

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064405.D
 Acq On : 27 Nov 2019 19:46
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:44 AM

Quant Time: Nov 29 07:11:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 06:39:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	499123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	723417	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	627628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	317698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	430083	105.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.44%	
35) Dibromofluoromethane	7.92	113	438357	105.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.38%	
50) Toluene-d8	10.34	98	1684056	108.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.24%	
62) 4-Bromofluorobenzene	12.64	95	528732	99.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	413370	99.629	ug/l	99
3) Chloromethane	2.21	50	503037	109.356	ug/l	100
4) Vinyl Chloride	2.35	62	631877	126.174	ug/l	100
5) Bromomethane	2.76	94	448554	138.571	ug/l	96
6) Chloroethane	2.91	64	417007	129.243	ug/l	98
7) Trichlorofluoromethane	3.27	101	1020858	125.018	ug/l	98
8) Diethyl Ether	3.70	74	206404	96.958	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	436153	98.627	ug/l	98
10) Methyl Iodide	4.29	142	569835	128.667	ug/l	99
11) Tert butyl alcohol	5.26	59	124775	437.458	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	420327	99.828	ug/l	99
13) Acrolein	3.92	56	168020	655.568	ug/l	100
14) Allyl chloride	4.71	41	671828	92.251	ug/l	99
15) Acrylonitrile	5.43	53	444128	486.639	ug/l	98
16) Acetone	4.16	43	383385	400.120	ug/l	94
17) Carbon Disulfide	4.40	76	1352379	102.750	ug/l	98
18) Methyl Acetate	4.73	43	227106	84.254	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	948720	94.676	ug/l	100
20) Methylene Chloride	4.96	84	444556	90.001	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	479244	100.277	ug/l	99
22) Diisopropyl ether	6.37	45	1291912	94.223	ug/l	97
23) Vinyl Acetate	6.31	43	3912055	507.704	ug/l	99
24) 1,1-Dichloroethane	6.26	63	787916	98.527	ug/l	97
25) 2-Butanone	7.22	43	564175	448.675	ug/l	100
26) 2,2-Dichloropropane	7.21	77	684070	88.939	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	524151	101.783	ug/l	99
28) Bromochloromethane	7.55	49	278426	100.171	ug/l	98
29) Tetrahydrofuran	7.57	42	357754	471.743	ug/l	99
30) Chloroform	7.71	83	815200	99.348	ug/l	99
31) Cyclohexane	7.98	56	721765	89.941	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	761632	97.486	ug/l	99
36) 1,1-Dichloropropene	8.11	75	650146	98.091	ug/l	99
37) Ethyl Acetate	7.30	43	260281	92.233	ug/l	99
38) Carbon Tetrachloride	8.10	117	705359	99.072	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	804015	95.322	ug/l	100
40) Benzene	8.35	78	1827939	100.159	ug/l	98
41) Methacrylonitrile	7.53	41	149604	84.638	ug/l	91
42) 1,2-Dichloroethane	8.43	62	516560	94.607	ug/l	99
43) Isopropyl Acetate	8.46	43	519043	89.934	ug/l	99
44) Trichloroethene	9.11	130	535417	98.036	ug/l	98
45) 1,2-Dichloropropane	9.39	63	426733	95.864	ug/l	98
46) Dibromomethane	9.48	93	238038	99.153	ug/l	98
47) Bromodichloromethane	9.67	83	626256	97.444	ug/l	100
48) Methyl methacrylate	9.46	41	239245	85.443	ug/l	96
49) 1,4-Dioxane	9.47	88	55535	1923.456	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	1282422	460.965	ug/l	100
52) Toluene	10.41	92	1203735	100.533	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	602967	94.436	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	711143	95.268	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	324200	99.751	ug/l	97
56) Ethyl methacrylate	10.67	69	420826	93.497	ug/l	98
57) 1,3-Dichloropropane	10.95	76	553099	97.831	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	771836	430.406	ug/l	100
59) 2-Hexanone	10.99	43	878541	446.592	ug/l	99
60) Dibromochloromethane	11.14	129	444664	98.140	ug/l	99
61) 1,2-Dibromoethane	11.25	107	319818	98.204	ug/l	99
64) Tetrachloroethene	10.88	164	466380	97.348	ug/l	98
65) Chlorobenzene	11.67	112	1257056	98.676	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	487006	100.629	ug/l	98
67) Ethyl Benzene	11.75	91	2296239	99.873	ug/l	99
68) m/p-Xylenes	11.86	106	1773964	201.423	ug/l	100
69) o-Xylene	12.18	106	816950	100.014	ug/l	100
70) Styrene	12.20	104	1444718	101.482	ug/l	99
71) Bromoform	12.37	173	272122	98.502	ug/l #	100
73) Isopropylbenzene	12.48	105	2221620	96.030	ug/l	99
74) N-amyl acetate	12.30	43	483571	88.443	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	335487	94.361	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	263570m	103.945	ug/l	
77) Bromobenzene	12.77	156	534166	94.689	ug/l	99
78) n-propylbenzene	12.83	91	2578074	97.516	ug/l	99
79) 2-Chlorotoluene	12.91	91	1407839	94.619	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1831899	96.273	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	112758	88.812	ug/l	99
82) 4-Chlorotoluene	13.01	91	1485673	95.497	ug/l	100
83) tert-Butylbenzene	13.23	119	1599336	95.788	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1841247	98.013	ug/l	99
85) sec-Butylbenzene	13.41	105	2173181	96.518	ug/l	99
86) p-Isopropyltoluene	13.53	119	2109774	98.639	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1045450	99.494	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1004328	98.224	ug/l	99
89) n-Butylbenzene	13.86	91	1880247	97.259	ug/l	99
90) Hexachloroethane	14.12	117	382651	96.494	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	871702	97.758	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	53766	86.223	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	659366	96.355	ug/l	100
94) Hexachlorobutadiene	15.28	225	413815	93.976	ug/l	99
95) Naphthalene	15.41	128	1074057	95.055	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	554659	94.754	ug/l	99

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

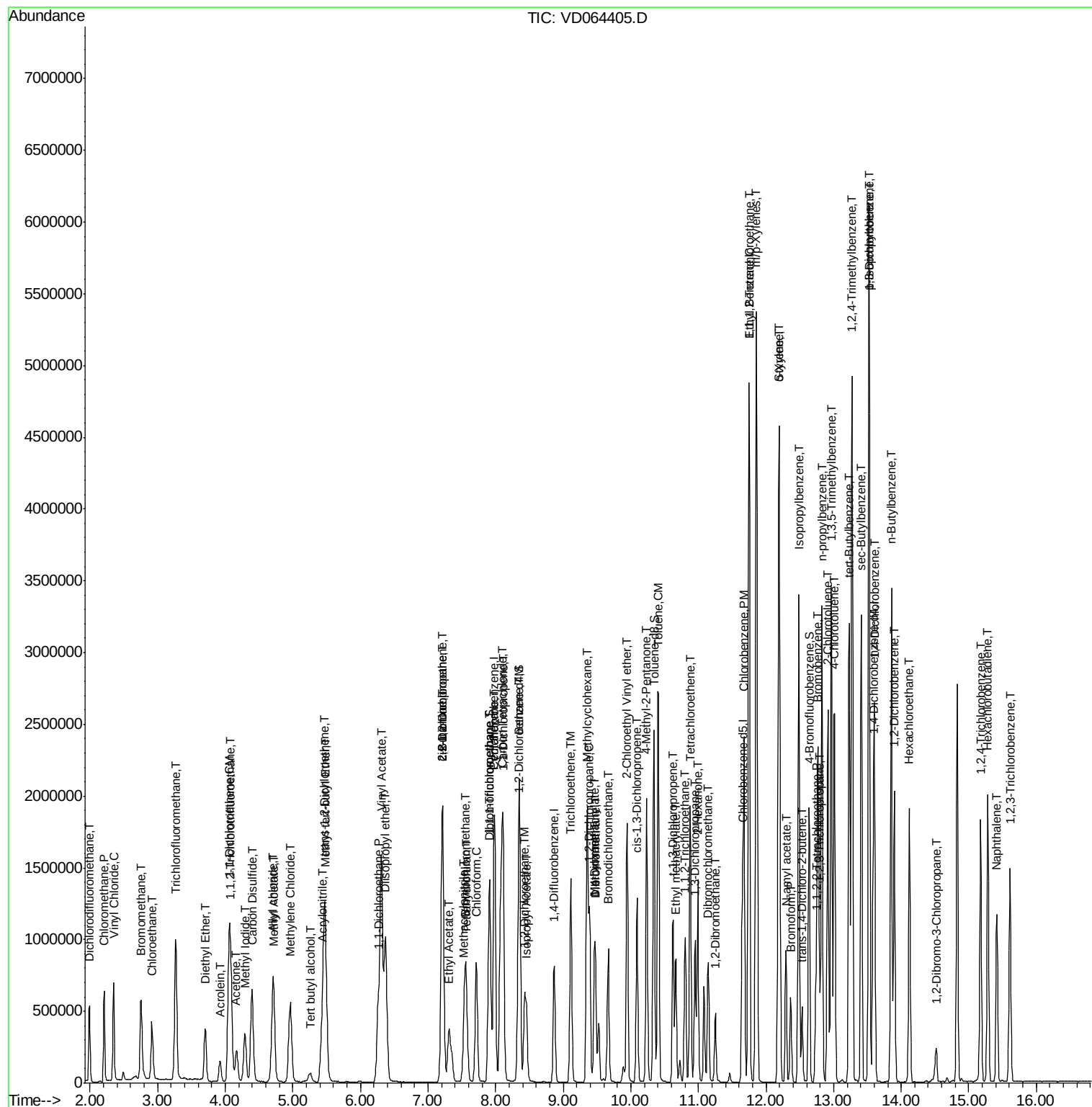
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Data File : VD064405.D
Acq On : 27 Nov 2019 19:46
Operator : VA/SY
Sample : VSTDICC100
Misc : 5.00G/5.00ml/MSVOA D/SOIL
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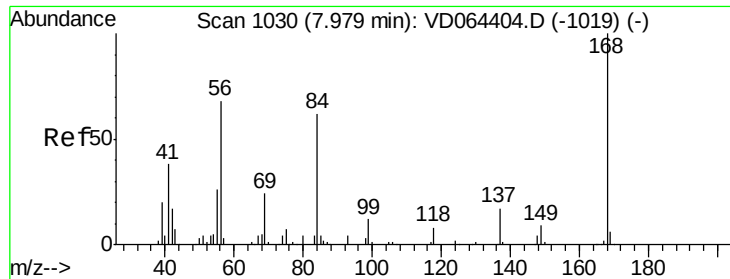
Instrument :
MSVOA_D
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 499123

Ion Ratio Lower Upper

168 100

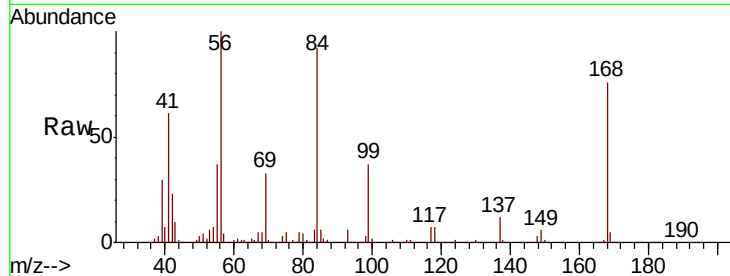
99 48.5 40.7 61.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

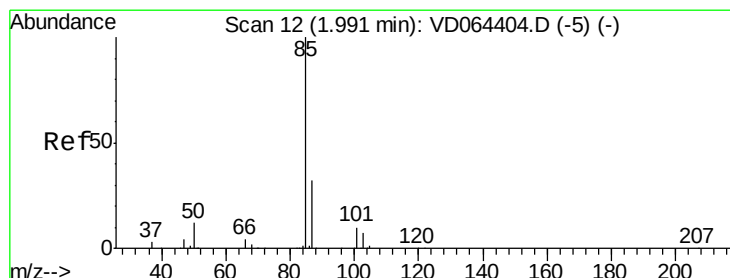
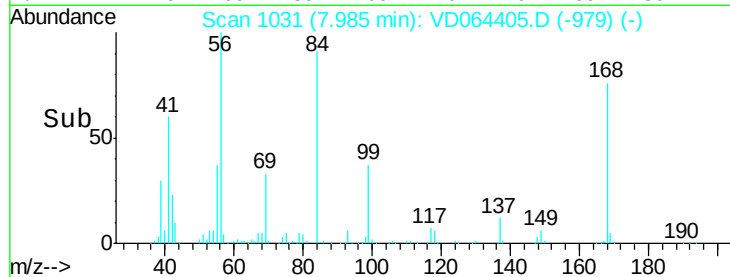
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 99.629 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064405.D

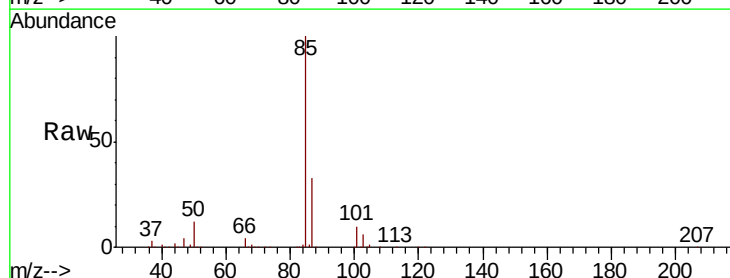
Acq: 27 Nov 2019 19:46

Tgt Ion: 85 Resp: 413370

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

300000

200000

100000

0

1.90

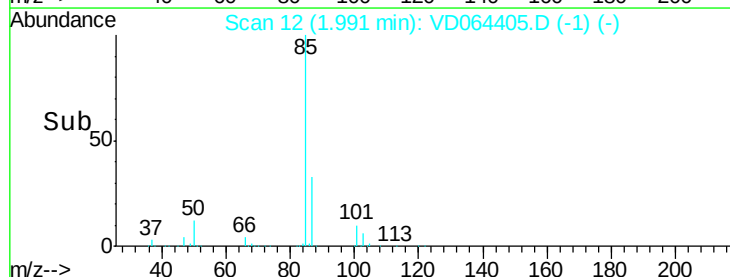
1.95

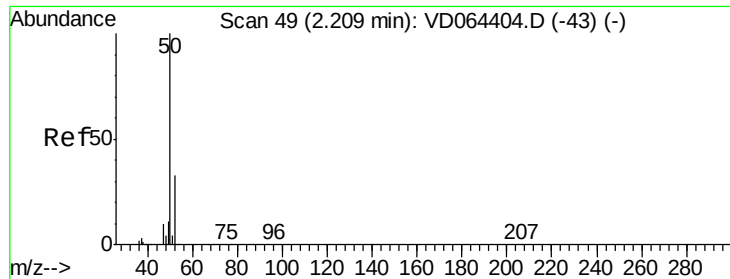
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 109.356 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 503037

Ion Ratio Lower Upper

50 100

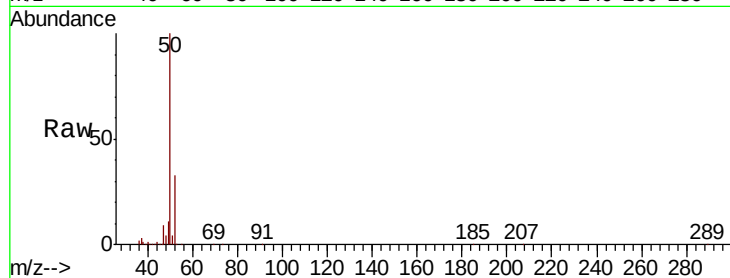
52 33.4 26.7 40.1

Manual Integrations

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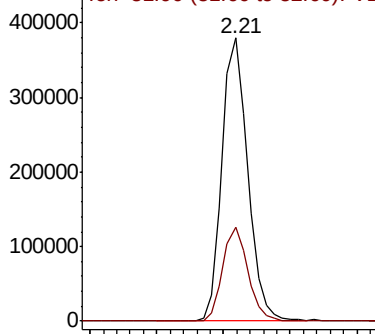
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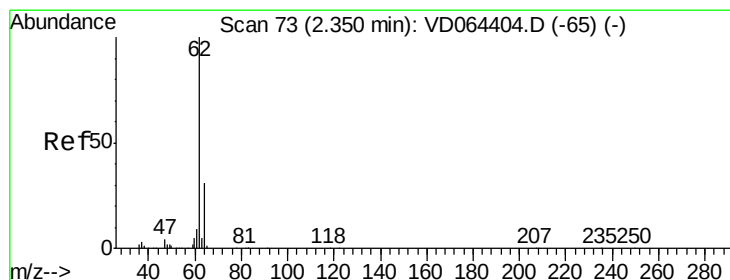
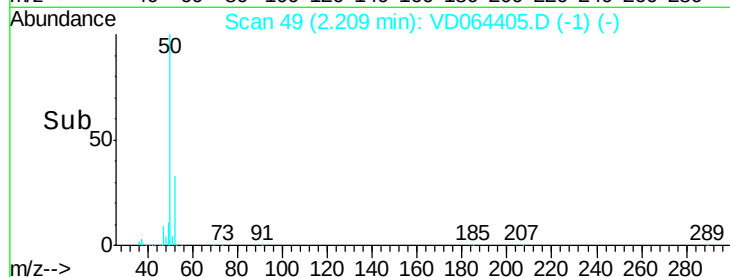


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 126.174 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064405.D

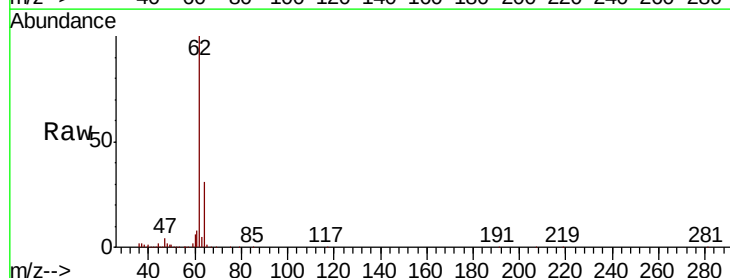
Acq: 27 Nov 2019 19:46

Tgt Ion: 62 Resp: 631877

Ion Ratio Lower Upper

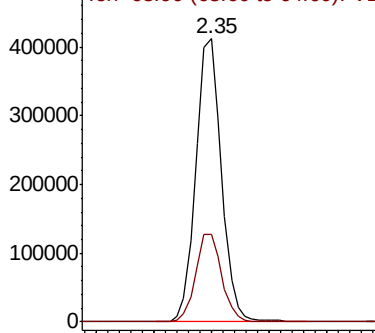
62 100

64 31.1 25.0 37.4

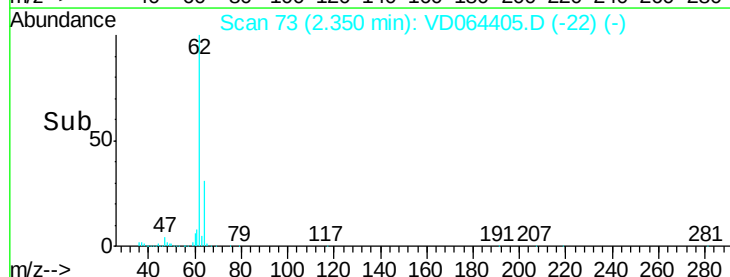


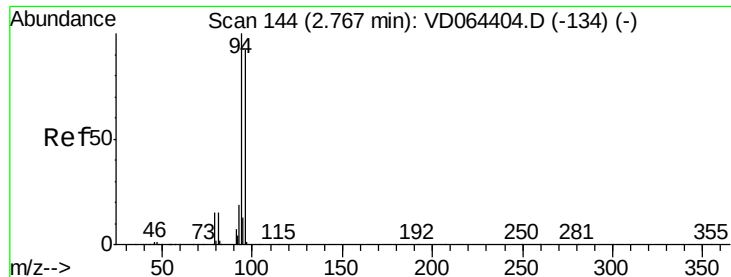
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time-->





#5

Bromomethane

Concen: 138.571 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

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Tot Ion: 94 Resp: 448554

Ion Ratio Lower Upper

94 100

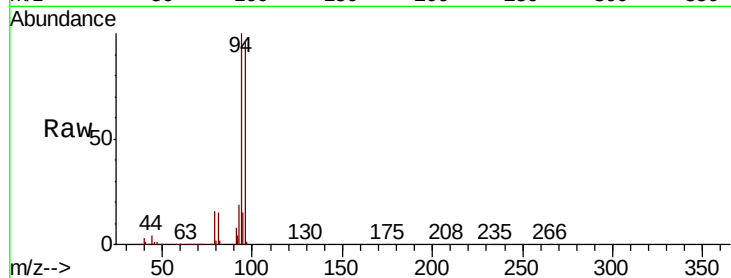
96 95.8 73.6 110.4

Manual Integrations

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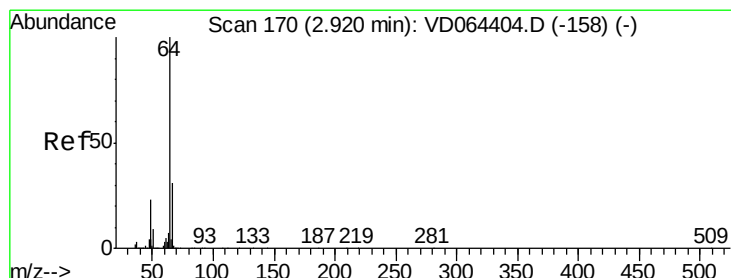
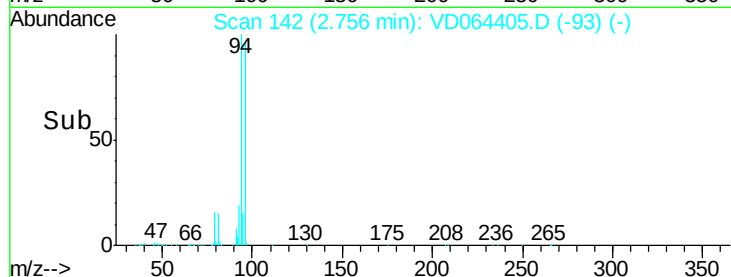
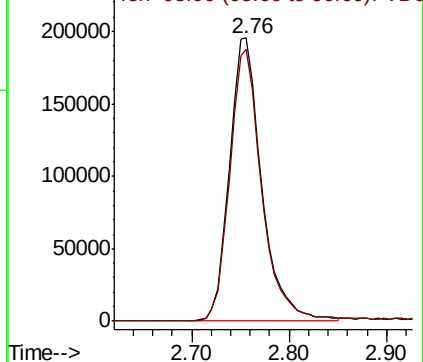
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 129.243 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064405.D

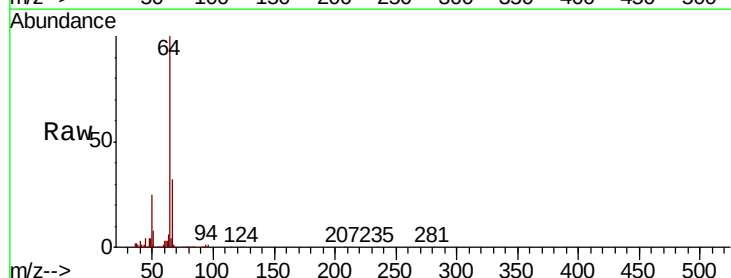
Acq: 27 Nov 2019 19:46

Tgt Ion: 64 Resp: 417007

Ion Ratio Lower Upper

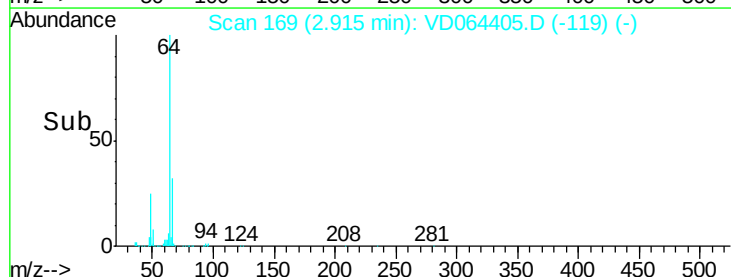
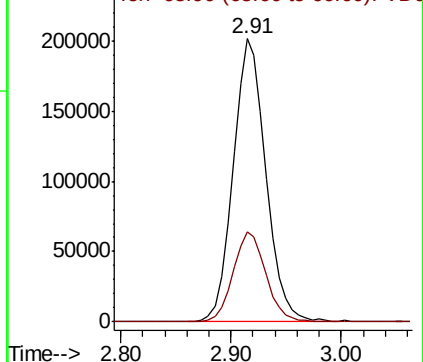
64 100

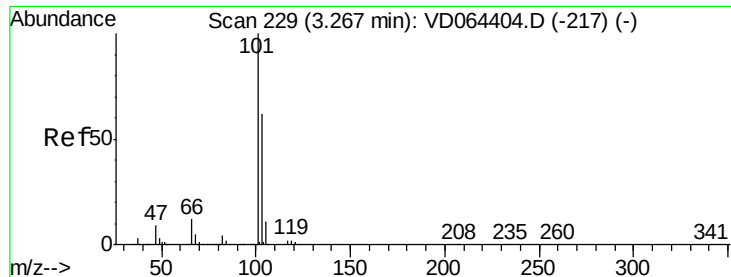
66 31.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

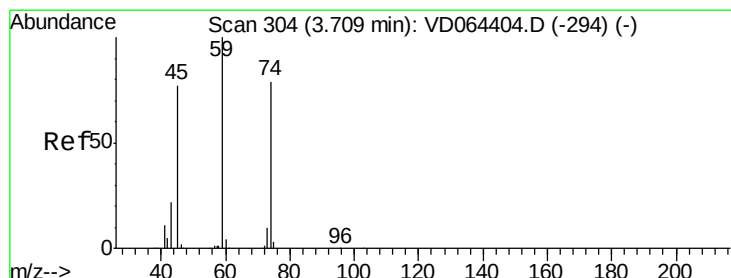
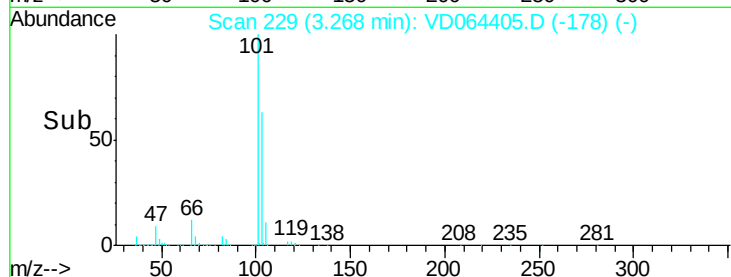
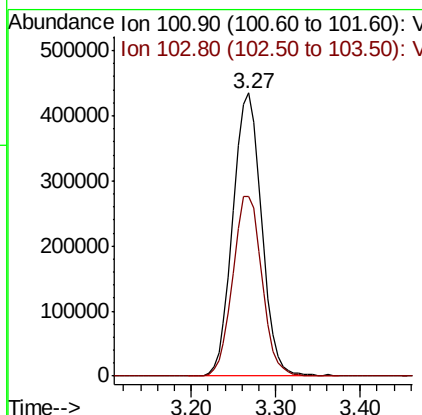
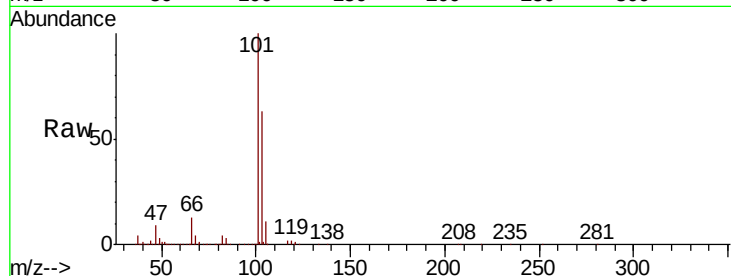
Trichlorofluoromethane
 Concen: 125.018 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Instrument :
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 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	49.8	74.6

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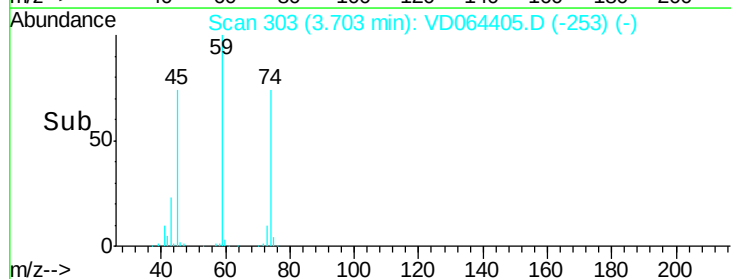
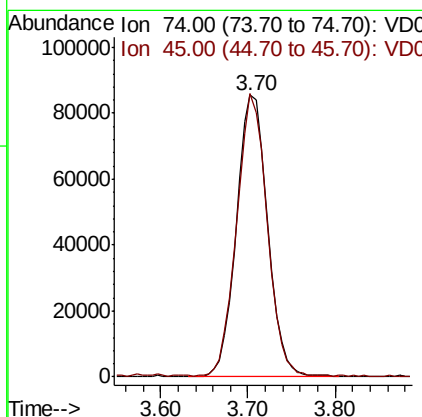
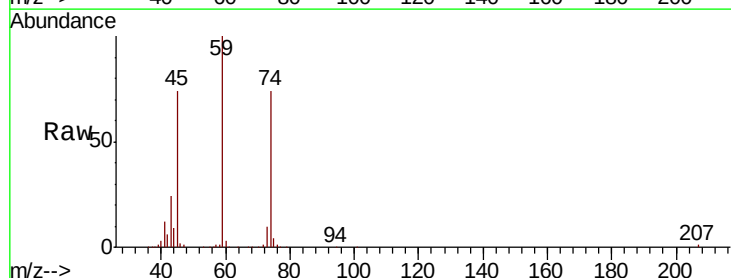
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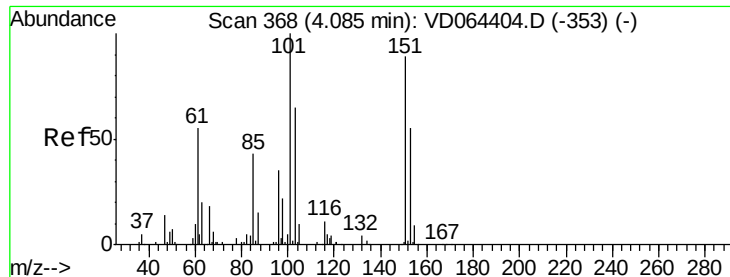


#8

Diethyl Ether
 Concen: 96.958 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064405.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.627 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

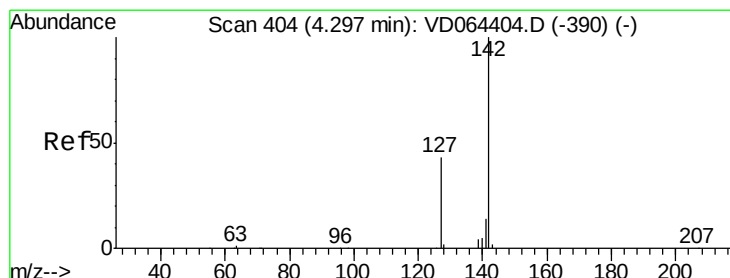
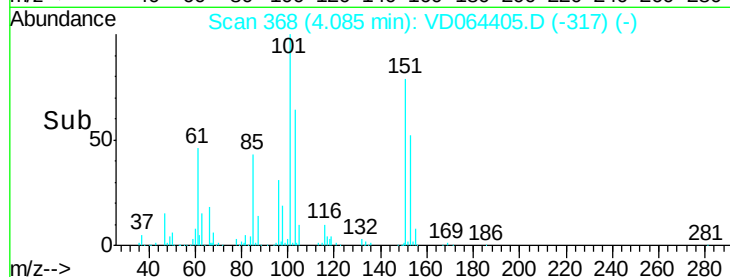
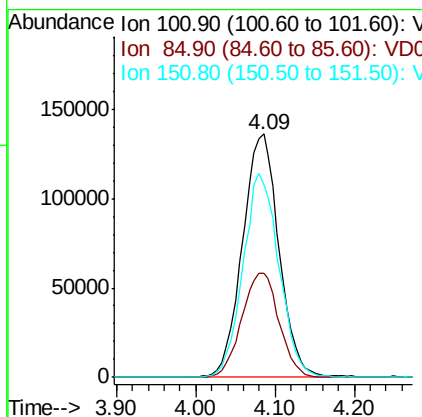
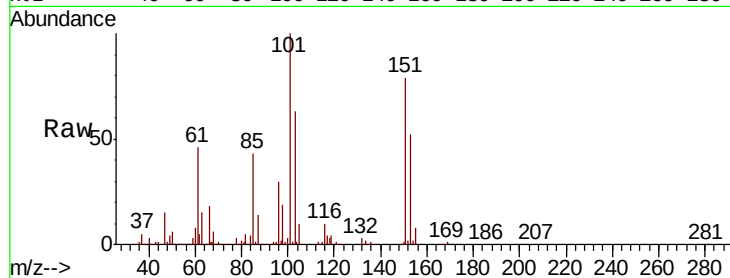
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	436153
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.8	52.2
151	82.9	68.8	103.2

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#10

Methyl Iodide

Concen: 128.667 ug/l

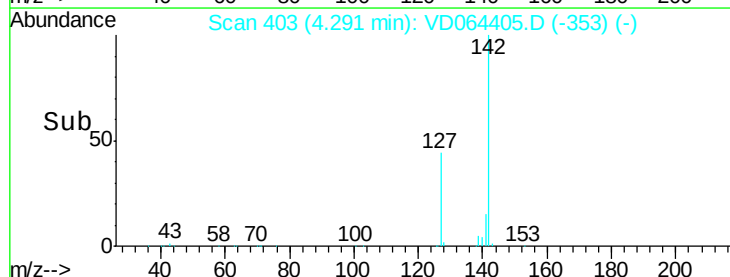
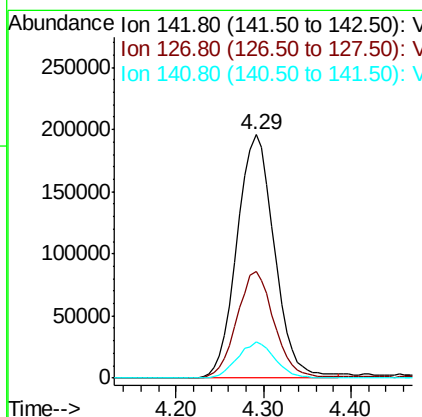
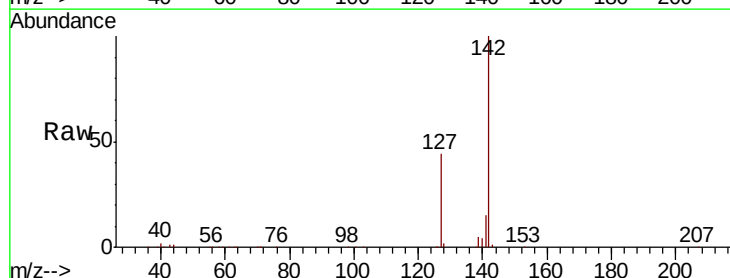
RT: 4.29 min Scan# 403

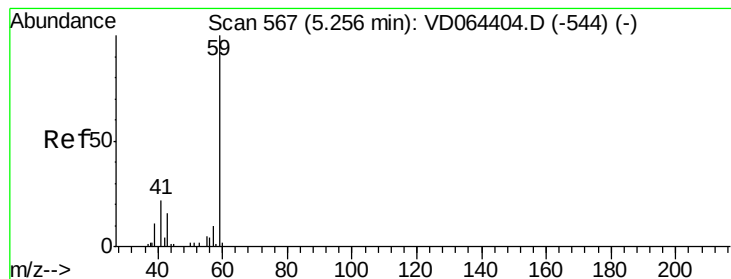
Delta R.T. -0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Tgt Ion:	142	Resp:	569835
Ion Ratio	Lower	Upper	
142	100		
127	43.5	35.3	52.9
141	14.8	11.6	17.4





#11

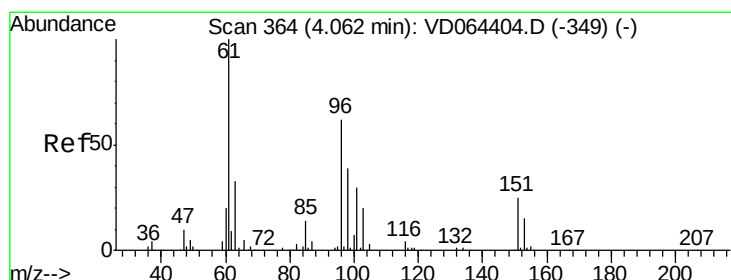
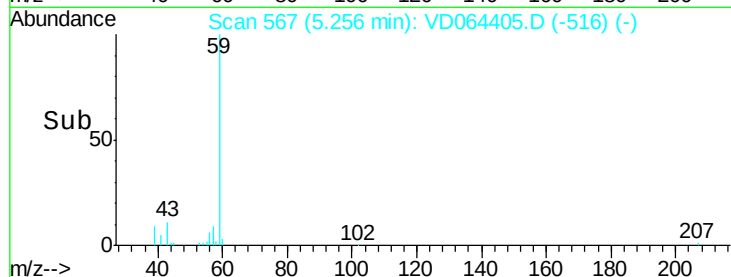
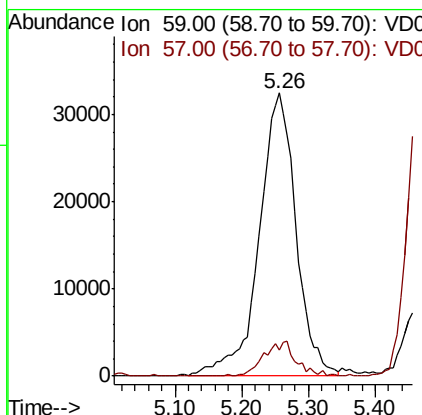
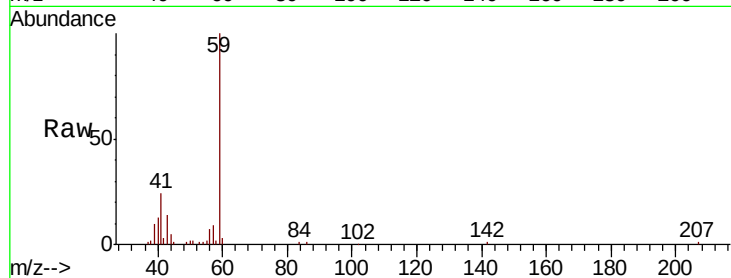
Tert butyl alcohol
Concen: 437.458 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	0.0	0.0#

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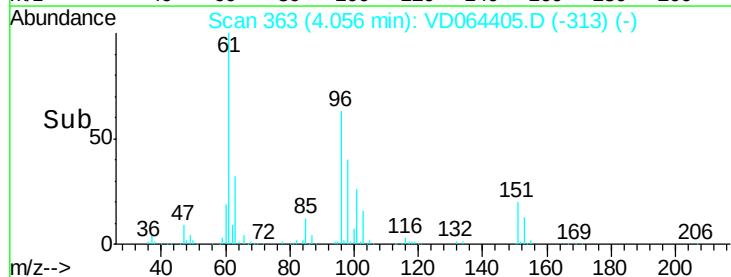
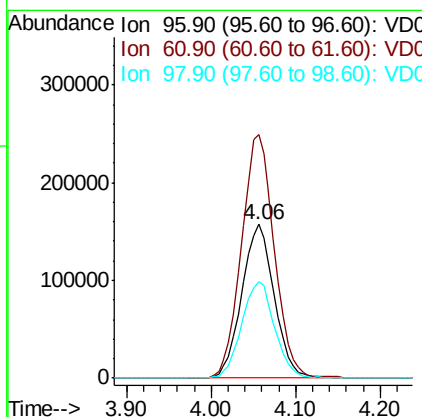
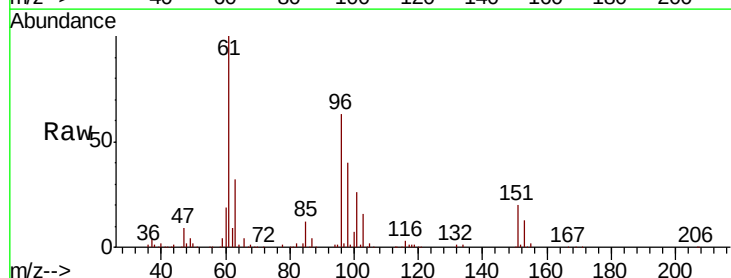
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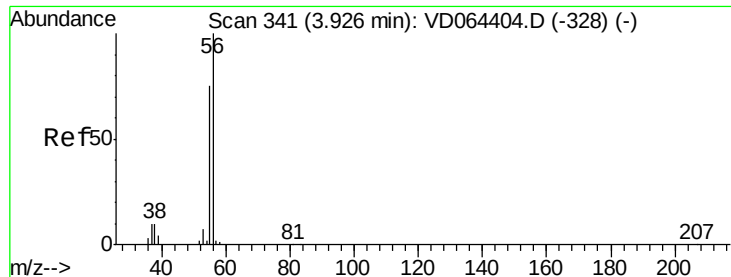


#12

1,1-Dichloroethene
Concen: 99.828 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	128.2	192.4
98	62.8	50.4	75.6





#13

Acrolein

Concen: 655.568 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 168020

Ion Ratio Lower Upper

56 100

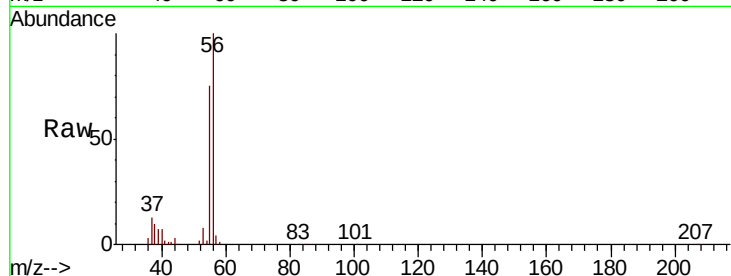
55 70.9 56.9 85.3

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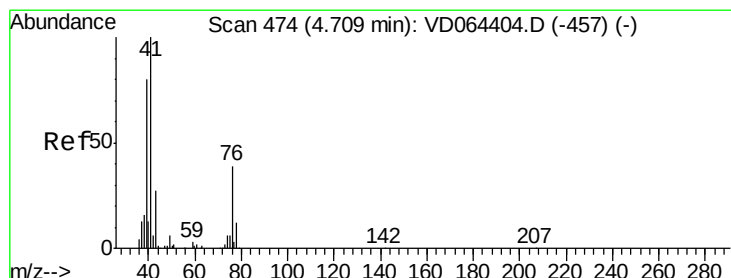
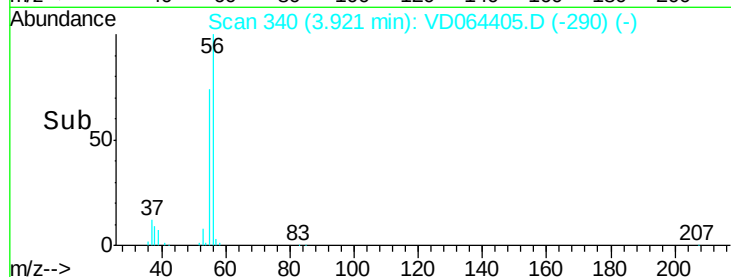
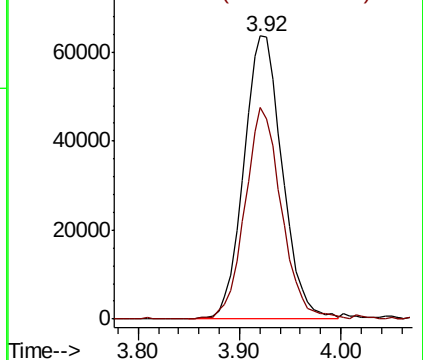
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 92.251 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

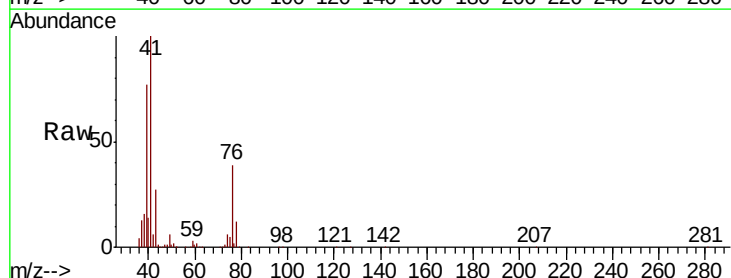
Tgt Ion: 41 Resp: 671828

Ion Ratio Lower Upper

41 100

39 76.1 62.1 93.1

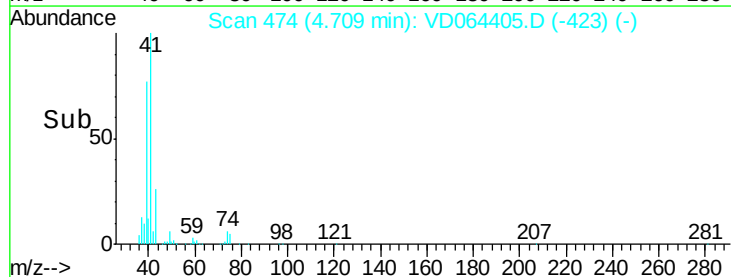
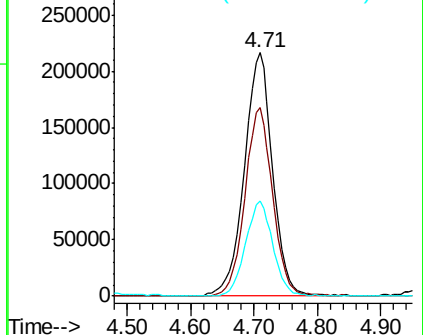
76 37.1 29.8 44.8

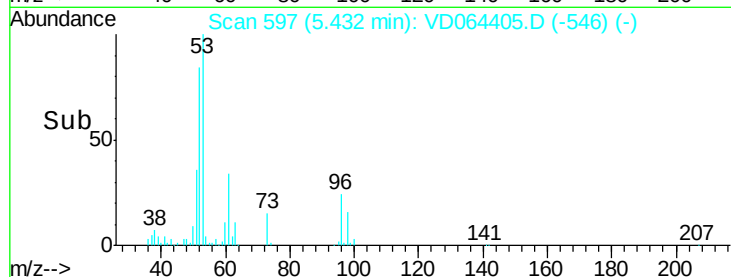
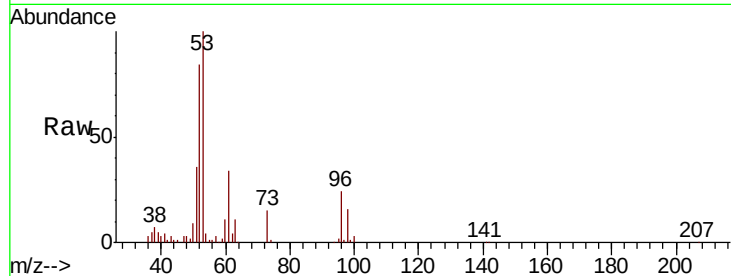
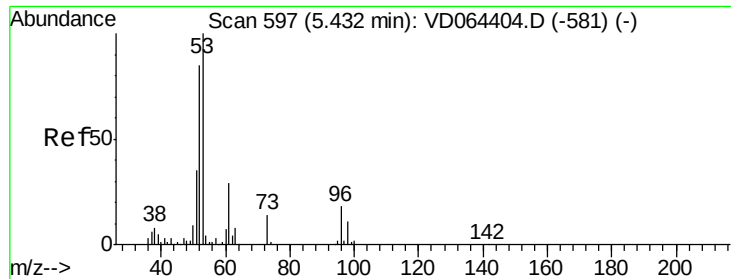


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 486.639 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Tot Ion:	53	Resp:	444128
Ion Ratio	Lower	Upper	
53	100		
52	82.8	67.9	101.9
51	37.3	30.6	45.8

Instrument :

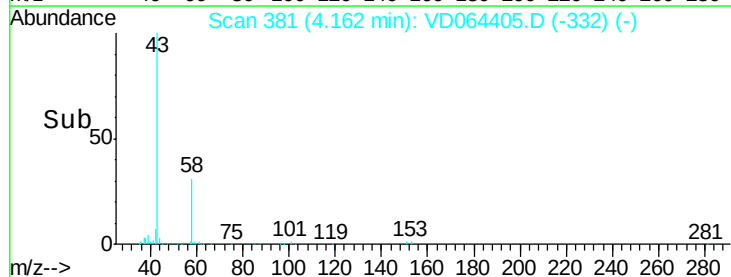
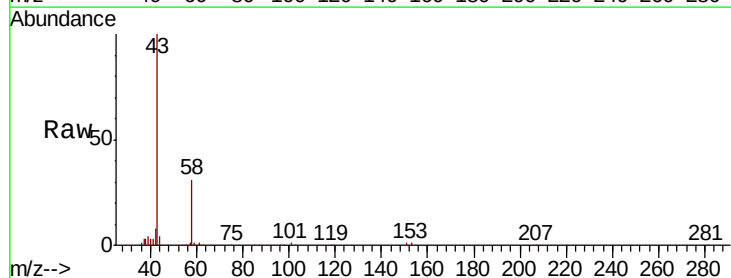
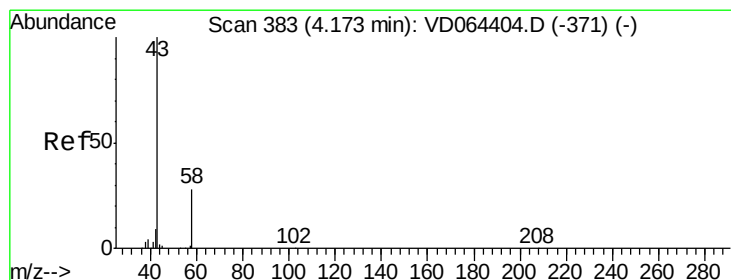
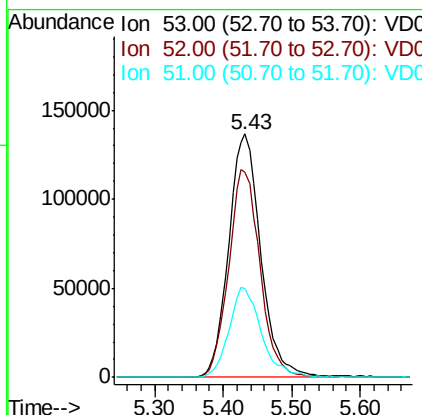
MSVOA_D

ClientSampleId :

VSTDIC100

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#16

Acetone

Concen: 400.120 ug/l

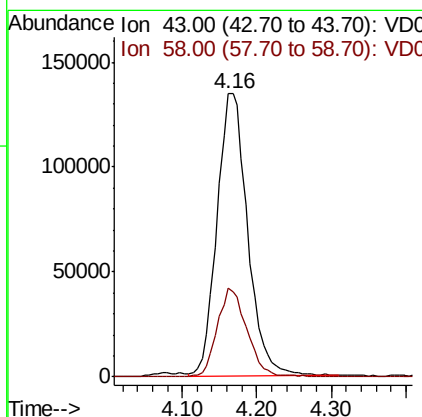
RT: 4.16 min Scan# 381

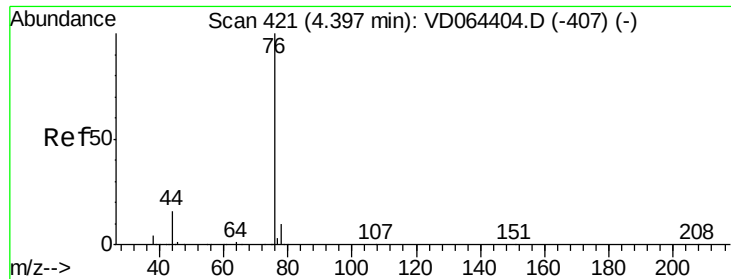
Delta R.T. -0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Tgt Ion:	43	Resp:	383385
Ion Ratio	Lower	Upper	
43	100		
58	31.3	22.6	33.8





#17

Carbon Disulfide

Concen: 102.750 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC100

Tot Ion: 76 Resp: 1352379

Ion Ratio Lower Upper

76 100

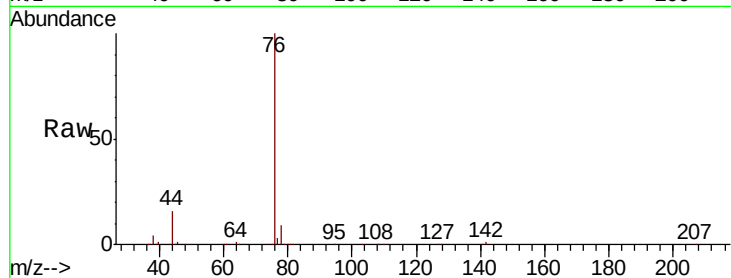
78 9.1 7.8 11.8

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

500000

400000

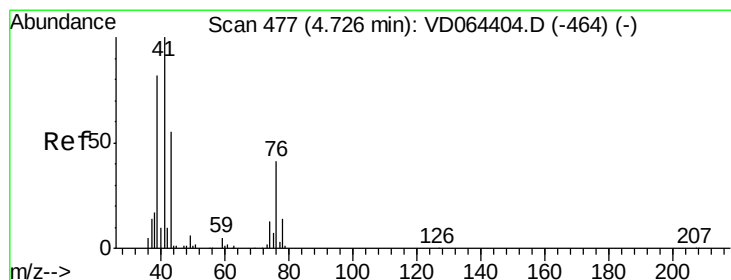
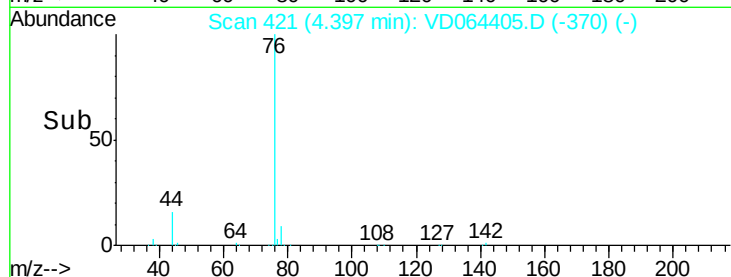
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 84.254 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064405.D

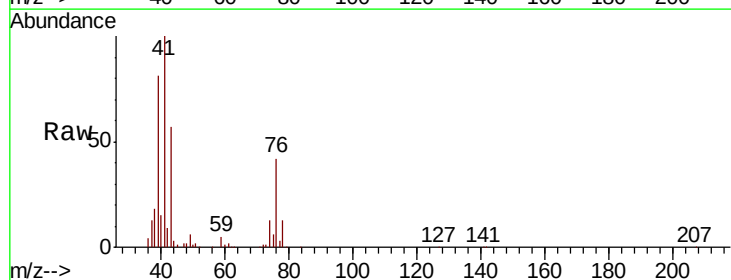
Acq: 27 Nov 2019 19:46

Tgt Ion: 43 Resp: 227106

Ion Ratio Lower Upper

43 100

74 24.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

80000

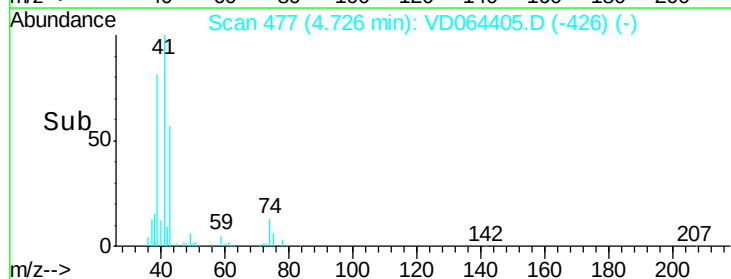
60000

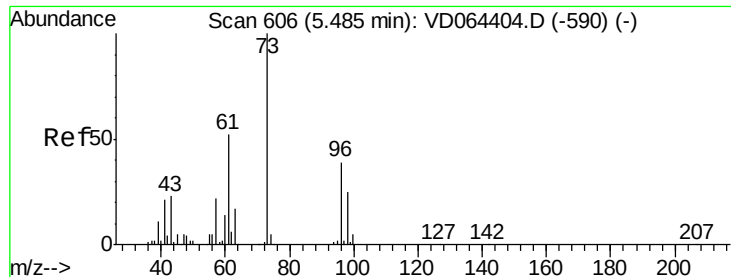
40000

20000

0

Time-->





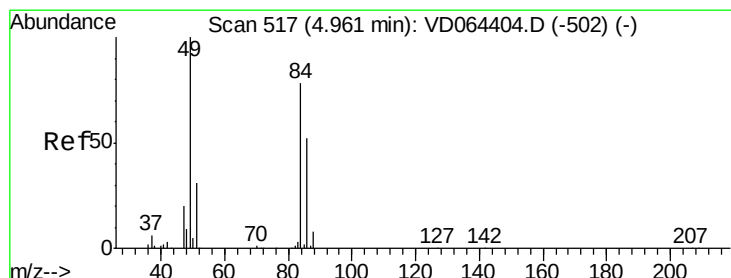
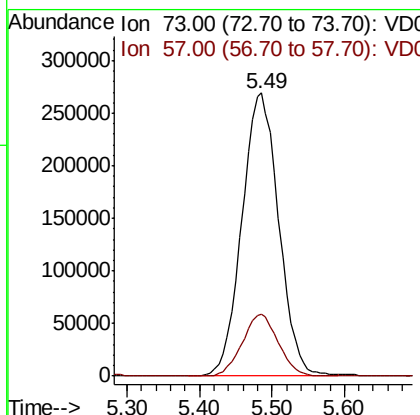
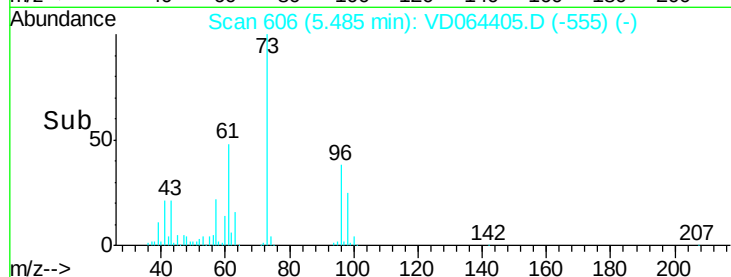
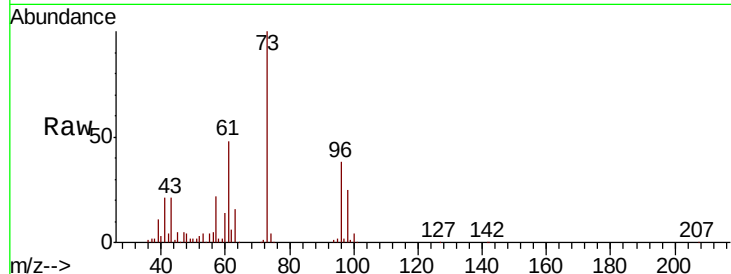
#19
Methyl tert-butyl Ether
Concen: 94.676 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 948720
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4

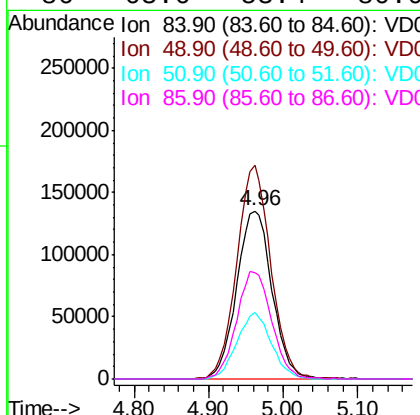
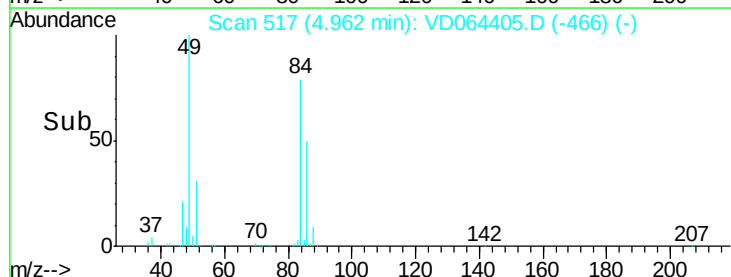
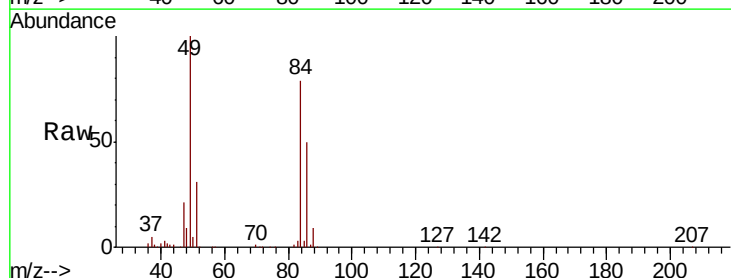
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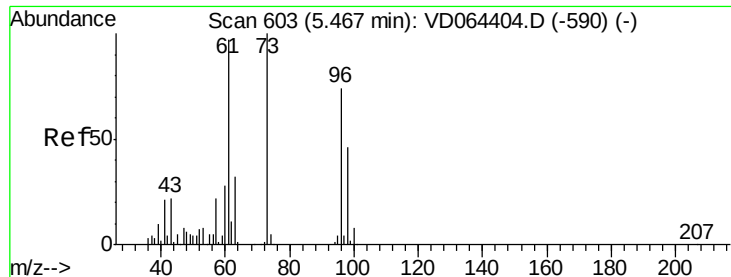
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#20
Methylene Chloride
Concen: 90.001 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion: 84 Resp: 444556
Ion Ratio Lower Upper
84 100
49 127.3 102.6 153.8
51 39.4 32.0 48.0
86 63.6 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 100.277 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

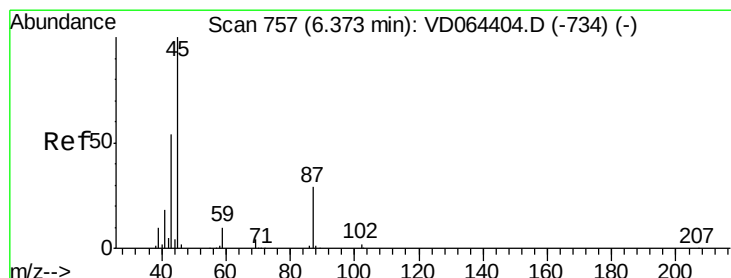
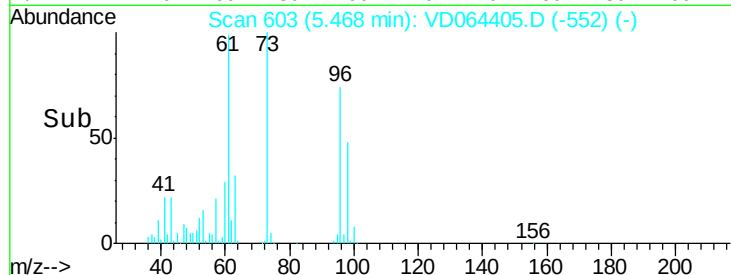
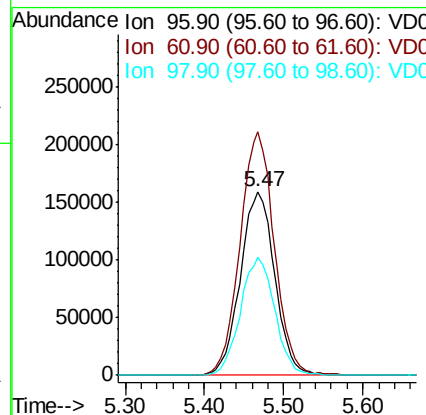
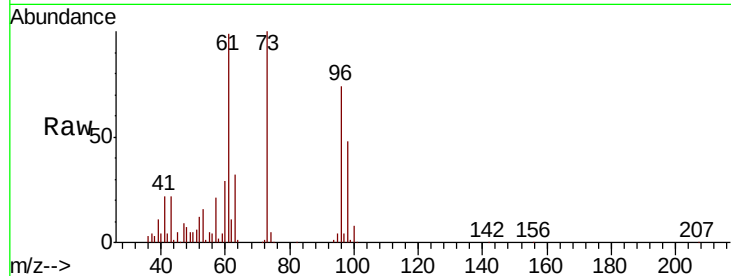
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	479244
Ion	Ratio	Lower	Upper
96	100		
61	132.4	105.8	158.6
98	64.0	50.1	75.1

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#22

Diisopropyl ether

Concen: 94.223 ug/l

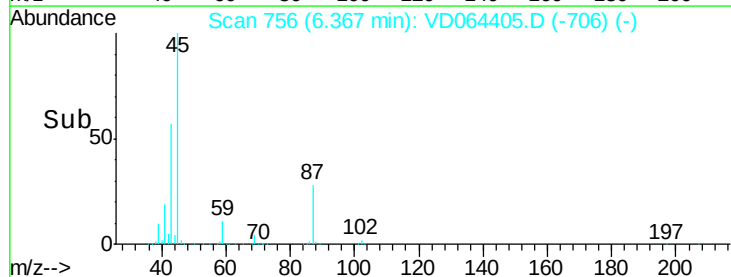
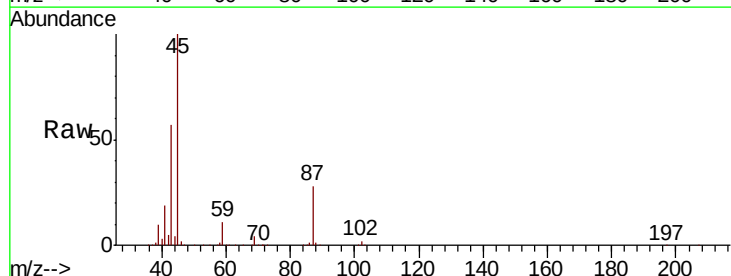
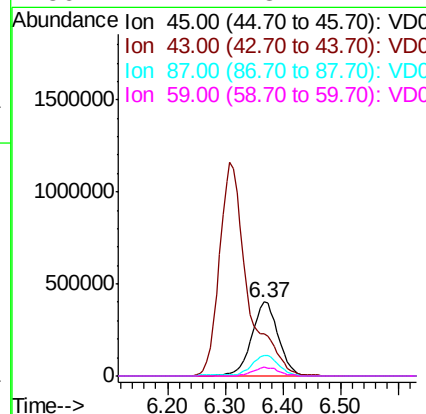
RT: 6.37 min Scan# 756

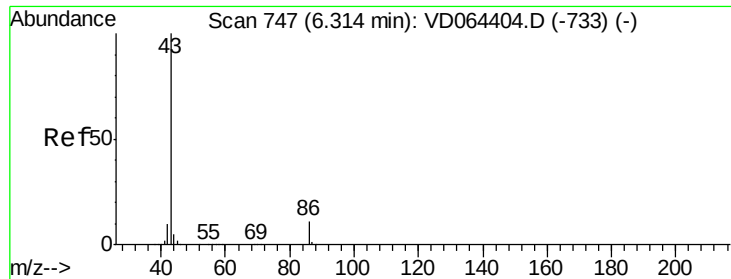
Delta R.T. -0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Tgt Ion:	45	Resp:	1291912
Ion	Ratio	Lower	Upper
45	100		
43	56.8	43.1	64.7
87	28.2	23.5	35.3
59	11.4	8.2	12.2





#23

Vinyl Acetate

Concen: 507.704 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC100

Tot Ion: 43 Resp: 3912055

Ion Ratio Lower Upper

43 100

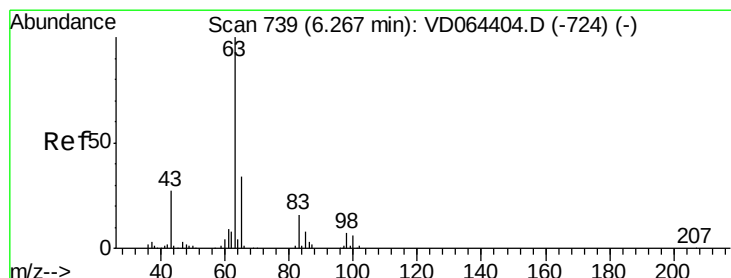
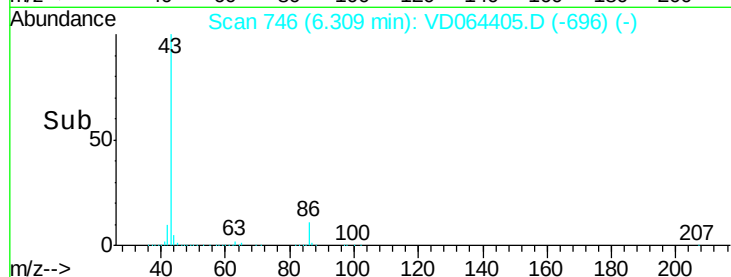
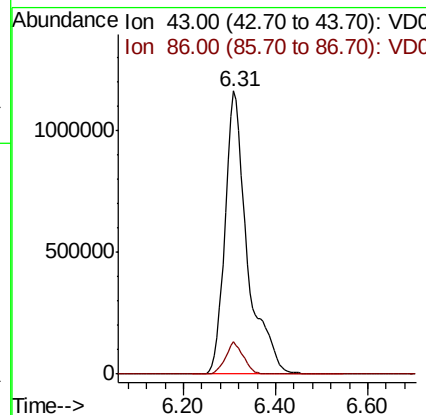
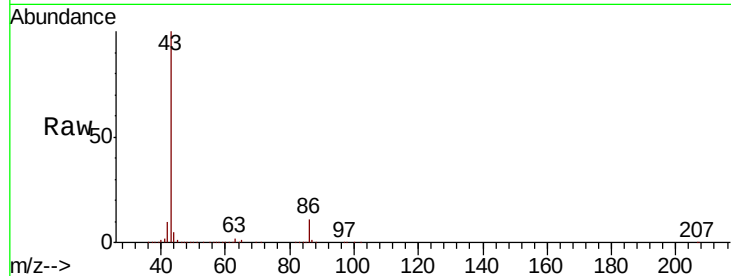
86 11.4 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 98.527 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

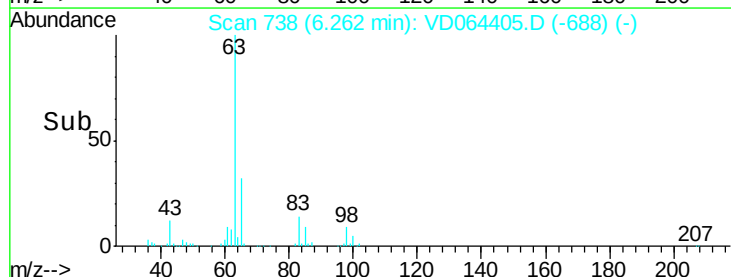
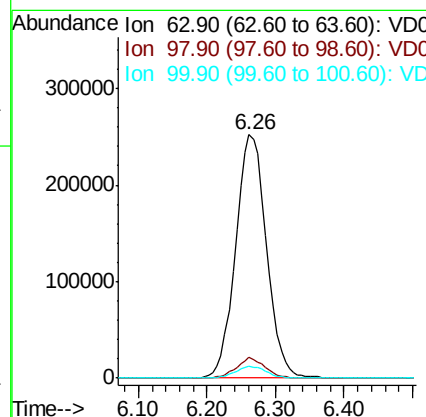
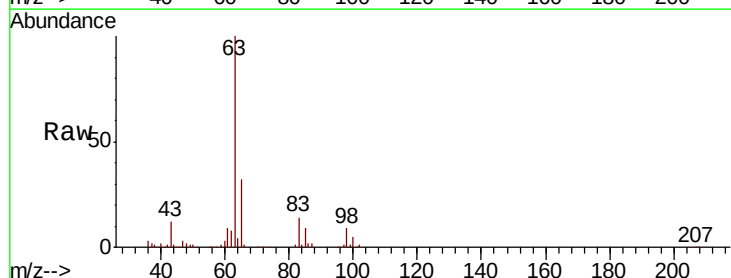
Tgt Ion: 63 Resp: 787916

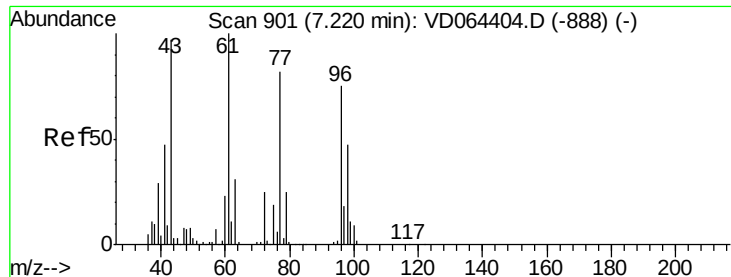
Ion Ratio Lower Upper

63 100

98 8.5 3.6 10.9

100 4.7 2.9 8.6





#25

2-Butanone

Concen: 448.675 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 564175

Ion Ratio Lower Upper

43 100

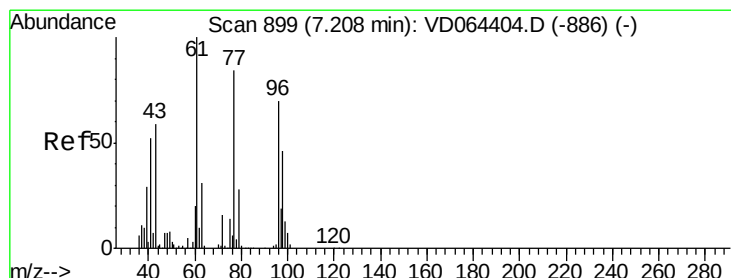
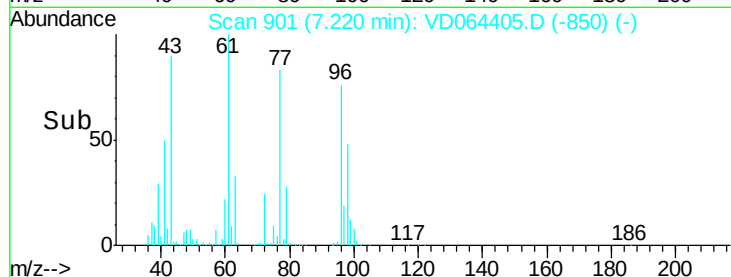
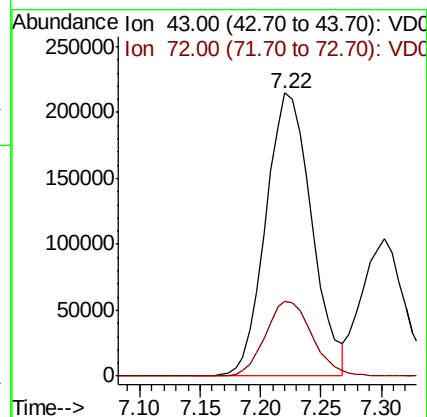
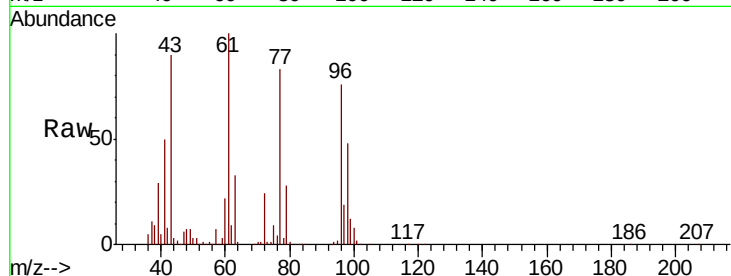
72 26.3 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 88.939 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064405.D

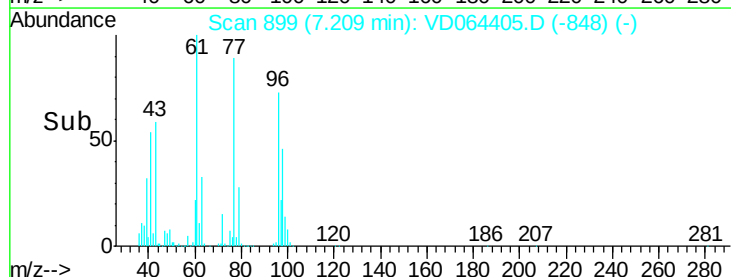
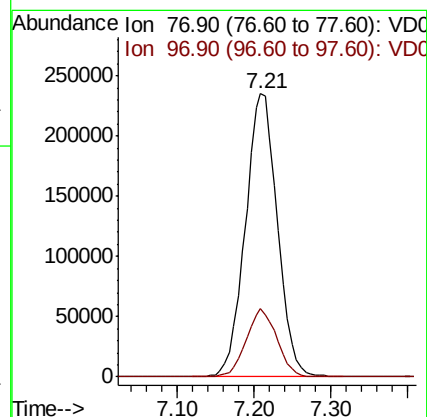
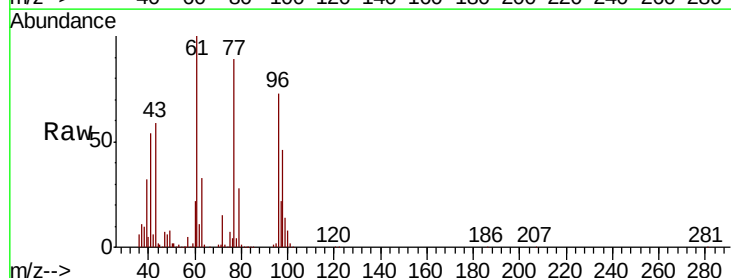
Acq: 27 Nov 2019 19:46

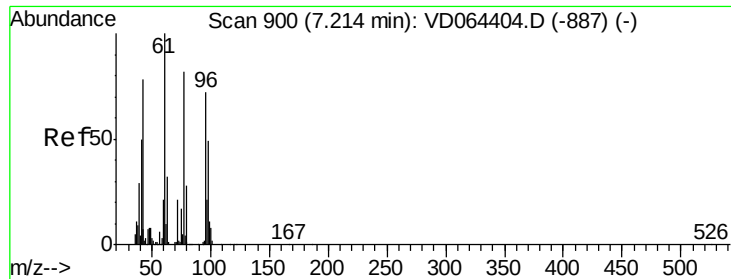
Tgt Ion: 77 Resp: 684070

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 101.783 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

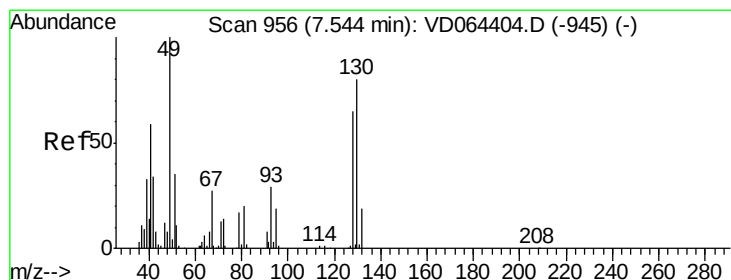
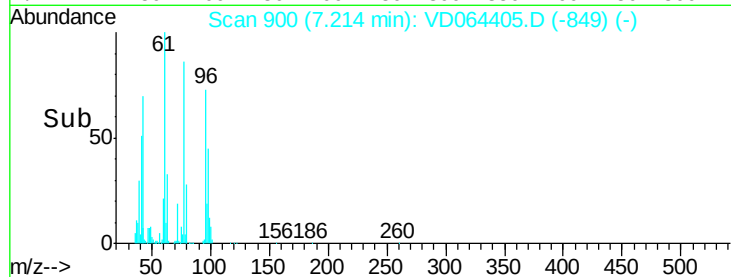
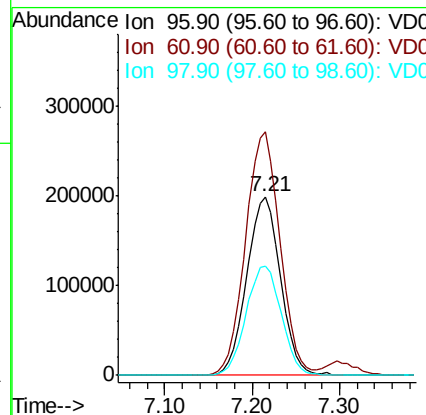
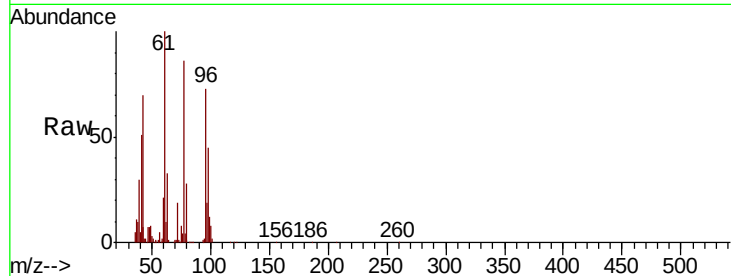
ClientSampleId :

VSTDICC100

Tot Ion:	96	Resp:	524151
Ion Ratio	Lower	Upper	
96	100		
61	138.8	0.0	279.6
98	64.1	0.0	129.2

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#28

Bromochloromethane

Concen: 100.171 ug/l

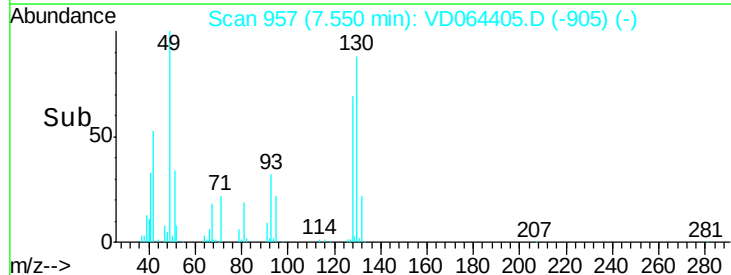
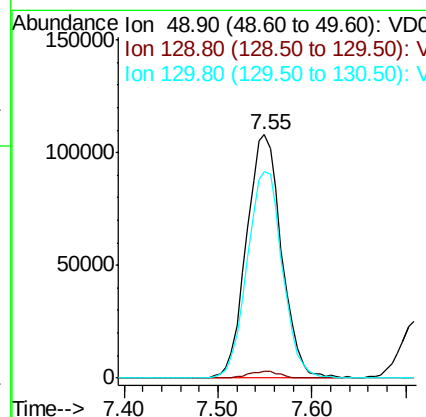
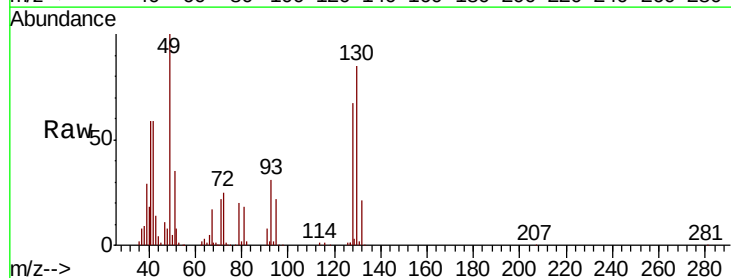
RT: 7.55 min Scan# 957

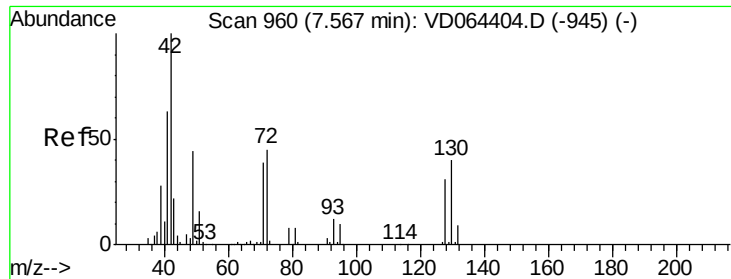
Delta R.T. 0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Tgt Ion:	49	Resp:	278426
Ion Ratio	Lower	Upper	
49	100		
129	2.6	0.0	4.4
130	85.9	67.4	101.0





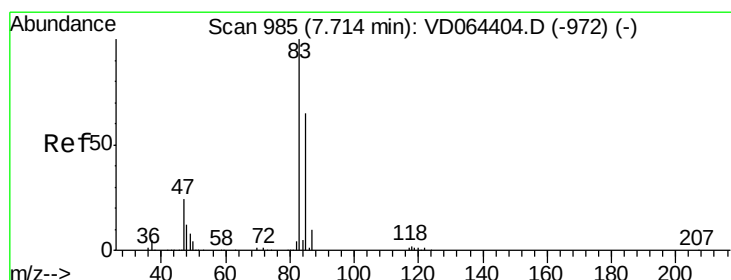
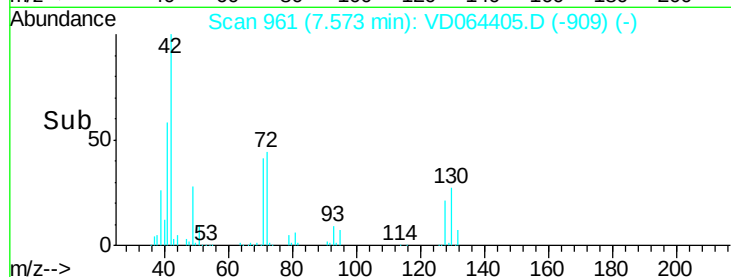
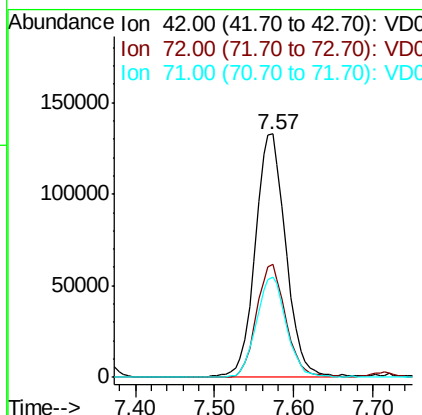
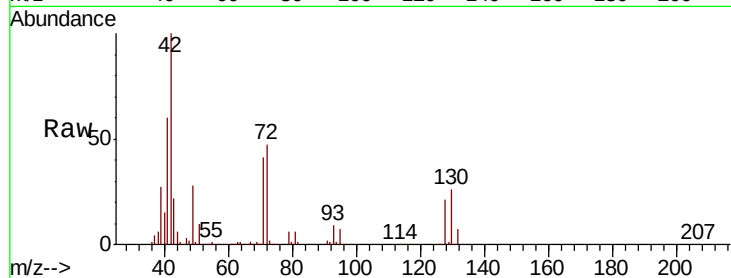
#29
Tetrahydrofuran
Concen: 471.743 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.8	53.8
71	40.5	32.7	49.1

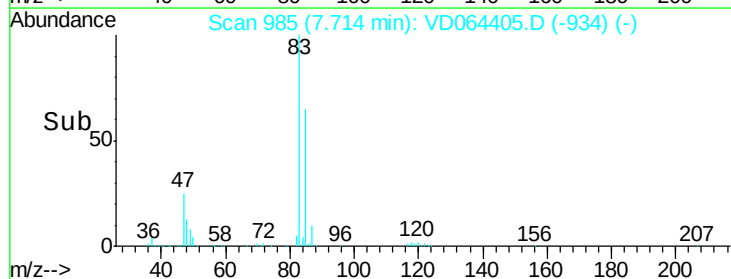
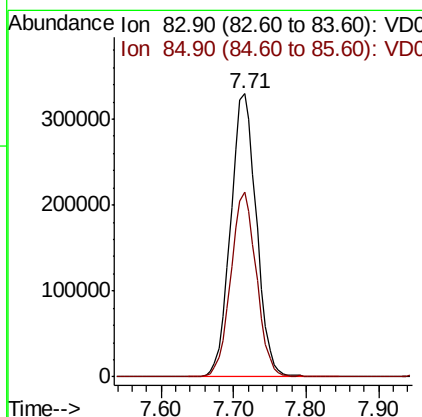
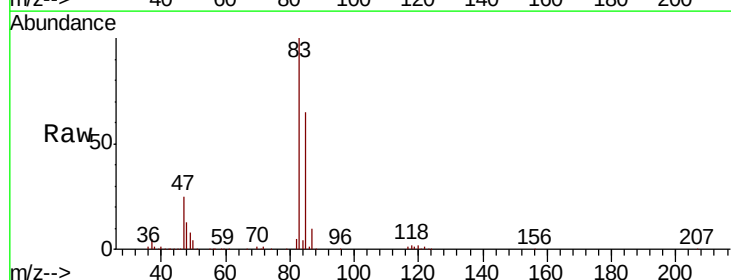
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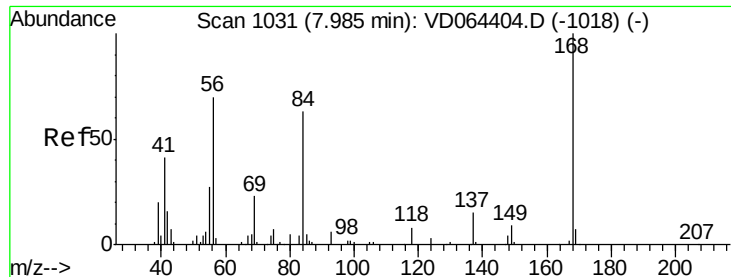
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#30
Chloroform
Concen: 99.348 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.6





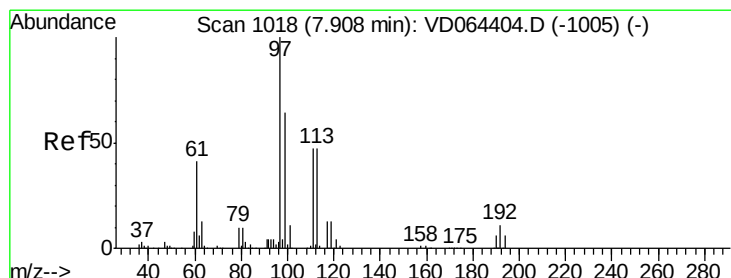
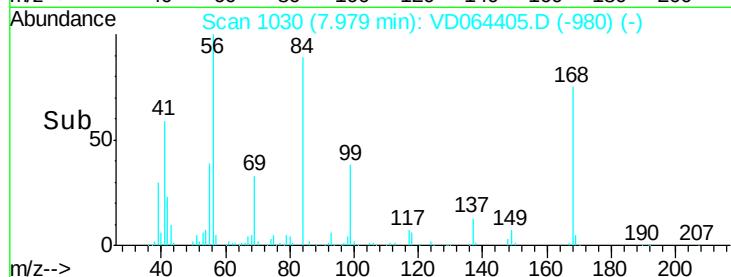
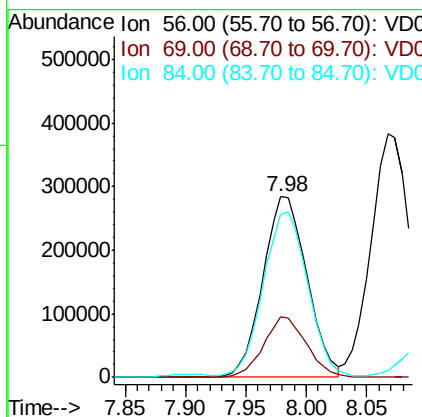
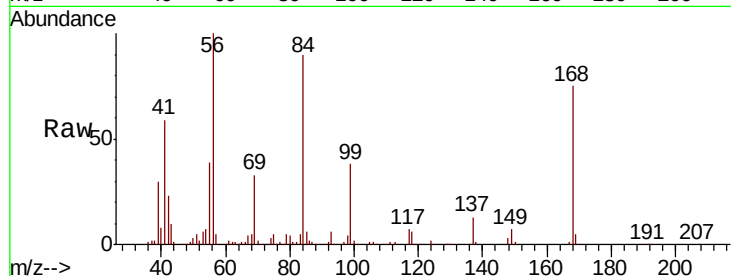
#31
Cyclohexane
Concen: 89.941 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	26.2	39.4
84	88.3	70.3	105.5

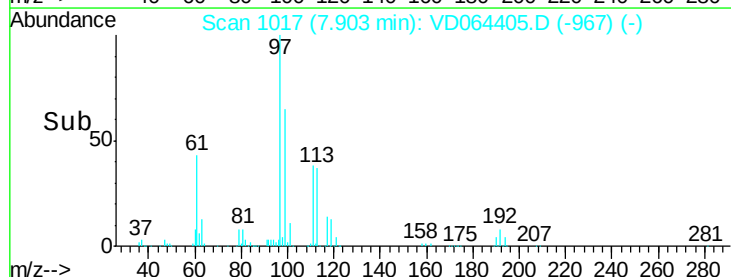
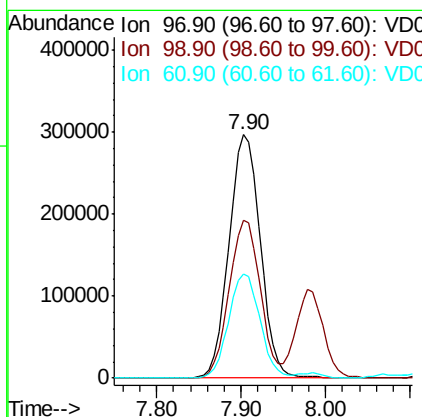
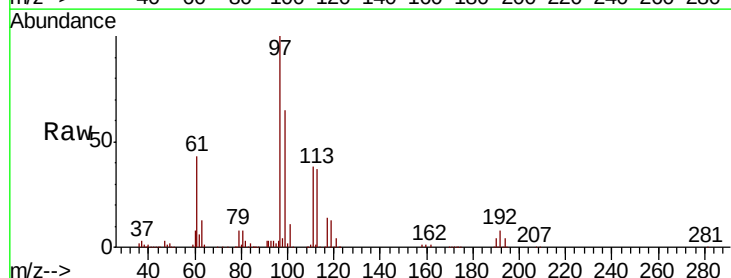
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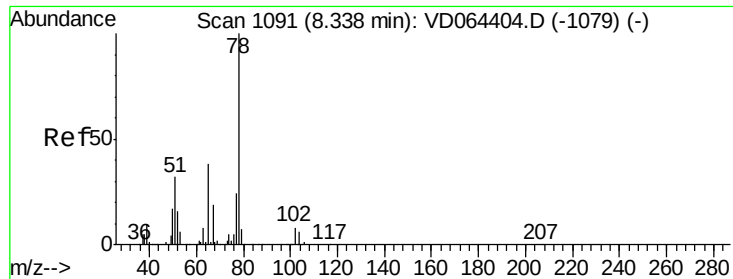
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#32
1,1,1-Trichloroethane
Concen: 97.486 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	42.7	35.0	52.4





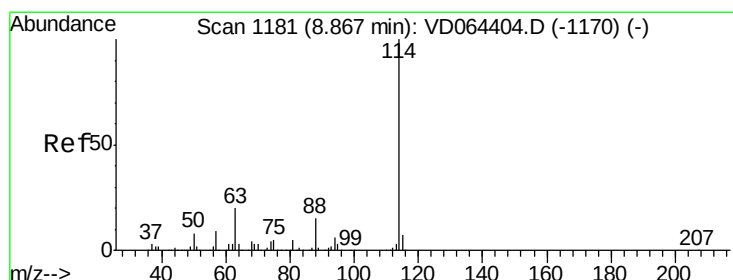
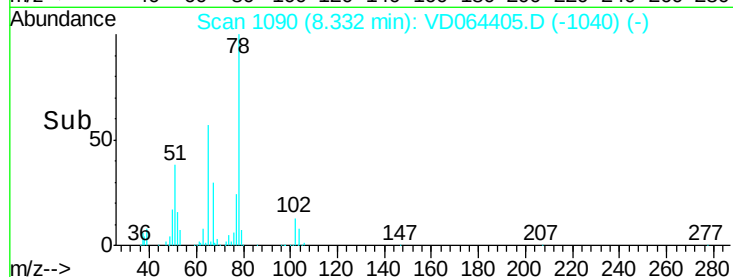
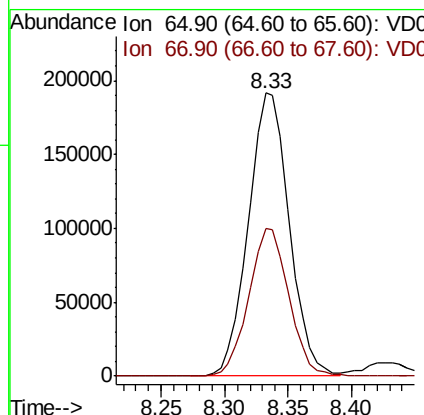
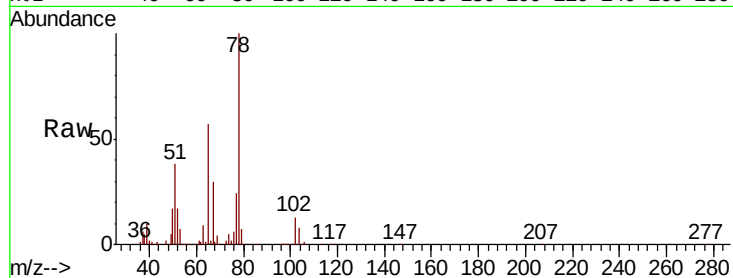
#33
 1,2-Dichloroethane-d4
 Concen: 105.219 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	102.0

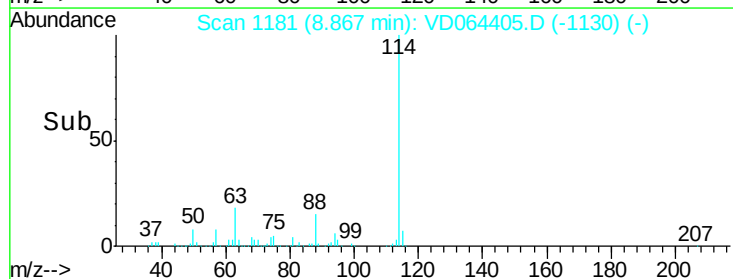
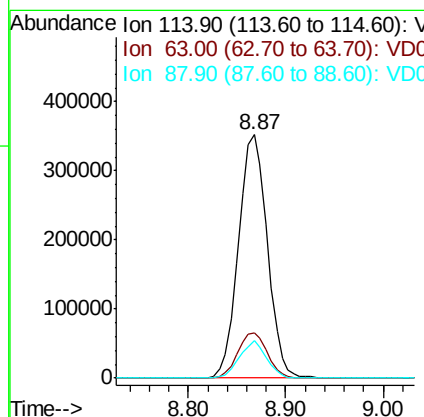
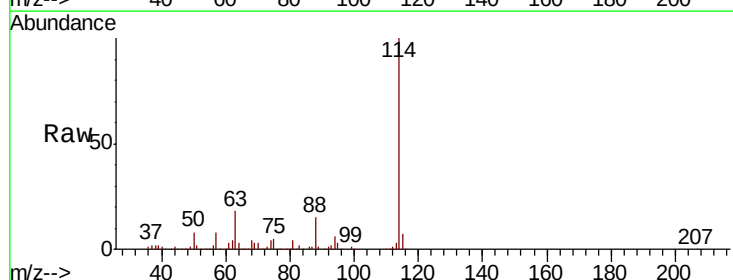
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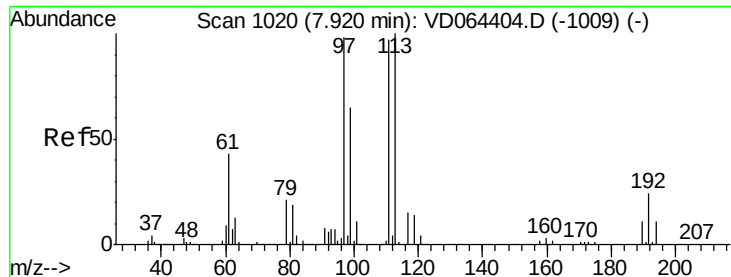
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	40.0
88	15.2	0.0	29.2





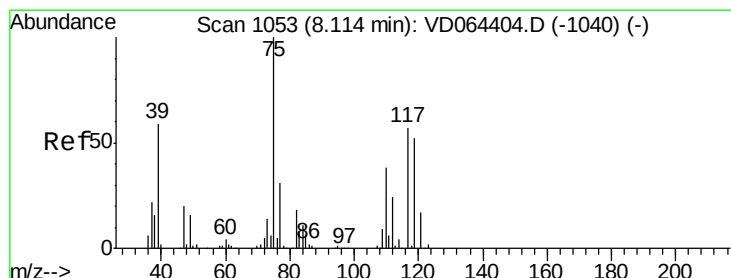
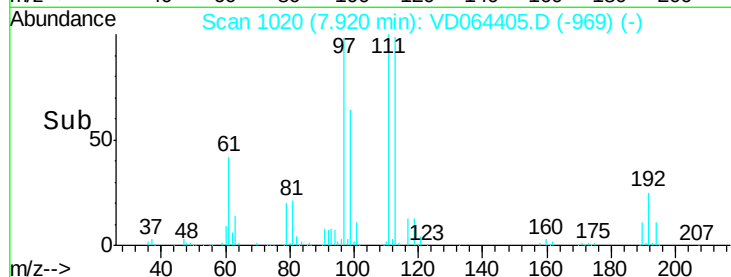
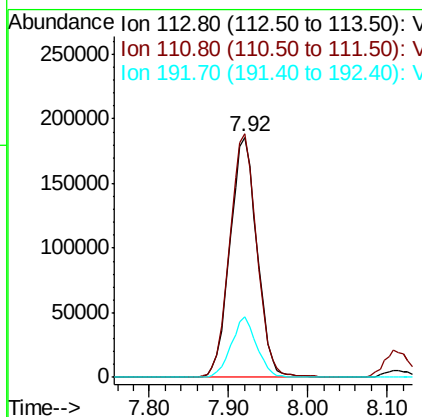
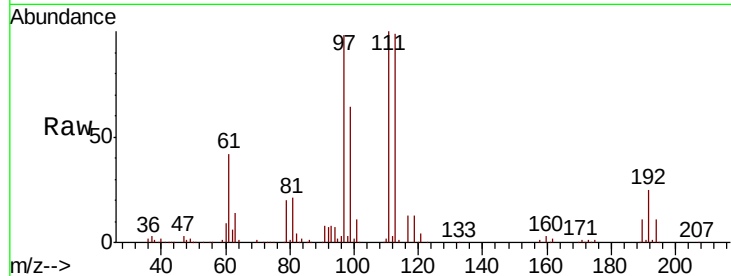
#35
Dibromofluoromethane
Concen: 105.688 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	438357		
111	101.8	79.4	119.2	
192	23.6	18.6	28.0	

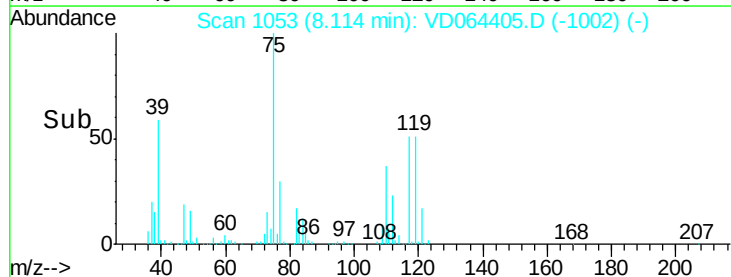
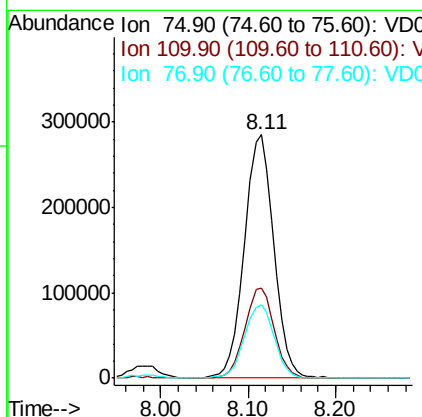
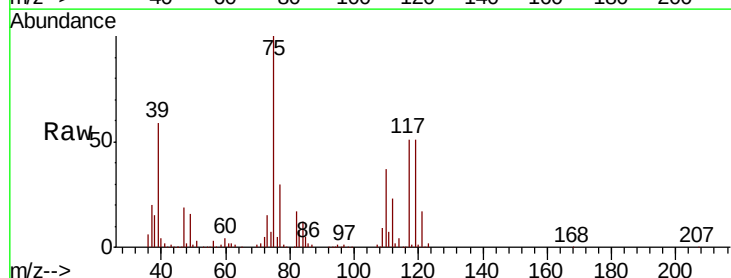
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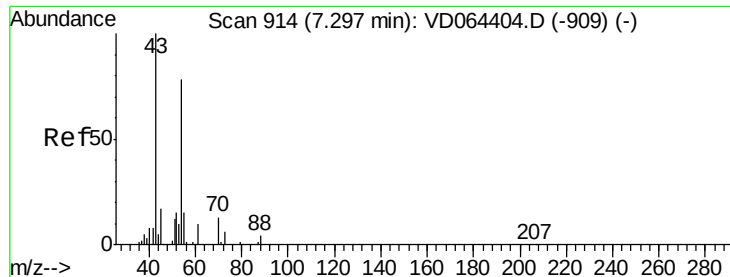
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#36
1,1-Dichloropropene
Concen: 98.091 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	650146		
110	36.8	18.6	55.8	
77	30.9	25.0	37.4	





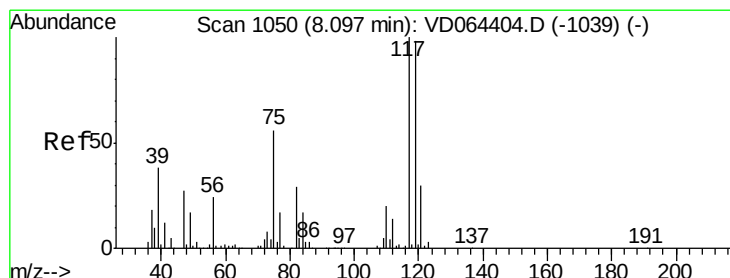
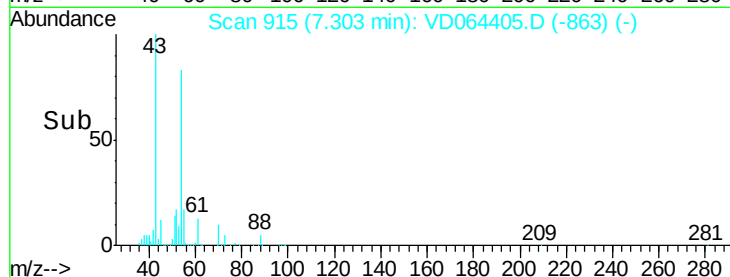
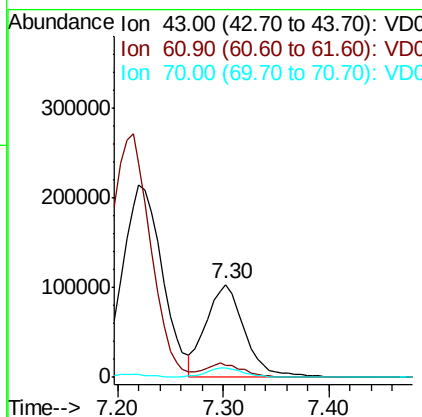
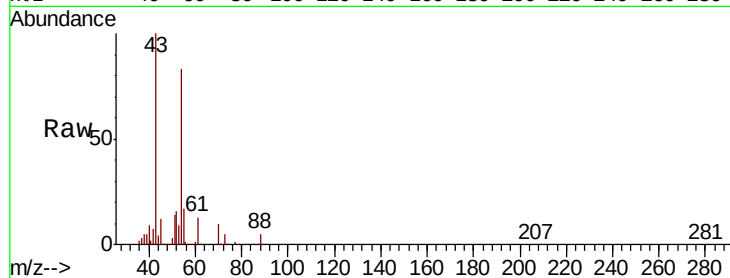
#37
Ethyl Acetate
Concen: 92.233 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:	43	Resp:	260281
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.9	16.3
70	9.9	8.3	12.5

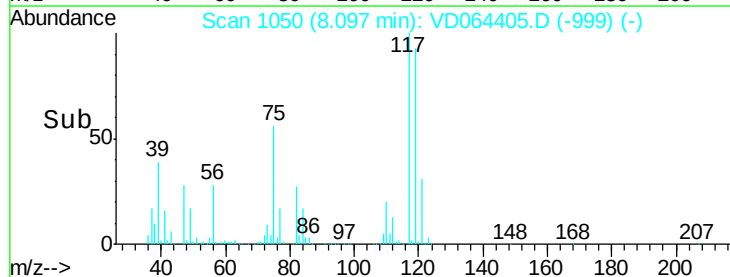
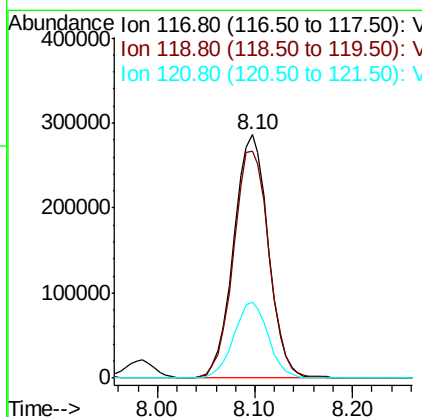
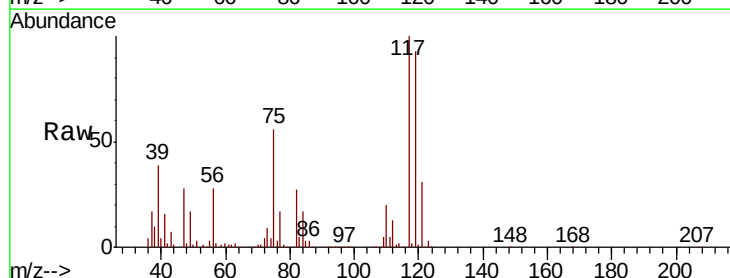
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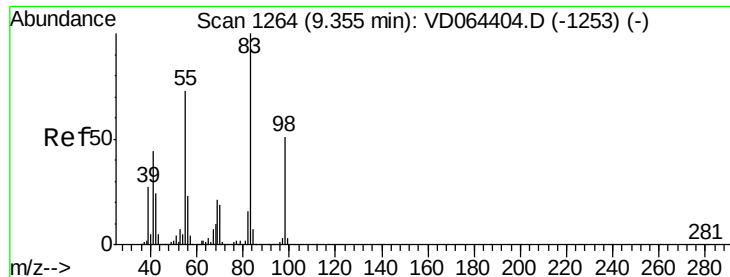
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#38
Carbon Tetrachloride
Concen: 99.072 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion:	117	Resp:	705359
Ion	Ratio	Lower	Upper
117	100		
119	93.3	78.8	118.2
121	31.0	24.2	36.2





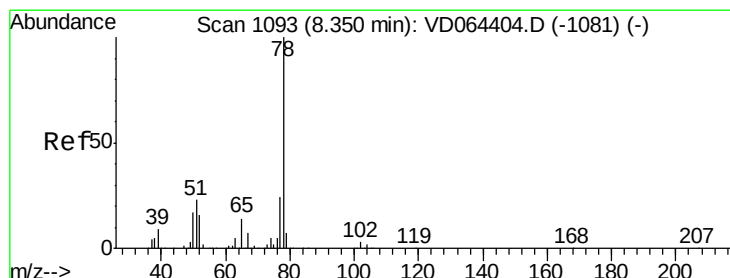
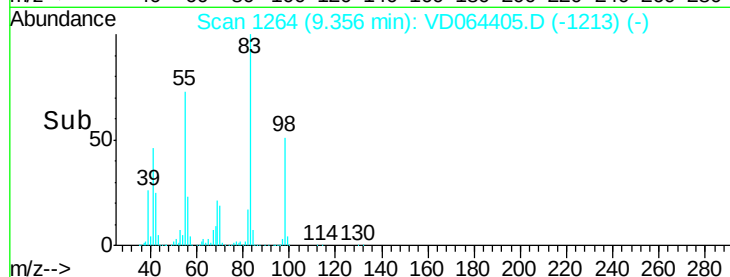
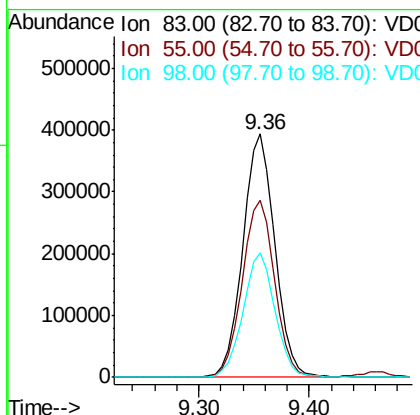
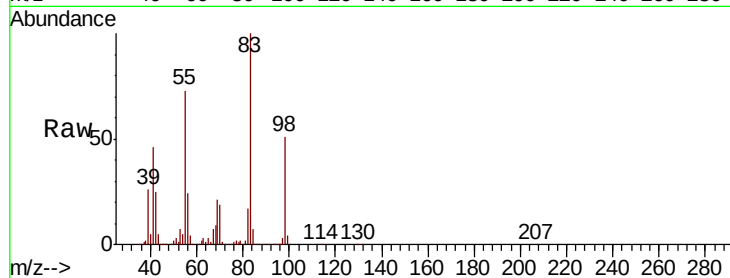
#39
Methylcyclohexane
Concen: 95.322 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.6	58.6	87.8
98	51.0	40.9	61.3

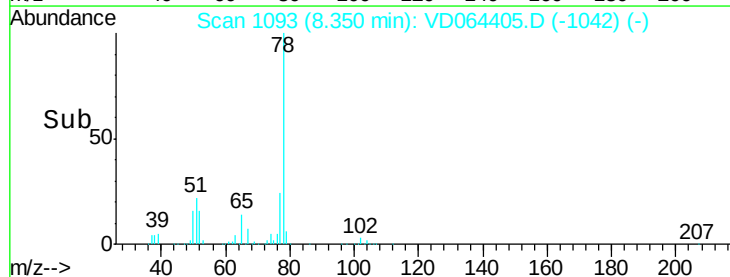
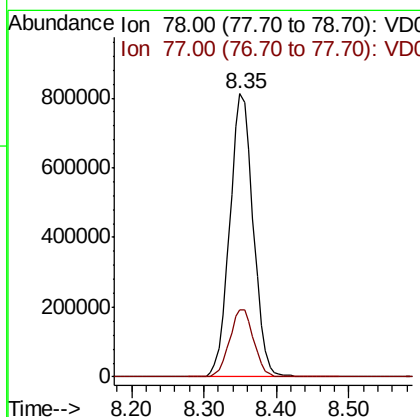
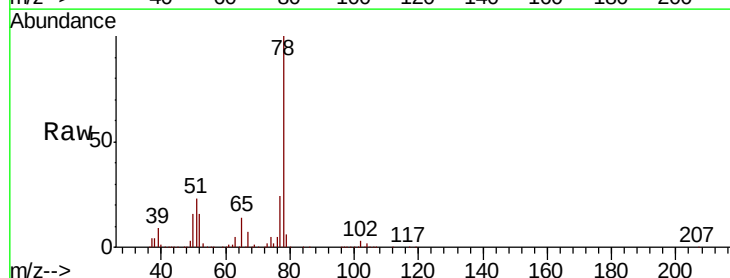
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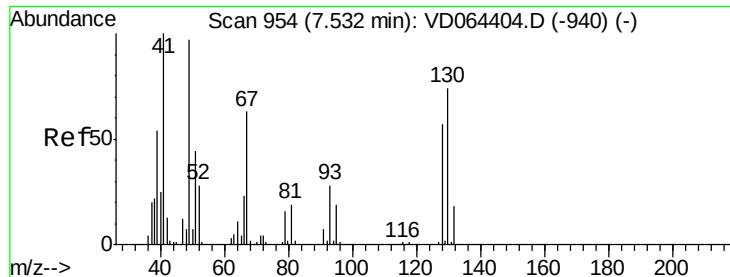
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#40
Benzene
Concen: 100.159 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.6	29.4





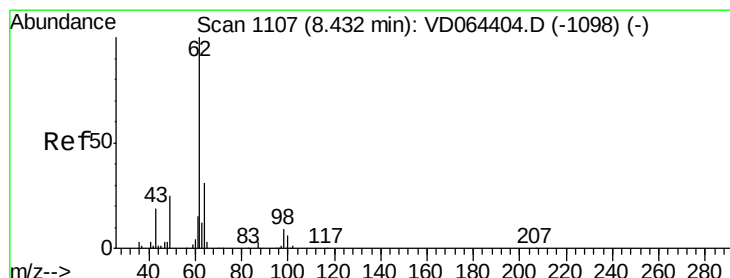
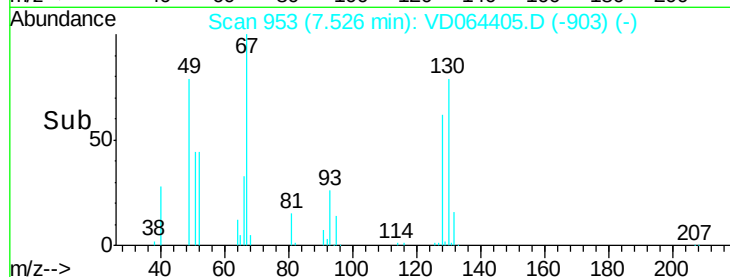
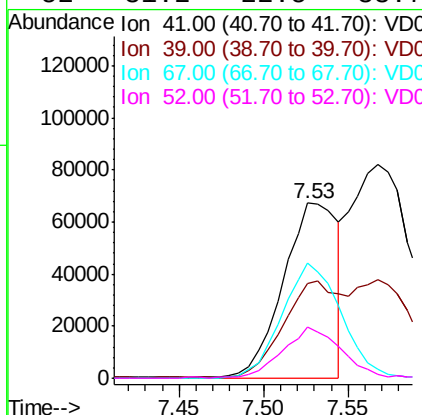
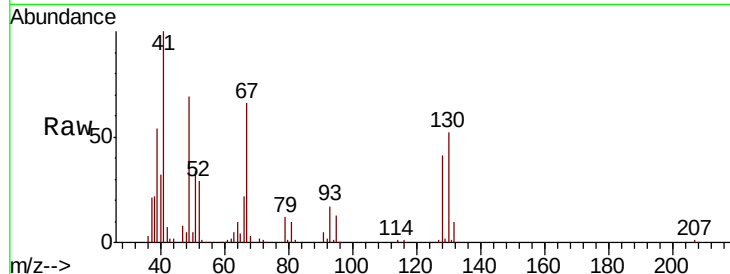
#41
Methacrylonitrile
Concen: 84.638 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.7	44.6	67.0	
67	72.2	50.9	76.3	
52	31.2	22.5	33.7	

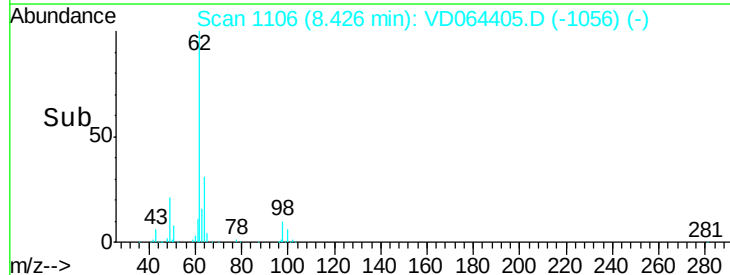
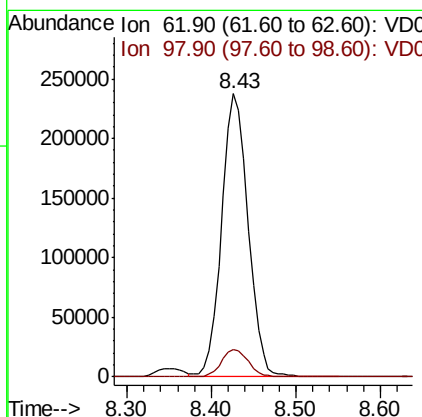
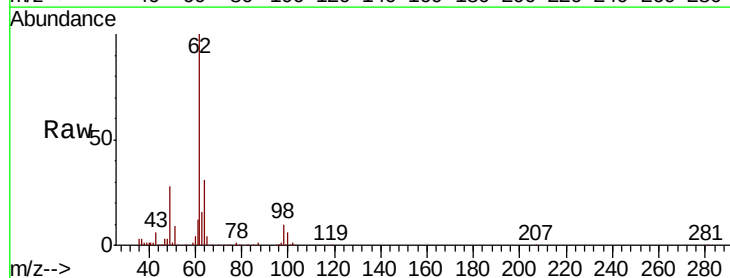
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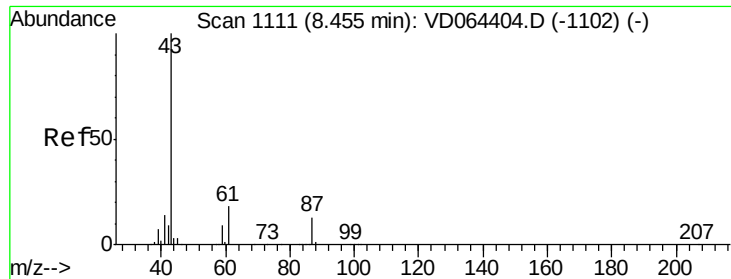
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#42
1,2-Dichloroethane
Concen: 94.607 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.6	





#43

Isopropyl Acetate

Concen: 89.934 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

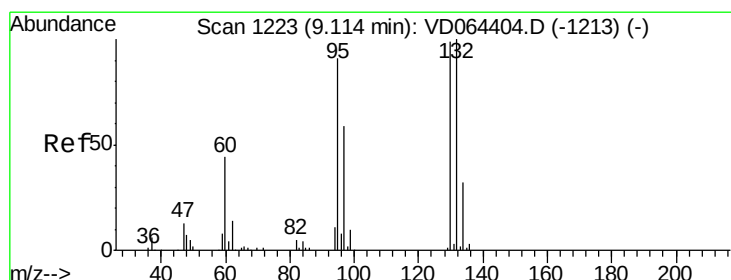
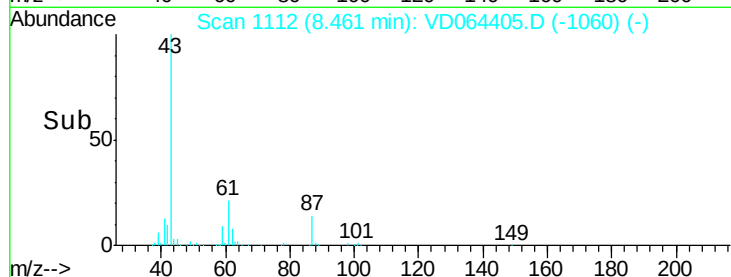
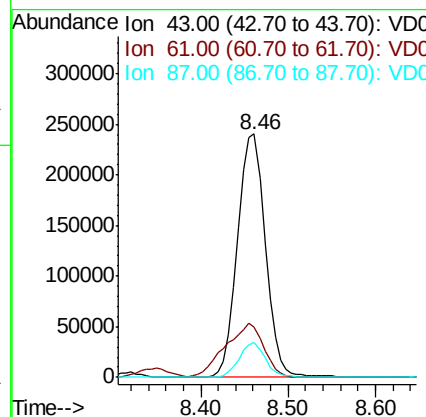
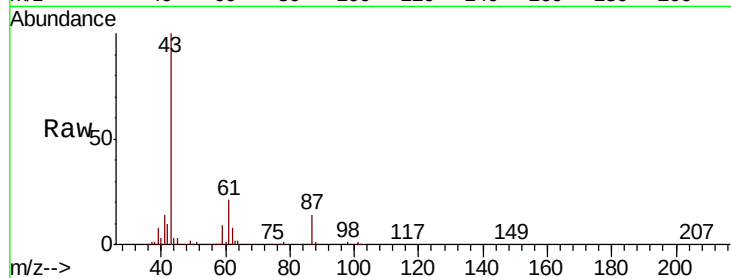
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	519043
Ion	Ratio	Lower	Upper
43	100		
61	30.5	24.0	36.0
87	13.4	10.6	15.8

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#44

Trichloroethene

Concen: 98.036 ug/l

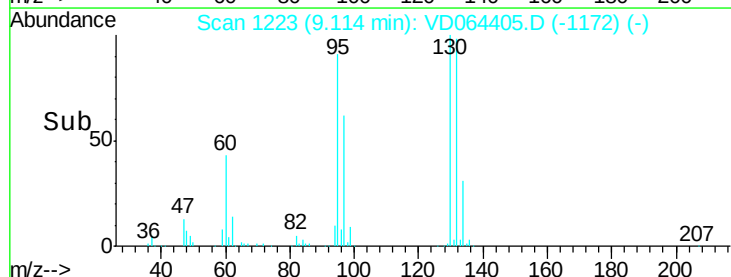
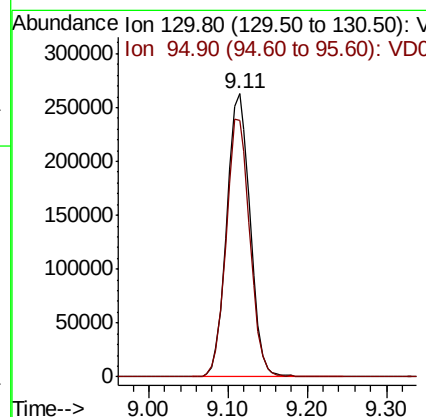
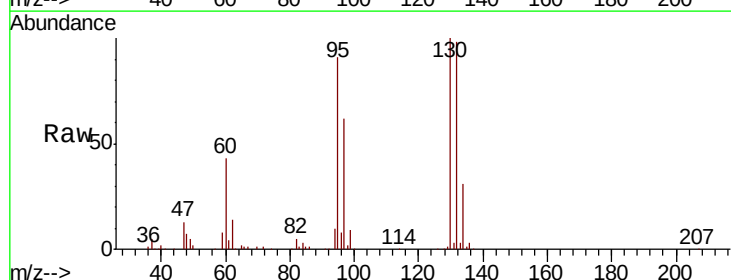
RT: 9.11 min Scan# 1223

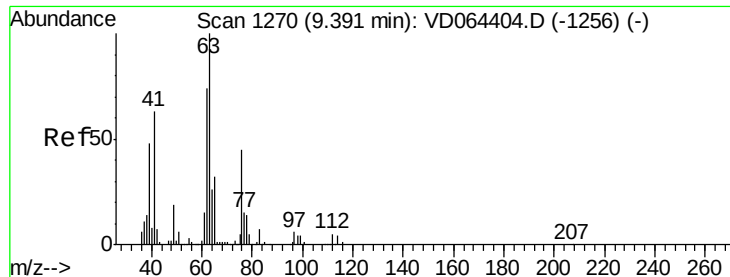
Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Tgt Ion:	130	Resp:	535417
Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	184.6





#45

1,2-Dichloropropane

Concen: 95.864 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 426733

Ion Ratio Lower Upper

63 100

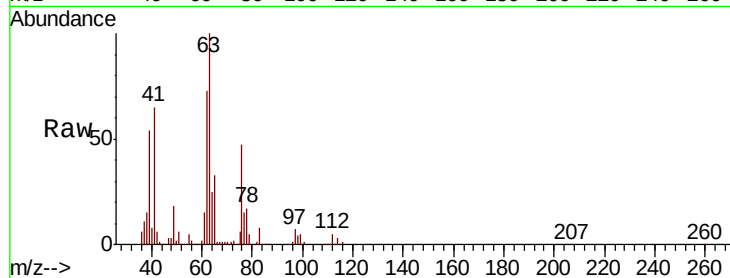
65 32.6 25.4 38.0

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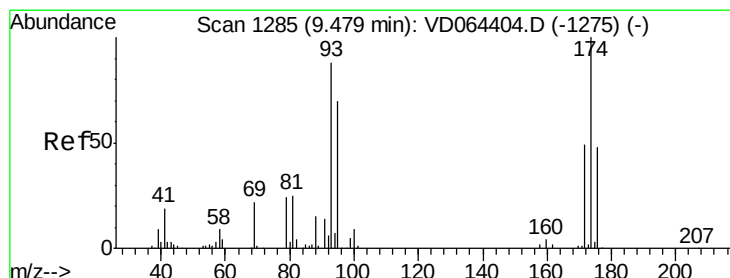
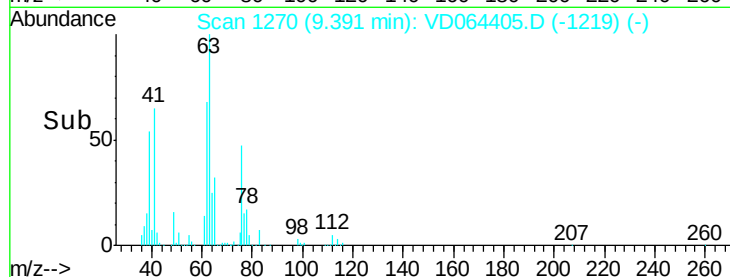
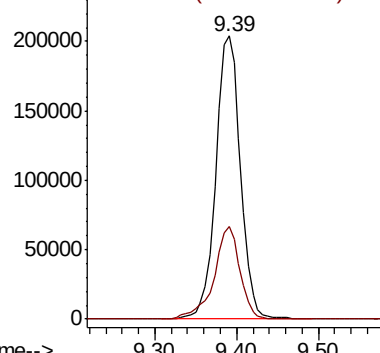
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 99.153 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

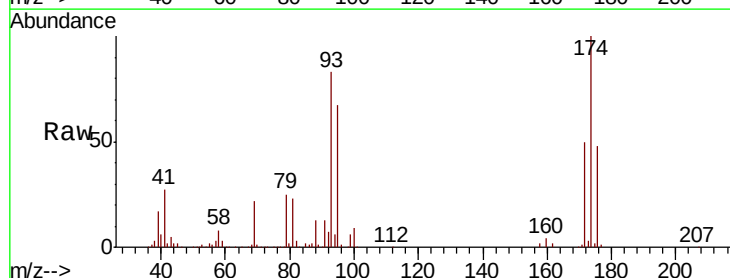
Tgt Ion: 93 Resp: 238038

Ion Ratio Lower Upper

93 100

95 83.9 66.7 100.1

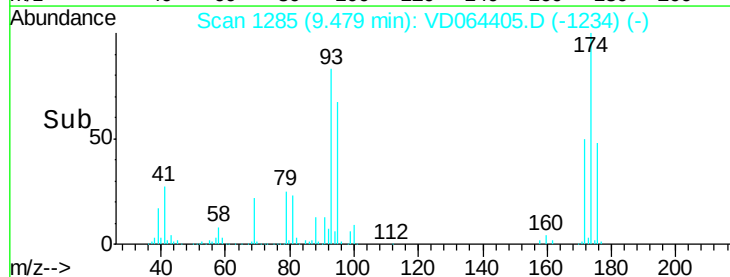
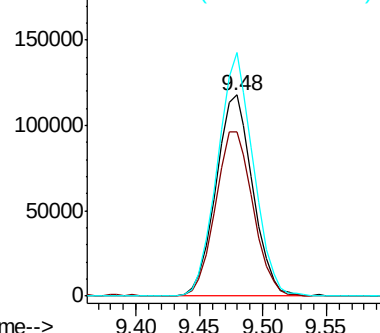
174 118.1 92.3 138.5

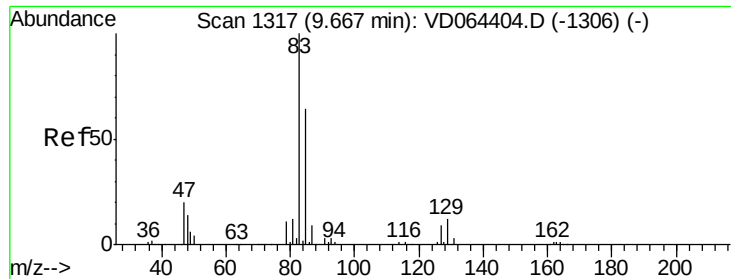


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 97.444 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

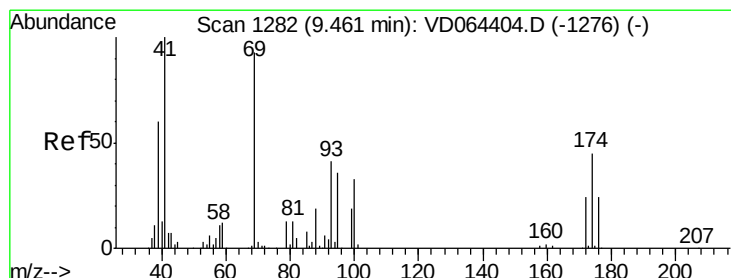
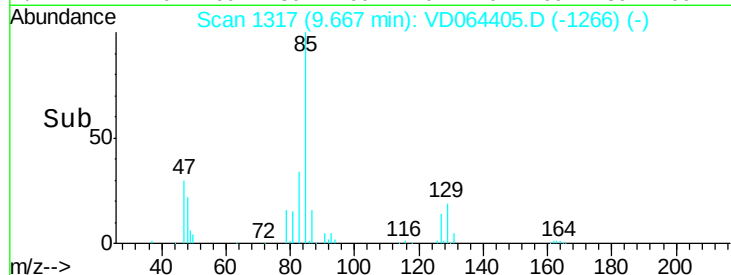
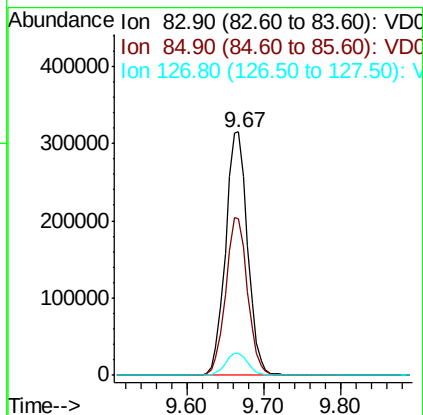
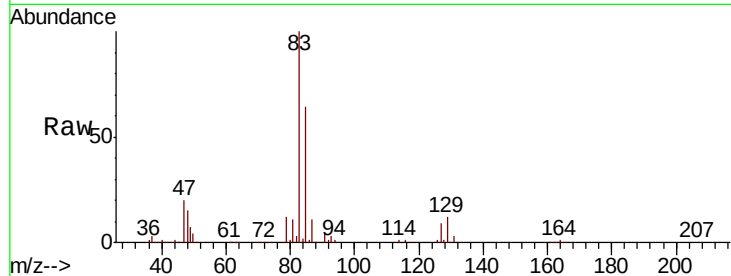
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	626256
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7
127	9.1	7.4	11.0

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#48

Methyl methacrylate

Concen: 85.443 ug/l

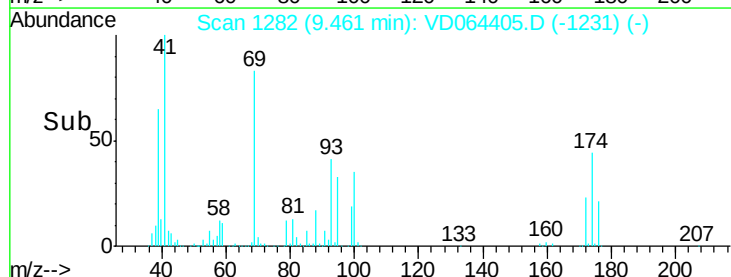
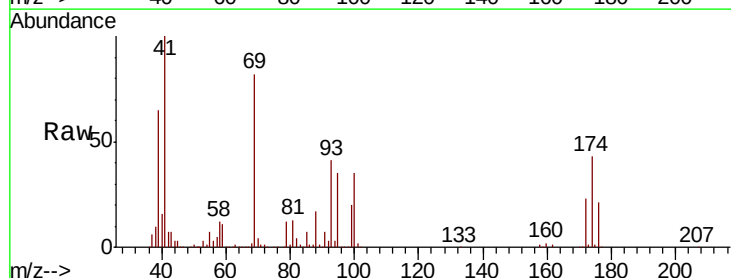
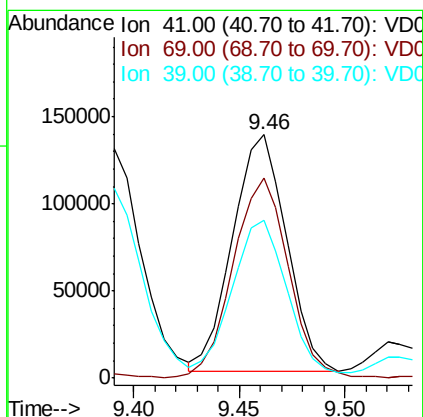
RT: 9.46 min Scan# 1282

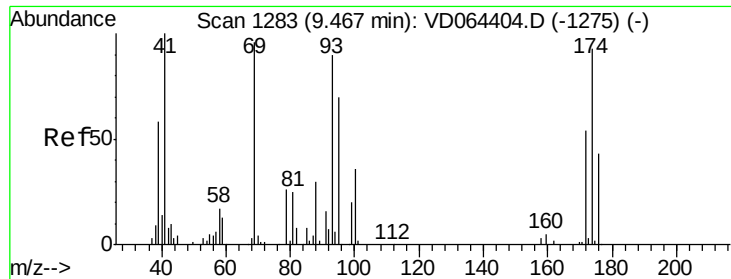
Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Tgt Ion:	41	Resp:	239245
Ion	Ratio	Lower	Upper
41	100		
69	86.8	72.0	108.0
39	64.5	55.2	82.8





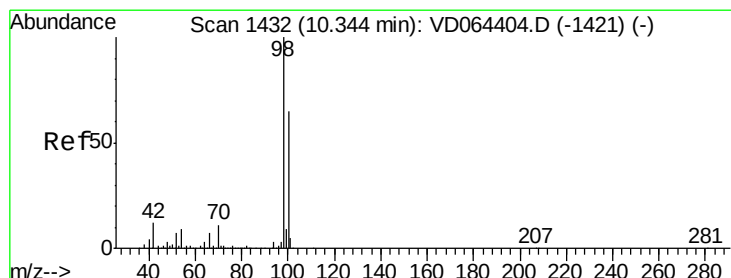
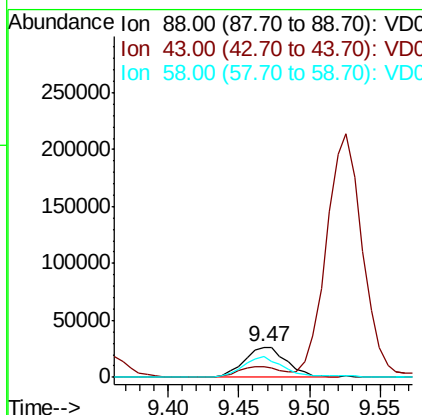
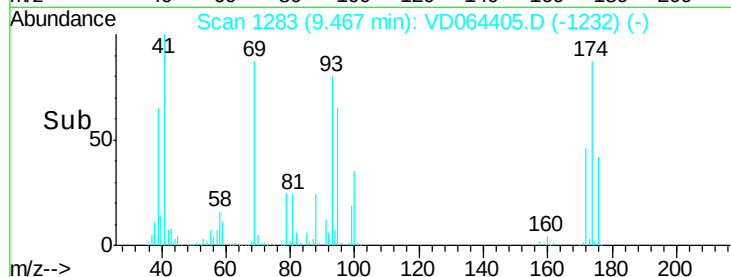
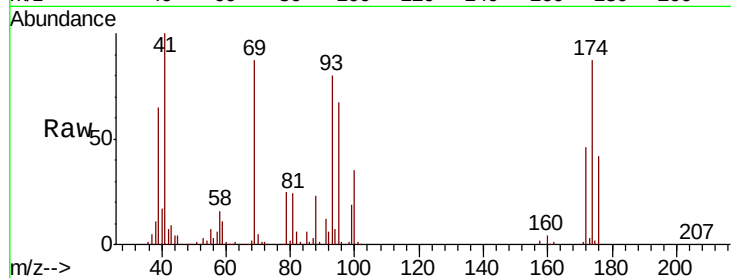
#49
1,4-Dioxane
Concen: 1923.456 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.7	26.7	40.1
58	68.6	52.3	78.5

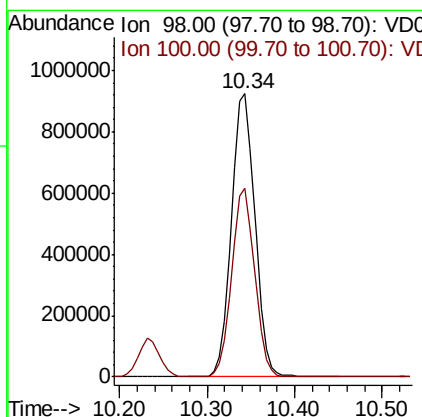
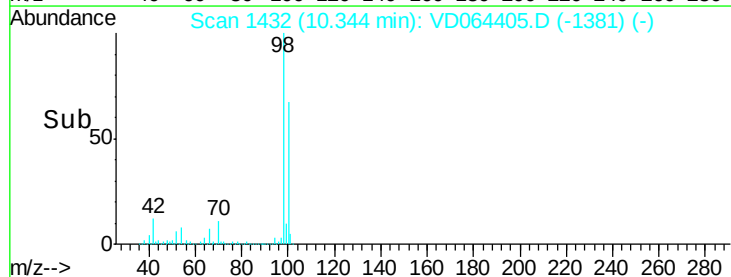
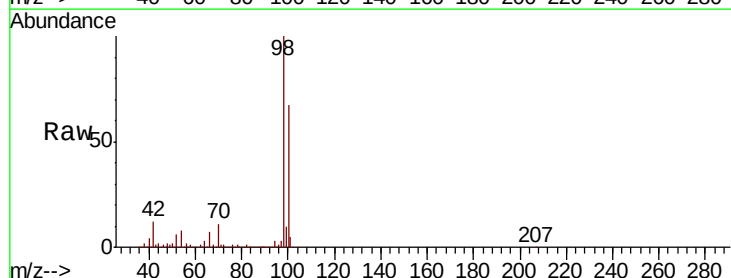
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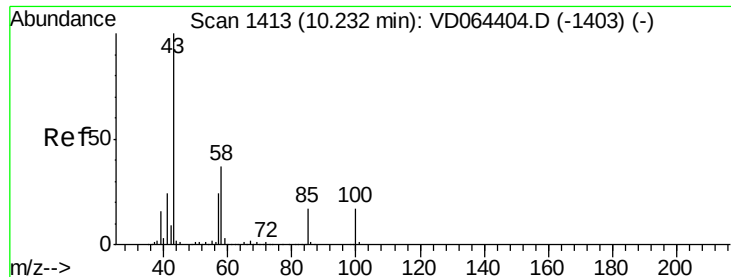
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#50
Toluene-d8
Concen: 108.116 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.6	79.0





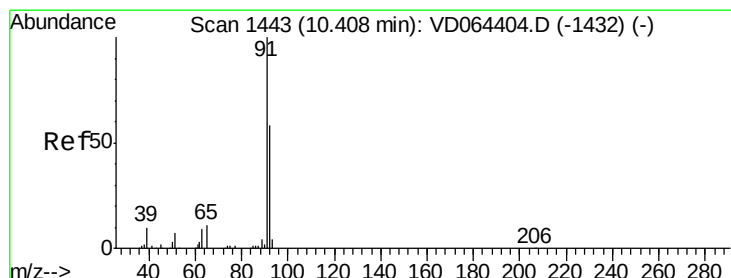
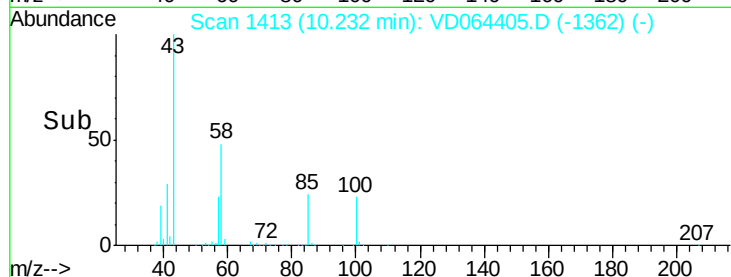
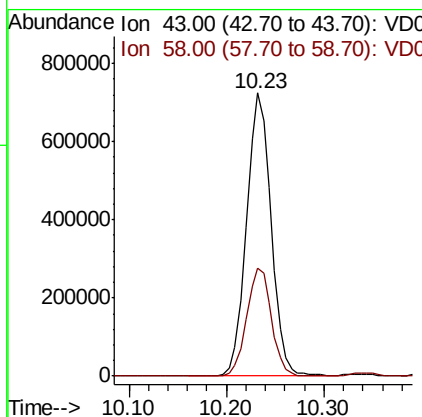
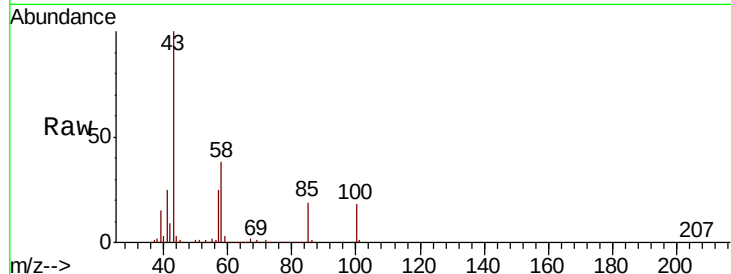
#51
4-Methyl-2-Pentanone
Concen: 460.965 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1282422
Ion Ratio Lower Upper
43 100
58 38.3 30.6 46.0

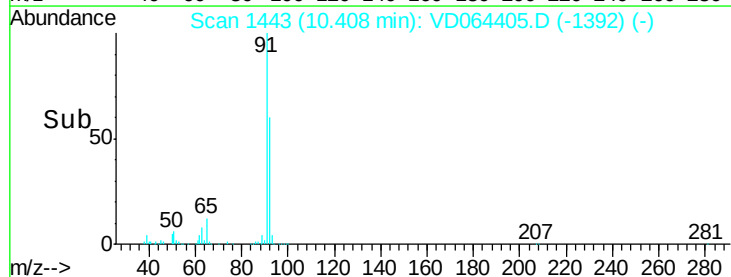
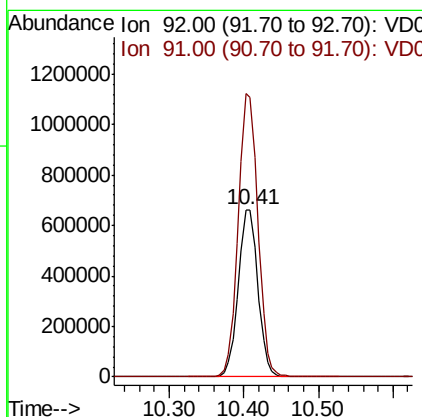
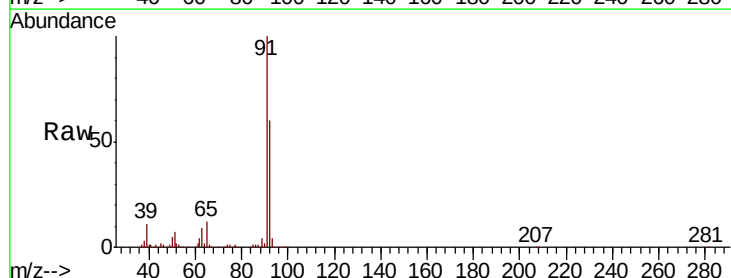
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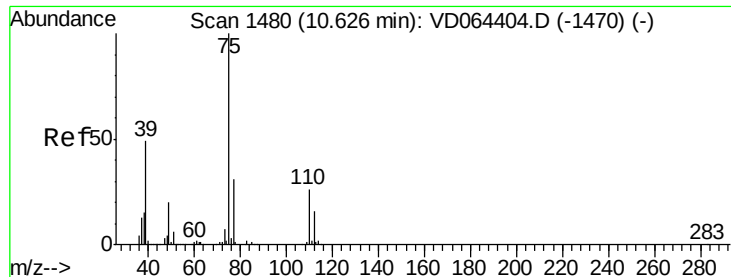
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#52
Toluene
Concen: 100.533 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion: 92 Resp: 1203735
Ion Ratio Lower Upper
92 100
91 170.8 137.8 206.6





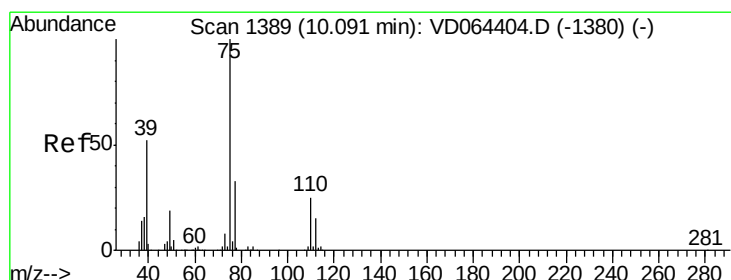
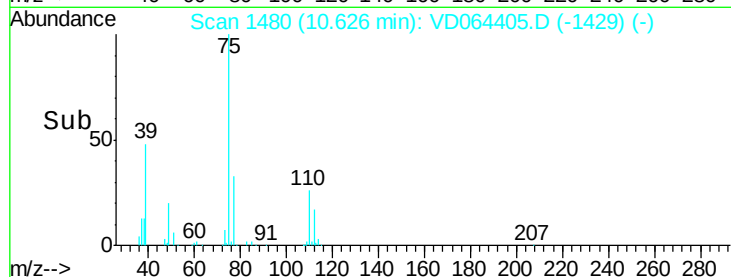
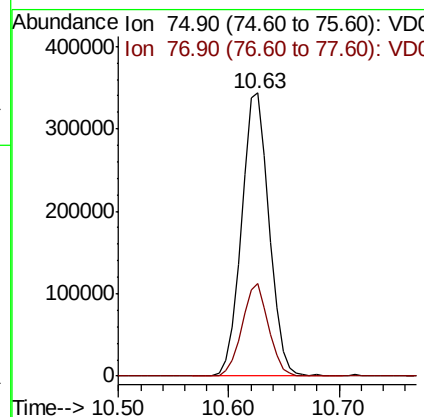
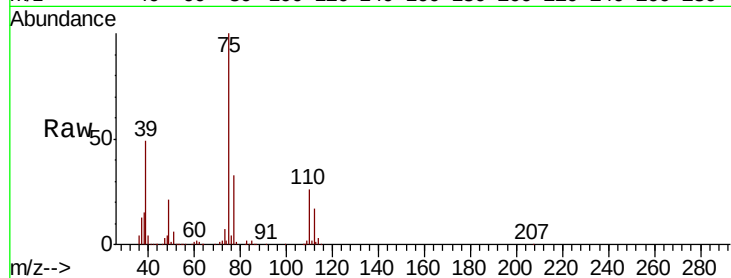
#53
t-1,3-Dichloropropene
Concen: 94.436 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.0	37.4

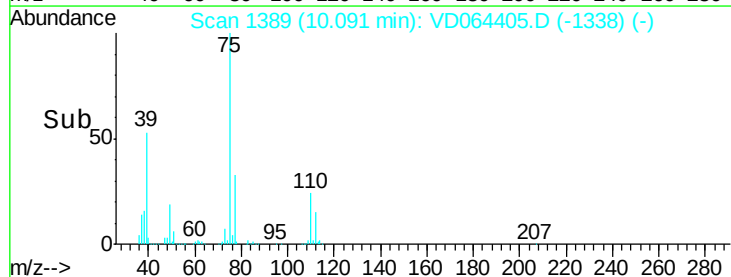
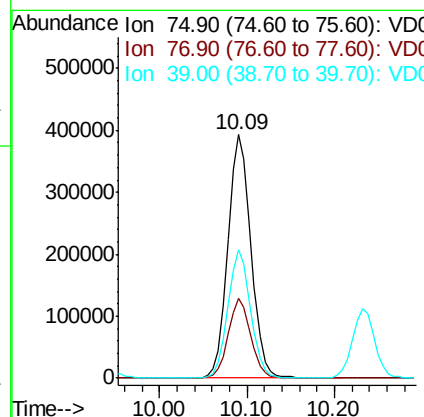
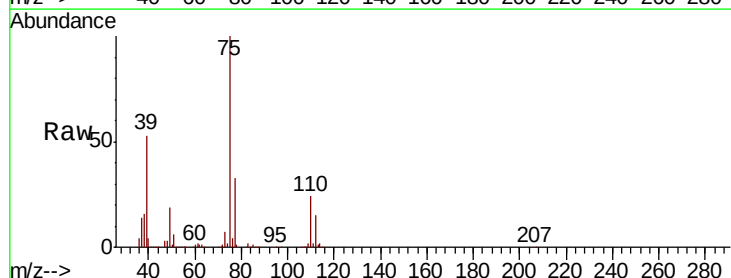
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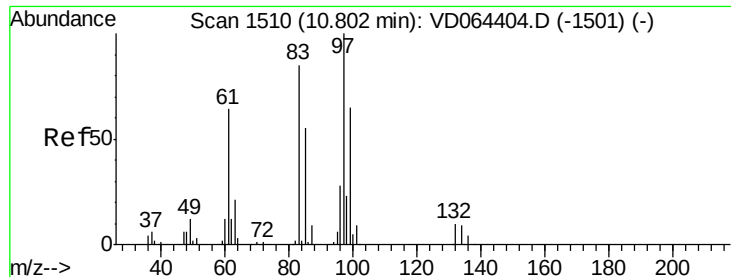
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#54
cis-1,3-Dichloropropene
Concen: 95.268 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.1	39.1
39	52.7	41.5	62.3





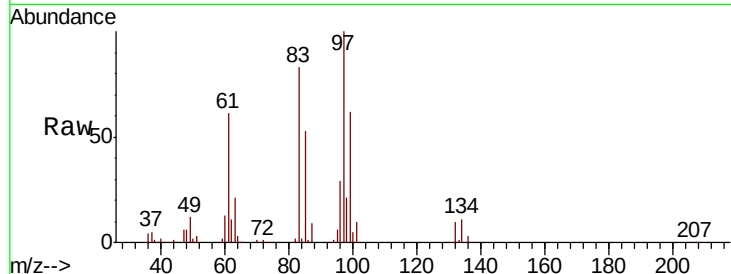
#55
 1,1,2-Trichloroethane
 Concen: 99.751 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

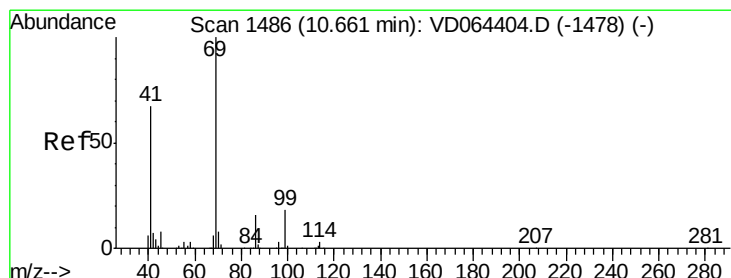
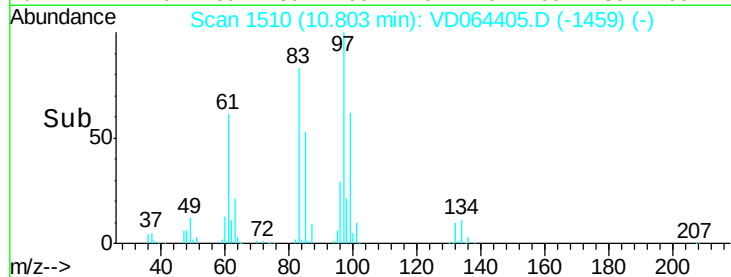
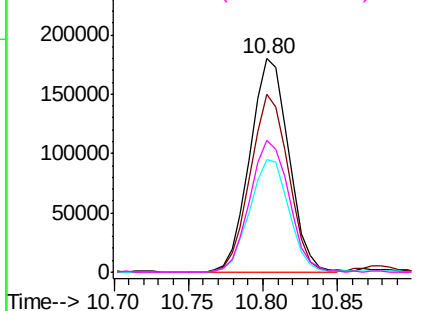
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		324200		
83	83.0	67.8	101.8		
85	52.5	43.7	65.5		
99	61.5	51.7	77.5		

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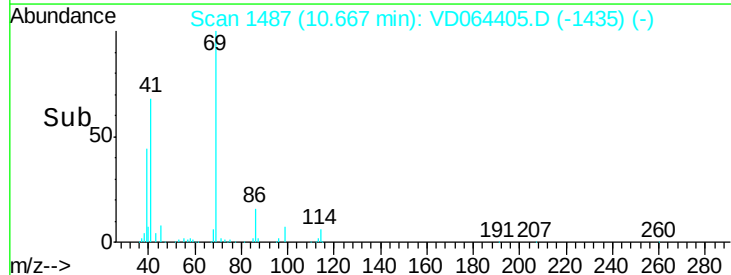
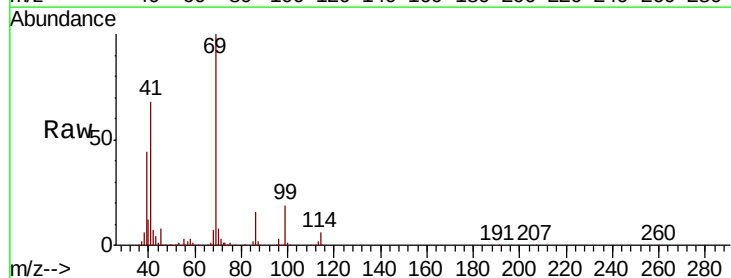
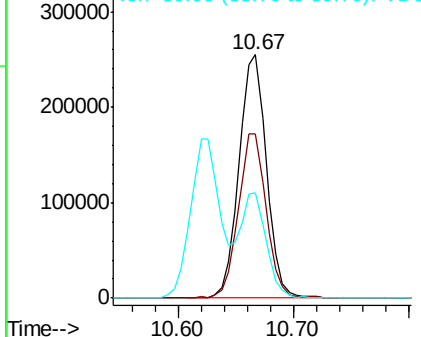
Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

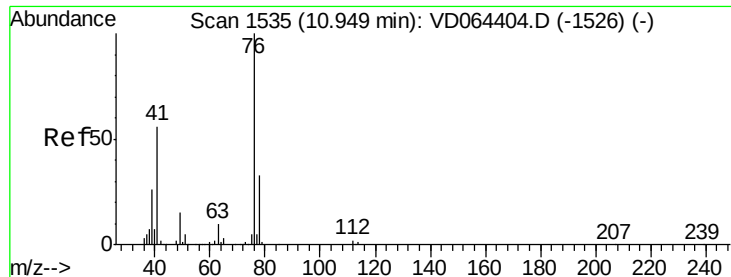


#56
 Ethyl methacrylate
 Concen: 93.497 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		420826		
41	69.3	55.0	82.4		
39	43.2	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





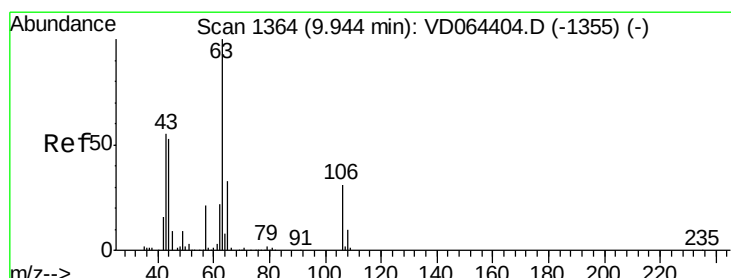
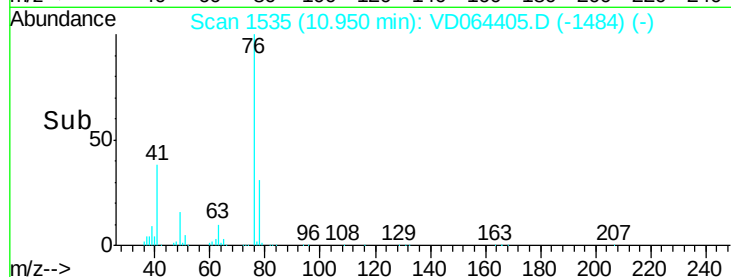
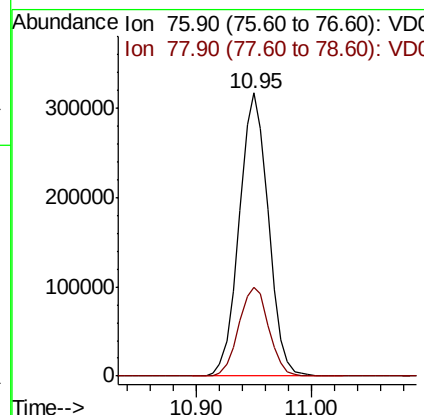
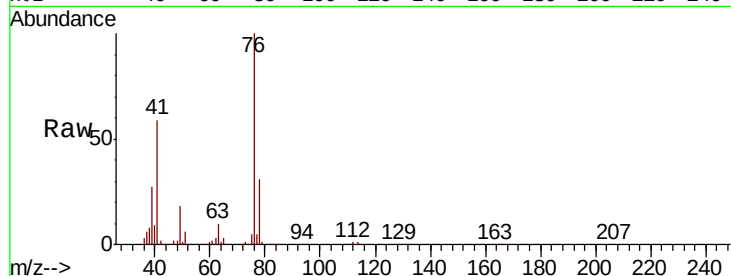
#57
 1,3-Dichloropropane
 Concen: 97.831 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 553099
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0

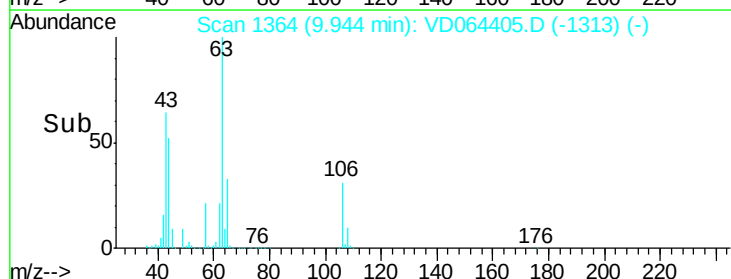
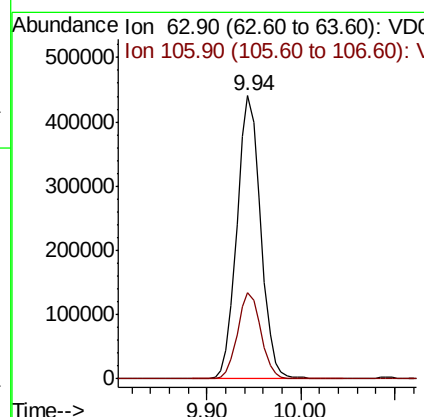
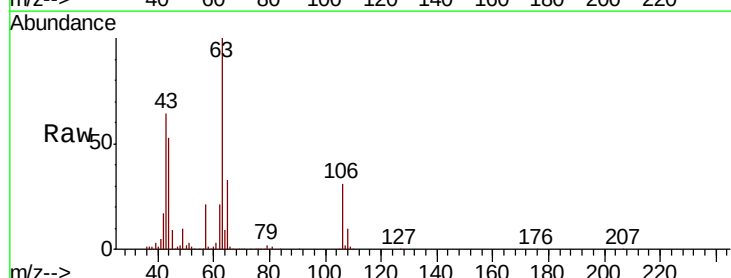
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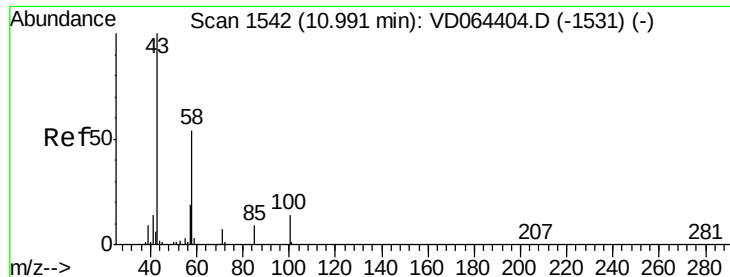
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#58
 2-Chloroethyl Vinyl ether
 Concen: 430.406 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Tgt Ion: 63 Resp: 771836
 Ion Ratio Lower Upper
 63 100
 106 30.2 24.2 36.4





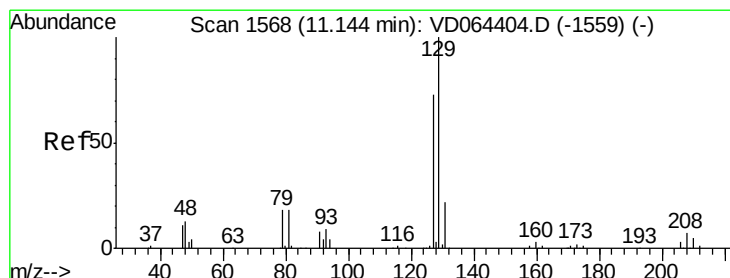
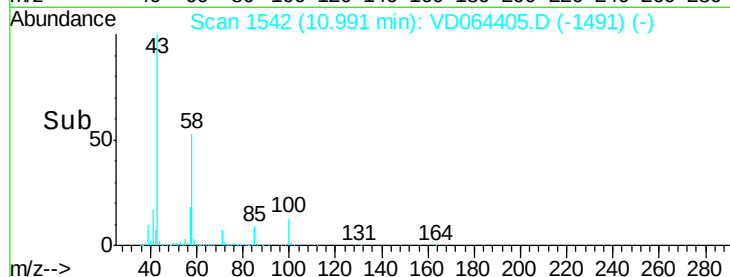
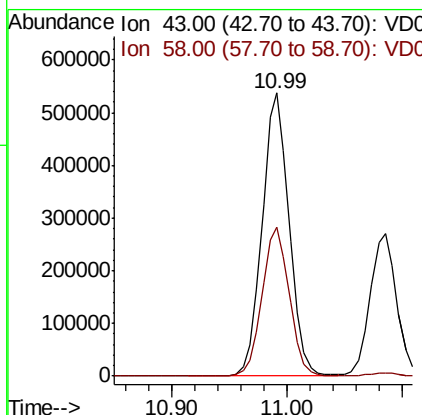
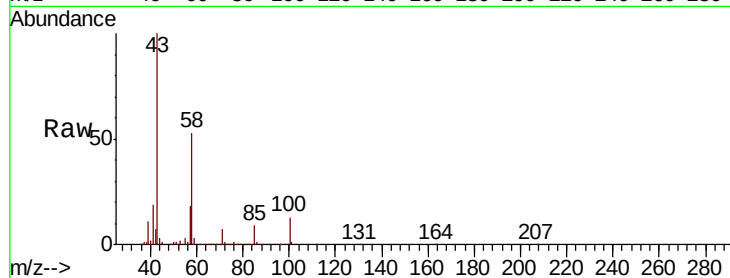
#59
2-Hexanone
Concen: 446.592 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 878541
Ion Ratio Lower Upper
43 100
58 53.0 26.3 78.8

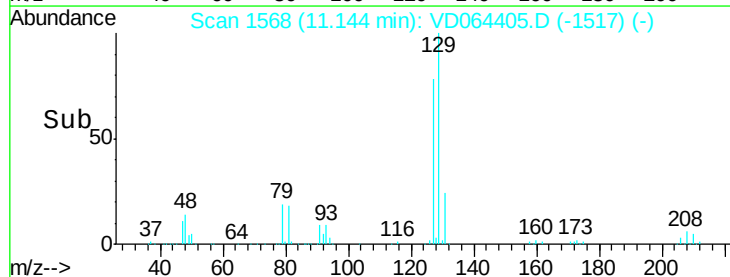
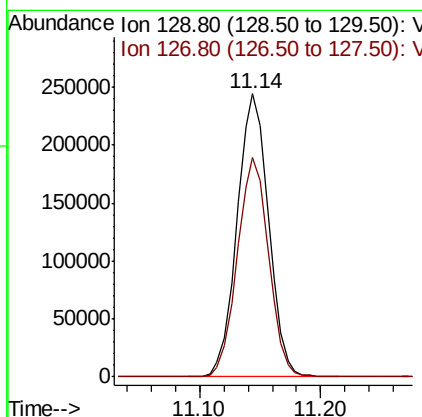
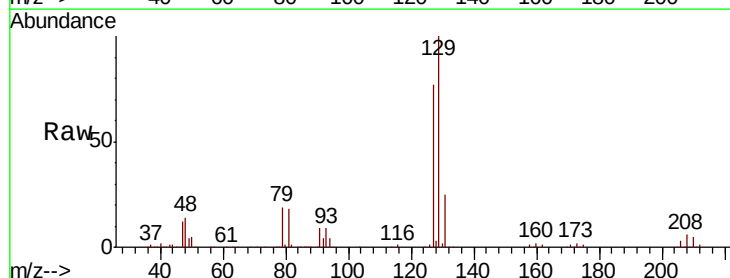
Manual Integrations
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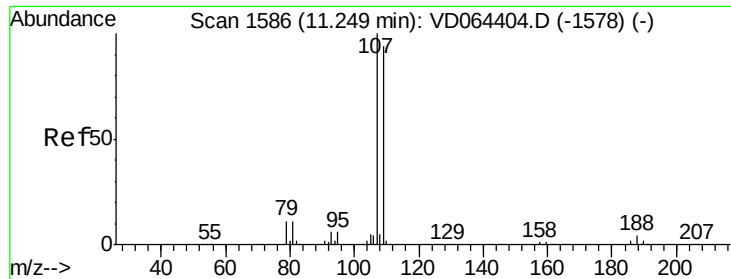
apatel
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#60
Dibromochloromethane
Concen: 98.140 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion: 129 Resp: 444664
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.3





#61

1,2-Dibromoethane

Concen: 98.204 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 319818

Ion Ratio Lower Upper

107 100

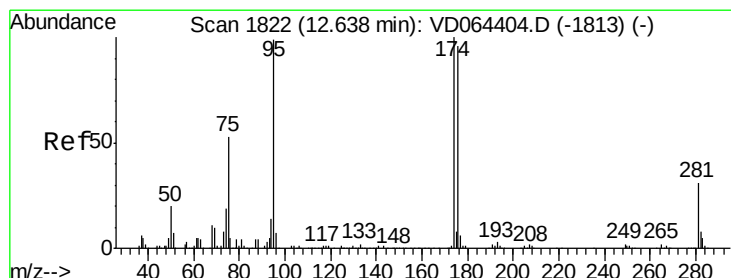
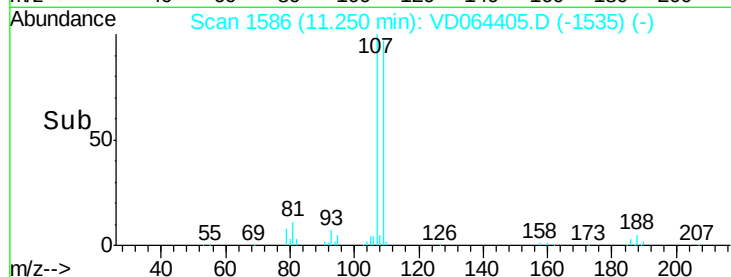
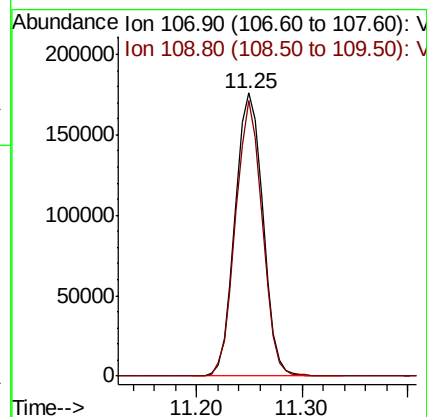
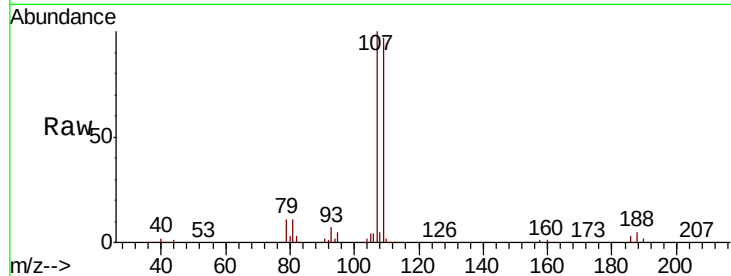
109 93.8 76.2 114.2

Manual Integrations

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apatel

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#62

4-Bromofluorobenzene

Concen: 99.060 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

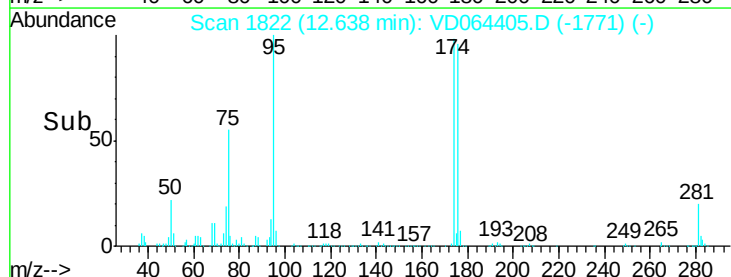
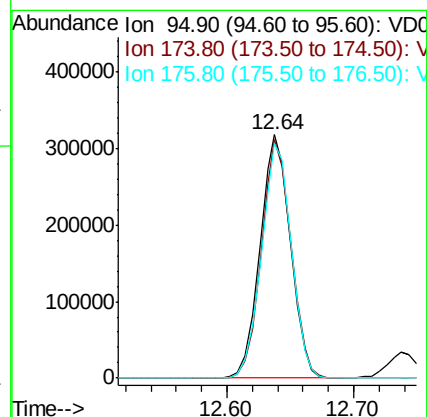
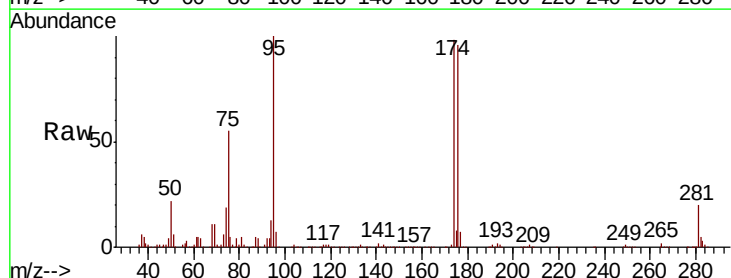
Tgt Ion: 95 Resp: 528732

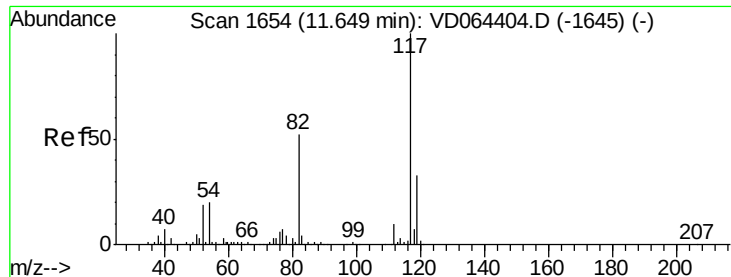
Ion Ratio Lower Upper

95 100

174 95.9 0.0 197.2

176 95.1 0.0 189.6





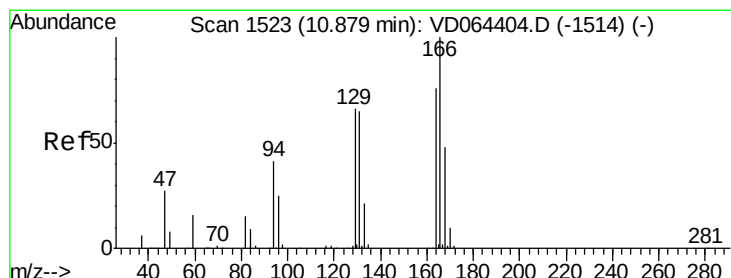
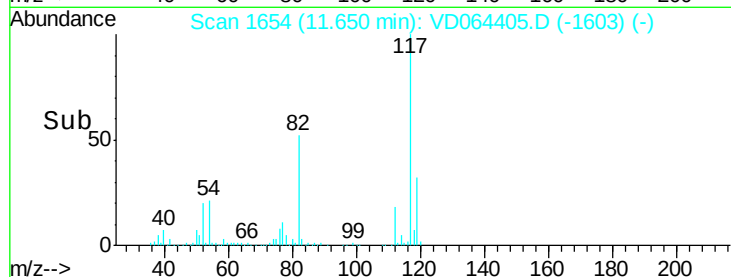
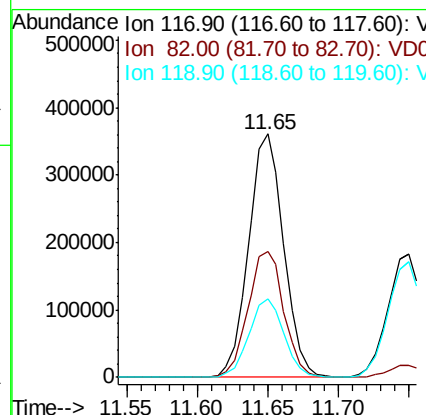
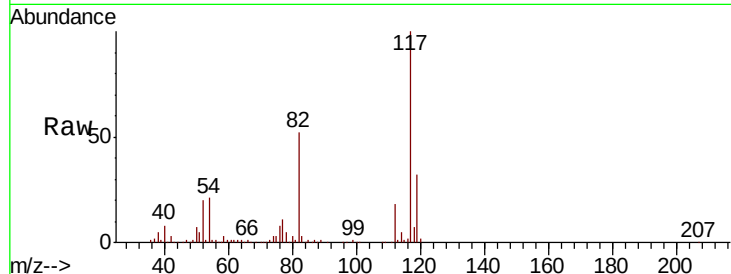
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.4	62.2
119	32.4	26.2	39.2

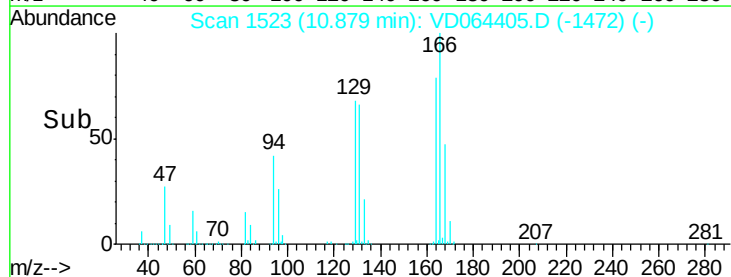
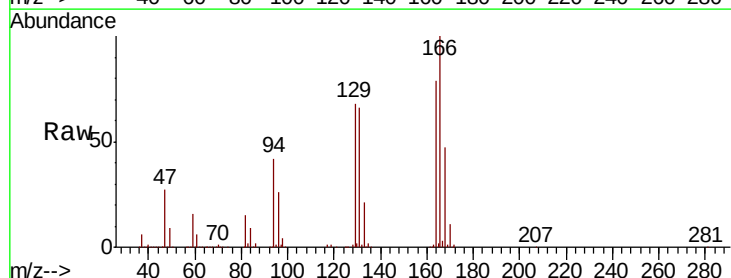
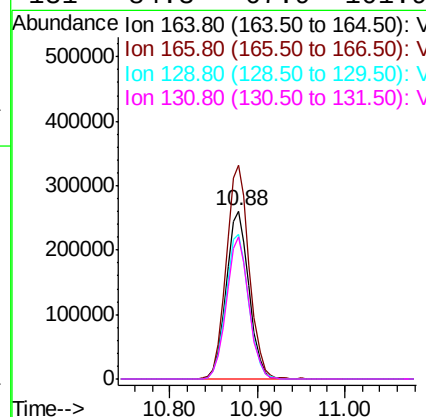
Manual Integrations
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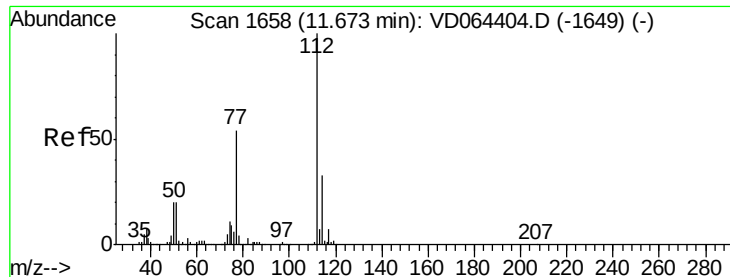
apatel
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#64
Tetrachloroethene
Concen: 97.348 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	104.8	157.2
129	85.7	68.7	103.1
131	84.3	67.9	101.9





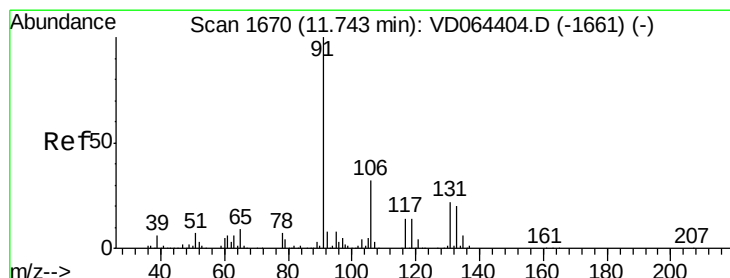
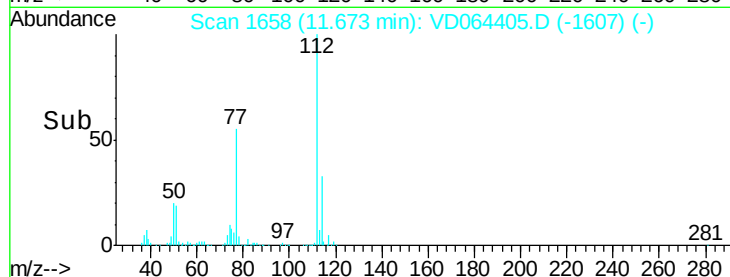
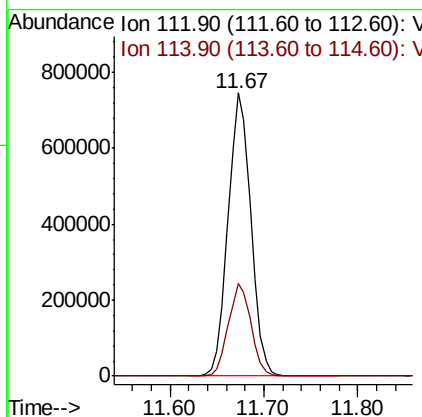
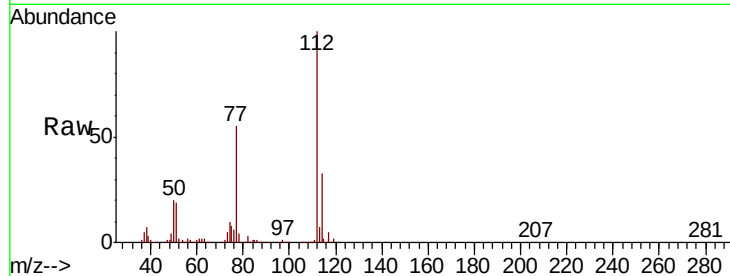
#65
Chlorobenzene
Concen: 98.676 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1257056
Ion Ratio Lower Upper
112 100
114 32.8 26.5 39.7

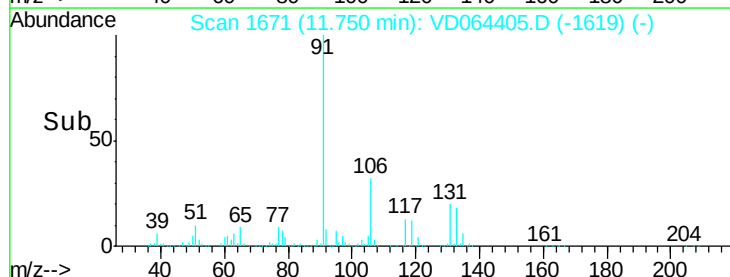
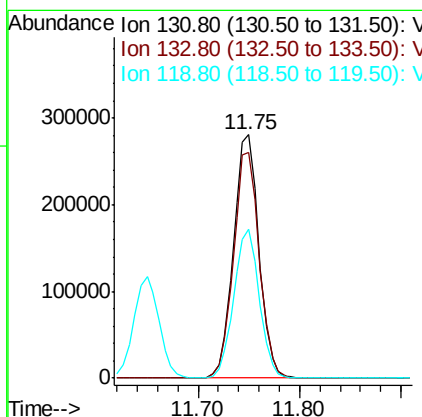
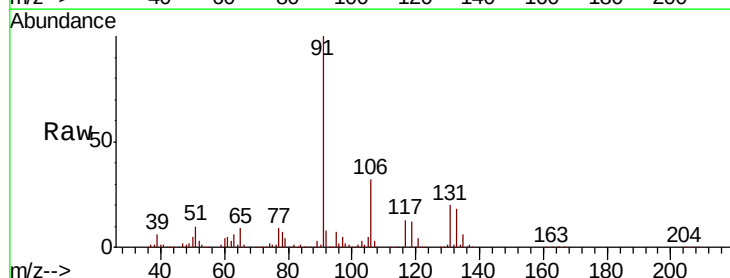
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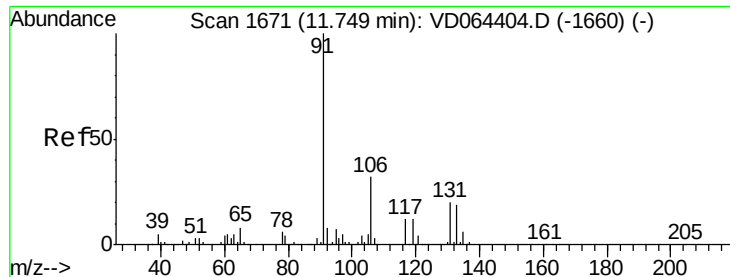
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 100.629 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion:131 Resp: 487006
Ion Ratio Lower Upper
131 100
133 94.4 48.3 144.9
119 61.8 31.9 95.9





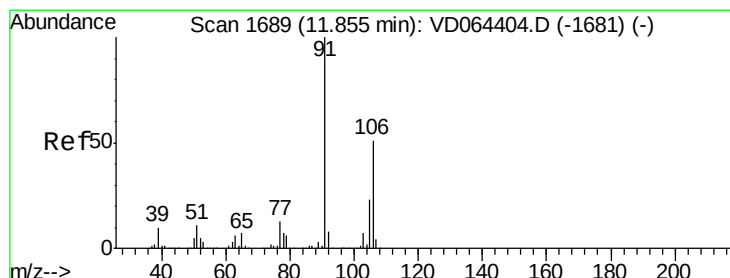
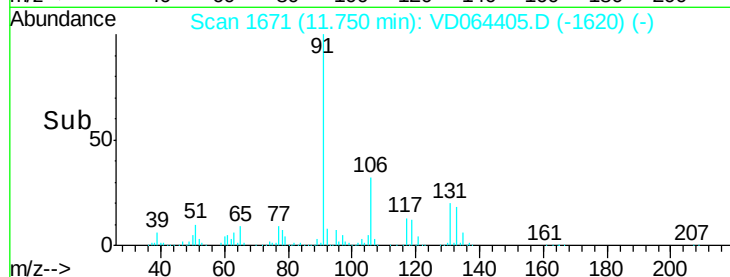
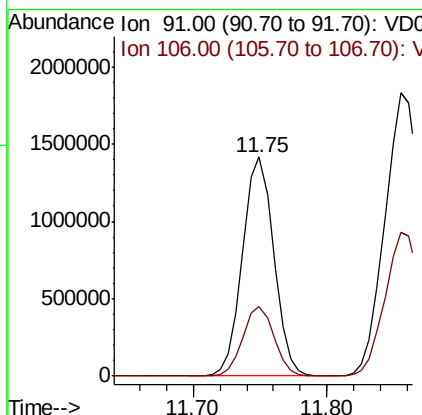
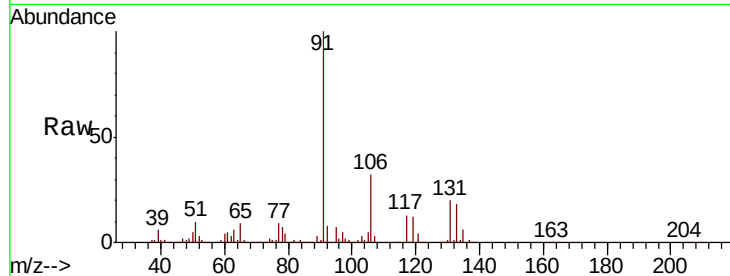
#67
Ethyl Benzene
Concen: 99.873 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2296239
Ion Ratio Lower Upper
91 100
106 31.9 25.8 38.8

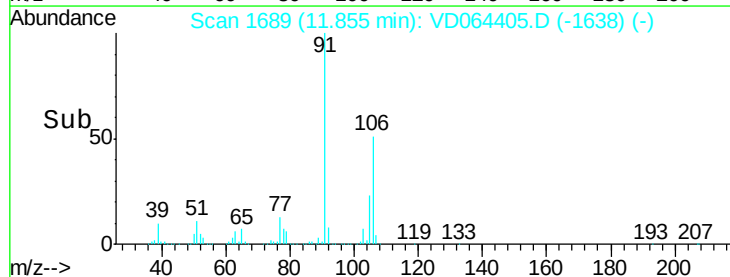
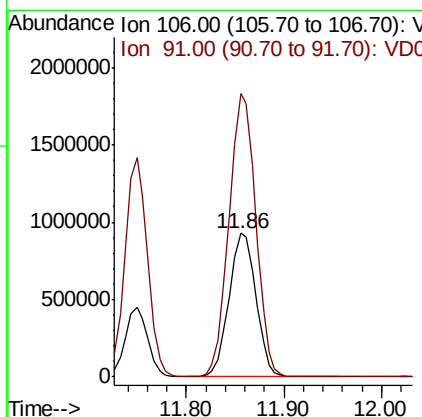
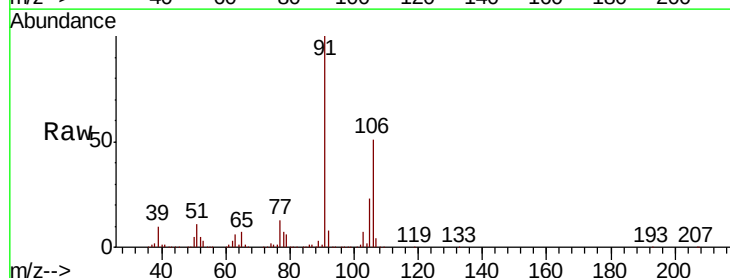
Manual Integrations
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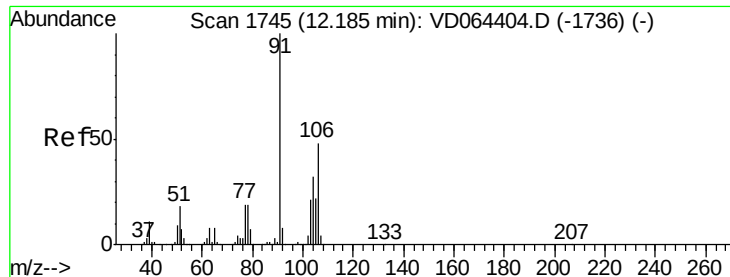
apatel
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#68
m/p-Xylenes
Concen: 201.423 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion: 106 Resp: 1773964
Ion Ratio Lower Upper
106 100
91 197.5 157.4 236.2





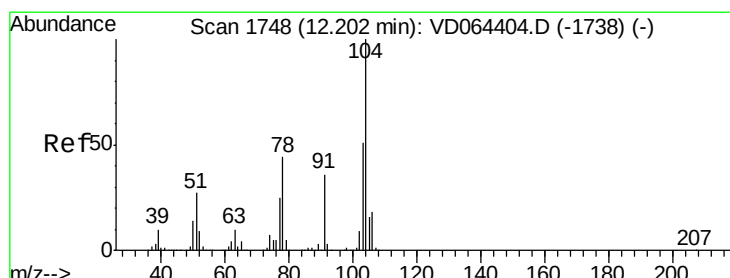
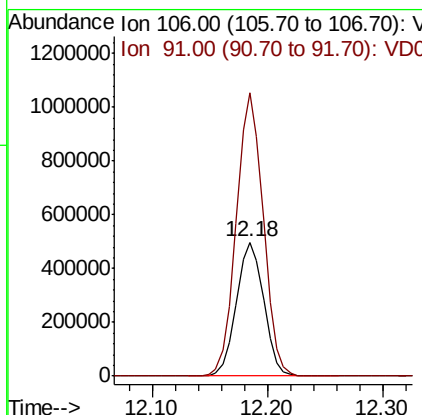
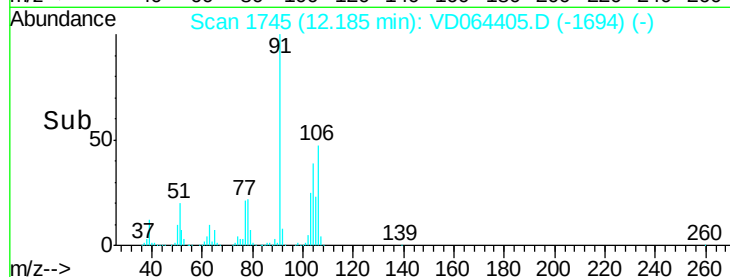
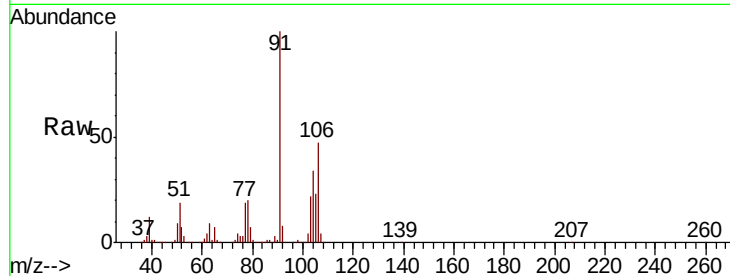
#69
o-Xylene
Concen: 100.014 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 816950
Ion Ratio Lower Upper
106 100
91 208.3 103.8 311.4

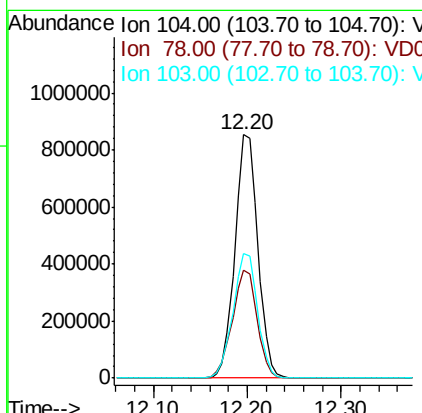
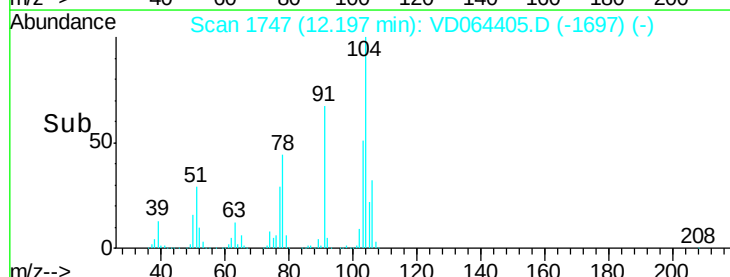
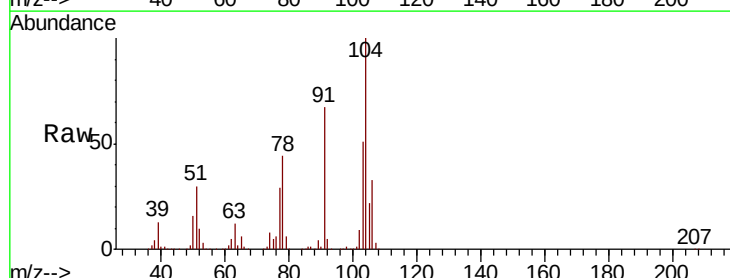
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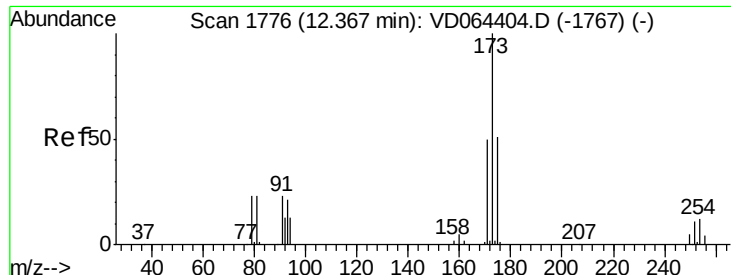
apatel
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#70
Styrene
Concen: 101.482 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion:104 Resp: 1444718
Ion Ratio Lower Upper
104 100
78 47.8 38.8 58.2
103 54.8 44.2 66.4





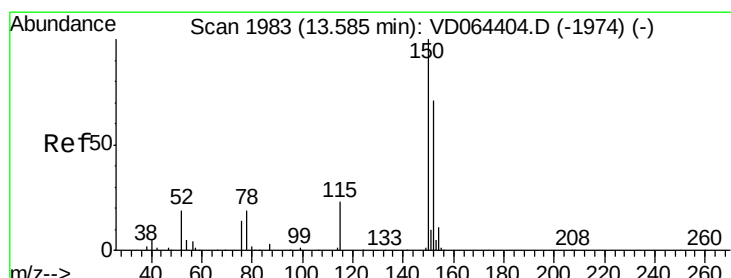
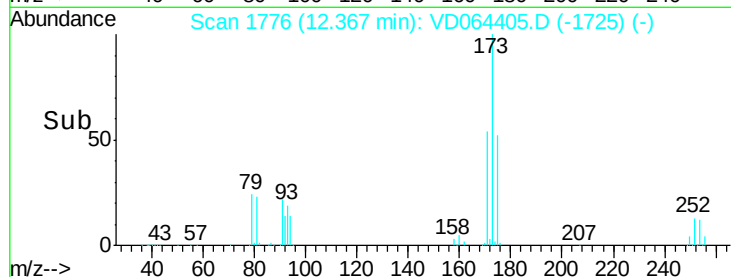
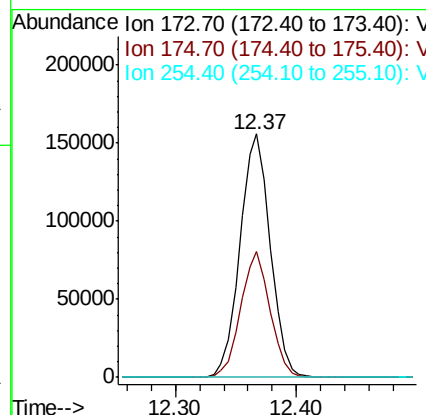
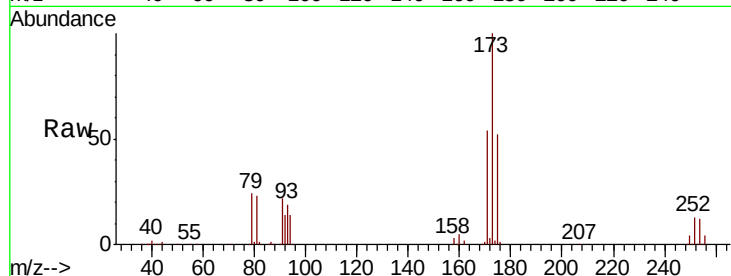
#71
Bromoform
Concen: 98.502 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	25.3	75.8
254	0.1	0.0	0.0

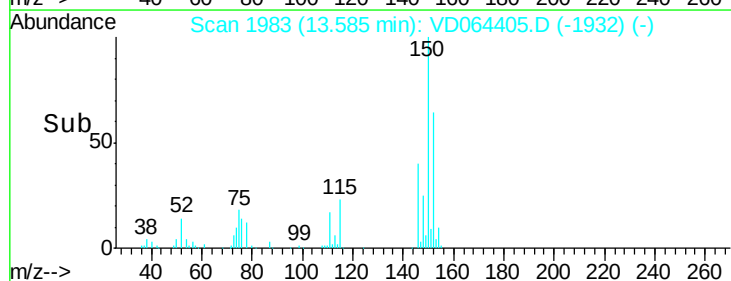
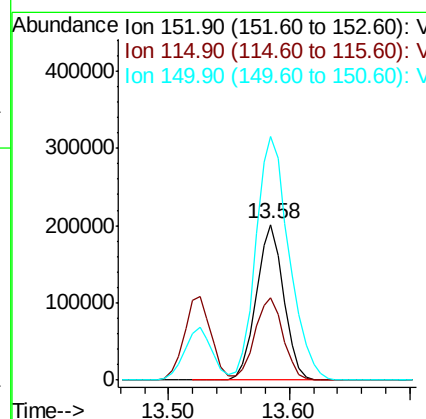
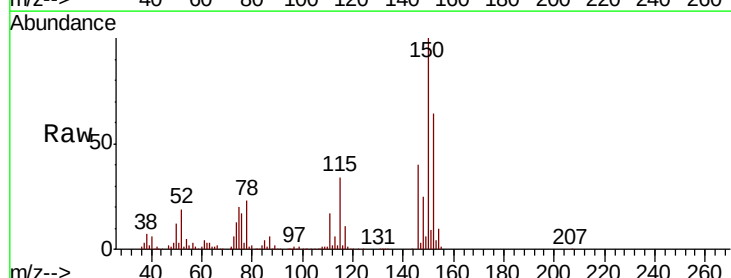
Manual Integrations
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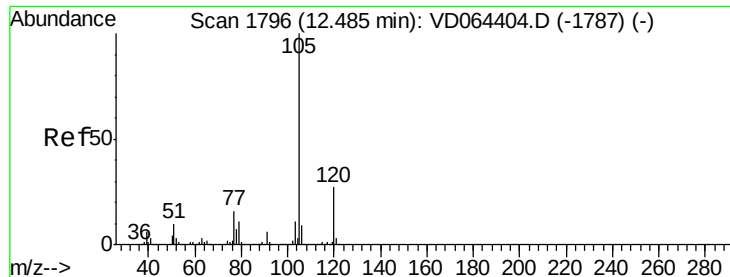
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	26.7	80.1
150	189.9	0.0	347.2





#73

Isopropylbenzene

Concen: 96.030 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2221620

Ion Ratio Lower Upper

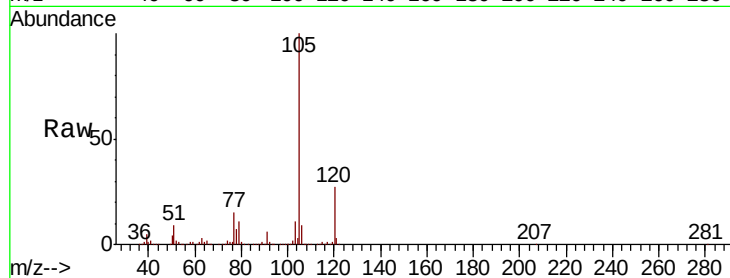
105 100

120 27.1 13.4 40.2

Manual Integrations
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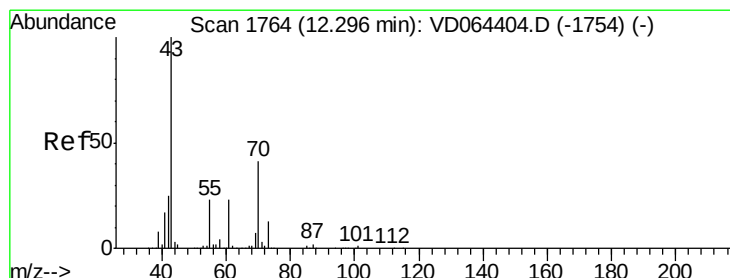
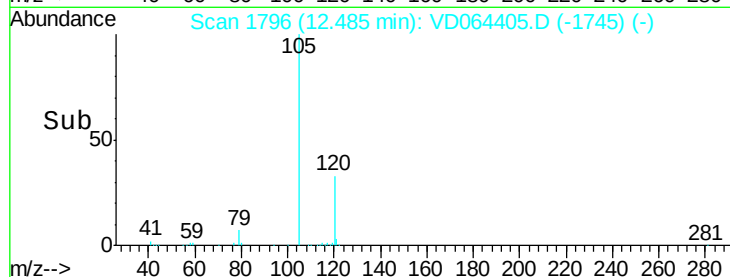
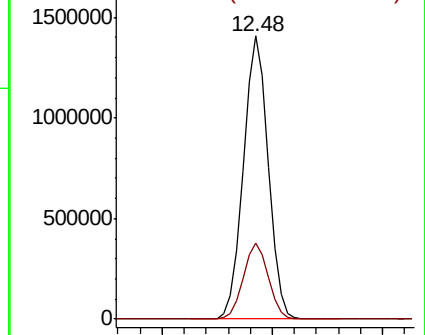
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 88.443 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Tgt Ion: 43 Resp: 483571

Ion Ratio Lower Upper

43 100

70 42.2 33.4 50.2

55 23.0 18.9 28.3

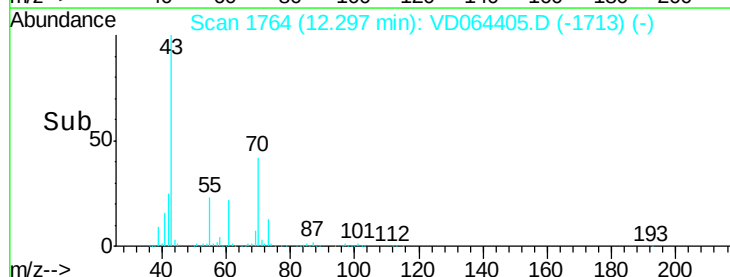
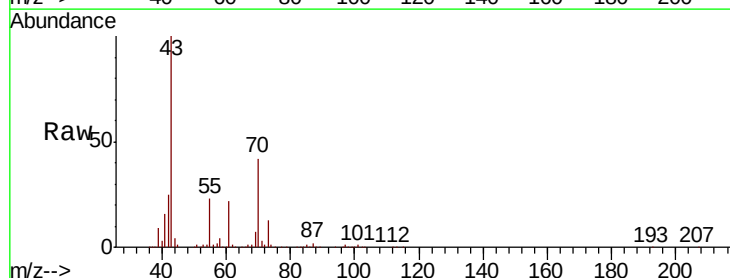
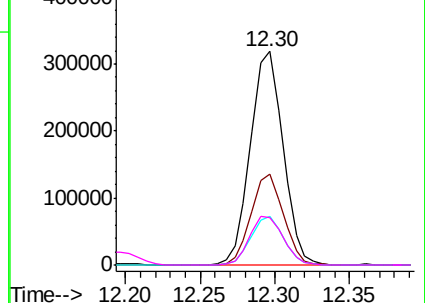
61 23.8 18.5 27.7

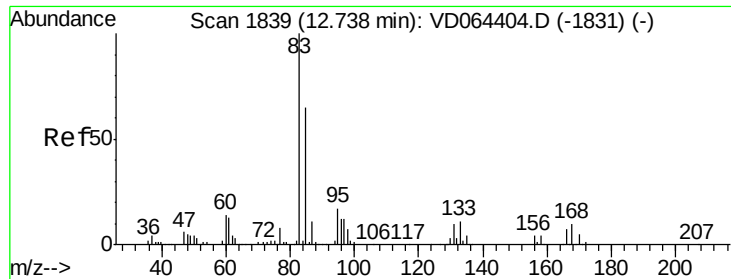
Abundance Ion 43.00 (42.70 to 43.70): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 94.361 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

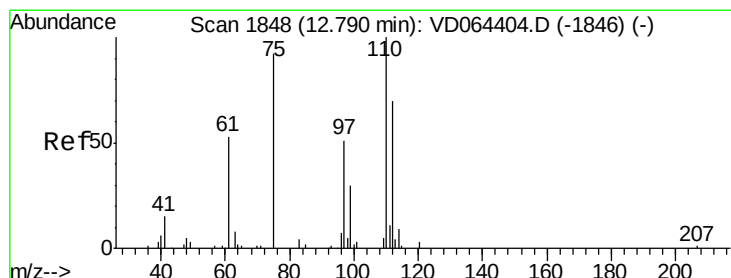
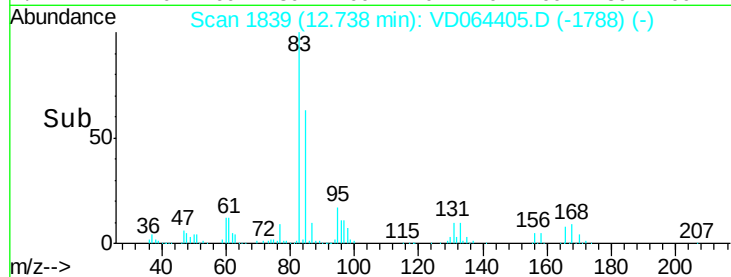
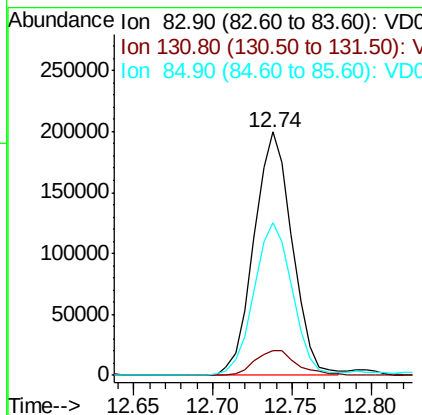
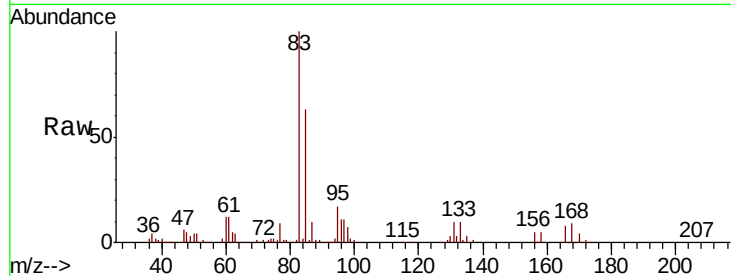
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	335487
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.0
85	63.0	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 103.945 ug/l m

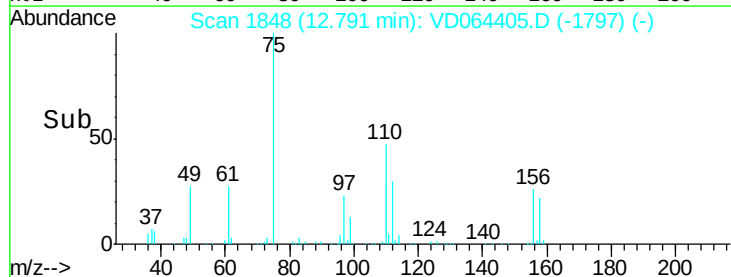
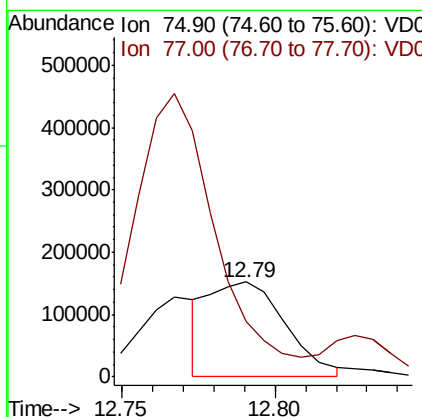
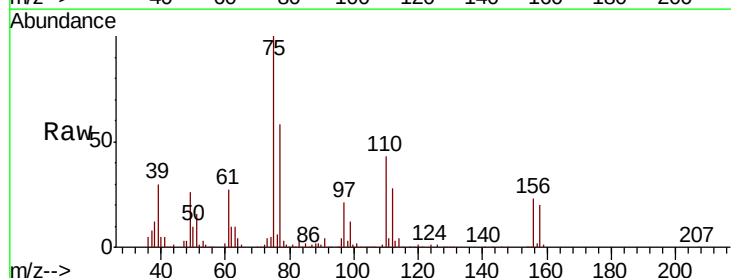
RT: 12.79 min Scan# 1848

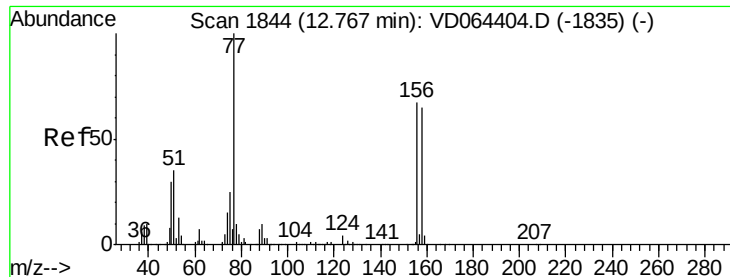
Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Tgt Ion:	75	Resp:	263570
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 94.689 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

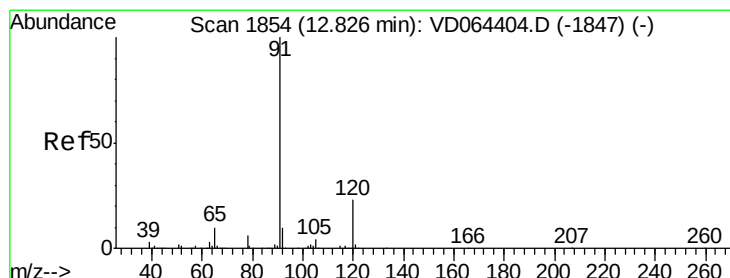
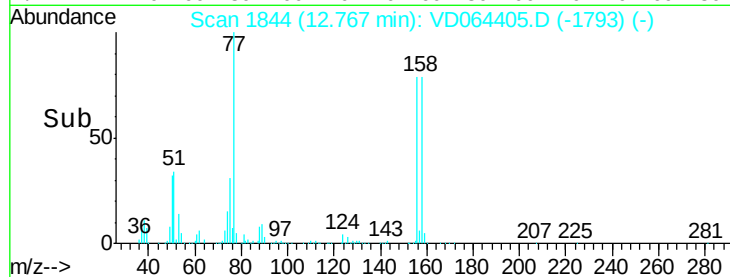
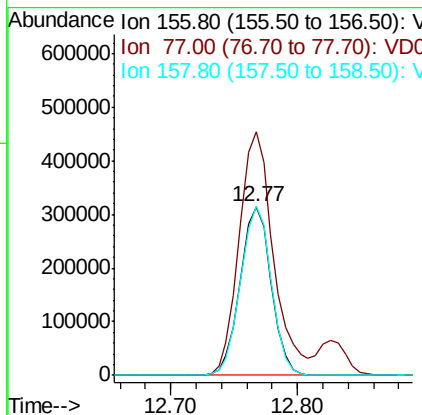
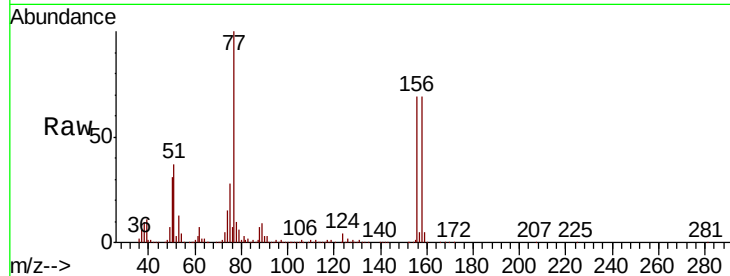
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.0	80.0	240.2
158	99.3	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 97.516 ug/l

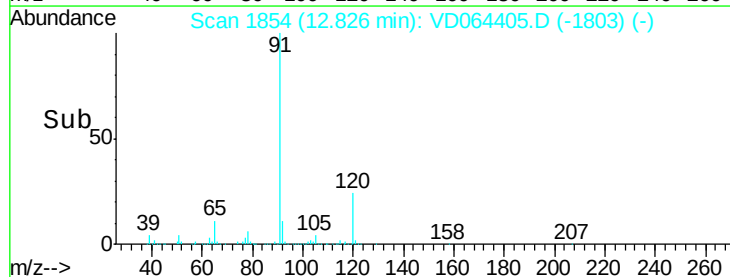
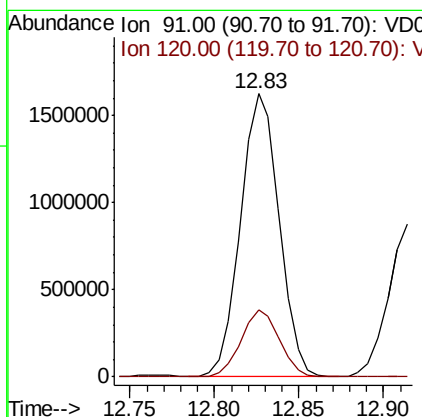
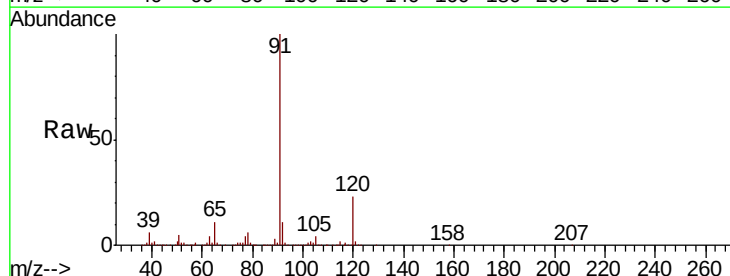
RT: 12.83 min Scan# 1854

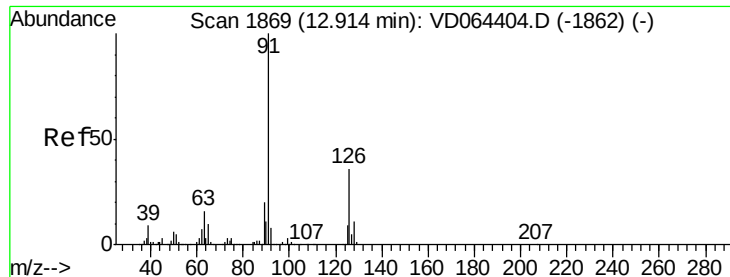
Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.9





#79

2-Chlorotoluene

Concen: 94.619 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 91 Resp: 1407839

Ion Ratio Lower Upper

91 100

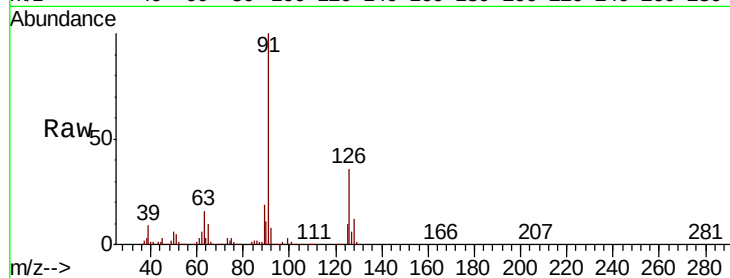
126 35.9 18.0 54.0

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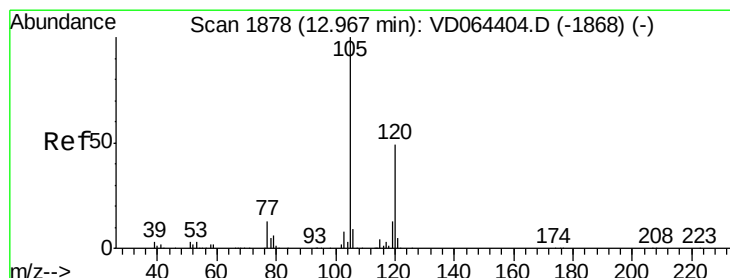
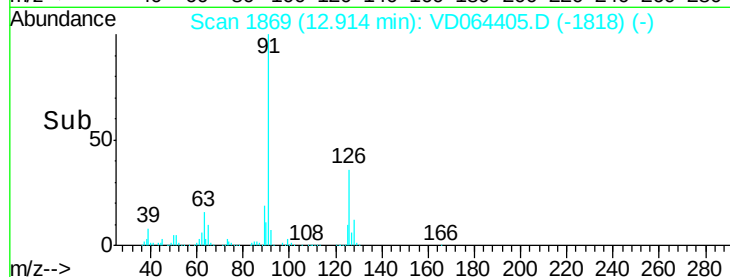
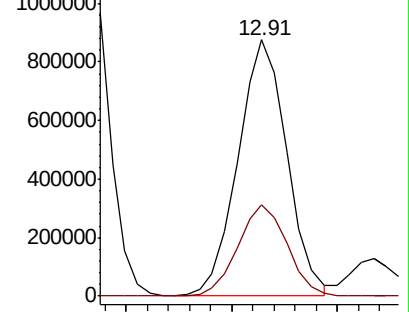
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 96.273 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064405.D

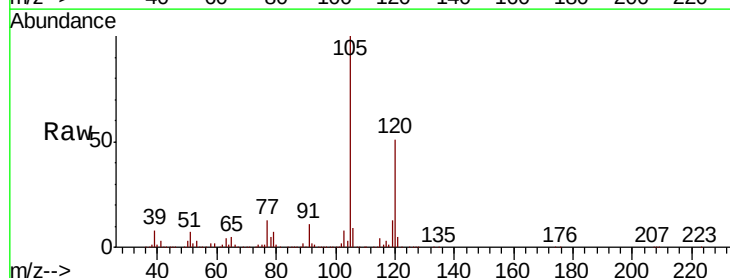
Acq: 27 Nov 2019 19:46

Tgt Ion:105 Resp: 1831899

Ion Ratio Lower Upper

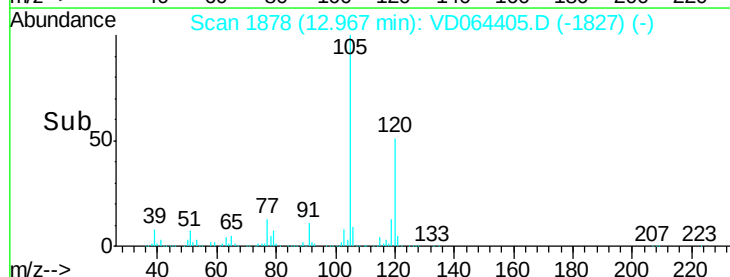
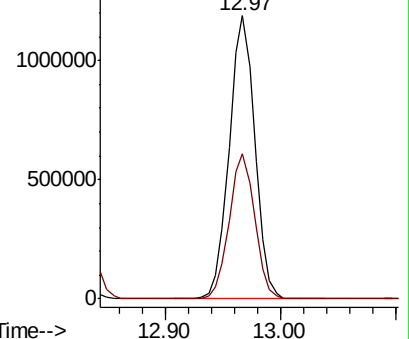
105 100

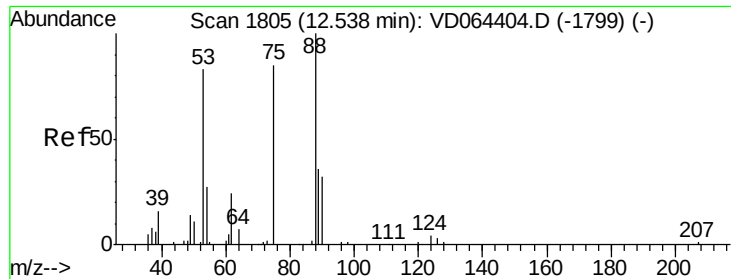
120 51.0 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





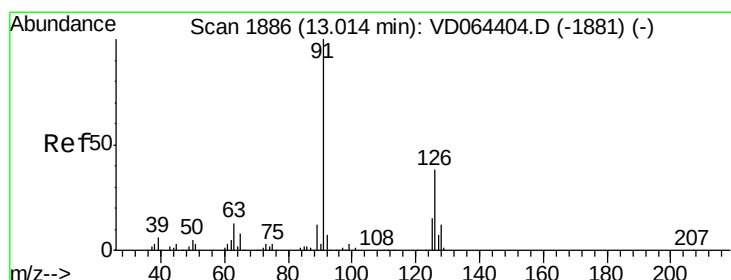
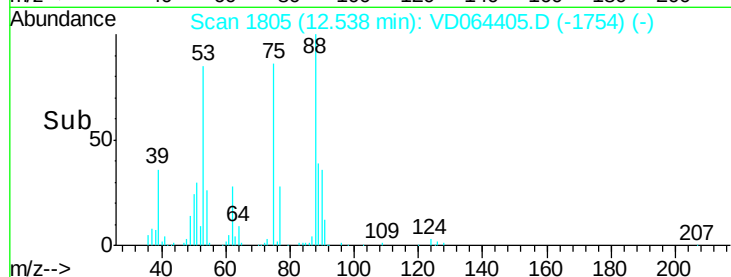
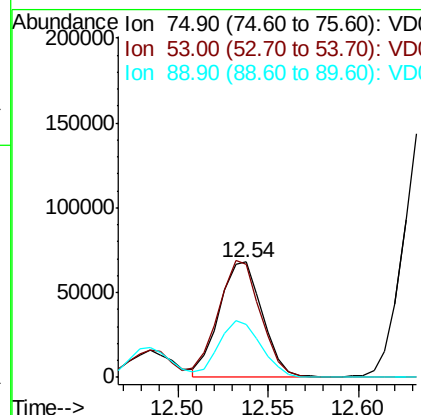
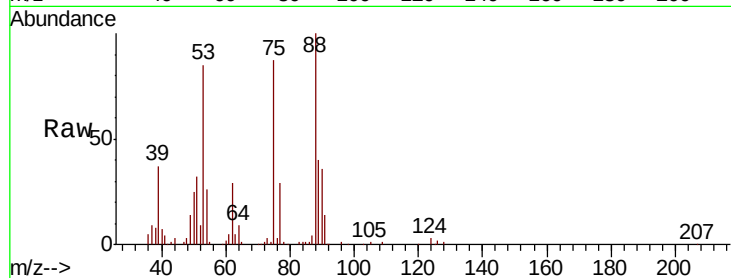
#81
trans-1,4-Dichloro-2-butene
Concen: 88.812 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.7	81.0	121.6
89	47.9	38.5	57.7

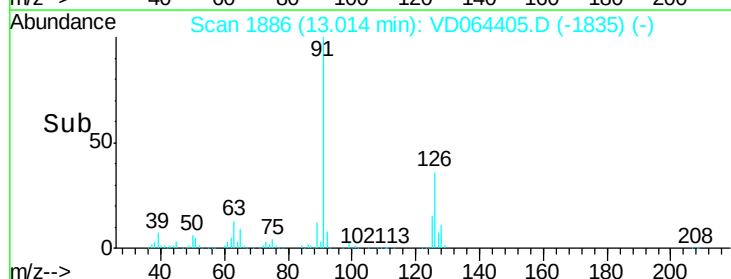
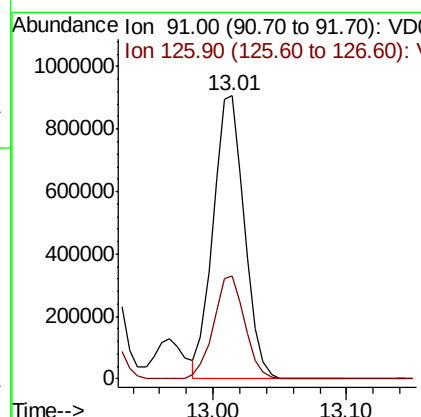
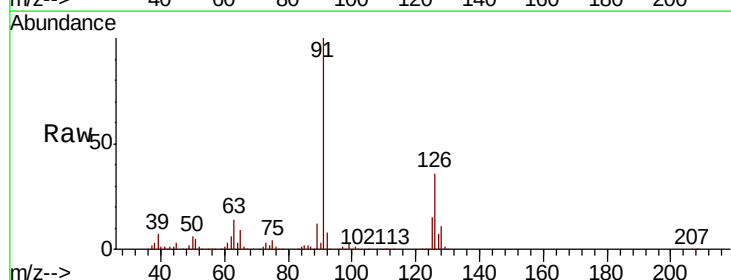
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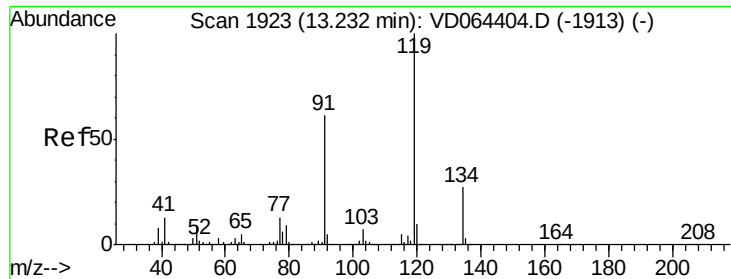
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#82
4-Chlorotoluene
Concen: 95.497 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.2	54.6





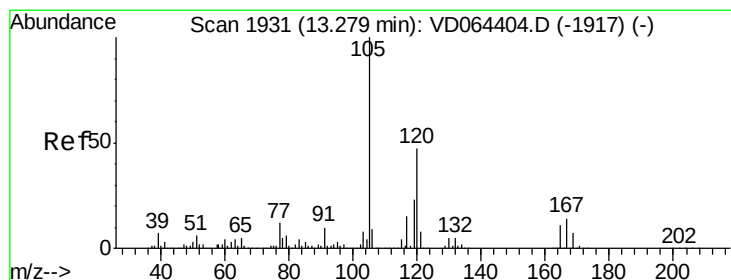
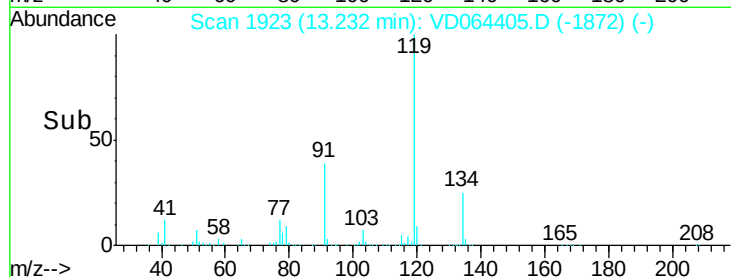
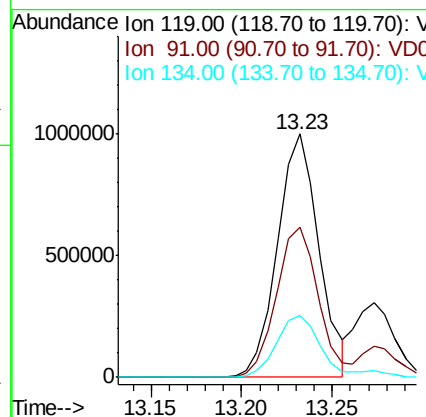
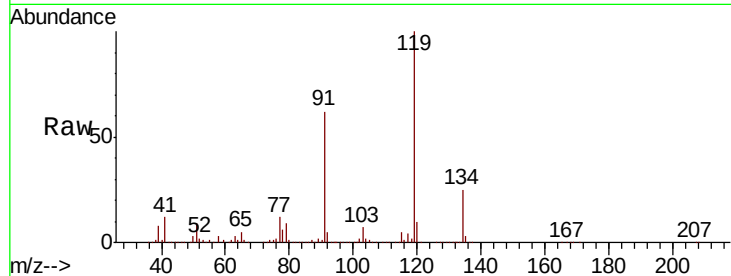
#83
tert-Butylbenzene
Concen: 95.788 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	31.2	93.6
134	26.3	13.9	41.7

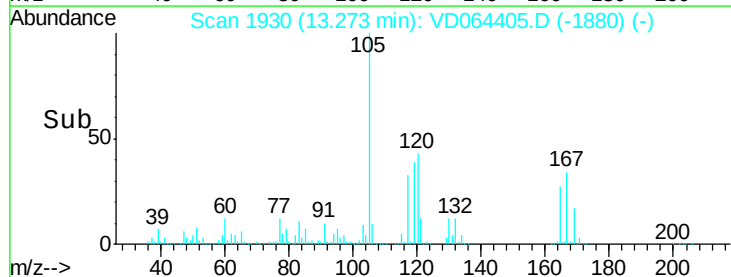
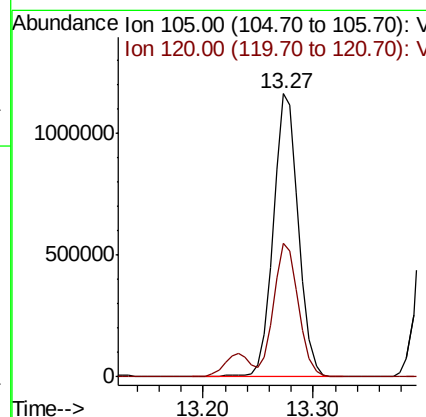
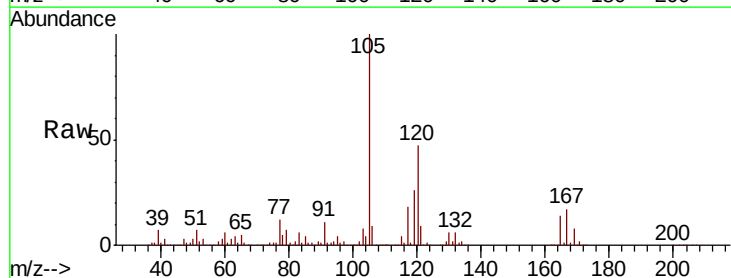
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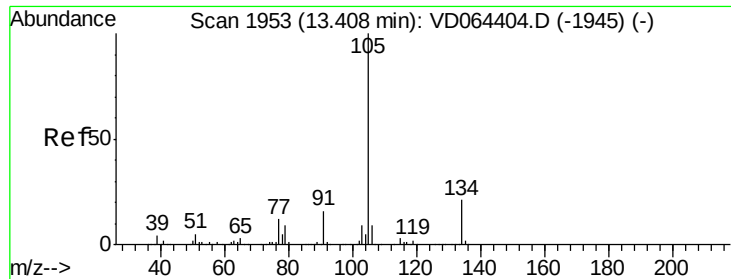
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#84
1,2,4-Trimethylbenzene
Concen: 98.013 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.6	70.8





#85

sec-Butylbenzene

Concen: 96.518 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2173181

Ion Ratio Lower Upper

105 100

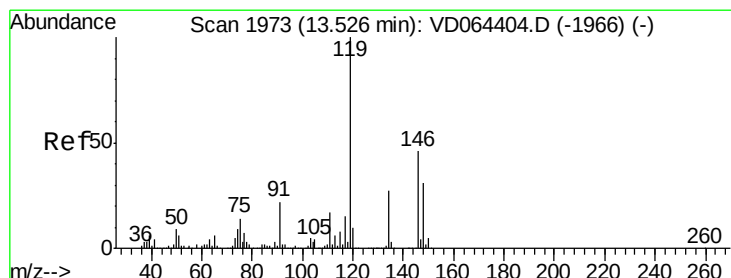
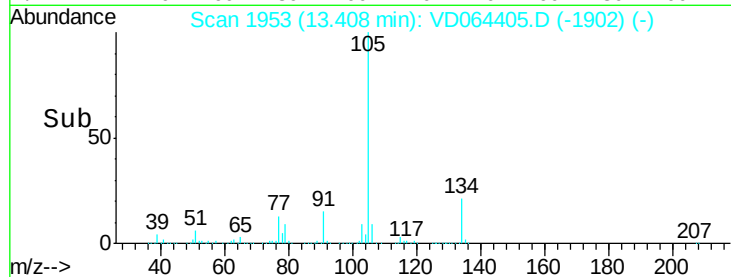
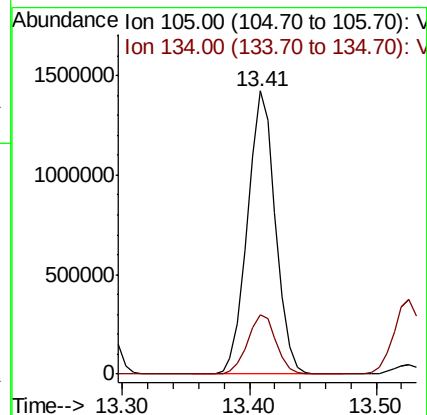
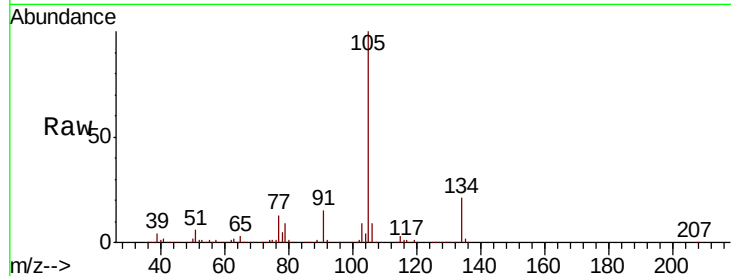
134 21.4 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 98.639 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

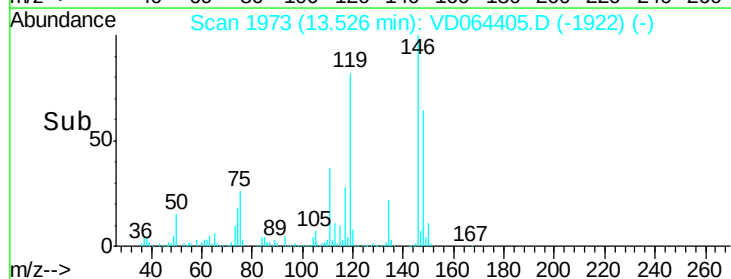
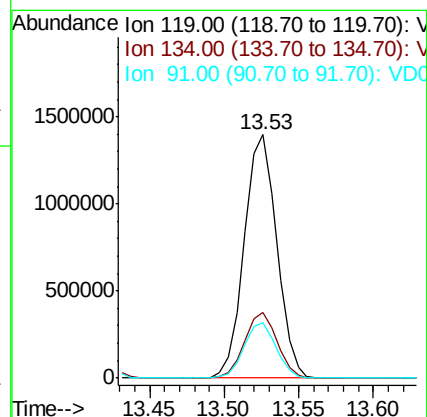
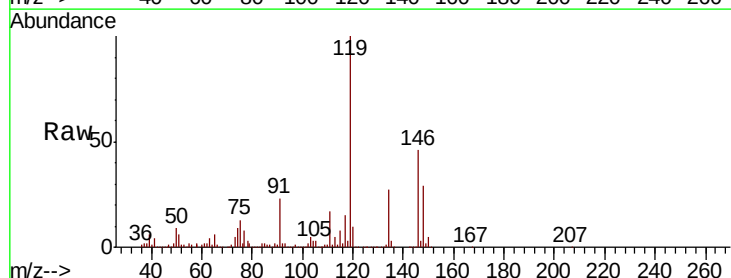
Tgt Ion:119 Resp: 2109774

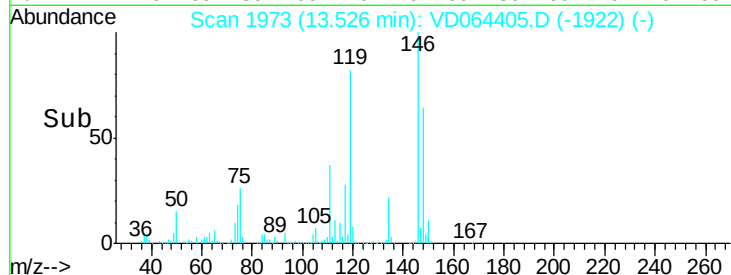
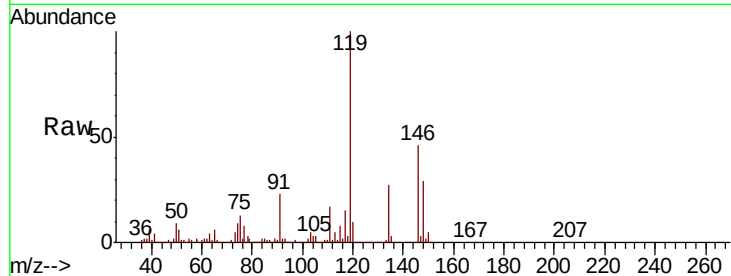
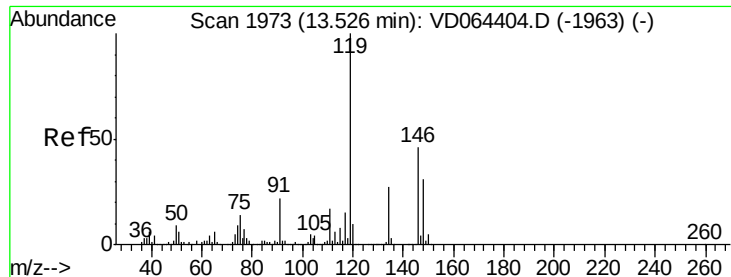
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.4 11.2 33.5





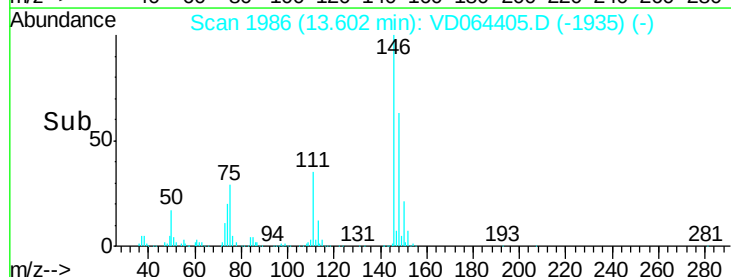
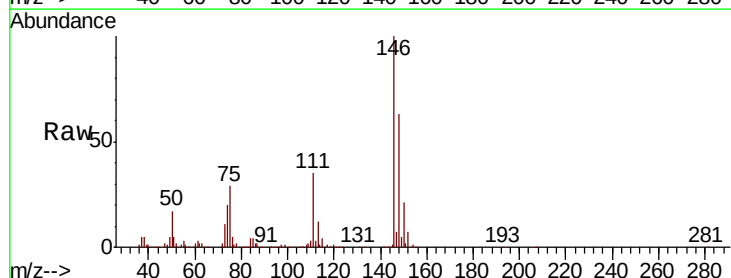
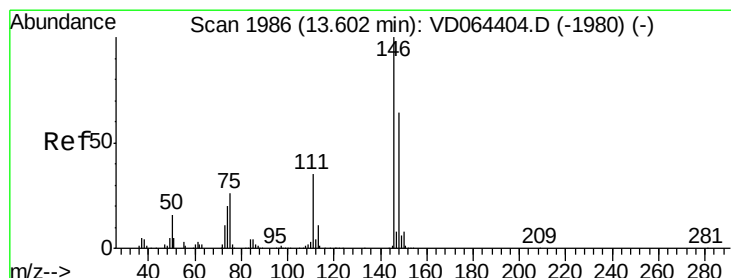
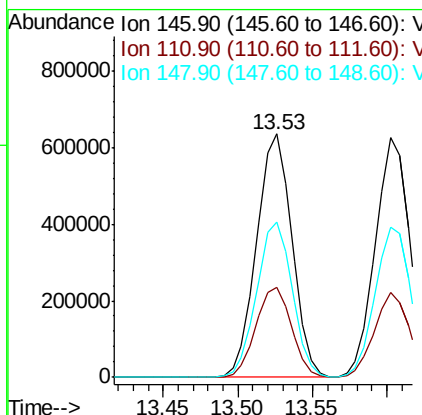
#87
 1,3-Dichlorobenzene
 Concen: 99.494 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Tot Ion:146 Resp: 1045450
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.8 56.4
 148 64.0 32.6 97.8

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

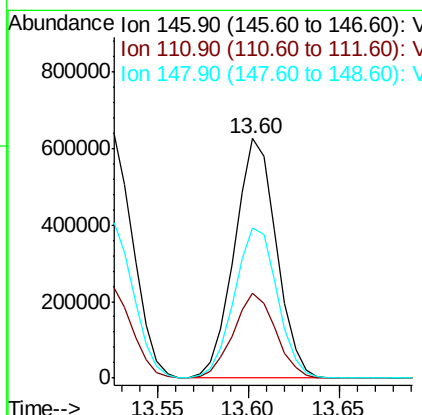
Manual Integrations
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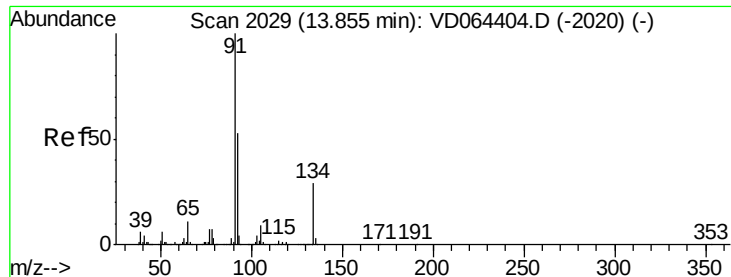
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#88
 1,4-Dichlorobenzene
 Concen: 98.224 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Tgt Ion:146 Resp: 1004328
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.2 54.6
 148 64.4 31.8 95.4





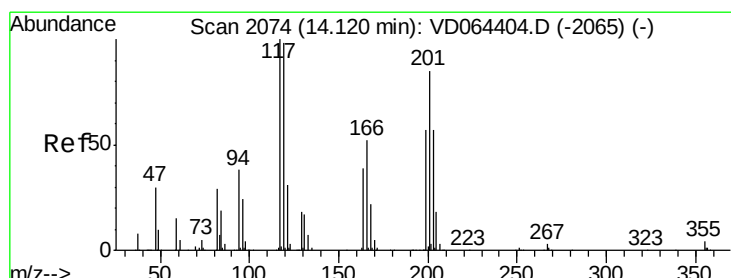
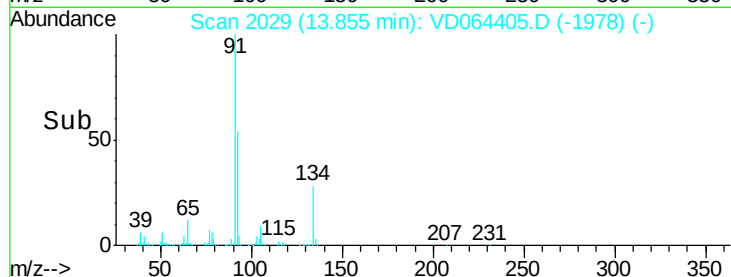
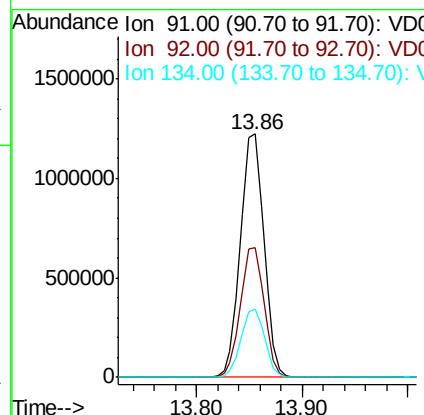
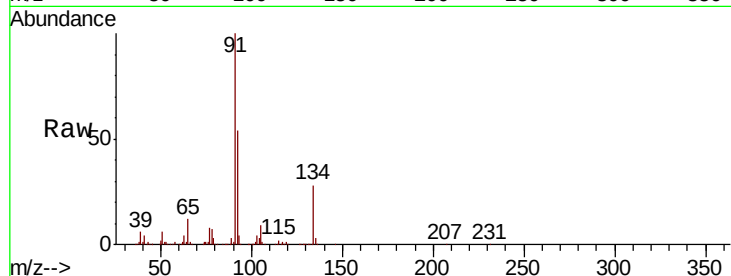
#89
n-Butylbenzene
Concen: 97.259 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.5	79.4
134	28.1	13.9	41.7

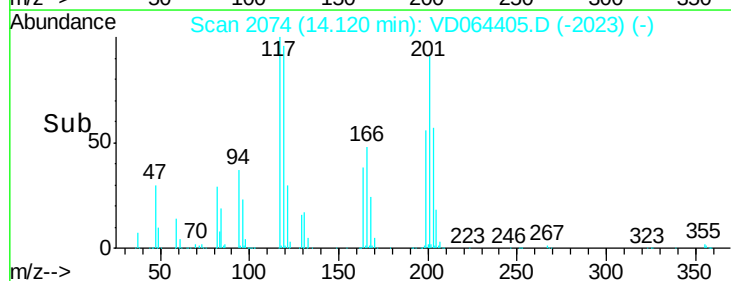
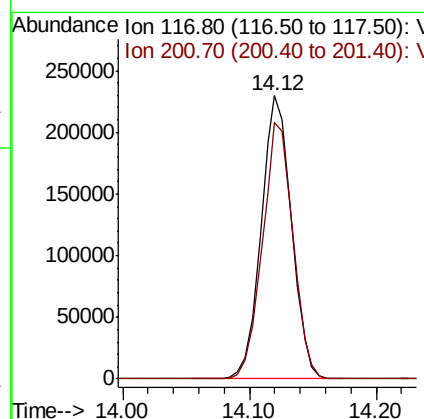
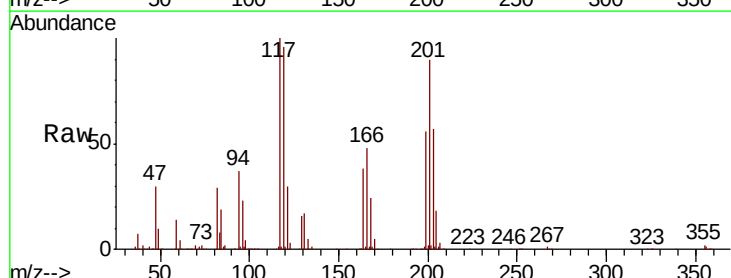
Manual Integrations
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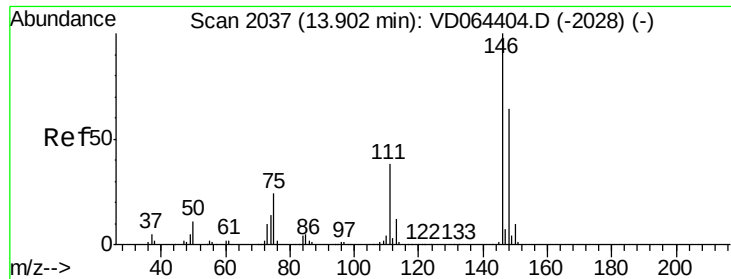
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#90
Hexachloroethane
Concen: 96.494 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.1	44.3	132.8





#91

1,2-Dichlorobenzene

Concen: 97.758 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

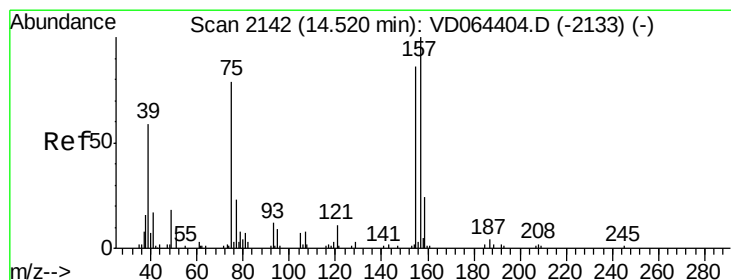
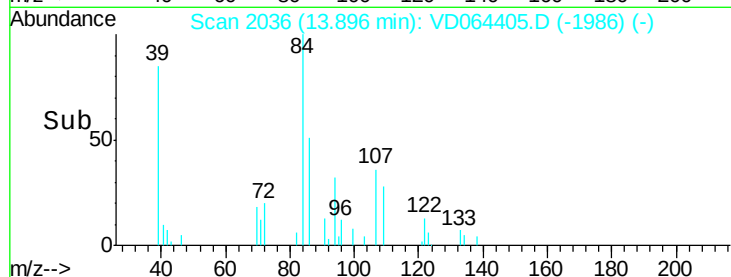
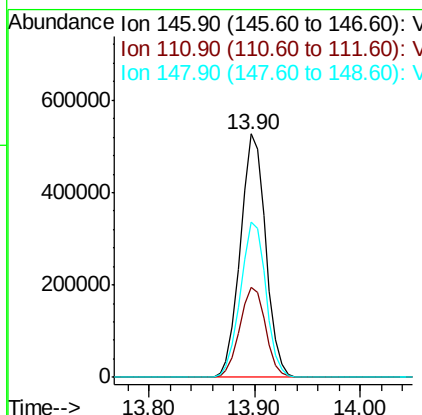
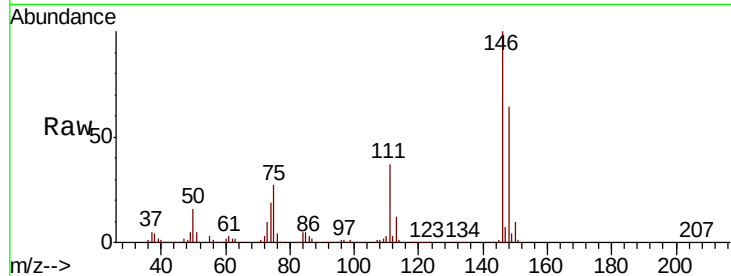
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	871702
Ion Ratio	Lower	Upper	
146	100		
111	37.8	19.1	57.3
148	64.2	32.0	96.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 86.223 ug/l

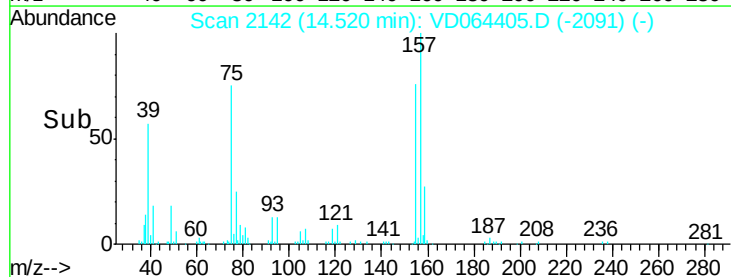
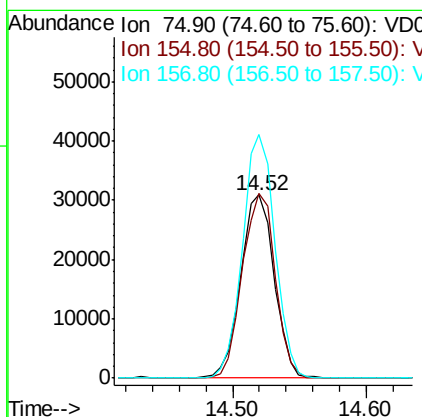
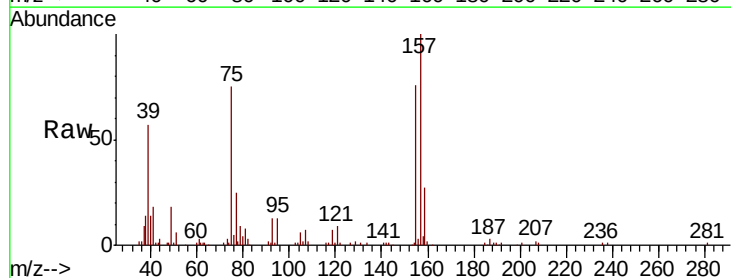
RT: 14.52 min Scan# 2142

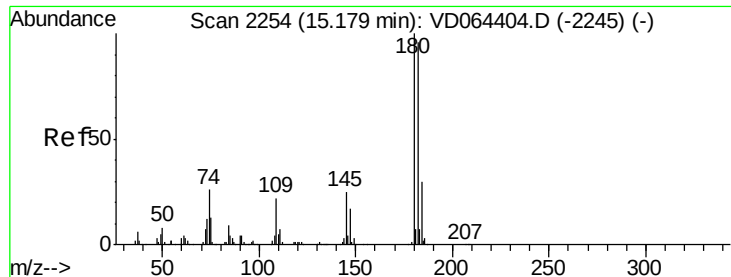
Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Tgt Ion:	75	Resp:	53766
Ion Ratio	Lower	Upper	
75	100		
155	98.2	51.9	155.7
157	128.0	63.2	189.8





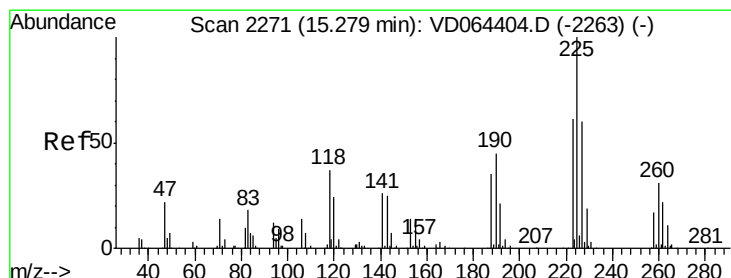
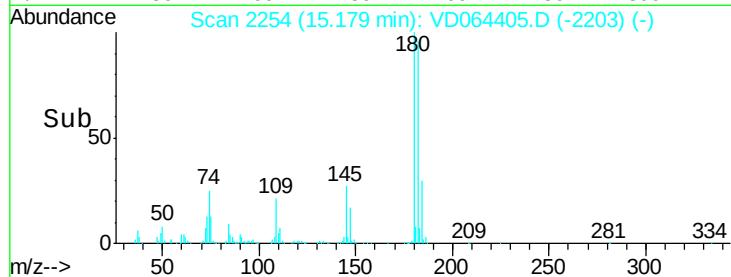
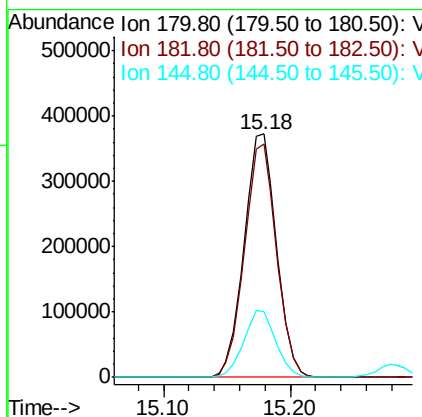
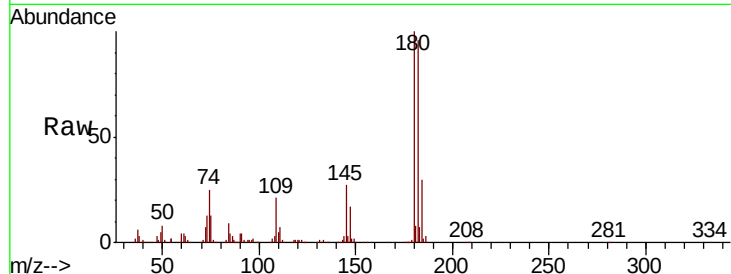
#93
 1,2,4-Trichlorobenzene
 Concen: 96.355 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	659366		
182	95.1		47.4	142.3
145	27.3		14.0	41.9

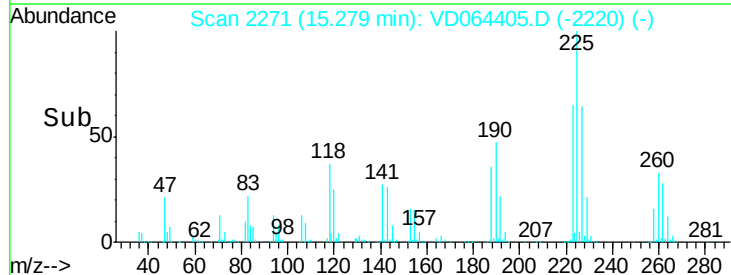
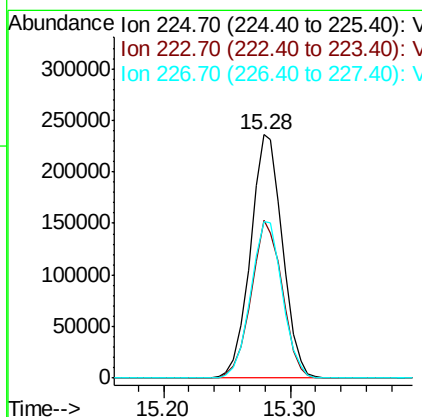
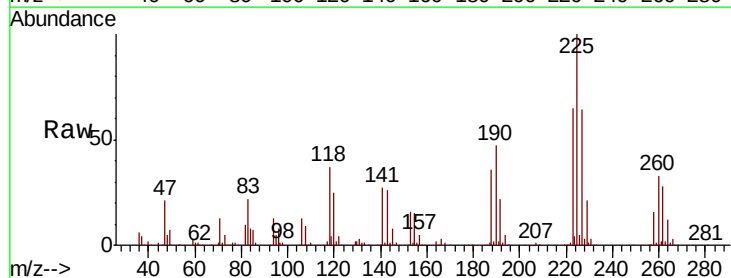
Manual Integrations
 APPROVED

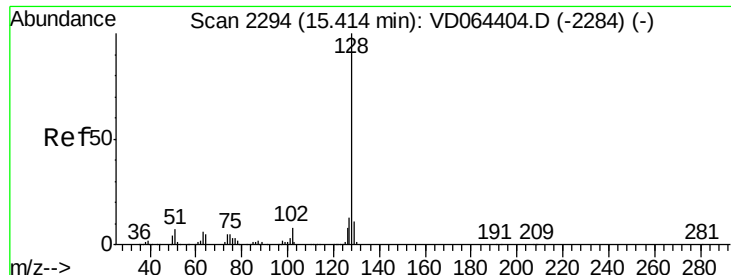
apatel
 12/2/2019 10:56:44 AM



#94
 Hexachlorobutadiene
 Concen: 93.976 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	413815		
223	62.8		31.1	93.3
227	64.1		31.8	95.4





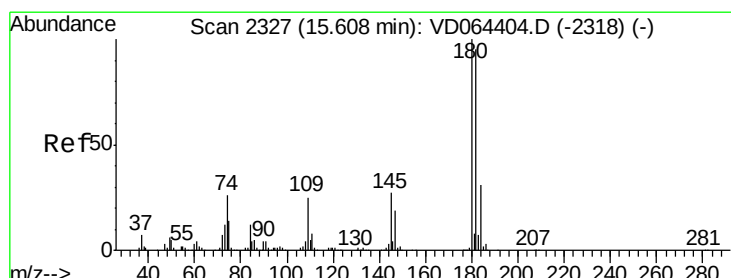
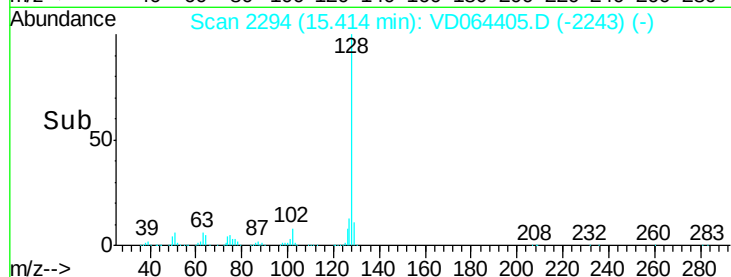
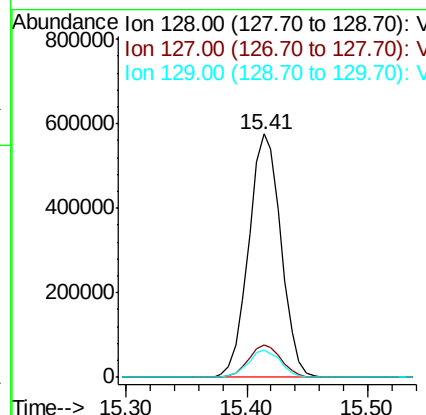
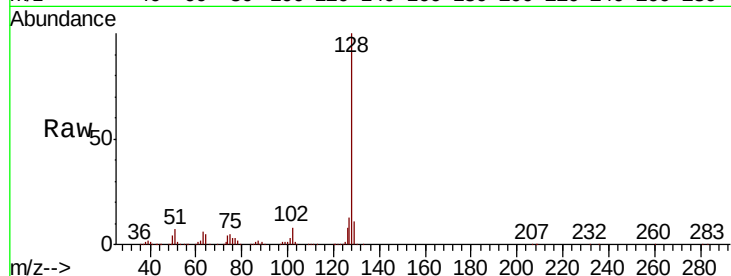
#95
Naphthalene
Concen: 95.055 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.2	8.8	13.2

Manual Integrations
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apatel
12/2/2019 10:56:44 AM



#96
1,2,3-Trichlorobenzene
Concen: 94.754 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.6	142.9
145	30.0	14.6	43.8

