon Disulfide
Concen: 142.664 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1715106
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.8

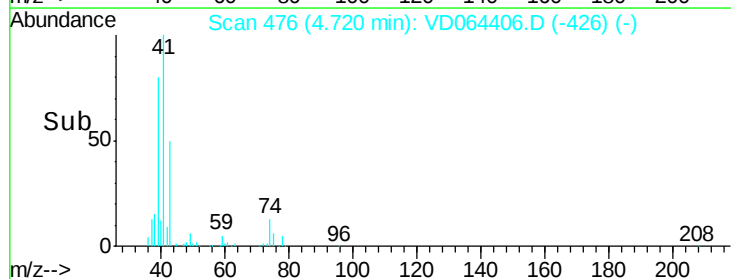
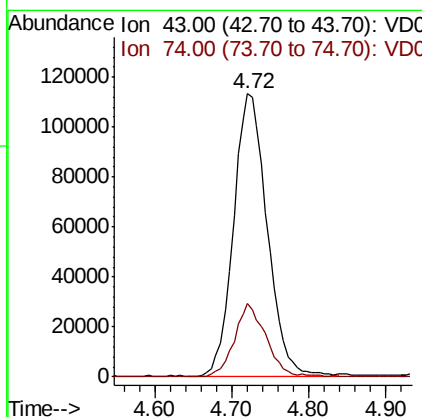
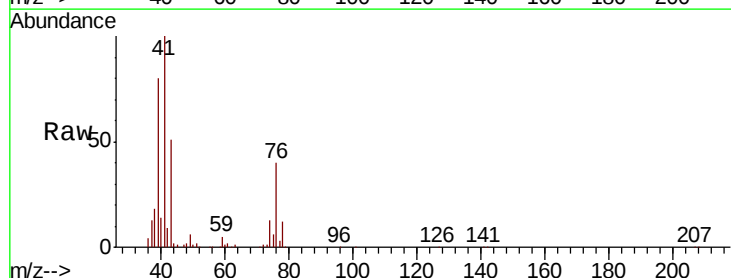
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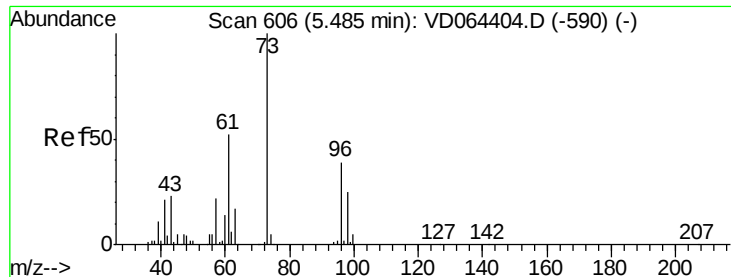
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#18
Methyl Acetate
Concen: 140.255 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Tgt Ion: 43 Resp: 345312
Ion Ratio Lower Upper
43 100
74 24.2 19.7 29.5





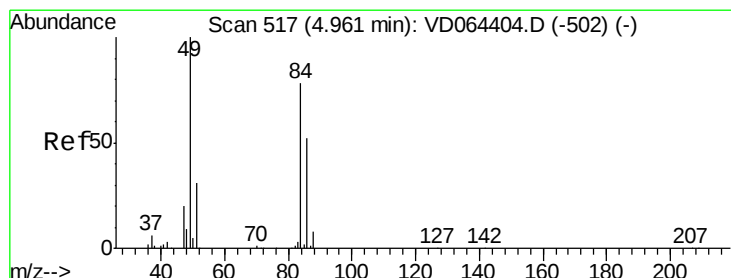
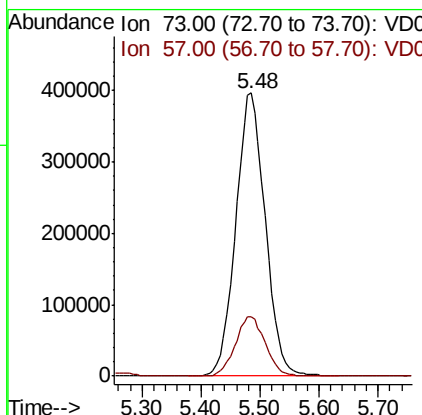
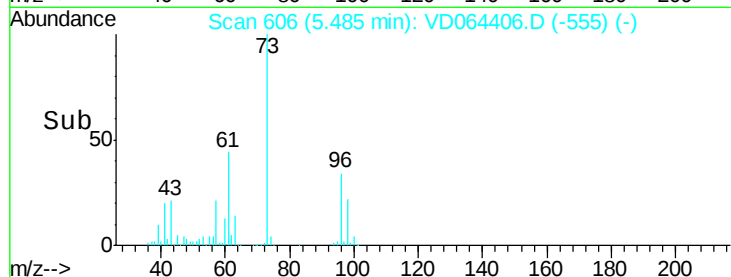
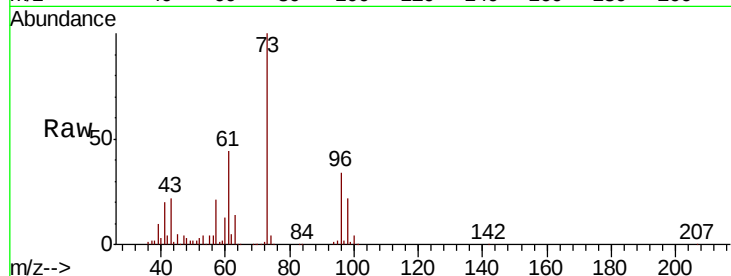
#19
Methvl tert-butvl Ether
Concen: 150.644 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1378821
Ion Ratio Lower Upper
73 100
57 20.9 17.6 26.4

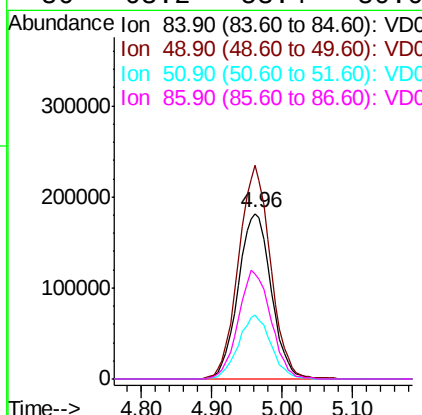
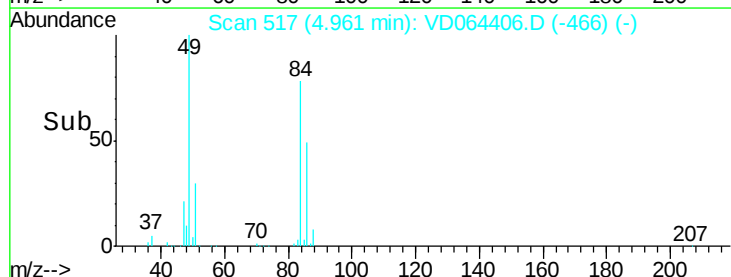
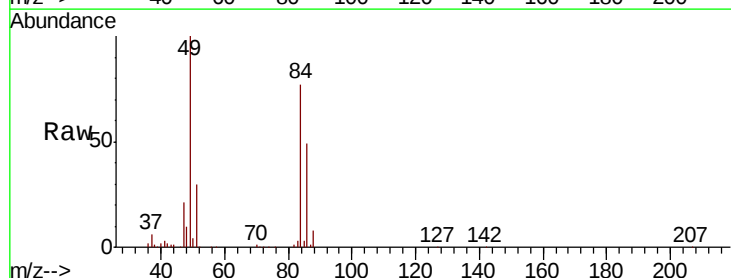
Manual Integrations
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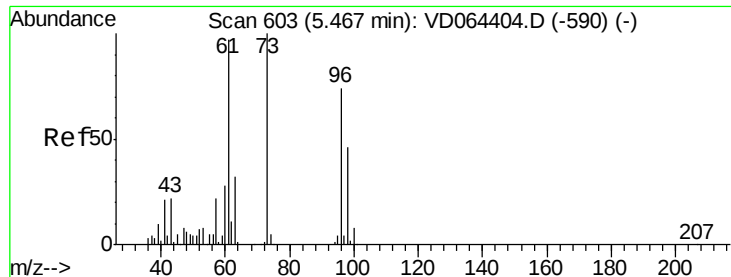
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#20
Methylene Chloride
Concen: 131.490 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Tgt Ion: 84 Resp: 593238
Ion Ratio Lower Upper
84 100
49 129.1 102.6 153.8
51 38.7 32.0 48.0
86 63.2 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 142.643 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 622678

Ion Ratio Lower Upper

96 100

61 136.5 105.8 158.6

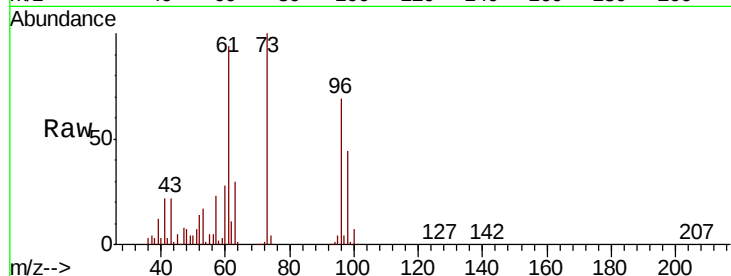
98 64.4 50.1 75.1

Manual Integrations

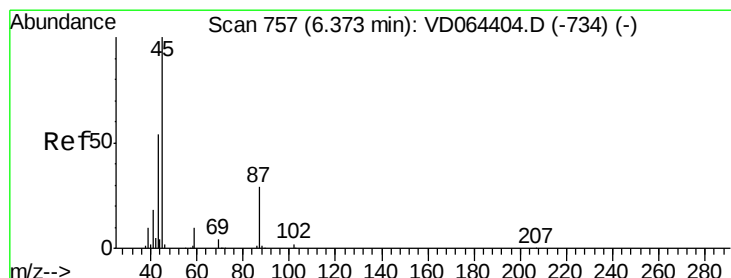
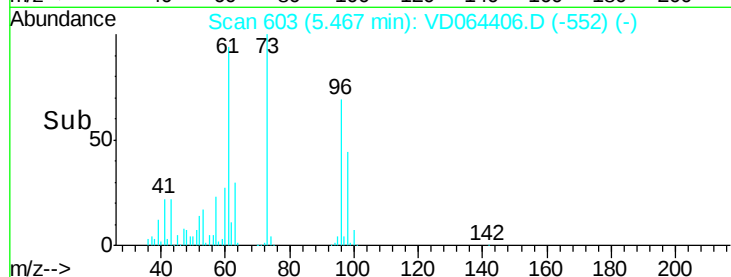
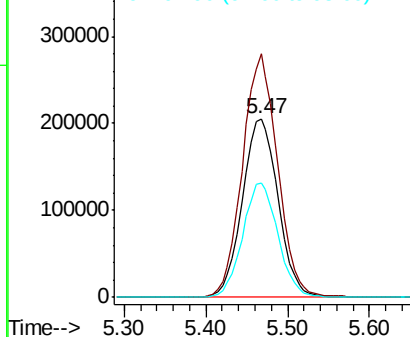
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 145.597 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Tgt Ion: 45 Resp: 1823420

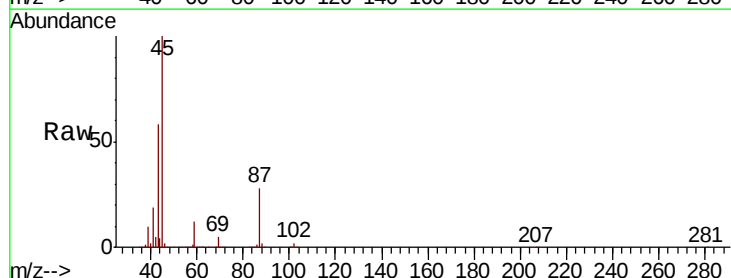
Ion Ratio Lower Upper

45 100

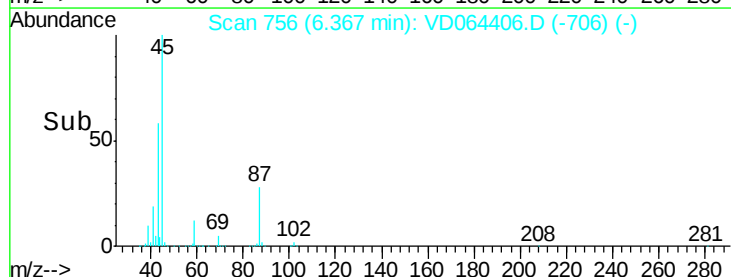
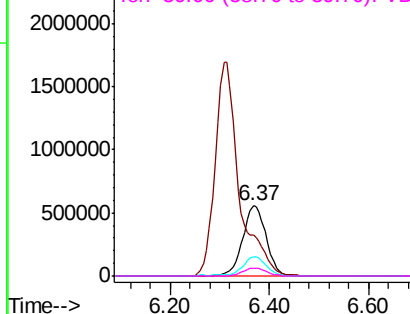
43 57.8 43.1 64.7

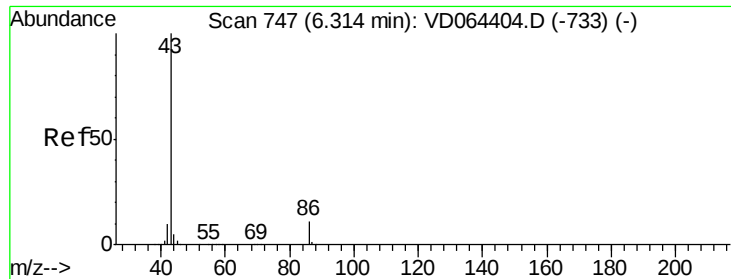
87 28.3 23.5 35.3

59 11.7 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 806.097 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 5673344

Ion Ratio Lower Upper

43 100

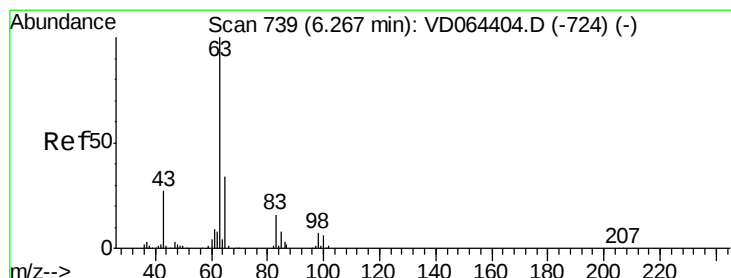
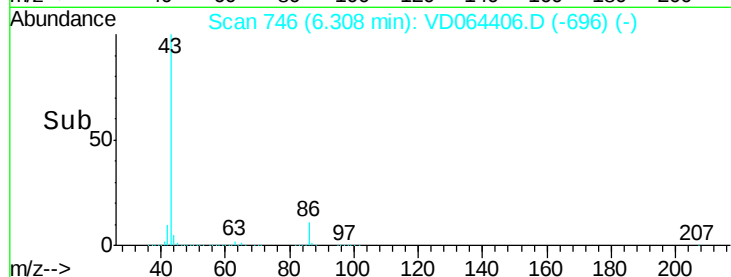
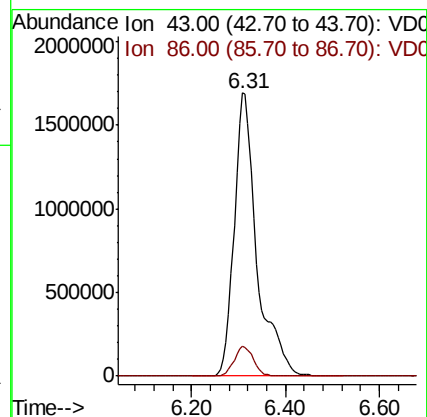
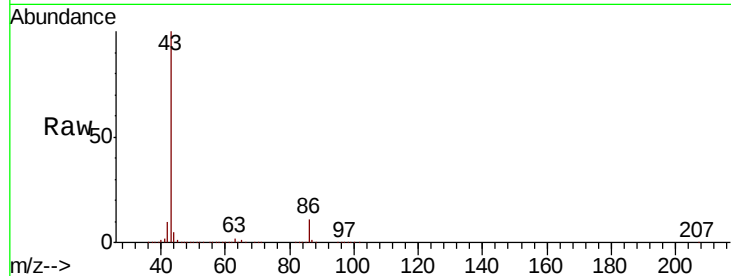
86 10.7 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 143.300 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

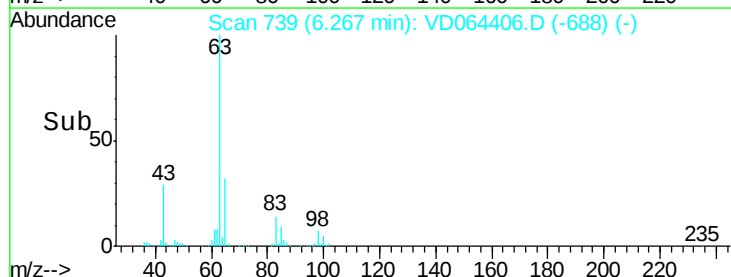
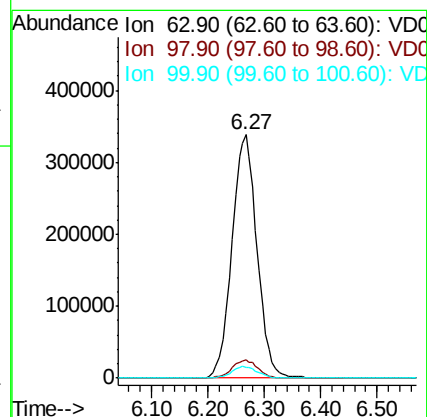
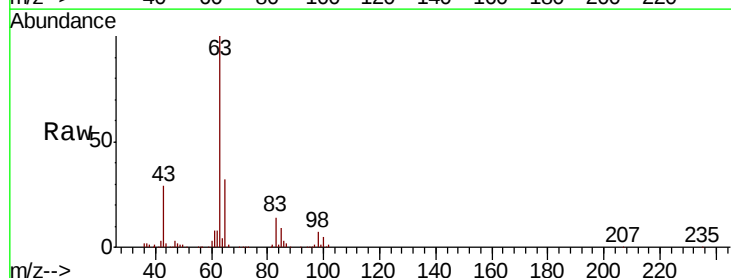
Tgt Ion: 63 Resp: 1046721

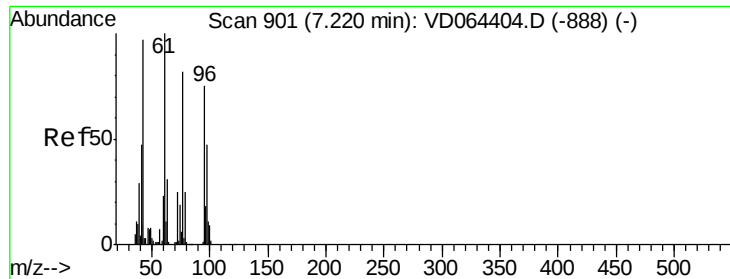
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

100 4.5 2.9 8.6





#25

2-Butanone

Concen: 730.490 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 838983

Ion Ratio Lower Upper

43 100

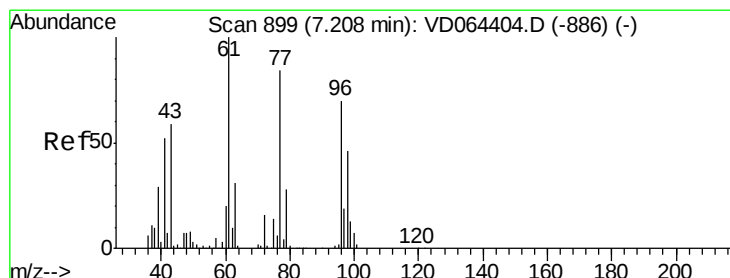
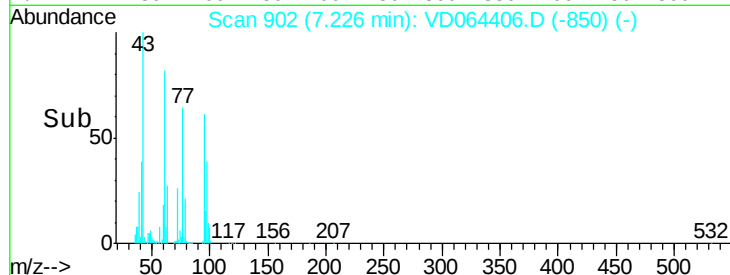
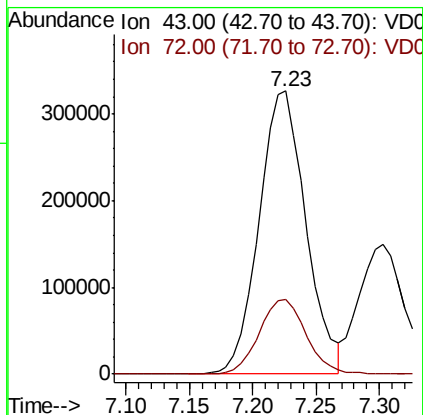
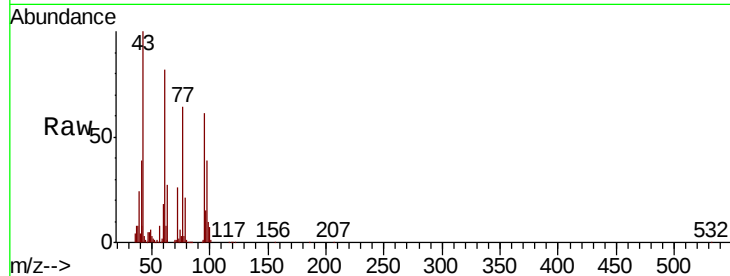
72 26.4 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 127.724 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064406.D

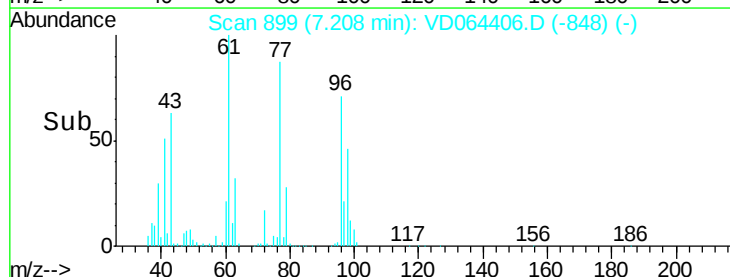
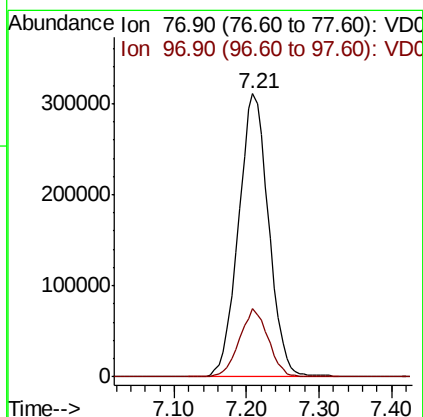
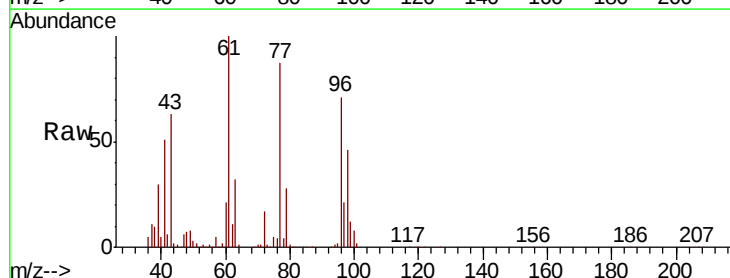
Acq: 27 Nov 2019 20:14

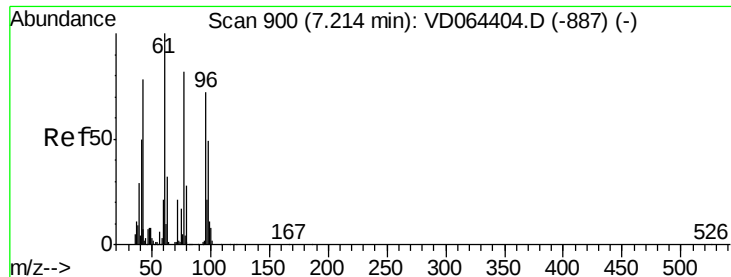
Tgt Ion: 77 Resp: 897305

Ion Ratio Lower Upper

77 100

97 23.0 11.6 34.7





#27

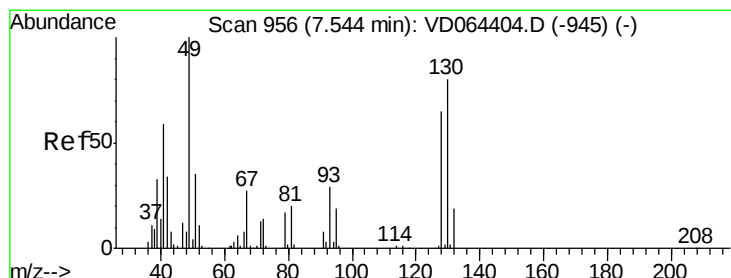
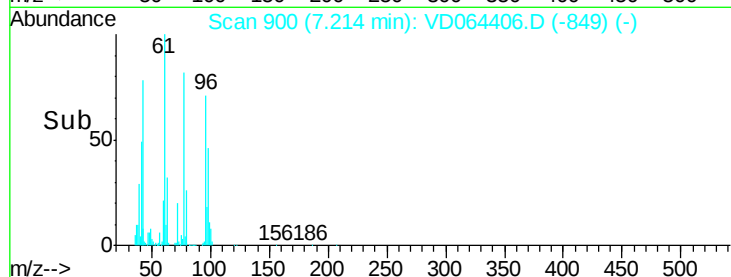
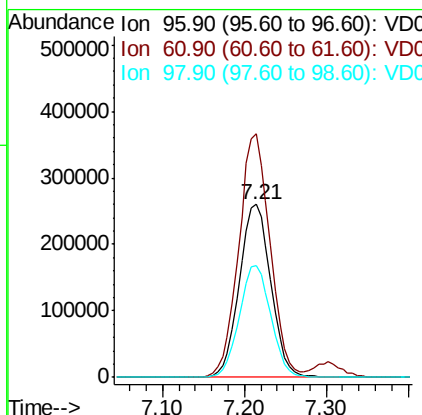
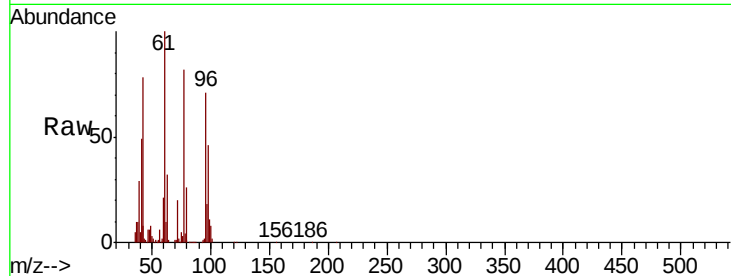
cis-1,2-Dichloroethene
Concen: 148.245 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	279.6
98	64.9	0.0	129.2

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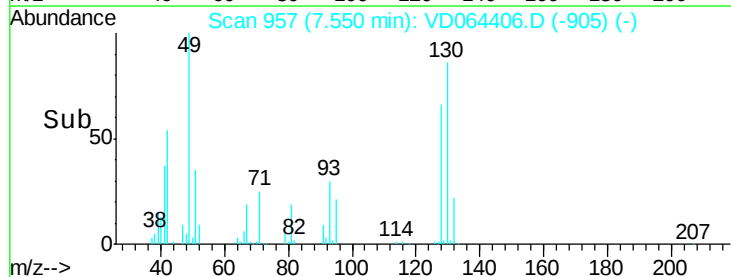
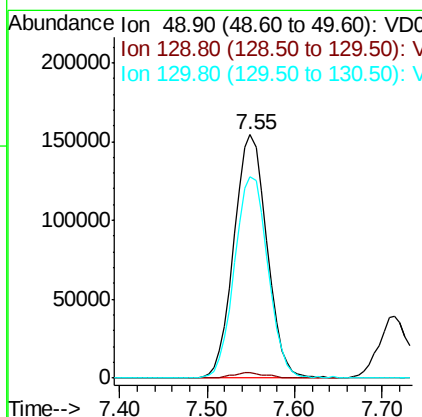
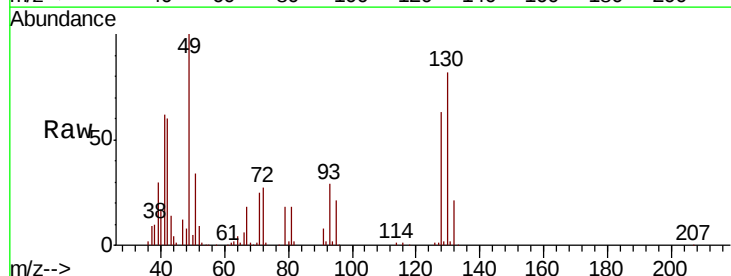
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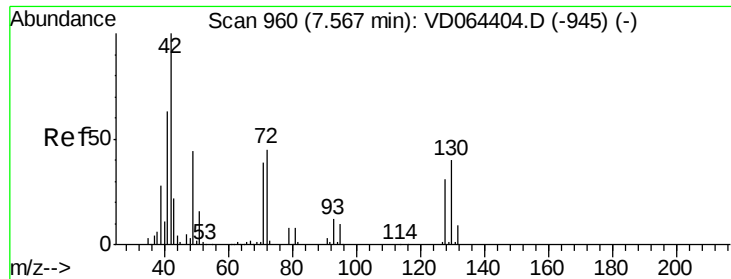


#28

Bromochloromethane
Concen: 155.738 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	83.5	67.4	101.0





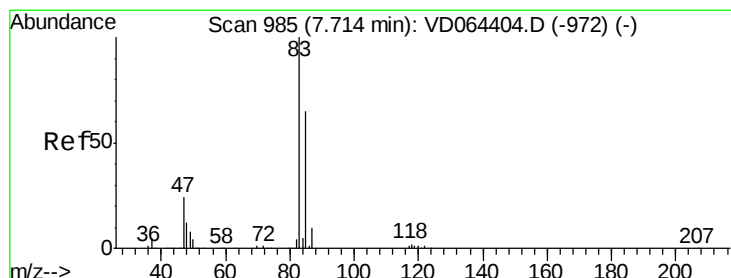
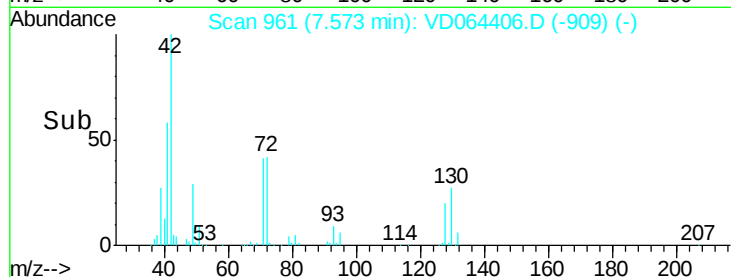
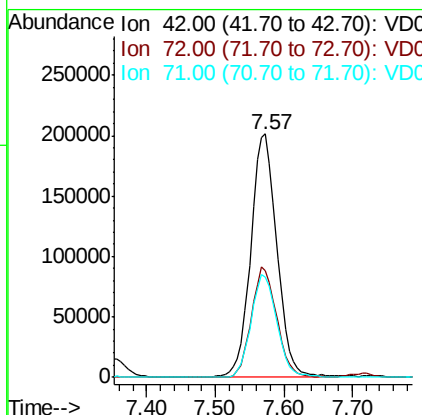
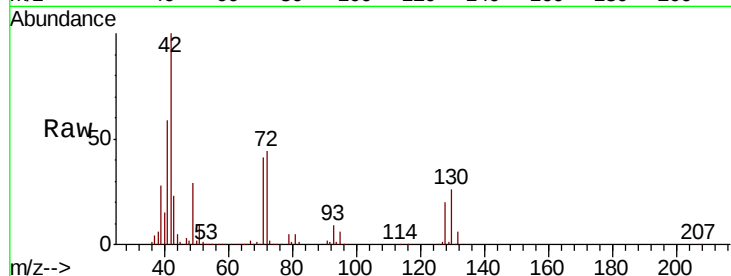
#29
Tetrahydrofuran
Concen: 778.745 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.8	53.8
71	41.4	32.7	49.1

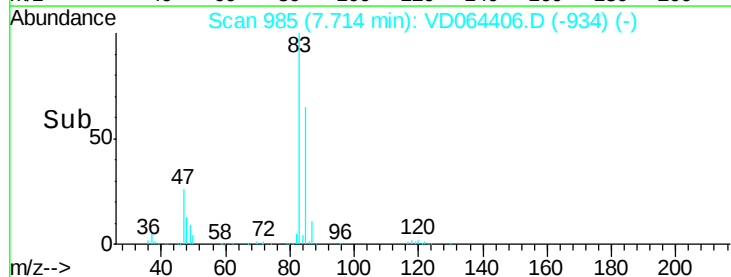
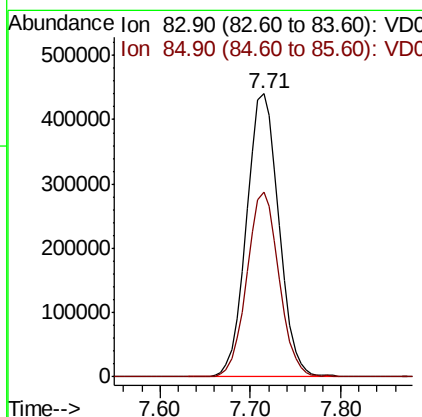
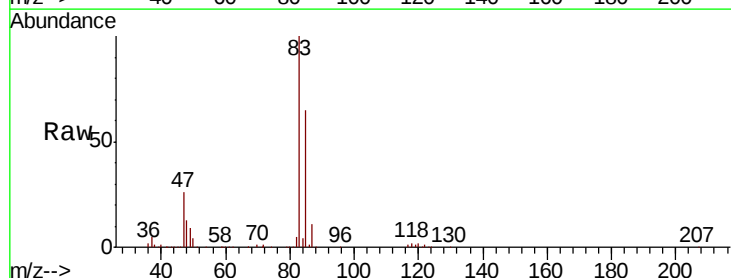
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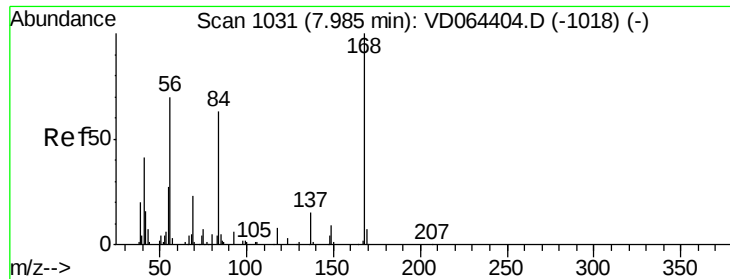
apatel
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#30
Chloroform
Concen: 145.684 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.6





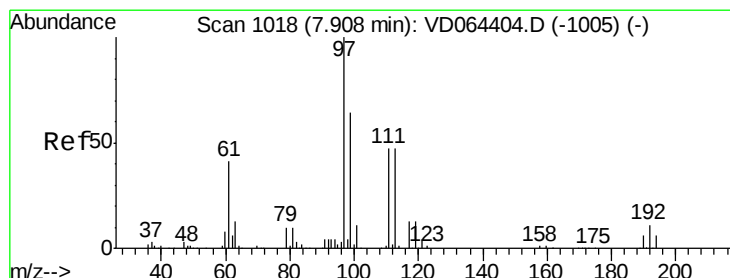
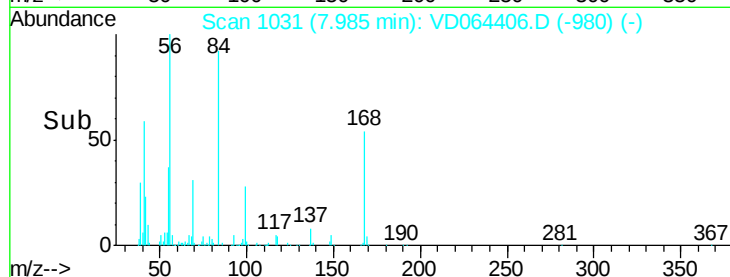
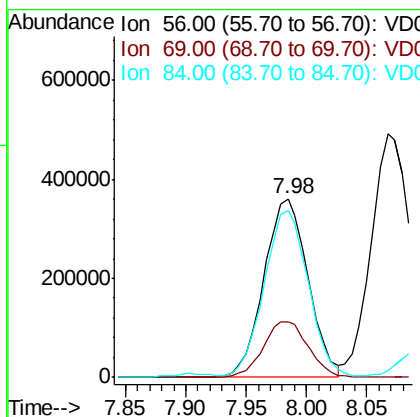
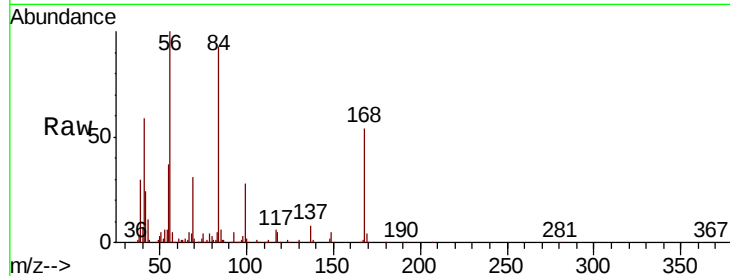
#31
Cyclohexane
Concen: 124.663 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	26.2	39.4
84	91.1	70.3	105.5

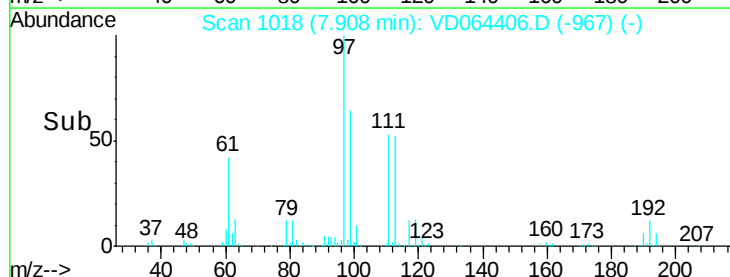
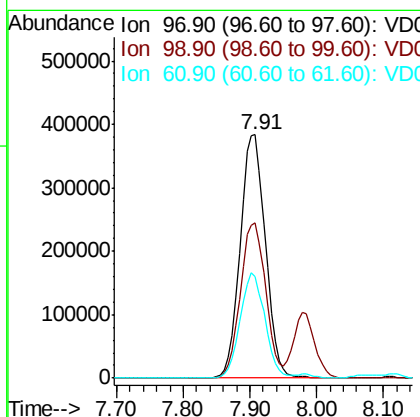
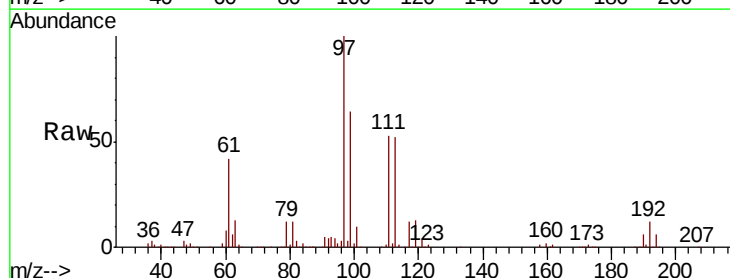
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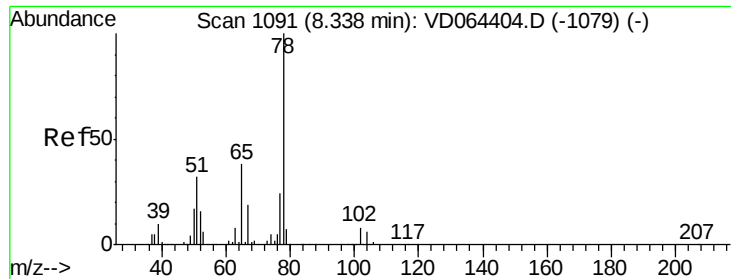
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#32
1,1,1-Trichloroethane
Concen: 139.714 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	42.4	35.0	52.4





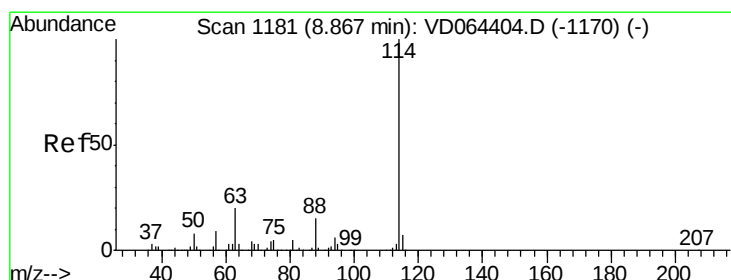
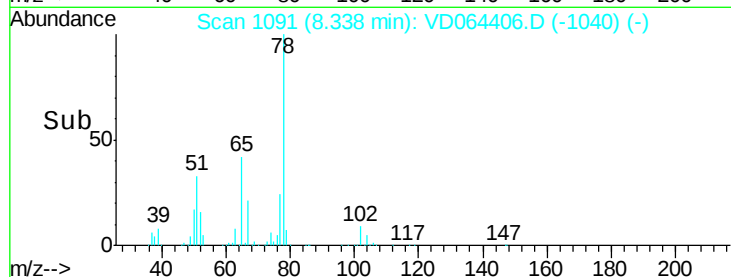
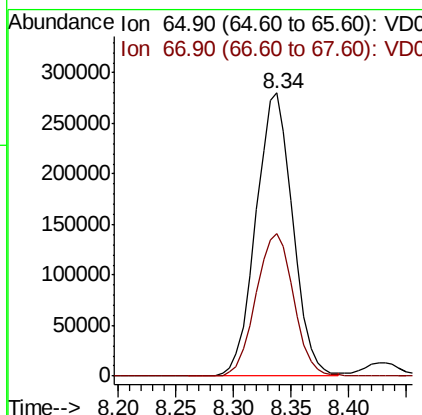
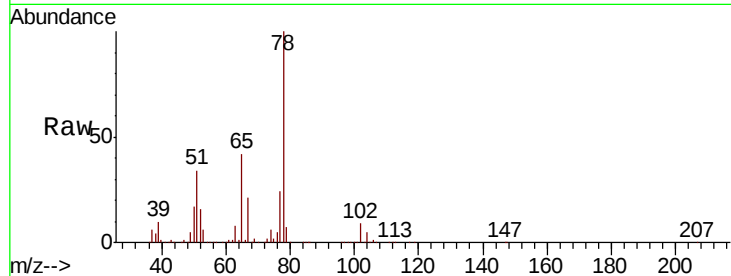
#33
 1,2-Dichloroethane-d4
 Concen: 166.592 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064406.D
 Acq: 27 Nov 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.0

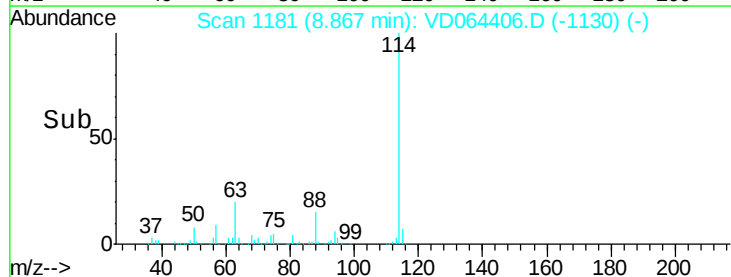
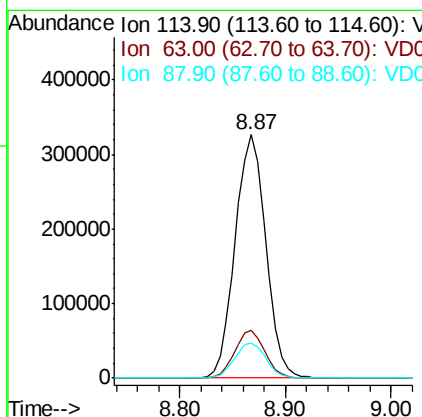
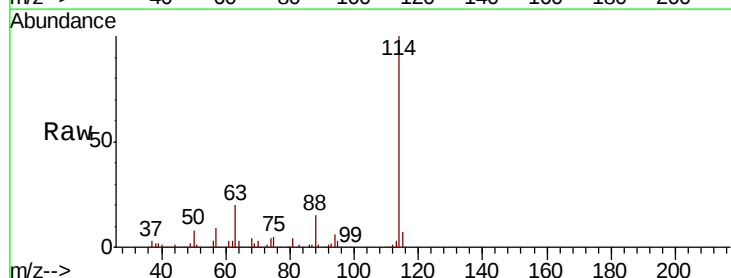
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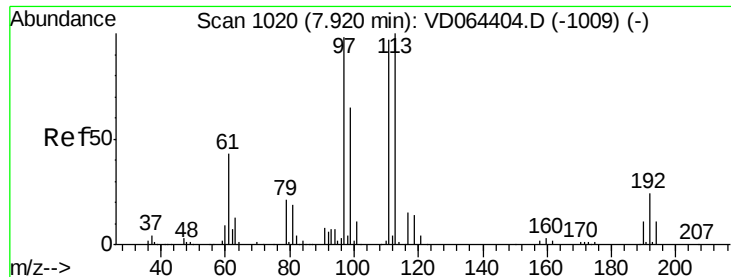
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064406.D
 Acq: 27 Nov 2019 20:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.0
88	14.5	0.0	29.2





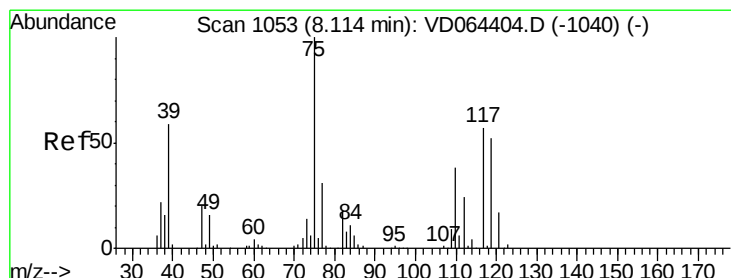
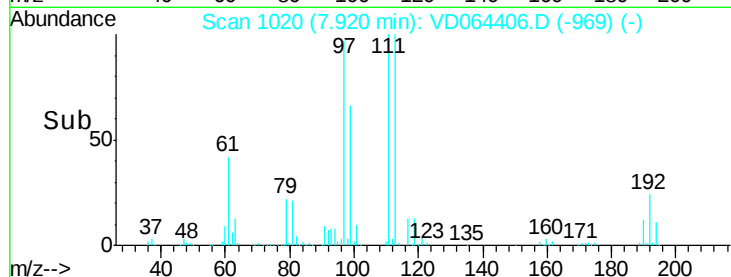
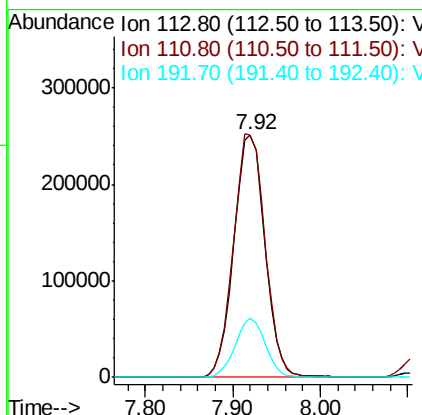
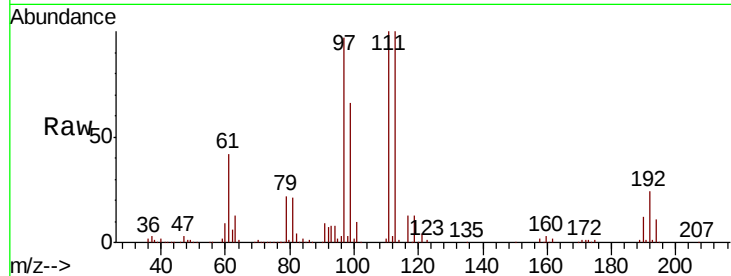
#35
 Dibromofluoromethane
 Concen: 159.833 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064406.D
 Acq: 27 Nov 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	79.4	119.2
192	23.6	18.6	28.0

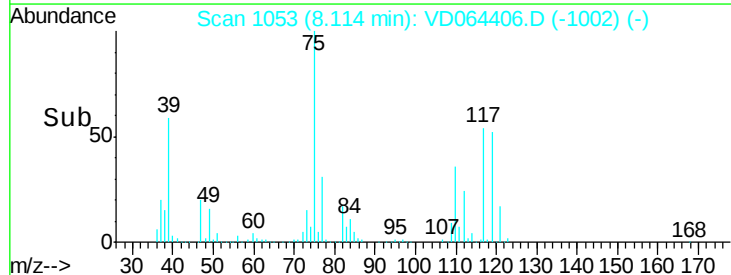
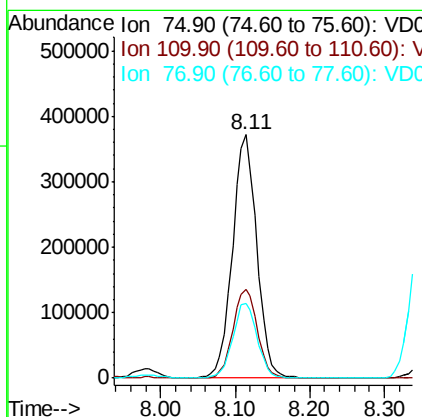
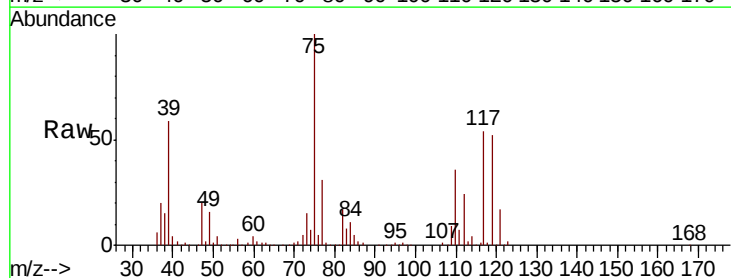
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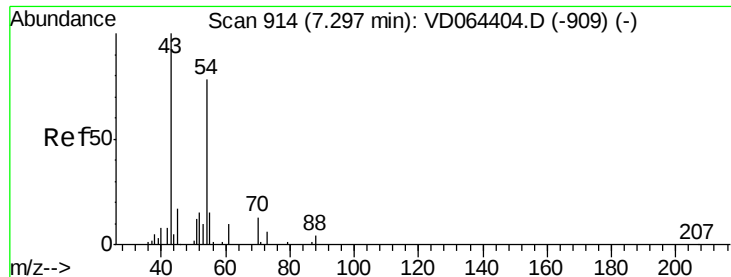
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#36
 1,1-Dichloropropene
 Concen: 139.181 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064406.D
 Acq: 27 Nov 2019 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.6	55.8
77	31.0	25.0	37.4





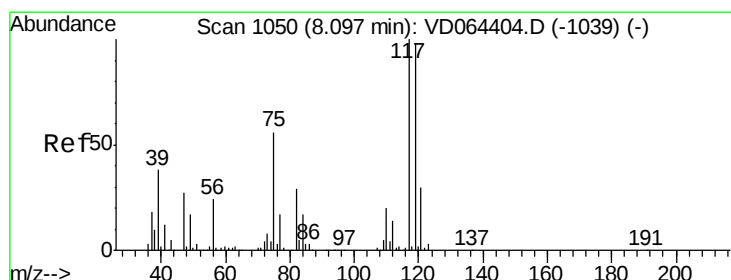
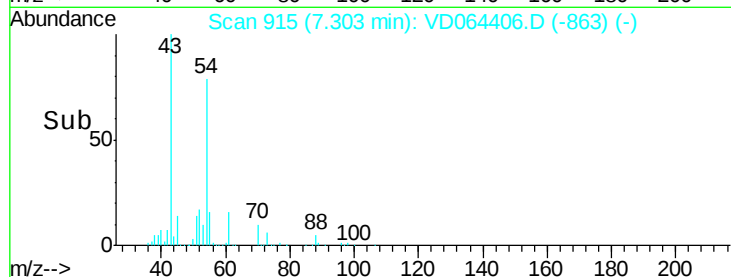
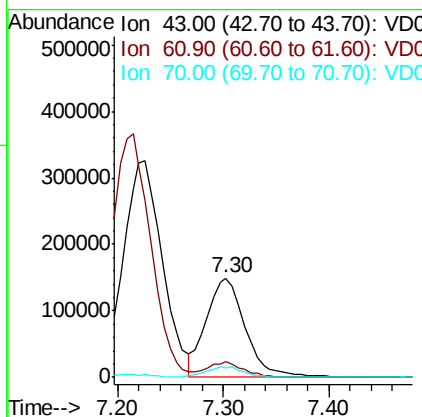
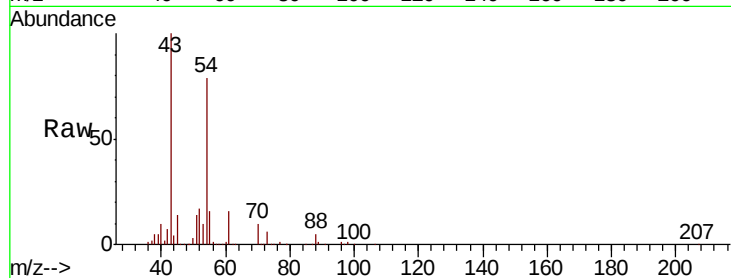
#37
Ethyl Acetate
Concen: 147.059 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.9	16.3
70	10.4	8.3	12.5

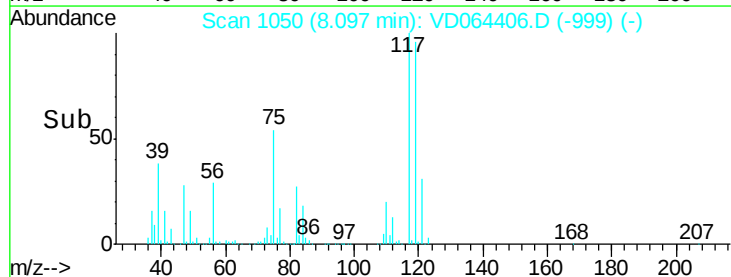
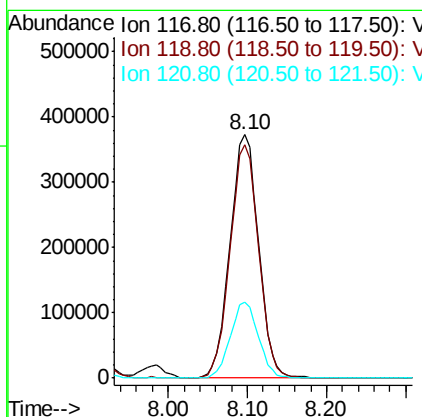
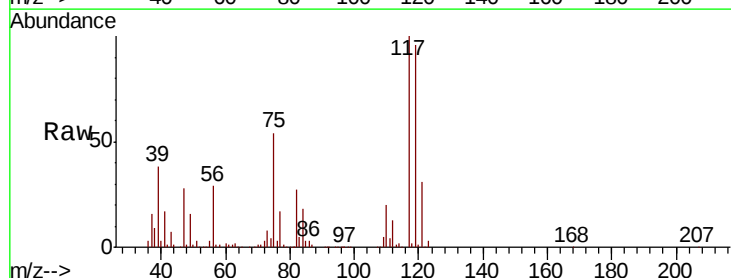
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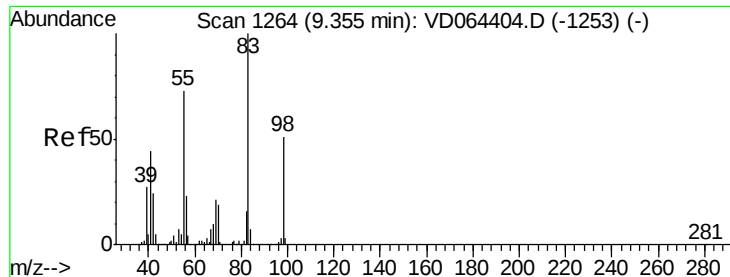
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#38
Carbon Tetrachloride
Concen: 142.659 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	78.8	118.2
121	31.5	24.2	36.2





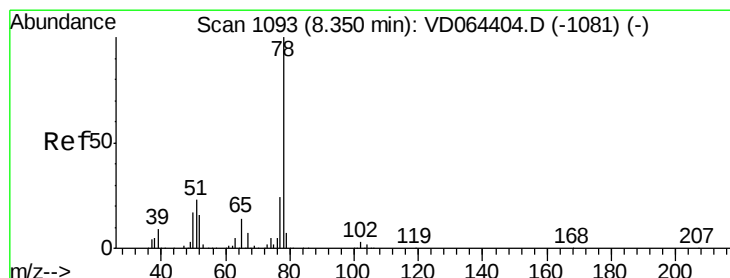
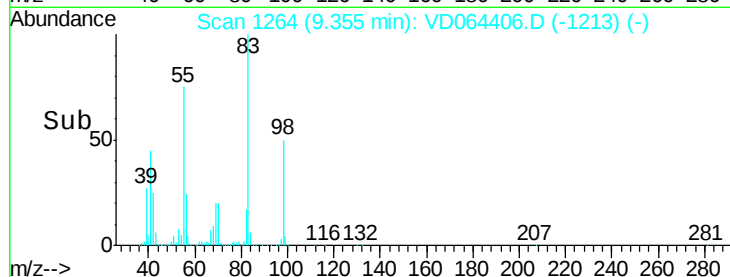
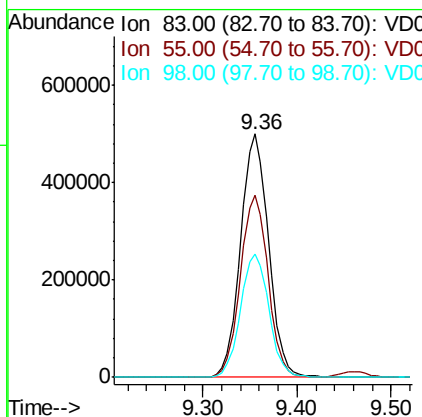
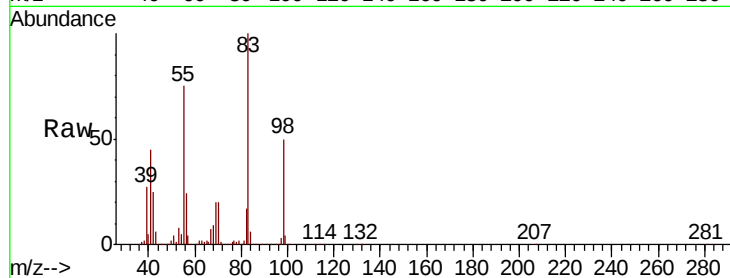
#39
Methvlcvclohexane
Concen: 134.175 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1030589
Ion Ratio Lower Upper
83 100
55 75.0 58.6 87.8
98 50.4 40.9 61.3

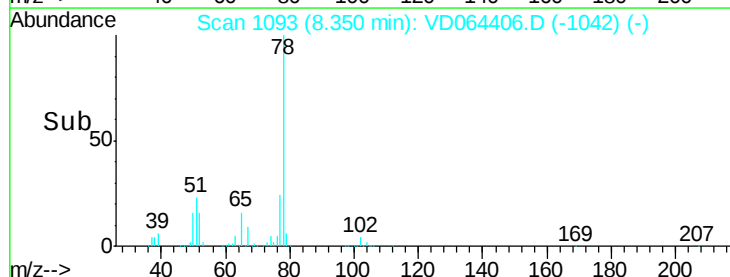
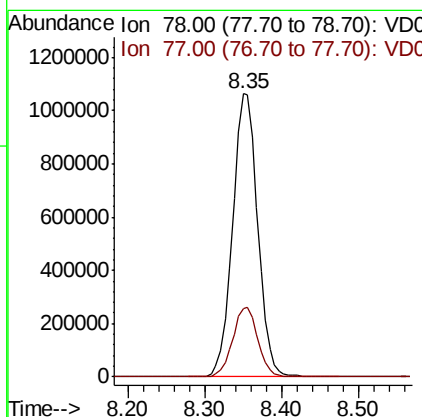
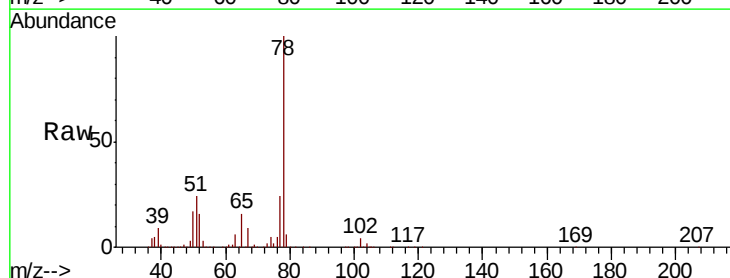
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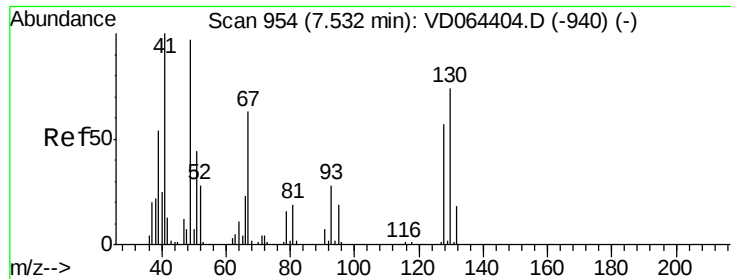
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#40
Benzene
Concen: 145.802 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Tgt Ion: 78 Resp: 2423149
Ion Ratio Lower Upper
78 100
77 24.4 19.6 29.4





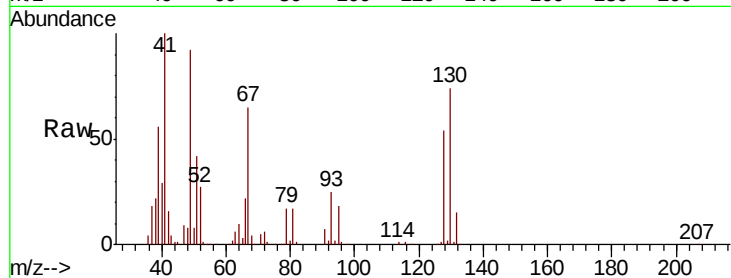
#41
Methacrylonitrile
Concen: 136.296 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.1	44.6	67.0
67	72.1	50.9	76.3
52	32.0	22.5	33.7

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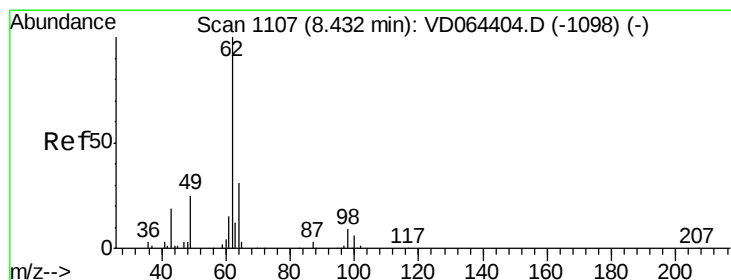
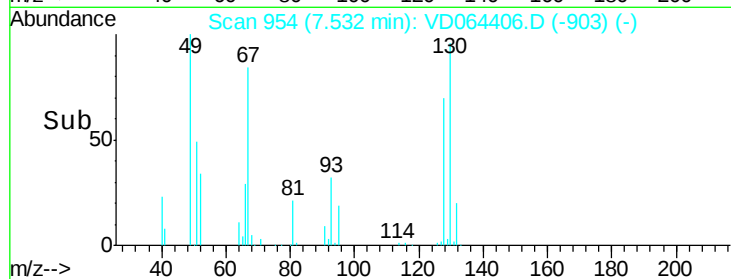
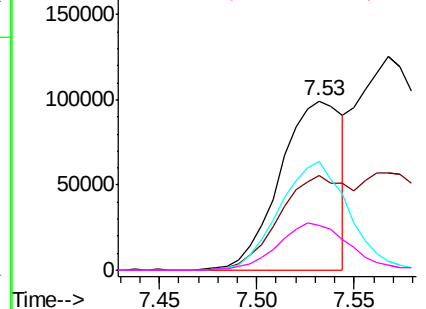
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

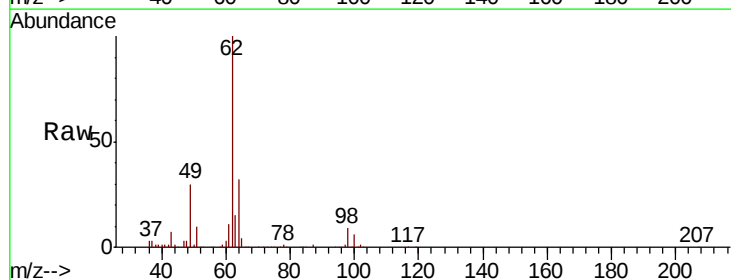
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 145.953 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

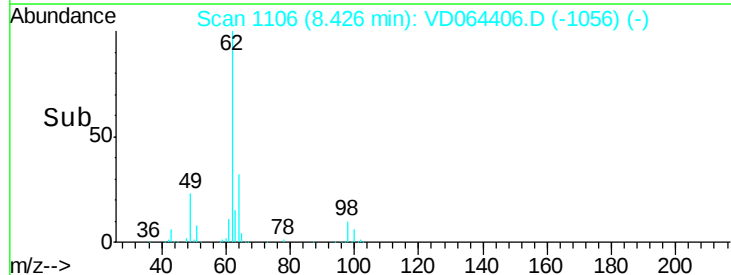
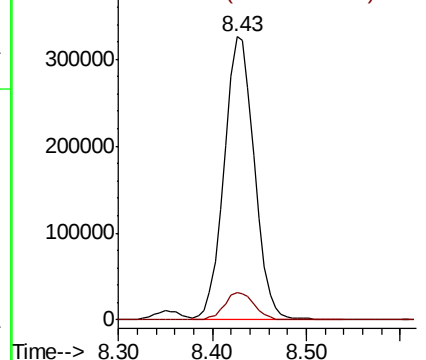
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.6

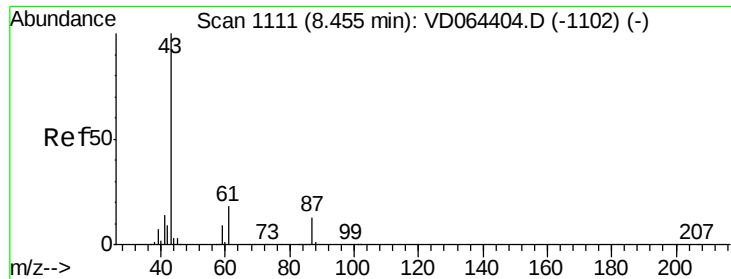


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 146.561 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

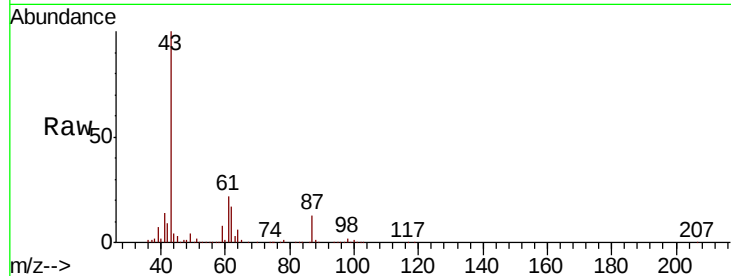
ClientSampleId :

VSTDIC150

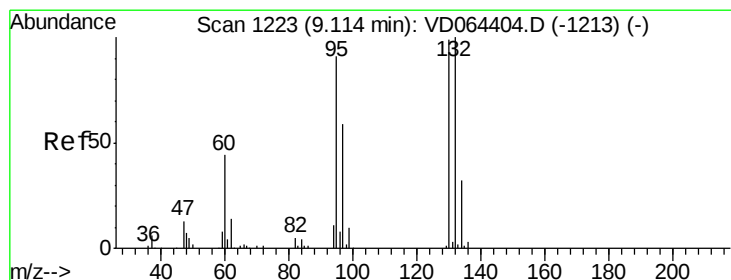
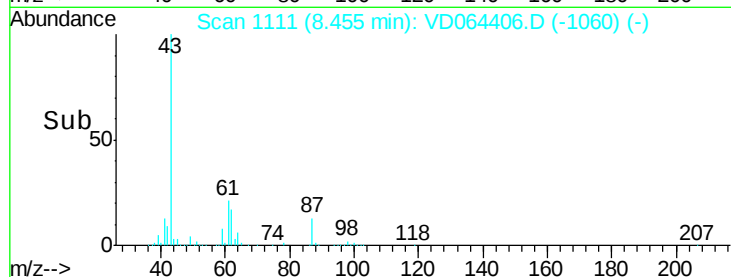
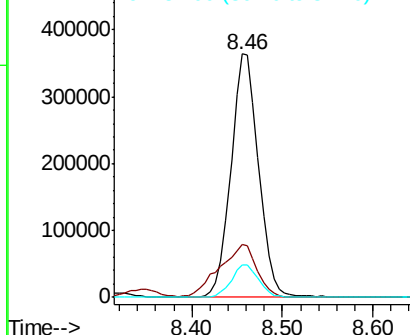
Tot Ion:	43	Resp:	770273
Ion	Ratio	Lower	Upper
43	100		
61	29.3	24.0	36.0
87	13.3	10.6	15.8

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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 141.161 ug/l

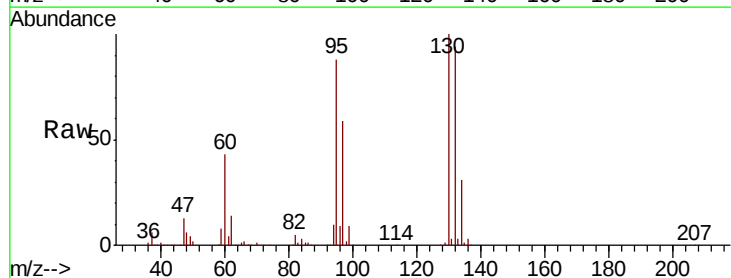
RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

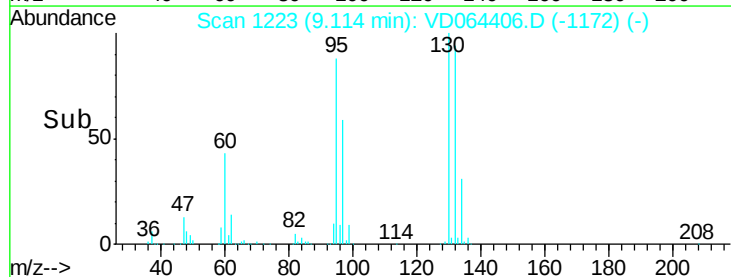
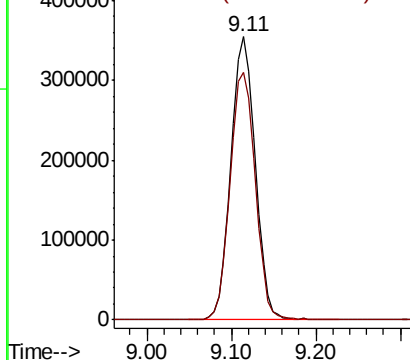
Lab File: VD064406.D

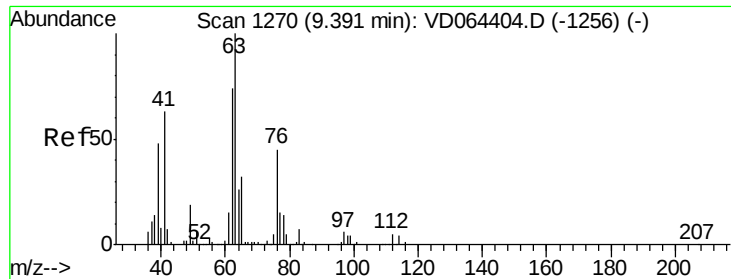
Acq: 27 Nov 2019 20:14

Tgt Ion:	130	Resp:	702044
Ion	Ratio	Lower	Upper
130	100		
95	87.7	0.0	184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 144.230 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 584658

Ion Ratio Lower Upper

63 100

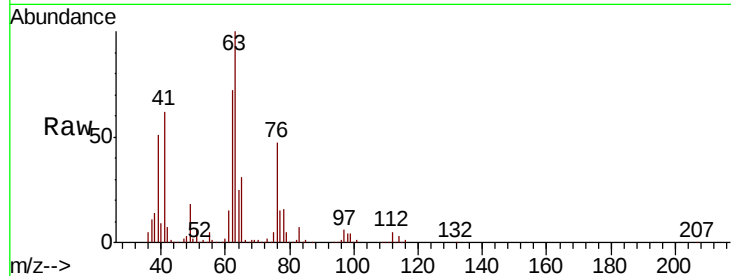
65 31.2 25.4 38.0

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

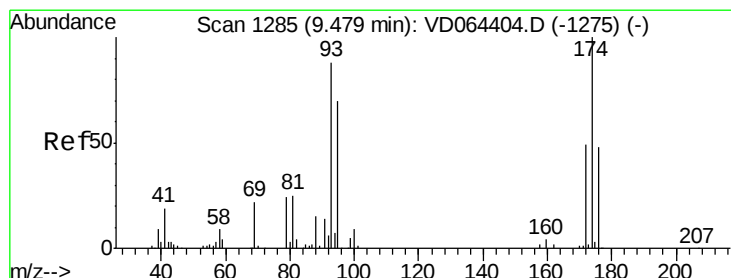
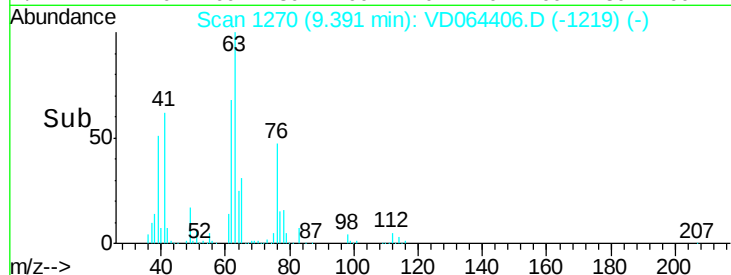
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 156.846 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

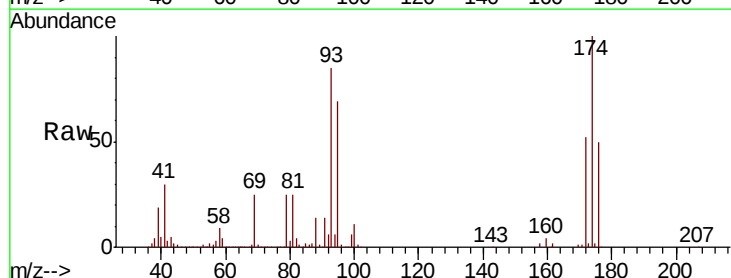
Tgt Ion: 93 Resp: 342895

Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

174 116.3 92.3 138.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

250000

200000

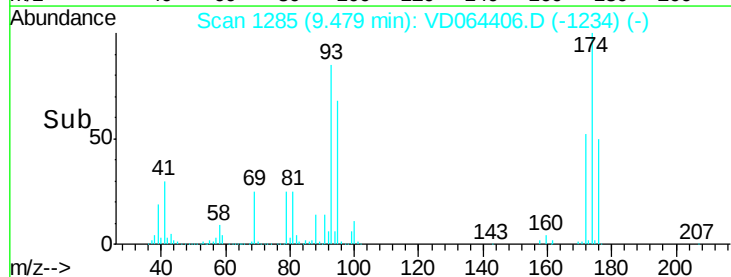
150000

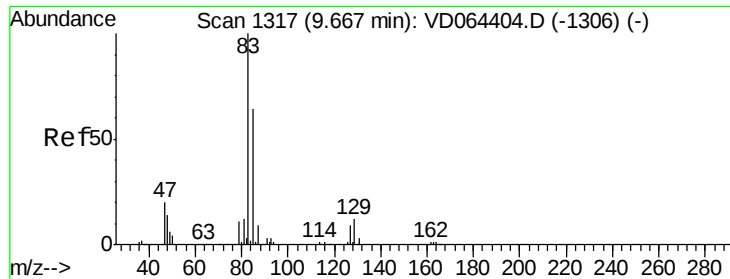
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 148.379 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

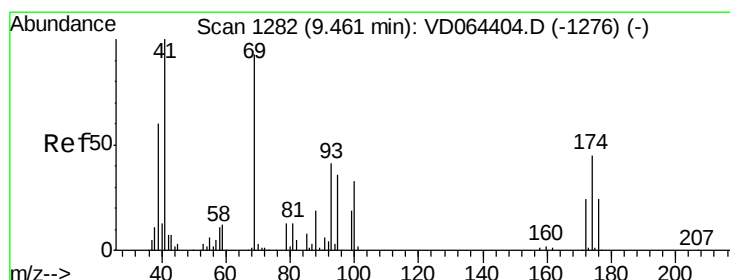
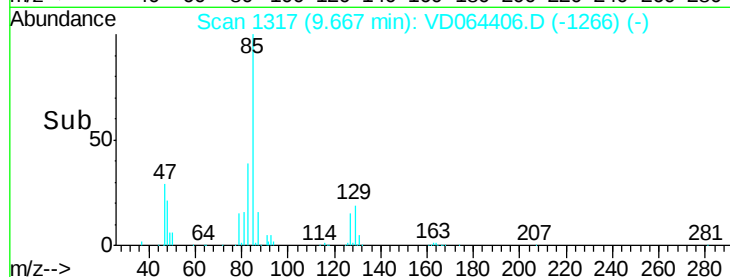
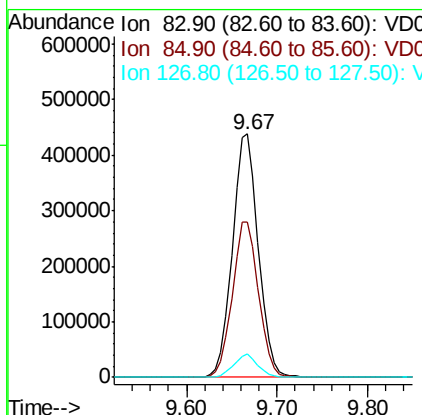
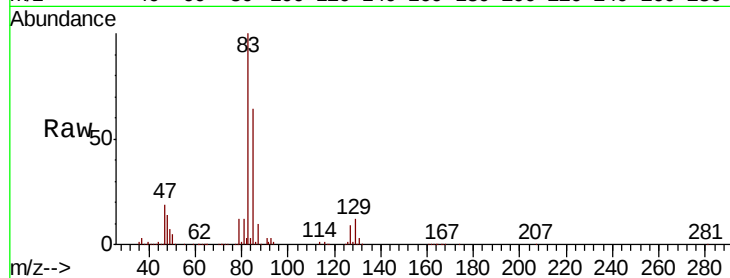
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	868392
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.1	76.7
127	9.4	7.4	11.0

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#48

Methyl methacrylate

Concen: 139.008 ug/l

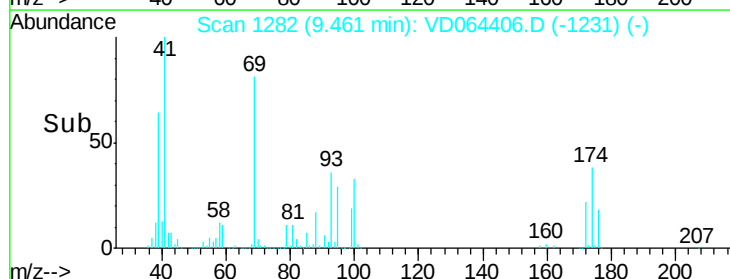
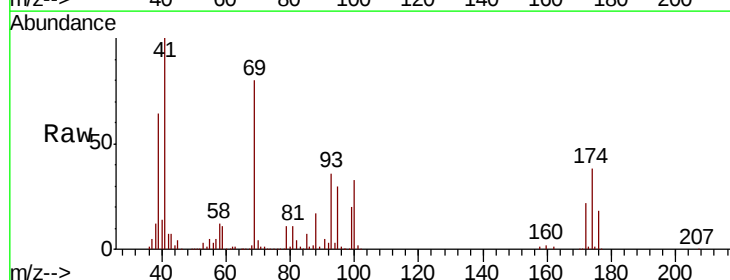
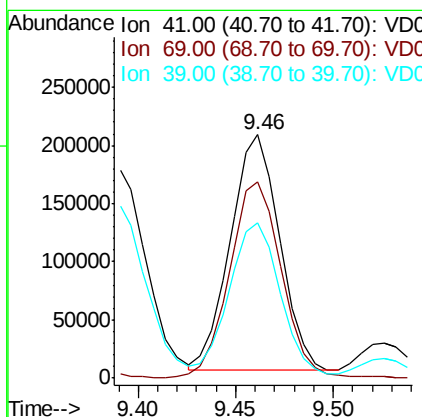
RT: 9.46 min Scan# 1282

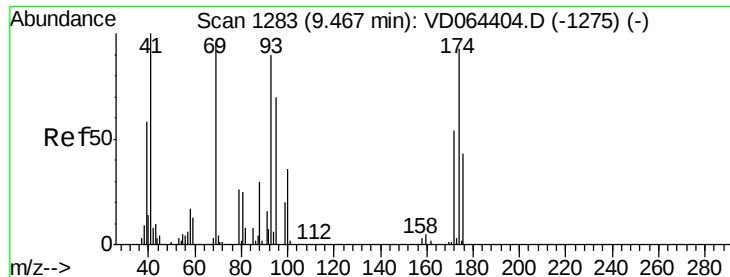
Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Tgt Ion:	41	Resp:	354443
Ion	Ratio	Lower	Upper
41	100		
69	87.8	72.0	108.0
39	65.2	55.2	82.8





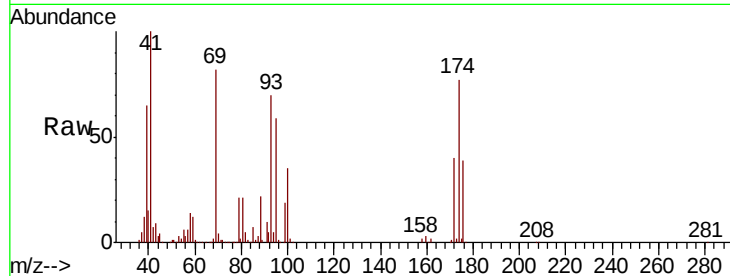
#49
1,4-Dioxane
Concen: 3168.648 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tot Ion	88	Resp	83311
Ion Ratio	Lower	Upper	
88	100		
43	37.6	26.7	40.1
58	67.3	52.3	78.5

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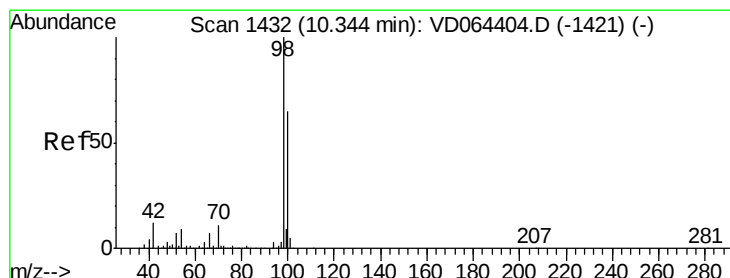
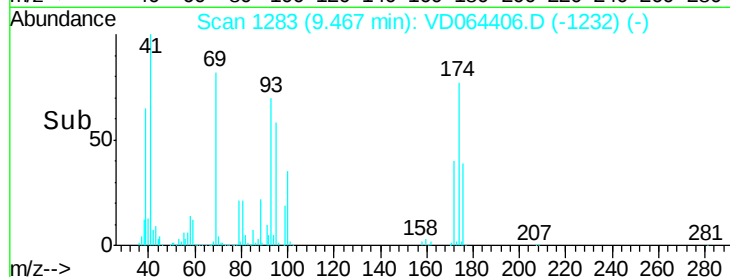
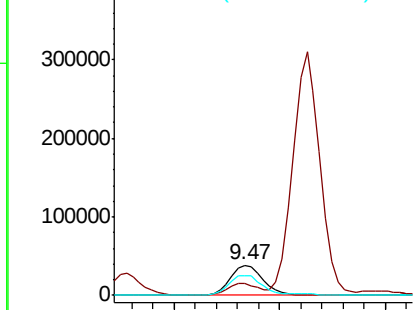


Abundance

Ion 88.00 (87.70 to 88.70): VDC

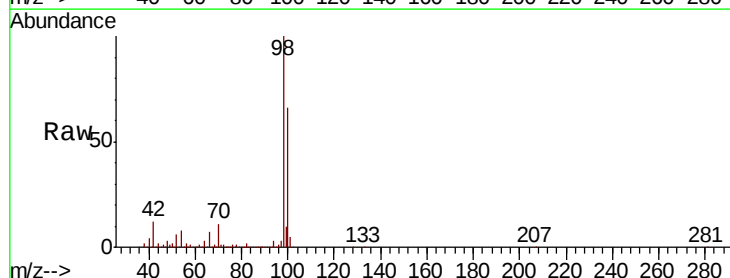
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 163.654 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

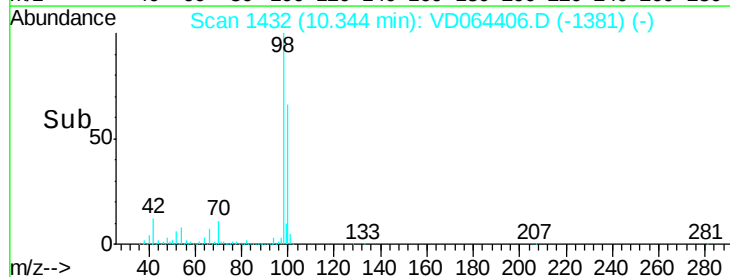
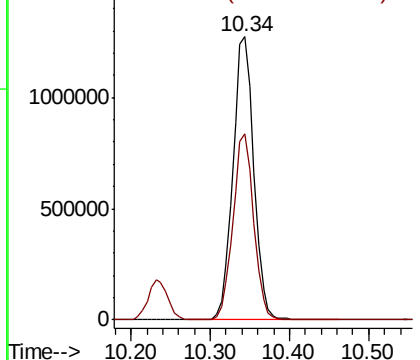
Tgt Ion	98	Resp	2321338
Ion Ratio	Lower	Upper	
98	100		
100	65.0	52.6	79.0

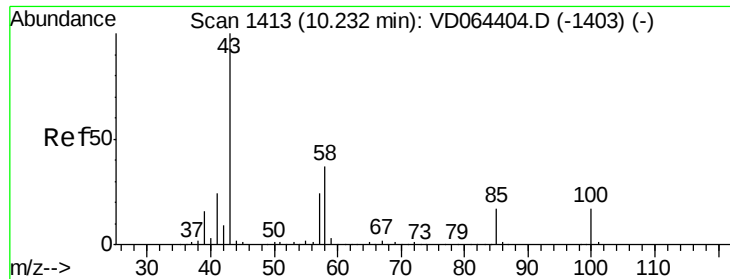


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 771.621 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1954837

Ion Ratio Lower Upper

43 100

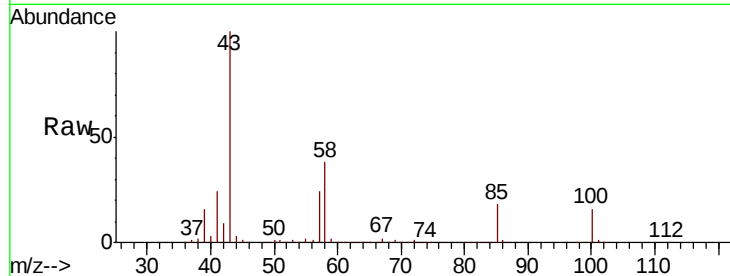
58 38.1 30.6 46.0

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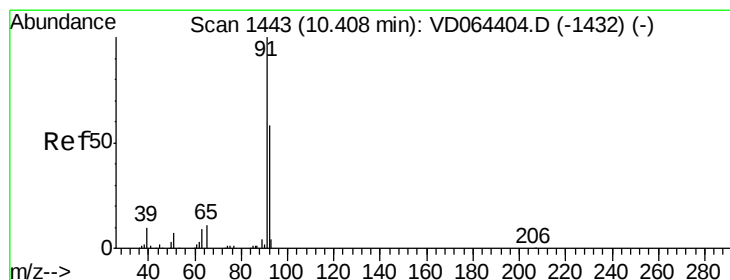
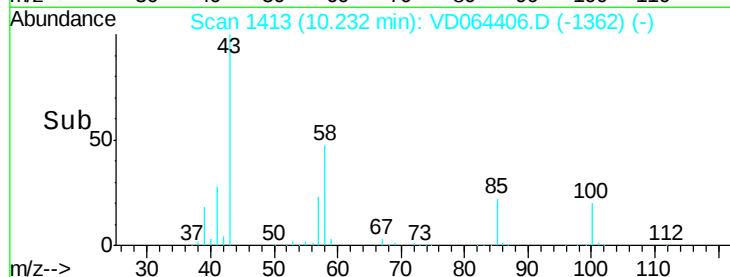
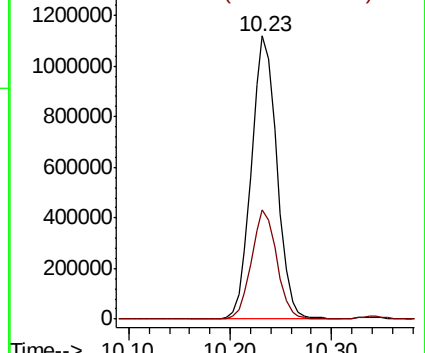
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 148.822 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064406.D

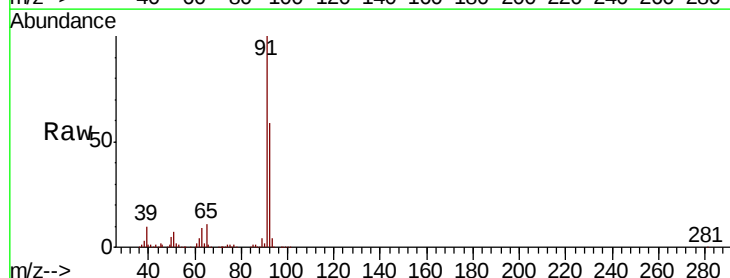
Acq: 27 Nov 2019 20:14

Tgt Ion: 92 Resp: 1622679

Ion Ratio Lower Upper

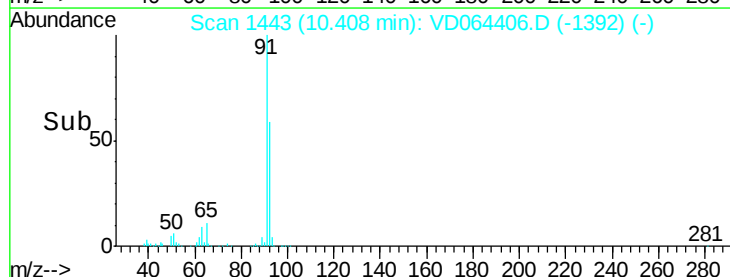
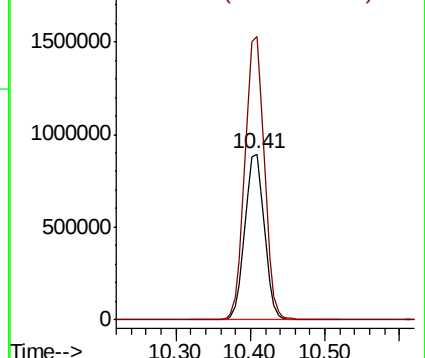
92 100

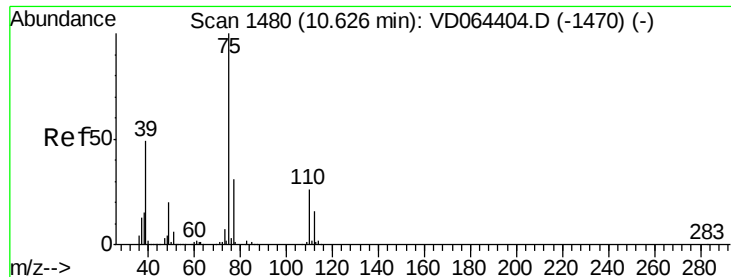
91 170.3 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





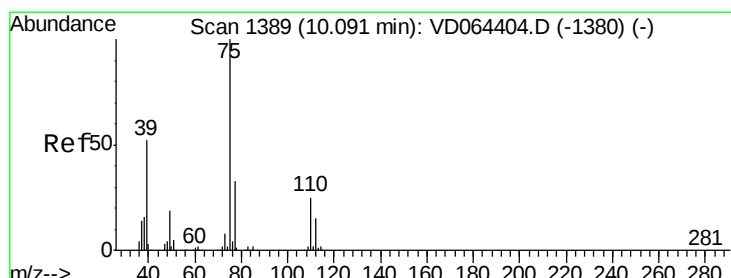
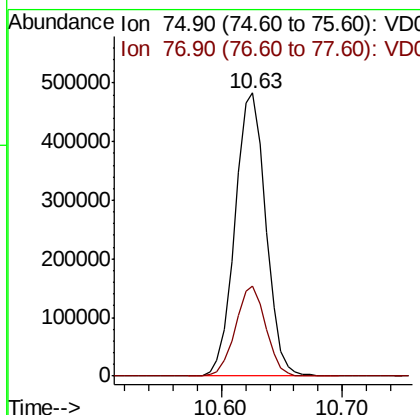
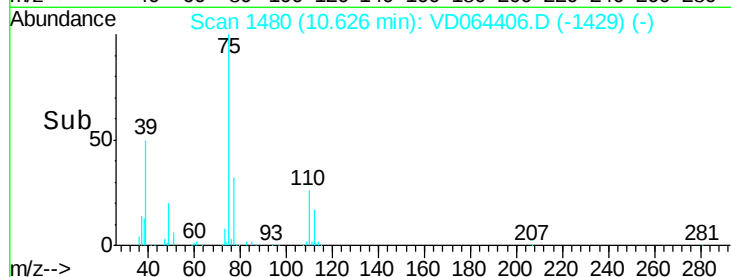
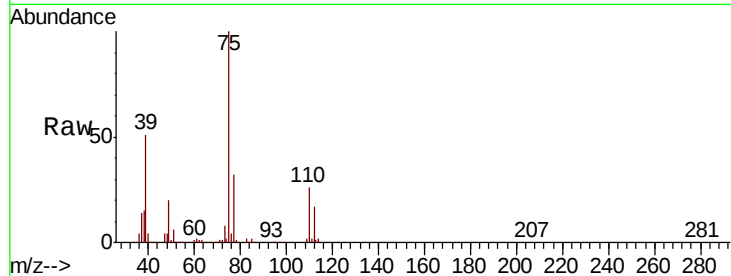
#53
 t-1,3-Dichloropropene
 Concen: 148.246 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD064406.D
 Acq: 27 Nov 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 861952
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.0 37.4

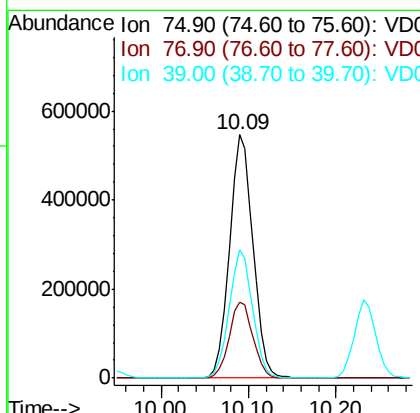
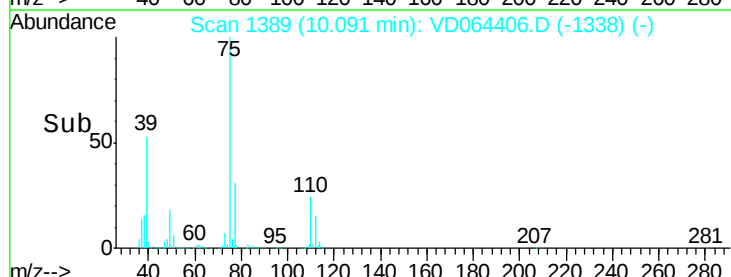
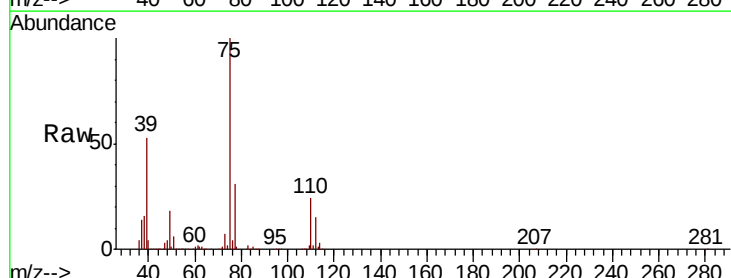
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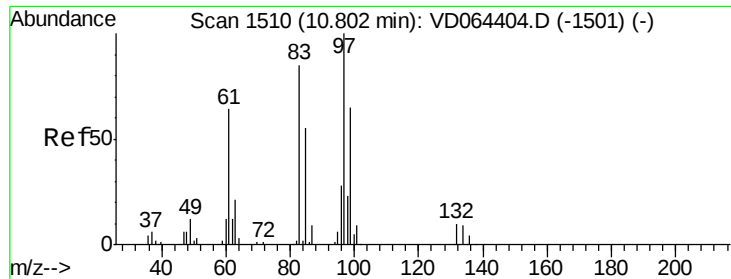
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#54
 cis-1,3-Dichloropropene
 Concen: 146.290 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD064406.D
 Acq: 27 Nov 2019 20:14

Tgt Ion: 75 Resp: 994419
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.1 39.1
 39 52.5 41.5 62.3





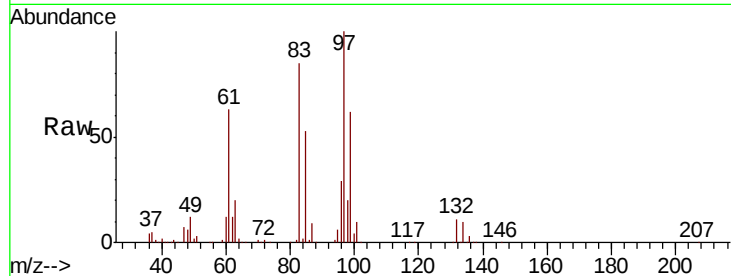
#55
 1,1,2-Trichloroethane
 Concen: 153.177 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064406.D
 Acq: 27 Nov 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

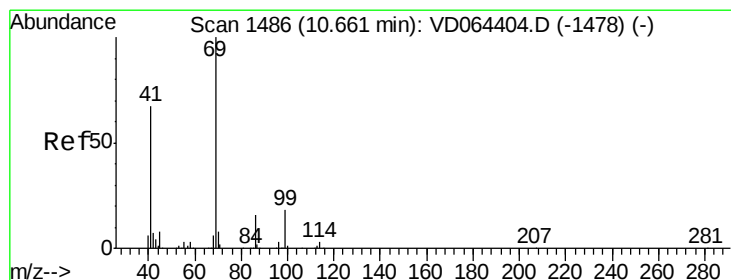
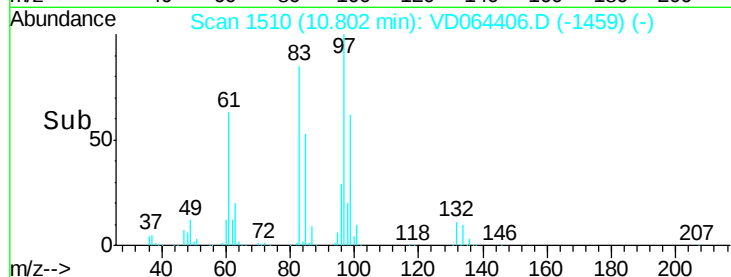
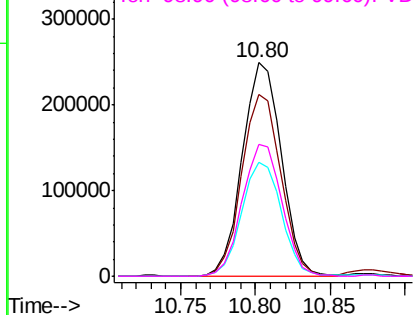
Tot Ion	Ratio	Resp	Lower	Upper
97	100	453350		
83	84.8	67.8	101.8	
85	53.4	43.7	65.5	
99	61.8	51.7	77.5	

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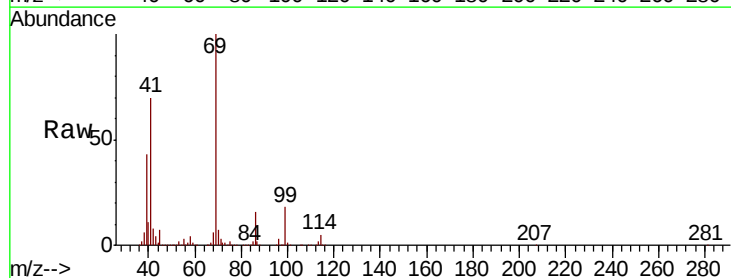


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

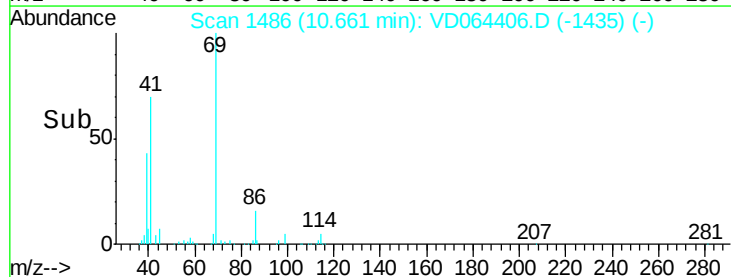
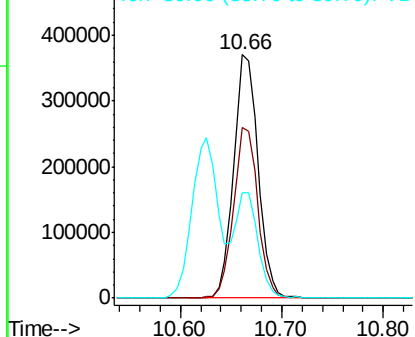


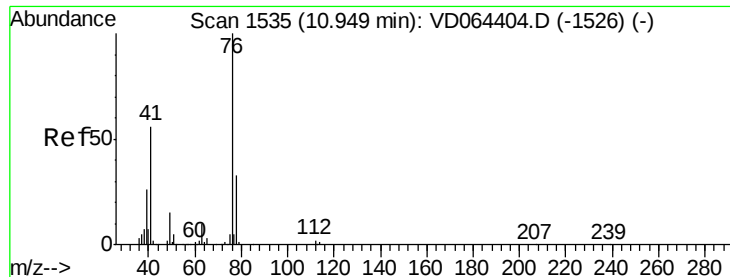
#56
 Ethyl methacrylate
 Concen: 151.805 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064406.D
 Acq: 27 Nov 2019 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	622207		
41	68.7	55.0	82.4	
39	42.7	33.0	49.6	



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 153.788 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 791761

Ion Ratio Lower Upper

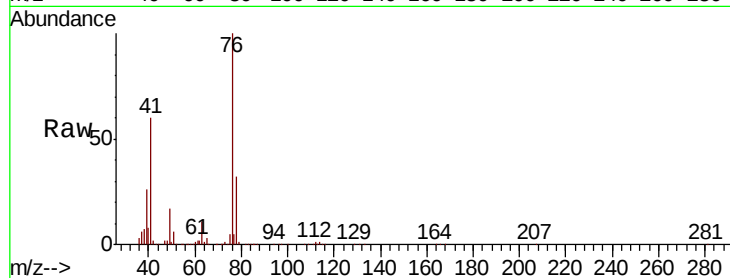
76 100

78 32.2 26.0 39.0

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

500000

400000

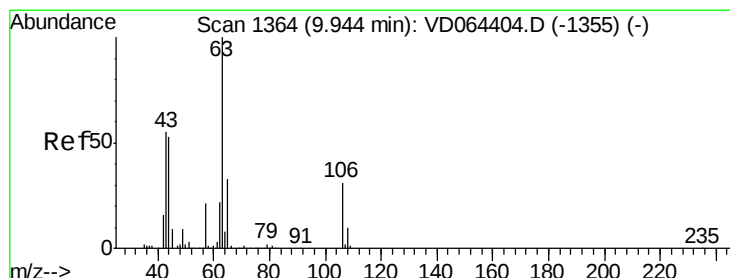
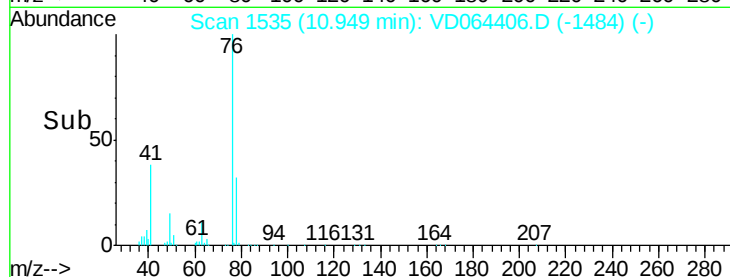
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 690.359 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064406.D

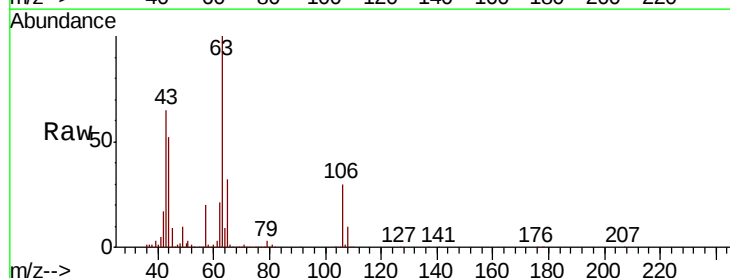
Acq: 27 Nov 2019 20:14

Tgt Ion: 63 Resp: 1127368

Ion Ratio Lower Upper

63 100

106 30.4 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

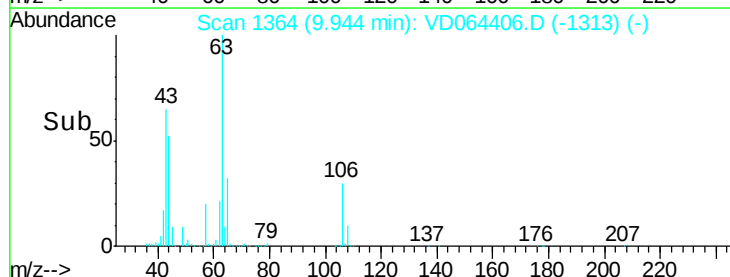
600000

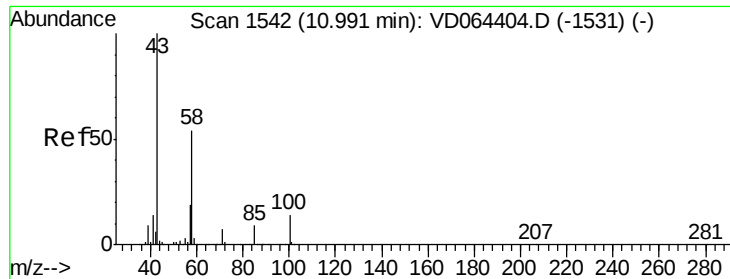
400000

200000

0

Time-->





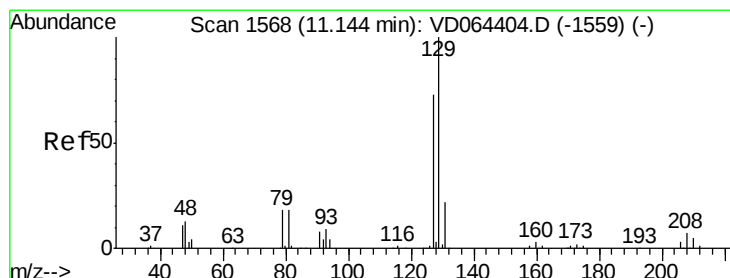
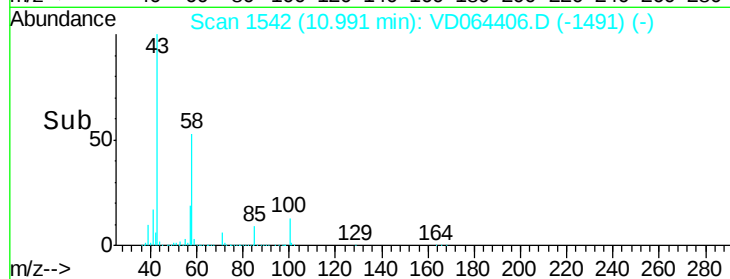
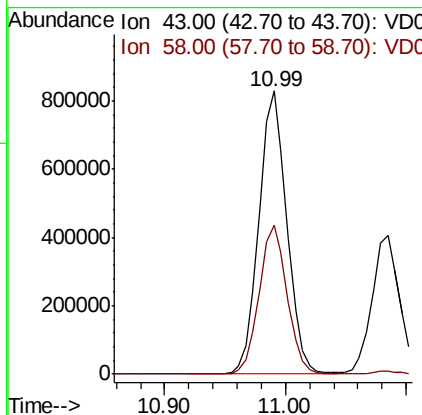
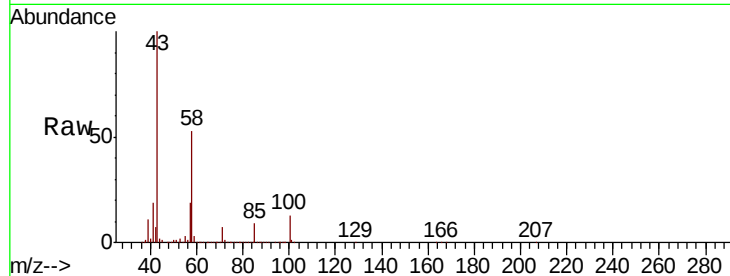
#59
2-Hexanone
Concen: 743.821 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1332487
Ion Ratio Lower Upper
43 100
58 52.6 26.3 78.8

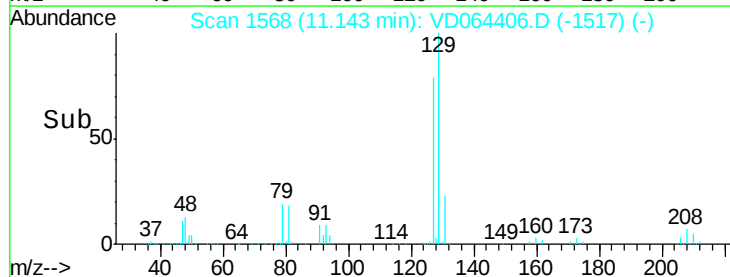
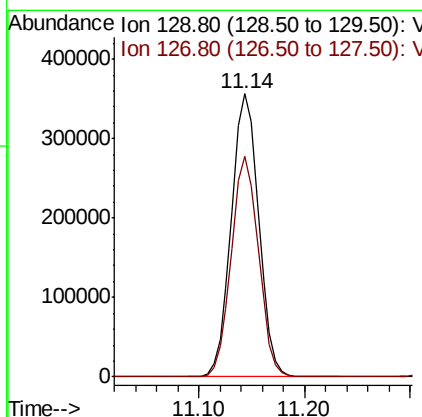
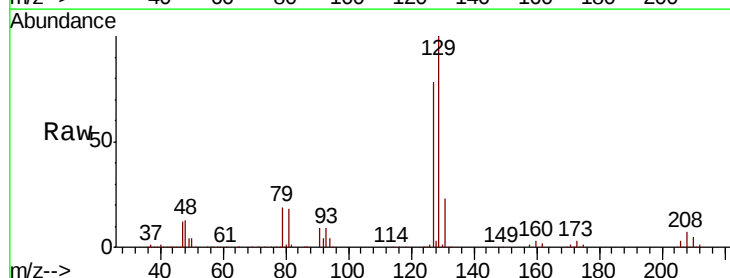
Manual Integrations
APPROVED

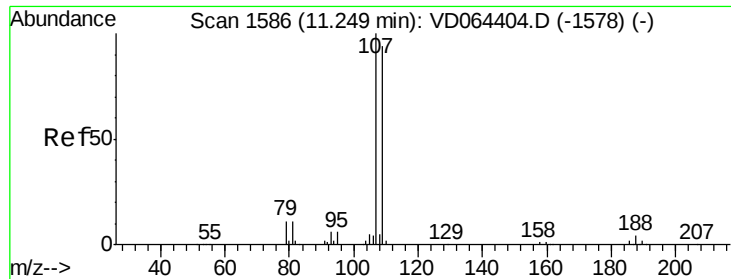
apatel
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#60
Dibromochloromethane
Concen: 154.874 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Tgt Ion: 129 Resp: 639010
Ion Ratio Lower Upper
129 100
127 77.5 38.1 114.3





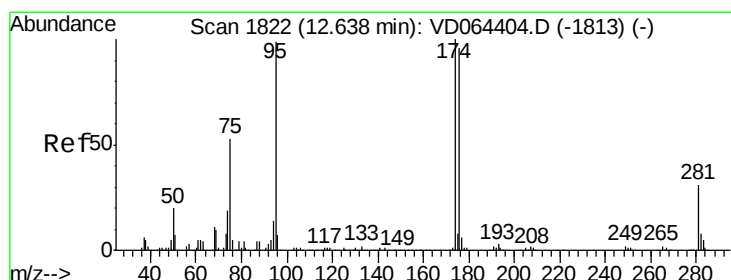
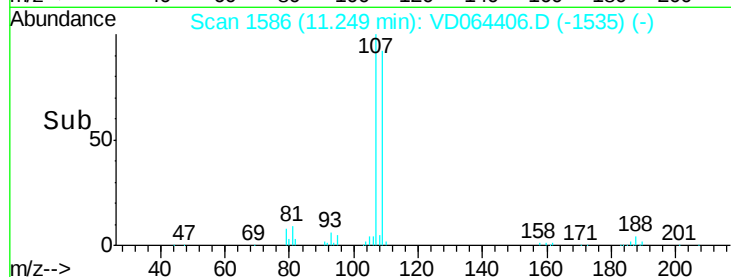
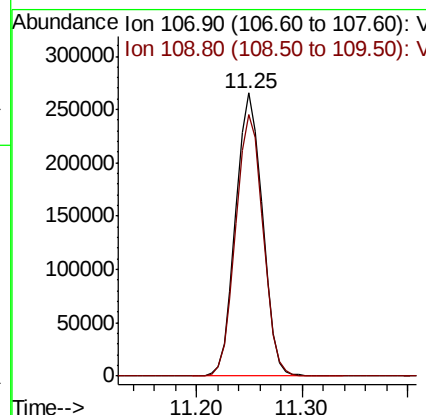
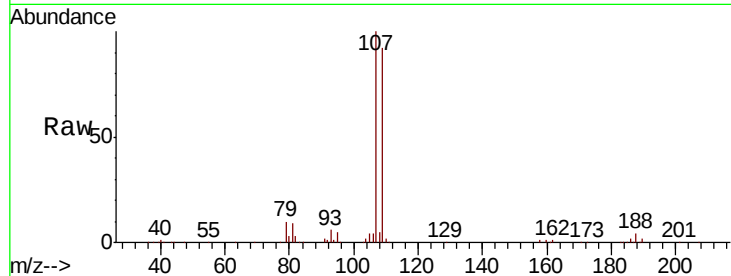
#61
 1,2-Dibromoethane
 Concen: 157.376 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064406.D
 Acq: 27 Nov 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.2	114.2

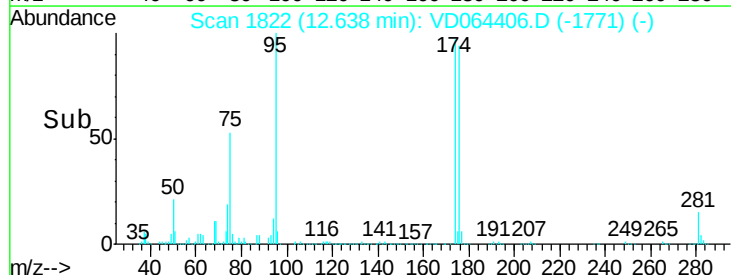
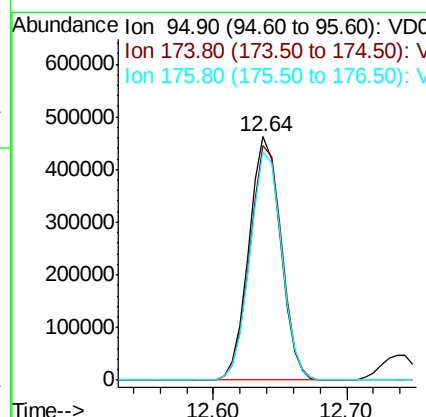
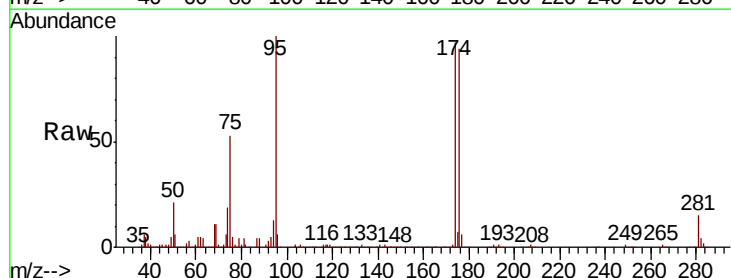
Manual Integrations
 APPROVED

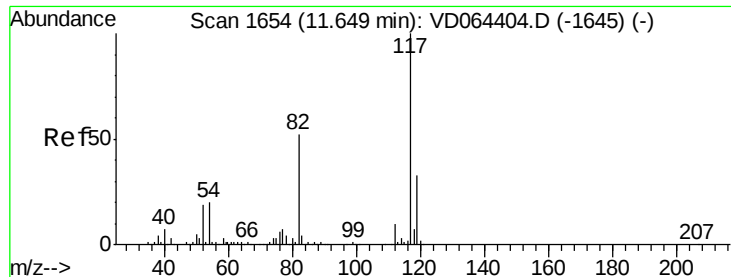
apatel
 12/2/2019 10:56:47 AM



#62
 4-Bromofluorobenzene
 Concen: 155.437 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064406.D
 Acq: 27 Nov 2019 20:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.3	0.0	197.2
176	93.9	0.0	189.6





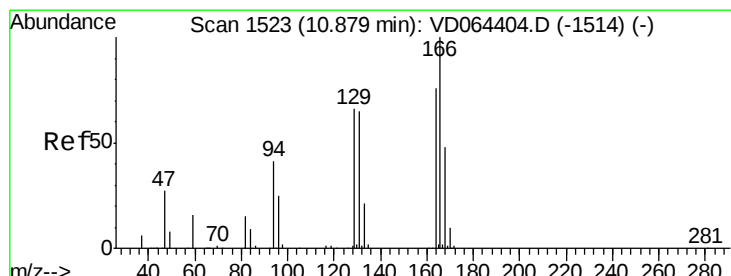
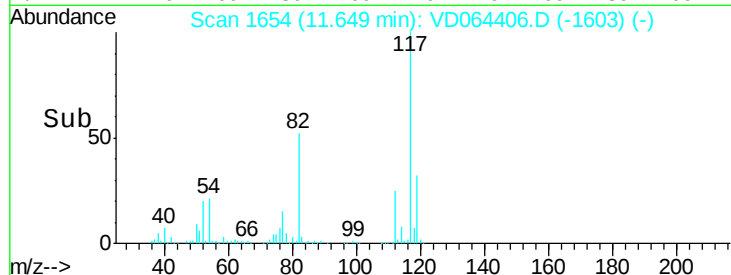
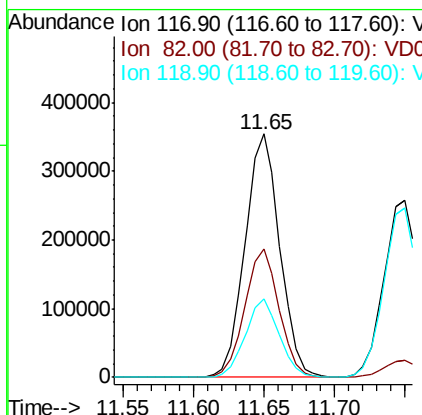
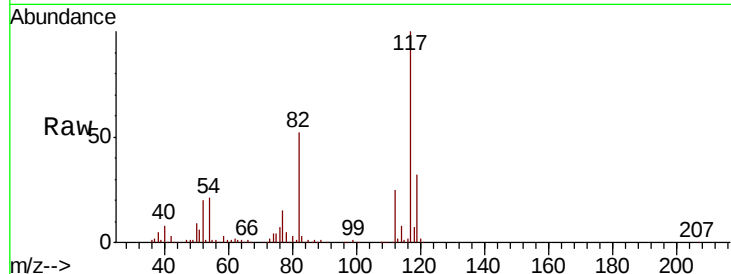
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.4	62.2
119	32.0	26.2	39.2

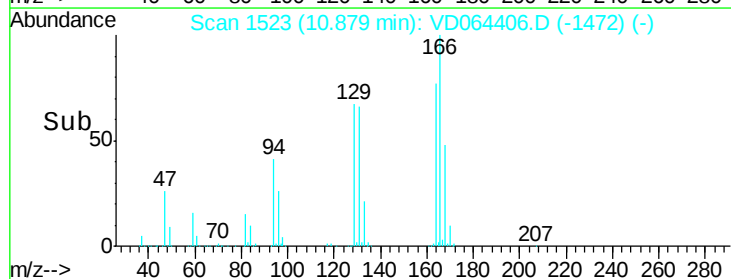
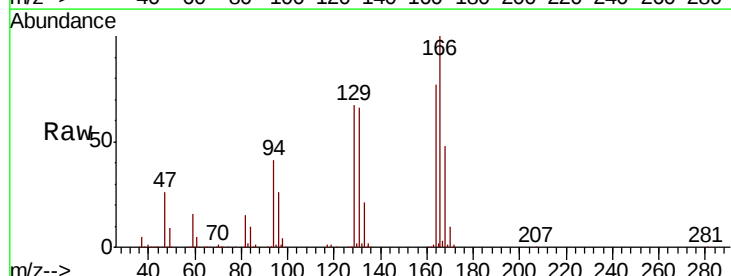
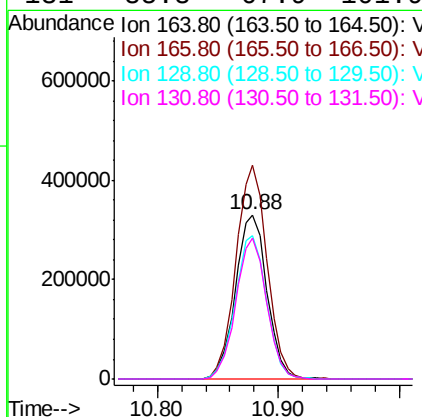
Manual Integrations
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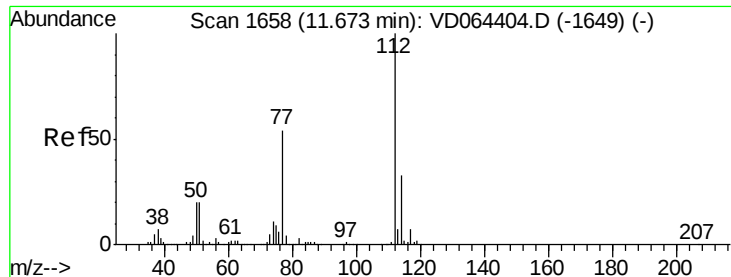
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#64
Tetrachloroethene
Concen: 128.759 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.8	157.2
129	87.3	68.7	103.1
131	85.8	67.9	101.9





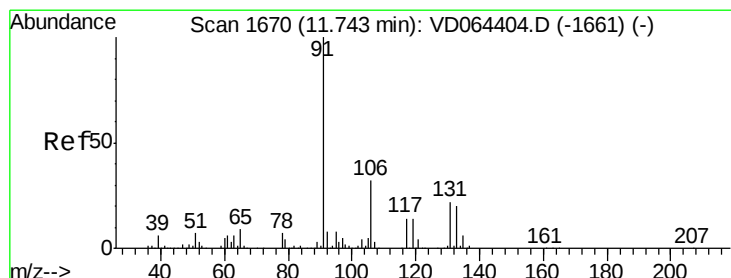
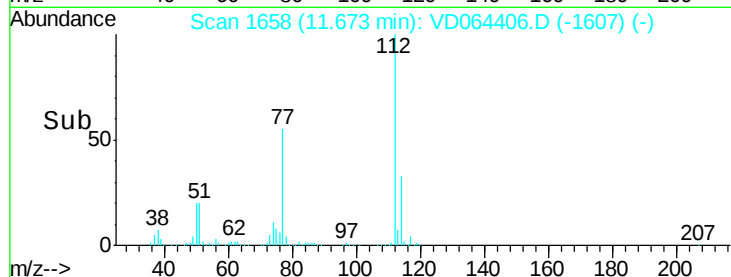
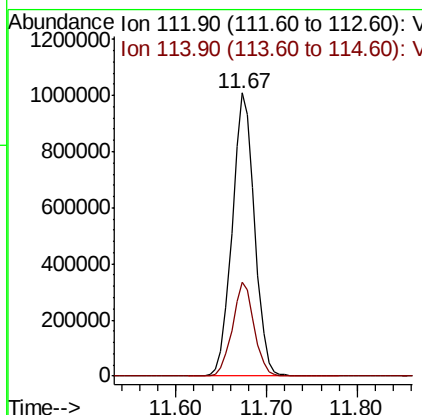
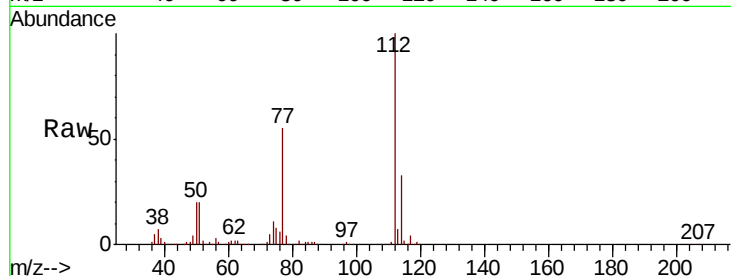
#65
Chlorobenzene
Concen: 139.092 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1726216
Ion Ratio Lower Upper
112 100
114 33.0 26.5 39.7

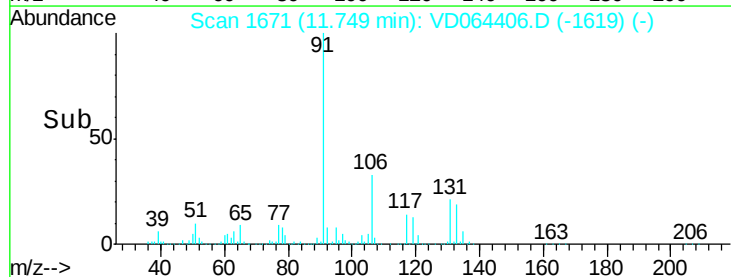
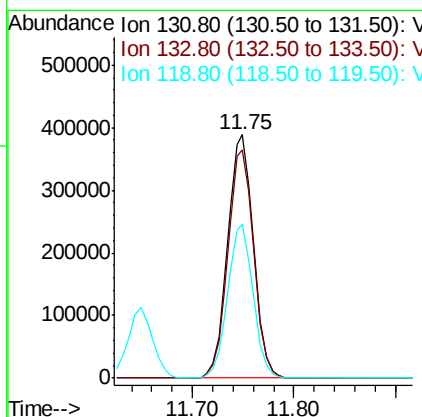
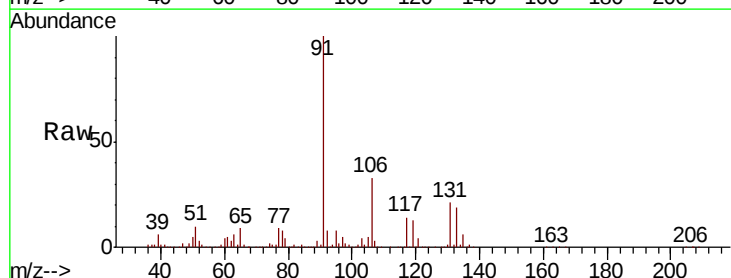
Manual Integrations
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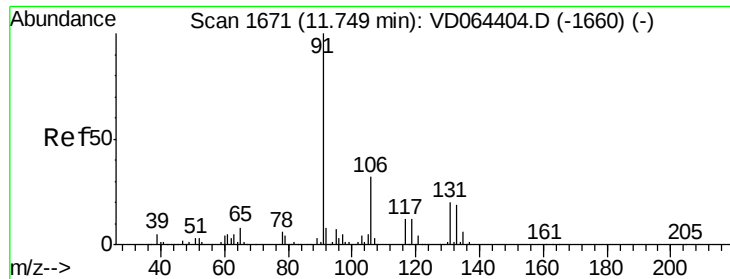
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 144.556 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Tgt Ion:131 Resp: 681548
Ion Ratio Lower Upper
131 100
133 94.1 48.3 144.9
119 62.6 31.9 95.9





#67

Ethyl Benzene

Concen: 138.264 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3096908

Ion Ratio Lower Upper

91 100

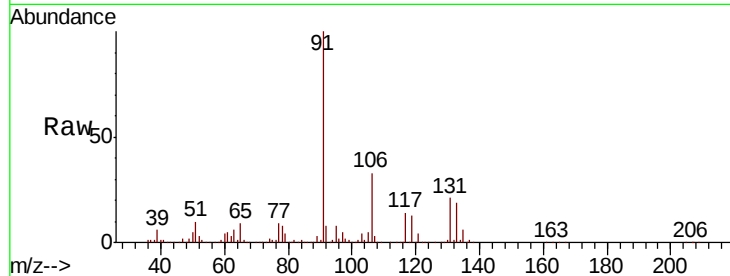
106 32.6 25.8 38.8

Manual Integrations

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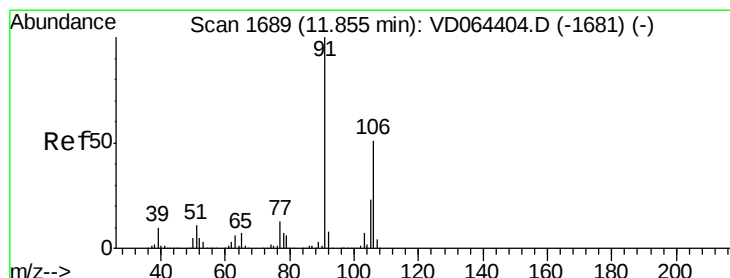
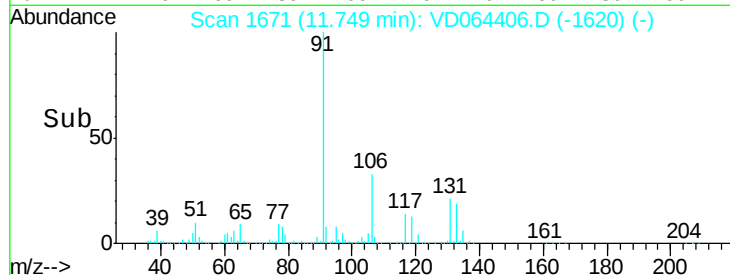
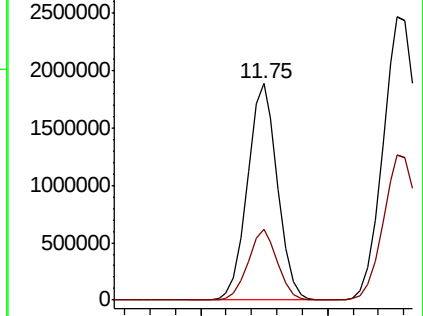
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 279.512 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064406.D

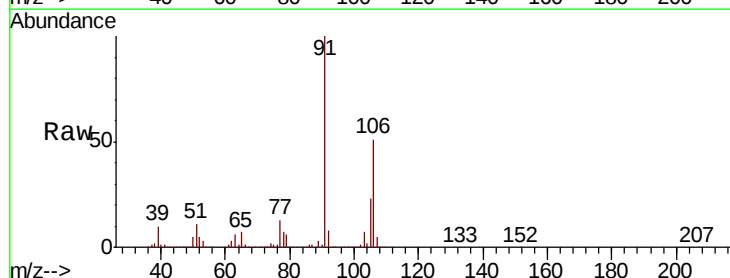
Acq: 27 Nov 2019 20:14

Tgt Ion: 106 Resp: 2398204

Ion Ratio Lower Upper

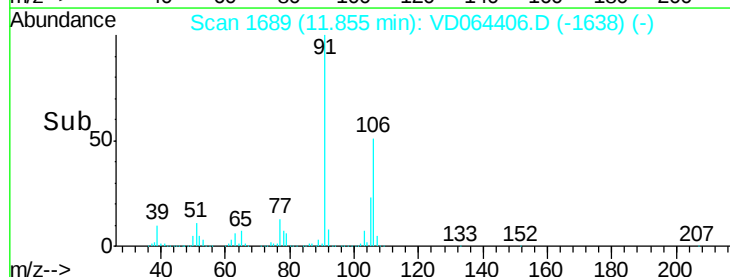
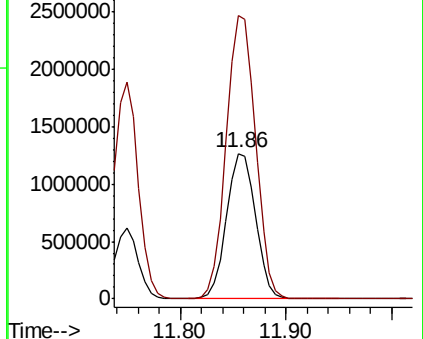
106 100

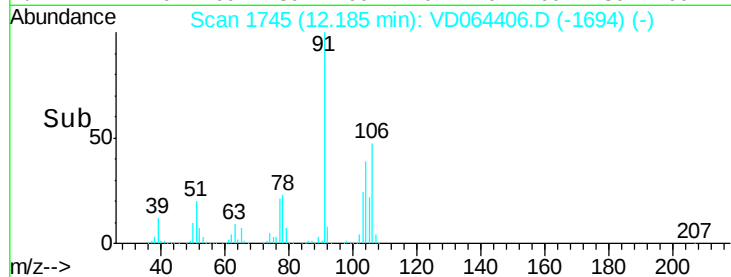
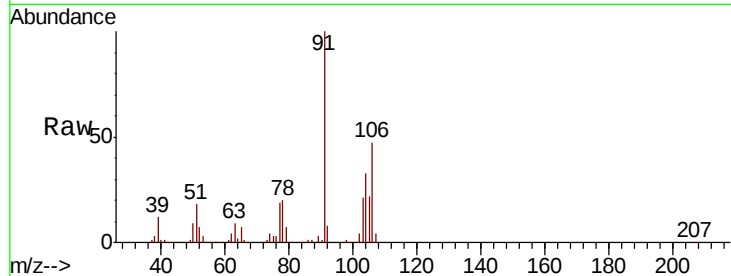
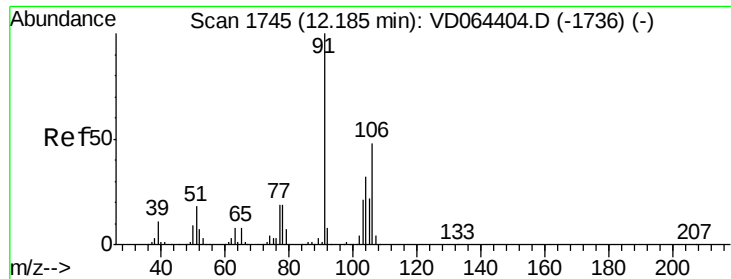
91 197.3 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





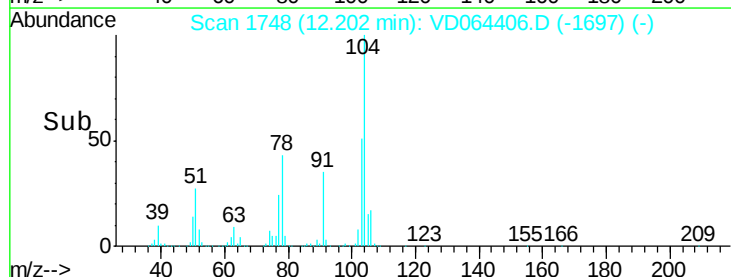
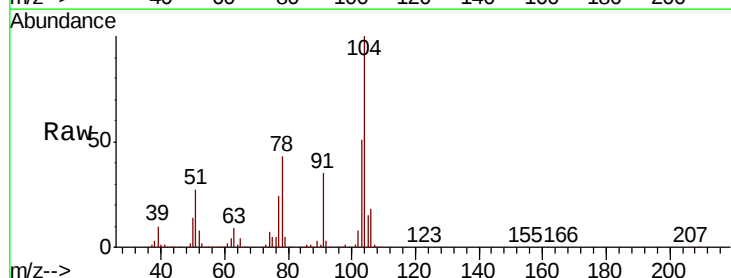
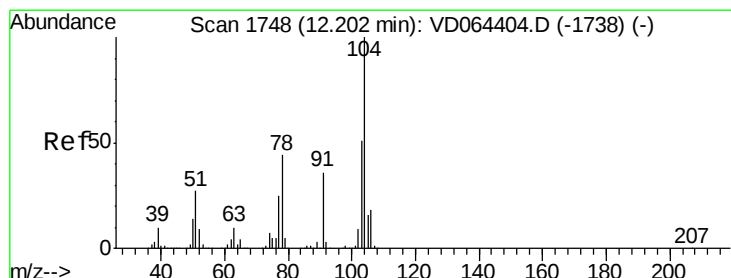
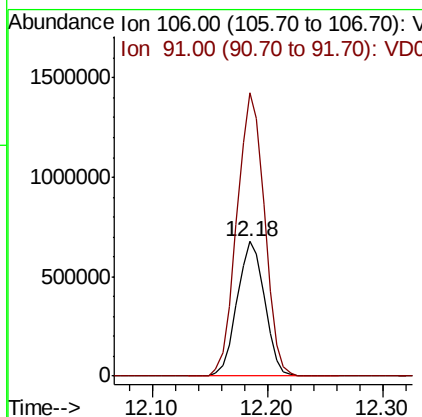
#69
o-Xylene
Concen: 140.927 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Tot Ion:106 Resp: 1121452
Ion Ratio Lower Upper
106 100
91 210.4 103.8 311.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

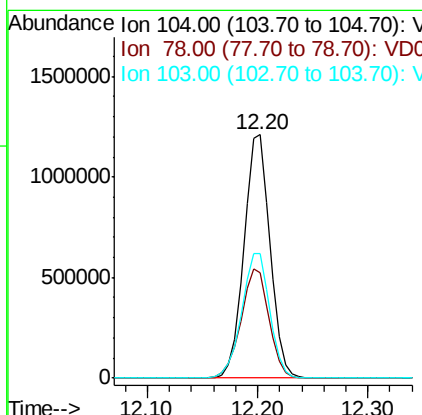
Manual Integrations
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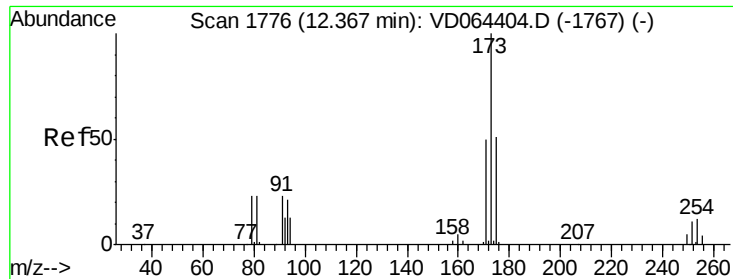
apatel
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#70
Styrene
Concen: 145.233 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Tgt Ion:104 Resp: 2014224
Ion Ratio Lower Upper
104 100
78 48.2 38.8 58.2
103 55.0 44.2 66.4





#71

Bromoform

Concen: 149.600 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 402622

Ion Ratio Lower Upper

173 100

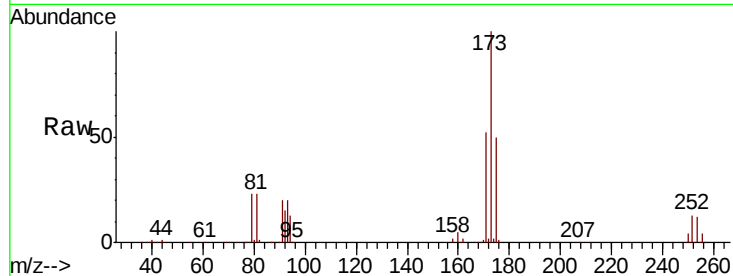
175 48.8 25.3 75.8

254 0.2 0.0 0.0#

Manual Integrations
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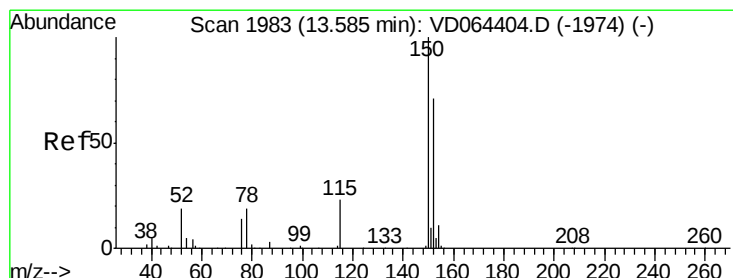
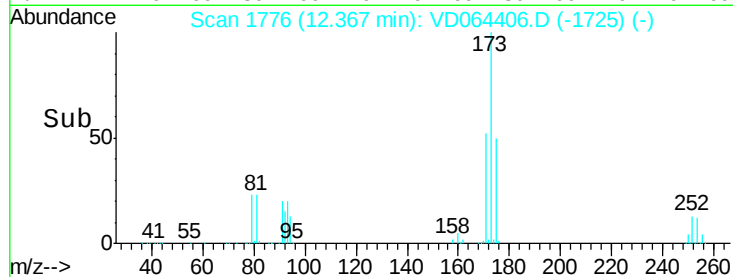
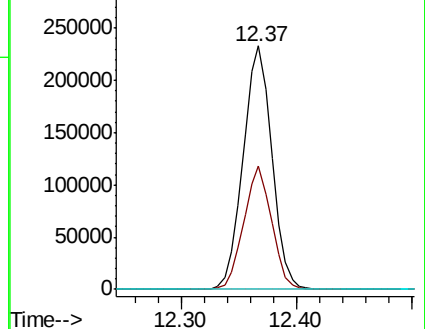
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

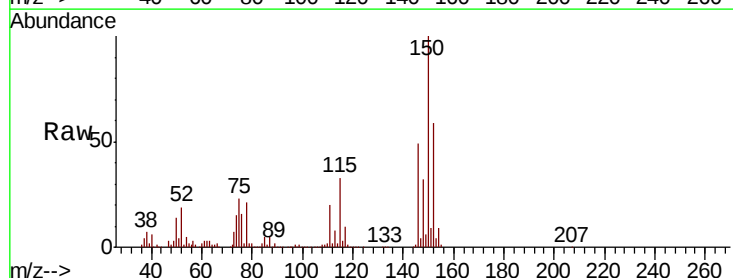
Tgt Ion:152 Resp: 316781

Ion Ratio Lower Upper

152 100

115 54.1 26.7 80.1

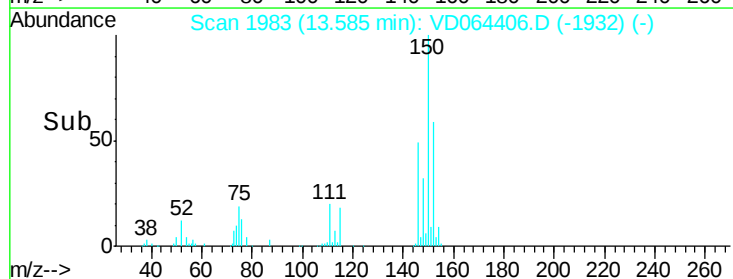
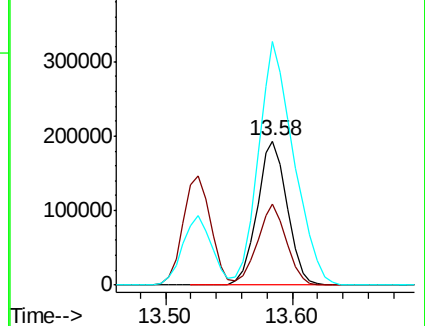
150 199.8 0.0 347.2

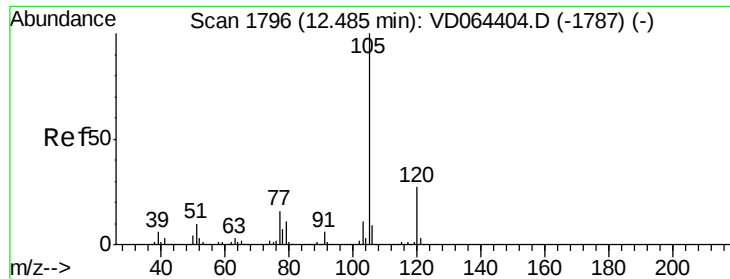


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 130.876 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3019021

Ion Ratio Lower Upper

105 100

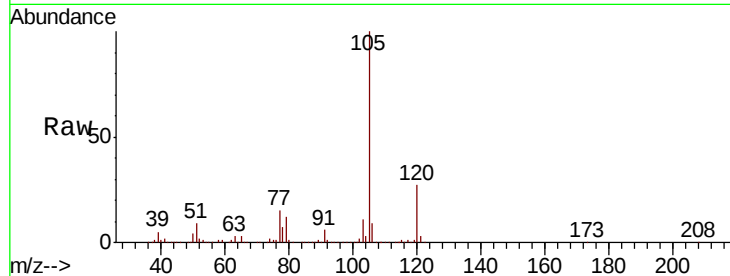
120 27.0 13.4 40.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

2000000

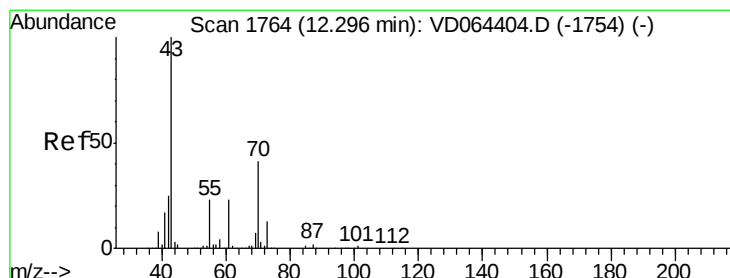
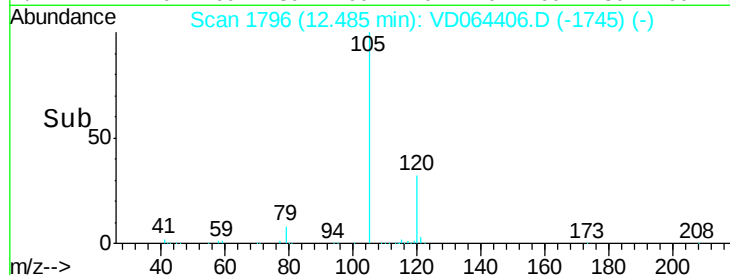
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 134.200 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Tgt Ion: 43 Resp: 731638

Ion Ratio Lower Upper

43 100

70 41.3 33.4 50.2

55 23.1 18.9 28.3

61 22.9 18.5 27.7

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

12.30

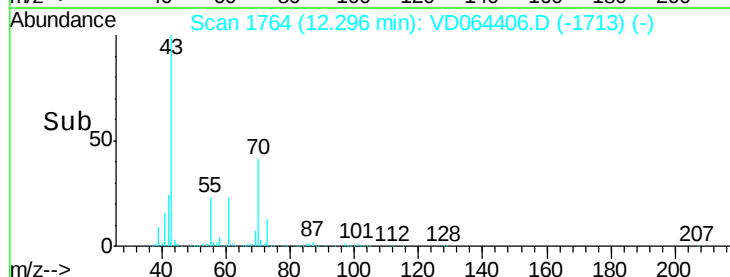
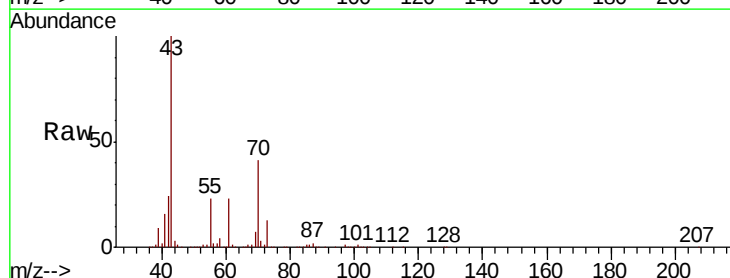
600000

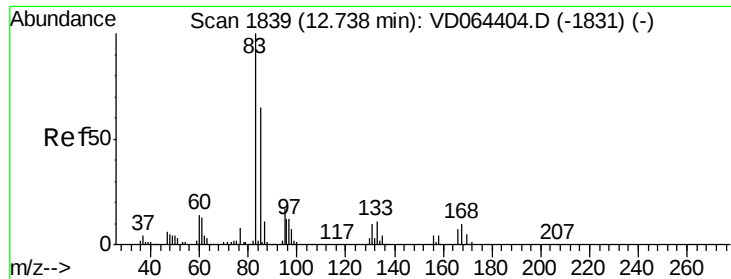
400000

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 138.502 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

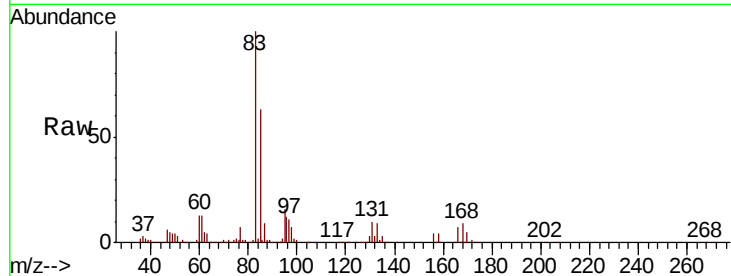
ClientSampleId :

VSTDIC150

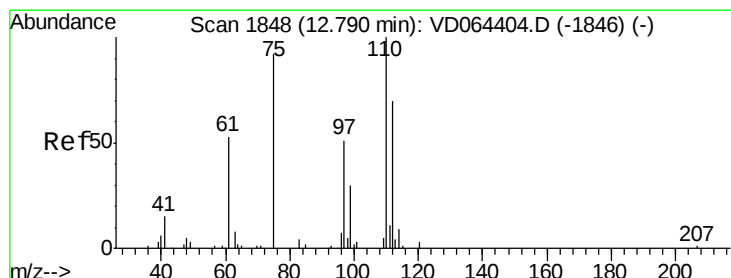
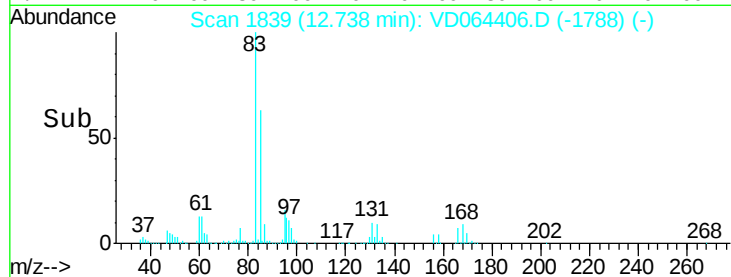
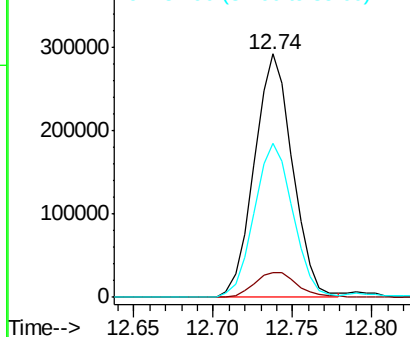
Tot Ion:	83	Resp:	491004
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.7	17.0
85	64.0	31.3	93.9

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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 159.216 ug/l m

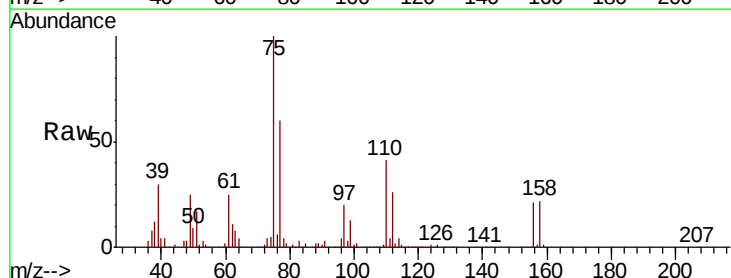
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

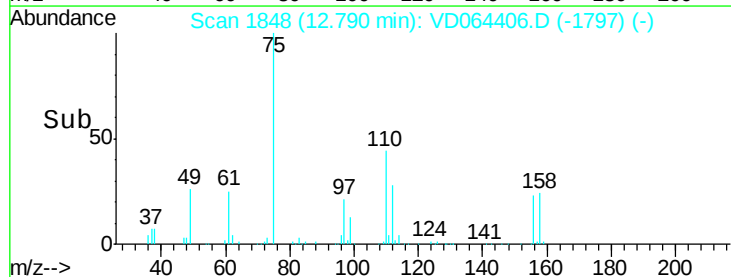
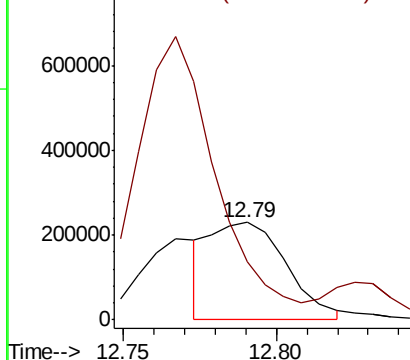
Lab File: VD064406.D

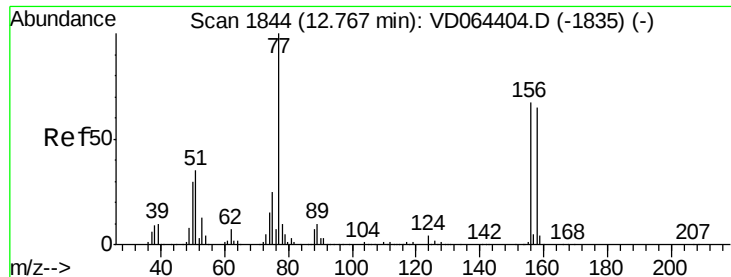
Acq: 27 Nov 2019 20:14

Tgt Ion:	75	Resp:	402554
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 136.126 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

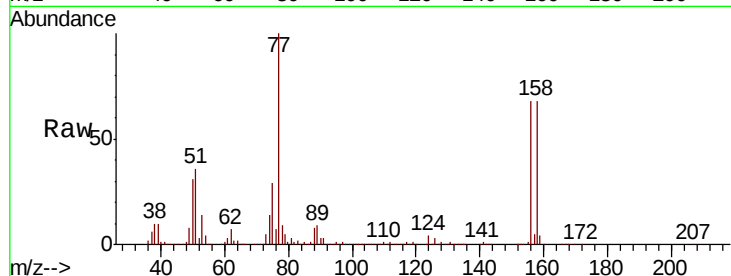
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	765707
Ion Ratio	Lower	Upper	
156	100		
77	158.3	80.0	240.2
158	97.0	48.9	146.6

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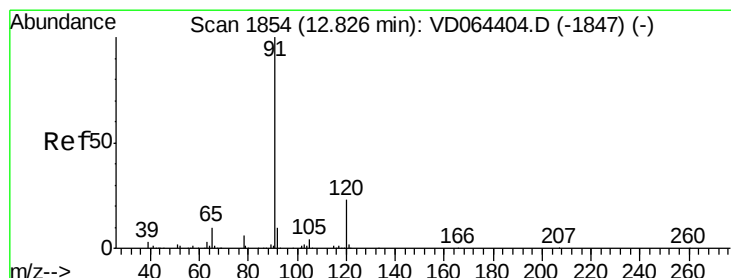
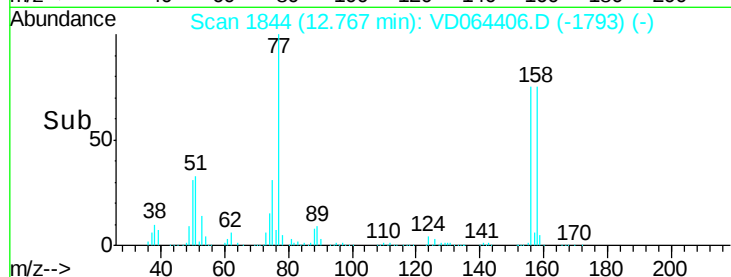
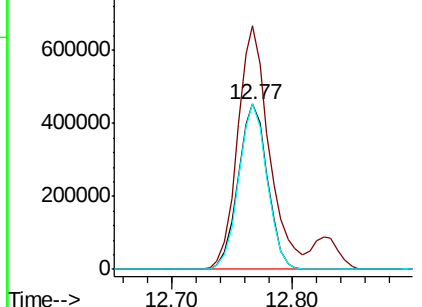
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 131.368 ug/l

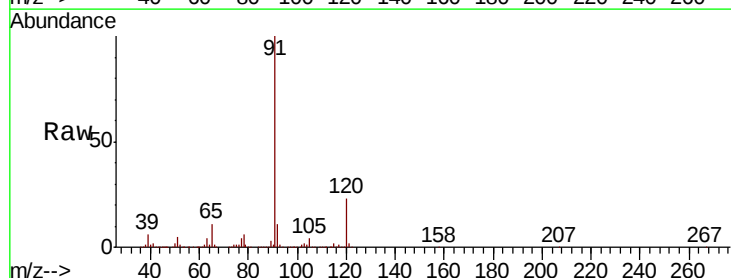
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064406.D

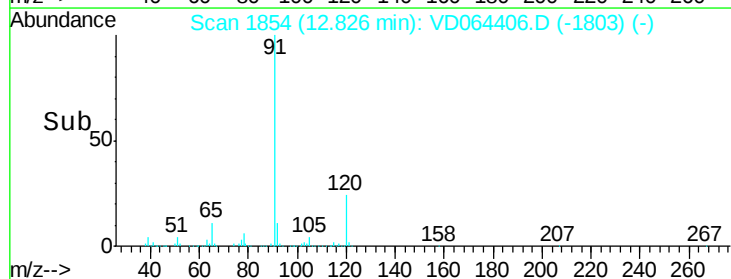
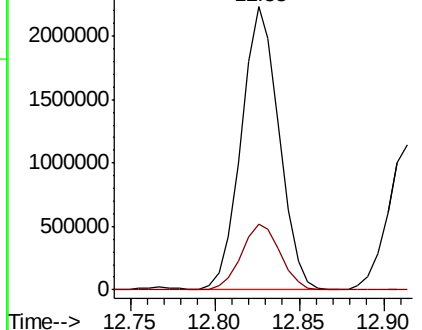
Acq: 27 Nov 2019 20:14

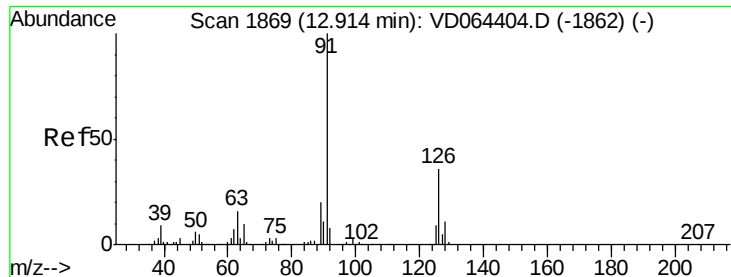
Tgt Ion:	91	Resp:	3463013
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 128.511 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1906602

Ion Ratio Lower Upper

91 100

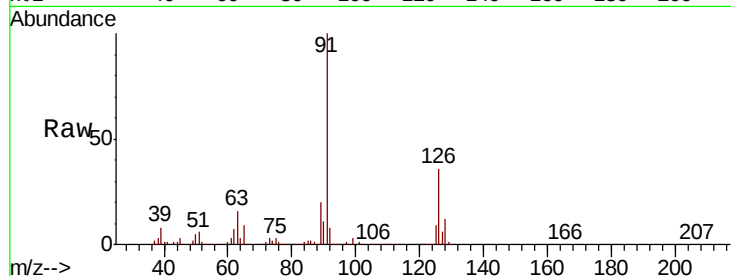
126 36.3 18.0 54.0

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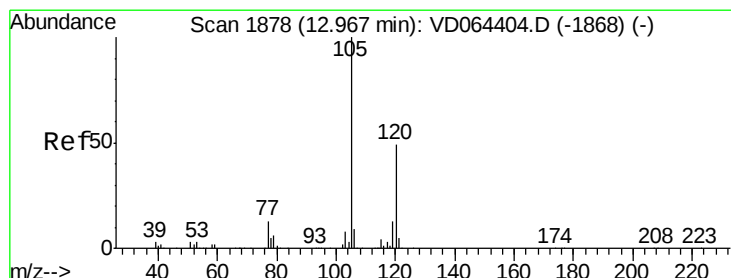
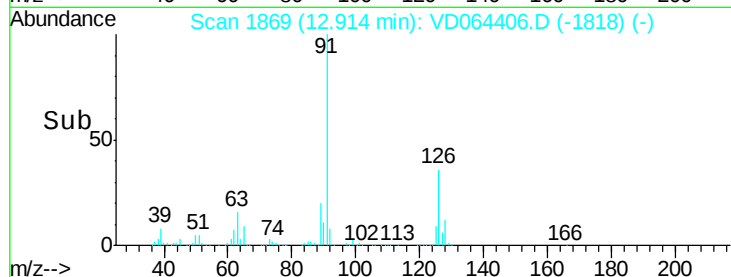
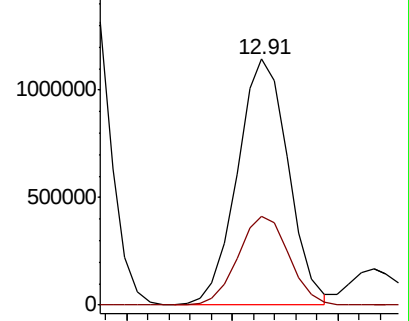
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Abundance Ion 91.00 (90.70 to 91.70): VD064406.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064406.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 131.772 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064406.D

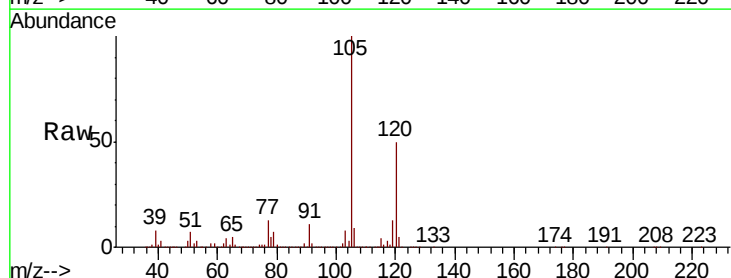
Acq: 27 Nov 2019 20:14

Tgt Ion:105 Resp: 2500144

Ion Ratio Lower Upper

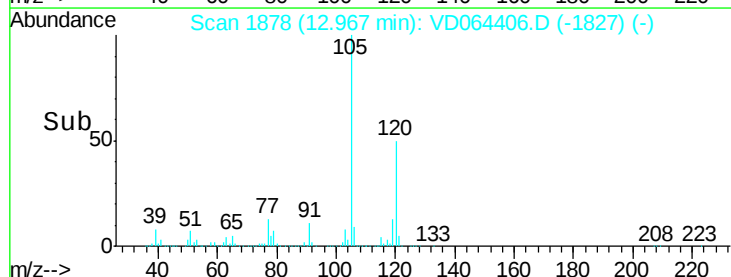
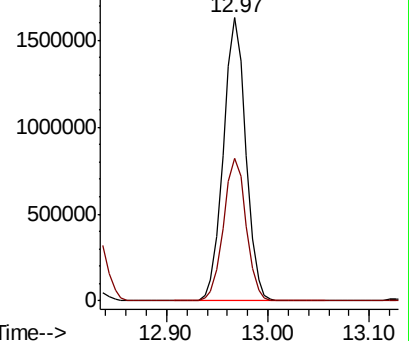
105 100

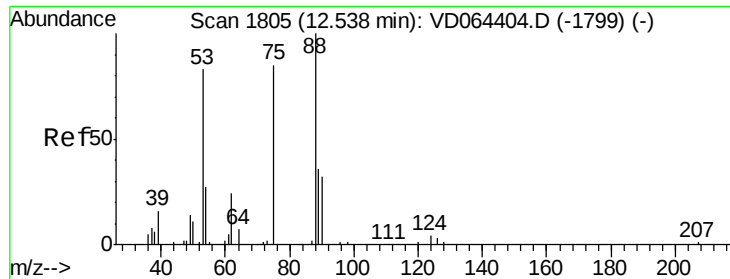
120 50.7 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064406.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD064406.D (-1827) (-)





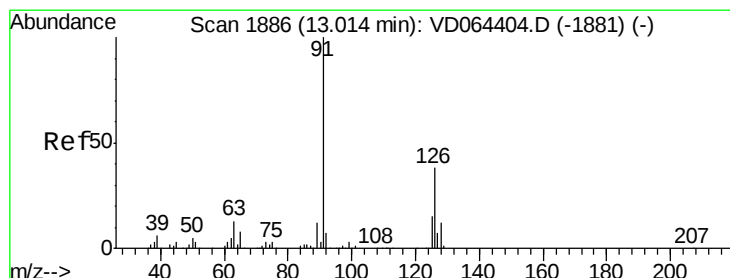
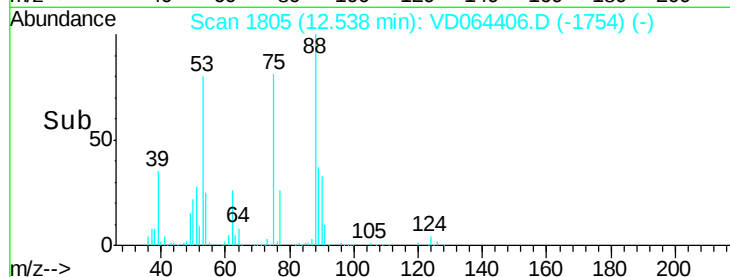
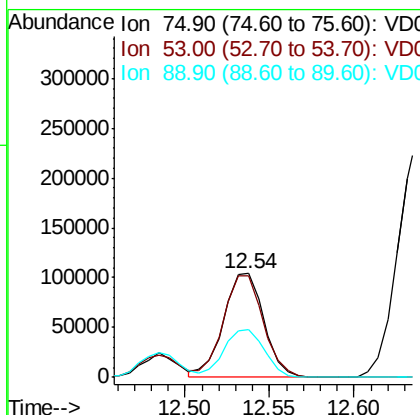
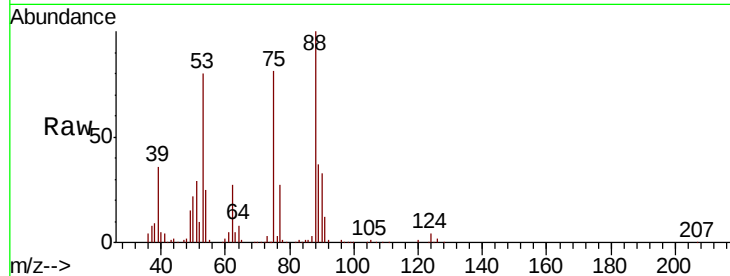
#81
trans-1,4-Dichloro-2-butene
Concen: 135.704 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.3	81.0	121.6
89	46.6	38.5	57.7

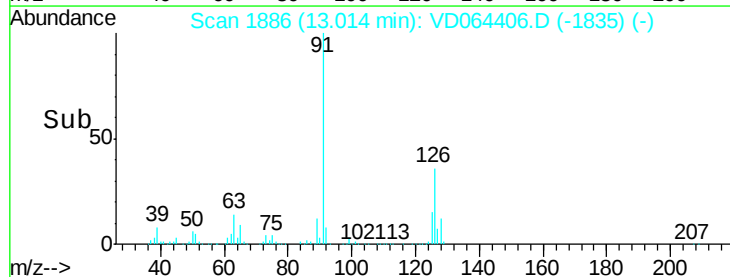
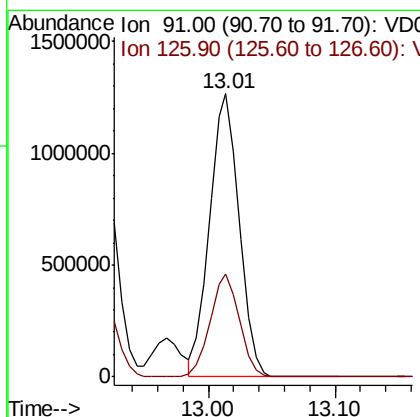
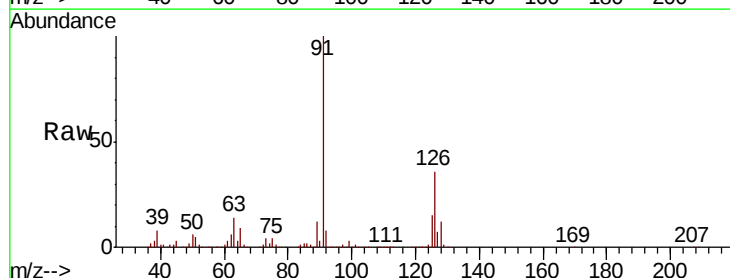
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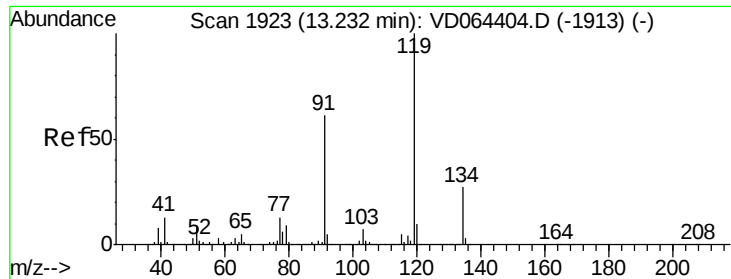
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#82
4-Chlorotoluene
Concen: 132.527 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	18.2	54.6





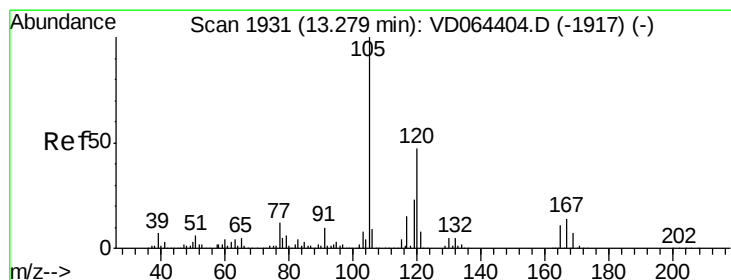
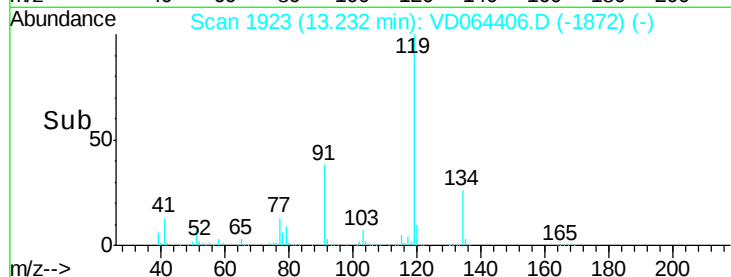
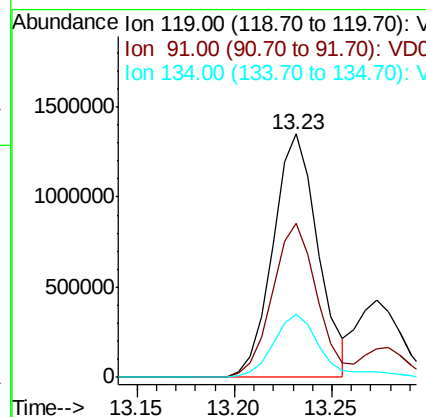
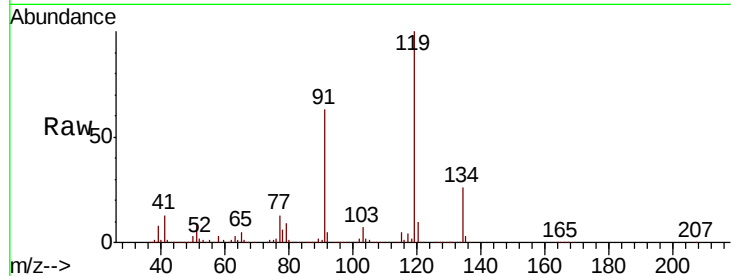
#83
tert-Butylbenzene
Concen: 129.697 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 2159253
Ion Ratio Lower Upper
119 100
91 63.0 31.2 93.6
134 27.6 13.9 41.7

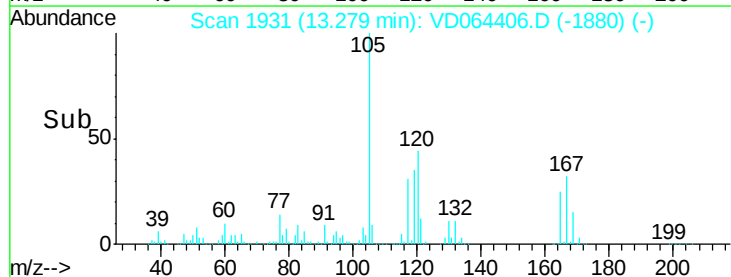
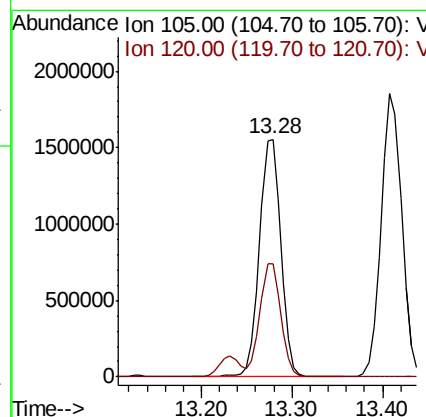
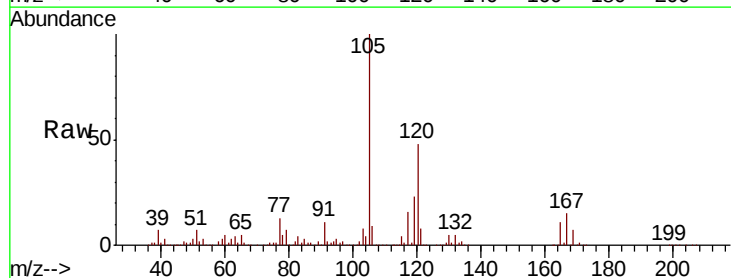
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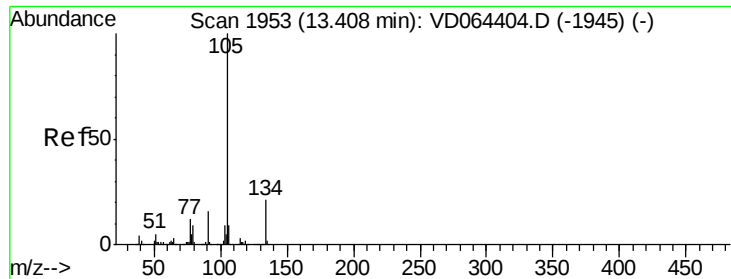
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 136.075 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Tgt Ion:105 Resp: 2548894
Ion Ratio Lower Upper
105 100
120 46.4 23.6 70.8





#85

sec-Butylbenzene

Concen: 129.946 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2917409

Ion Ratio Lower Upper

105 100

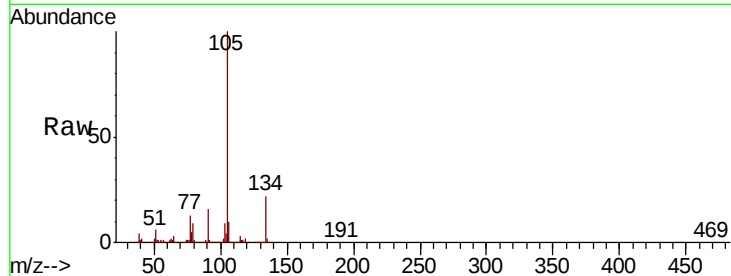
134 21.3 10.5 31.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

2000000

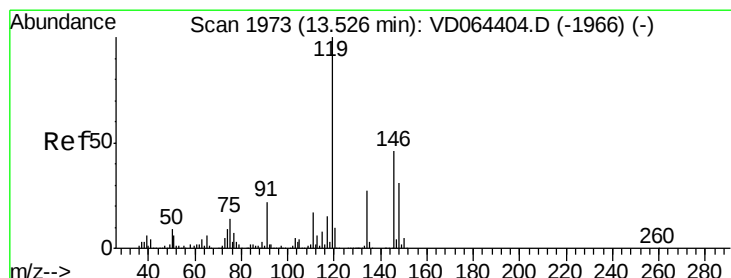
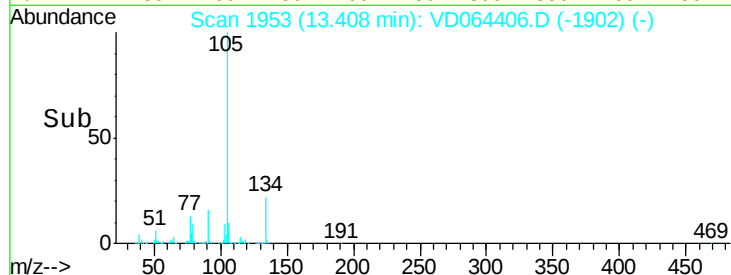
1500000

1000000

500000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 133.614 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

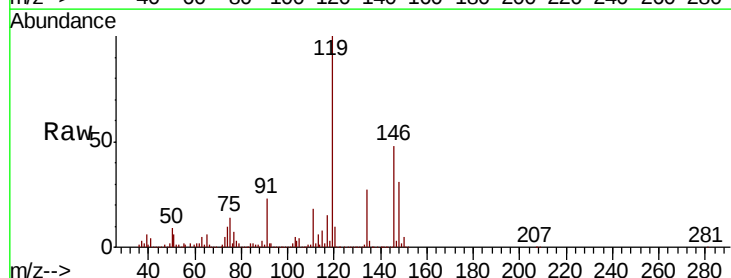
Tgt Ion:119 Resp: 2849582

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 22.6 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

2500000

2000000

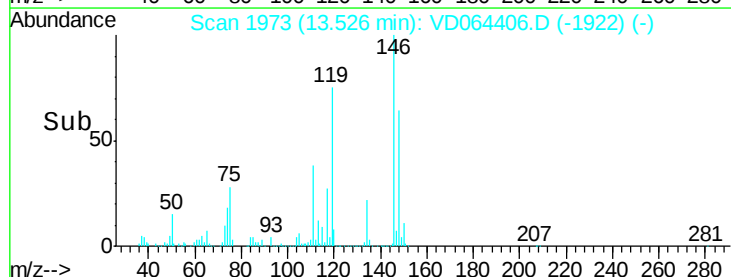
1500000

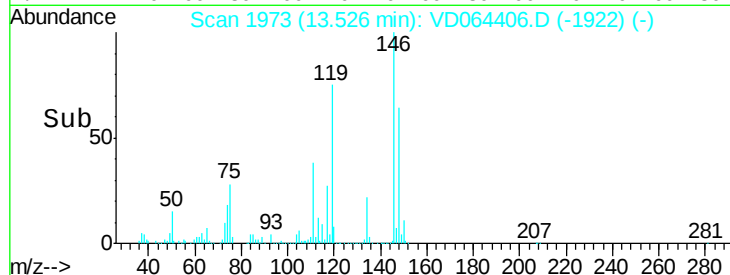
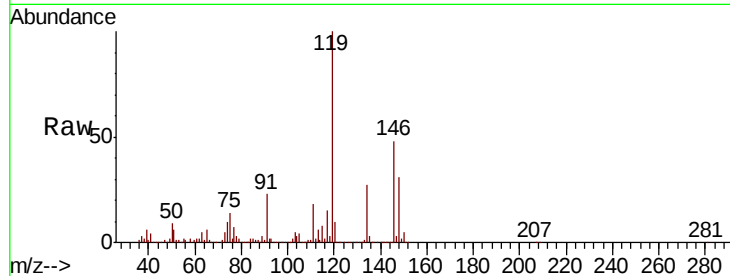
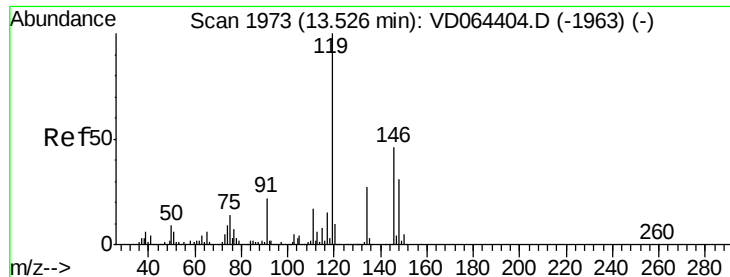
1000000

500000

0

Time--> 13.40 13.50 13.60





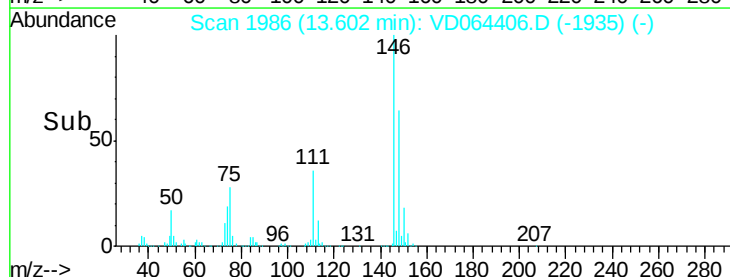
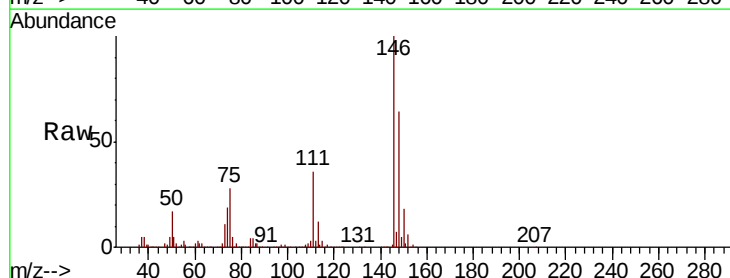
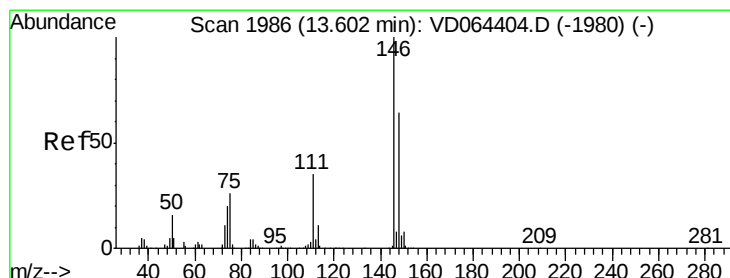
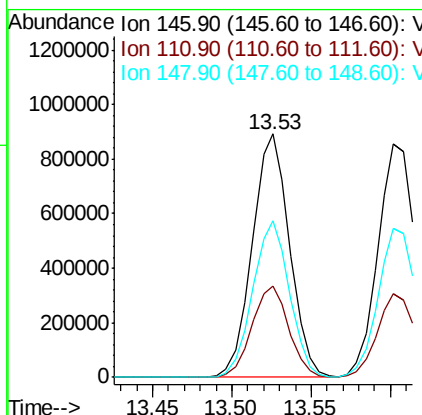
#87
 1,3-Dichlorobenzene
 Concen: 138.683 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064406.D
 Acq: 27 Nov 2019 20:14

Tot Ion:146 Resp: 1453032
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.8 56.4
 148 63.7 32.6 97.8

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

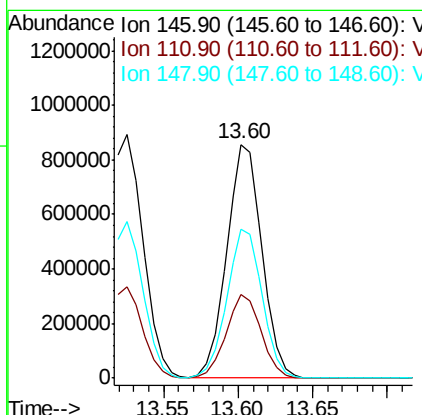
Manual Integrations
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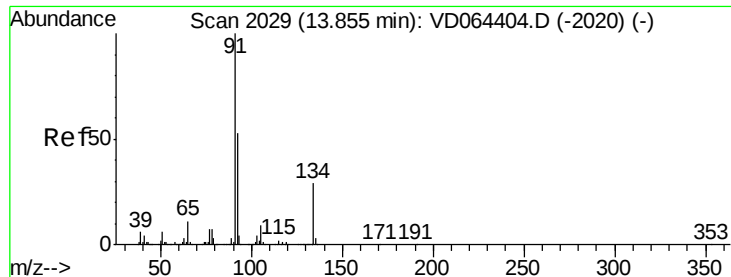
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 138.085 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064406.D
 Acq: 27 Nov 2019 20:14

Tgt Ion:146 Resp: 1407818
 Ion Ratio Lower Upper
 146 100
 111 35.4 18.2 54.6
 148 64.2 31.8 95.4





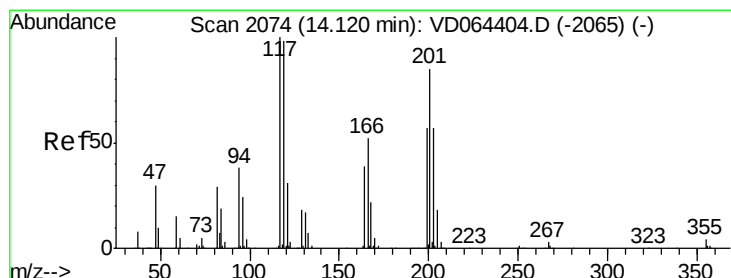
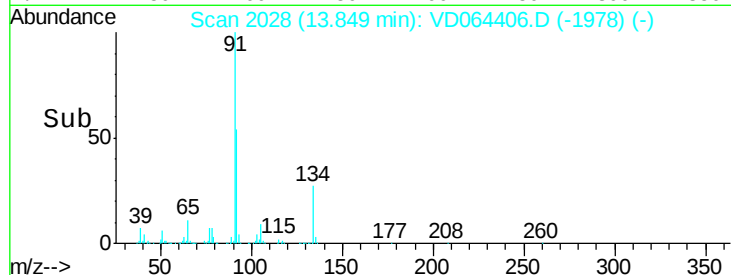
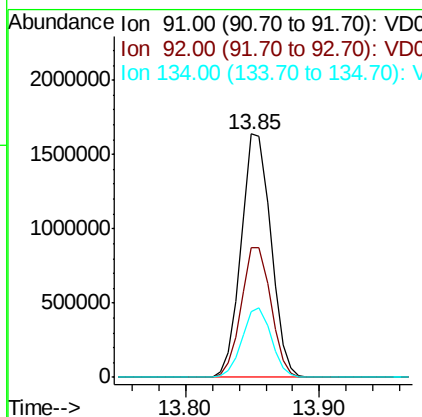
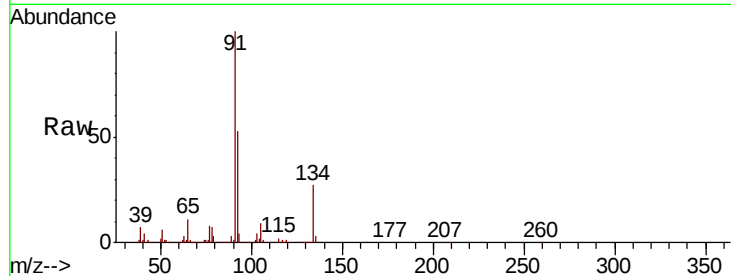
#89
n-Butylbenzene
Concen: 130.920 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.5	79.4
134	27.9	13.9	41.7

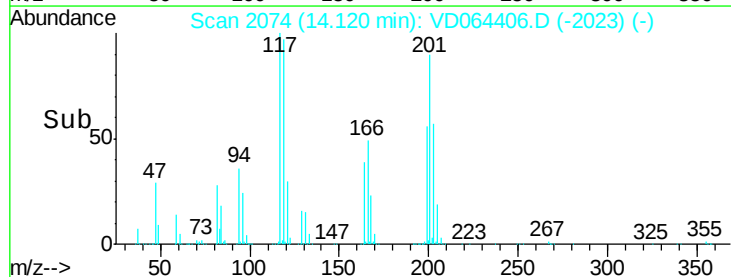
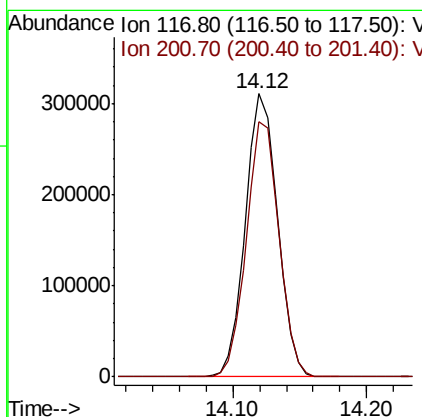
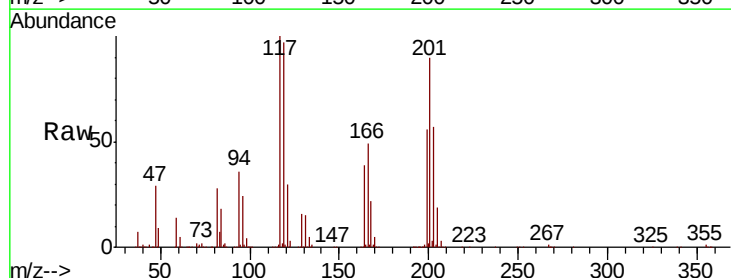
Manual Integrations
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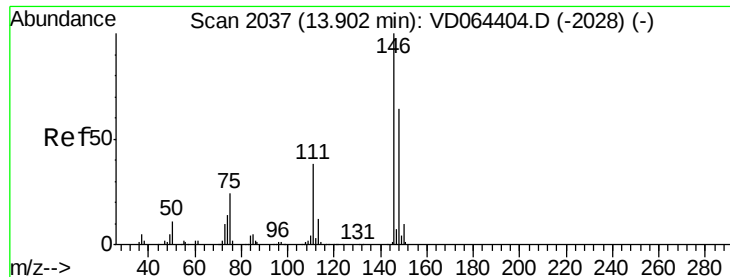
apatel
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#90
Hexachloroethane
Concen: 130.715 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064406.D
Acq: 27 Nov 2019 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.1	44.3	132.8





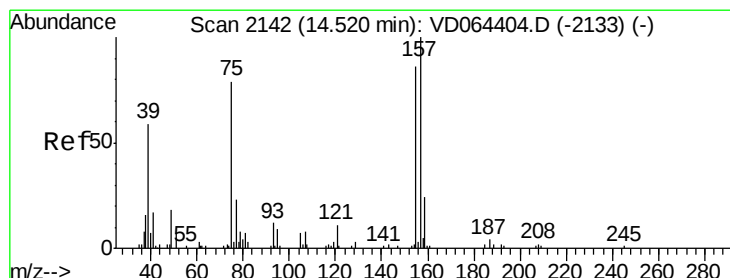
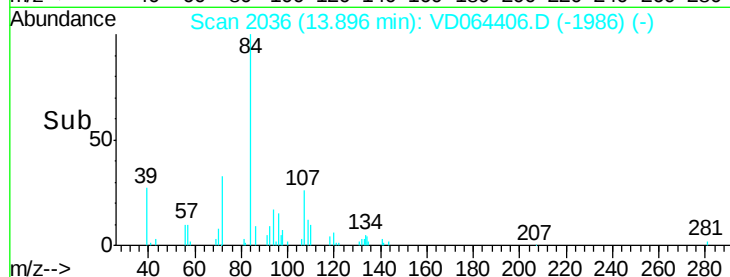
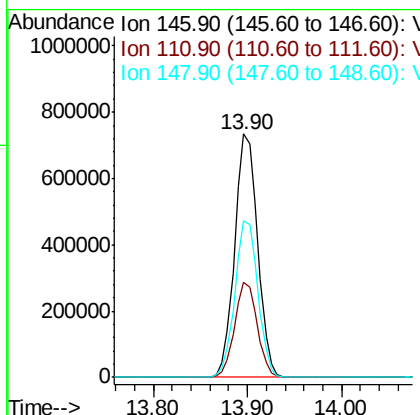
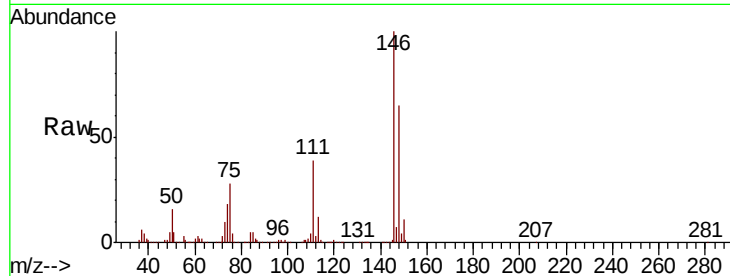
#91
 1,2-Dichlorobenzene
 Concen: 139.509 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064406.D
 Acq: 27 Nov 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.3
148	64.7	32.0	96.0

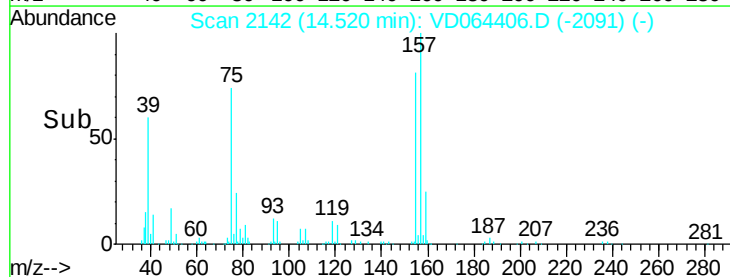
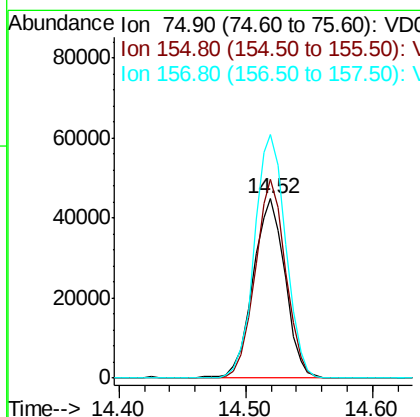
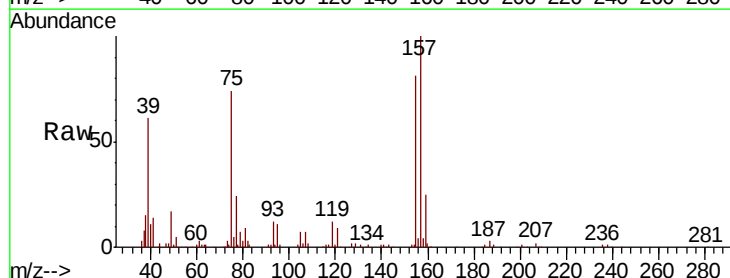
Manual Integrations
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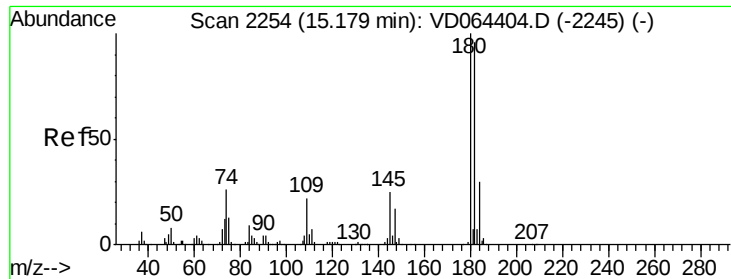
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 127.158 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD064406.D
 Acq: 27 Nov 2019 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.9	51.9	155.7
157	132.5	63.2	189.8





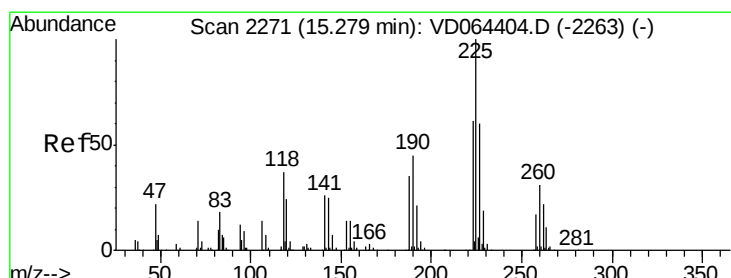
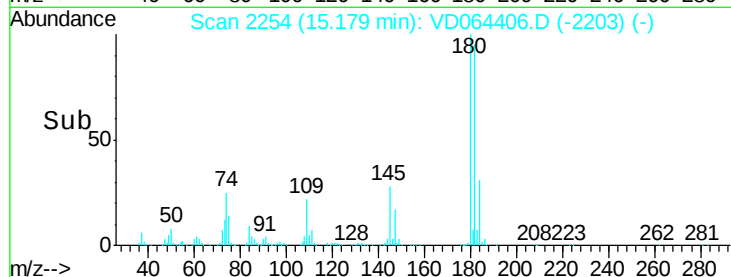
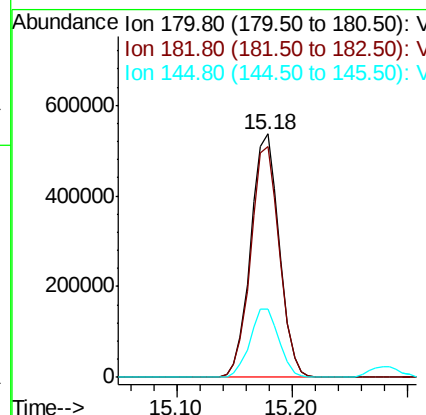
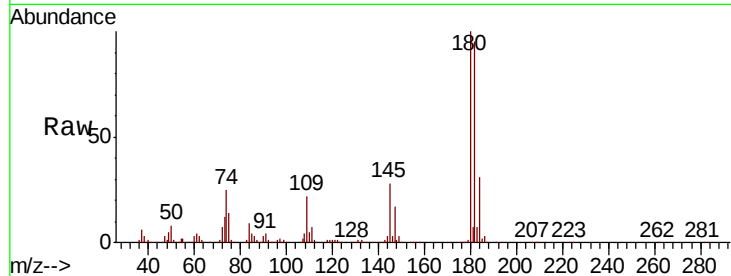
#93
 1,2,4-Trichlorobenzene
 Concen: 135.342 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD064406.D
 Acq: 27 Nov 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	923489		
182	95.4	47.4	142.3	
145	28.4	14.0	41.9	

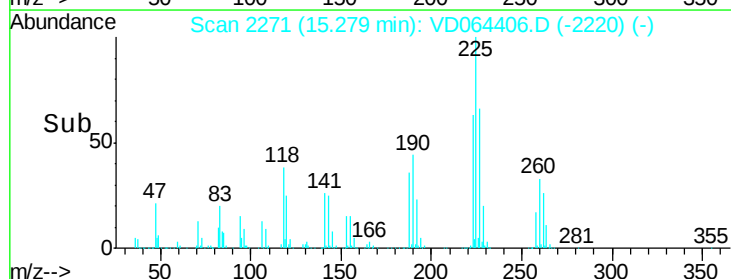
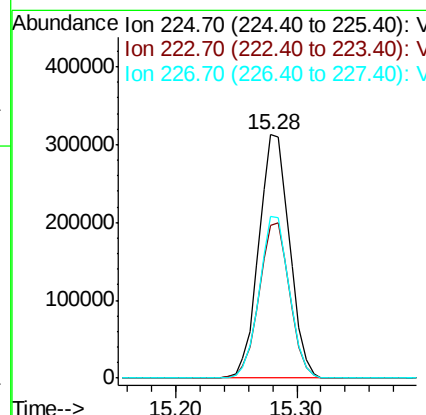
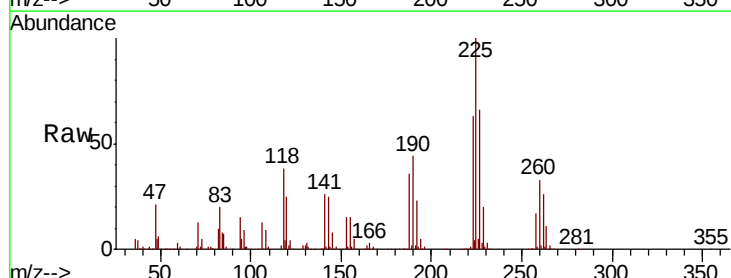
Manual Integrations
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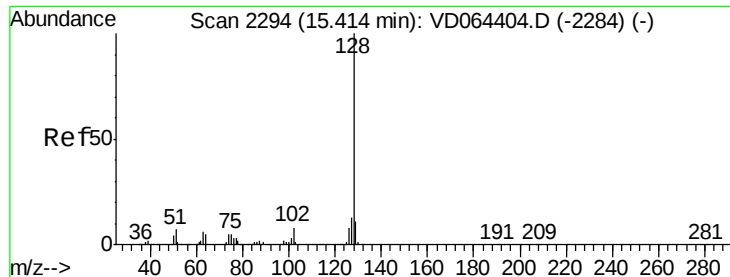
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#94
 Hexachlorobutadiene
 Concen: 126.510 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064406.D
 Acq: 27 Nov 2019 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	555470		
223	63.2	31.1	93.3	
227	64.9	31.8	95.4	





#95

Naphthalene

Concen: 141.534 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1594629

Ion Ratio Lower Upper

128 100

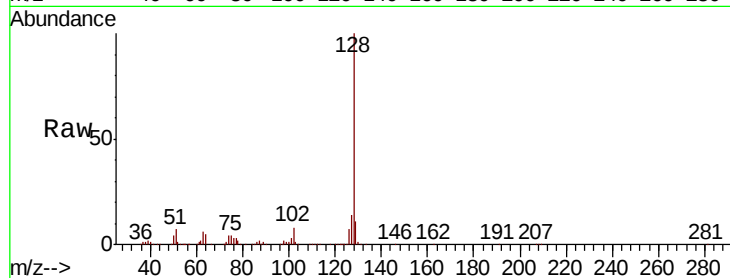
127 13.3 10.5 15.7

129 11.0 8.8 13.2

Manual Integrations
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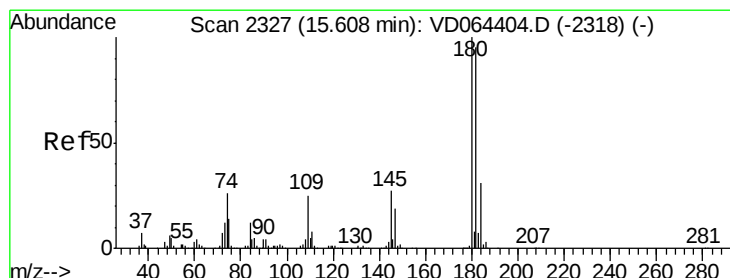
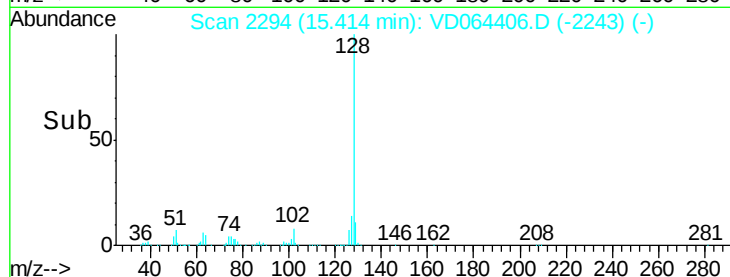
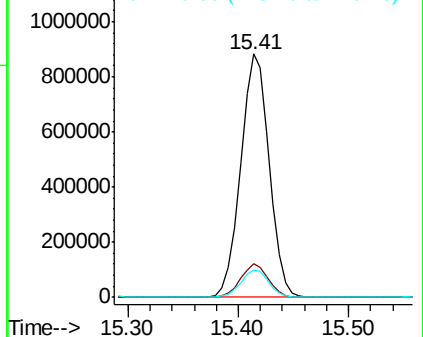
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 137.085 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD064406.D

Acq: 27 Nov 2019 20:14

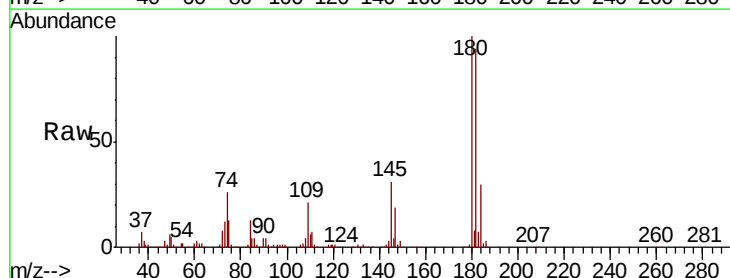
Tgt Ion:180 Resp: 800133

Ion Ratio Lower Upper

180 100

182 95.4 47.6 142.9

145 29.7 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

