

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
 Data File : VD064336.D
 Acq On : 21 Nov 2019 20:47
 Operator : VA/SY
 Sample : K5972-04
 Misc : 6.57G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 00:44:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	910676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1317361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1156780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	516106	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	375405	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	
35) Dibromofluoromethane	7.92	113	395811	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
50) Toluene-d8	10.34	98	1540917	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	
62) 4-Bromofluorobenzene	12.64	95	475963	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	

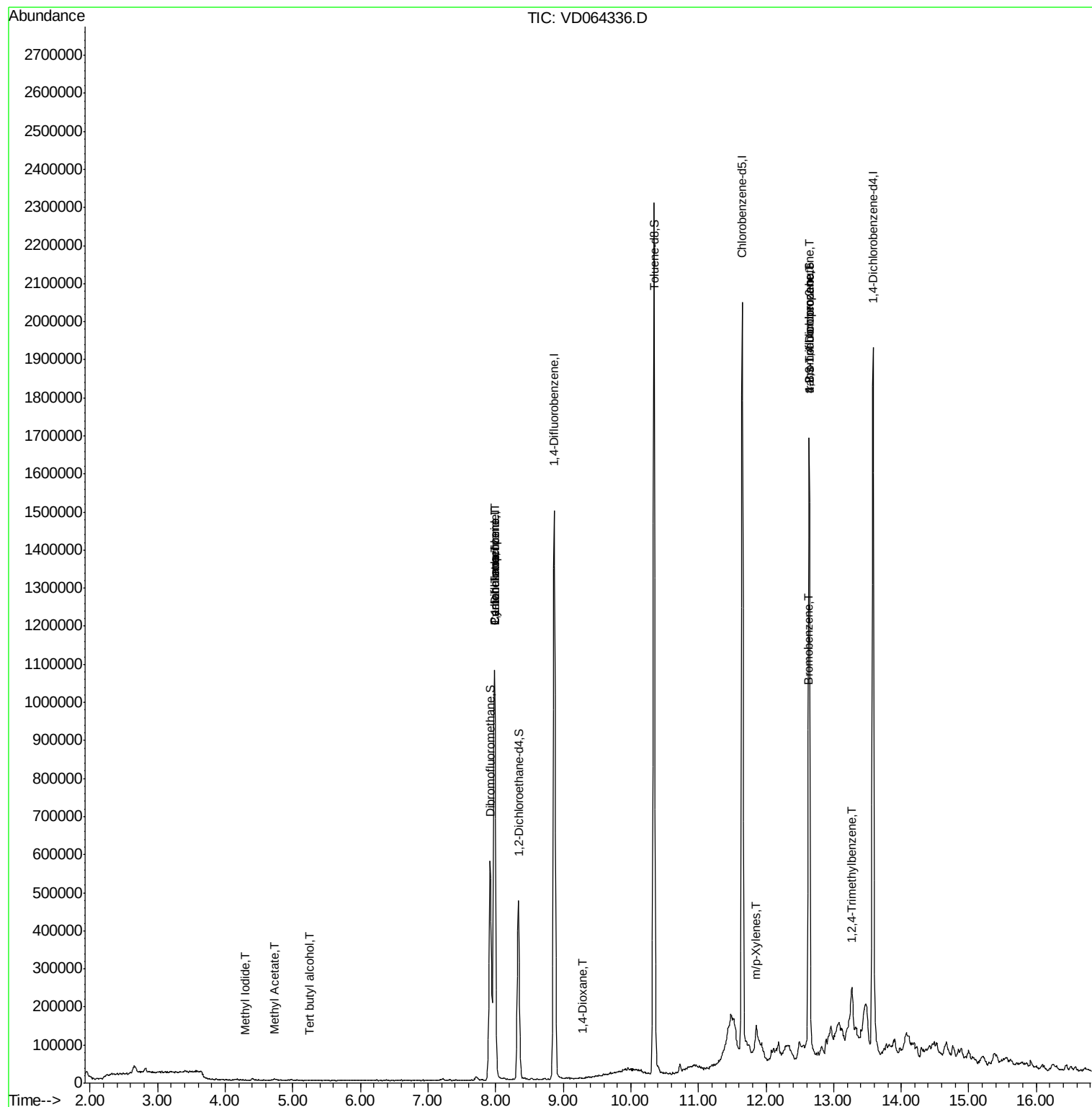
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	652	2.100	ug/l #	58
11) Tert butyl alcohol	5.25	59	805	1.539	ug/l #	85
18) Methyl Acetate	4.73	43	8844	1.785	ug/l	92
31) Cyclohexane	7.98	56	17109	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	58727	4.830	ug/l #	50
38) Carbon Tetrachloride	7.98	117	82404	6.334	ug/l #	15
49) 1,4-Dioxane	9.28	88	63	1.212	ug/l #	1
68) m/p-Xylenes	11.86	106	16630	1.020	ug/l	94
76) 1,2,3-Trichloropropane	12.64	75	247811	59.612	ug/l #	100
77) Bromobenzene	12.62	156	10799	1.173	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	247811	118.412	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.27	105	46701	1.520	ug/l	99

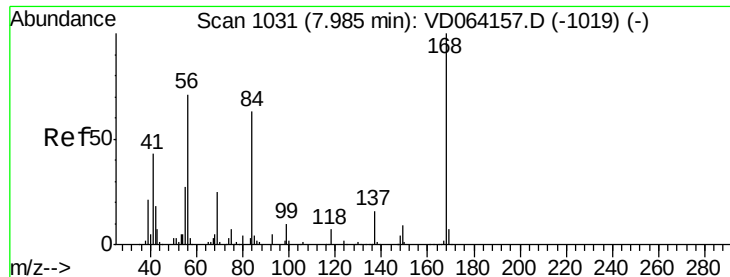
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112119\
Data File : VD064336.D
Acq On : 21 Nov 2019 20:47
Operator : VA/SY
Sample : K5972-04
Misc : 6.57G/5.00ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 22 00:44:43 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064336.D

Acq: 21 Nov 2019 20:47

Instrument :

MSVOA_D

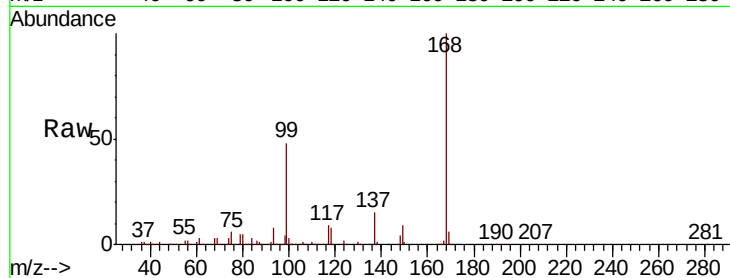
ClientSampleId :

Tot Ion:168 Resp: 910676

Ion Ratio Lower Upper

168 100

99 47.8 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

400000

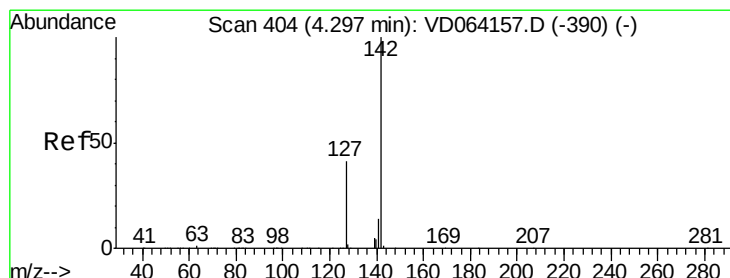
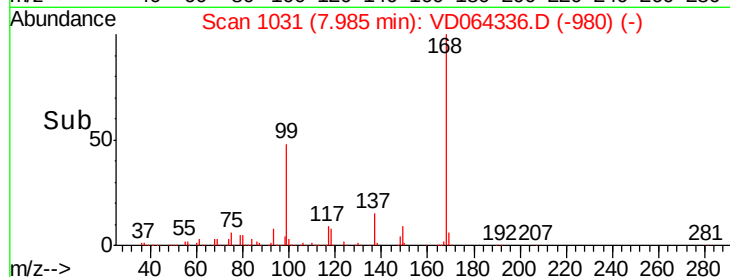
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.100 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064336.D

Acq: 21 Nov 2019 20:47

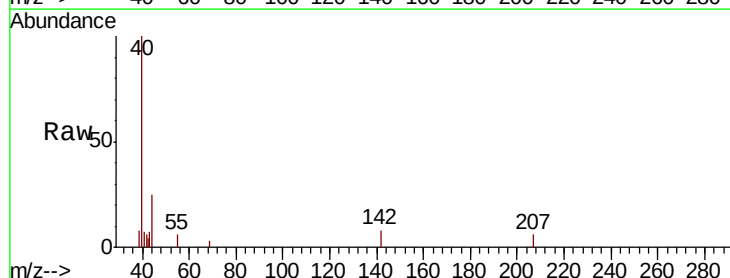
Tgt Ion:142 Resp: 652

Ion Ratio Lower Upper

142 100

127 14.3 34.4 51.6#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.30

500

400

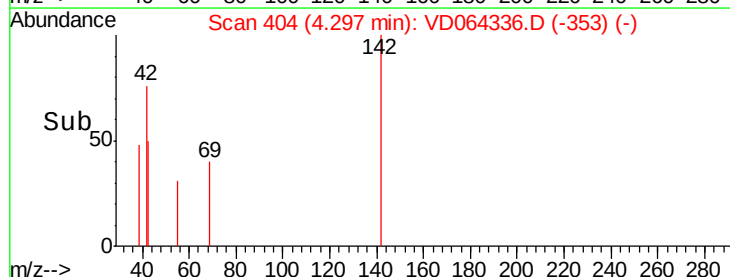
300

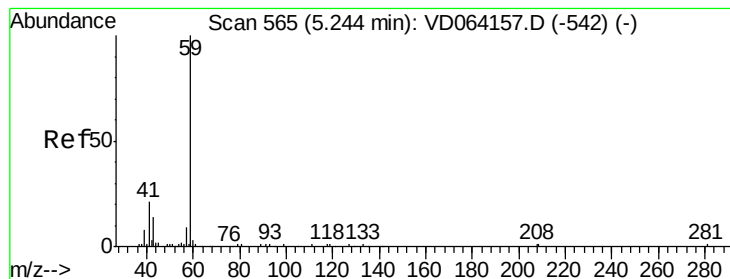
200

100

0

Time-->



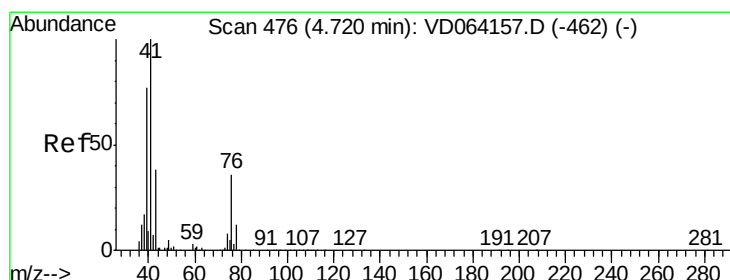
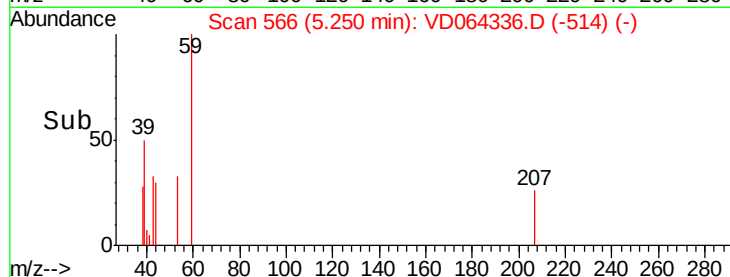
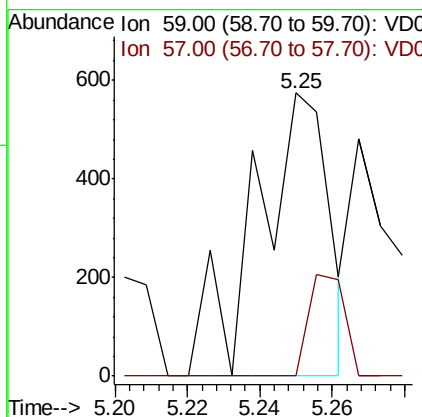
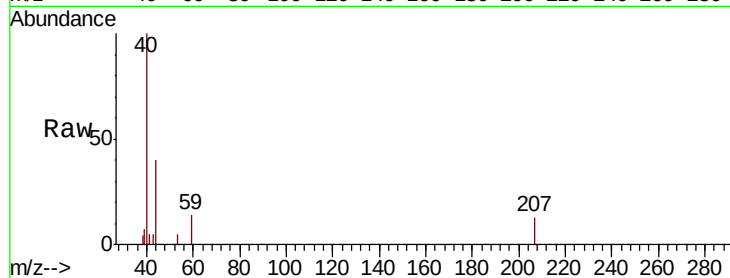


#11

Tert butyl alcohol
 Concen: 1.539 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064336.D
 Acq: 21 Nov 2019 20:47

Instrument :
 MSVOA_D
 ClientSampleId :

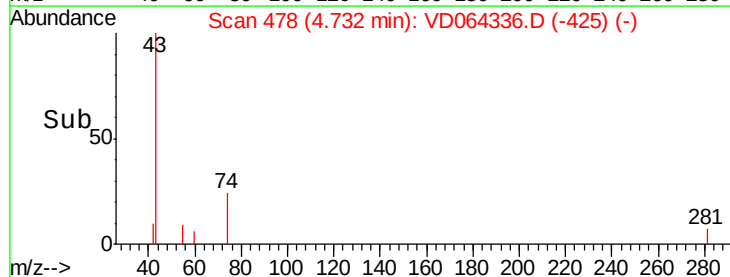
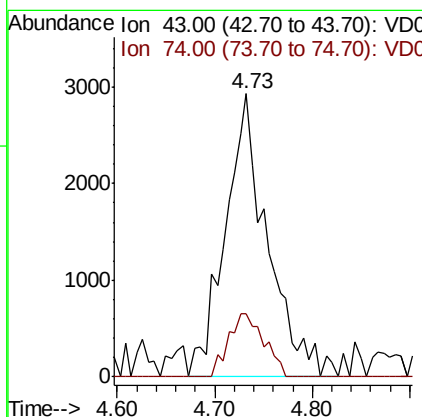
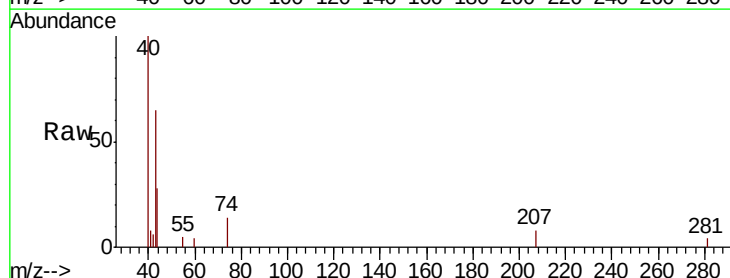
Tot Ion: 59 Resp: 805
 Ion Ratio Lower Upper
 59 100
 57 17.6 9.4 14.2#

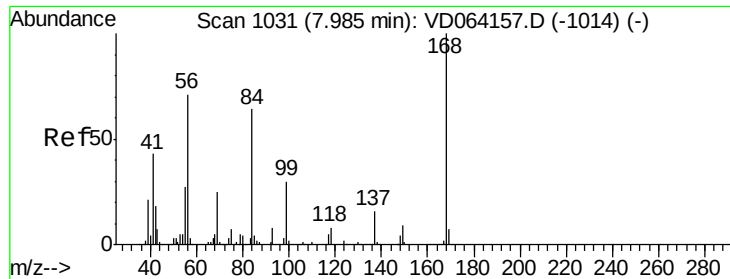


#18

Methyl Acetate
 Concen: 1.785 ug/l
 RT: 4.73 min Scan# 478
 Delta R.T. 0.01 min
 Lab File: VD064336.D
 Acq: 21 Nov 2019 20:47

Tgt Ion: 43 Resp: 8844
 Ion Ratio Lower Upper
 43 100
 74 18.9 18.4 27.6

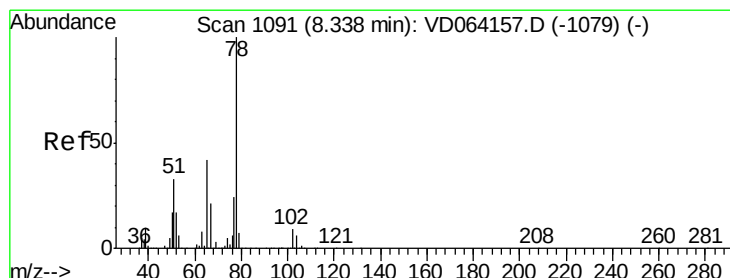
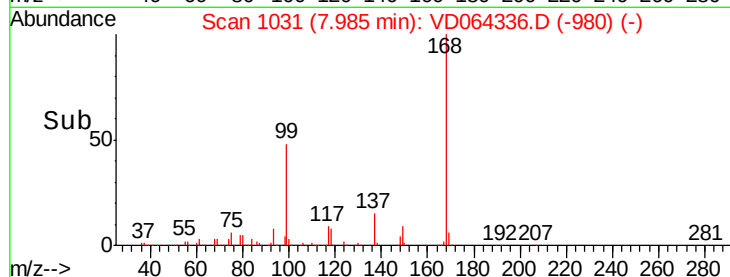
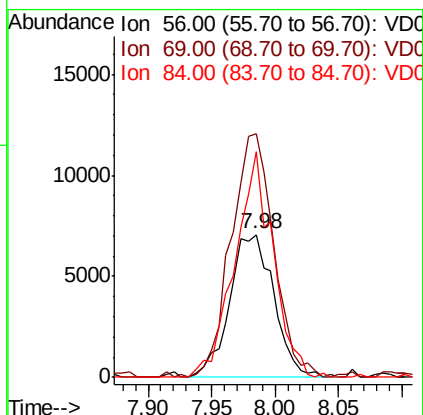
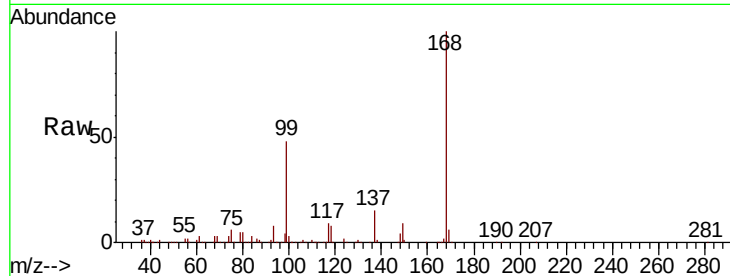




#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064336.D
Acq: 21 Nov 2019 20:47

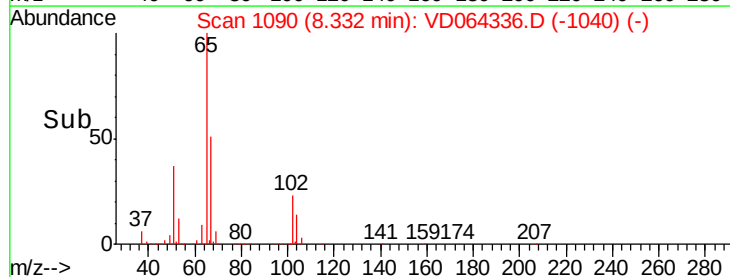
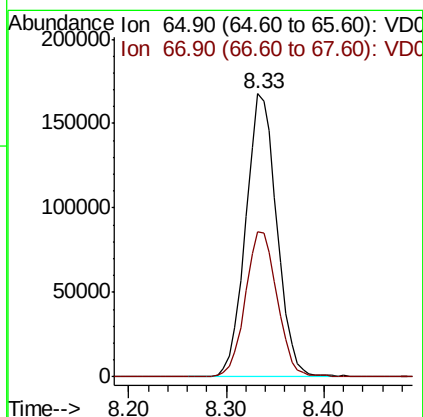
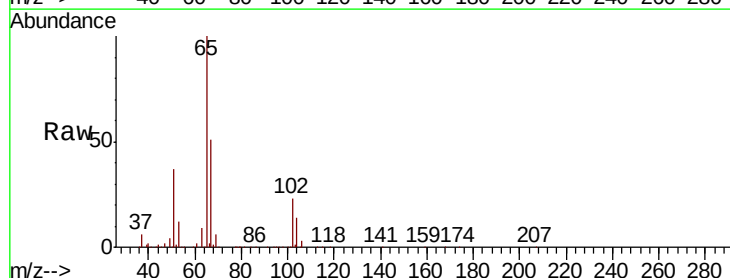
Instrument :
MSVOA_D
ClientSampled :

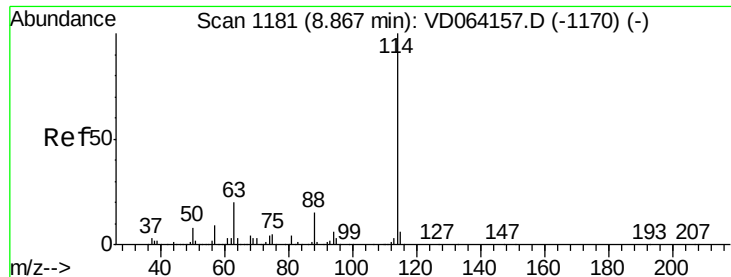
Tot Ion: 56 Resp: 17109
Ion Ratio Lower Upper
56 100
69 170.5 28.2 42.4#
84 157.9 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 50.122 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064336.D
Acq: 21 Nov 2019 20:47

Tgt Ion: 65 Resp: 375405
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064336.D

Acq: 21 Nov 2019 20:47

Instrument :

MSVOA_D

ClientSampleId :

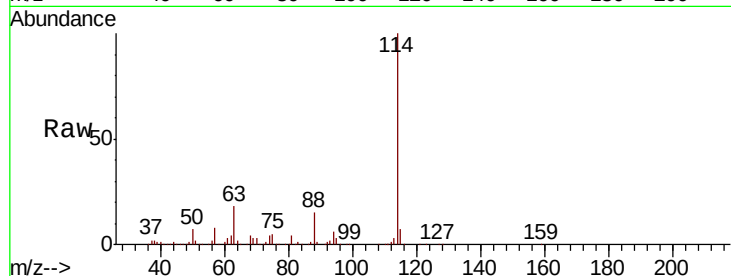
Tot Ion:114 Resp: 1317361

Ion Ratio Lower Upper

114 100

63 18.0 0.0 40.0

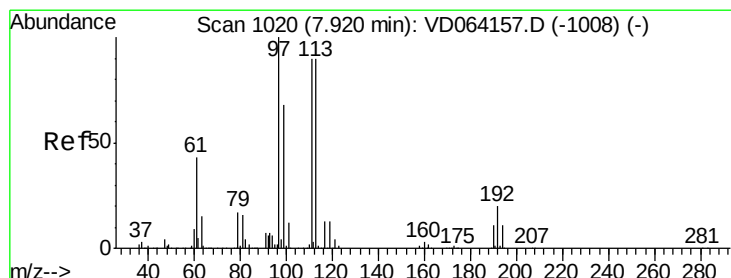
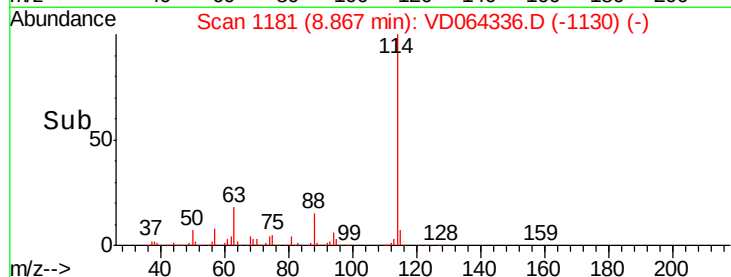
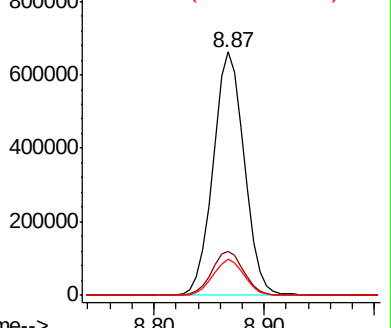
88 14.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 52.343 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064336.D

Acq: 21 Nov 2019 20:47

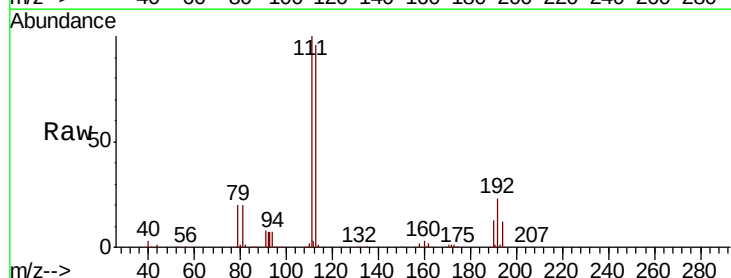
Tgt Ion:113 Resp: 395811

Ion Ratio Lower Upper

113 100

111 101.9 81.5 122.3

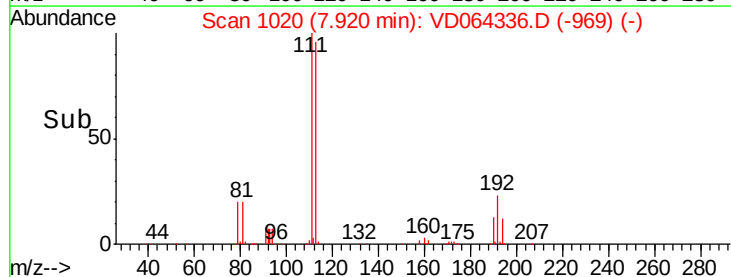
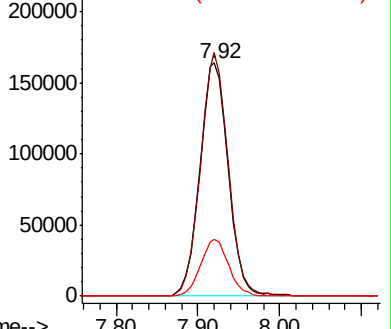
192 23.9 18.8 28.2

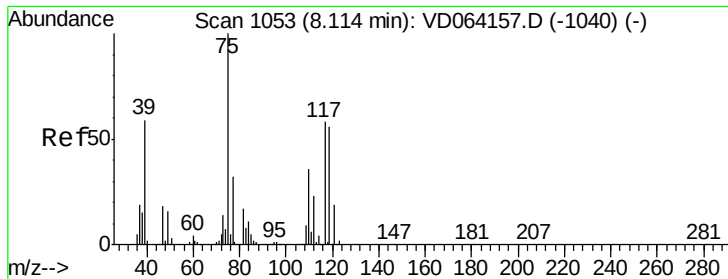


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.830 ug/l

RT: 7.98 min Scan# 1030

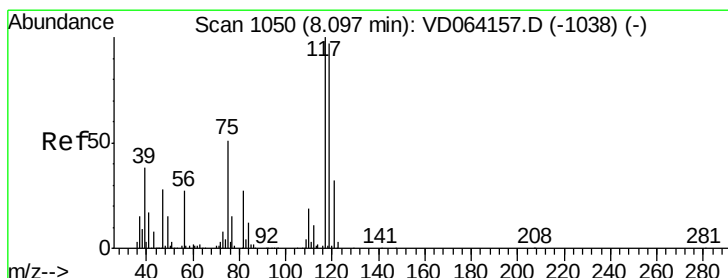
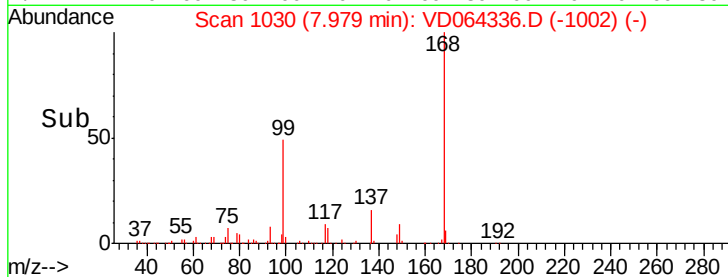
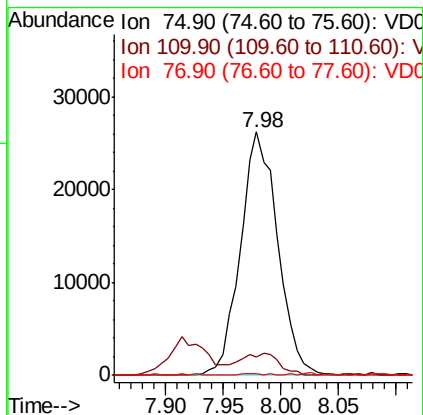
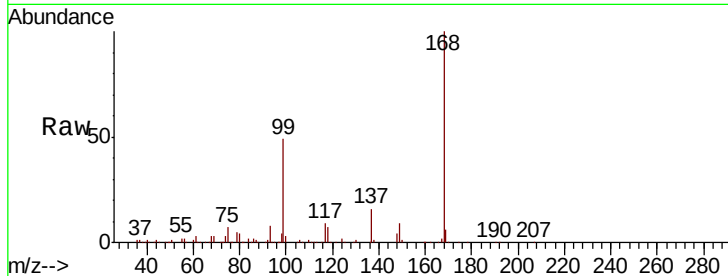
Delta R.T. -0.14 min

Lab File: VD064336.D

Acq: 21 Nov 2019 20:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.3	54.9#
77	0.5	25.0	37.6#



#38

Carbon Tetrachloride

Concen: 6.334 ug/l

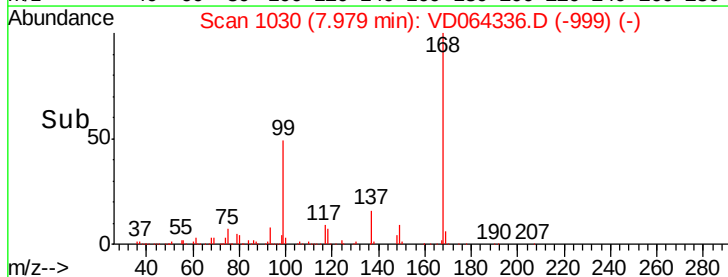
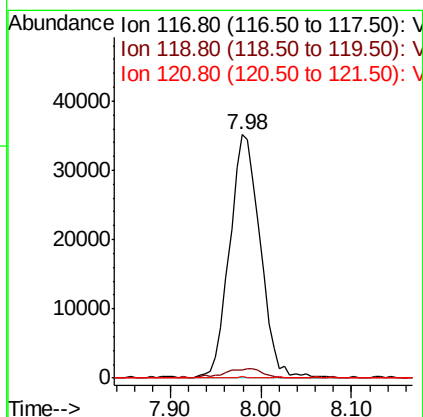
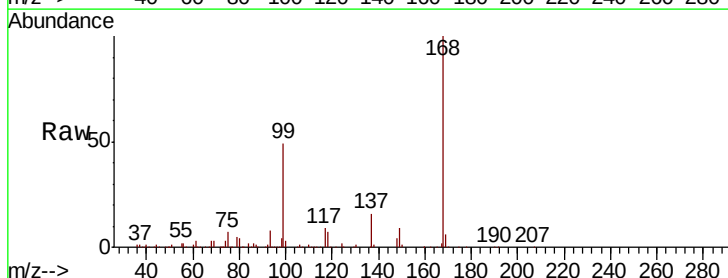
RT: 7.98 min Scan# 1030

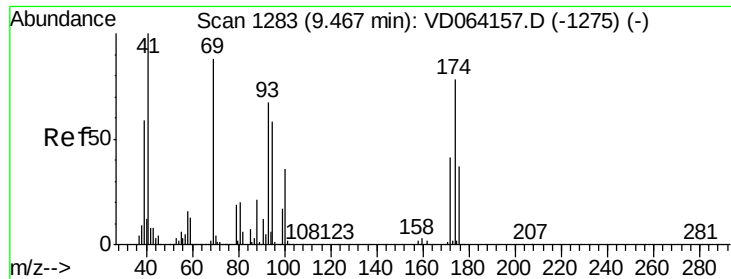
Delta R.T. -0.12 min

Lab File: VD064336.D

Acq: 21 Nov 2019 20:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.4	77.2	115.8#
121	0.6	25.5	38.3#





#49

1,4-Dioxane

Concen: 1.212 ug/l

RT: 9.28 min Scan# 1252

Delta R.T. -0.18 min

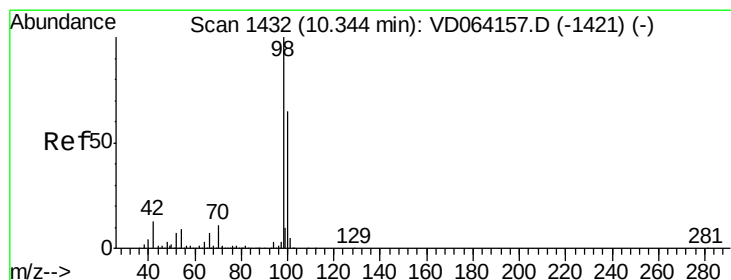
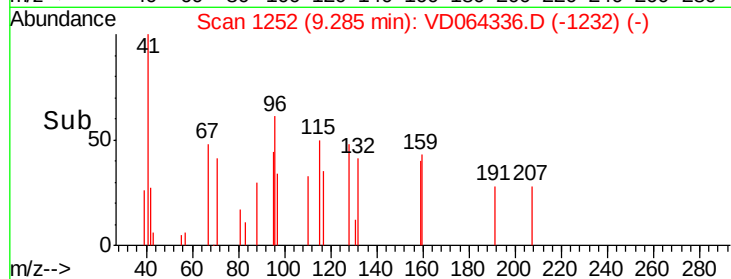
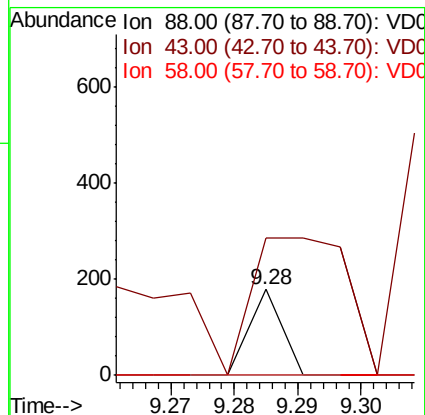
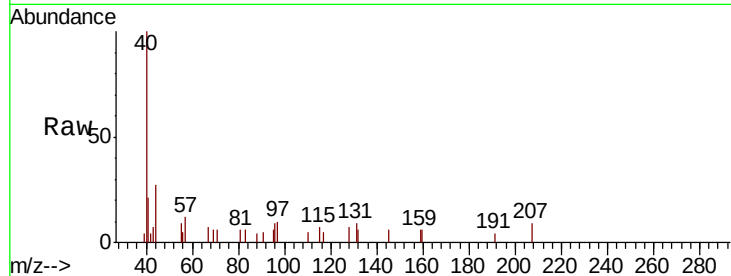
Lab File: VD064336.D

Acq: 21 Nov 2019 20:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 63

Ion	Ratio	Lower	Upper
88	100		
43	471.4	29.8	44.8#
58	0.0	58.1	87.1#



#50

Toluene-d8

Concen: 54.017 ug/l

RT: 10.34 min Scan# 1432

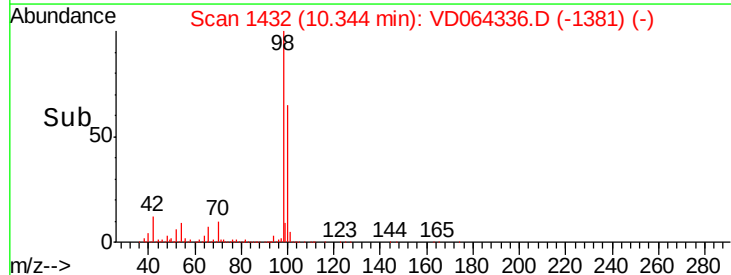
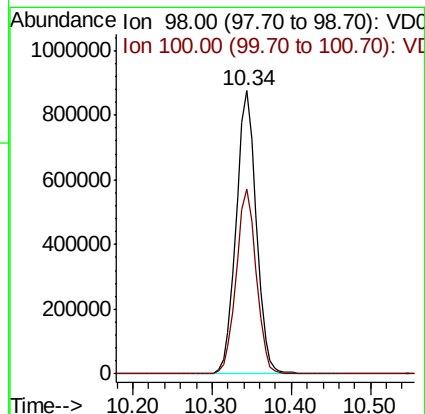
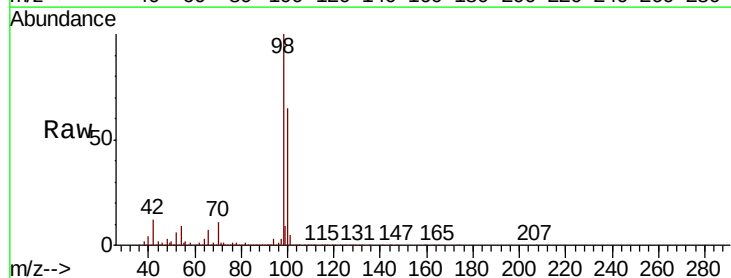
Delta R.T. -0.00 min

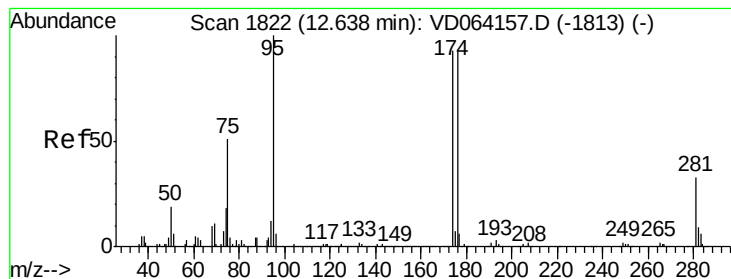
Lab File: VD064336.D

Acq: 21 Nov 2019 20:47

Tgt Ion: 98 Resp: 1540917

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.6	78.8





#62

4-Bromofluorobenzene

Concen: 48.180 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064336.D

Acq: 21 Nov 2019 20:47

Instrument :

MSVOA_D

ClientSampleId :

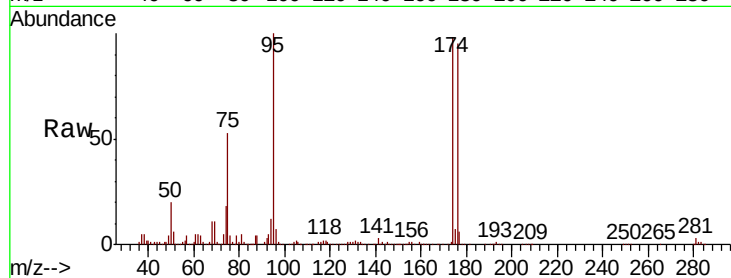
Tot Ion: 95 Resp: 475963

Ion Ratio Lower Upper

95 100

174 102.9 0.0 183.6

176 96.1 0.0 180.2



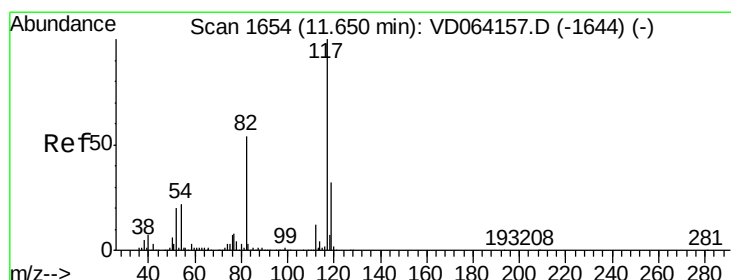
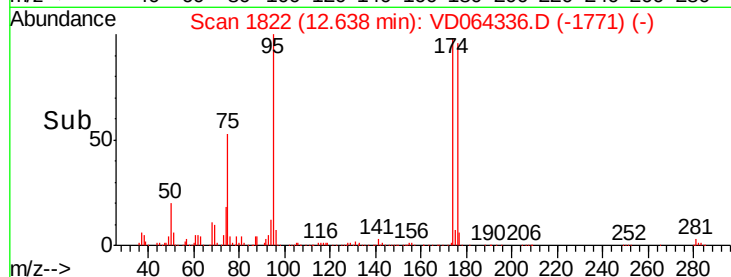
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD064336.D

Acq: 21 Nov 2019 20:47

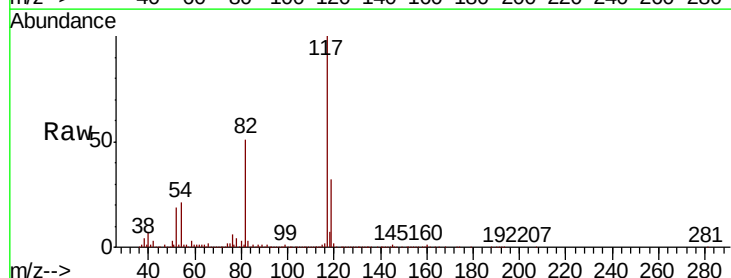
Tgt Ion: 117 Resp: 1156780

Ion Ratio Lower Upper

117 100

82 51.2 42.8 64.2

119 32.4 25.6 38.4



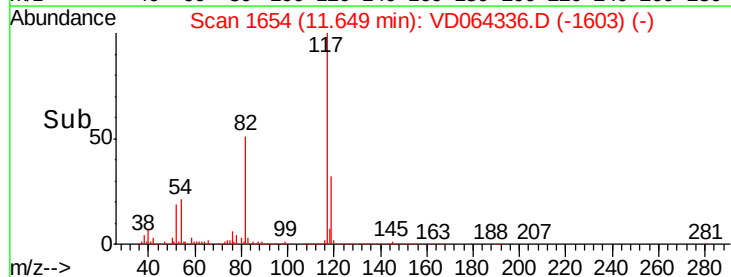
Abundance Ion 116.90 (116.60 to 117.60): V

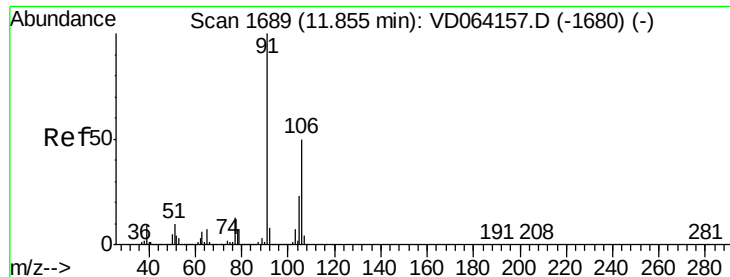
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.65

Time-->

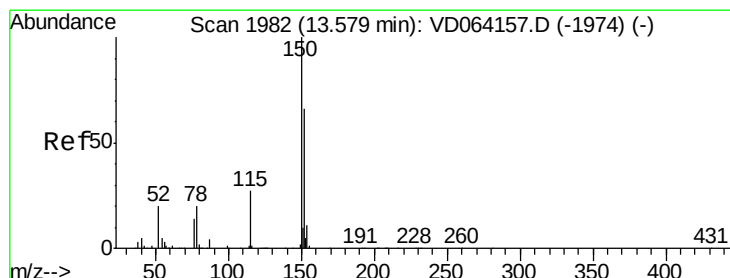
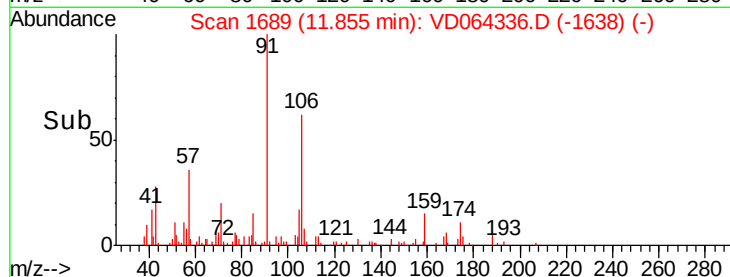
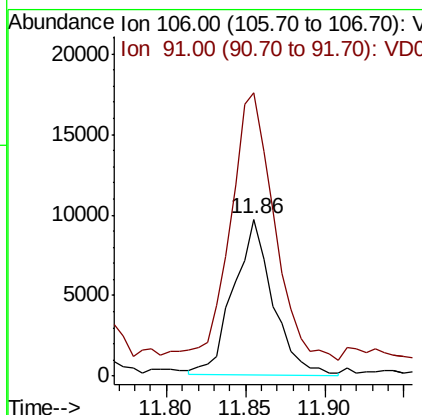
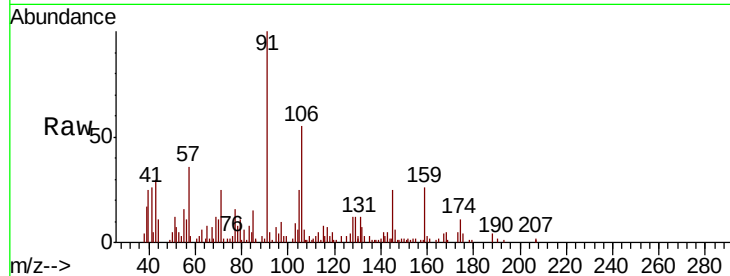




#68
m/p-Xylenes
Concen: 1.020 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064336.D
Acq: 21 Nov 2019 20:47

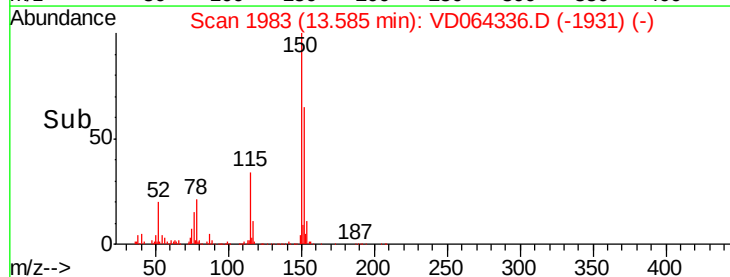
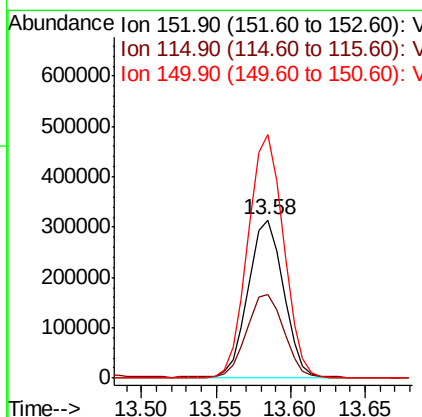
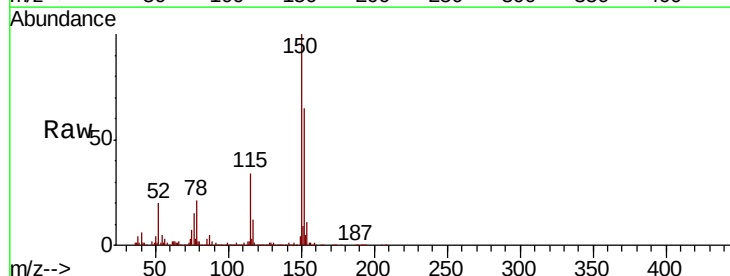
Instrument :
MSVOA_D
ClientSampled :

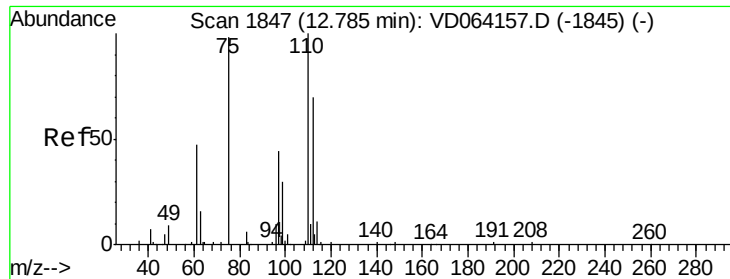
Tot Ion:106 Resp: 16630
Ion Ratio Lower Upper
106 100
91 190.7 160.3 240.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064336.D
Acq: 21 Nov 2019 20:47

Tgt Ion:152 Resp: 516106
Ion Ratio Lower Upper
152 100
115 55.6 27.4 82.2
150 155.3 0.0 351.6

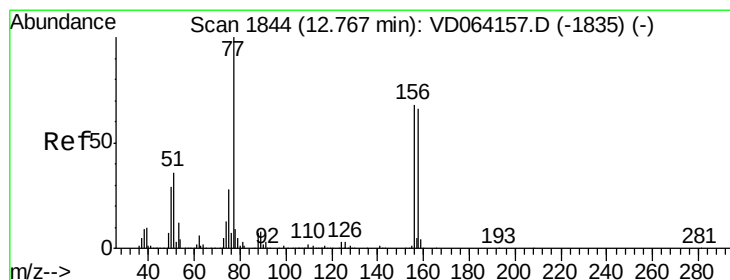
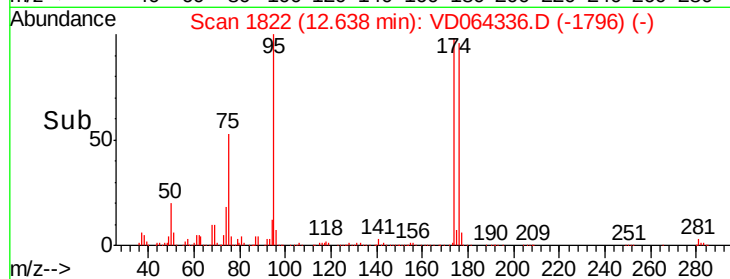
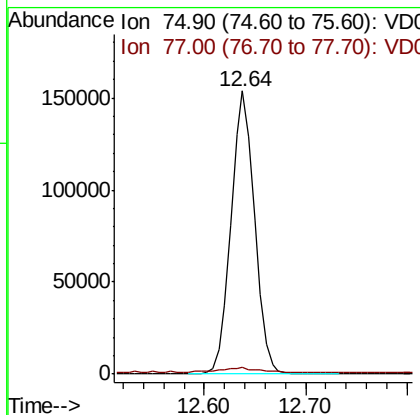
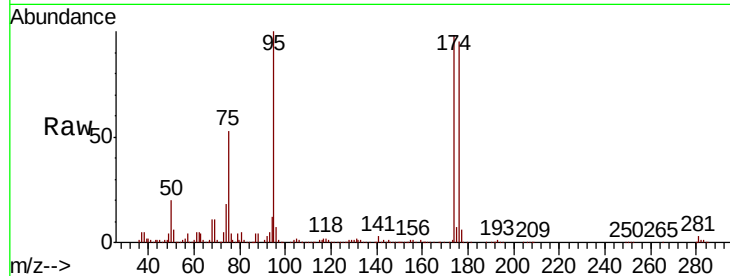




#76
 1,2,3-Trichloropropane
 Concen: 59.612 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064336.D
 Acq: 21 Nov 2019 20:47

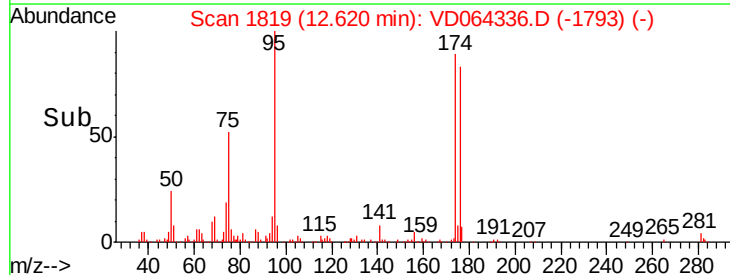
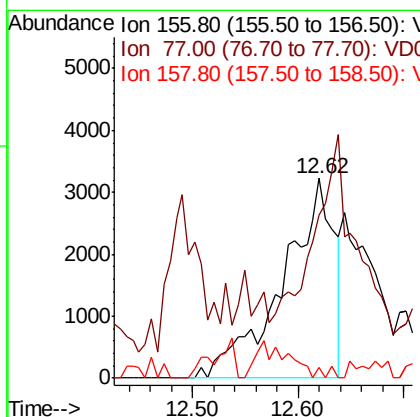
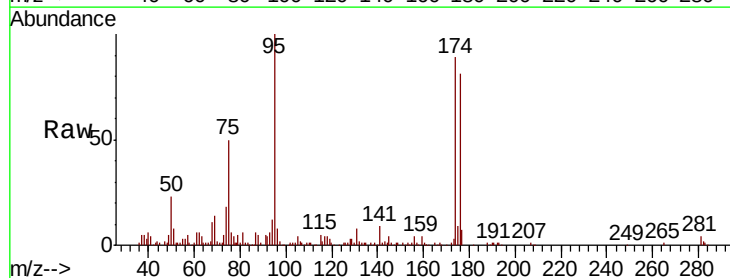
Instrument :
 MSVOA_D
 ClientSampleId :

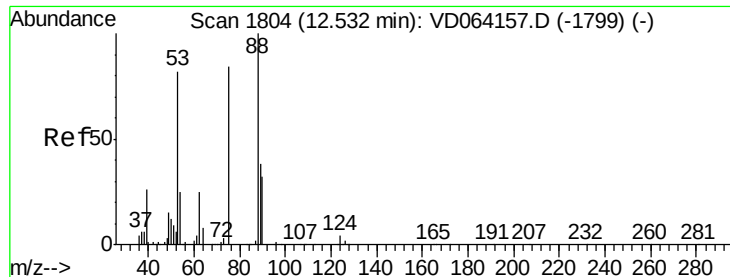
Tot Ion: 75 Resp: 247811
 Ion Ratio Lower Upper
 75 100
 77 3.4 0.0 0.0#



#77
 Bromobenzene
 Concen: 1.173 ug/l
 RT: 12.62 min Scan# 1819
 Delta R.T. -0.15 min
 Lab File: VD064336.D
 Acq: 21 Nov 2019 20:47

Tgt Ion: 156 Resp: 10799
 Ion Ratio Lower Upper
 156 100
 77 0.0 81.2 243.4#
 158 0.0 48.4 145.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 118.412 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064336.D

Acq: 21 Nov 2019 20:47

Instrument :

MSVOA_D

ClientSampleId :

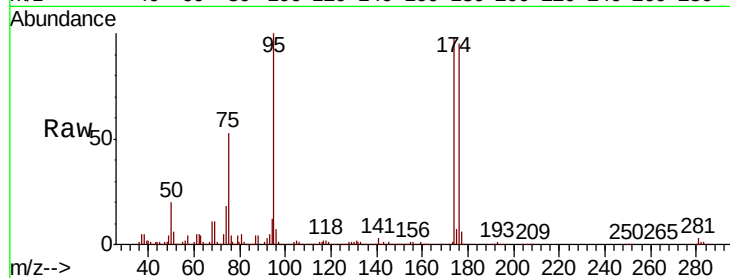
Tot Ion: 75 Resp: 247811

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

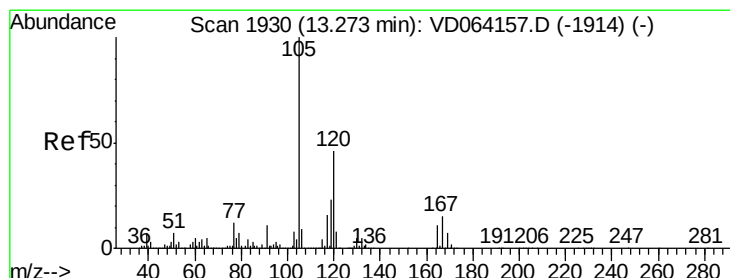
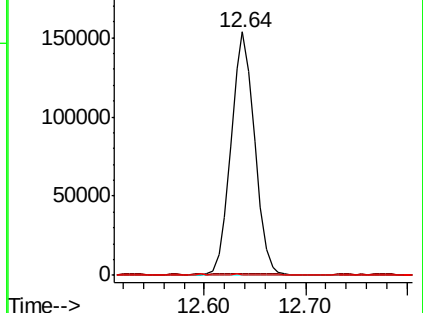
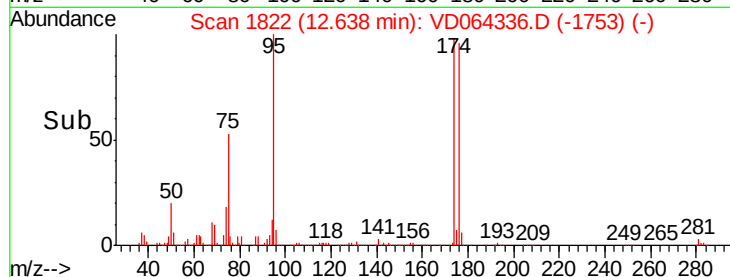
89 0.1 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#84

1,2,4-Trimethylbenzene

Concen: 1.520 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD064336.D

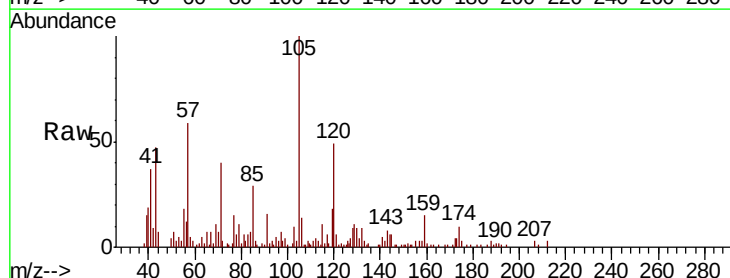
Acq: 21 Nov 2019 20:47

Tgt Ion: 105 Resp: 46701

Ion Ratio Lower Upper

105 100

120 45.5 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

