

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064399.D
 Acq On : 27 Nov 2019 16:31
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:24 AM

Quant Time: Nov 29 07:41:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	519542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	736151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	637682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	332368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	650035	138.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.46%	
35) Dibromofluoromethane	7.92	113	635461	137.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	274.02%	
50) Toluene-d8	10.34	98	2519057	144.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.36%	
62) 4-Bromofluorobenzene	12.64	95	788580	140.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	623455	132.438	ug/l	100
3) Chloromethane	2.21	50	756233	127.365	ug/l	99
4) Vinyl Chloride	2.35	62	942855	137.532	ug/l	100
5) Bromomethane	2.74	94	682739	134.670	ug/l	97
6) Chloroethane	2.91	64	617885	134.844	ug/l	94
7) Trichlorofluoromethane	3.26	101	1546541	135.700	ug/l	97
8) Diethyl Ether	3.70	74	321435	135.727	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	658423	134.741	ug/l	98
10) Methyl Iodide	4.29	142	825500	159.969	ug/l	100
11) Tert butyl alcohol	5.26	59	207151	692.013	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	638052	136.252	ug/l	98
13) Acrolein	3.92	56	257575	630.845	ug/l	100
14) Allyl chloride	4.71	41	1008123	137.943	ug/l	99
15) Acrylonitrile	5.43	53	714165	689.606	ug/l	98
16) Acetone	4.17	43	684440	720.233	ug/l	99
17) Carbon Disulfide	4.40	76	2036799	137.330	ug/l	99
18) Methyl Acetate	4.72	43	390126	140.740	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	1492185	138.913	ug/l	99
20) Methylene Chloride	4.96	84	645566	141.869	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	724660	136.804	ug/l	96
22) Diisopropyl ether	6.37	45	1995401	138.306	ug/l	97
23) Vinyl Acetate	6.31	43	6235396	733.106	ug/l	100
24) 1,1-Dichloroethane	6.27	63	1179263	135.915	ug/l	98
25) 2-Butanone	7.22	43	975240	725.664	ug/l	98
26) 2,2-Dichloropropane	7.21	77	1065454	141.204	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	780081	135.079	ug/l	98
28) Bromochloromethane	7.55	49	461584	155.668	ug/l	99
29) Tetrahydrofuran	7.57	42	596378	697.487	ug/l	98
30) Chloroform	7.71	83	1223979	136.212	ug/l	99
31) Cyclohexane	7.98	56	1103841	155.390	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	1162429	139.533	ug/l	100
36) 1,1-Dichloropropene	8.11	75	993982	142.752	ug/l	99
37) Ethyl Acetate	7.30	43	423041	143.184	ug/l	99
38) Carbon Tetrachloride	8.10	117	1097111	149.290	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1254754	145.272	ug/l	97
40) Benzene	8.35	78	2747798	142.085	ug/l	99
41) Methacrylonitrile	7.53	41	202960	119.785	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	786143	139.392	ug/l	99
43) Isopropyl Acetate	8.46	43	839341	144.485	ug/l	99
44) Trichloroethene	9.11	130	811248	139.259	ug/l	99
45) 1,2-Dichloropropane	9.39	63	651980	140.966	ug/l	95
46) Dibromomethane	9.48	93	370877	142.077	ug/l	99
47) Bromodichloromethane	9.67	83	953807	142.203	ug/l	100
48) Methyl methacrylate	9.46	41	394543	148.423	ug/l	95
49) 1,4-Dioxane	9.47	88	90120	2795.753	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	2146838	746.901	ug/l	100
52) Toluene	10.41	92	1841508	146.112	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	943375	147.579	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	1084568	142.821	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	499138	139.643	ug/l	98
56) Ethyl methacrylate	10.67	69	681391	149.463	ug/l	99
57) 1,3-Dichloropropane	10.95	76	855193	140.551	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	1208424	664.935	ug/l	100
59) 2-Hexanone	10.99	43	1520273	762.245	ug/l	100
60) Dibromochloromethane	11.14	129	689283	142.228	ug/l	99
61) 1,2-Dibromoethane	11.25	107	502273	140.737	ug/l	99
64) Tetrachloroethene	10.88	164	705567	145.094	ug/l	99
65) Chlorobenzene	11.67	112	1903903	143.151	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	732405	148.757	ug/l	99
67) Ethyl Benzene	11.75	91	3498052	147.824	ug/l	99
68) m/p-Xylenes	11.86	106	2715802	300.996	ug/l	100
69) o-Xylene	12.18	106	1236585	148.396	ug/l	98
70) Styrene	12.20	104	2199561	151.896	ug/l	100
71) Bromoform	12.37	173	441036	149.725	ug/l #	98
73) Isopropylbenzene	12.48	105	3431451	143.550	ug/l	100
74) N-amyl acetate	12.30	43	795525	146.630	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	538060	136.113	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	360650m	131.947	ug/l	
77) Bromobenzene	12.77	156	825491	139.841	ug/l	99
78) n-propylbenzene	12.83	91	3925655	142.332	ug/l	100
79) 2-Chlorotoluene	12.91	91	2147717	141.518	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	2834673	145.112	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	192906	153.894	ug/l	98
82) 4-Chlorotoluene	13.01	91	2287652	142.369	ug/l	100
83) tert-Butylbenzene	13.23	119	2454822	144.548	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	2819346	143.533	ug/l	99
85) sec-Butylbenzene	13.41	105	3382909	145.136	ug/l	99
86) p-Isopropyltoluene	13.53	119	3252661	147.812	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1598539	142.677	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1545157	139.688	ug/l	99
89) n-Butylbenzene	13.86	91	2911435	145.691	ug/l	99
90) Hexachloroethane	14.12	117	584195	141.938	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	1348562	140.841	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	88842	160.055	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	982445	133.975	ug/l	98
94) Hexachlorobutadiene	15.28	225	635918	140.473	ug/l	99
95) Naphthalene	15.41	128	1724339	140.901	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	858965	137.225	ug/l	99

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

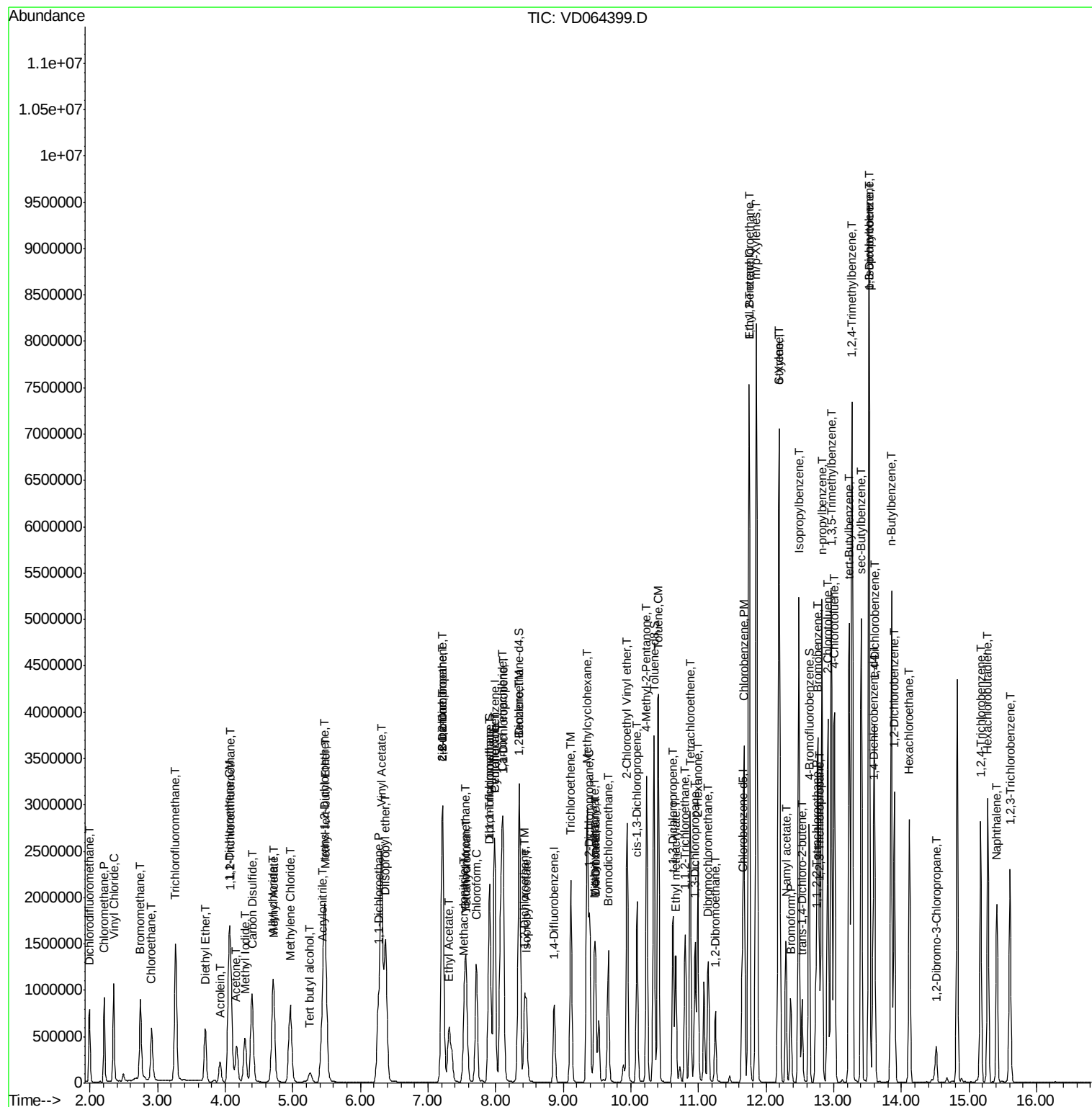
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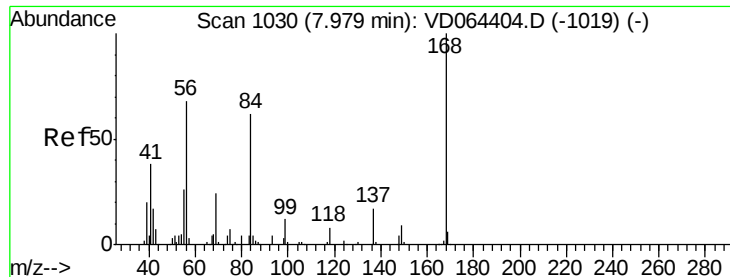
Instrument :
MSVOA_D
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 519542

Ion Ratio Lower Upper

168 100

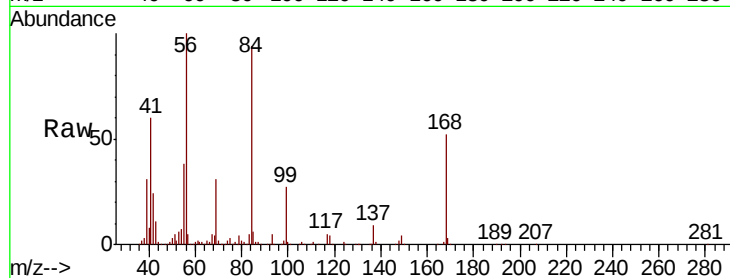
99 50.8 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

300000

200000

100000

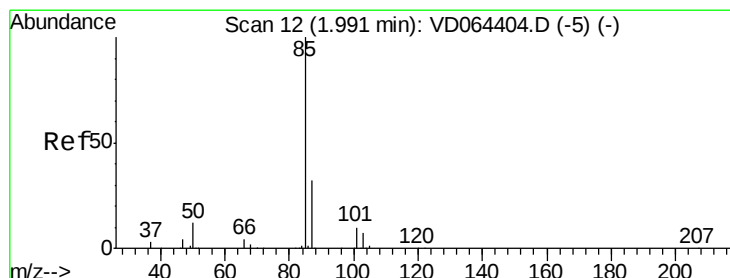
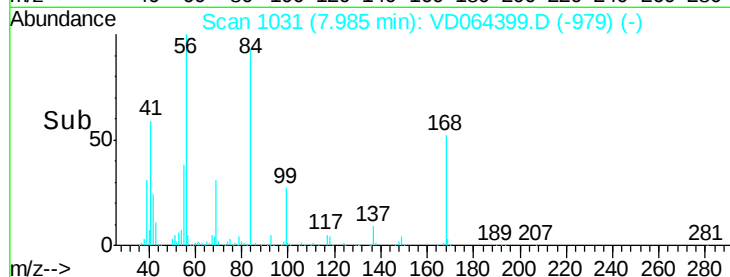
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 132.438 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064399.D

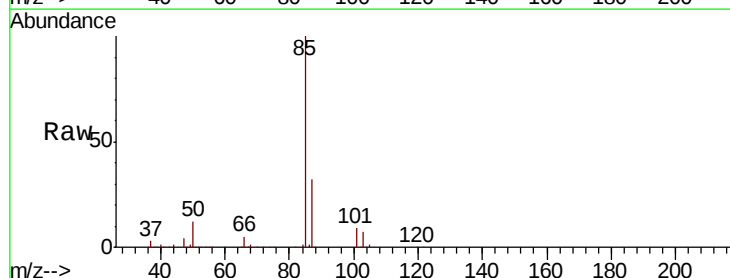
Acq: 27 Nov 2019 16:31

Tgt Ion: 85 Resp: 623455

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

500000

400000

300000

200000

100000

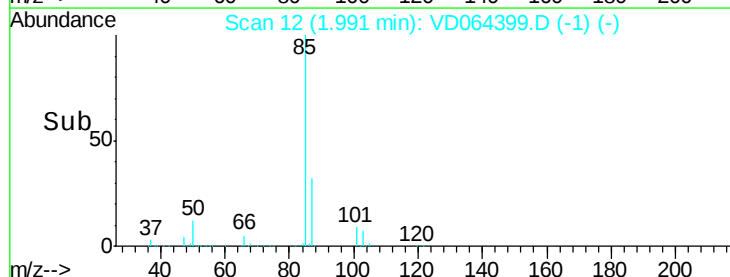
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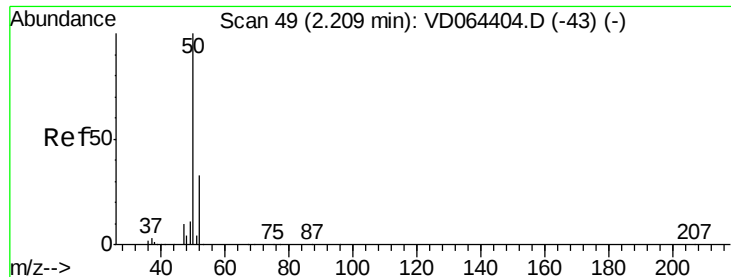
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 127.365 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 756233

Ion Ratio Lower Upper

50 100

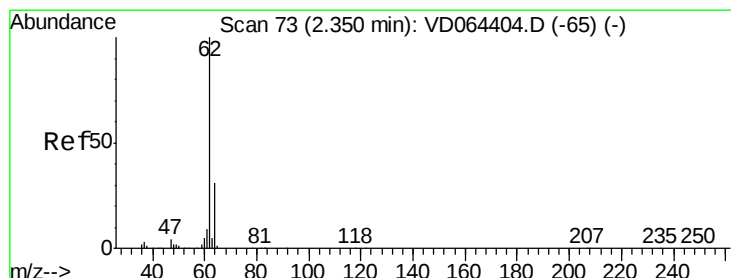
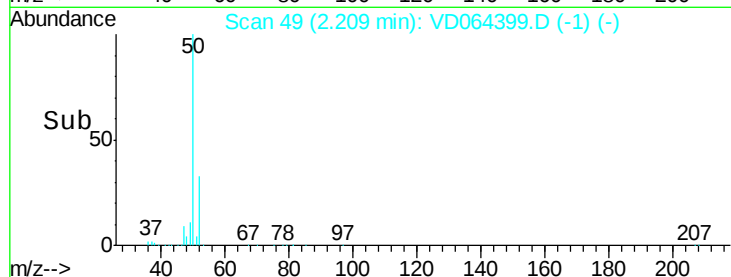
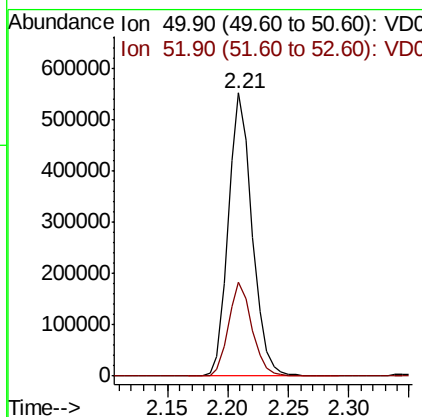
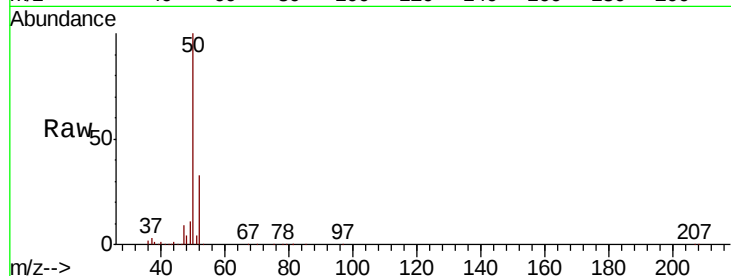
52 33.1 26.7 40.1

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#4

Vinyl Chloride

Concen: 137.532 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064399.D

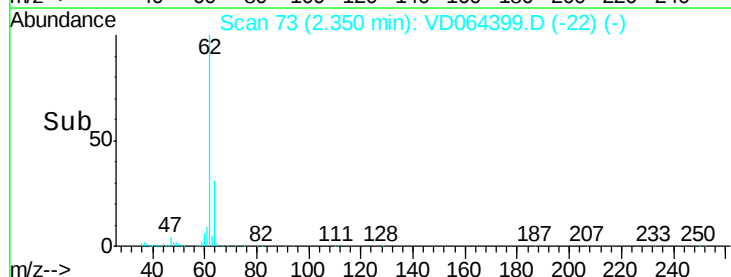
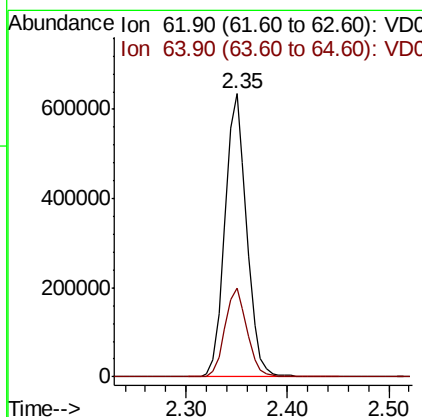
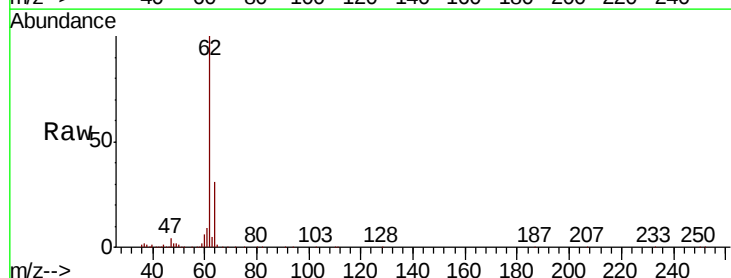
Acq: 27 Nov 2019 16:31

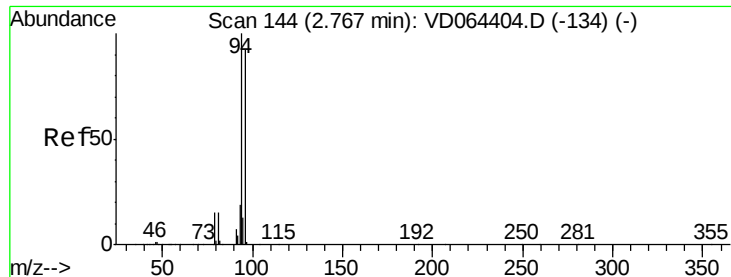
Tgt Ion: 62 Resp: 942855

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.4





#5

Bromomethane

Concen: 134.670 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.02 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 682739

Ion Ratio Lower Upper

94 100

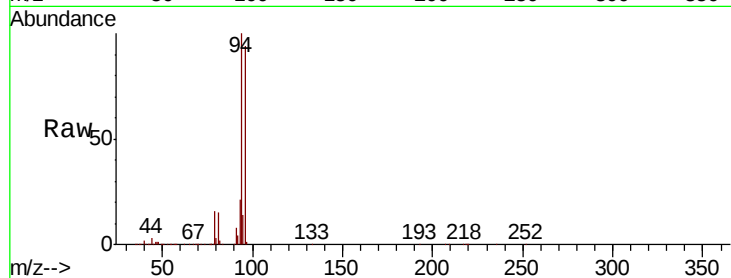
96 94.4 73.6 110.4

Manual Integrations

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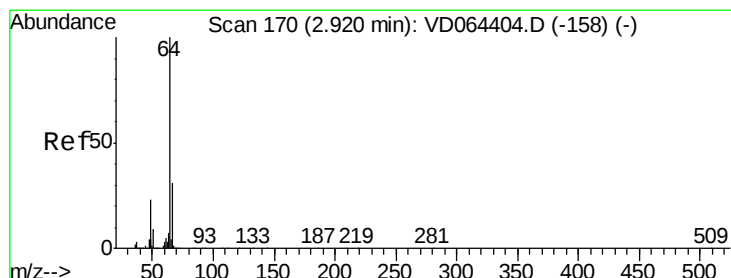
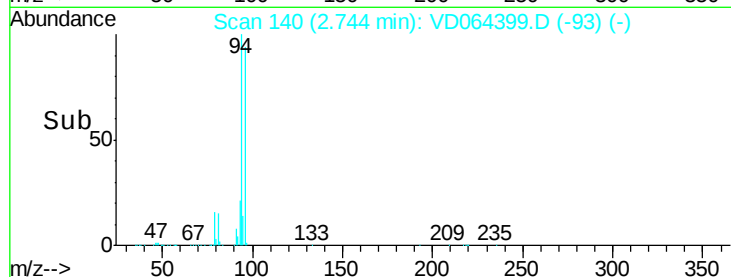
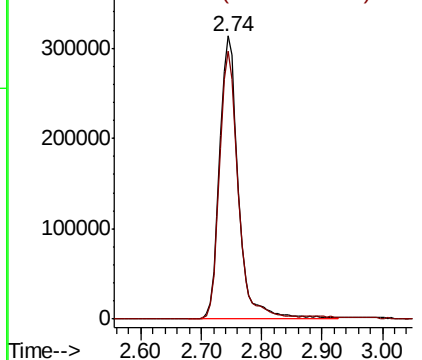
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 134.844 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD064399.D

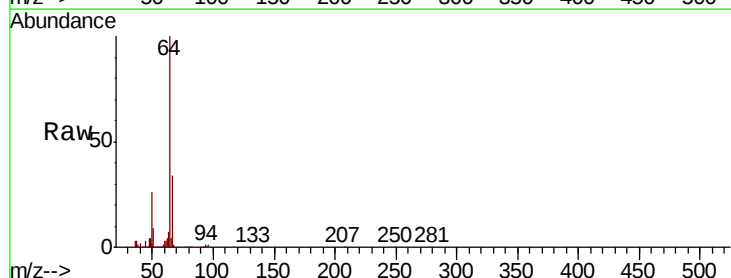
Acq: 27 Nov 2019 16:31

Tgt Ion: 64 Resp: 617885

Ion Ratio Lower Upper

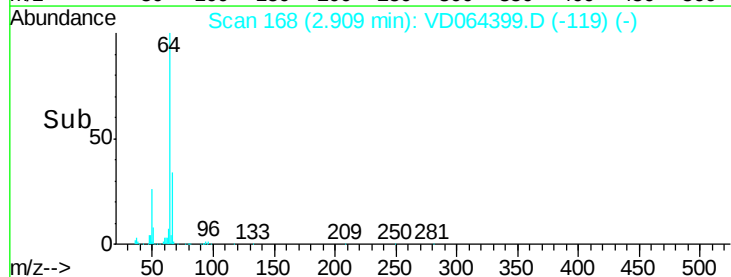
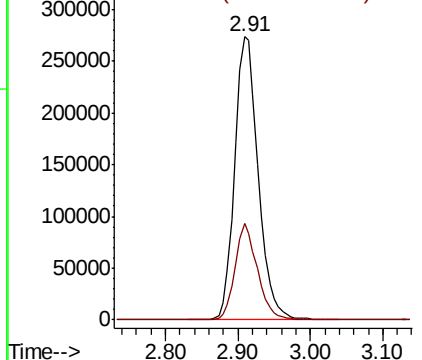
64 100

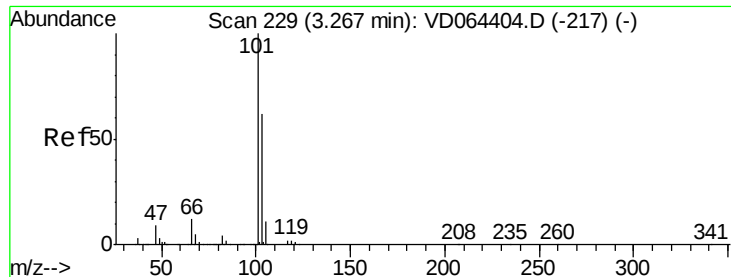
66 33.9 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

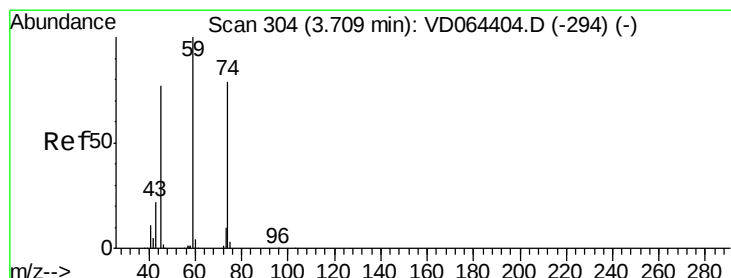
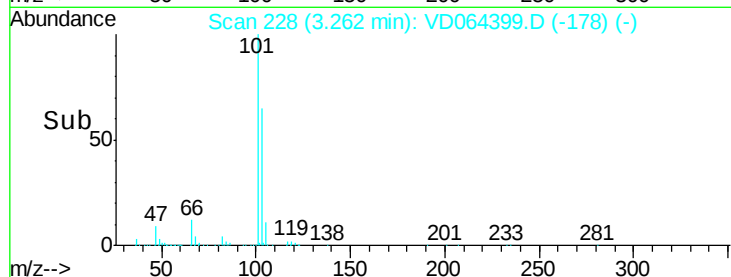
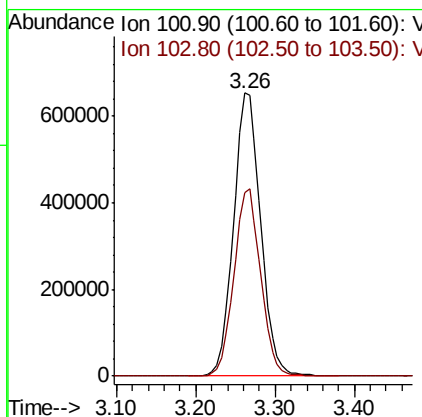
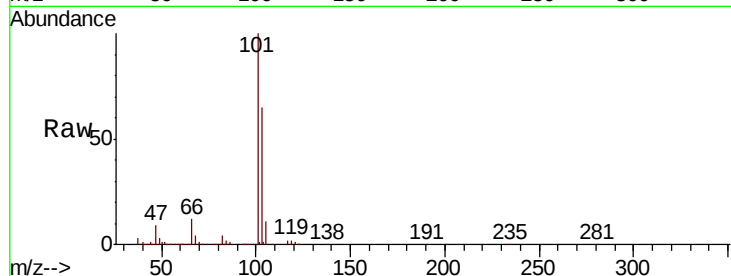
Trichlorofluoromethane
Concen: 135.700 ug/l
RT: 3.26 min Scan# 228
Delta R.T. -0.01 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	49.8	74.6

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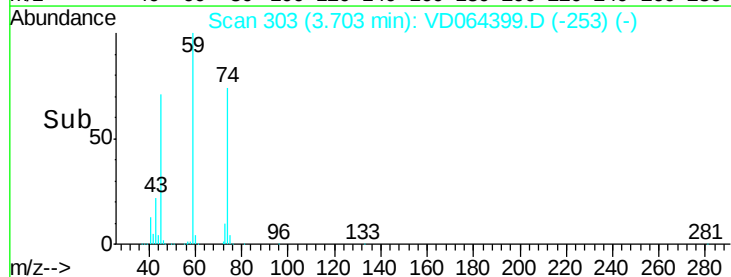
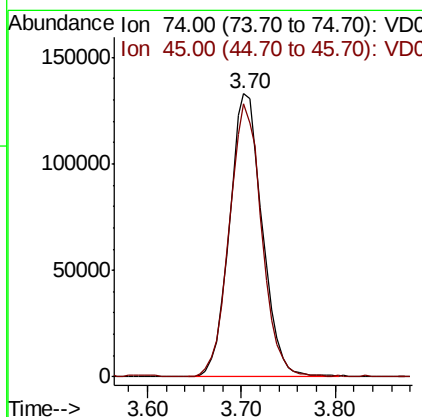
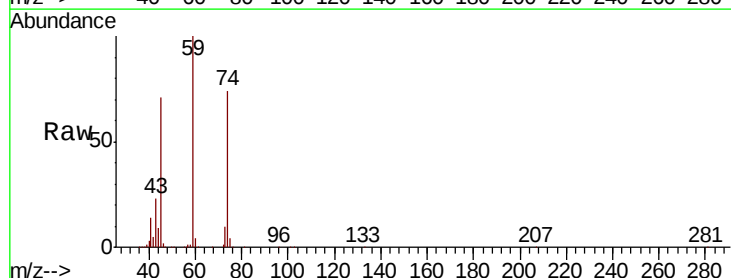
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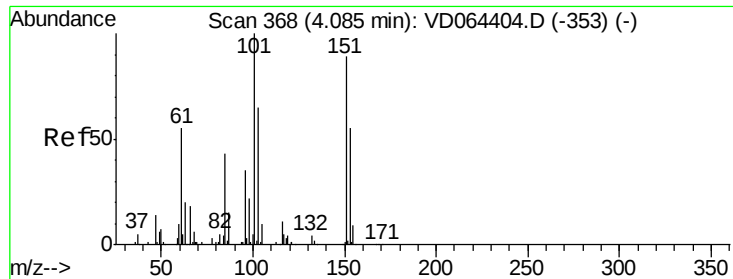


#8

Diethyl Ether
Concen: 135.727 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 134.741 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

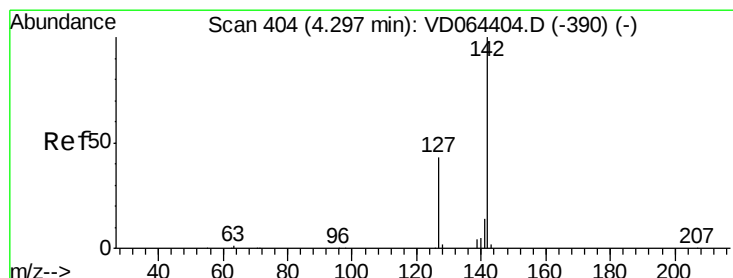
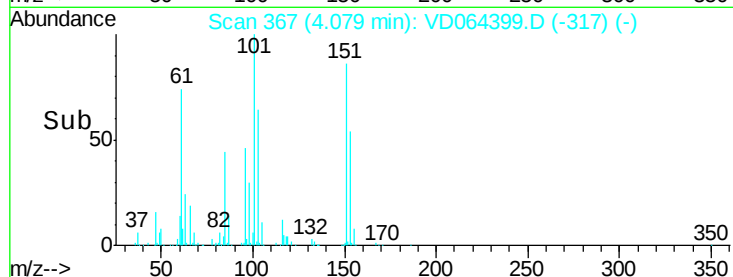
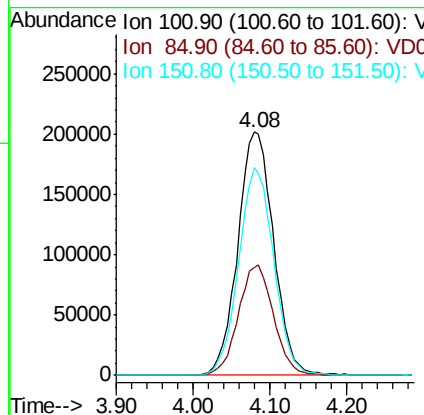
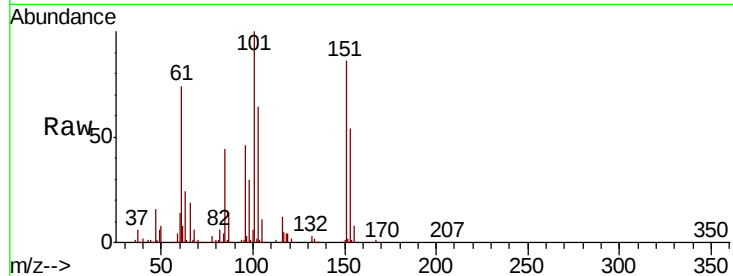
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.4	34.8	52.2
151	84.0	68.8	103.2

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#10

Methyl Iodide

Concen: 159.969 ug/l

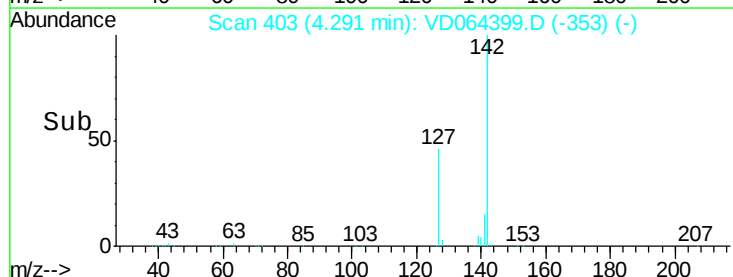
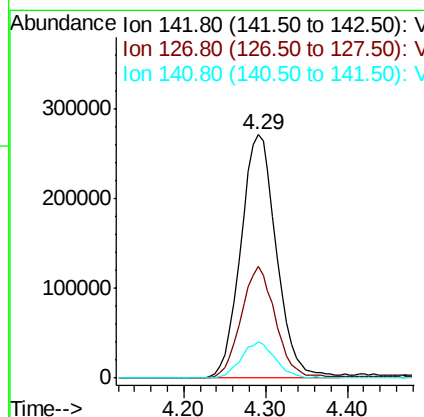
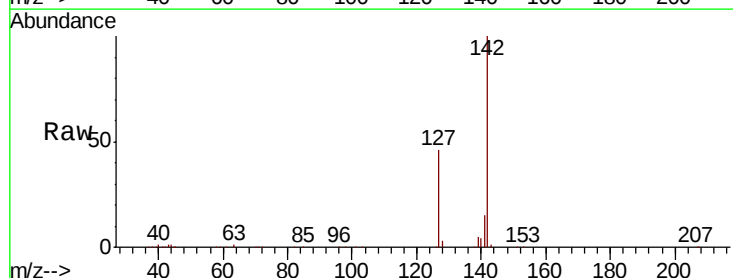
RT: 4.29 min Scan# 403

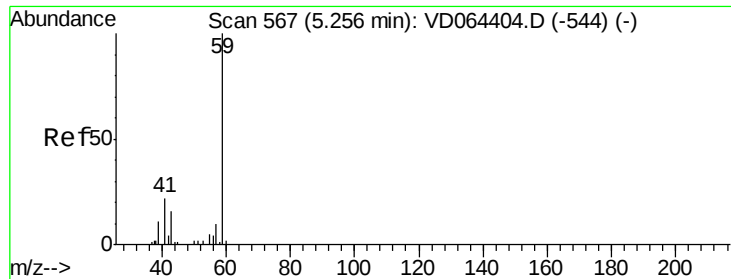
Delta R.T. -0.01 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.0	35.3	52.9
141	14.3	11.6	17.4





#11

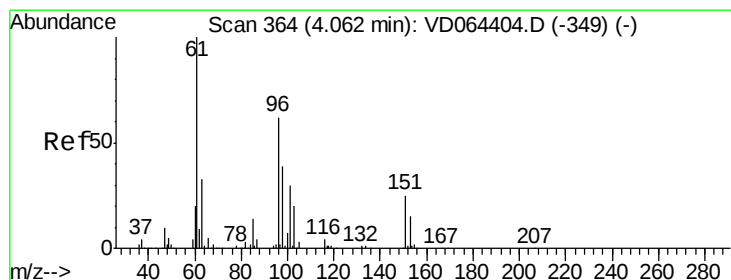
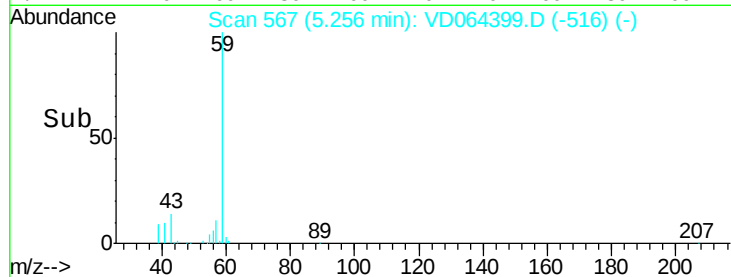
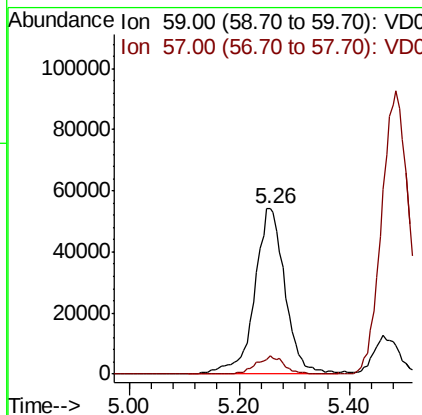
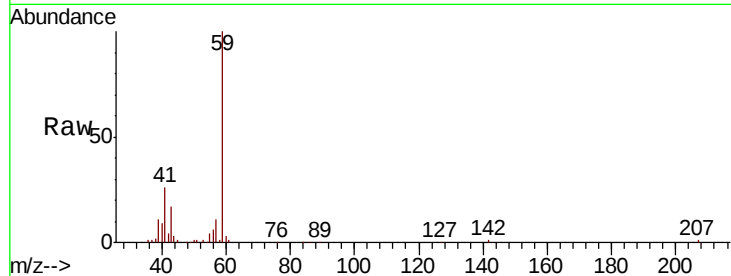
Tert butyl alcohol
Concen: 692.013 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Instrument :
MSVOA_D
ClientSampled :
VSTDIC150

Tot Ion: 59 Resp: 207151
Ion Ratio Lower Upper
59 100
57 10.3 0.0 0.0#

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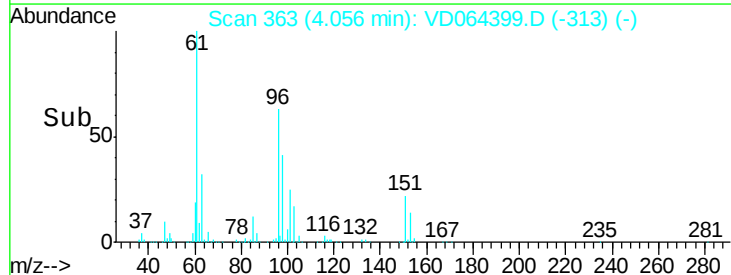
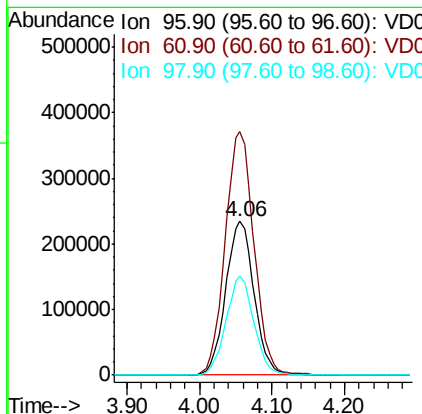
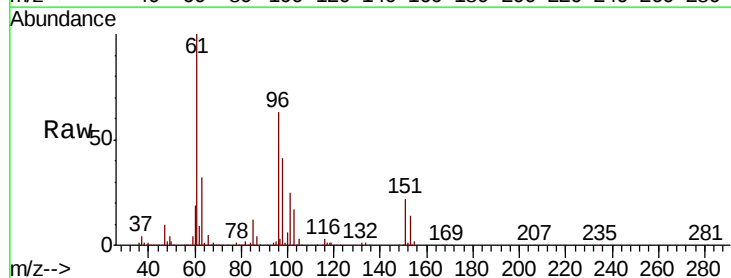
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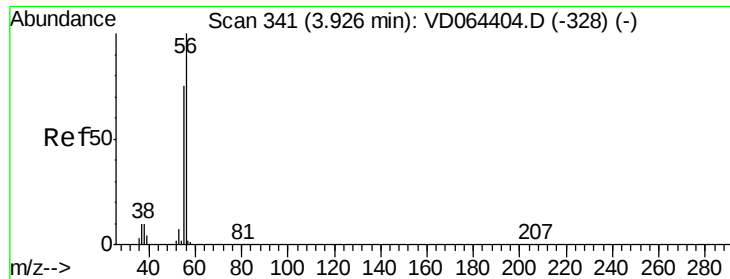


#12

1,1-Dichloroethene
Concen: 136.252 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion: 96 Resp: 638052
Ion Ratio Lower Upper
96 100
61 158.5 128.2 192.4
98 64.7 50.4 75.6





#13

Acrolein

Concen: 630.845 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 257575

Ion Ratio Lower Upper

56 100

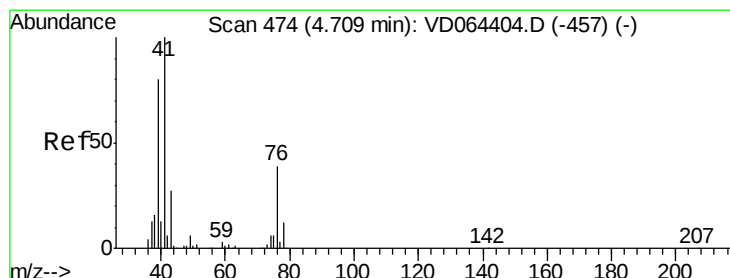
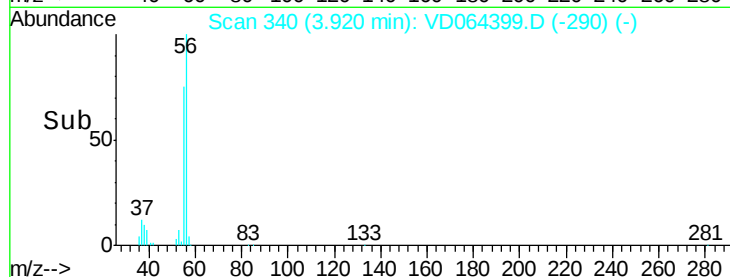
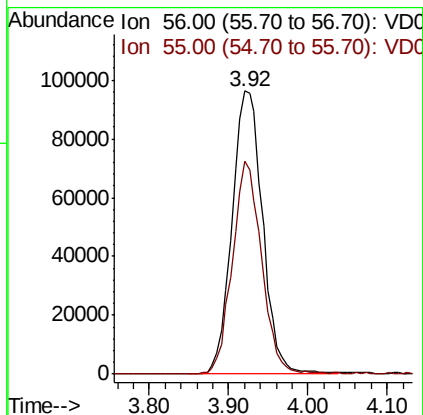
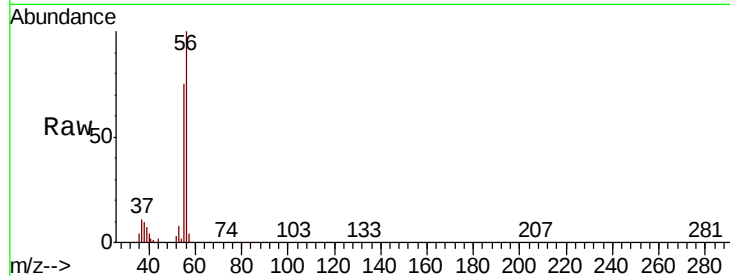
55 71.0 56.9 85.3

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#14

Allyl chloride

Concen: 137.943 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

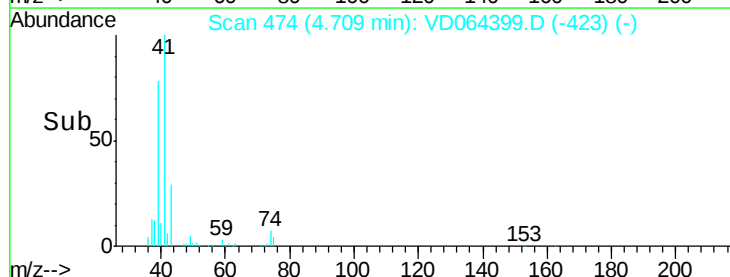
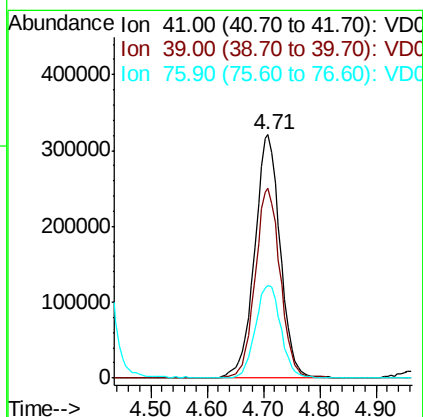
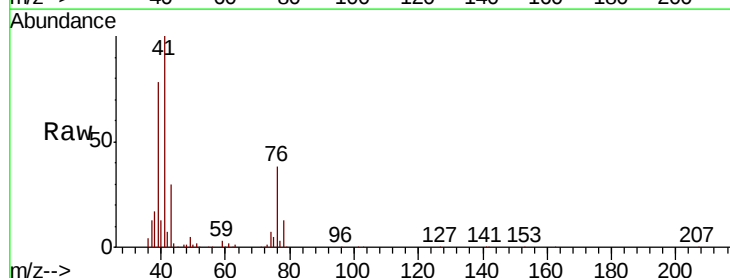
Tgt Ion: 41 Resp: 1008123

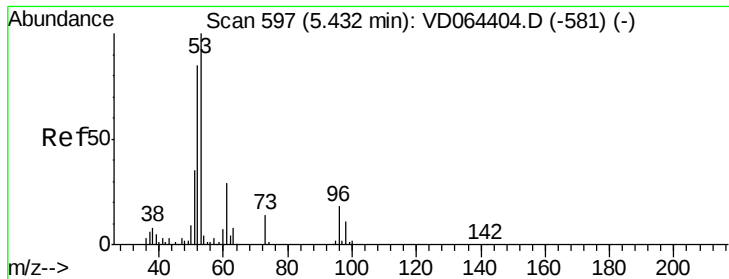
Ion Ratio Lower Upper

41 100

39 76.4 62.1 93.1

76 37.5 29.8 44.8





#15

Acrylonitrile

Concen: 689.606 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

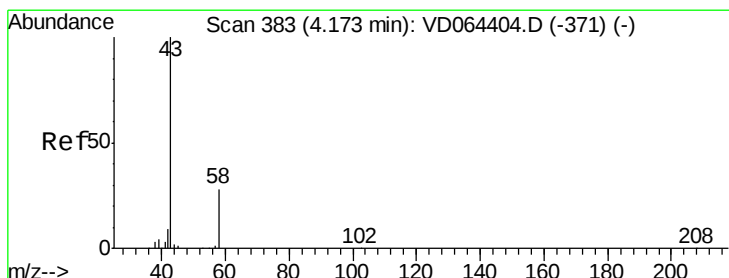
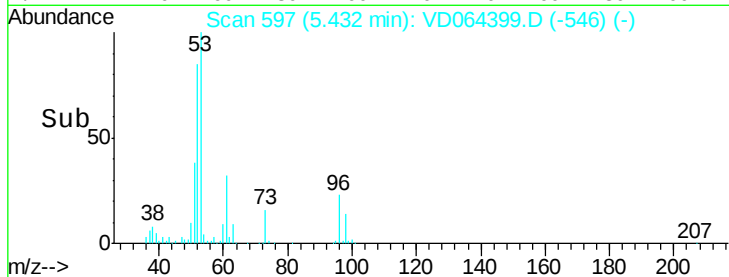
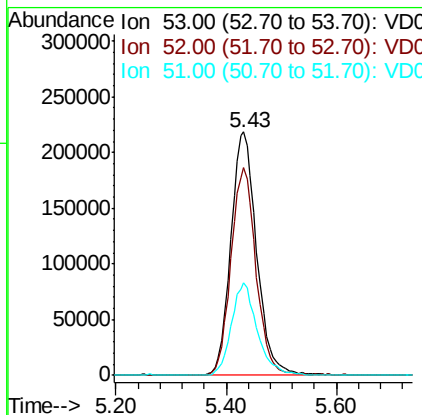
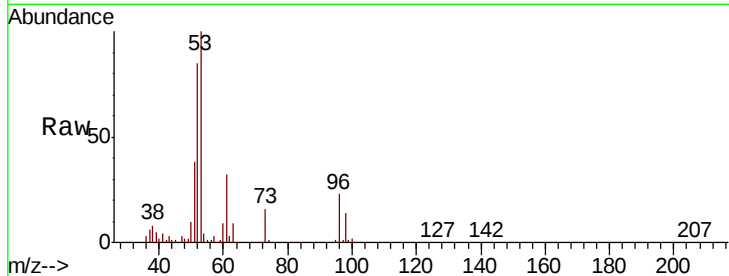
ClientSampleID :

VSTDIC150

Tot Ion:	53	Resp:	714165
Ion Ratio	Lower	Upper	
53	100		
52	82.6	67.9	101.9
51	37.9	30.6	45.8

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#16

Acetone

Concen: 720.233 ug/l

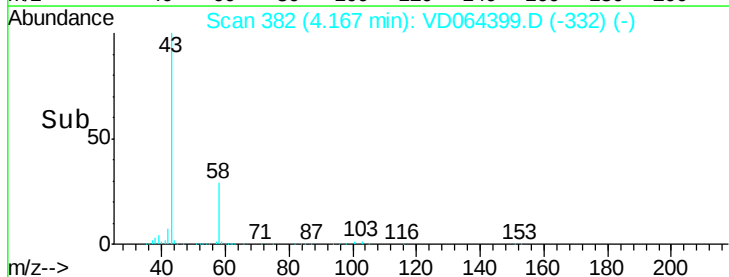
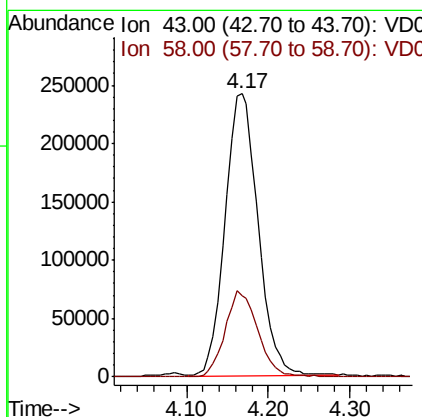
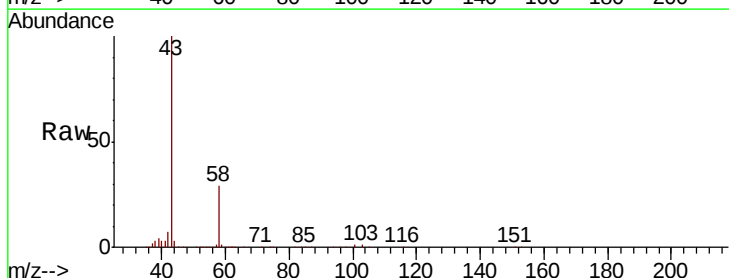
RT: 4.17 min Scan# 382

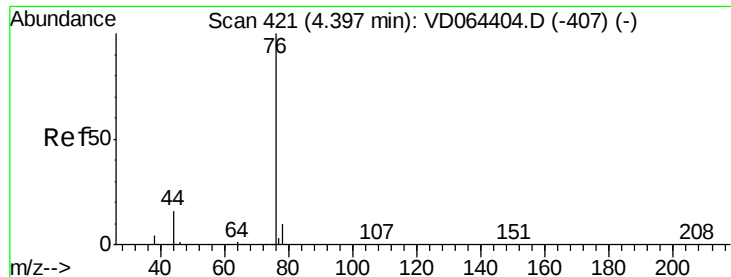
Delta R.T. -0.01 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Tgt Ion:	43	Resp:	684440
Ion Ratio	Lower	Upper	
43	100		
58	28.6	22.6	33.8





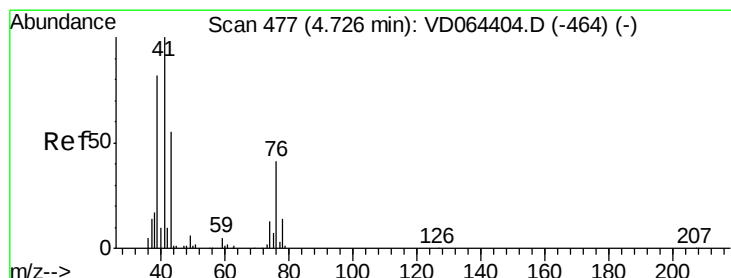
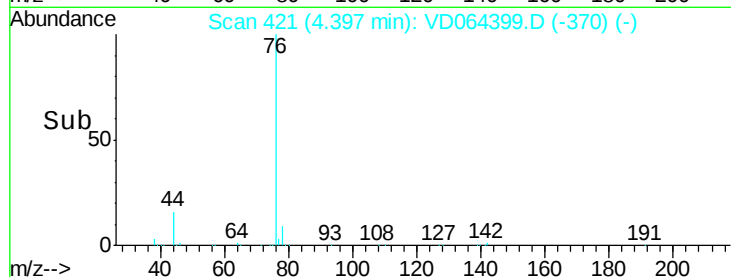
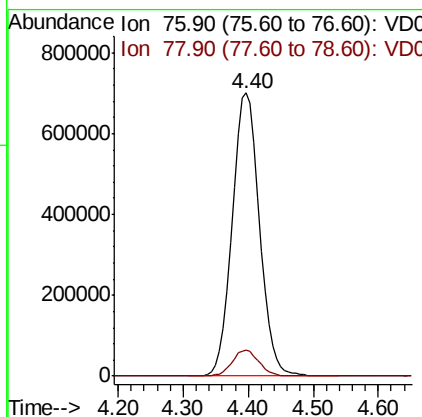
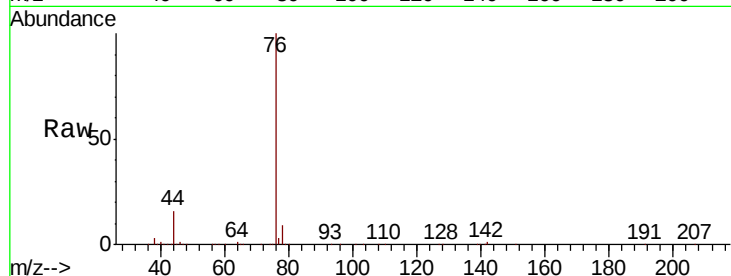
#17
Carbon Disulfide
Concen: 137.330 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 2036799
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.8

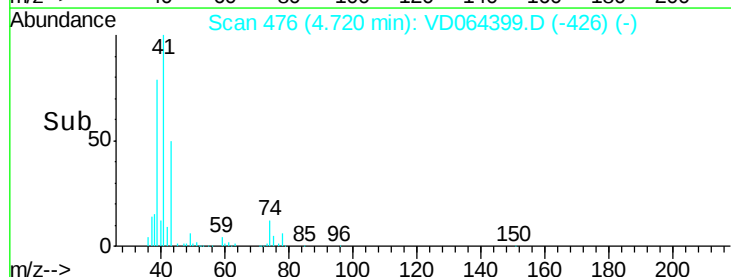
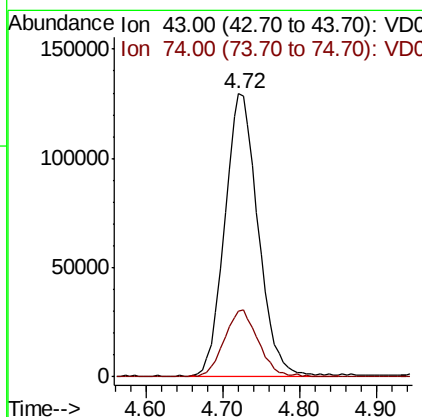
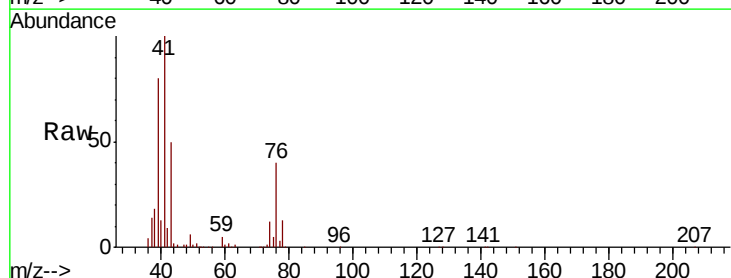
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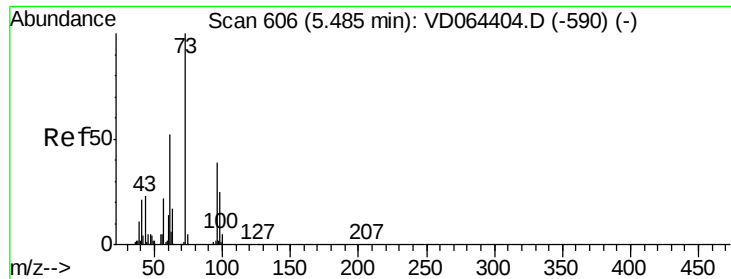
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#18
Methyl Acetate
Concen: 140.740 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion: 43 Resp: 390126
Ion Ratio Lower Upper
43 100
74 24.5 19.7 29.5





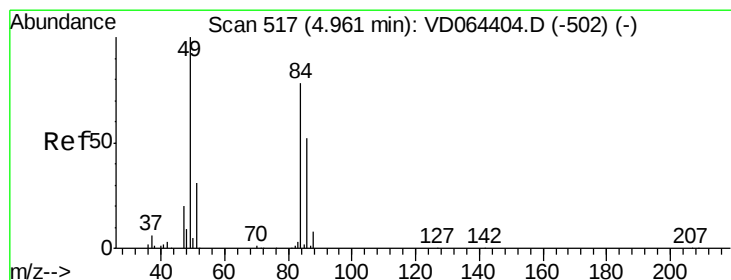
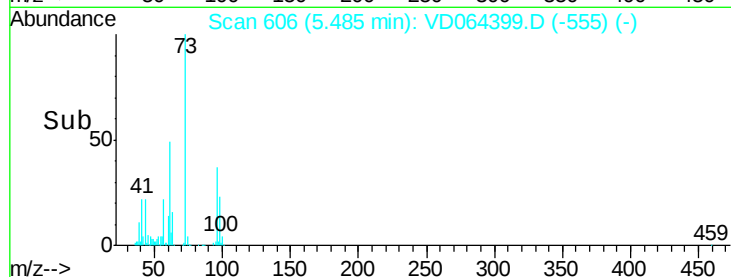
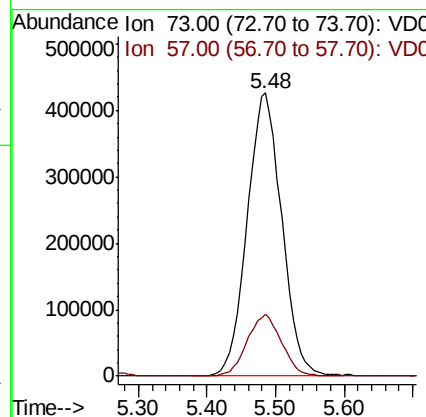
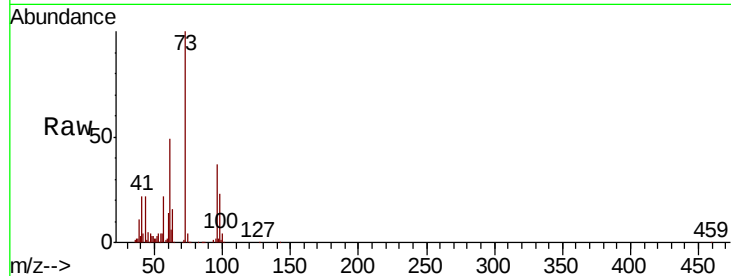
#19
Methyl tert-butyl Ether
Concen: 138.913 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1492185
Ion Ratio Lower Upper
73 100
57 21.7 17.6 26.4

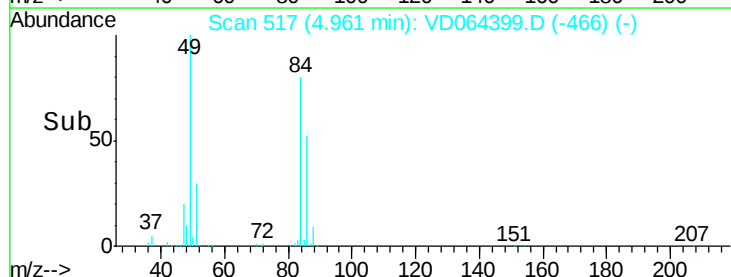
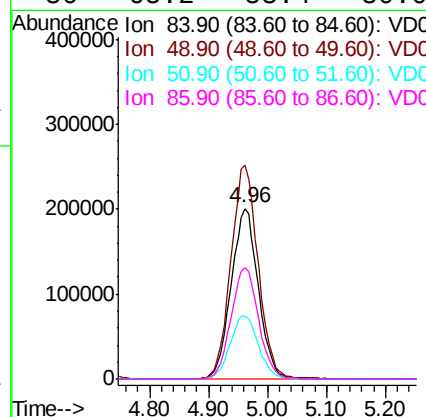
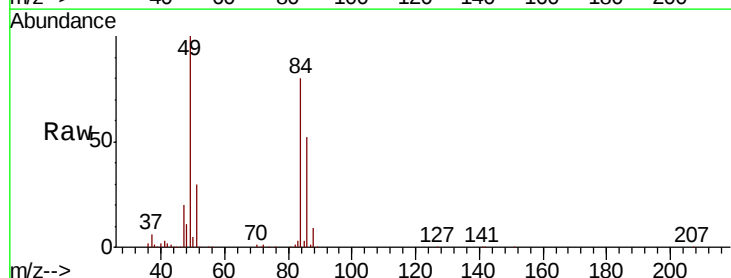
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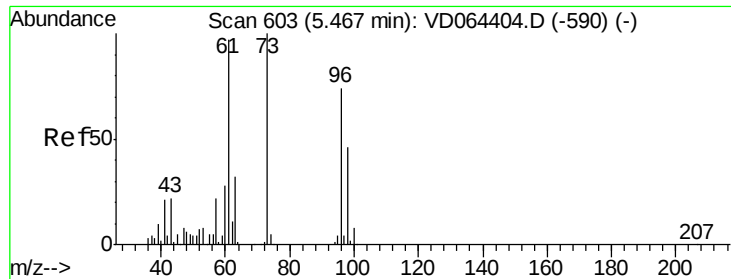
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#20
Methylene Chloride
Concen: 141.869 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion: 84 Resp: 645566
Ion Ratio Lower Upper
84 100
49 125.1 102.6 153.8
51 36.9 32.0 48.0
86 65.2 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 136.804 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

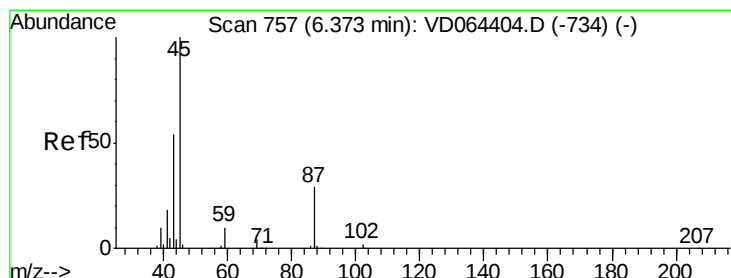
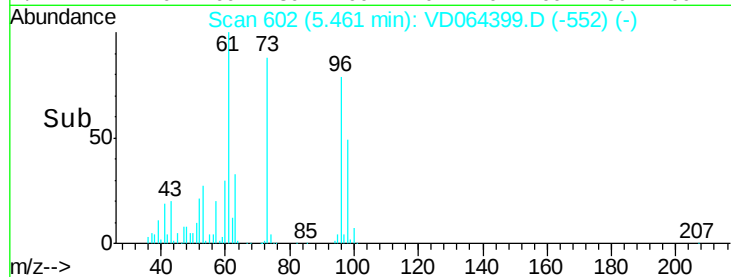
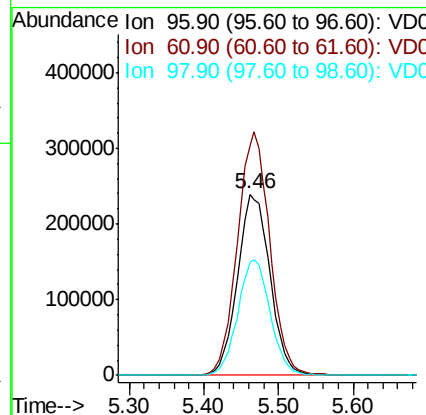
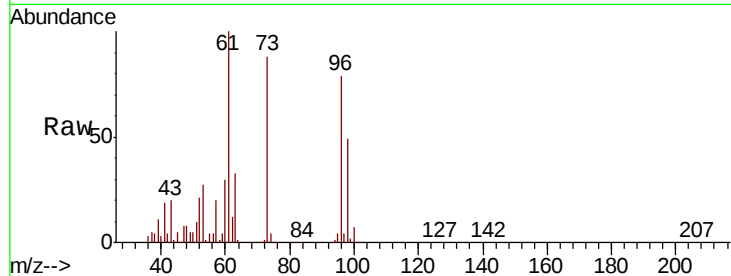
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	724660
Ion	Ratio	Lower	Upper
96	100		
61	126.3	105.8	158.6
98	62.3	50.1	75.1

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#22

Diisopropyl ether

Concen: 138.306 ug/l

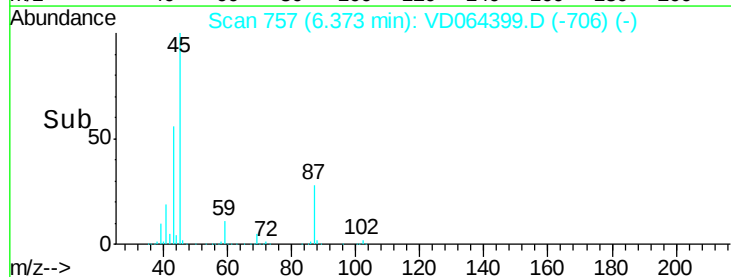
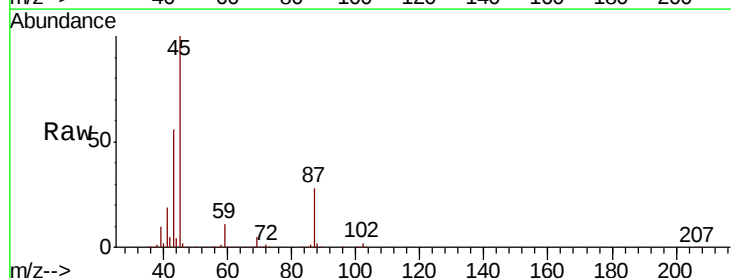
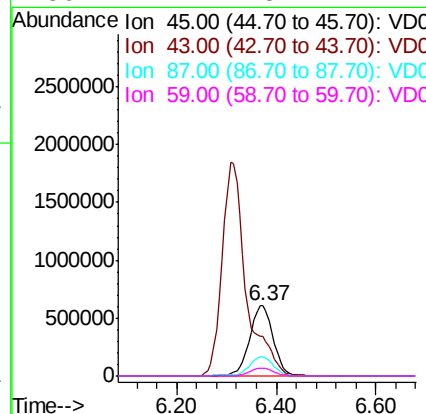
RT: 6.37 min Scan# 757

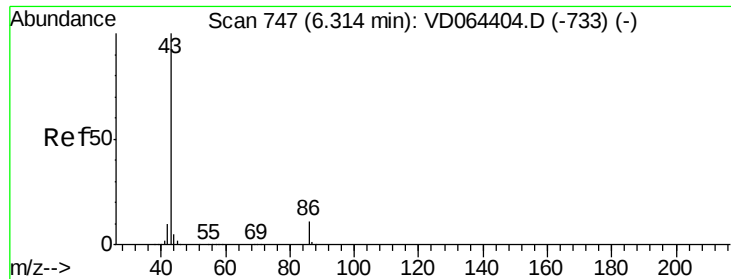
Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Tgt Ion:	45	Resp:	1995401
Ion	Ratio	Lower	Upper
45	100		
43	55.9	43.1	64.7
87	27.7	23.5	35.3
59	11.2	8.2	12.2





#23

Vinyl Acetate

Concen: 733.106 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6235396

Ion Ratio Lower Upper

43 100

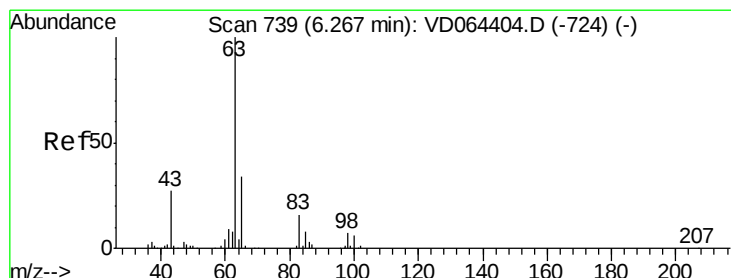
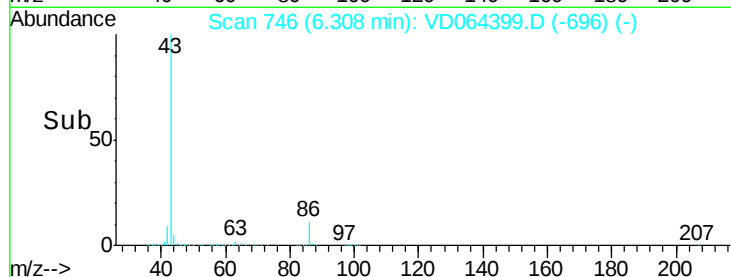
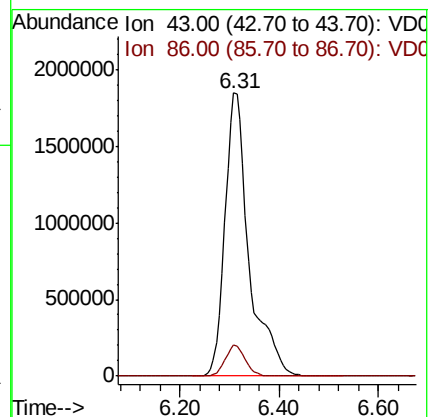
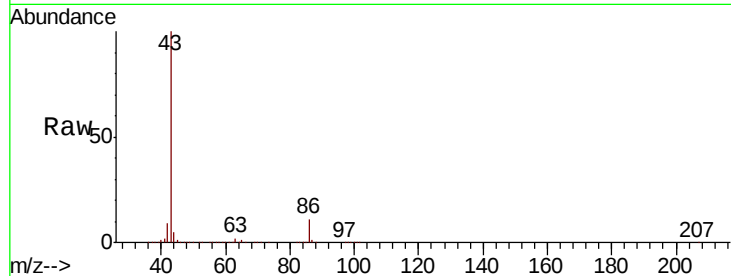
86 11.0 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 135.915 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

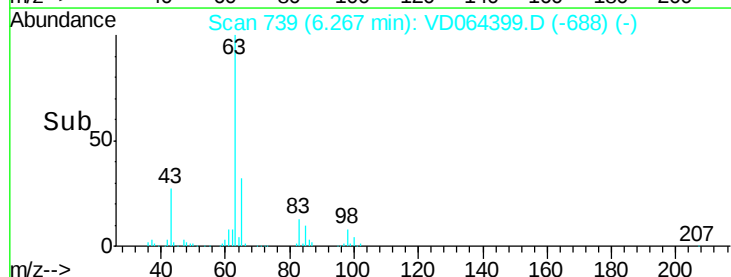
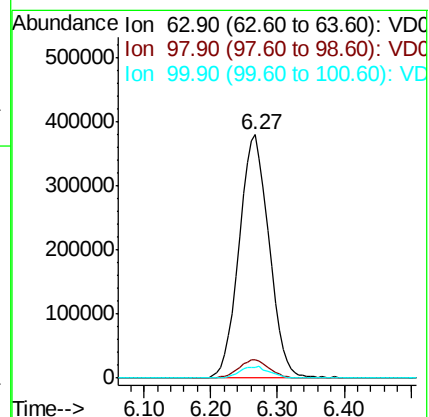
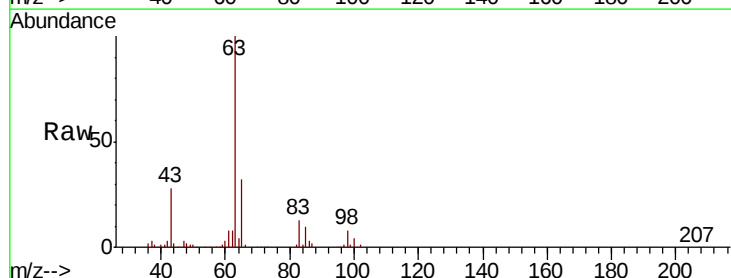
Tgt Ion: 63 Resp: 1179263

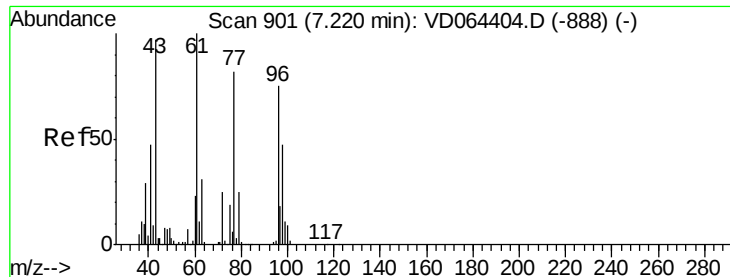
Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.9

100 4.5 2.9 8.6





#25

2-Butanone

Concen: 725.664 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 975240

Ion Ratio Lower Upper

43 100

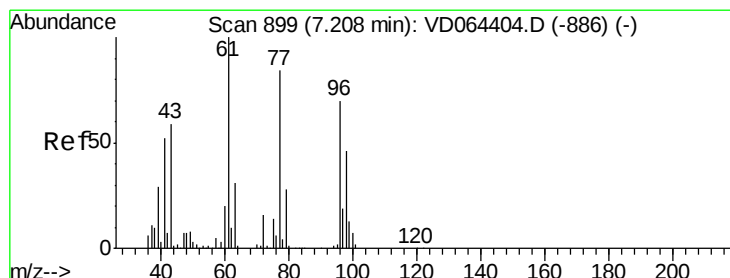
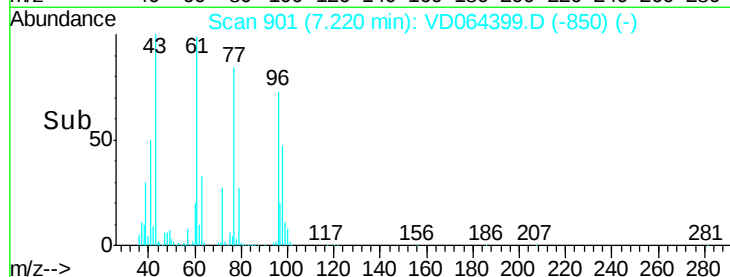
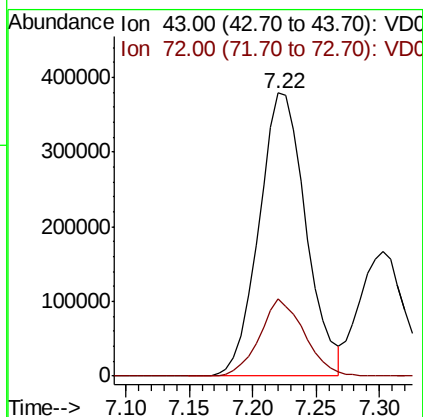
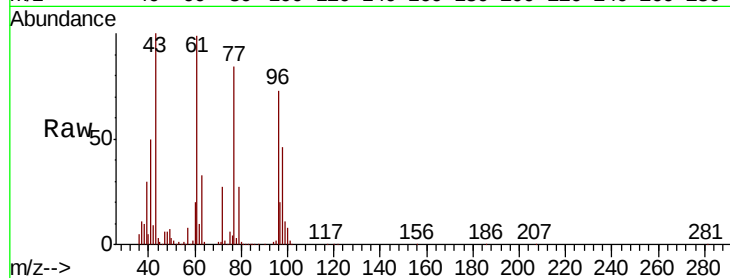
72 27.1 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 141.204 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064399.D

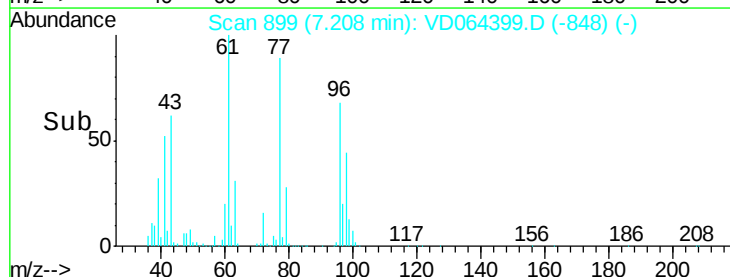
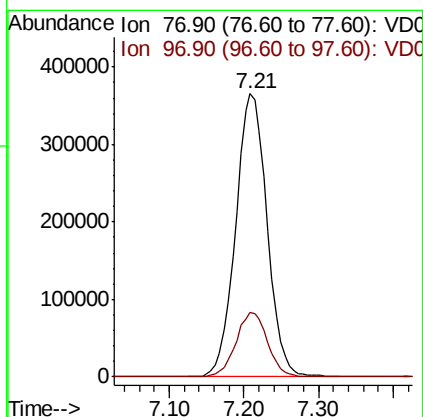
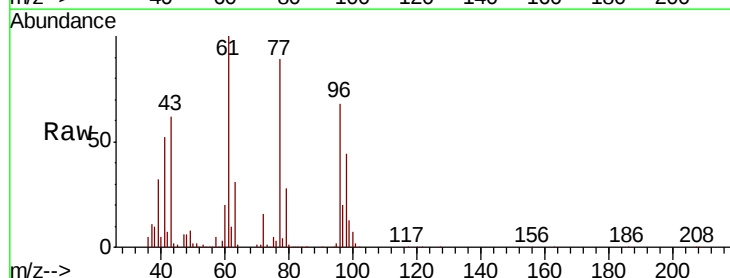
Acq: 27 Nov 2019 16:31

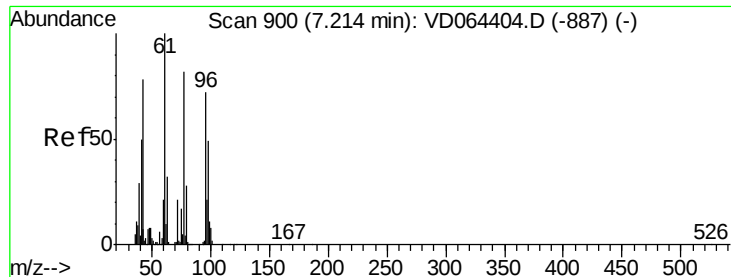
Tgt Ion: 77 Resp: 1065454

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.7





#27

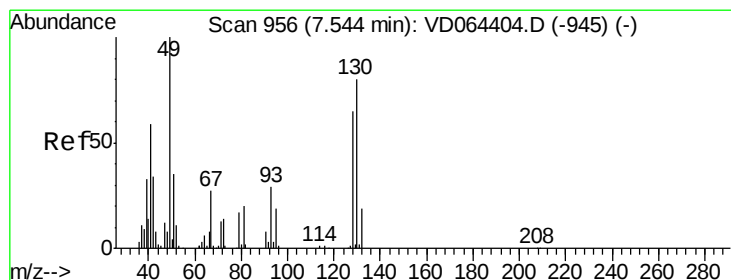
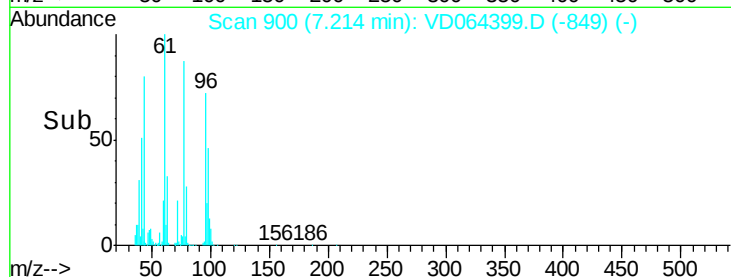
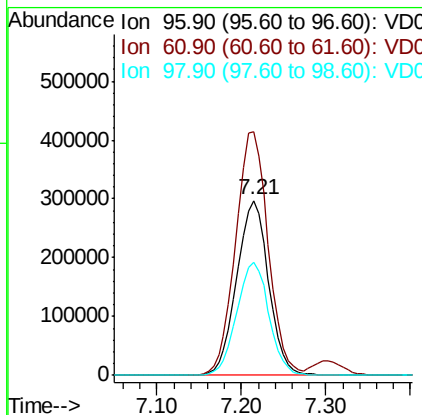
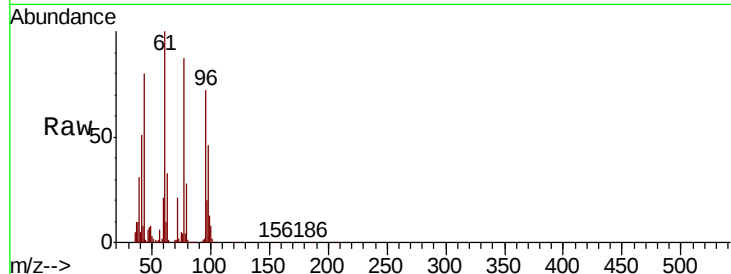
cis-1,2-Dichloroethene
Concen: 135.079 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	780081		
61	142.2	0.0	279.6	
98	65.2	0.0	129.2	

Manual Integrations
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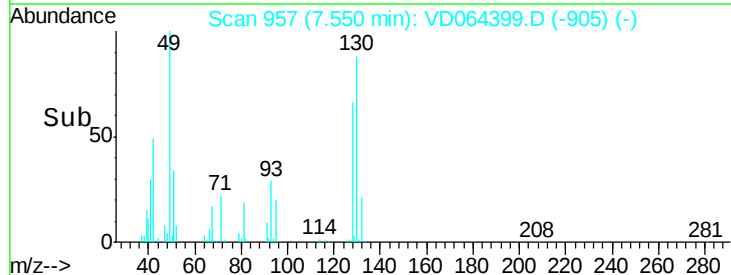
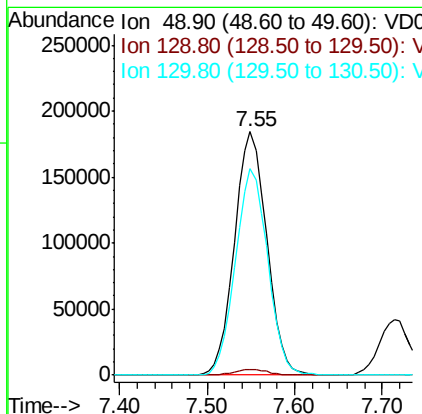
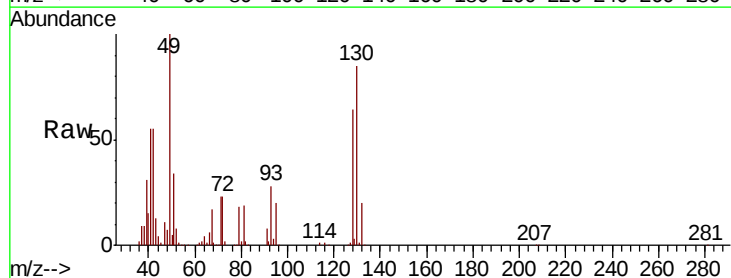
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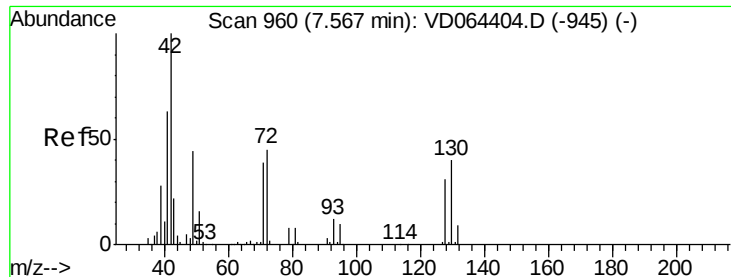


#28

Bromochloromethane
Concen: 155.668 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	461584		
129	2.5	0.0	4.4	
130	84.9	67.4	101.0	





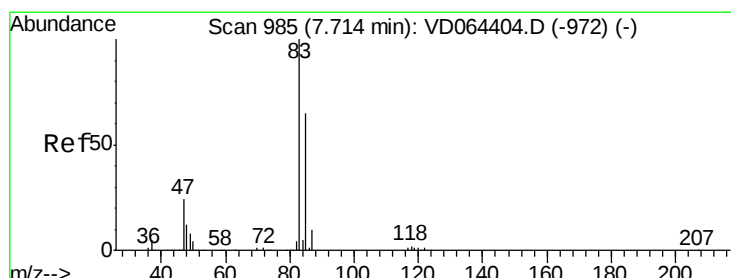
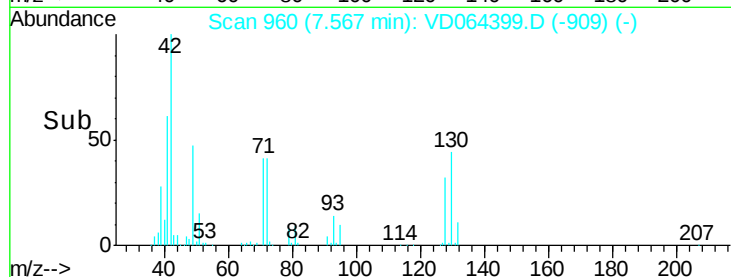
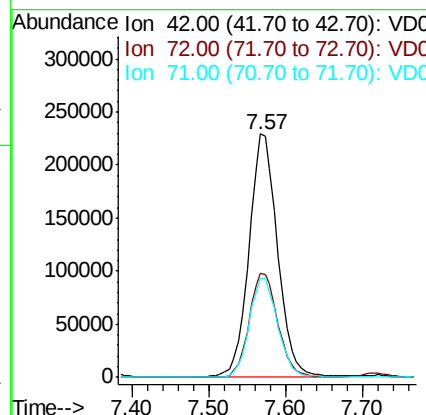
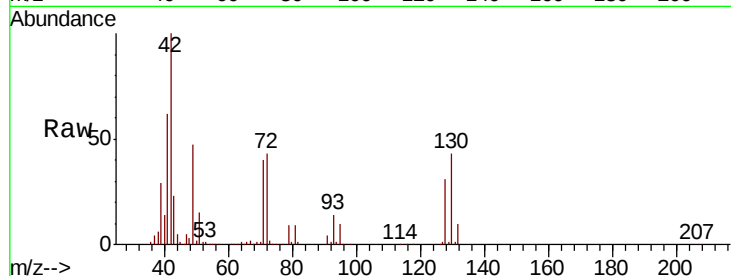
#29
Tetrahydrofuran
Concen: 697.487 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	35.8	53.8
71	40.6	32.7	49.1

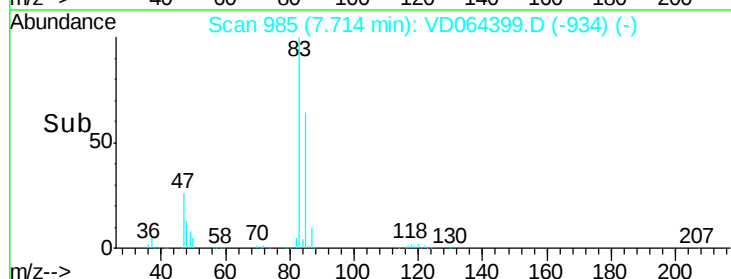
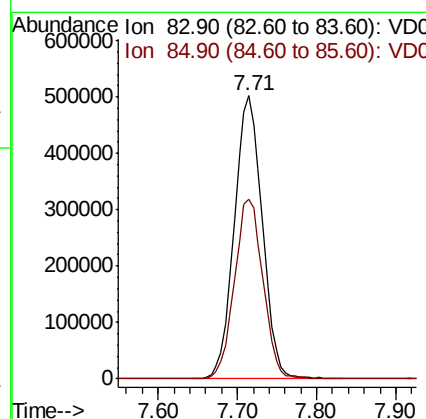
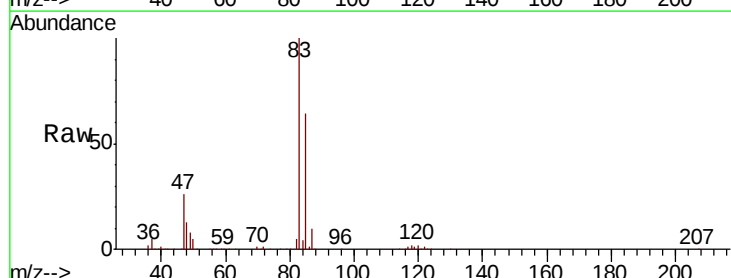
Manual Integrations
APPROVED

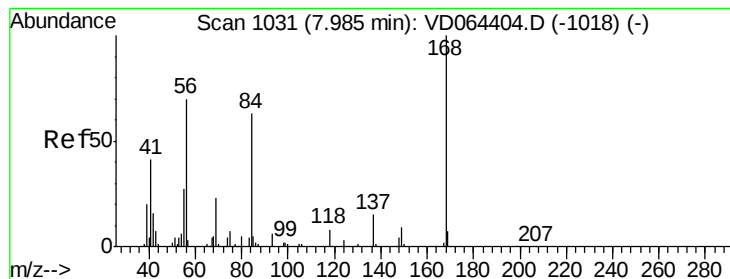
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#30
Chloroform
Concen: 136.212 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6





#31

Cyclohexane

Concen: 155.390 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1103841

Ion Ratio Lower Upper

56 100

69 31.4 26.2 39.4

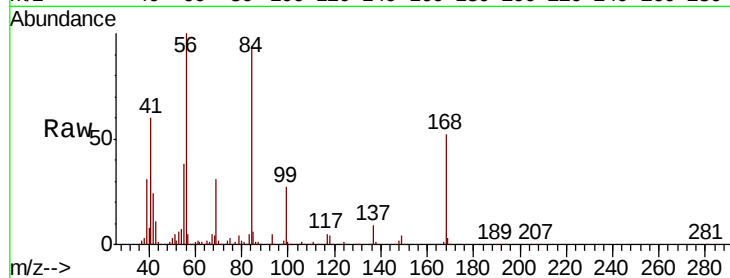
84 91.6 70.3 105.5

Manual Integrations

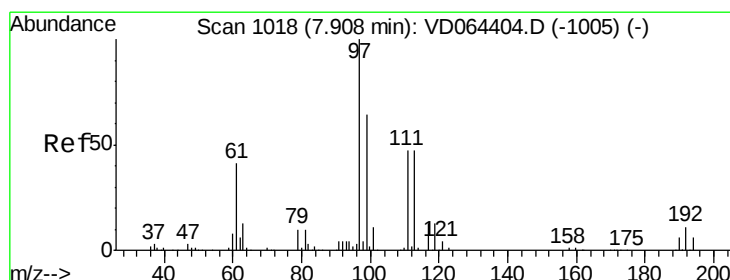
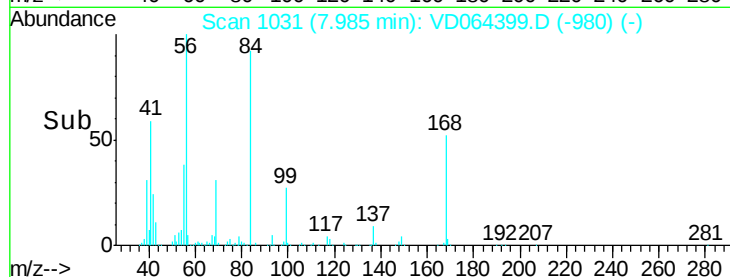
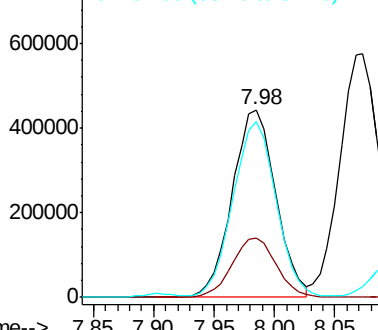
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 139.533 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

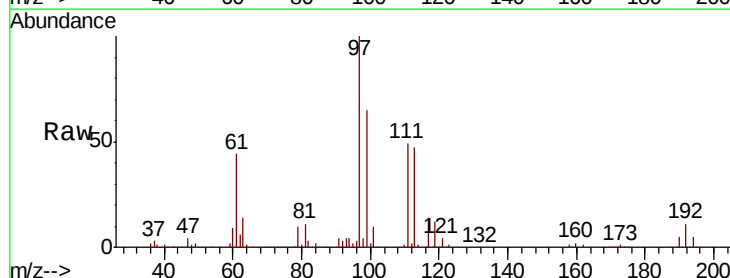
Tgt Ion: 97 Resp: 1162429

Ion Ratio Lower Upper

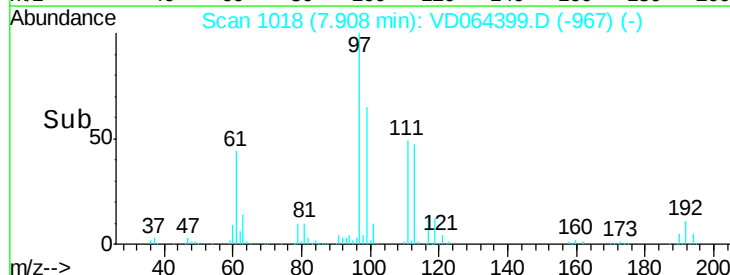
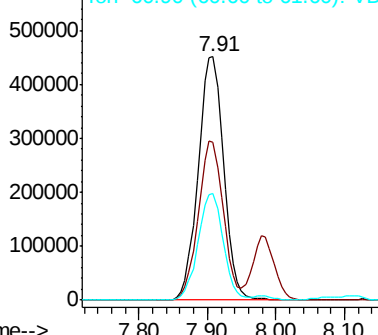
97 100

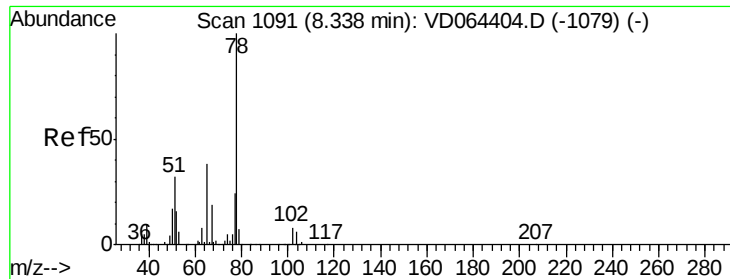
99 64.3 51.4 77.2

61 43.4 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





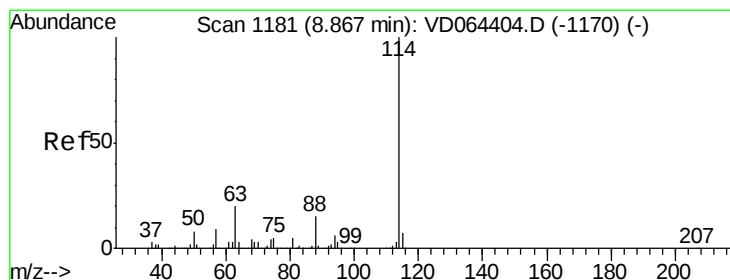
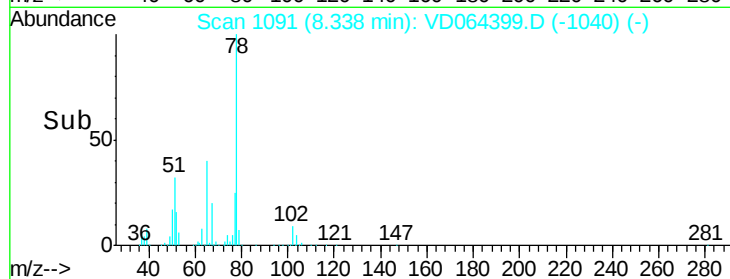
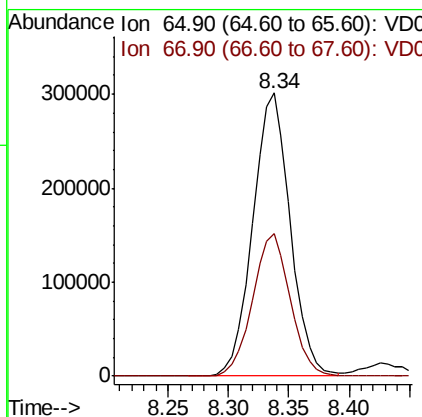
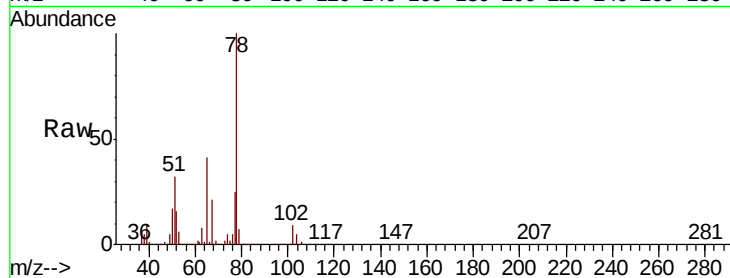
#33
 1,2-Dichloroethane-d4
 Concen: 138.228 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064399.D
 Acq: 27 Nov 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.0

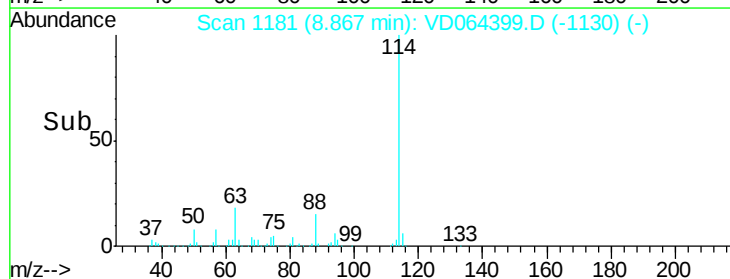
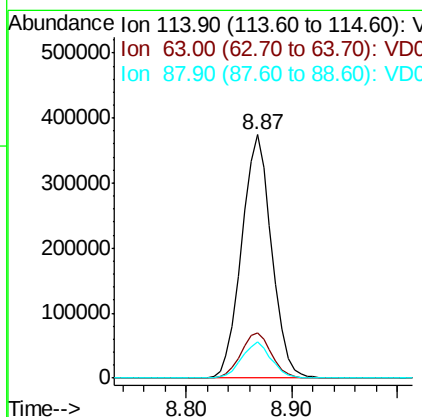
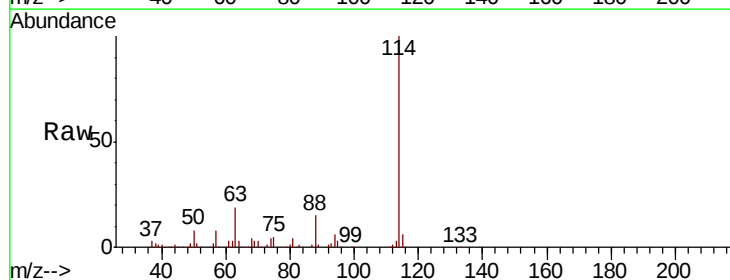
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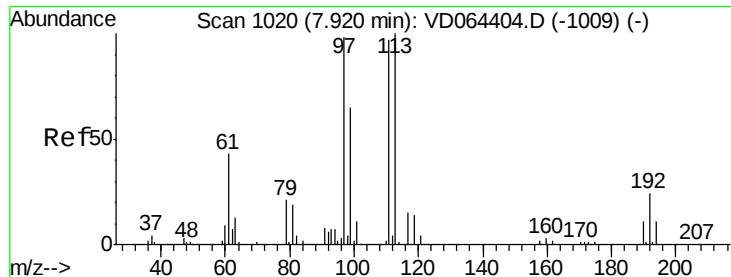
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064399.D
 Acq: 27 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	40.0
88	14.8	0.0	29.2





#35

Dibromofluoromethane

Concen: 137.008 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

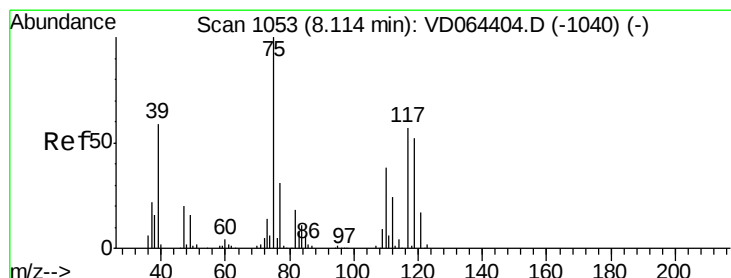
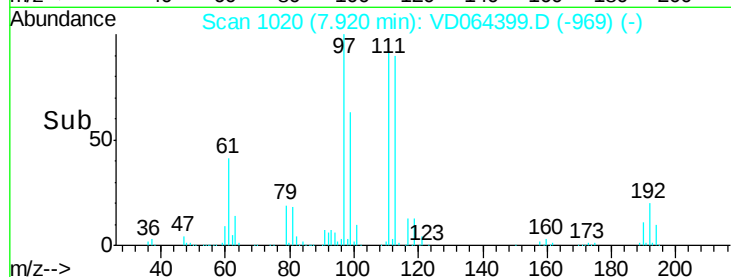
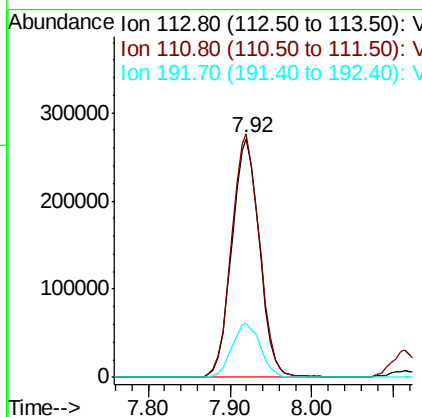
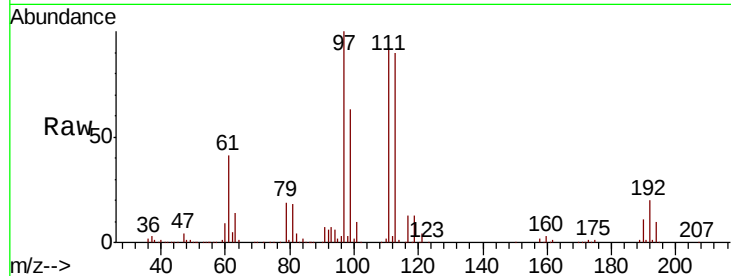
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	635461
Ion Ratio	Lower	Upper	
113	100		
111	103.0	79.4	119.2
192	23.3	18.6	28.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 142.752 ug/l

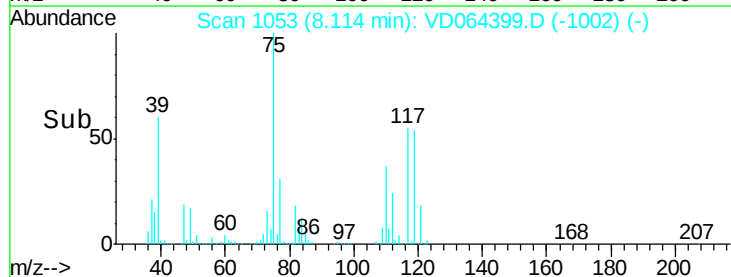
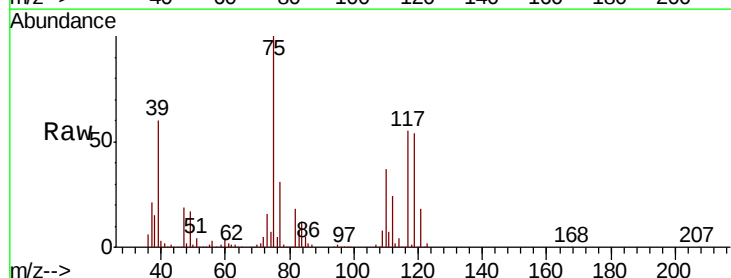
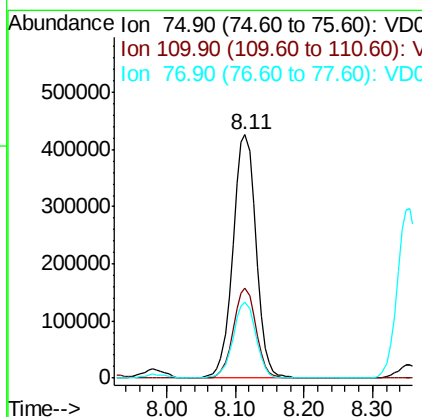
RT: 8.11 min Scan# 1053

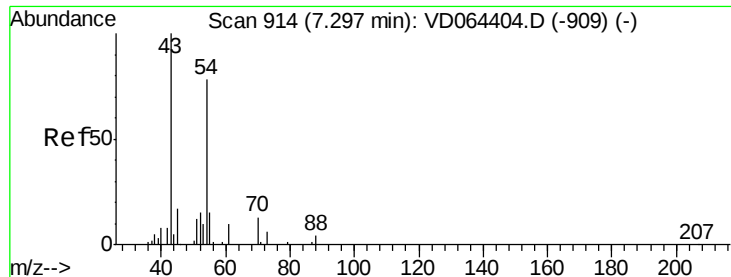
Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Tgt Ion:	75	Resp:	993982
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.6	55.8
77	30.9	25.0	37.4





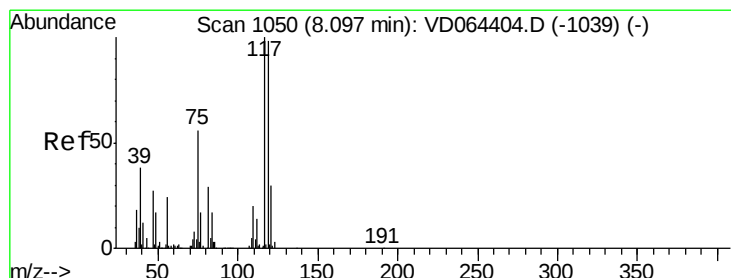
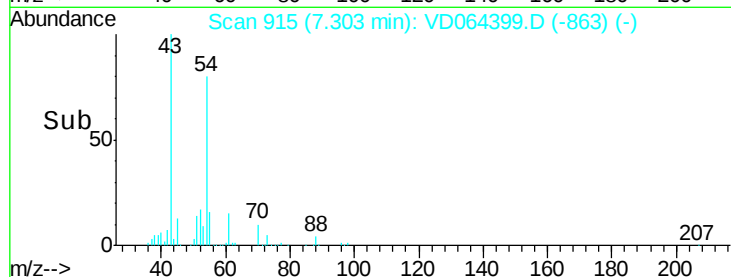
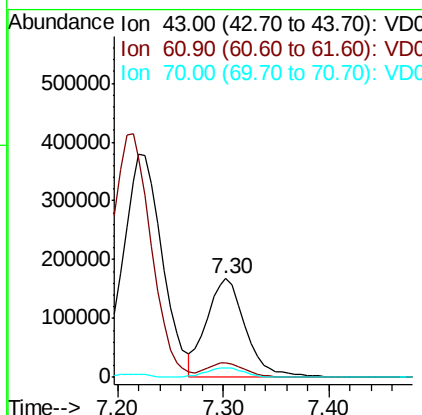
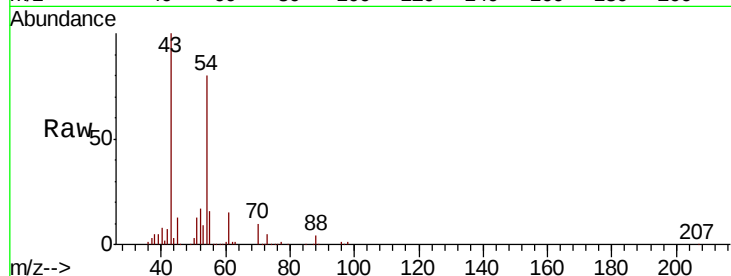
#37
Ethyl Acetate
Concen: 143.184 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	9.8	8.3	12.5

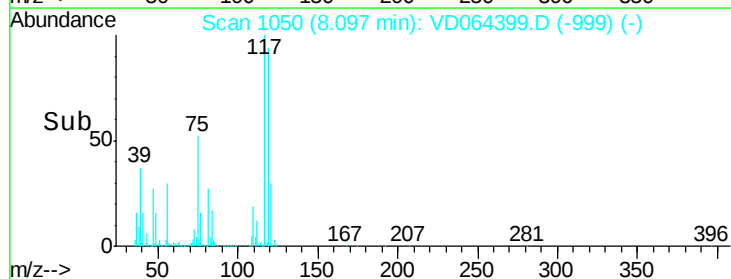
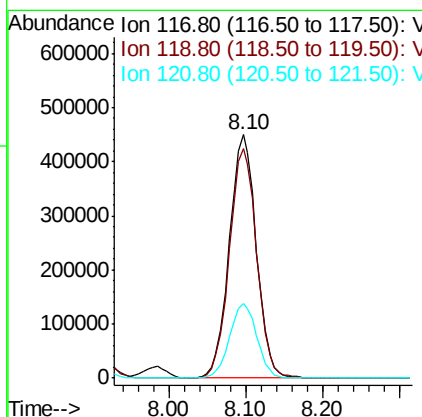
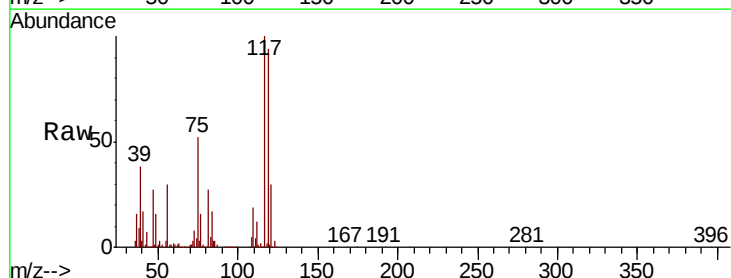
Manual Integrations
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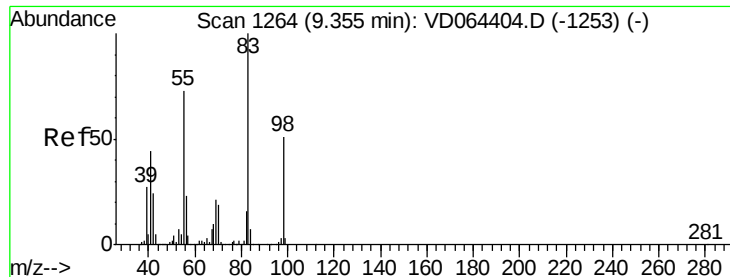
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#38
Carbon Tetrachloride
Concen: 149.290 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	78.8	118.2
121	30.5	24.2	36.2





#39

Methvlcvclohexane

Concen: 145.272 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1254754

Ion Ratio Lower Upper

83 100

55 75.8 58.6 87.8

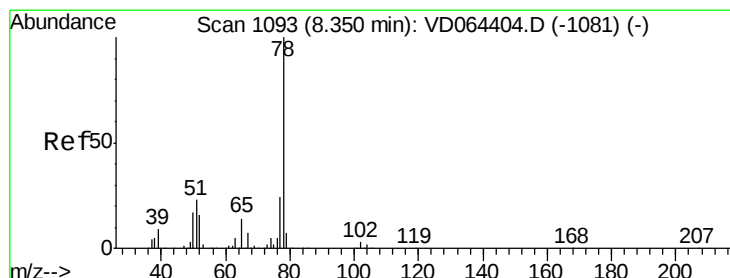
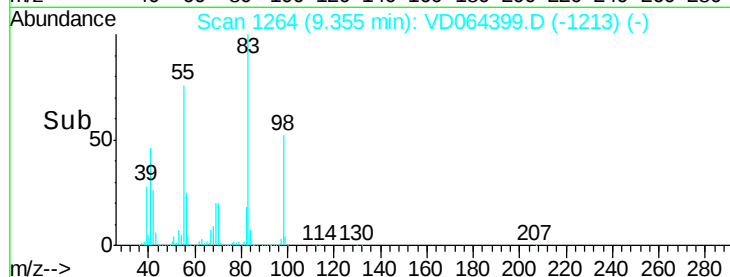
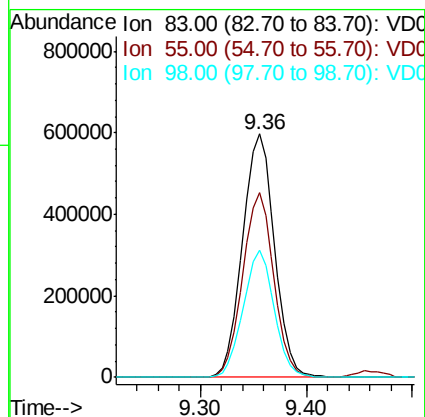
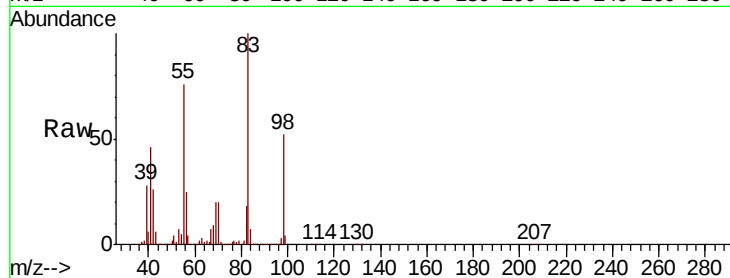
98 52.5 40.9 61.3

Manual Integrations

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#40

Benzene

Concen: 142.085 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD064399.D

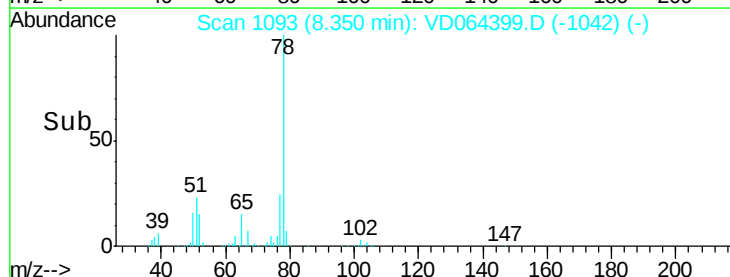
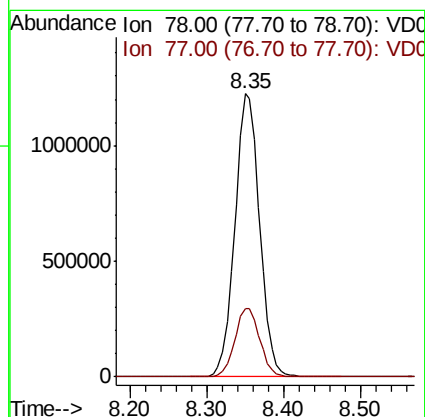
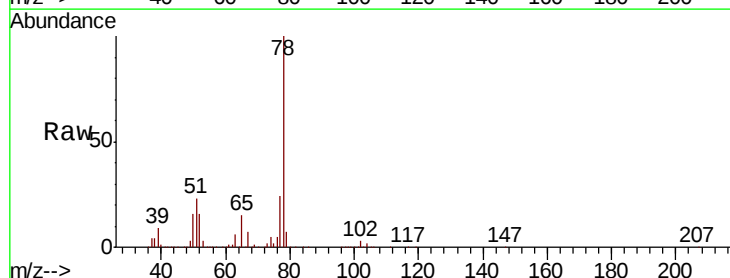
Acq: 27 Nov 2019 16:31

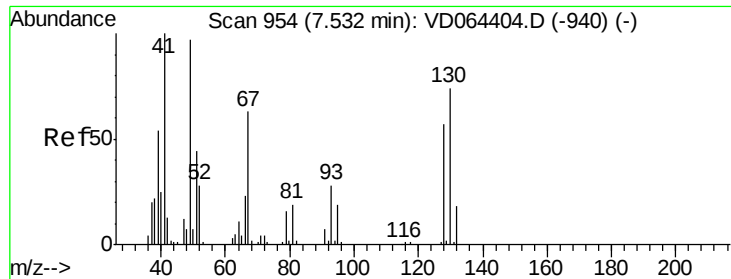
Tgt Ion: 78 Resp: 2747798

Ion Ratio Lower Upper

78 100

77 24.0 19.6 29.4





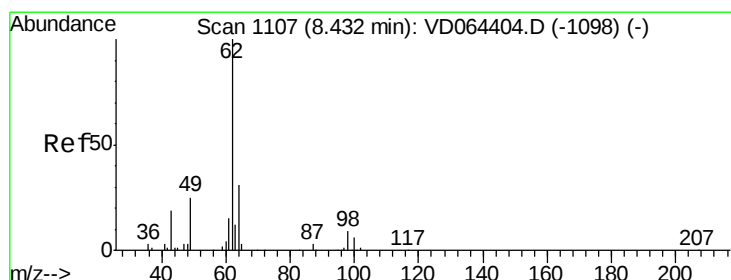
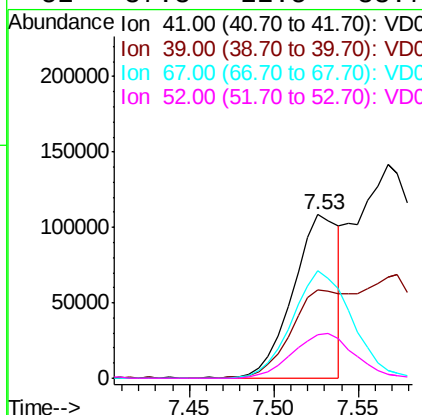
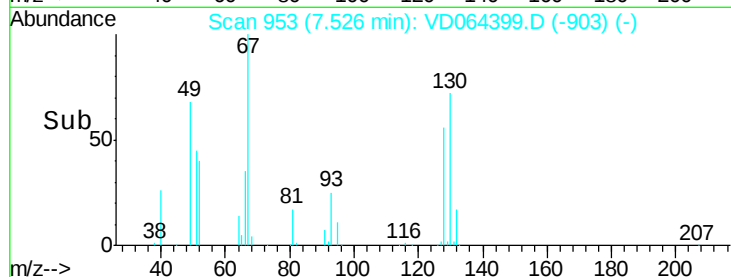
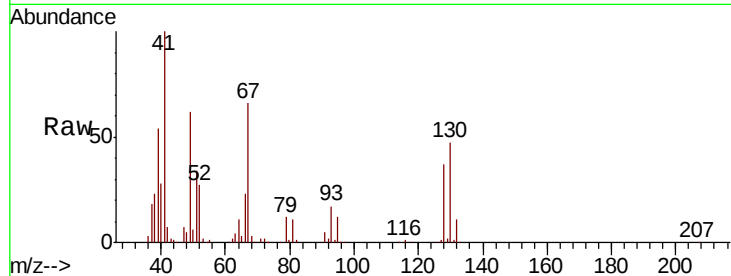
#41
Methacrylonitrile
Concen: 119.785 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.0	44.6	67.0
67	87.1	50.9	76.3
52	37.3	22.5	33.7

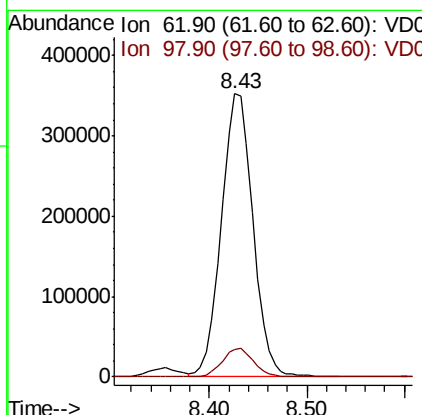
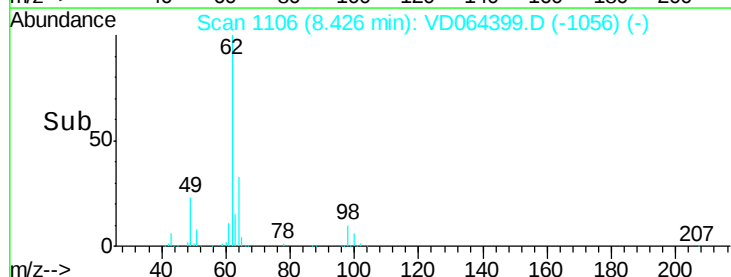
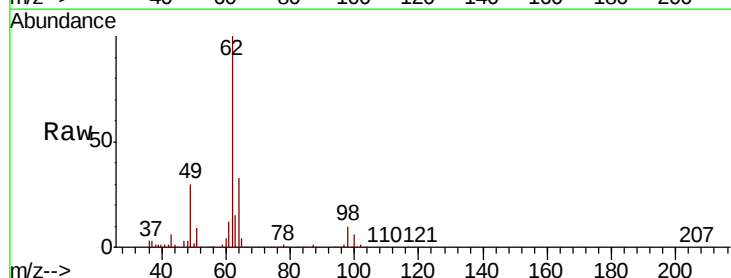
Manual Integrations
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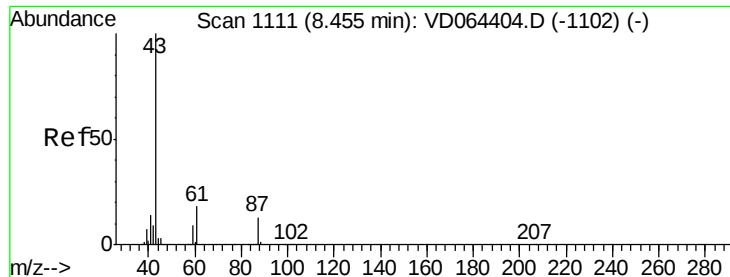
apatel
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#42
1,2-Dichloroethane
Concen: 139.392 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.6





#43

Isopropyl Acetate

Concen: 144.485 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

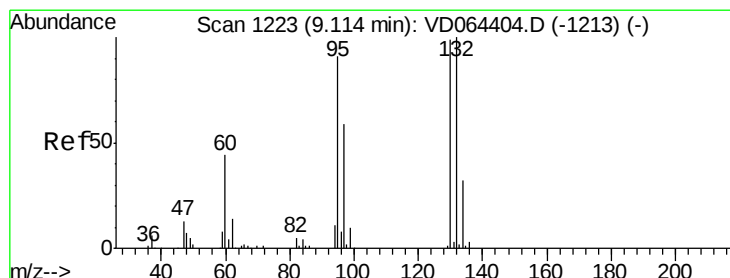
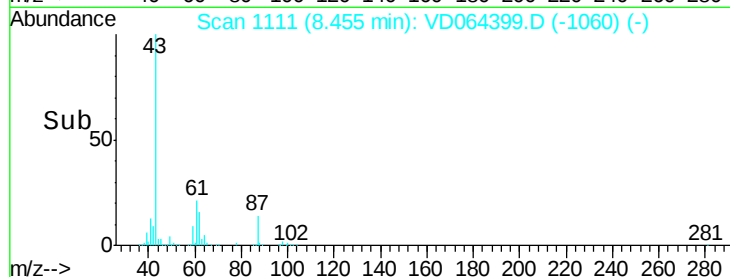
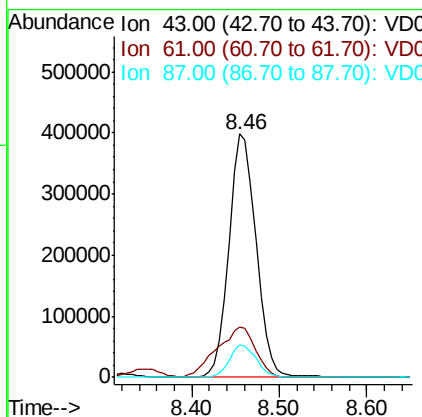
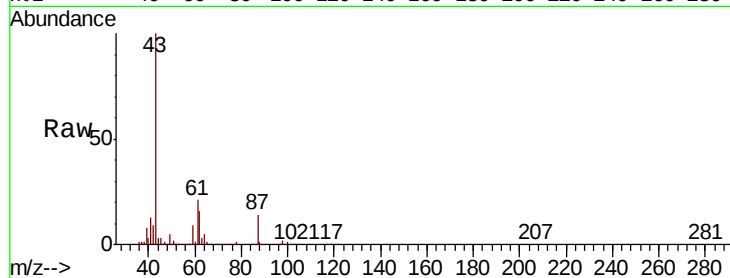
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	839341
Ion	Ratio	Lower	Upper
43	100		
61	29.5	24.0	36.0
87	13.2	10.6	15.8

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#44

Trichloroethene

Concen: 139.259 ug/l

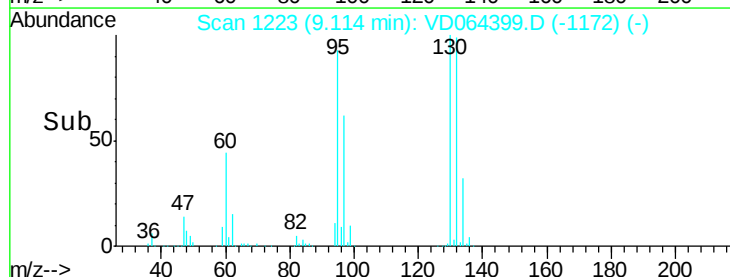
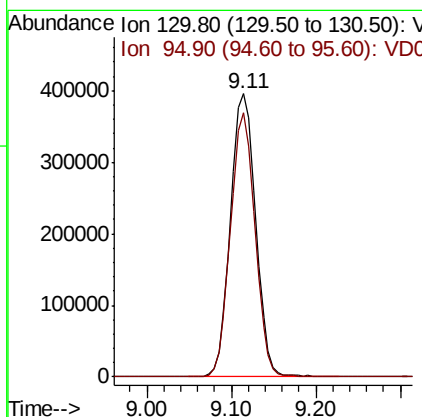
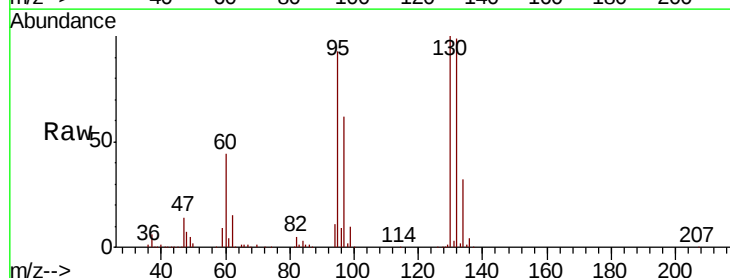
RT: 9.11 min Scan# 1223

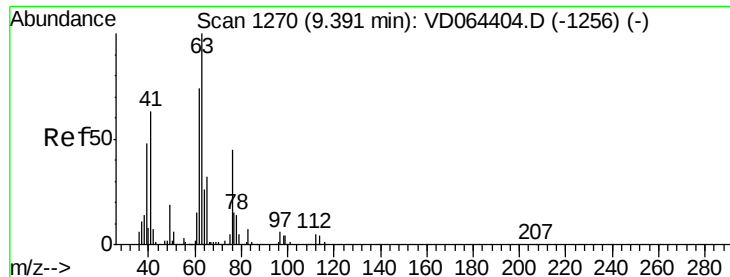
Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Tgt Ion:	130	Resp:	811248
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	184.6





#45

1,2-Dichloropropane

Concen: 140.966 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 651980

Ion Ratio Lower Upper

63 100

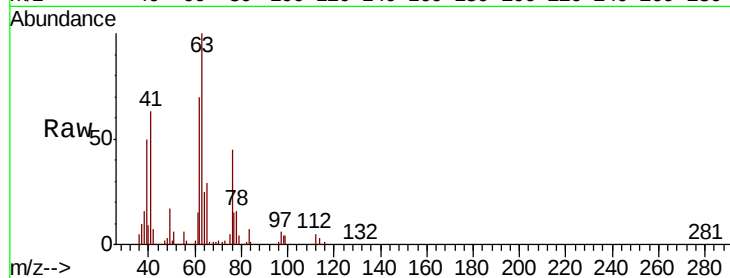
65 29.0 25.4 38.0

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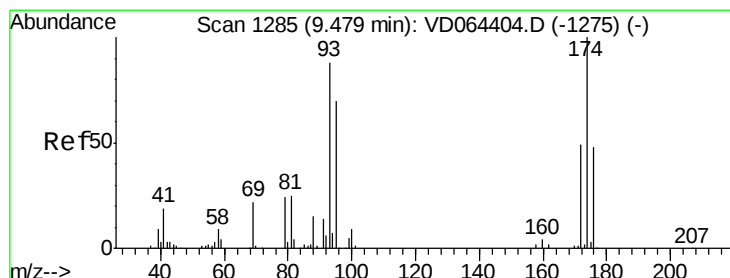
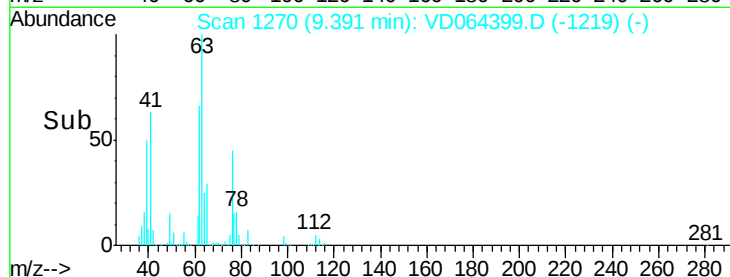
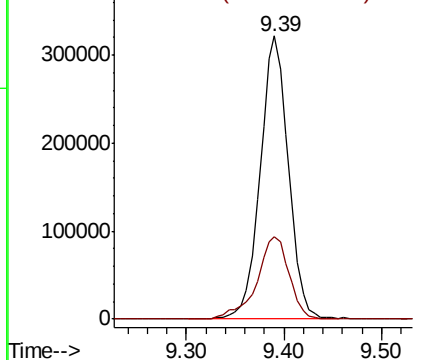
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 142.077 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

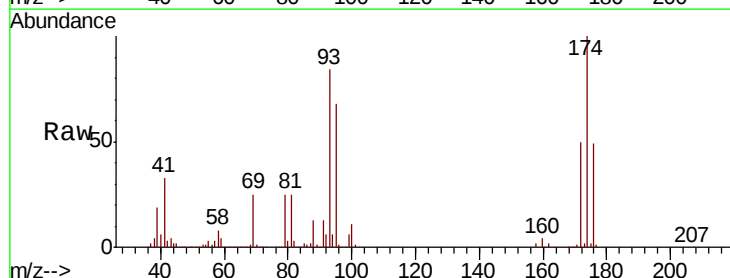
Tgt Ion: 93 Resp: 370877

Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

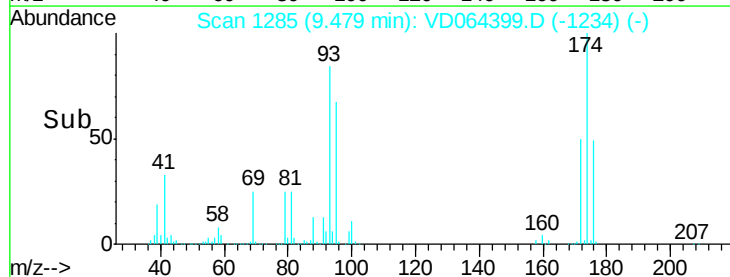
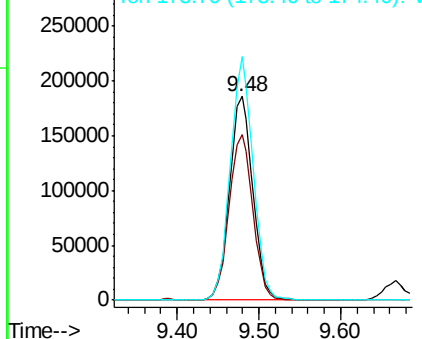
174 116.3 92.3 138.5

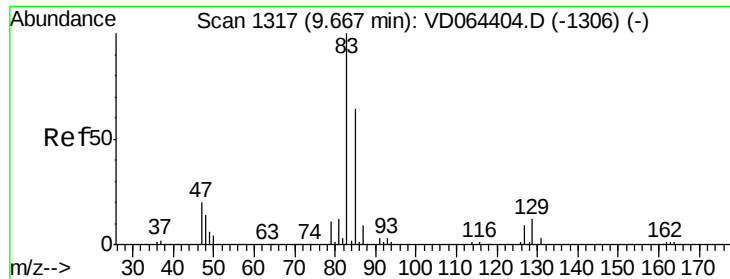


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 142.203 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

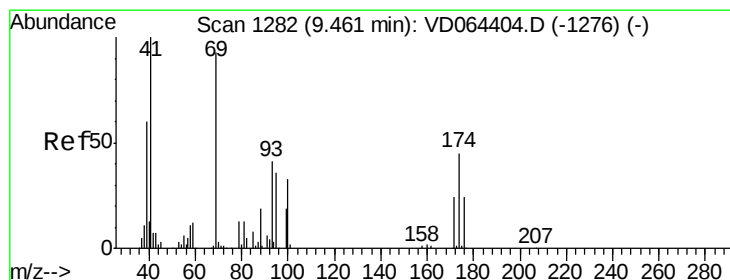
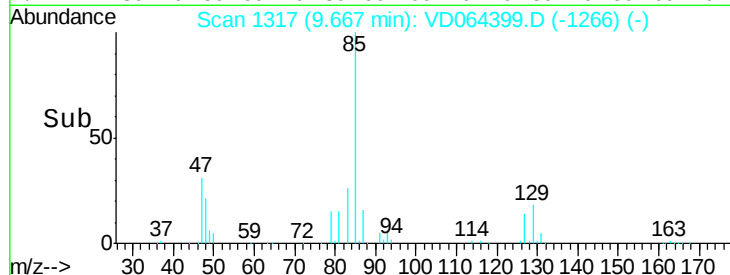
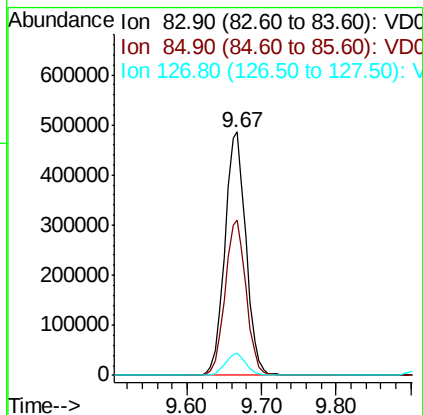
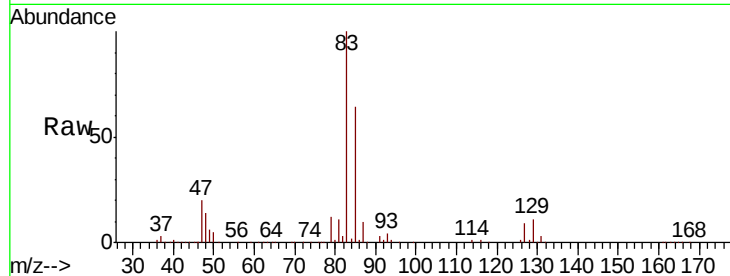
ClientSampleId :

VSTDICC150

Tot Ion:	83	Resp:	953807
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.1	76.7
127	9.1	7.4	11.0

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#48

Methyl methacrylate

Concen: 148.423 ug/l

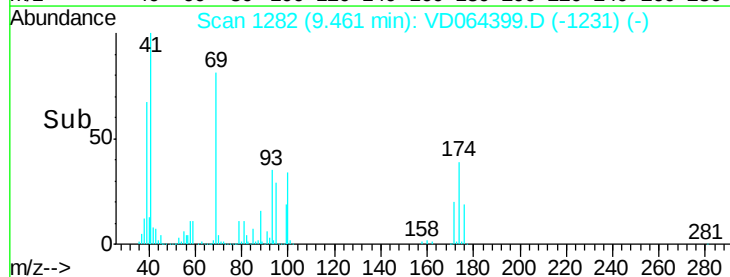
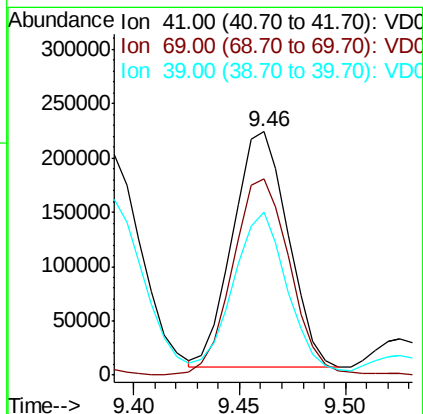
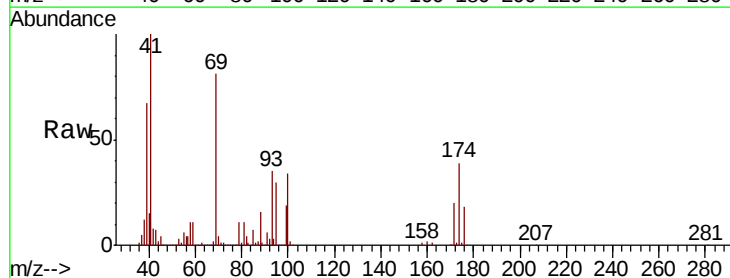
RT: 9.46 min Scan# 1282

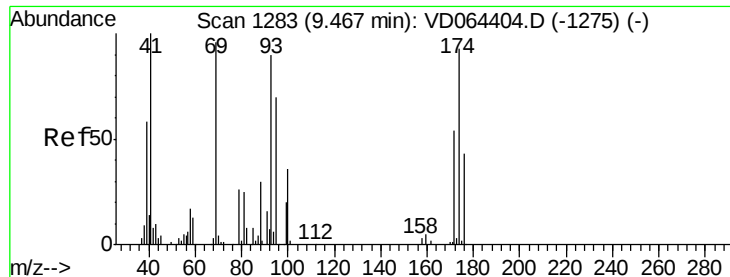
Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Tgt Ion:	41	Resp:	394543
Ion Ratio	Lower	Upper	
41	100		
69	86.2	72.0	108.0
39	63.8	55.2	82.8





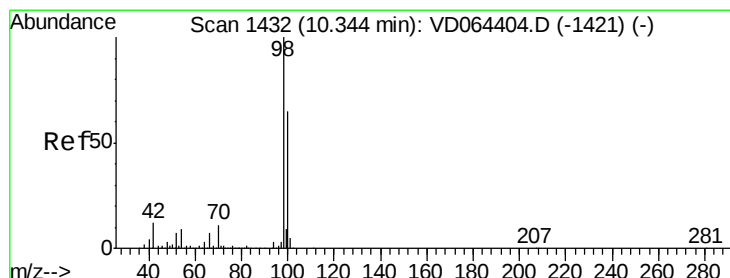
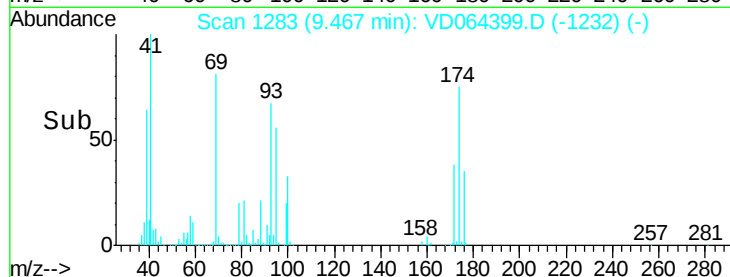
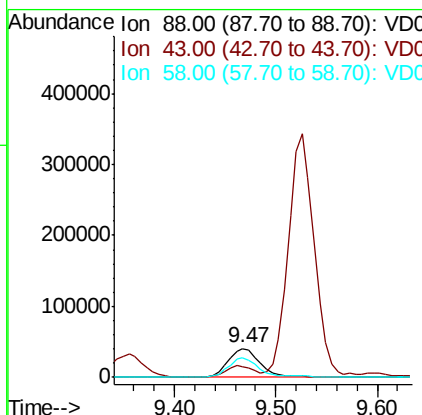
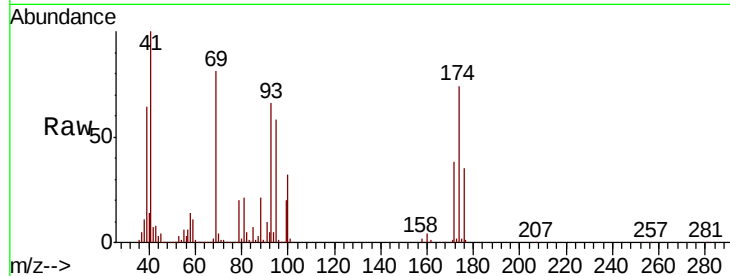
#49
1,4-Dioxane
Concen: 2795.753 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	90120
Ion	Ratio	Lower	Upper
88	100		
43	32.7	26.7	40.1
58	61.3	52.3	78.5

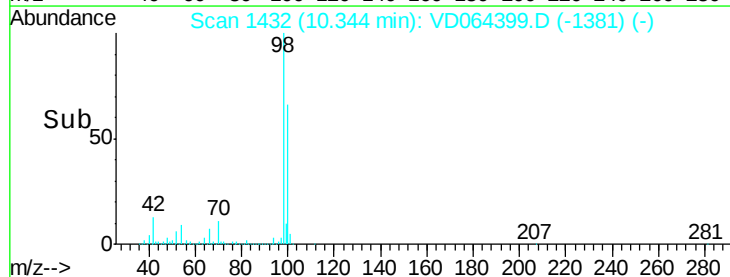
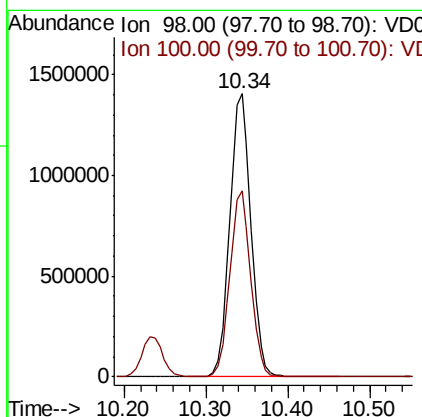
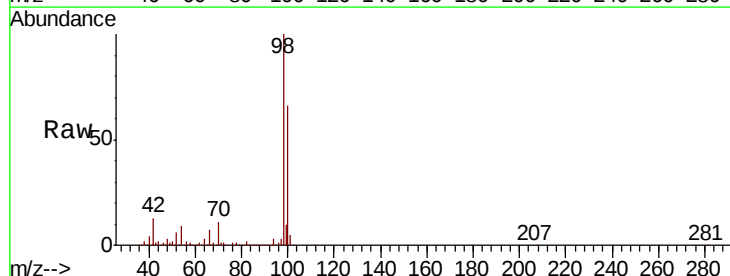
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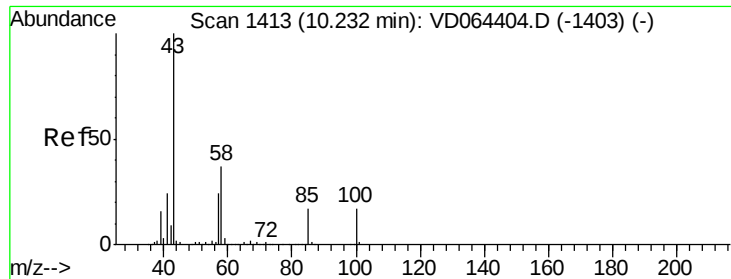
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#50
Toluene-d8
Concen: 144.183 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion	98	Resp	2519057
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 746.901 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2146838

Ion Ratio Lower Upper

43 100

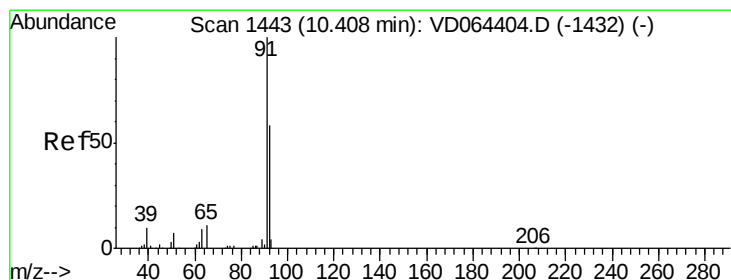
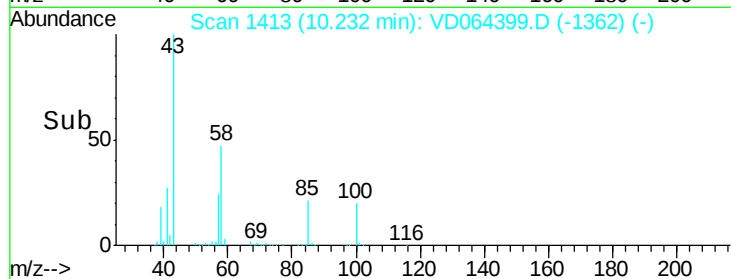
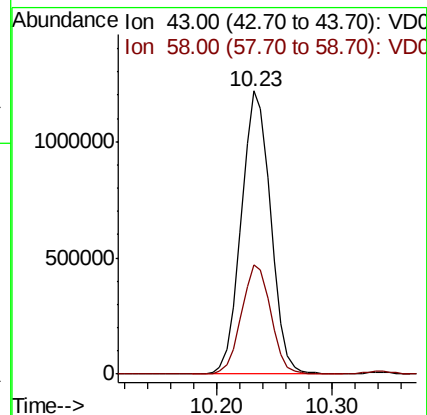
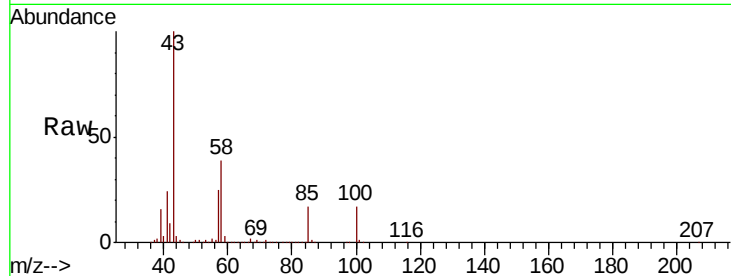
58 38.5 30.6 46.0

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#52

Toluene

Concen: 146.112 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064399.D

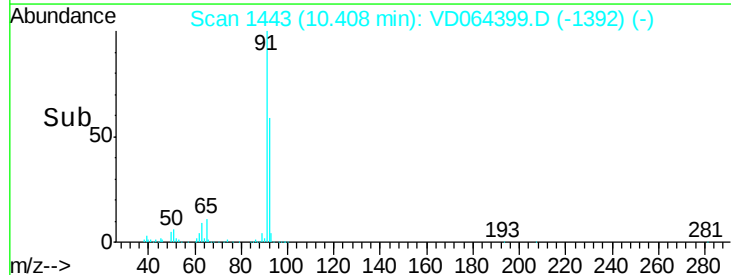
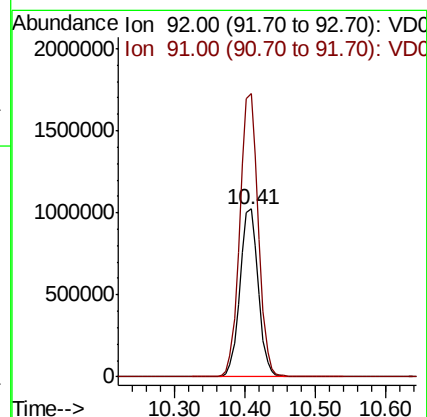
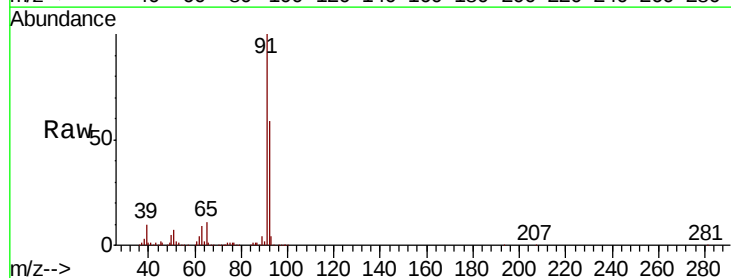
Acq: 27 Nov 2019 16:31

Tgt Ion: 92 Resp: 1841508

Ion Ratio Lower Upper

92 100

91 170.0 137.8 206.6





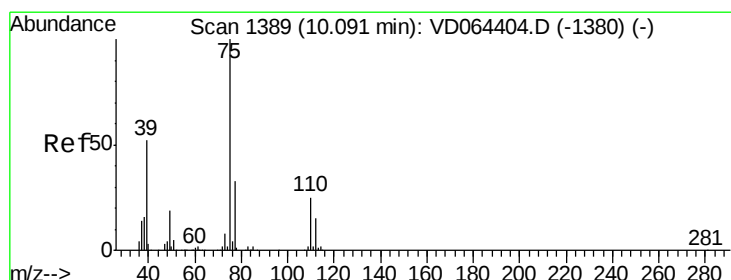
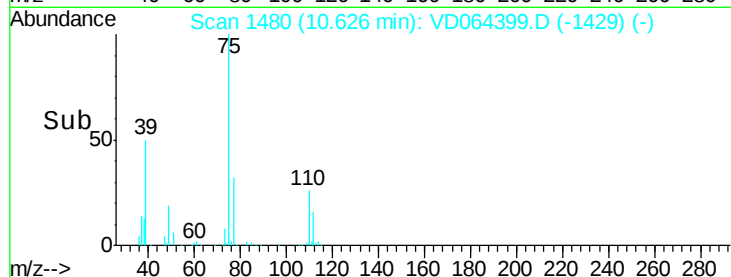
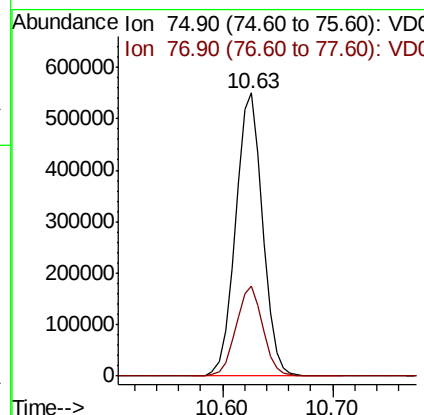
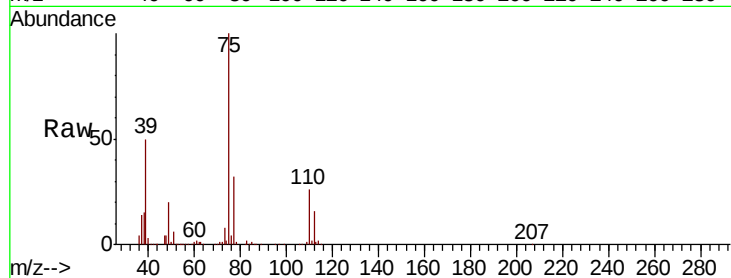
#53
t-1,3-Dichloropropene
Concen: 147.579 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	75	Resp	943375
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.0	37.4

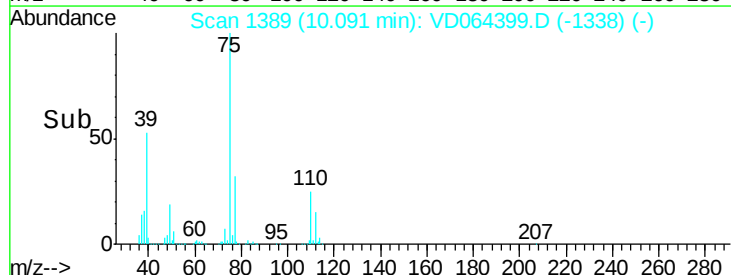
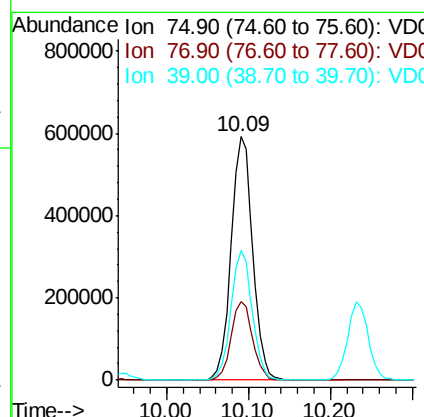
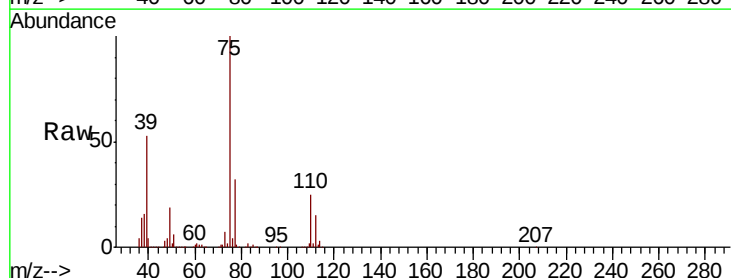
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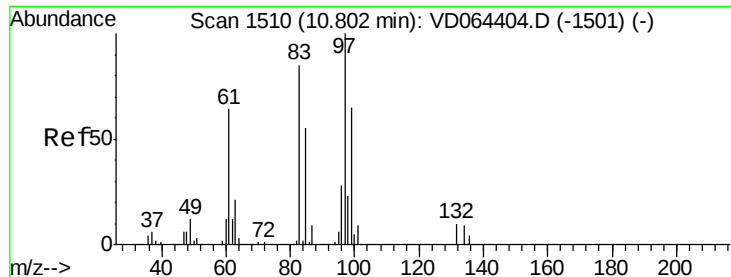
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#54
cis-1,3-Dichloropropene
Concen: 142.821 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion	75	Resp	1084568
Ion Ratio	Lower	Upper	
75	100		
77	32.4	26.1	39.1
39	53.1	41.5	62.3





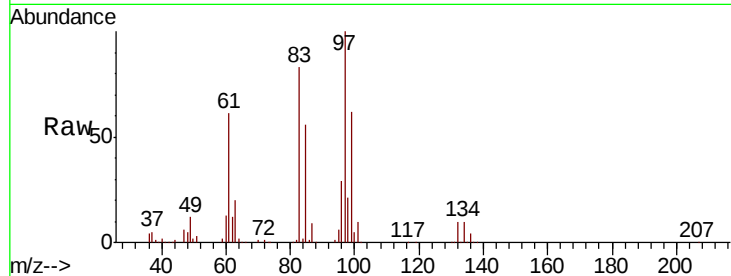
#55
 1,1,2-Trichloroethane
 Concen: 139.643 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064399.D
 Acq: 27 Nov 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		499138		
83	82.7	67.8	101.8		
85	55.5	43.7	65.5		
99	61.9	51.7	77.5		

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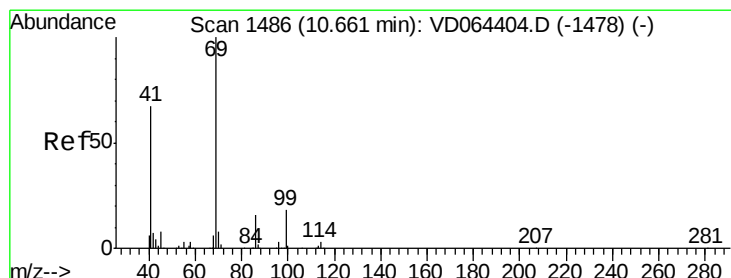
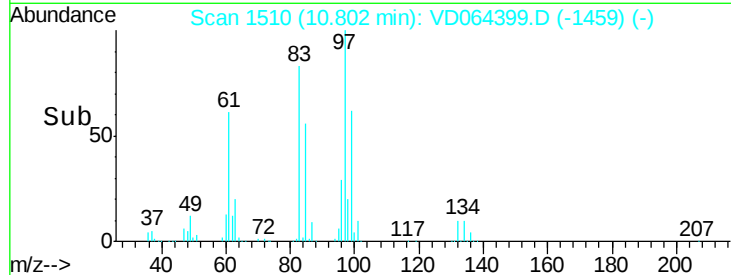
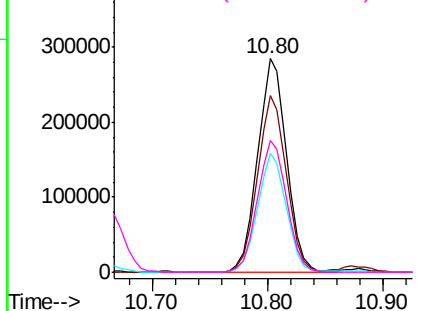
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

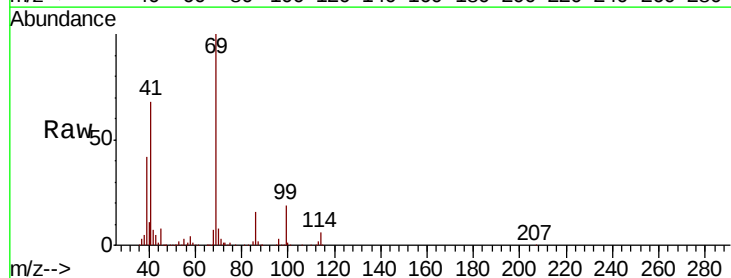
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 149.463 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064399.D
 Acq: 27 Nov 2019 16:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		681391		
41	68.8	55.0	82.4		
39	42.3	33.0	49.6		

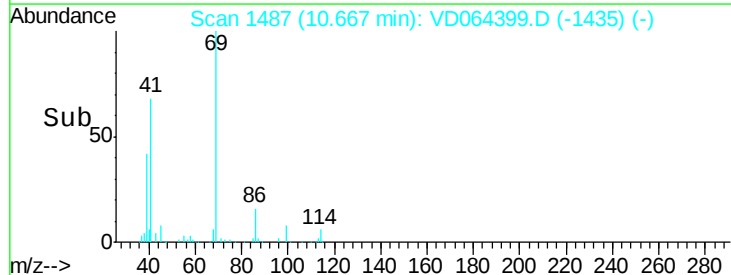
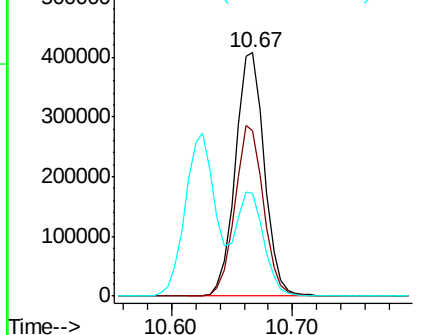


Abundance

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: 140.551 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 855193

Ion Ratio Lower Upper

76 100

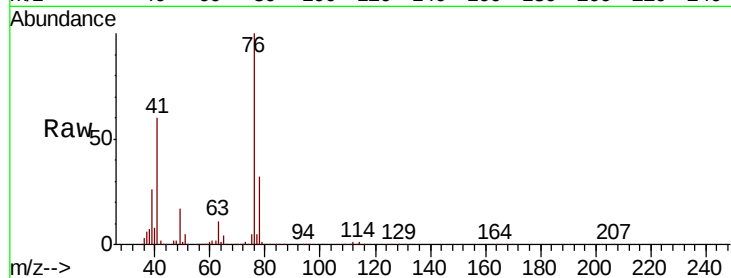
78 32.5 26.0 39.0

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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

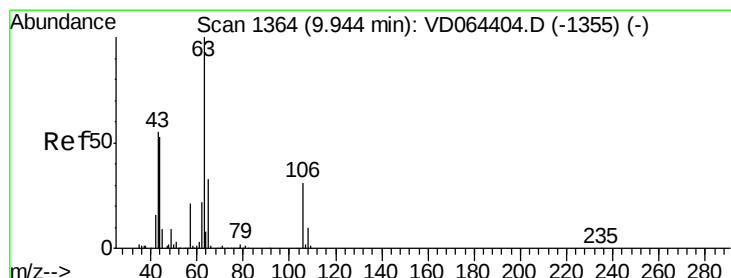
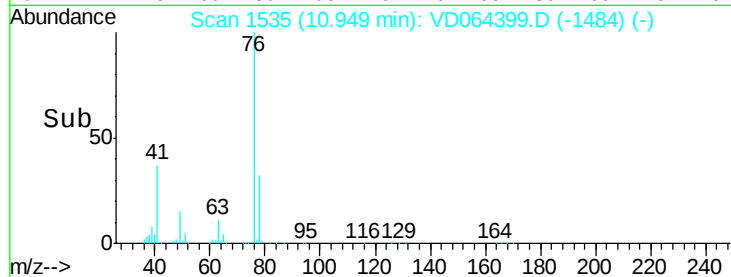
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 664.935 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064399.D

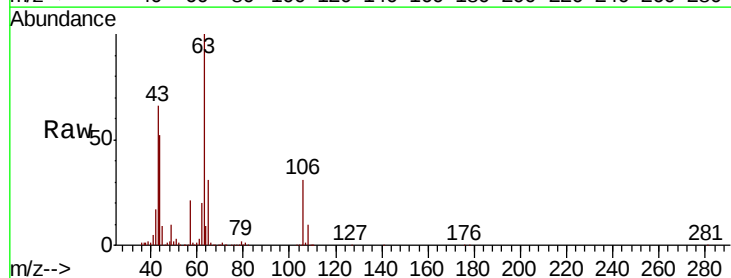
Acq: 27 Nov 2019 16:31

Tgt Ion: 63 Resp: 1208424

Ion Ratio Lower Upper

63 100

106 30.6 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

800000

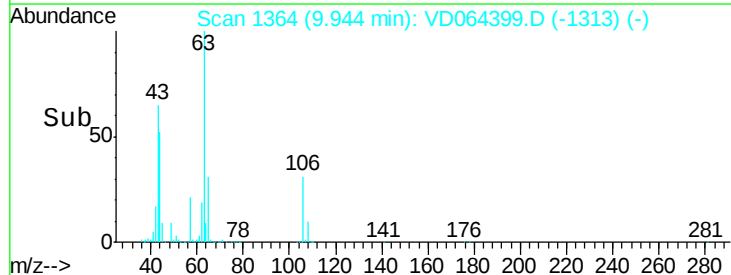
600000

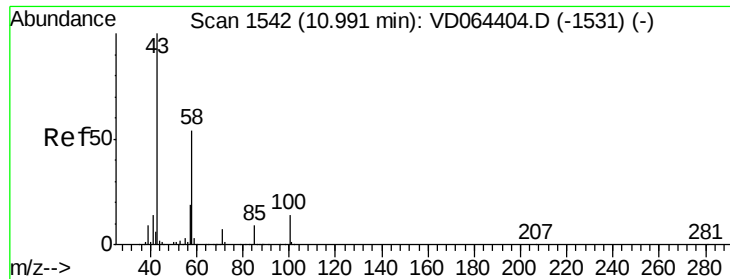
400000

200000

0

Time-->





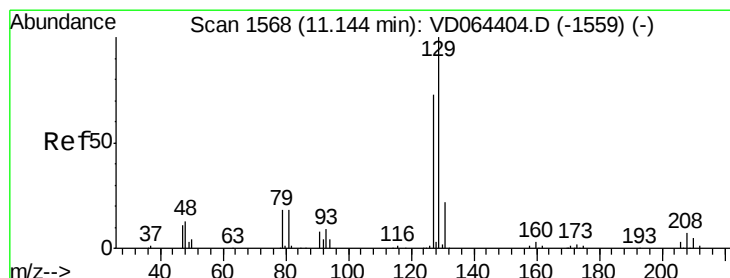
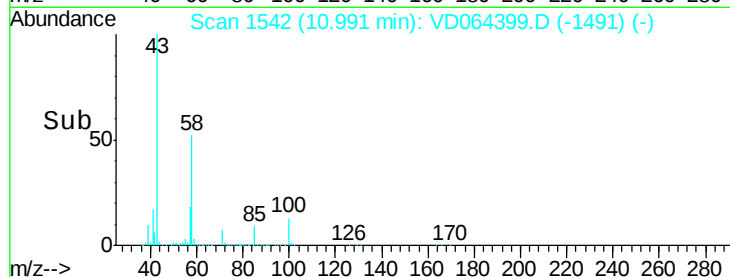
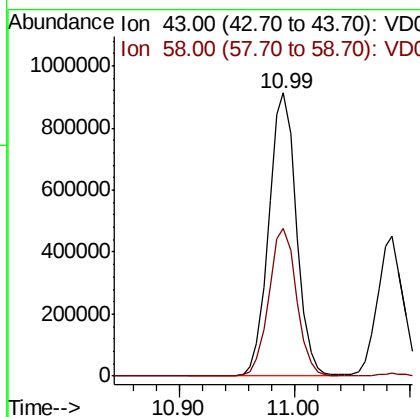
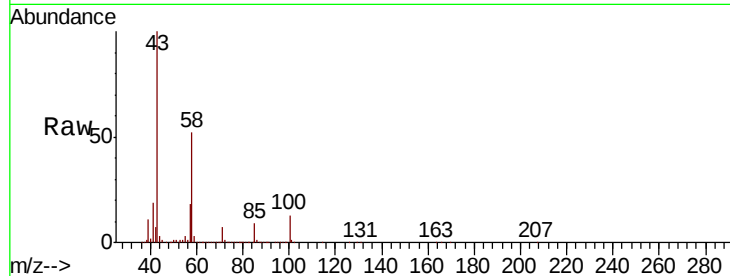
#59
2-Hexanone
Concen: 762.245 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1520273
Ion Ratio Lower Upper
43 100
58 52.6 26.3 78.8

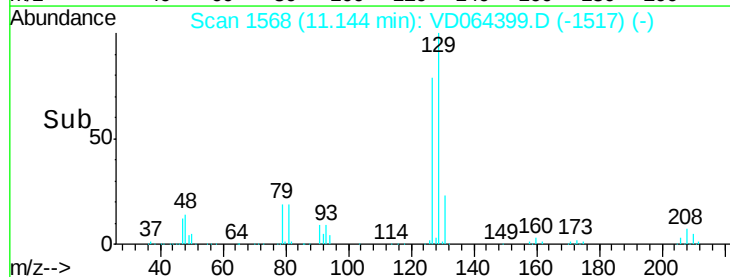
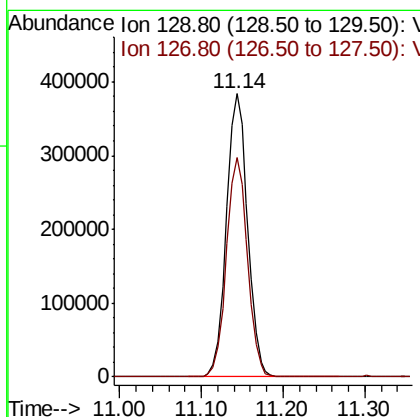
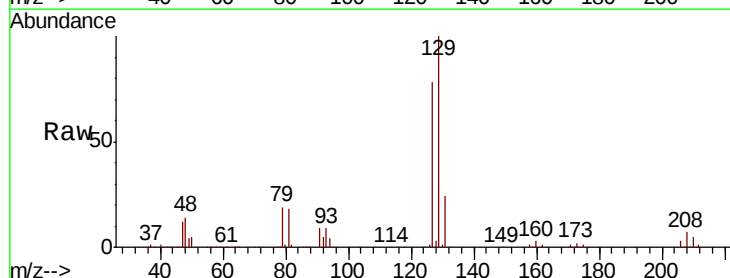
Manual Integrations
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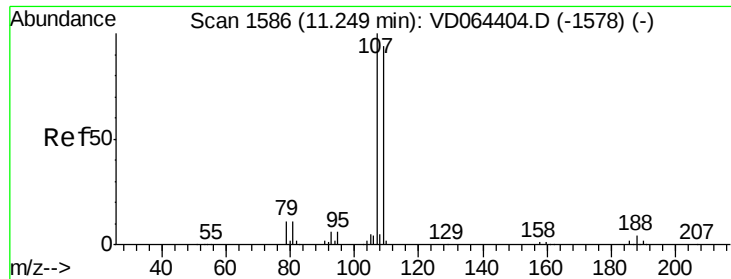
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#60
Dibromochloromethane
Concen: 142.228 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion:129 Resp: 689283
Ion Ratio Lower Upper
129 100
127 77.4 38.1 114.3





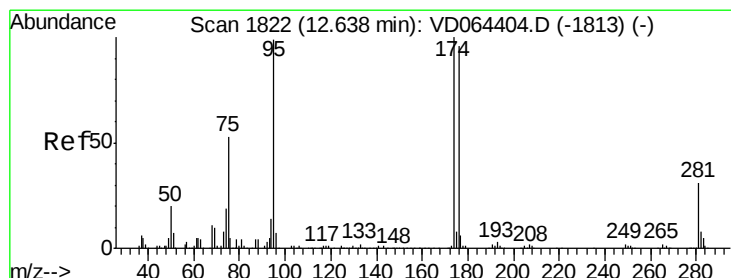
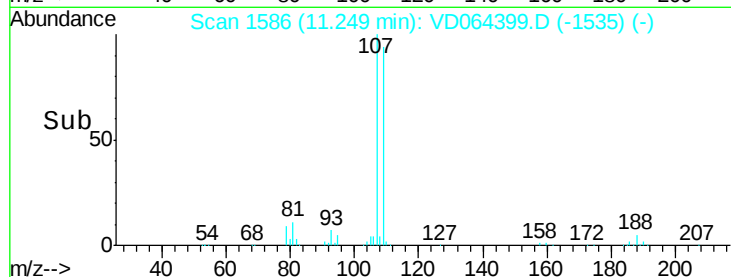
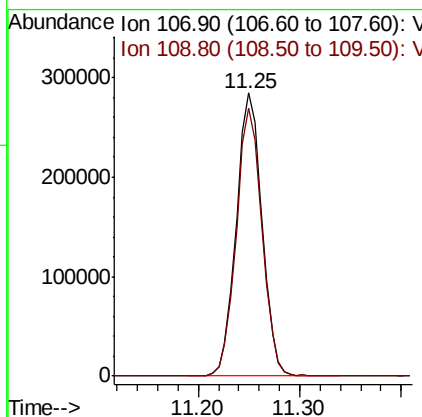
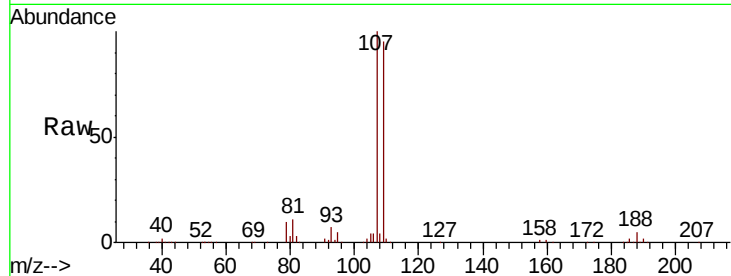
#61
 1,2-Dibromoethane
 Concen: 140.737 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064399.D
 Acq: 27 Nov 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.2	114.2

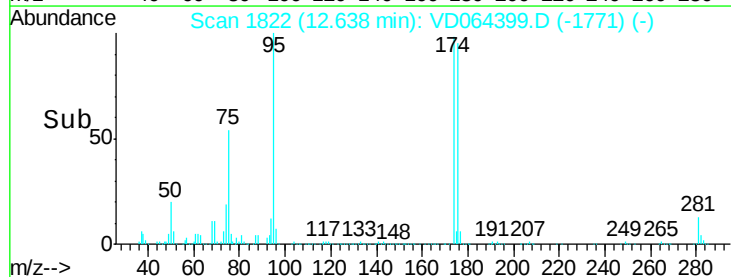
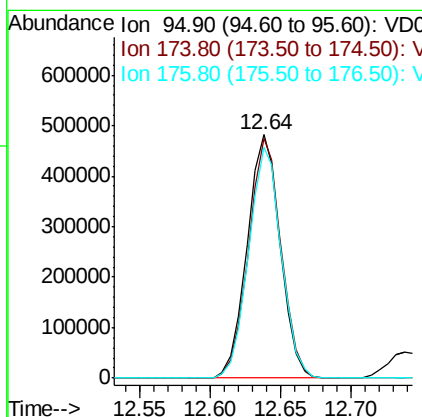
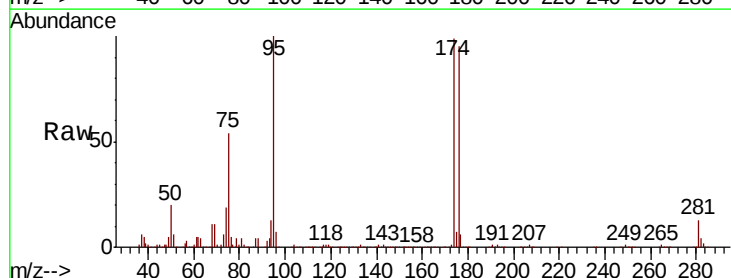
Manual Integrations
 APPROVED

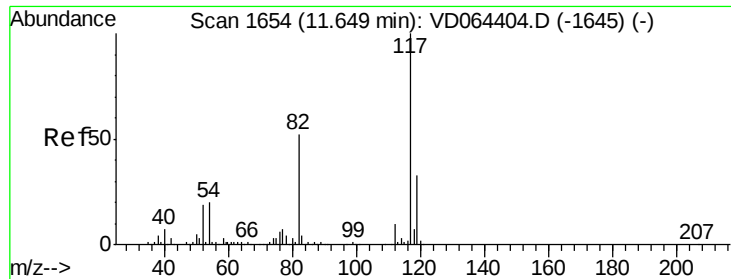
apatel
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#62
 4-Bromofluorobenzene
 Concen: 140.447 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064399.D
 Acq: 27 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.3	0.0	197.2
176	94.3	0.0	189.6





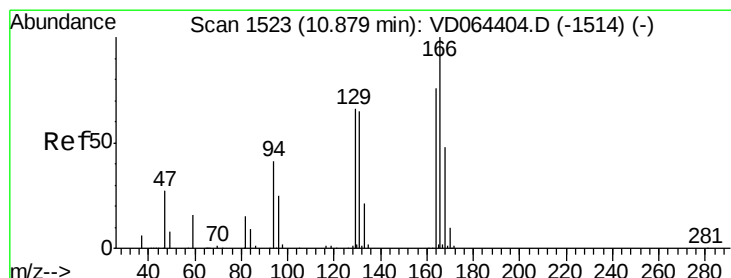
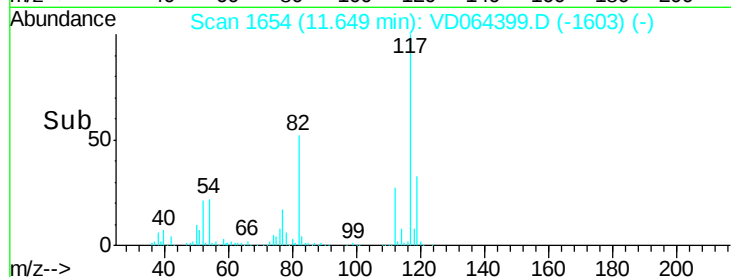
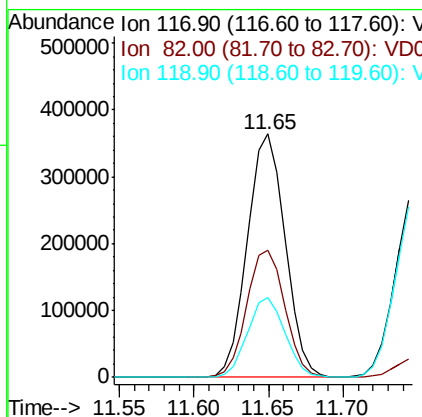
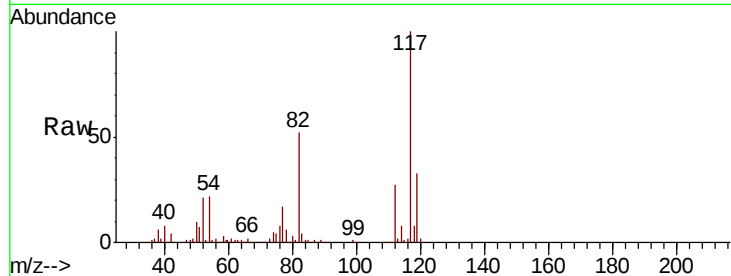
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.4	62.2
119	32.9	26.2	39.2

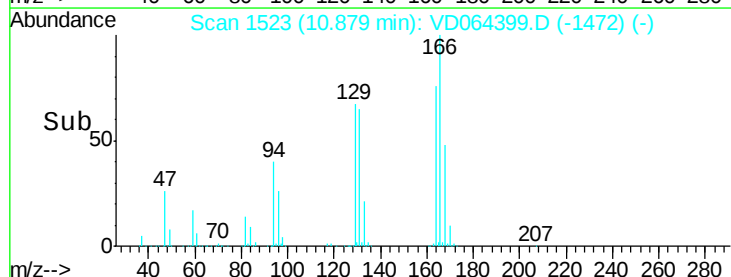
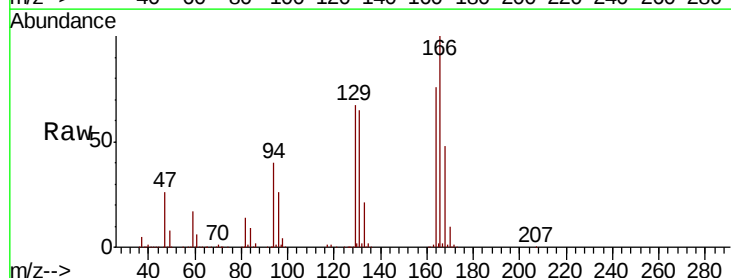
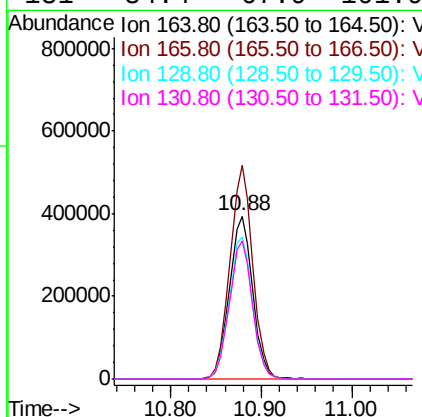
Manual Integrations
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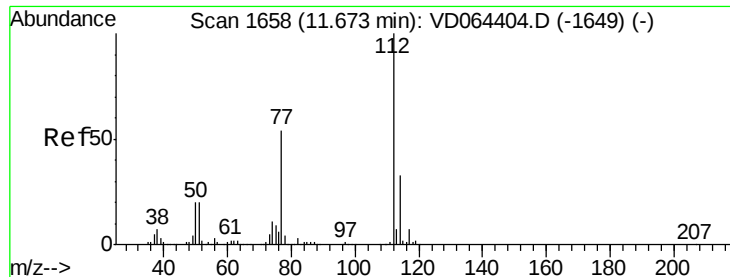
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#64
Tetrachloroethene
Concen: 145.094 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	104.8	157.2
129	87.3	68.7	103.1
131	84.4	67.9	101.9





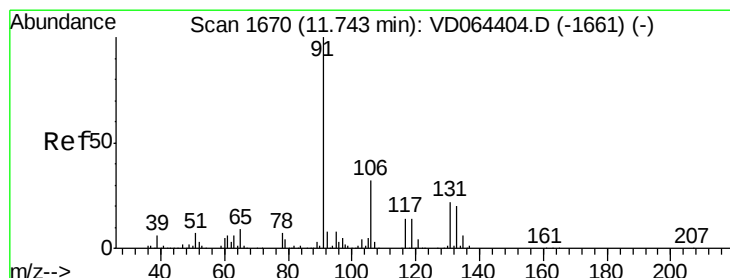
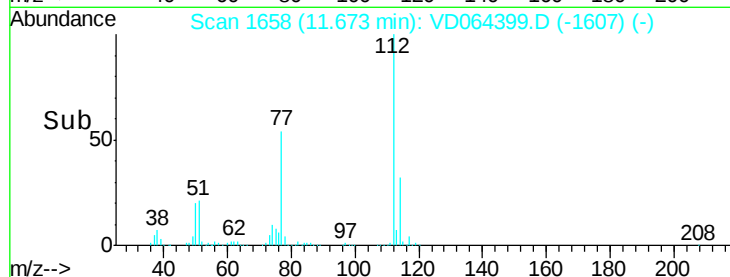
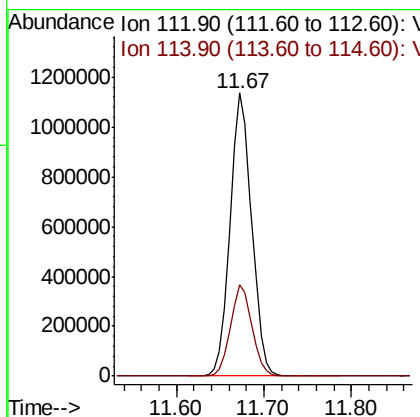
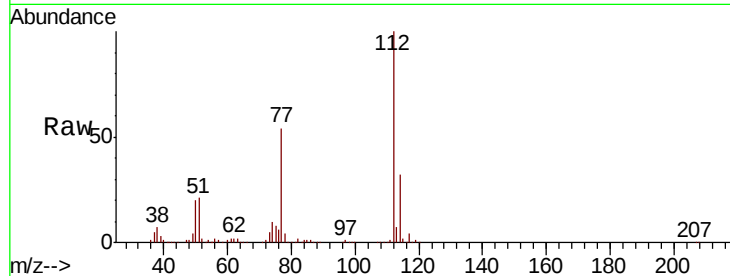
#65
Chlorobenzene
Concen: 143.151 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1903903
Ion Ratio Lower Upper
112 100
114 32.1 26.5 39.7

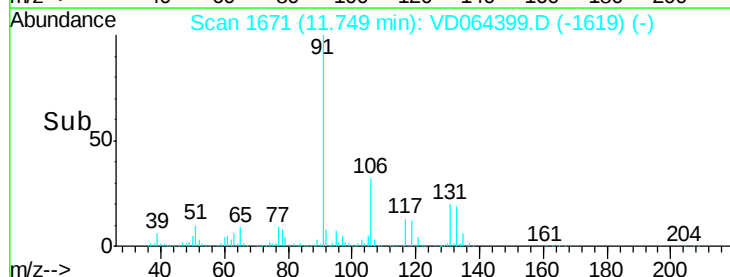
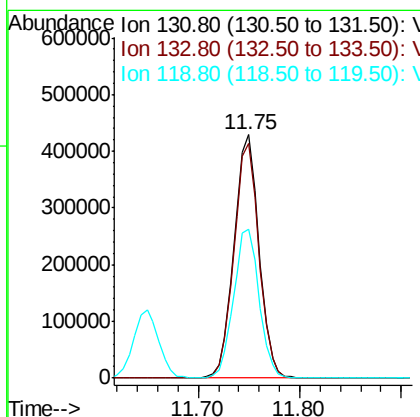
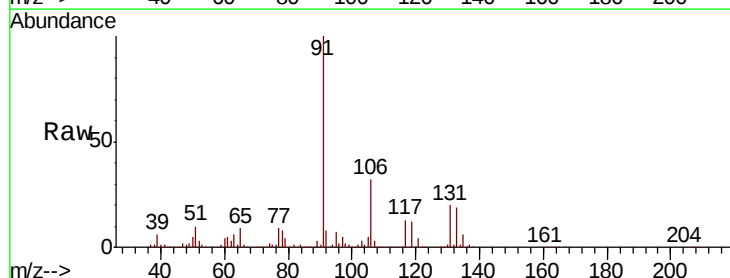
Manual Integrations
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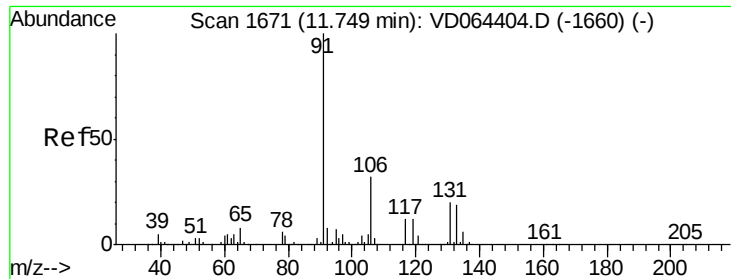
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#66
1,1,1,2-Tetrachloroethane
Concen: 148.757 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion:131 Resp: 732405
Ion Ratio Lower Upper
131 100
133 96.8 48.3 144.9
119 62.8 31.9 95.9





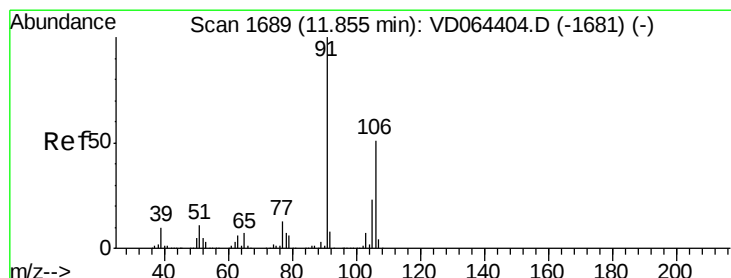
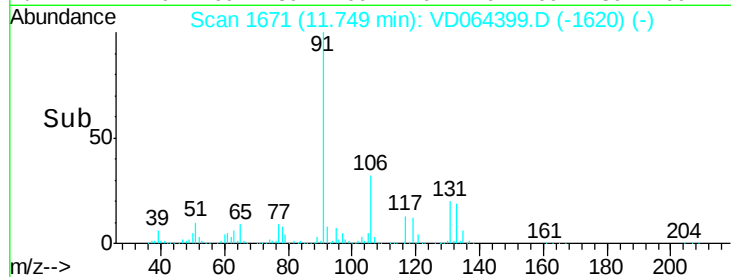
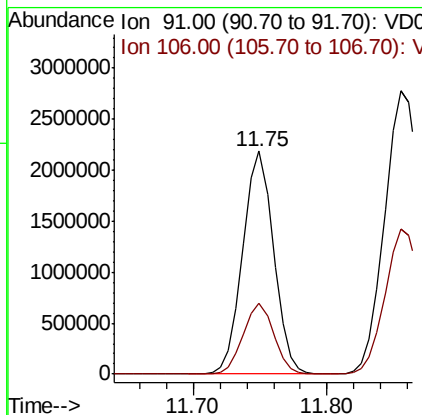
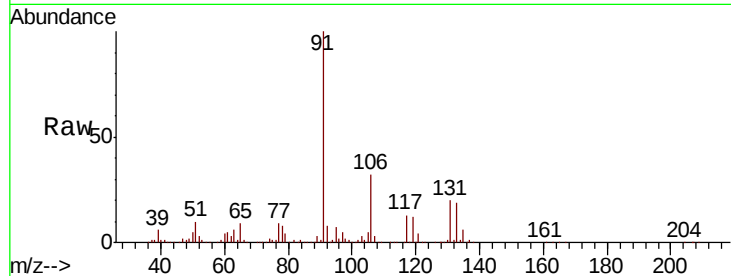
#67
Ethyl Benzene
Concen: 147.824 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3498052
Ion Ratio Lower Upper
91 100
106 31.7 25.8 38.8

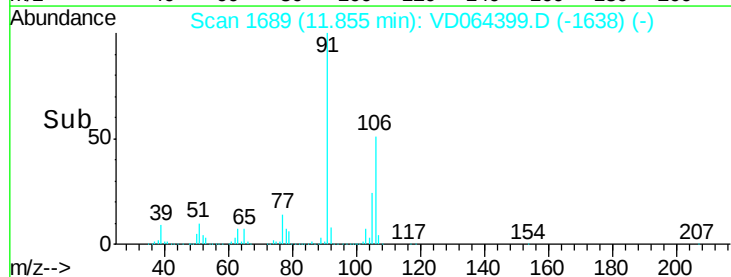
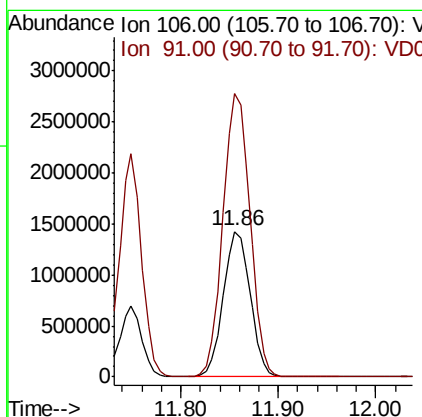
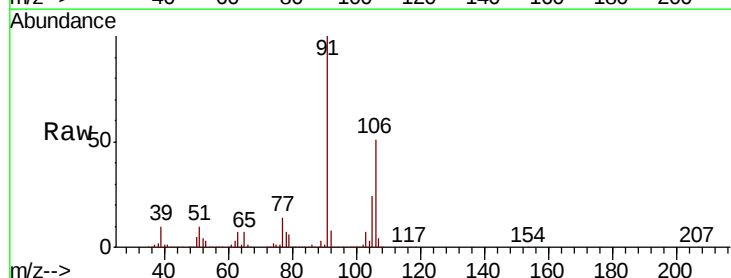
Manual Integrations
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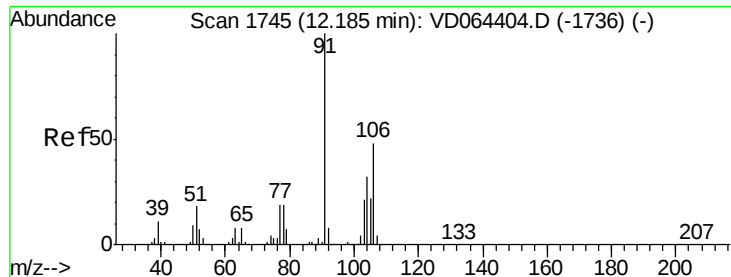
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#68
m/p-Xylenes
Concen: 300.996 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion: 106 Resp: 2715802
Ion Ratio Lower Upper
106 100
91 196.9 157.4 236.2





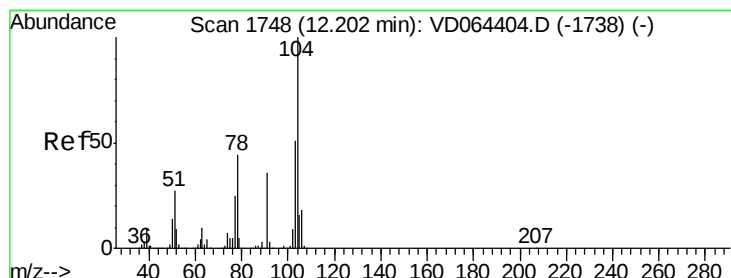
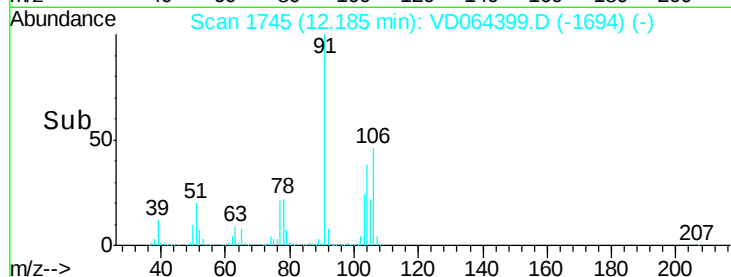
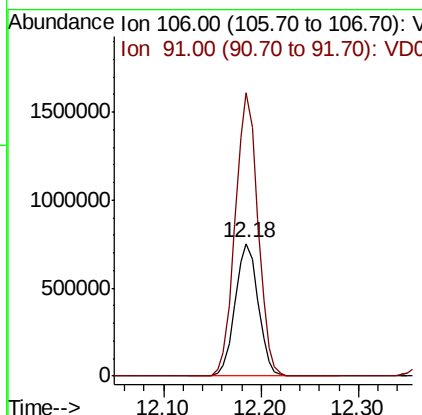
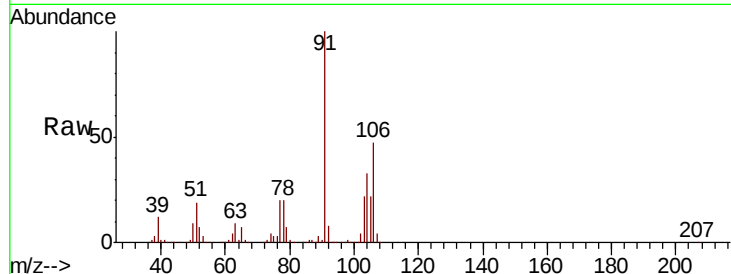
#69
o-Xylene
Concen: 148.396 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1236585
Ion Ratio Lower Upper
106 100
91 210.5 103.8 311.4

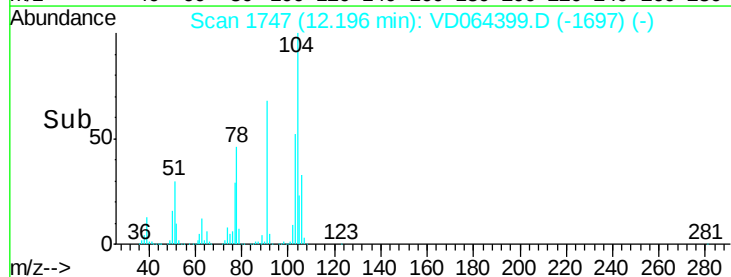
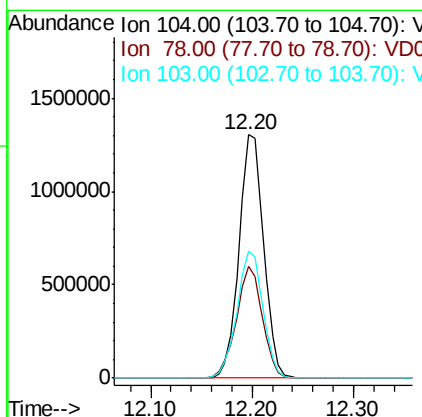
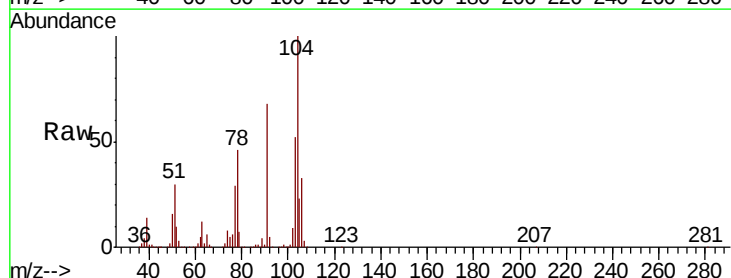
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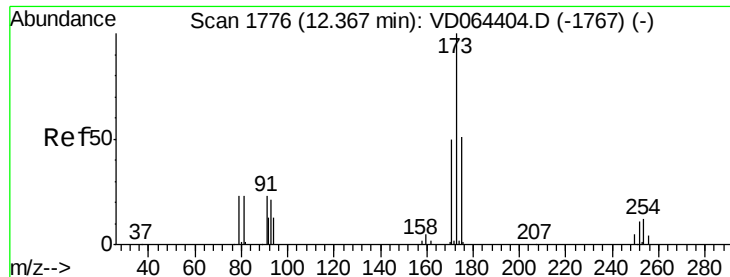
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#70
Styrene
Concen: 151.896 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion:104 Resp: 2199561
Ion Ratio Lower Upper
104 100
78 48.3 38.8 58.2
103 55.3 44.2 66.4





#71

Bromoform

Concen: 149.725 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 441036

Ion Ratio Lower Upper

173 100

175 48.9 25.3 75.8

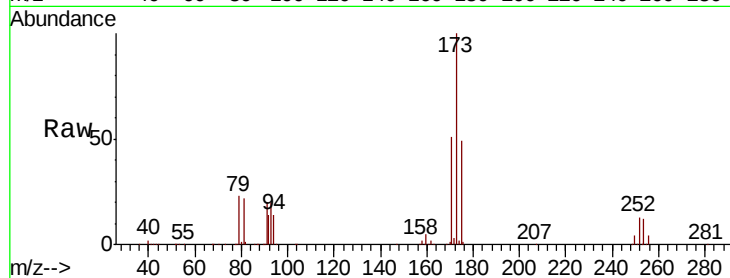
254 0.2 0.0 0.0#

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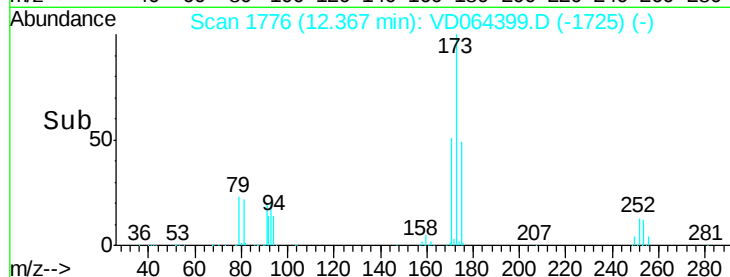


Abundance Ion 172.70 (172.40 to 173.40): V

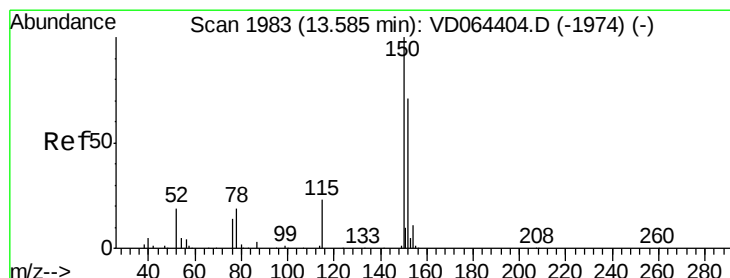
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

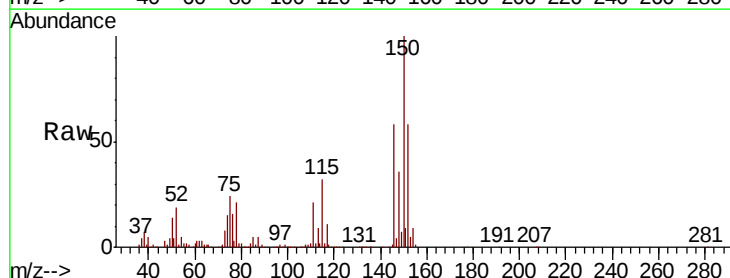
Tgt Ion:152 Resp: 332368

Ion Ratio Lower Upper

152 100

115 54.6 26.7 80.1

150 203.8 0.0 347.2

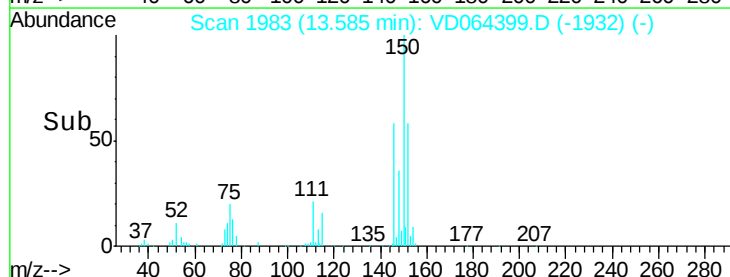


Abundance Ion 151.90 (151.60 to 152.60): V

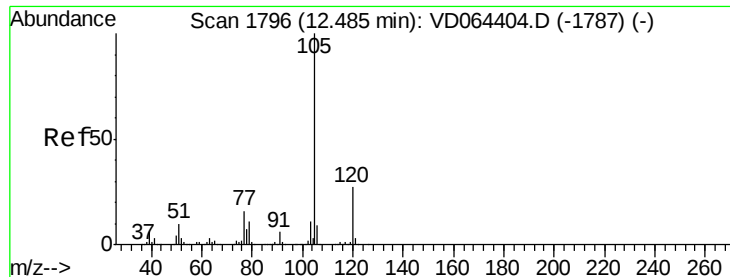
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->



Time-->



#73

Isopropylbenzene

Concen: 143.550 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3431451

Ion Ratio Lower Upper

105 100

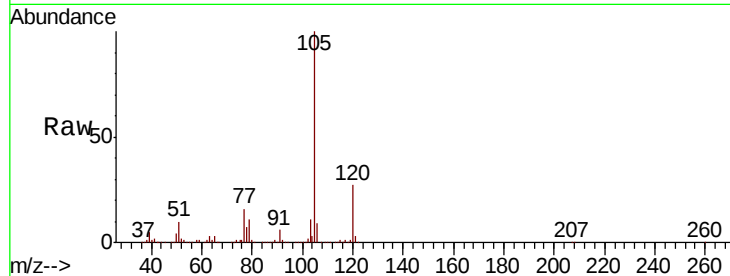
120 27.0 13.4 40.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

1500000

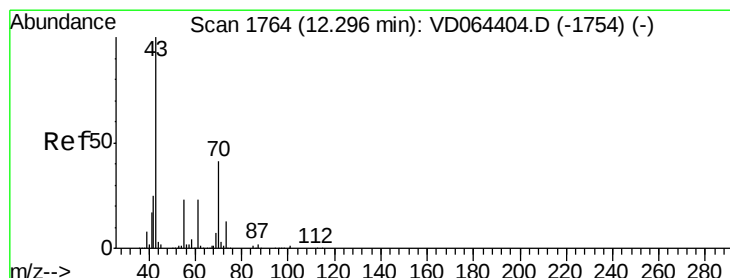
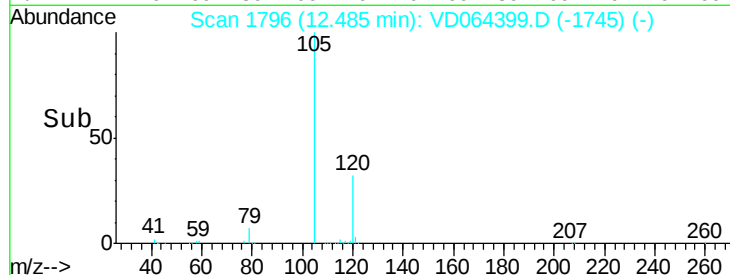
1000000

500000

0

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 146.630 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Tgt Ion: 43 Resp: 795525

Ion Ratio Lower Upper

43 100

70 41.6 33.4 50.2

55 23.0 18.9 28.3

61 23.6 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

800000

600000

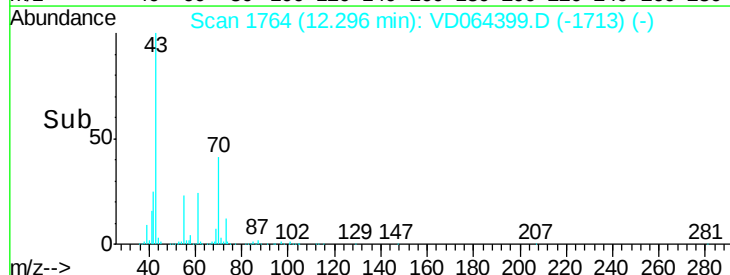
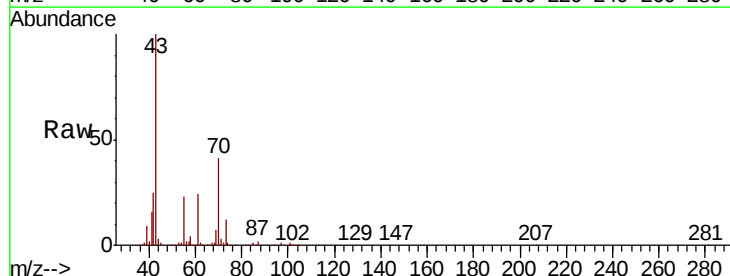
400000

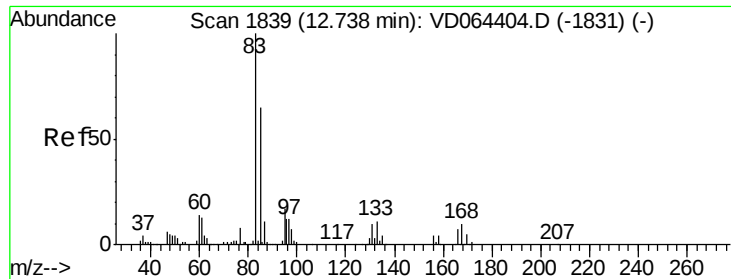
200000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 136.113 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 538060

Ion Ratio Lower Upper

83 100

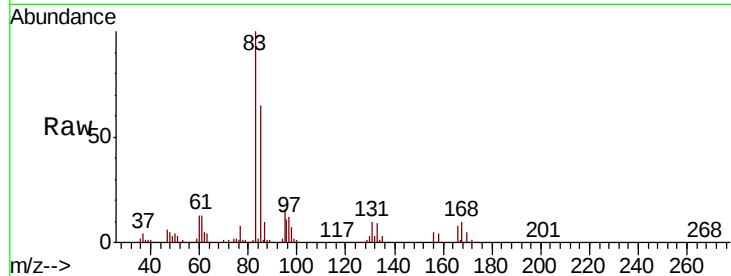
131 11.6 5.7 17.0

85 64.8 31.3 93.9

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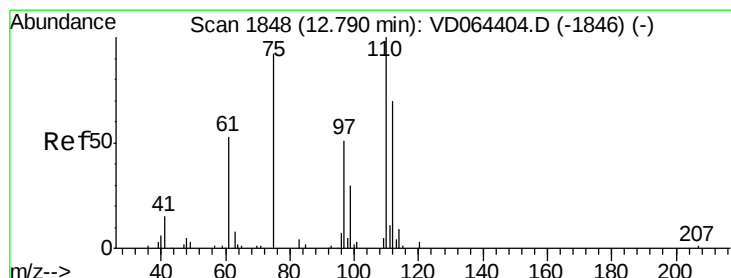
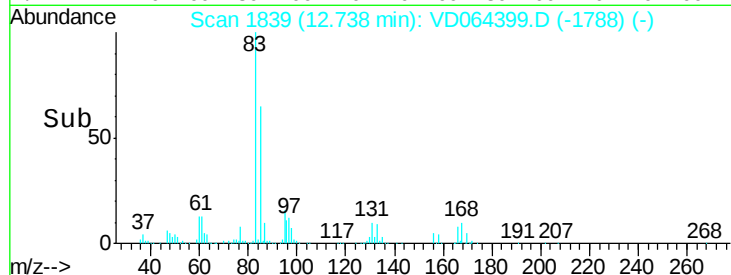
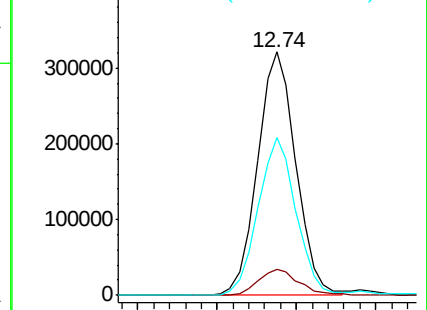
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Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 131.947 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064399.D

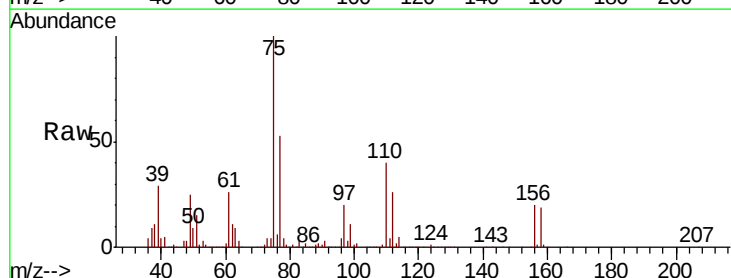
Acq: 27 Nov 2019 16:31

Tgt Ion: 75 Resp: 360650

Ion Ratio Lower Upper

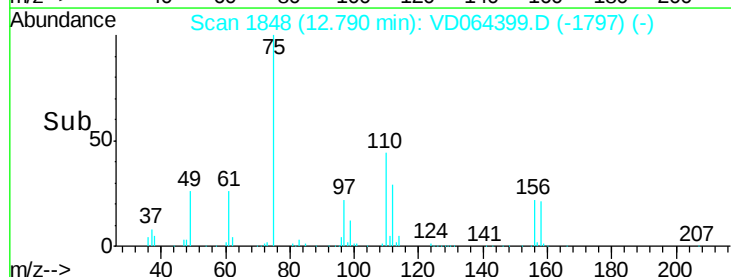
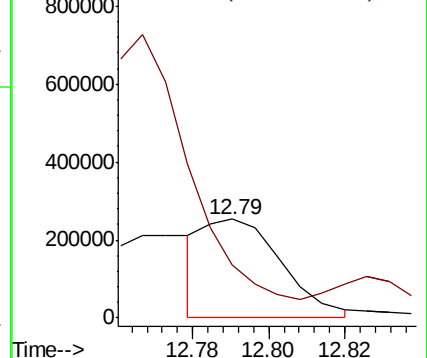
75 100

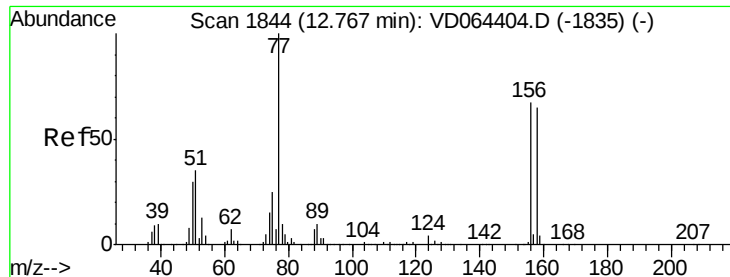
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 139.841 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

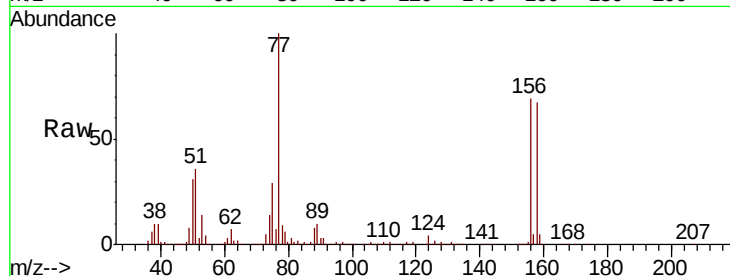
ClientSampleID :

VSTDIC150

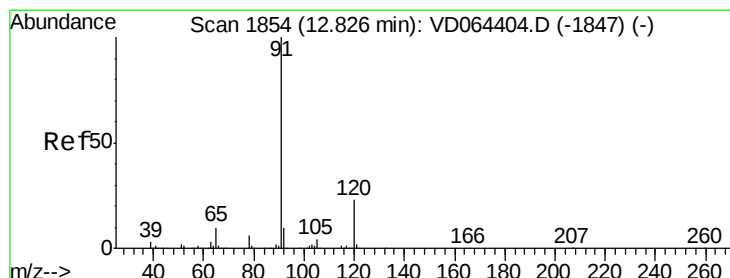
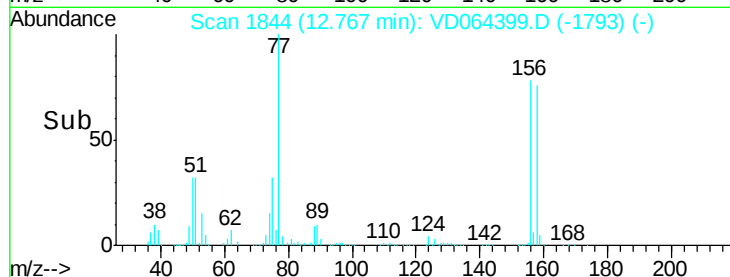
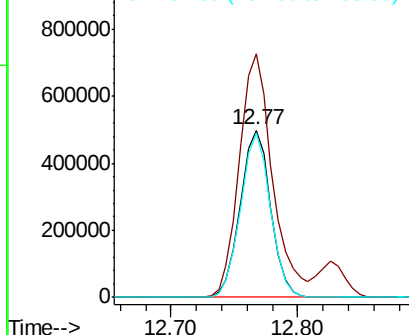
Tot Ion:	156	Resp:	825491
Ion Ratio	Lower	Upper	
156	100		
77	160.8	80.0	240.2
158	97.1	48.9	146.6

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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: 142.332 ug/l

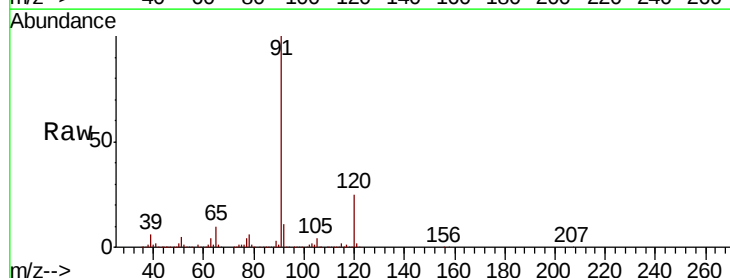
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

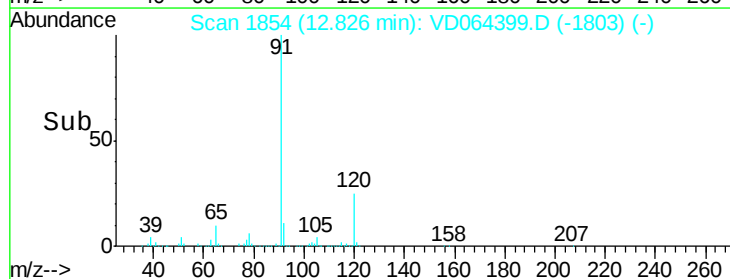
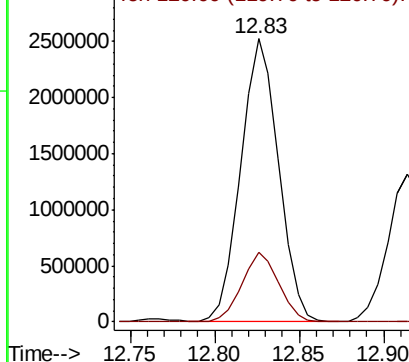
Lab File: VD064399.D

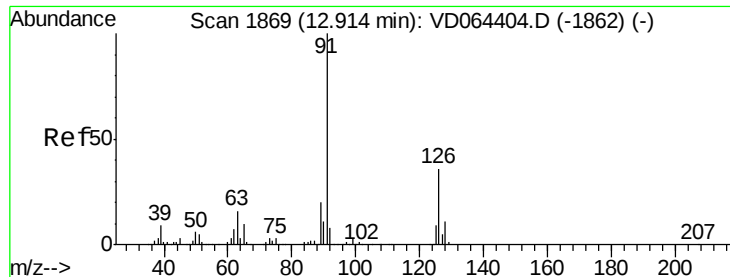
Acq: 27 Nov 2019 16:31

Tgt Ion:	91	Resp:	3925655
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





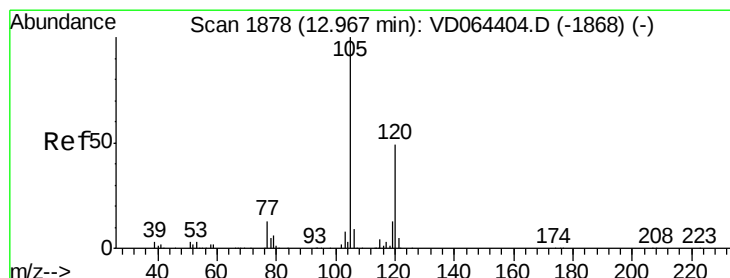
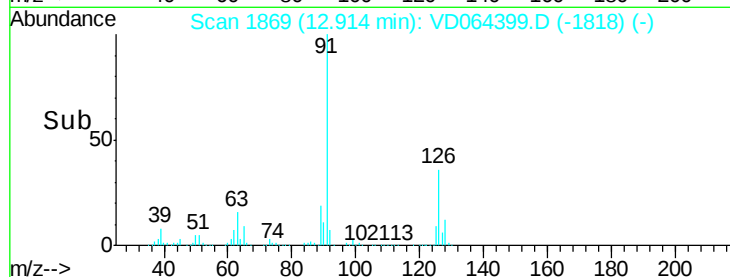
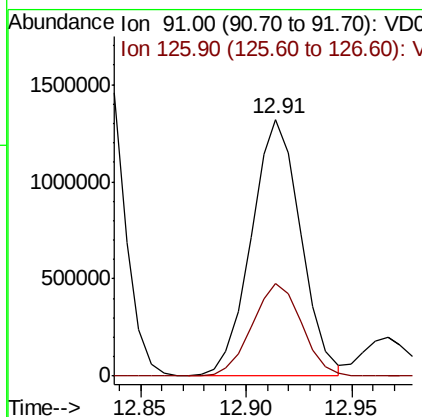
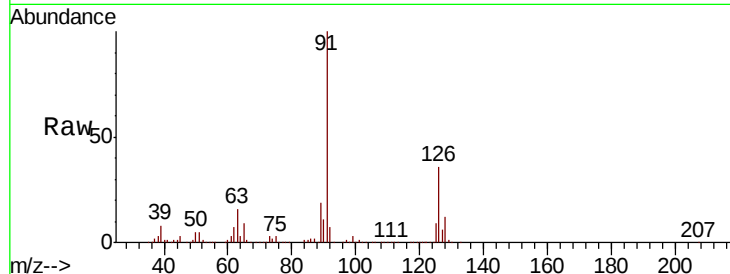
#79
2-Chlorotoluene
Concen: 141.518 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2147717
Ion Ratio Lower Upper
91 100
126 36.3 18.0 54.0

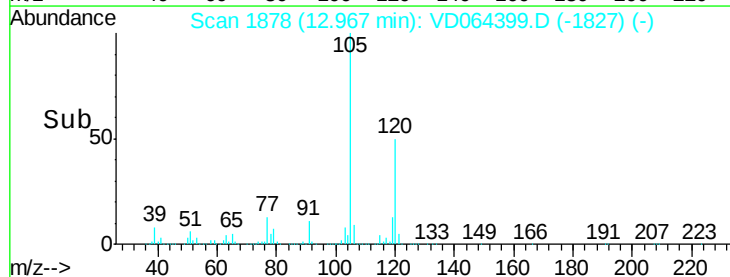
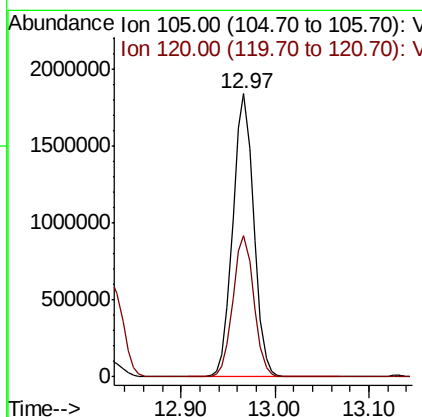
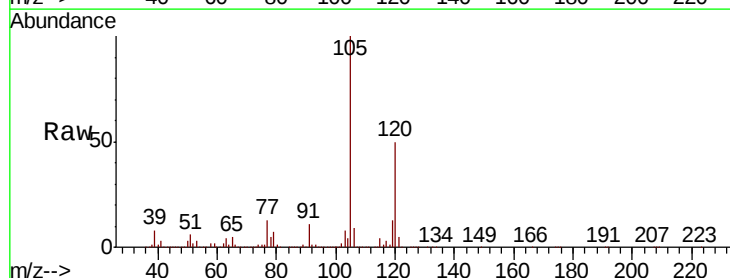
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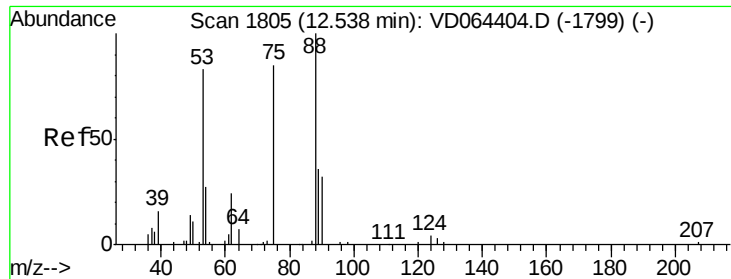
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#80
1,3,5-Trimethylbenzene
Concen: 145.112 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion: 105 Resp: 2834673
Ion Ratio Lower Upper
105 100
120 50.1 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 153.894 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

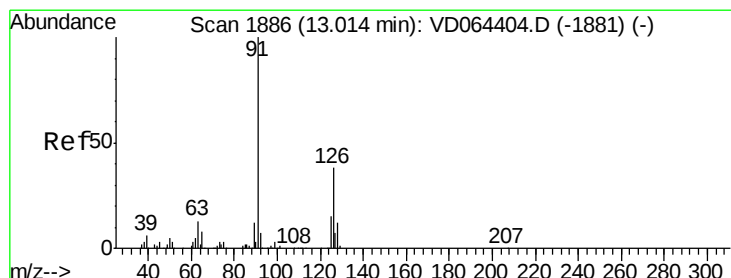
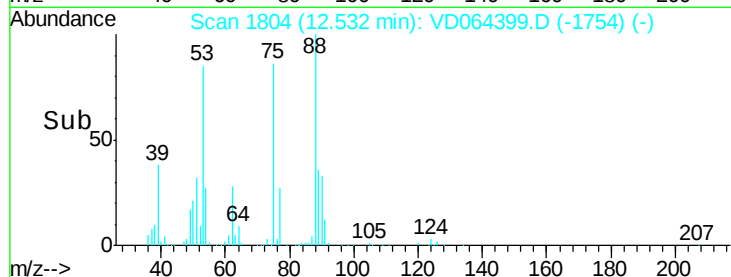
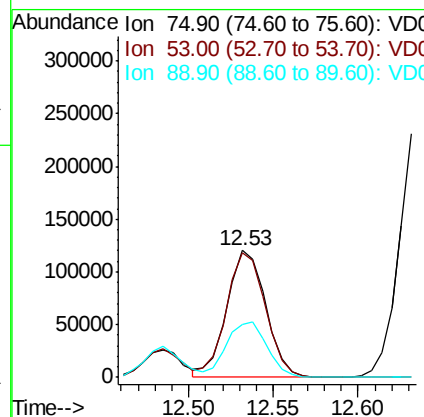
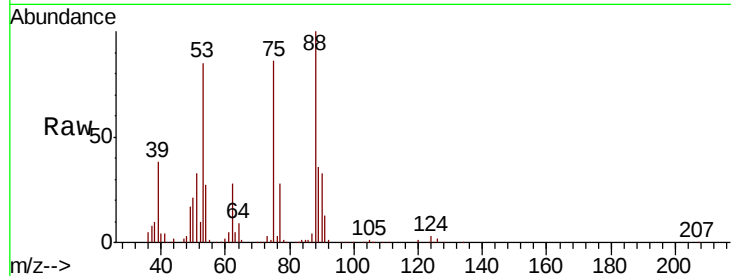
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	192906
Ion Ratio	Lower	Upper	
75	100		
53	99.9	81.0	121.6
89	45.6	38.5	57.7

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#82

4-Chlorotoluene

Concen: 142.369 ug/l

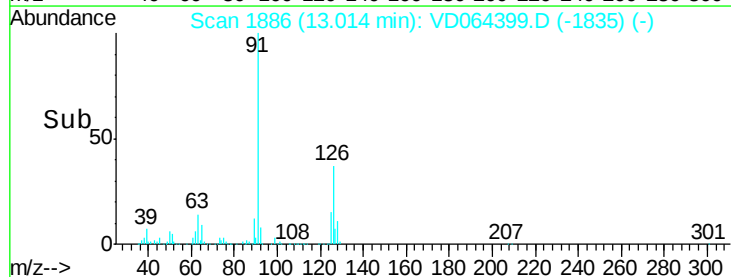
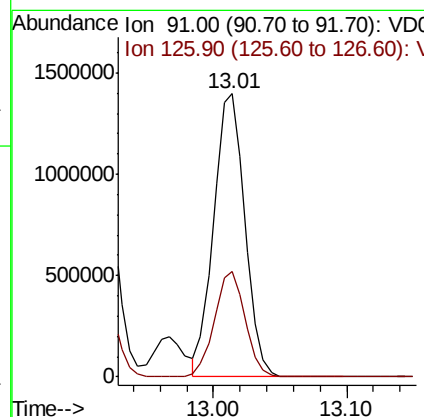
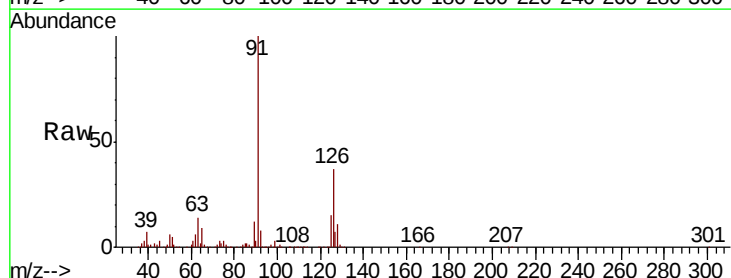
RT: 13.01 min Scan# 1886

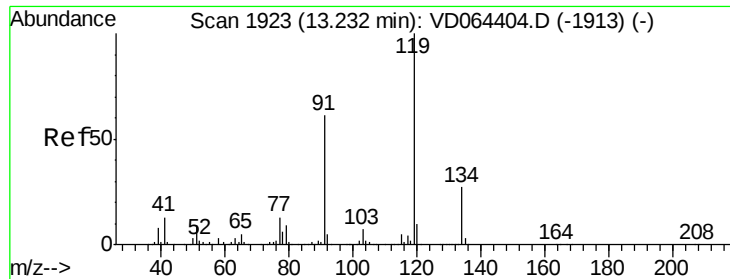
Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Tgt Ion:	91	Resp:	2287652
Ion Ratio	Lower	Upper	
91	100		
126	36.7	18.2	54.6





#83

tert-Butylbenzene

Concen: 144.548 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD064399.D

Acq: 27 Nov 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 2454822

Ion Ratio Lower Upper

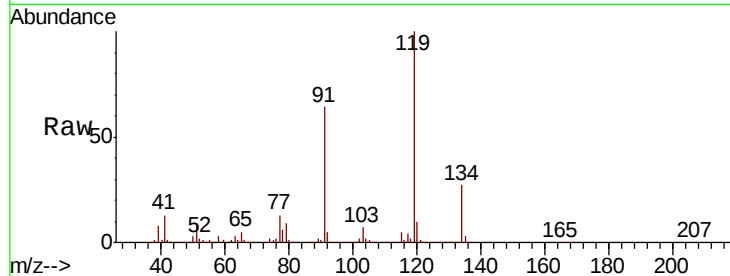
119 100

91 63.6 31.2 93.6

134 28.1 13.9 41.7

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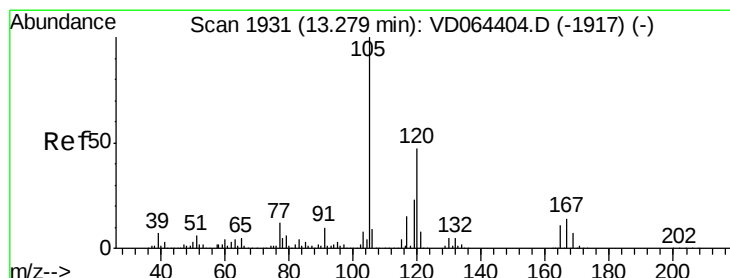
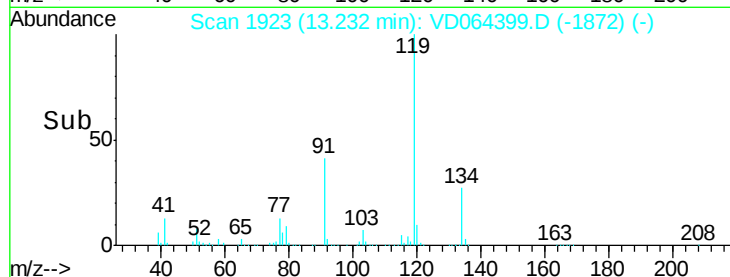
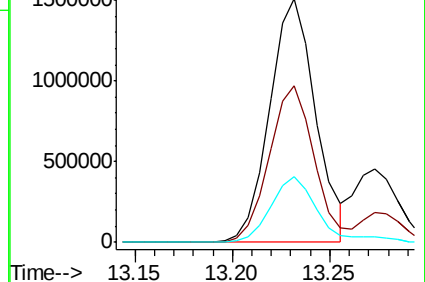
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 143.533 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064399.D

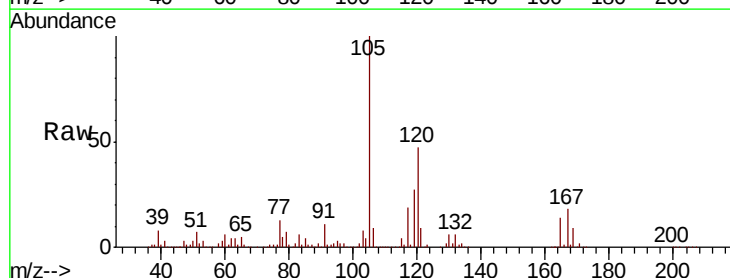
Acq: 27 Nov 2019 16:31

Tgt Ion:105 Resp: 2819346

Ion Ratio Lower Upper

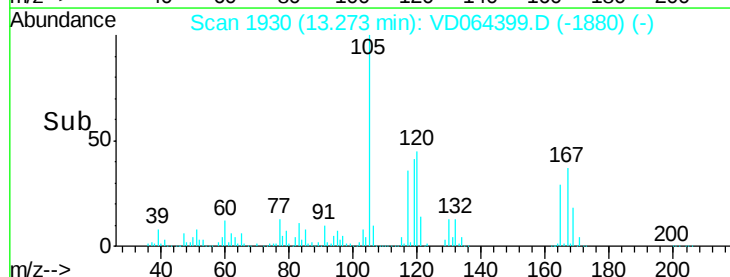
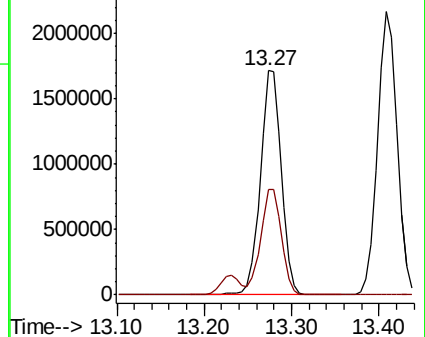
105 100

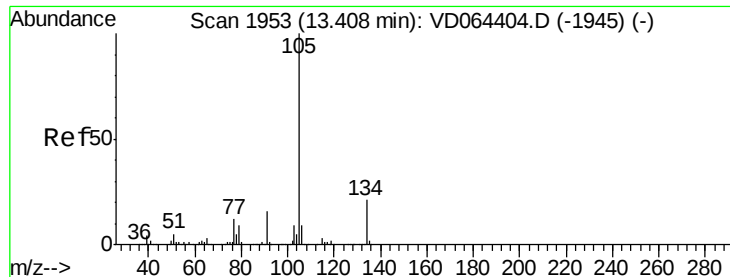
120 46.6 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





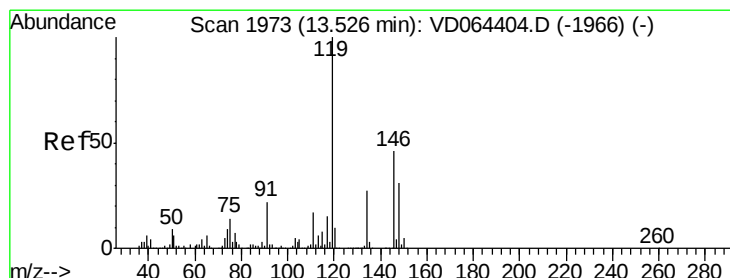
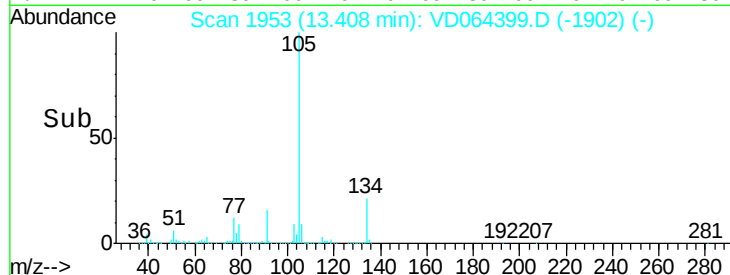
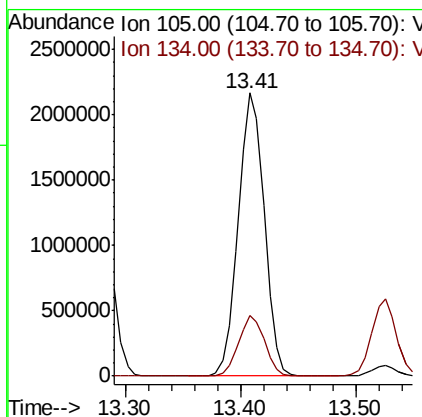
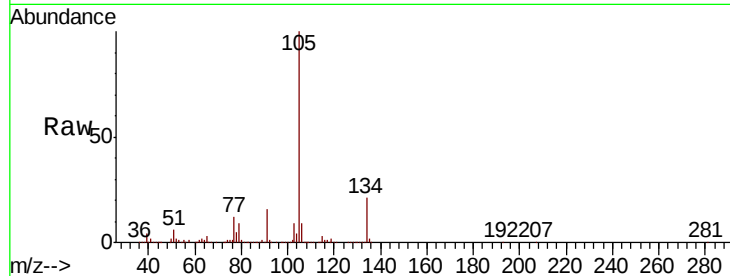
#85
 sec-Butylbenzene
 Concen: 145.136 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064399.D
 Acq: 27 Nov 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC150

Tot Ion:105 Resp: 3382909
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.5 31.5

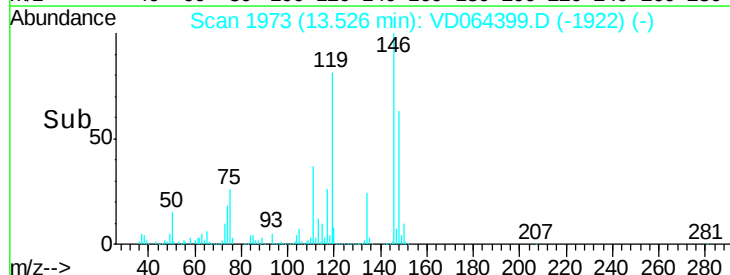
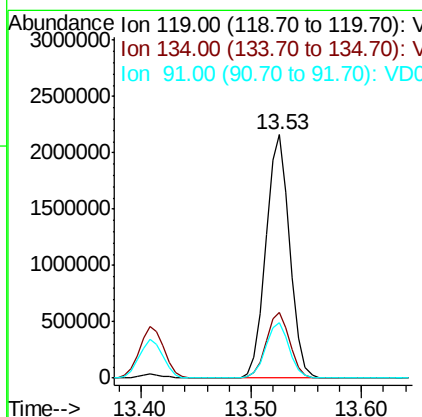
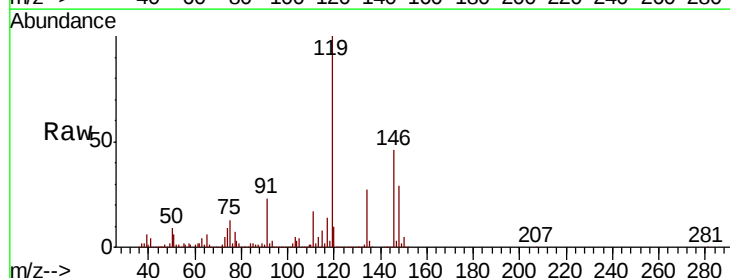
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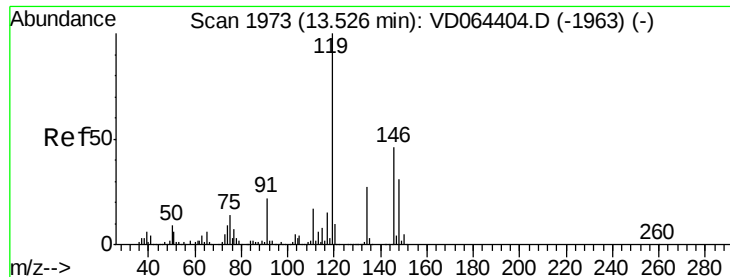
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#86
 p-Isopropyltoluene
 Concen: 147.812 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064399.D
 Acq: 27 Nov 2019 16:31

Tgt Ion:119 Resp: 3252661
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.4
 91 22.7 11.2 33.5





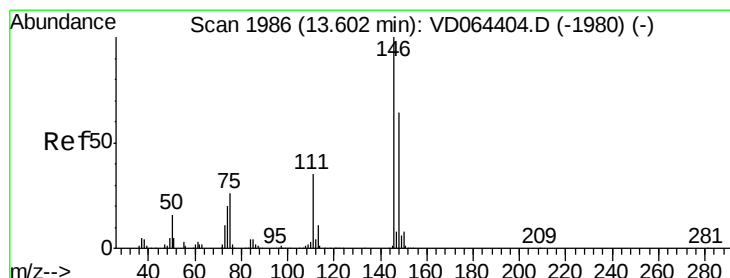
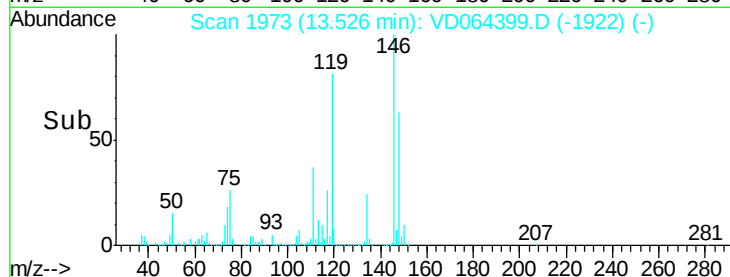
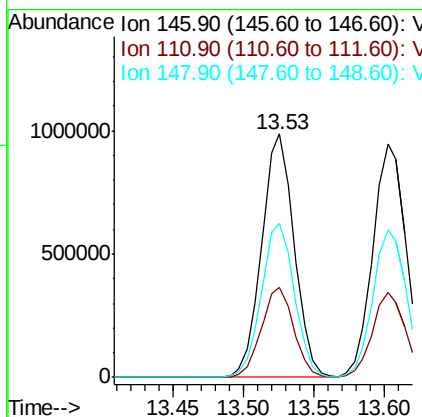
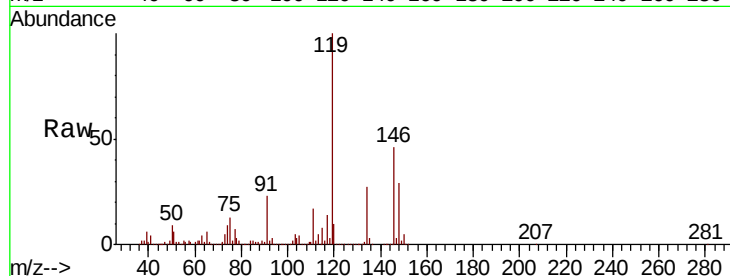
#87
 1,3-Dichlorobenzene
 Concen: 142.677 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064399.D
 Acq: 27 Nov 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.8	56.4
148	64.2	32.6	97.8

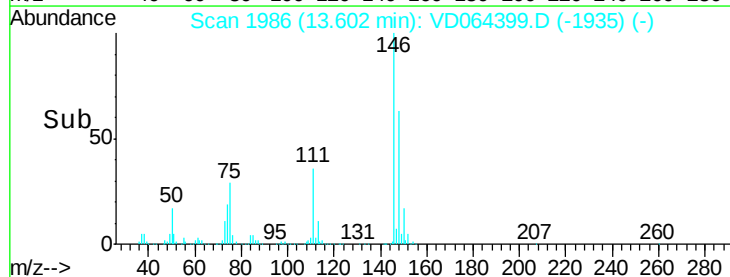
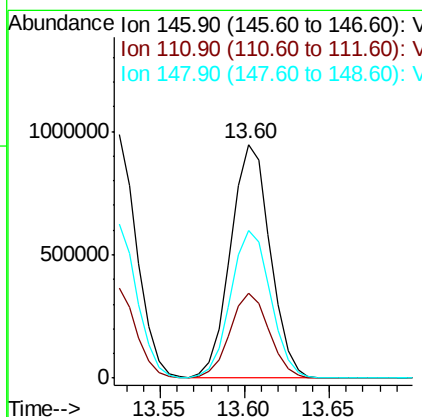
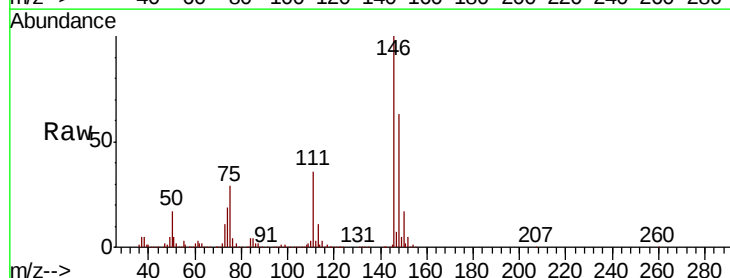
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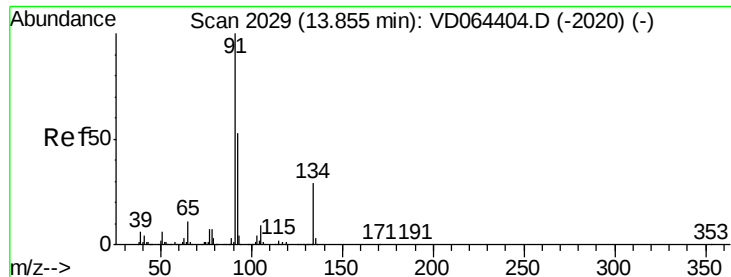
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#88
 1,4-Dichlorobenzene
 Concen: 139.688 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064399.D
 Acq: 27 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.2	54.6
148	63.9	31.8	95.4





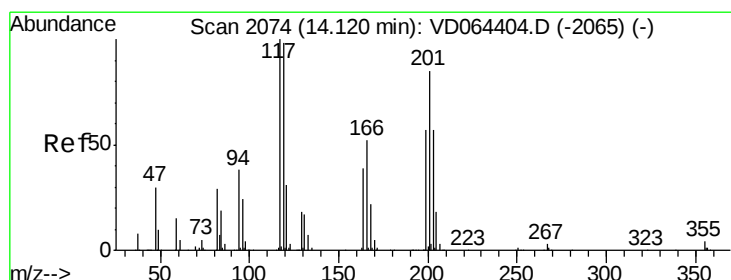
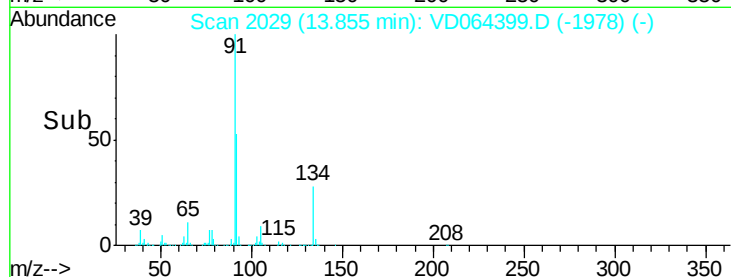
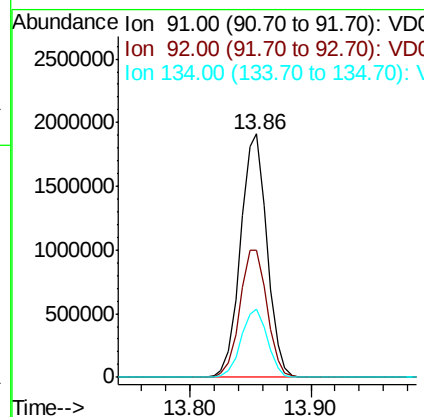
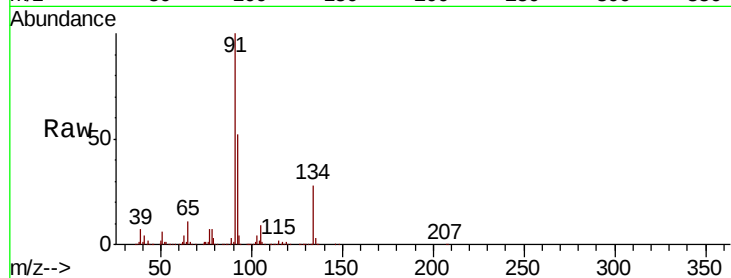
#89
n-Butylbenzene
Concen: 145.691 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.5	79.4
134	28.1	13.9	41.7

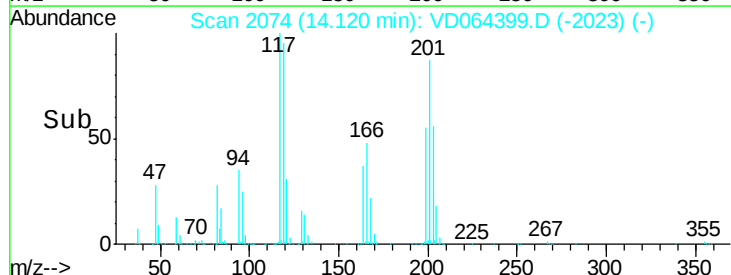
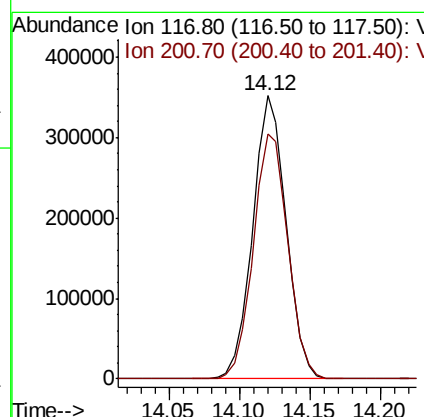
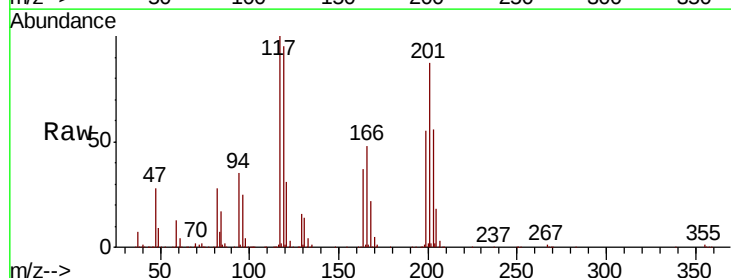
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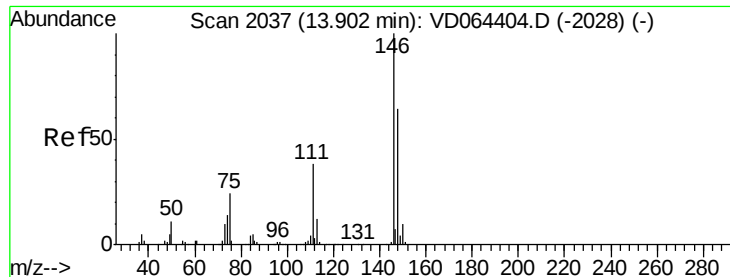
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#90
Hexachloroethane
Concen: 141.938 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.6	44.3	132.8





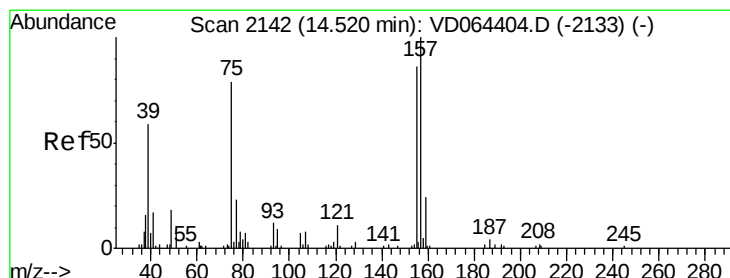
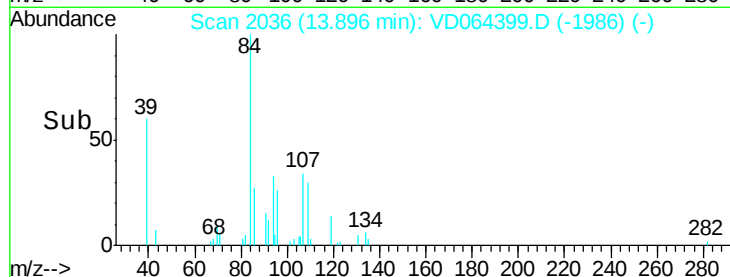
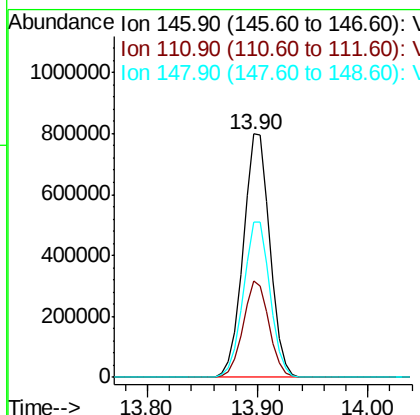
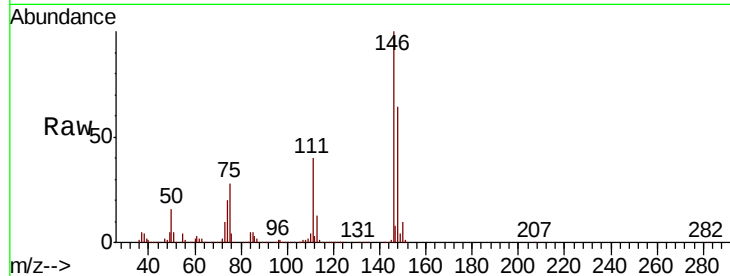
#91
 1,2-Dichlorobenzene
 Concen: 140.841 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064399.D
 Acq: 27 Nov 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.3
148	64.3	32.0	96.0

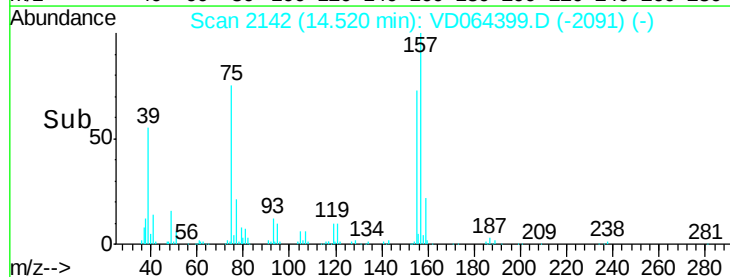
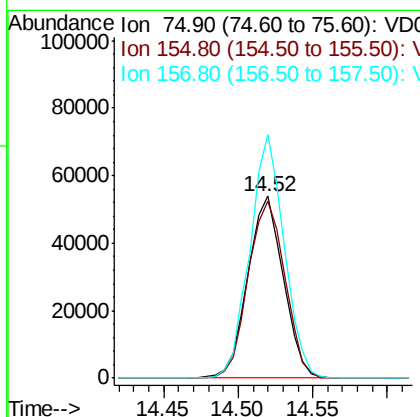
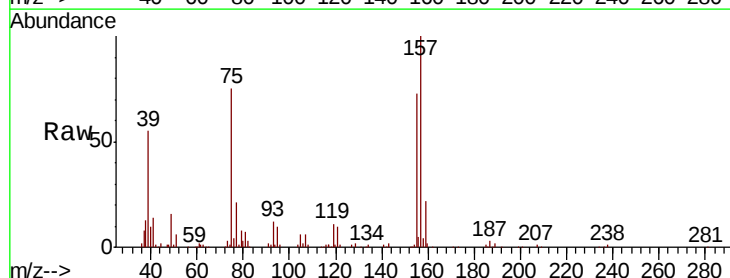
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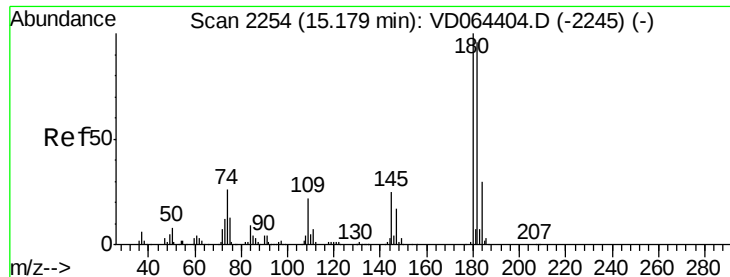
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 160.055 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064399.D
 Acq: 27 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.2	51.9	155.7
157	128.7	63.2	189.8





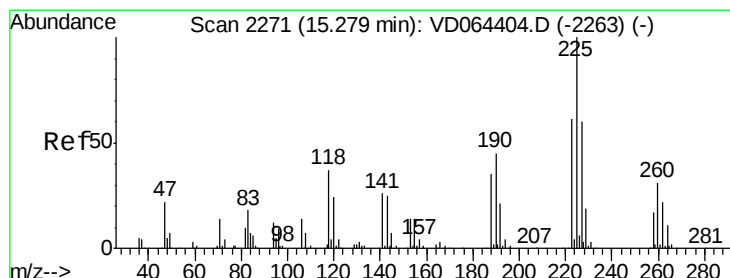
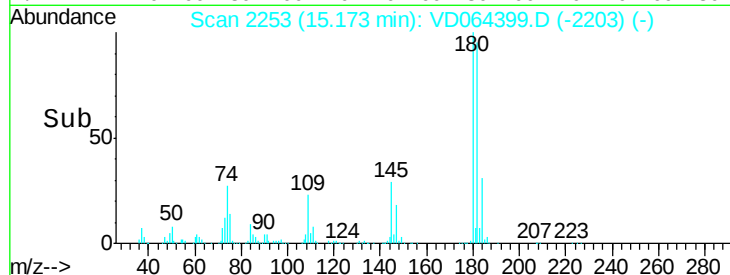
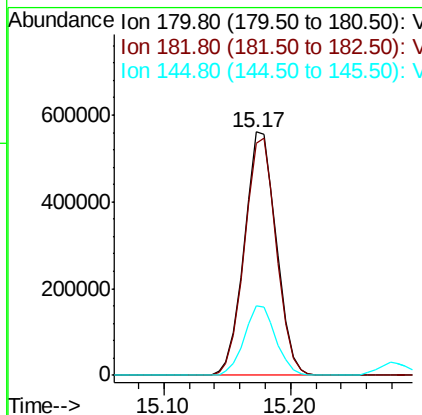
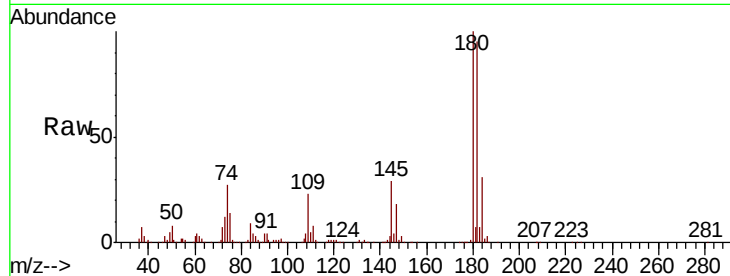
#93
 1,2,4-Trichlorobenzene
 Concen: 133.975 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064399.D
 Acq: 27 Nov 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	982445		
182	96.7	47.4	142.3	
145	28.2	14.0	41.9	

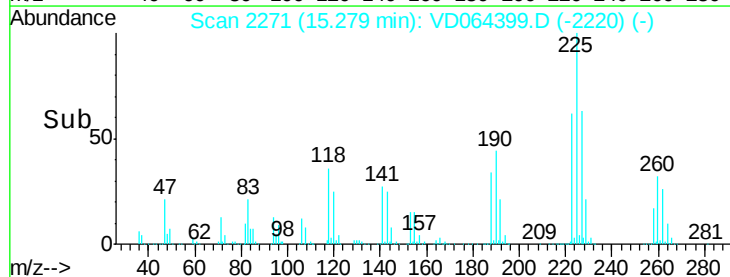
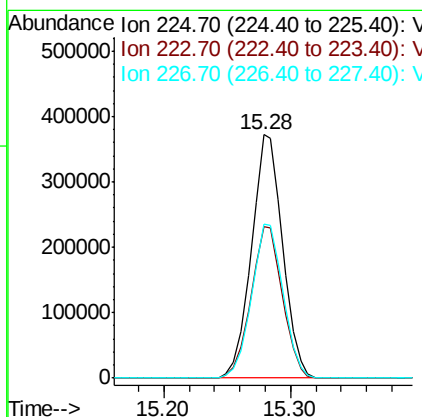
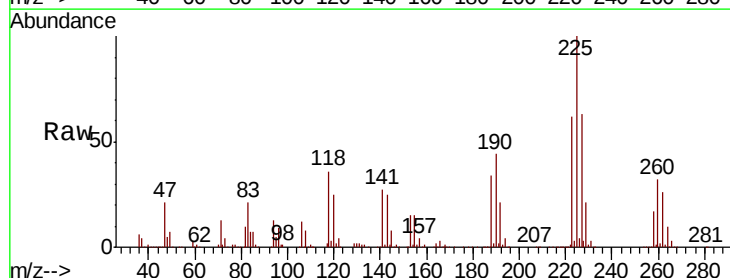
Manual Integrations
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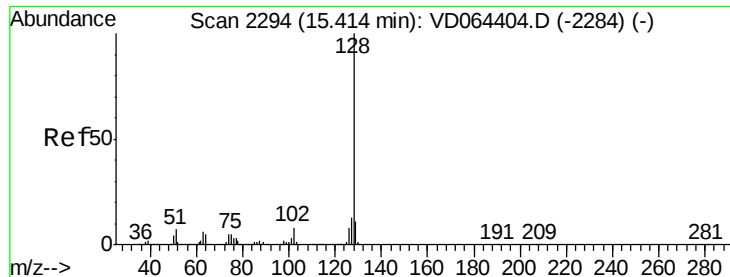
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#94
 Hexachlorobutadiene
 Concen: 140.473 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064399.D
 Acq: 27 Nov 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	635918		
223	62.9	31.1	93.3	
227	64.1	31.8	95.4	





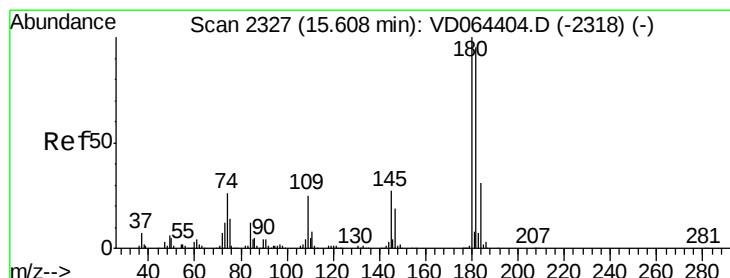
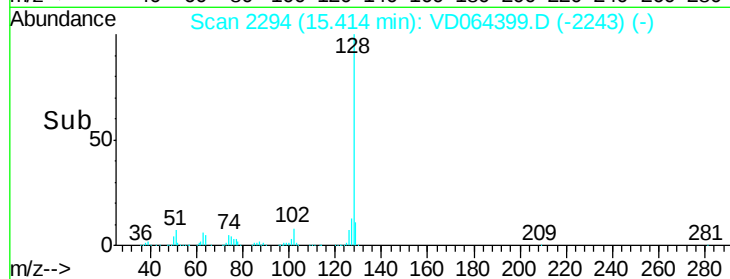
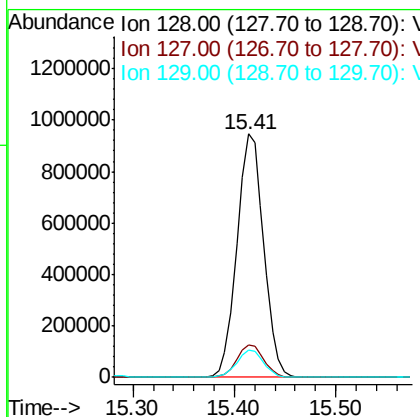
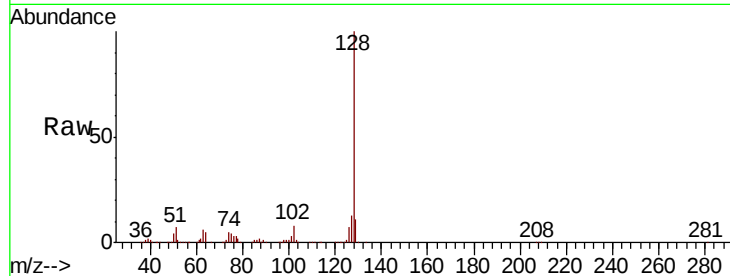
#95
Naphthalene
Concen: 140.901 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.0	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 137.225 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064399.D
Acq: 27 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.6	142.9
145	29.8	14.6	43.8

