

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066564.D
 Acq On : 04 Sep 2020 15:45
 Operator : VA/SY
 Sample : L3876-07
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1458-62

Quant Time: Sep 05 03:47:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	417056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	752412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	689992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313838	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	262233	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
35) Dibromofluoromethane	7.91	113	251980	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
50) Toluene-d8	10.34	98	932743	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.63	95	323377	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	

Target Compounds

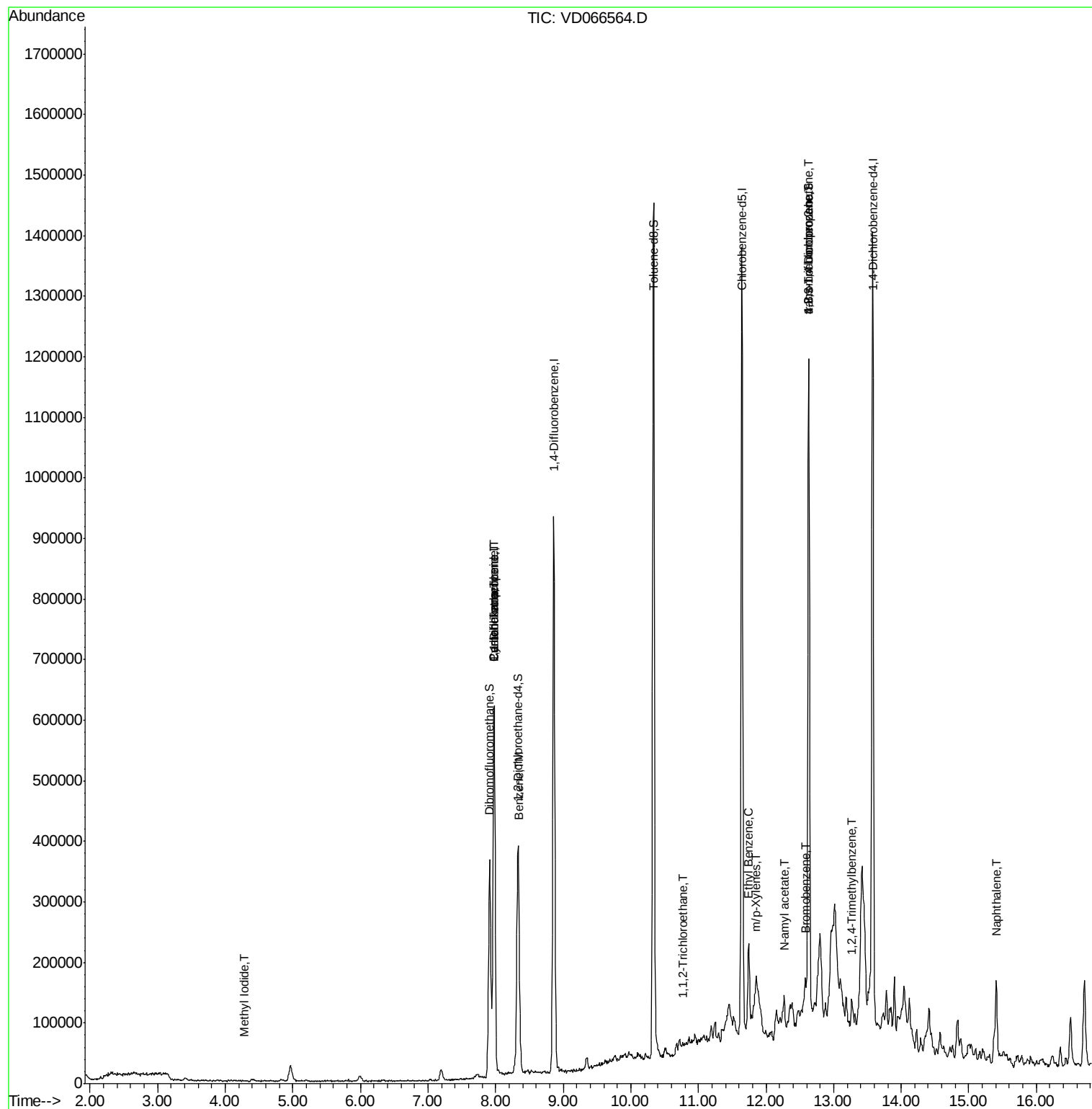
						Qvalue
2) Dichlorodifluoromethane	1.99	85	556	Below Cal	#	50
5) Bromomethane	2.75	94	189	Below Cal	#	73
10) Methyl Iodide	4.28	142	219	4.070 ug/l	#	35
11) Tert butyl alcohol	5.21	59	459	Below Cal	#	74
20) Methylene Chloride	4.97	84	17867	Below Cal	#	83
31) Cyclohexane	7.97	56	13961	1.696 ug/l	#	41
36) 1,1-Dichloropropene	7.98	75	38631	4.934 ug/l	#	49
38) Carbon Tetrachloride	7.98	117	48481	5.858 ug/l	#	17
40) Benzene	8.34	78	115197	5.372 ug/l	#	98
55) 1,1,2-Trichloroethane	10.77	97	4367	1.141 ug/l	#	25
67) Ethyl Benzene	11.74	91	100217	3.833 ug/l	#	100
68) m/p-Xylenes	11.86	106	16037	1.652 ug/l	#	95
74) N-amyl acetate	12.27	43	11948	2.270 ug/l	#	50
76) 1,2,3-Trichloropropane	12.63	75	183256	60.715 ug/l	#	100
77) Bromobenzene	12.58	156	22943	4.429 ug/l	#	1
81) trans-1,4-Dichloro-2-buten	12.63	75	183256	141.749 ug/l	#	7
84) 1,2,4-Trimethylbenzene	13.27	105	30650	1.574 ug/l	#	100
95) Naphthalene	15.40	128	118429	12.562 ug/l	#	98

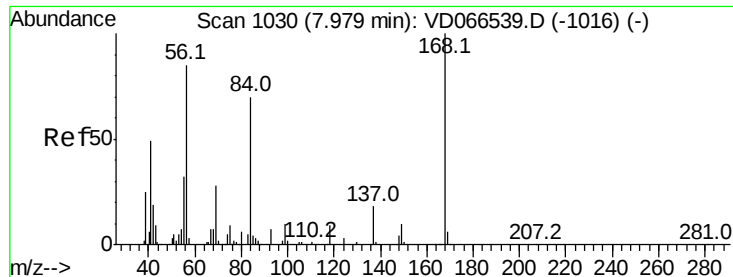
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090420\
Data File : VD066564.D
Acq On : 04 Sep 2020 15:45
Operator : VA/SY
Sample : L3876-07
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
1458-62

Quant Time: Sep 05 03:47:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066564.D

Acq: 04 Sep 2020 15:45

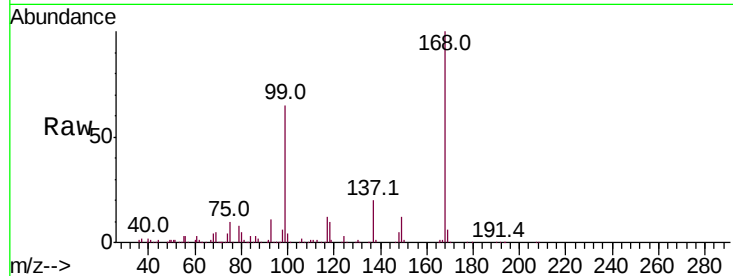
Instrument :
MSVOA_D
ClientSampleId :
1458-62

Tot Ion:168 Resp: 417056

Ion Ratio Lower Upper

168 100

99 64.6 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

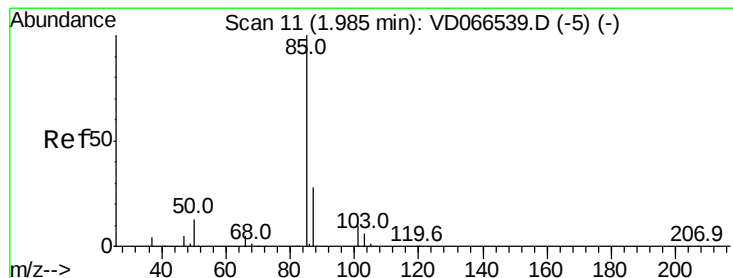
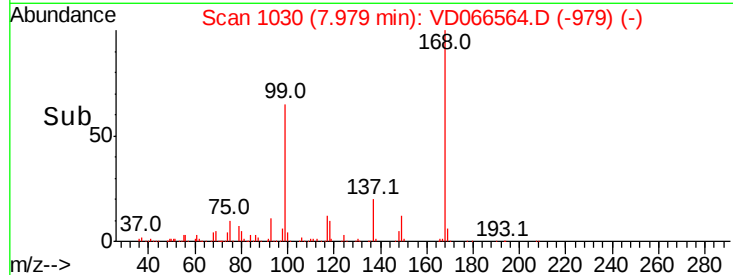
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066564.D

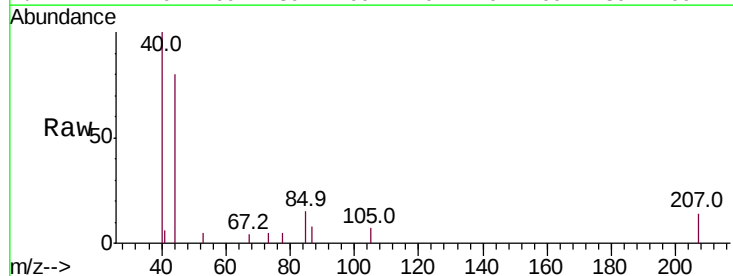
Acq: 04 Sep 2020 15:45

Tgt Ion: 85 Resp: 556

Ion Ratio Lower Upper

85 100

87 55.0 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

600

500

400

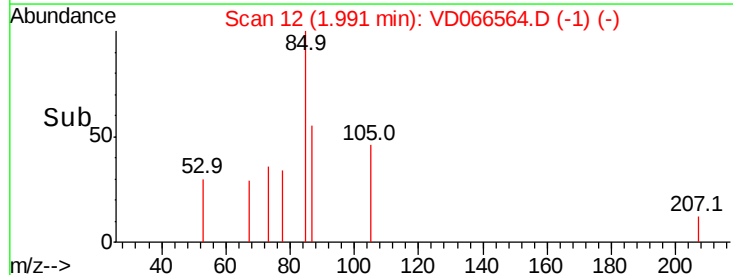
300

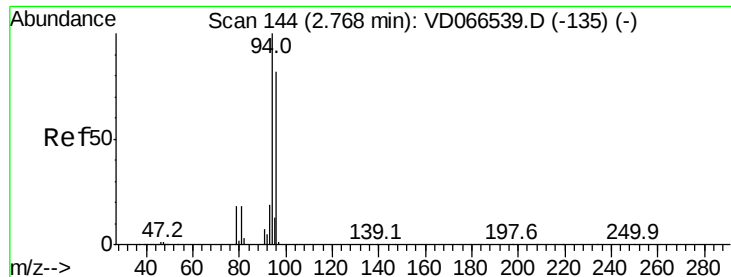
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD066564.D

Acq: 04 Sep 2020 15:45

Instrument :

MSVOA_D

ClientSampleId :

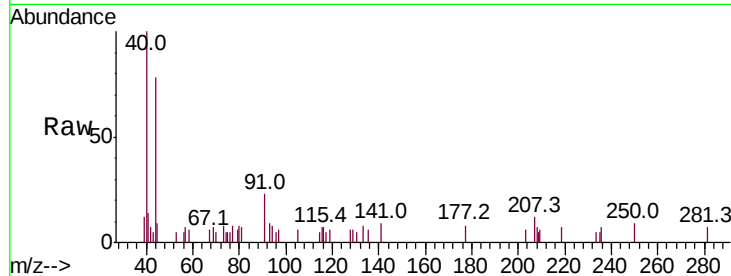
1458-62

Tot Ion: 94 Resp: 189

Ion Ratio Lower Upper

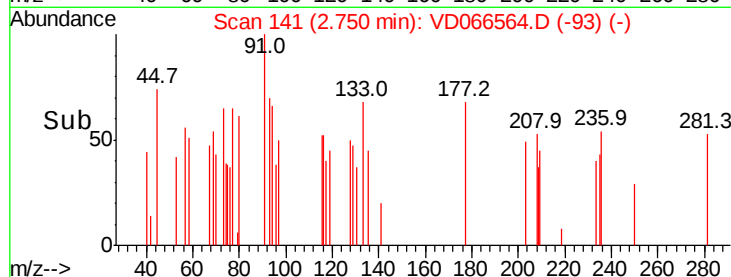
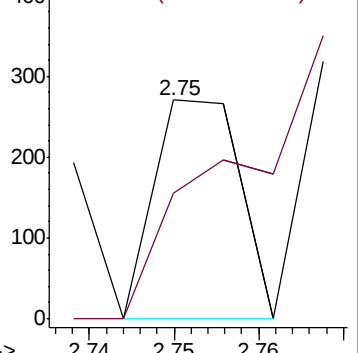
94 100

96 57.2 65.2 97.8#

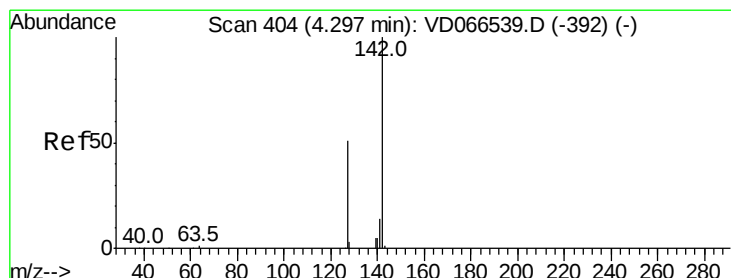


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#10

Methyl Iodide

Concen: 4.070 ug/l

RT: 4.28 min Scan# 401

Delta R.T. -0.02 min

Lab File: VD066564.D

Acq: 04 Sep 2020 15:45

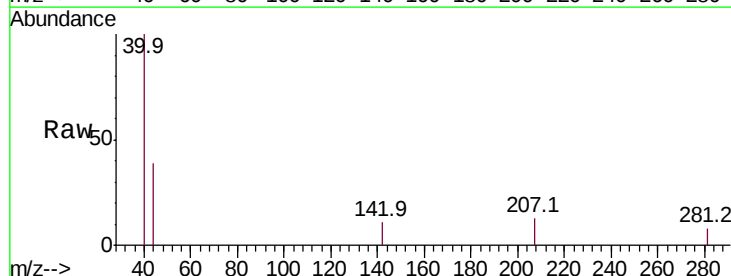
Tgt Ion: 142 Resp: 219

Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

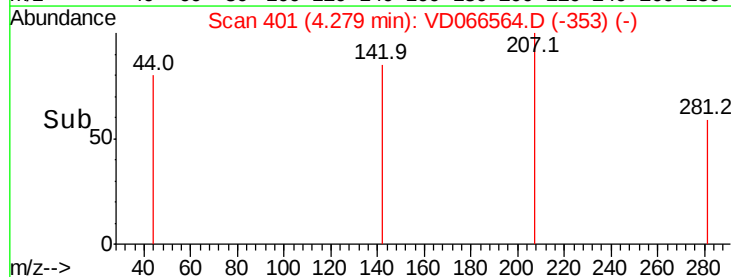
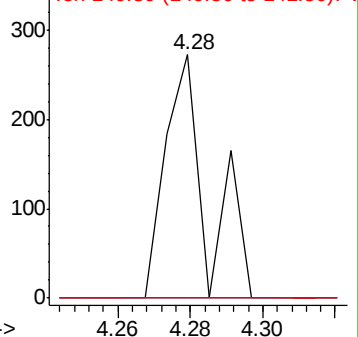
141 0.0 12.2 18.4#



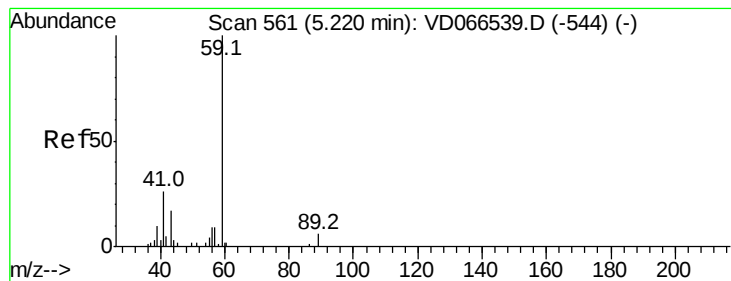
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->

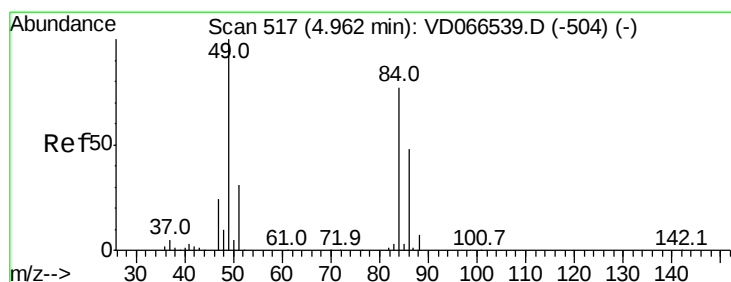
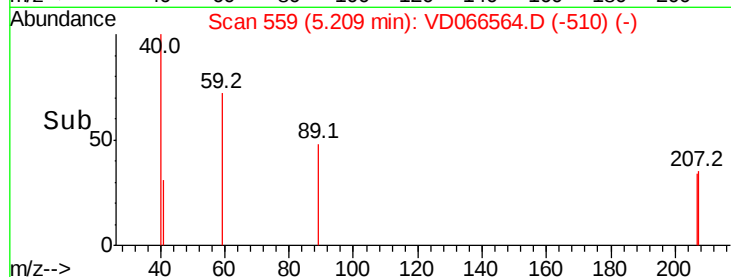
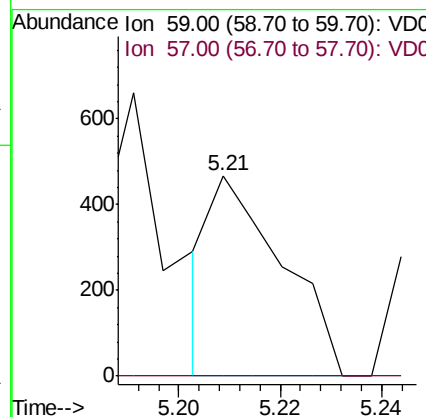
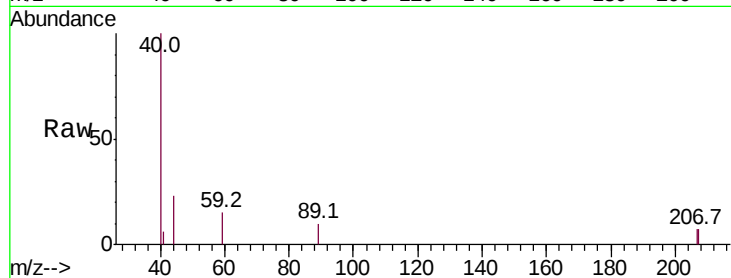


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066564.D
 Acq: 04 Sep 2020 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 1458-62

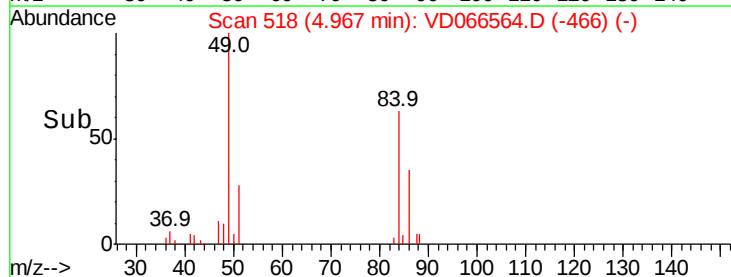
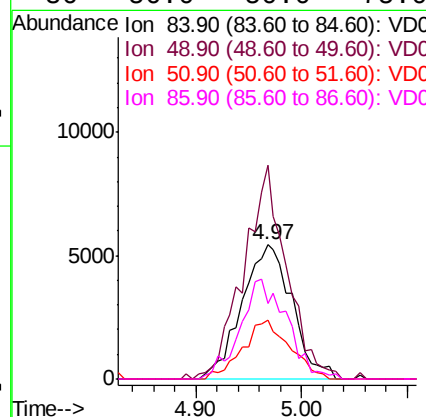
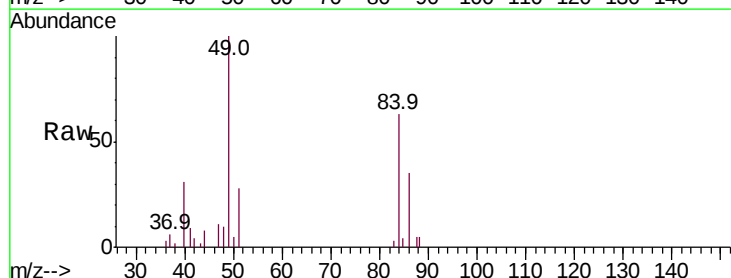
Tot Ion: 59 Resp: 459
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

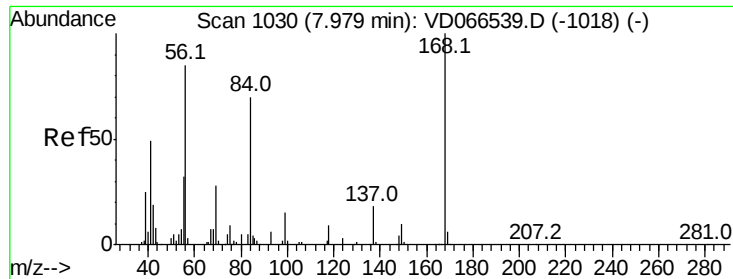


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD066564.D
 Acq: 04 Sep 2020 15:45

Tgt Ion: 84 Resp: 17867
 Ion Ratio Lower Upper
 84 100
 49 159.5 104.3 156.5#
 51 44.2 32.2 48.4
 86 56.0 50.0 75.0

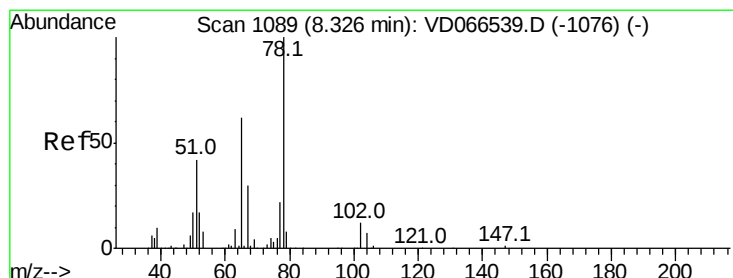
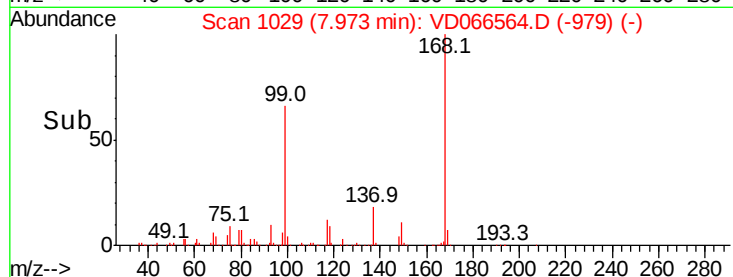
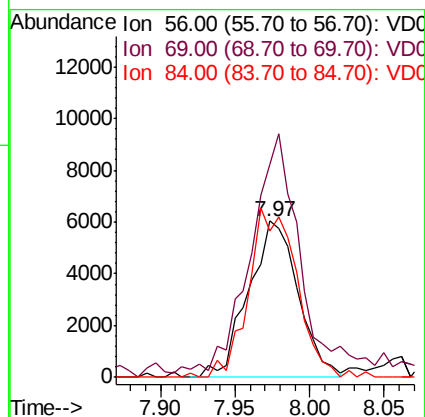
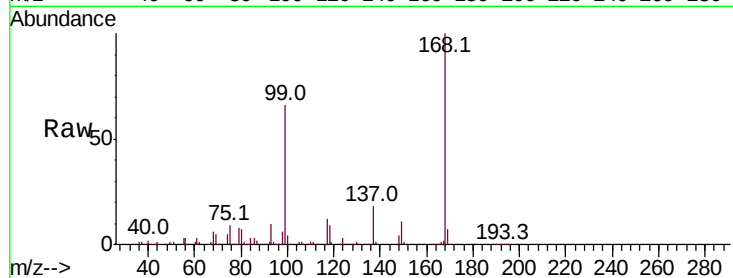




#31
Cyclohexane
Concen: 1.696 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066564.D
Acq: 04 Sep 2020 15:45

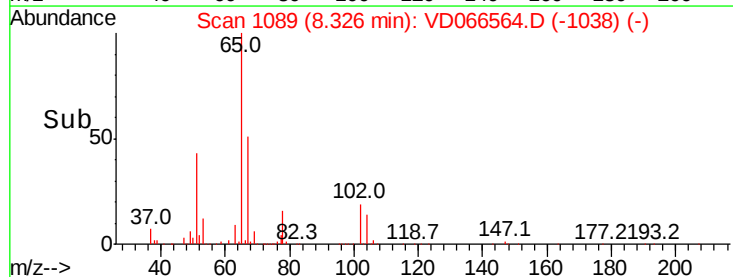
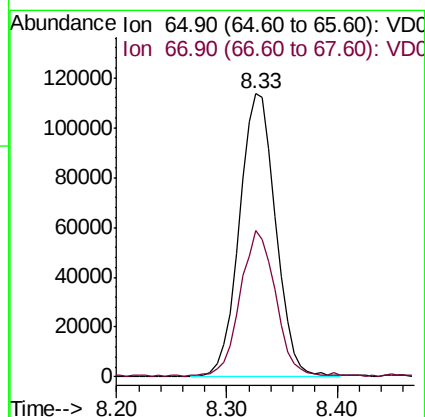
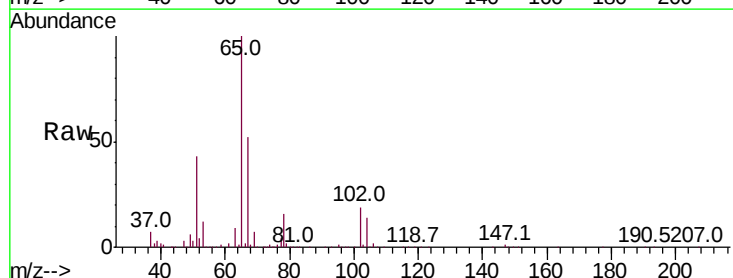
Instrument :
MSVOA_D
ClientSampleId :
1458-62

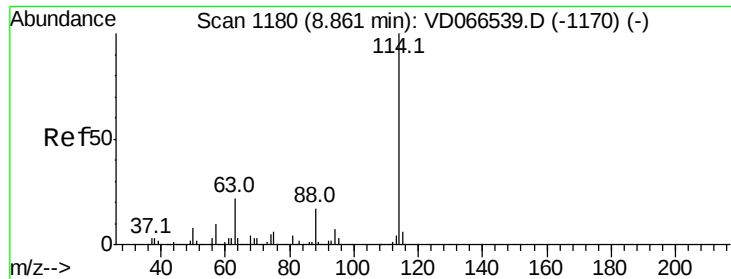
Tot Ion: 56 Resp: 13961
Ion Ratio Lower Upper
56 100
69 131.1 26.3 39.5#
84 93.9 66.1 99.1



#33
1,2-Dichloroethane-d4
Concen: 51.969 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066564.D
Acq: 04 Sep 2020 15:45

Tgt Ion: 65 Resp: 262233
Ion Ratio Lower Upper
65 100
67 49.9 0.0 102.8

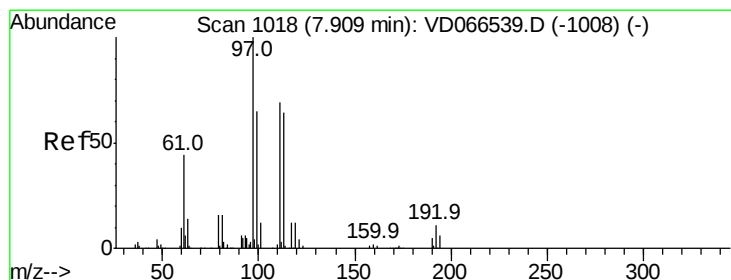
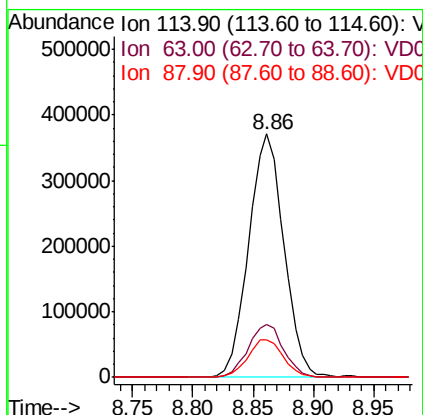
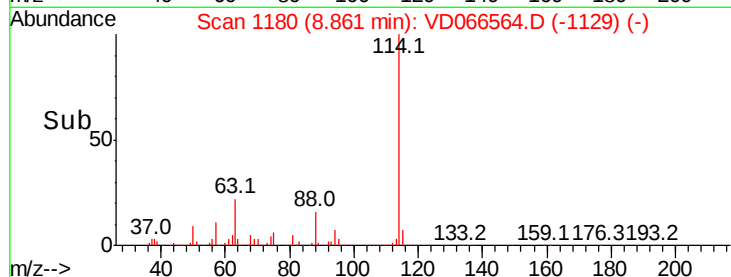
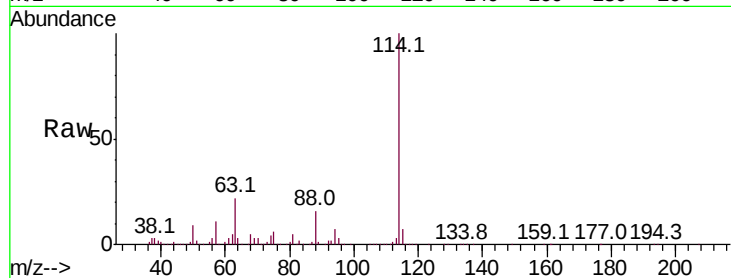




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD066564.D
Acq: 04 Sep 2020 15:45

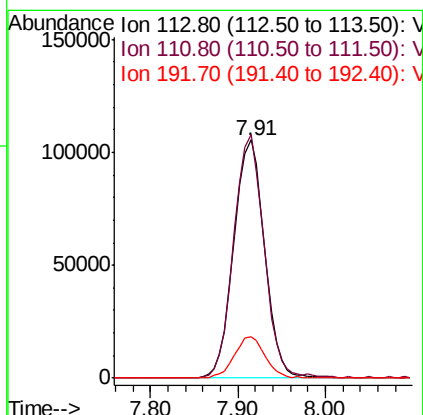
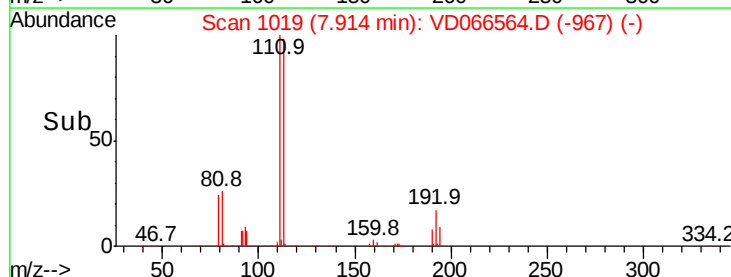
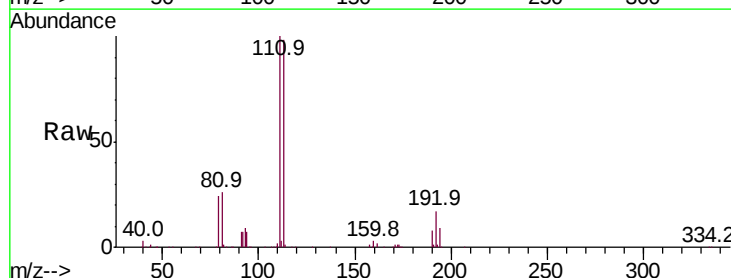
Instrument :
MSVOA_D
ClientSampleId :
1458-62

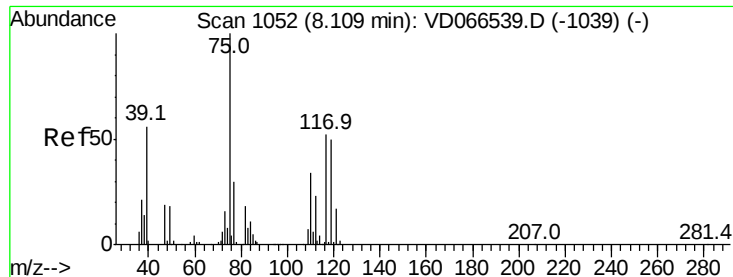
Tot Ion:114 Resp: 752412
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.2
88 15.6 0.0 33.2



#35
Dibromofluoromethane
Concen: 49.643 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066564.D
Acq: 04 Sep 2020 15:45

Tgt Ion:113 Resp: 251980
Ion Ratio Lower Upper
113 100
111 100.7 83.2 124.8
192 17.4 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.934 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066564.D

Acq: 04 Sep 2020 15:45

Instrument :

MSVOA_D

ClientSampleId :

1458-62

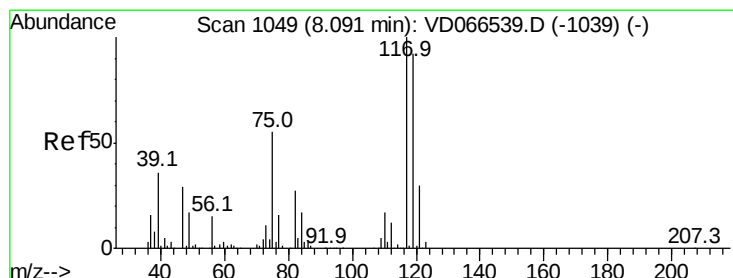
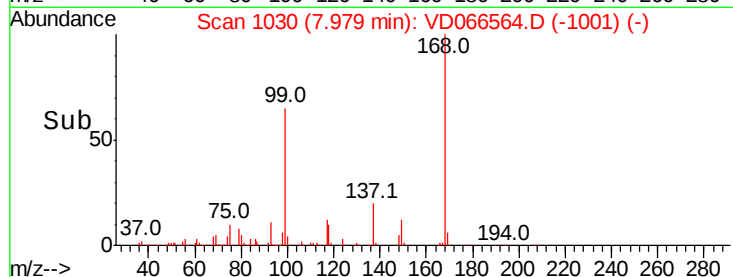
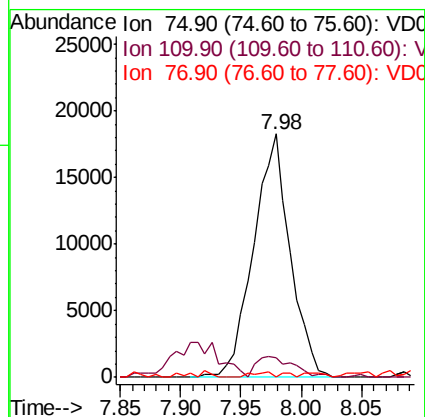
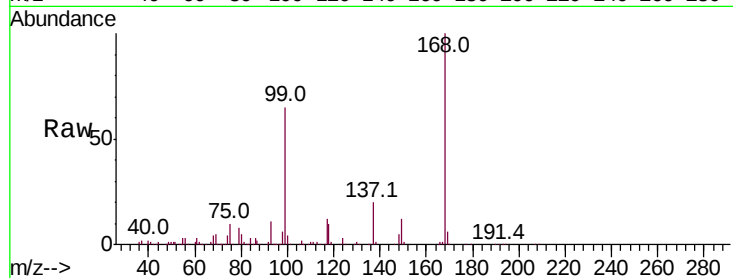
Tot Ion: 75 Resp: 38631

Ion Ratio Lower Upper

75 100

110 8.7 17.3 52.0#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.858 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066564.D

Acq: 04 Sep 2020 15:45

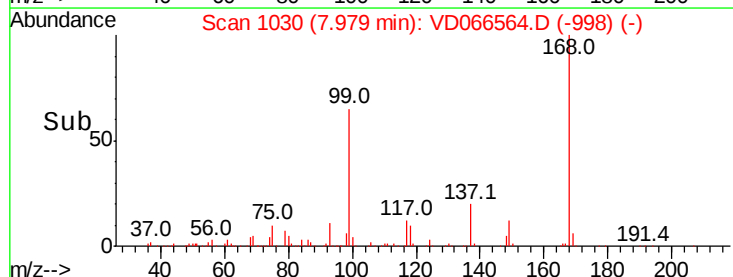
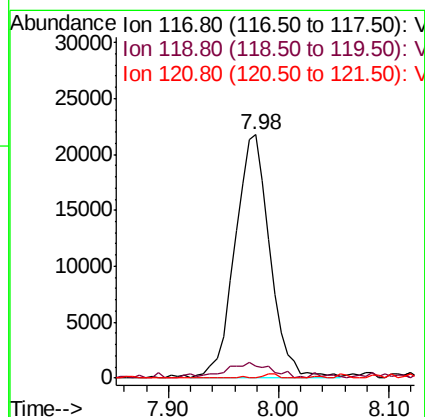
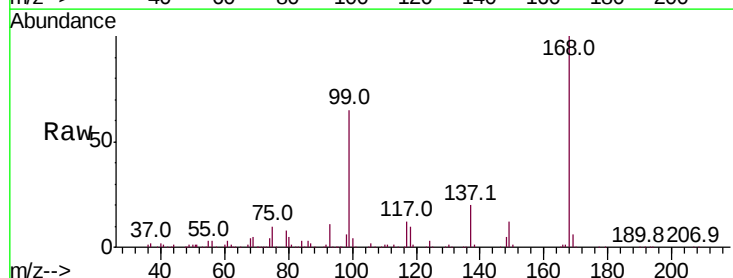
Tgt Ion: 117 Resp: 48481

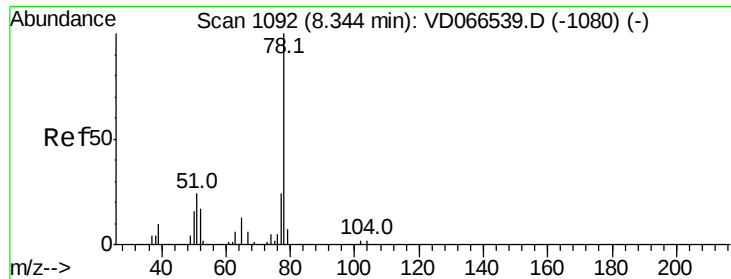
Ion Ratio Lower Upper

117 100

119 4.4 73.9 110.9#

121 0.0 24.1 36.1#





#40

Benzene

Concen: 5.372 ug/l

RT: 8.34 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD066564.D

Acq: 04 Sep 2020 15:45

Instrument :

MSVOA_D

ClientSampleId :

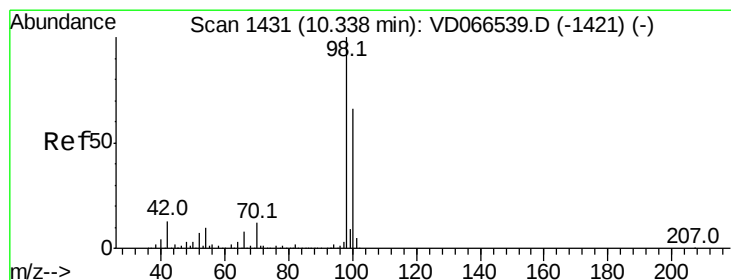
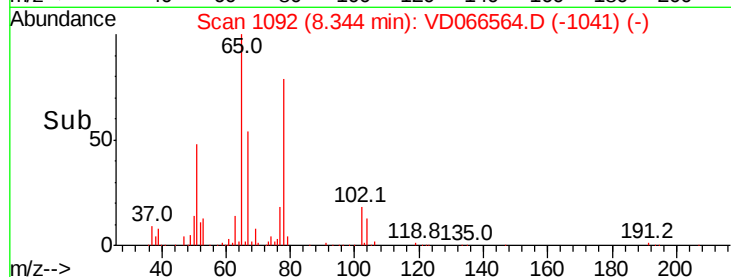
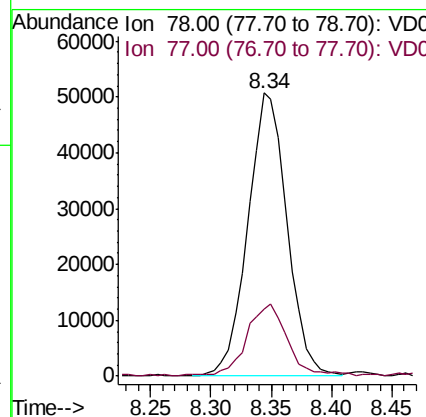
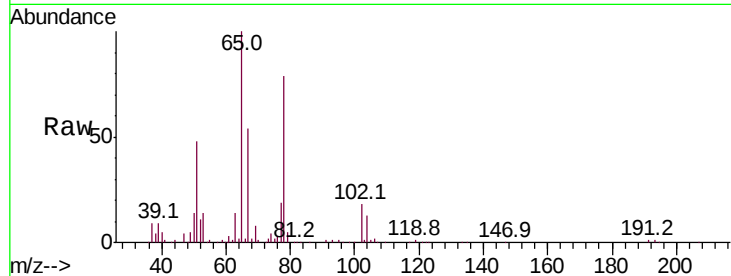
1458-62

Tot Ion: 78 Resp: 115197

Ion Ratio Lower Upper

78 100

77 23.1 19.1 28.7



#50

Toluene-d8

Concen: 51.414 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066564.D

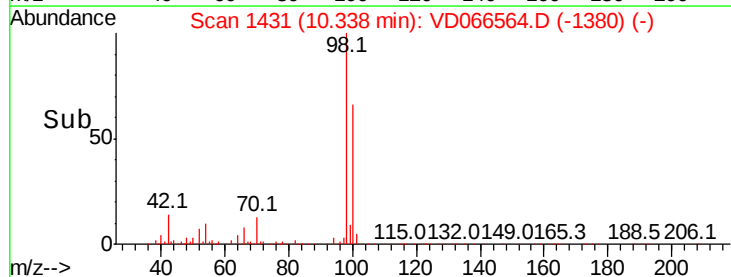
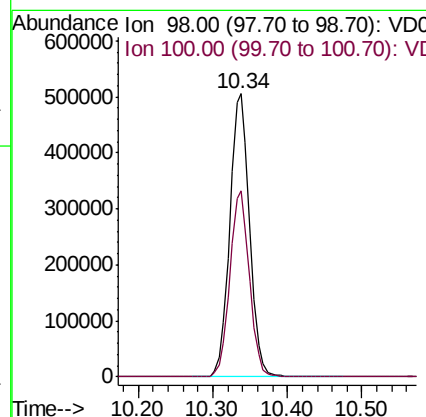
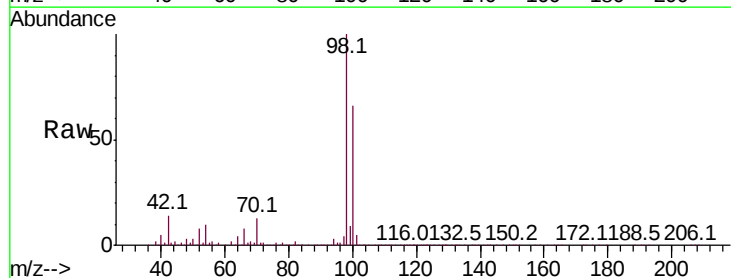
Acq: 04 Sep 2020 15:45

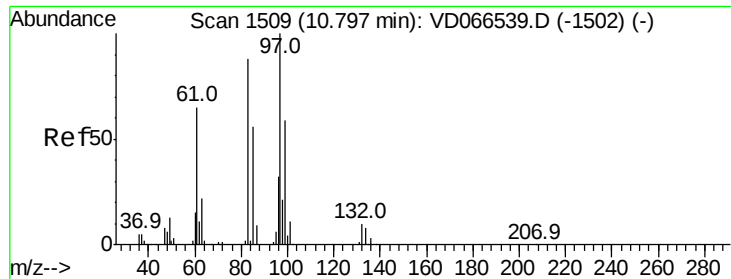
Tgt Ion: 98 Resp: 932743

Ion Ratio Lower Upper

98 100

100 64.9 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 1.141 ug/l

RT: 10.77 min Scan# 1504

Delta R.T. -0.03 min

Lab File: VD066564.D

Acq: 04 Sep 2020 15:45

Instrument :

MSVOA_D

ClientSampleId :

1458-62

Tot Ion: 97 Resp: 4367

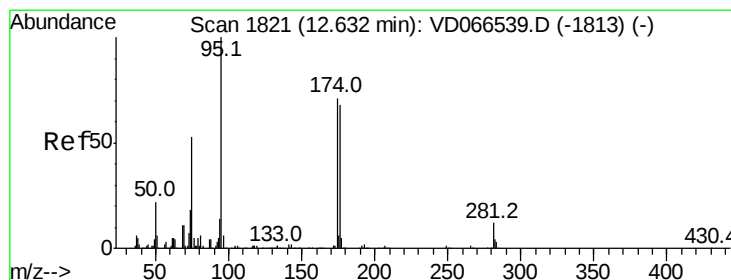
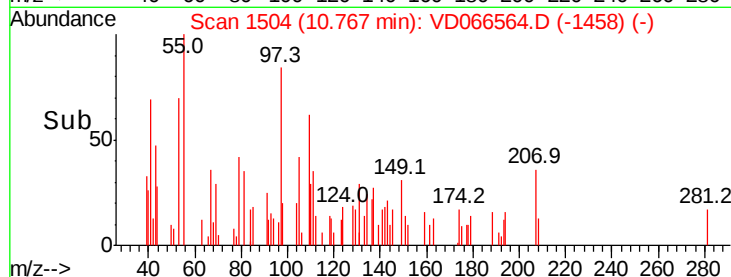
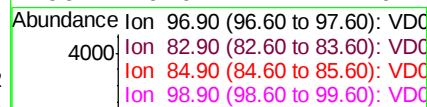
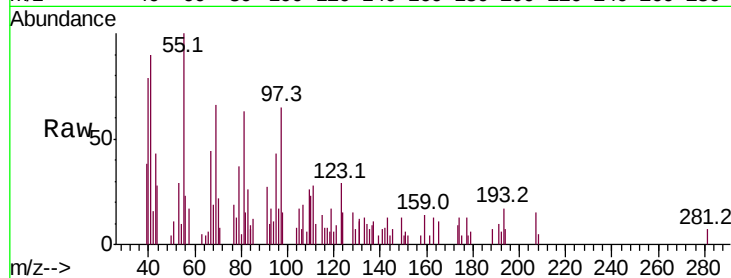
Ion Ratio Lower Upper

97 100

83 0.0 70.1 105.1#

85 25.0 44.5 66.7#

99 0.0 47.1 70.7#



#62

4-Bromofluorobenzene

Concen: 53.756 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066564.D

Acq: 04 Sep 2020 15:45

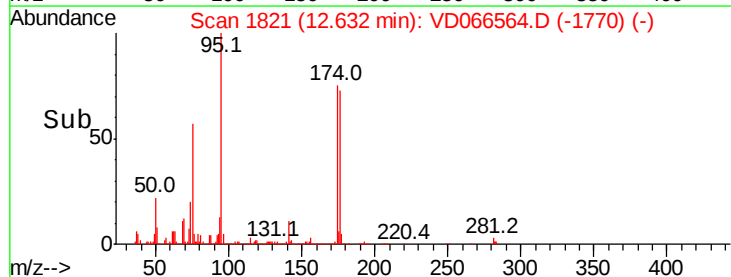
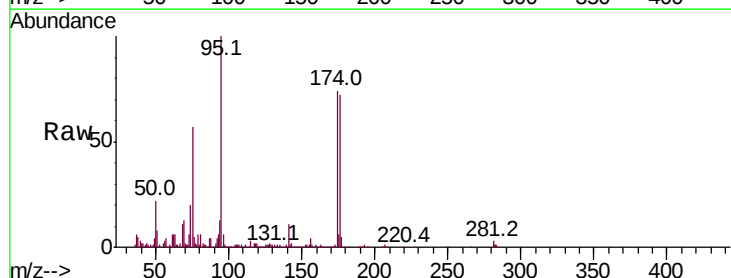
Tgt Ion: 95 Resp: 323377

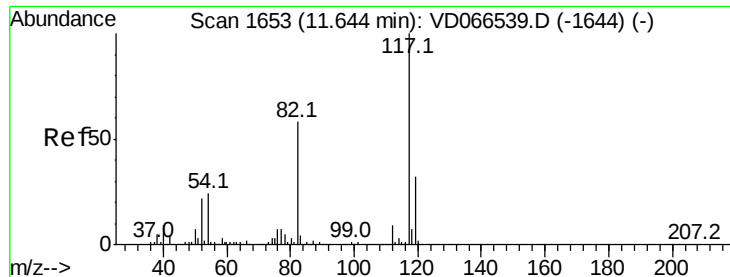
Ion Ratio Lower Upper

95 100

174 77.9 0.0 155.8

176 72.5 0.0 148.6

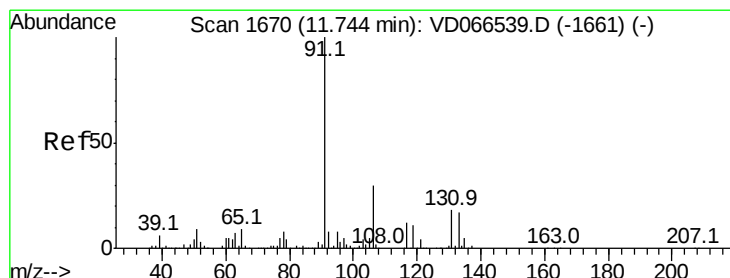
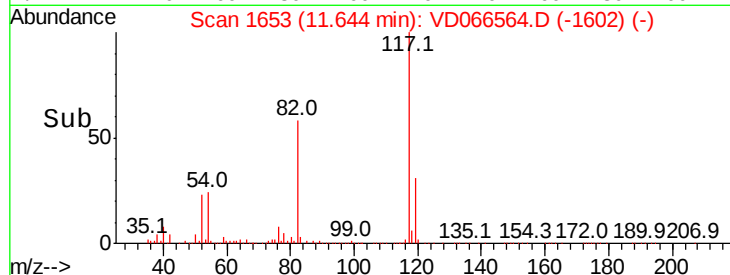
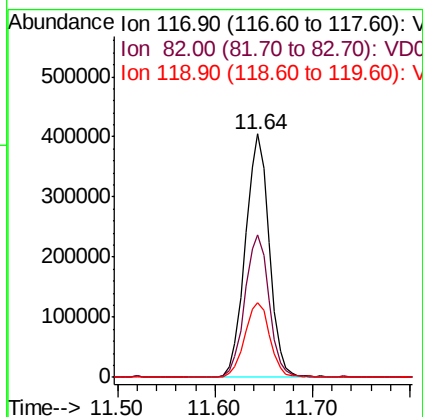
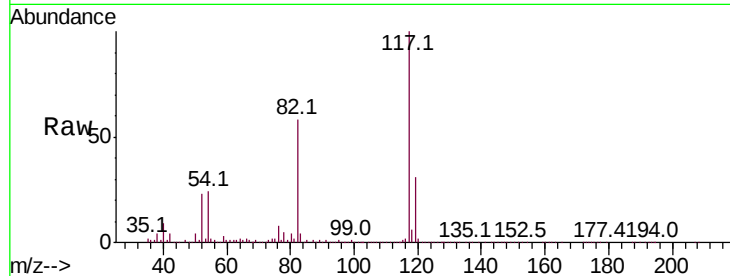




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066564.D
Acq: 04 Sep 2020 15:45

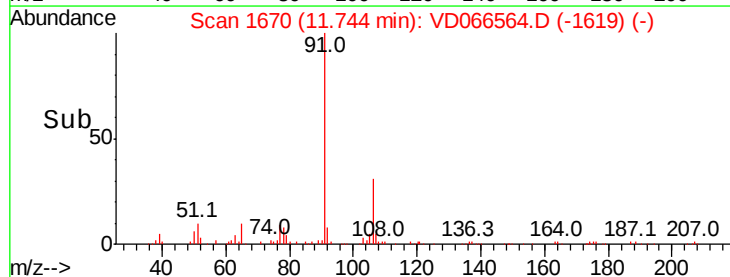
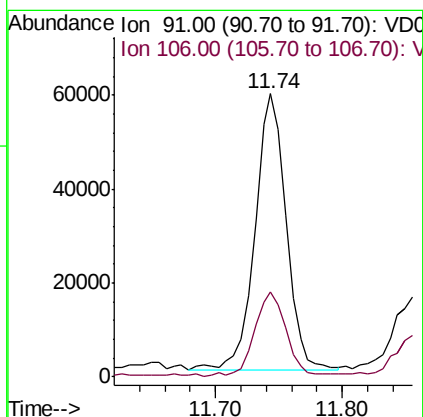
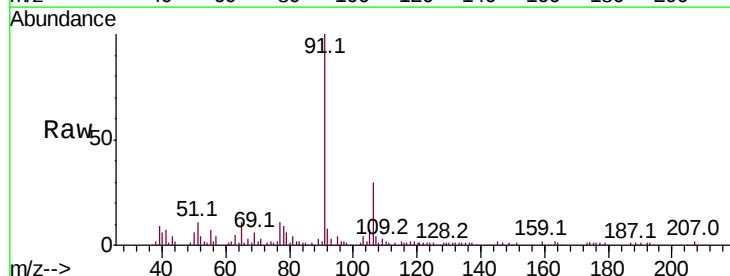
Instrument :
MSVOA_D
ClientSampleId :
1458-62

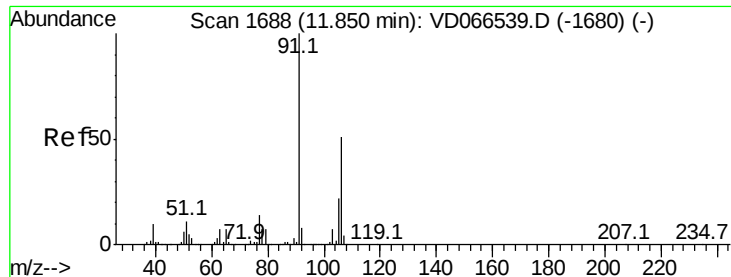
Tot Ion:117 Resp: 689992
Ion Ratio Lower Upper
117 100
82 58.3 46.2 69.2
119 30.6 25.8 38.8



#67
Ethyl Benzene
Concen: 3.833 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066564.D
Acq: 04 Sep 2020 15:45

Tgt Ion: 91 Resp: 100217
Ion Ratio Lower Upper
91 100
106 30.2 24.3 36.5

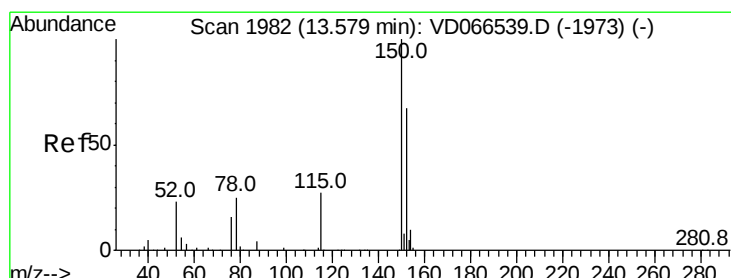
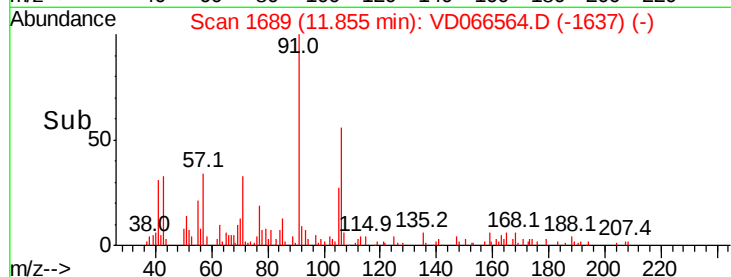
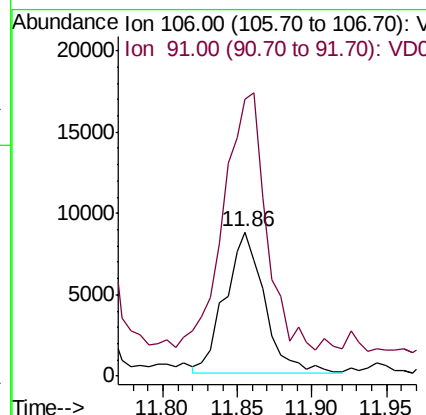
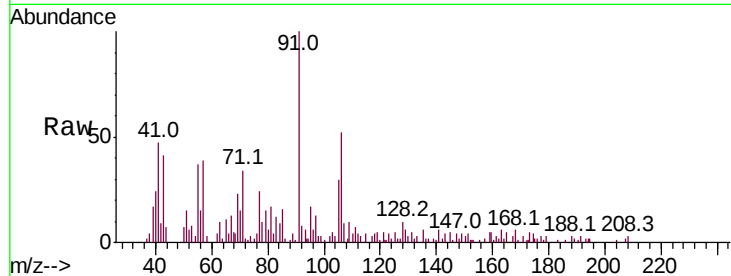




#68
m/p-Xvlenes
Concen: 1.652 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066564.D
Acq: 04 Sep 2020 15:45

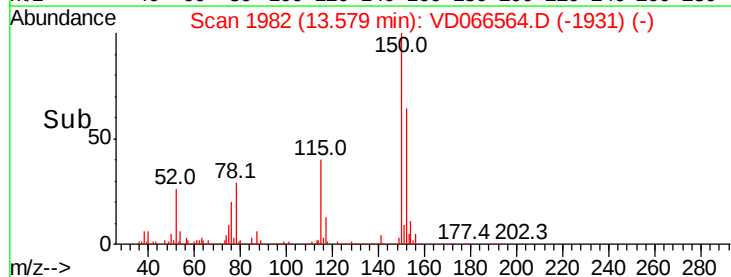
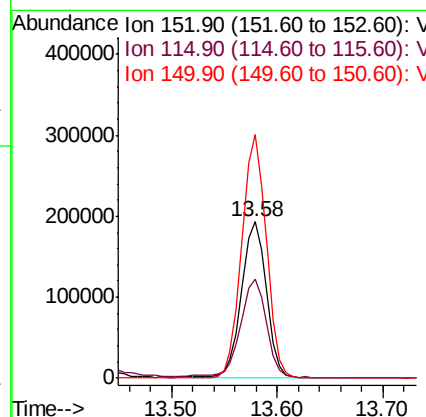
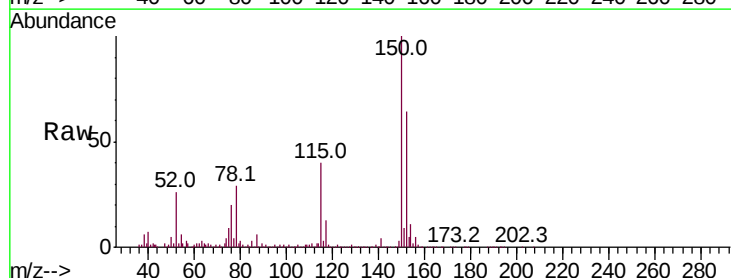
Instrument :
MSVOA_D
ClientSampleId :
1458-62

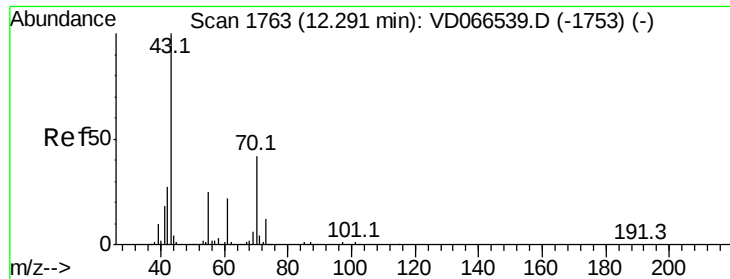
Tot Ion:106 Resp: 16037
Ion Ratio Lower Upper
106 100
91 196.0 162.4 243.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066564.D
Acq: 04 Sep 2020 15:45

Tgt Ion:152 Resp: 313838
Ion Ratio Lower Upper
152 100
115 66.4 30.4 91.2
150 153.3 0.0 345.8





#74

N-amvl acetate

Concen: 2.270 ug/l

RT: 12.27 min Scan# 1759

Delta R.T. -0.02 min

Lab File: VD066564.D

Acq: 04 Sep 2020 15:45

Instrument :

MSVOA_D

ClientSampleId :

1458-62

Tot Ion: 43 Resp: 11948

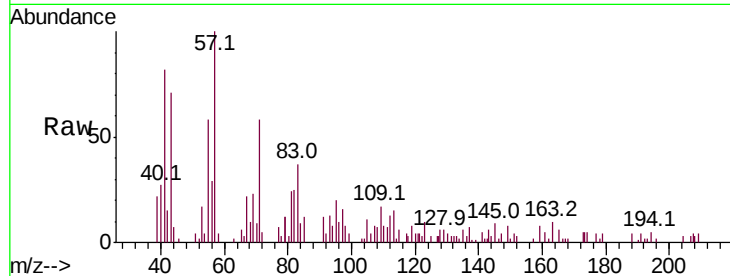
Ion Ratio Lower Upper

43 100

70 9.3 33.4 50.2#

55 0.0 20.1 30.1#

61 0.0 18.2 27.2#

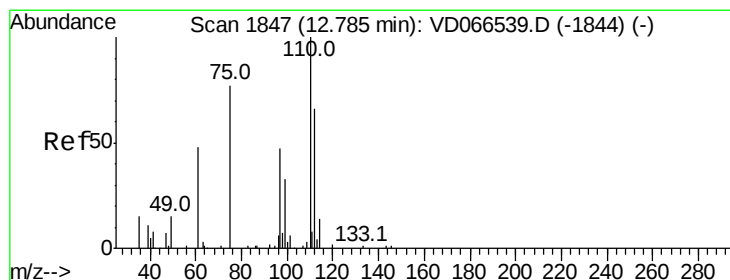
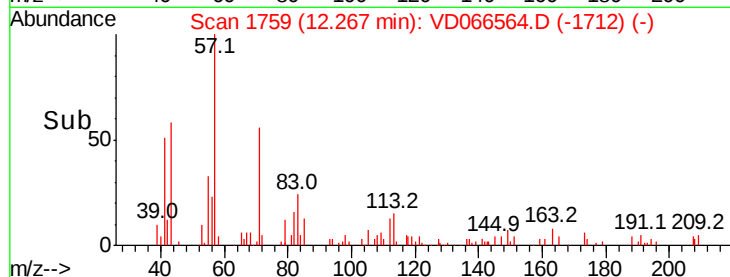
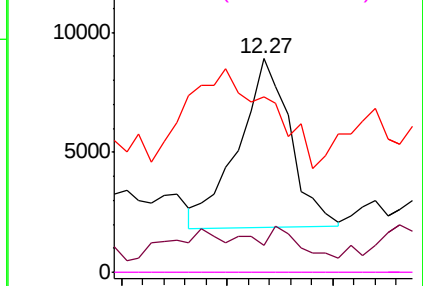


Abundance Ion 43.00 (42.70 to 43.70): VDC

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



#76

1,2,3-Trichloropropane

Concen: 60.715 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066564.D

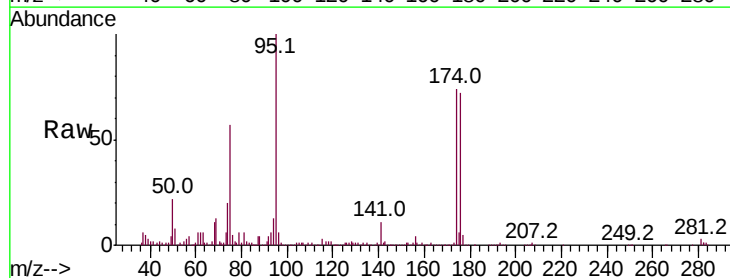
Acq: 04 Sep 2020 15:45

Tgt Ion: 75 Resp: 183256

Ion Ratio Lower Upper

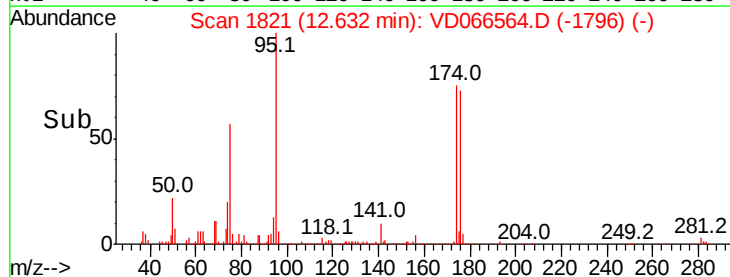
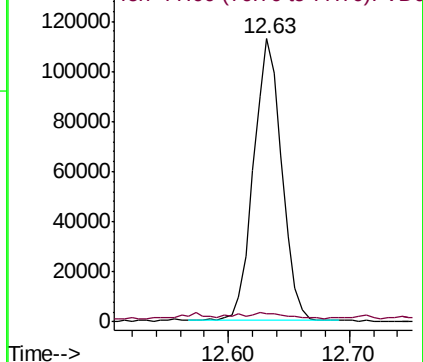
75 100

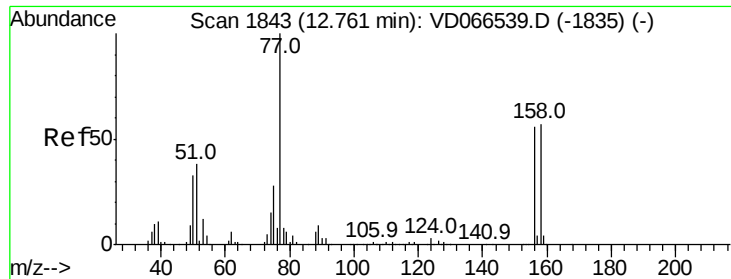
77 2.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 4.429 ug/l

RT: 12.58 min Scan# 1812

Delta R.T. -0.18 min

Lab File: VD066564.D

Acq: 04 Sep 2020 15:45

Instrument :

MSVOA_D

ClientSampled :

1458-62

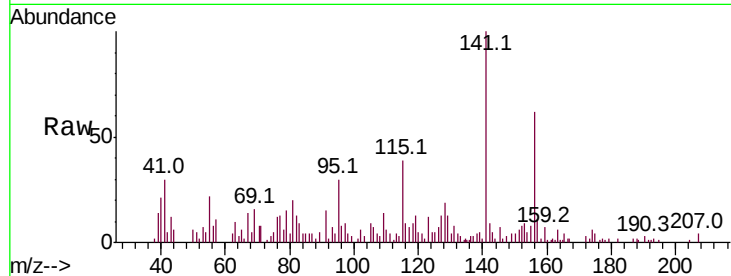
Tot Ion:156 Resp: 22943

Ion Ratio Lower Upper

156 100

77 15.8 98.0 294.1#

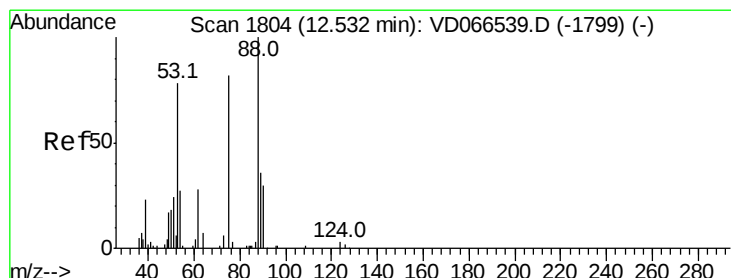
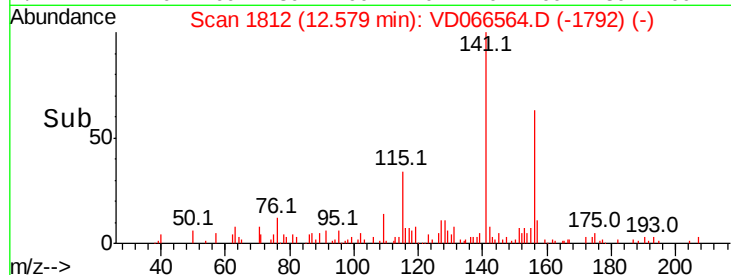
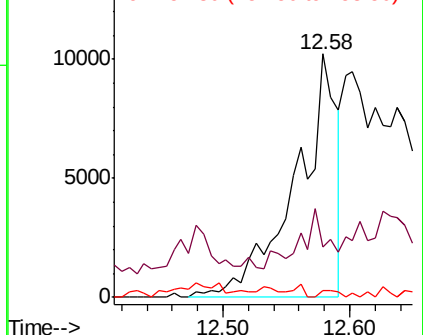
158 1.2 48.1 144.3#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 141.749 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066564.D

Acq: 04 Sep 2020 15:45

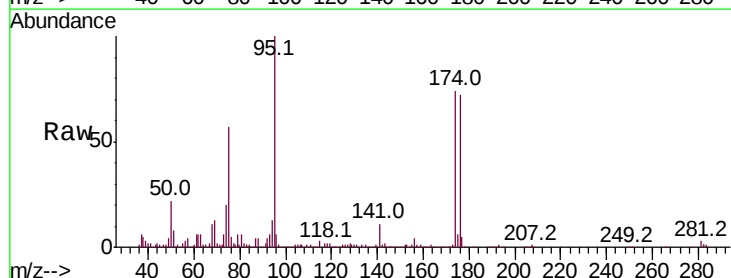
Tgt Ion: 75 Resp: 183256

Ion Ratio Lower Upper

75 100

53 0.7 87.0 130.4#

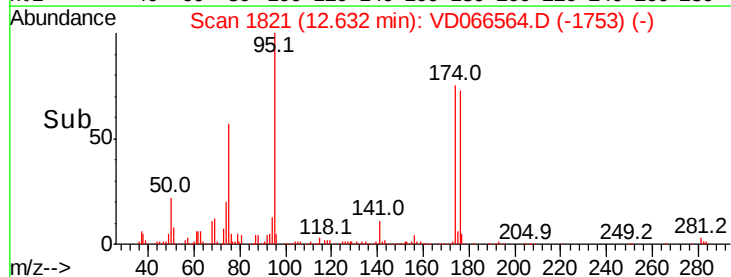
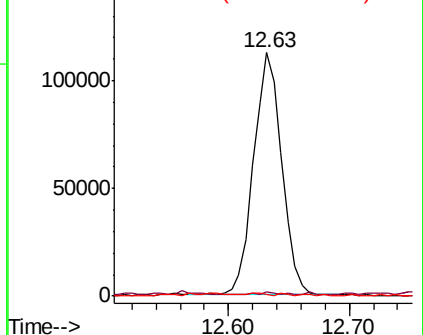
89 0.7 37.1 55.7#

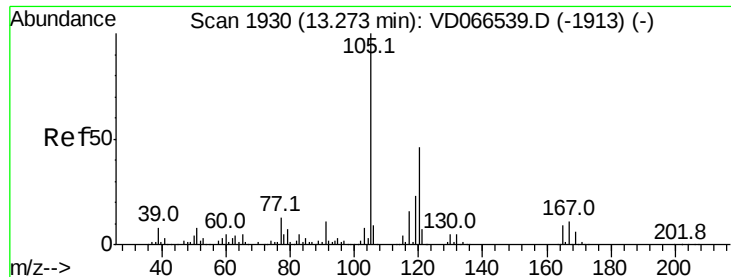


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 53.00 (52.70 to 53.70): V

Ion 88.90 (88.60 to 89.60): V





#84

1,2,4-Trimethylbenzene

Concen: 1.574 ug/l

RT: 13.27 min Scan# 1929

Delta R.T. -0.01 min

Lab File: VD066564.D

Acq: 04 Sep 2020 15:45

Instrument :

MSVOA_D

ClientSampleId :

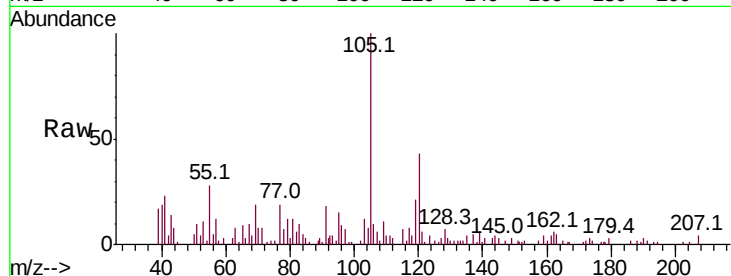
1458-62

Tot Ion:105 Resp: 30650

Ion Ratio Lower Upper

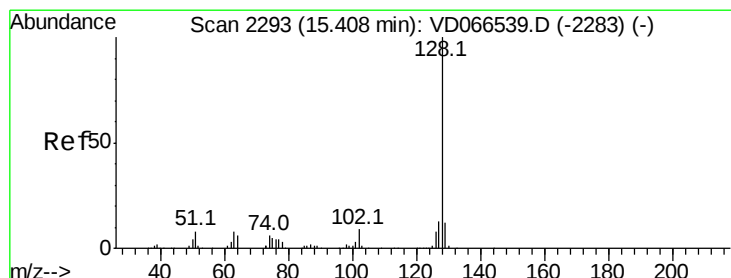
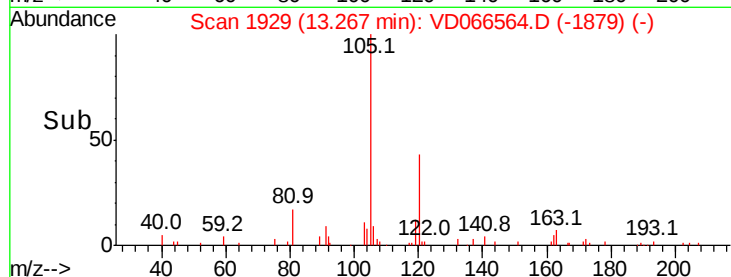
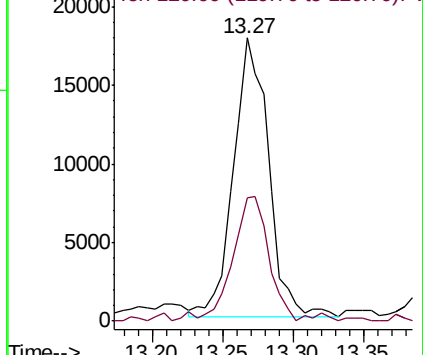
105 100

120 45.1 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 12.562 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066564.D

Acq: 04 Sep 2020 15:45

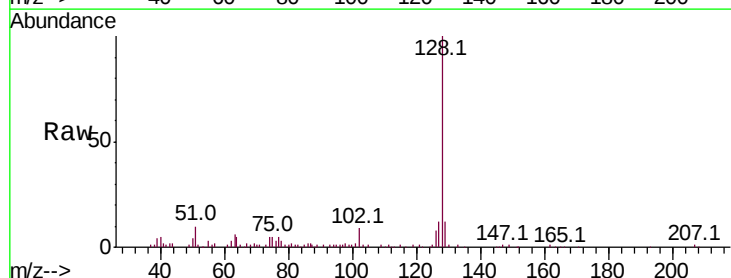
Tgt Ion:128 Resp: 118429

Ion Ratio Lower Upper

128 100

127 15.0 10.7 16.1

129 11.3 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

