

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067218.D
 Acq On : 09 Oct 2020 18:12
 Operator : VA/SY
 Sample : L4317-03
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 11935

Quant Time: Oct 09 23:48:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

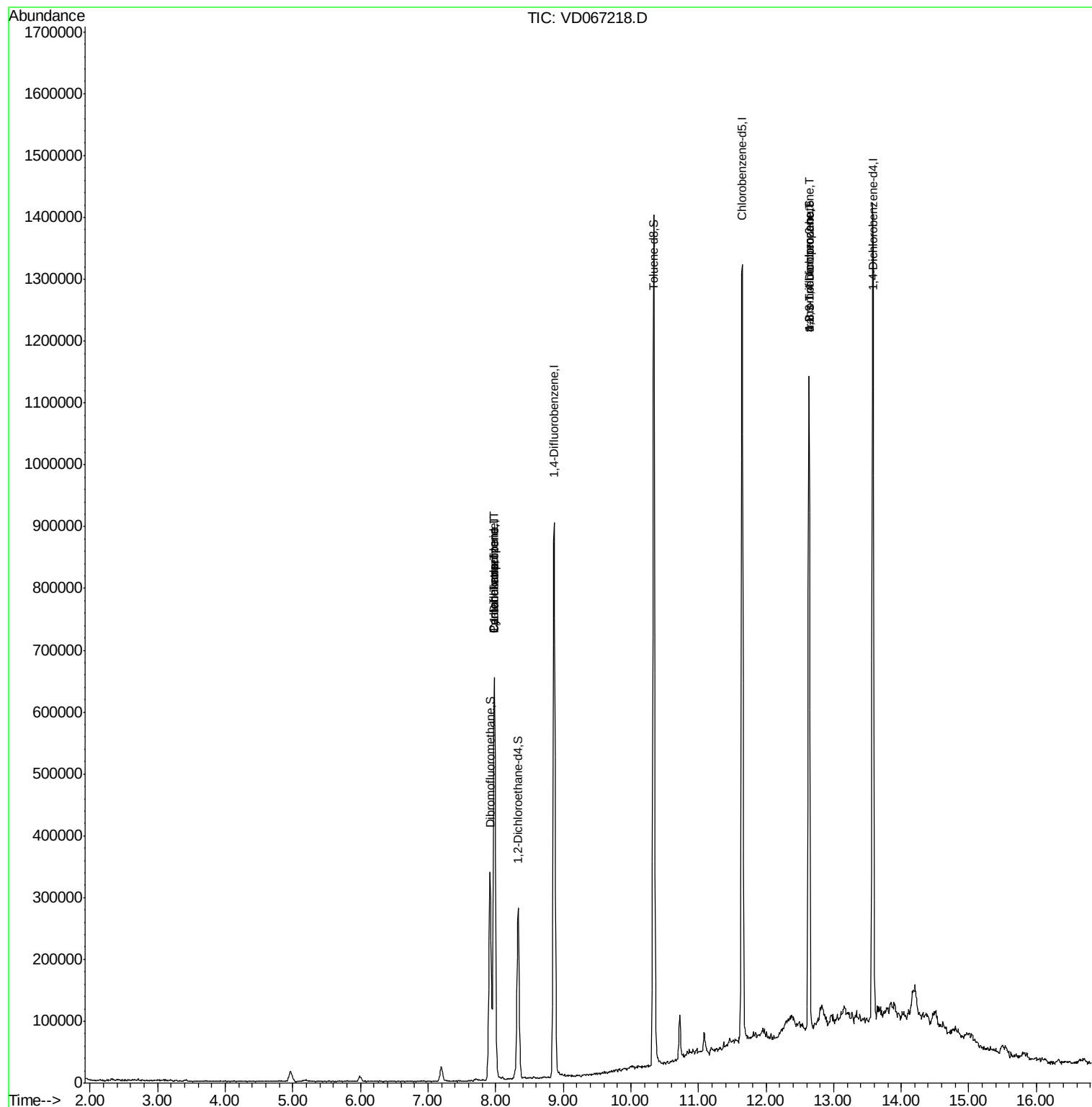
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	502589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	819277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	786730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	377579	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	227563	47.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.02%	
35) Dibromofluoromethane	7.92	113	252331	47.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.08%	
50) Toluene-d8	10.34	98	981017	50.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.64	95	351585	52.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.98%	
Target Compounds						
2) Dichlorodifluoromethane	1.98	85	558	Below Cal	#	40
5) Bromomethane	2.77	94	157	Below Cal		86
11) Tert butyl alcohol	5.20	59	282	Below Cal	#	72
20) Methylene Chloride	4.97	84	13479	Below Cal		92
26) 2,2-Dichloropropane	7.20	77	946	Below Cal	#	53
31) Cyclohexane	7.98	56	9550	1.314	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	35542	4.654	ug/l #	52
38) Carbon Tetrachloride	7.98	117	49497	5.990	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	173103	52.633	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	173103	131.222	ug/l #	13

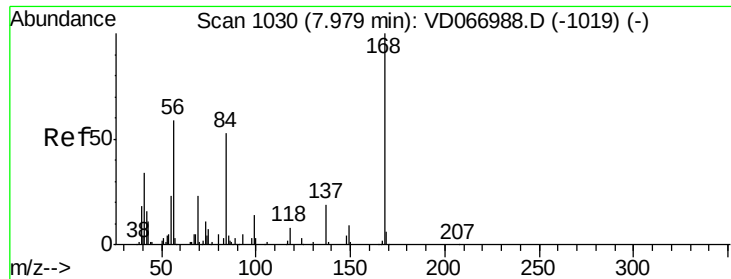
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100920\
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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 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: VD067218.D

Acq: 09 Oct 2020 18:12

Instrument :

MSVOA_D

ClientSampleId :

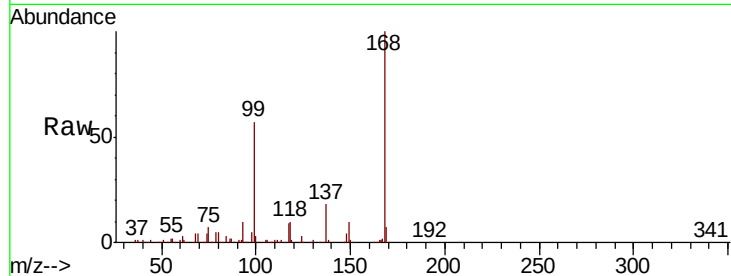
11935

Tot Ion:168 Resp: 502589

Ion Ratio Lower Upper

168 100

99 57.4 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

250000

200000

150000

100000

50000

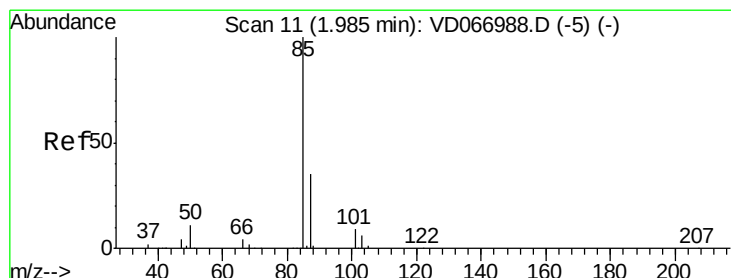
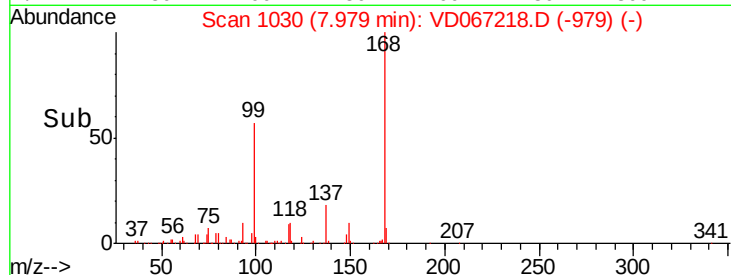
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD067218.D

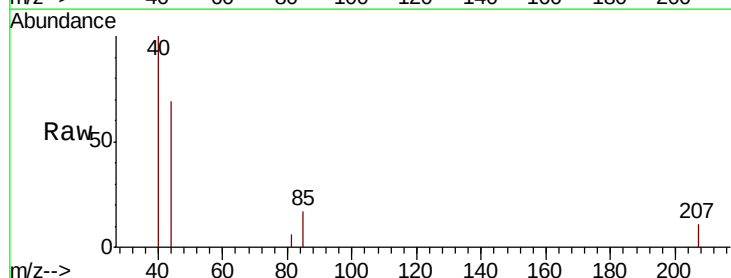
Acq: 09 Oct 2020 18:12

Tgt Ion: 85 Resp: 558

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

500

400

300

200

100

0

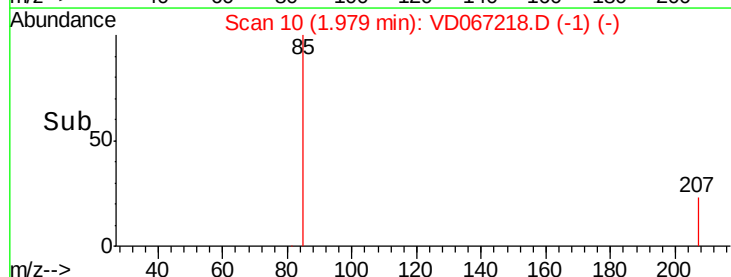
1.96

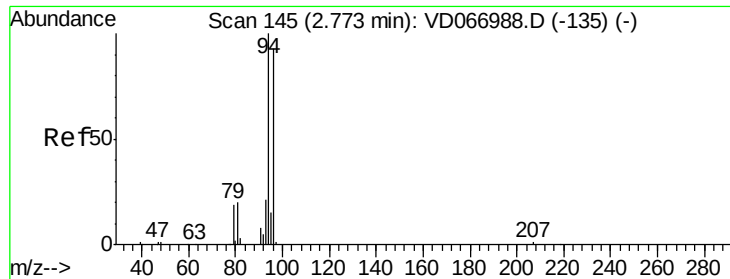
1.98

2.00

2.02

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067218.D

Acq: 09 Oct 2020 18:12

Instrument :

MSVOA_D

ClientSampleId :

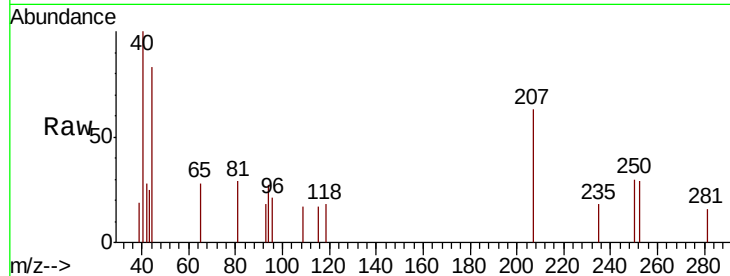
11935

Tot Ion: 94 Resp: 157

Ion Ratio Lower Upper

94 100

96 79.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

300

200

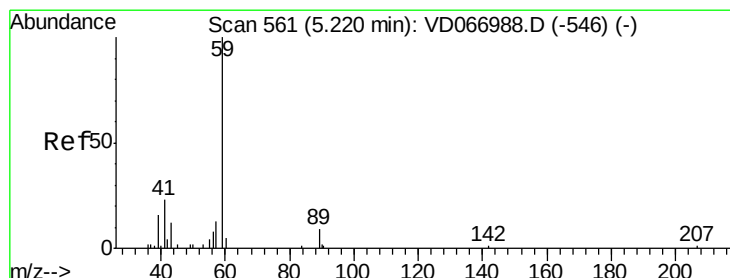
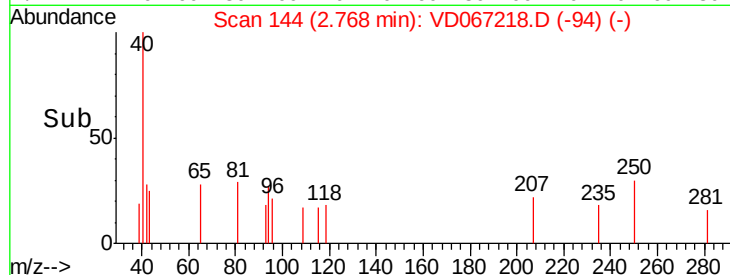
100

0

2.75 2.76 2.77 2.78

2.77

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD067218.D

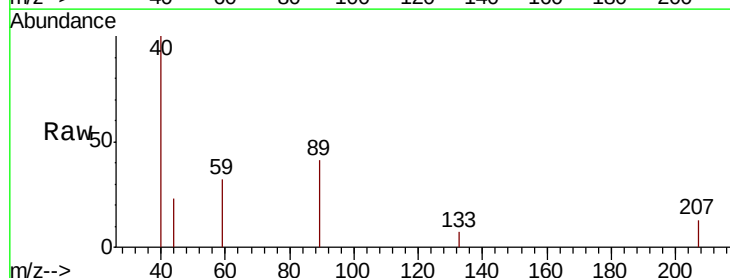
Acq: 09 Oct 2020 18:12

Tgt Ion: 59 Resp: 282

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

800

600

400

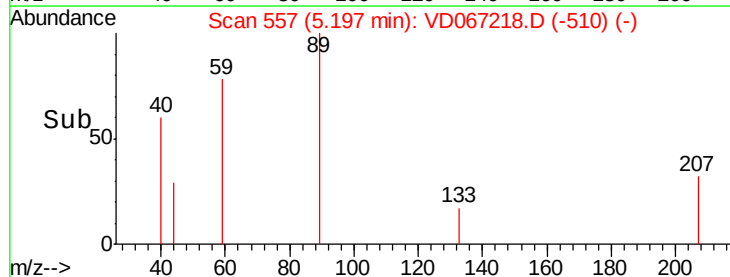
200

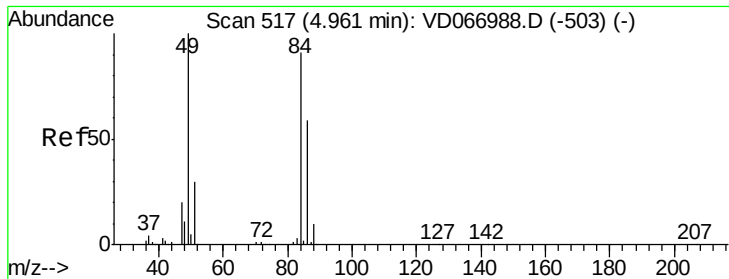
0

5.19 5.20 5.21

5.20

Time-->

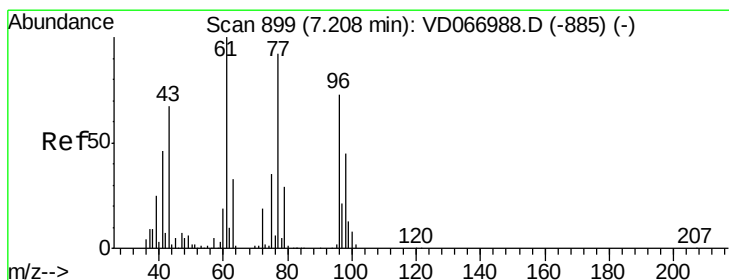
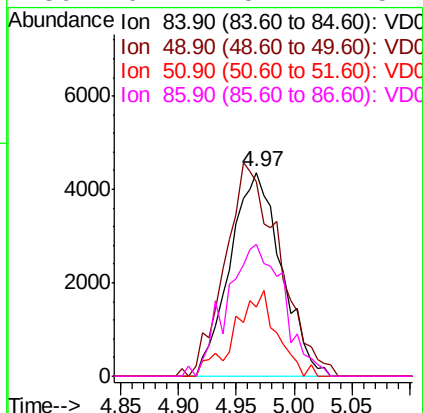
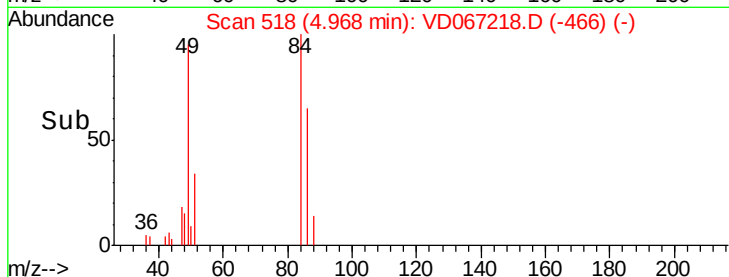
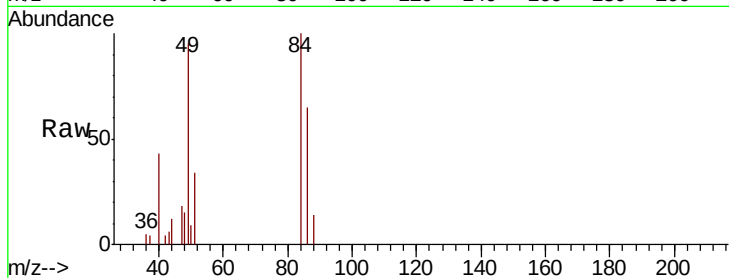




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067218.D
Acq: 09 Oct 2020 18:12

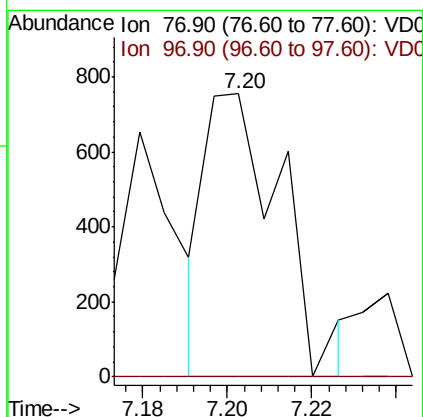
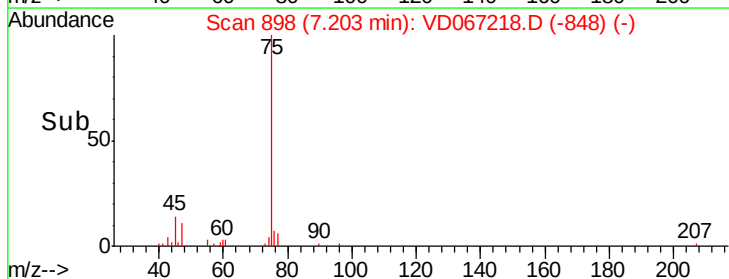
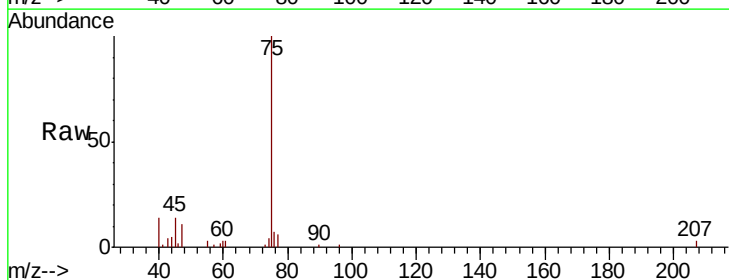
Instrument :
MSVOA_D
ClientSampleId :
11935

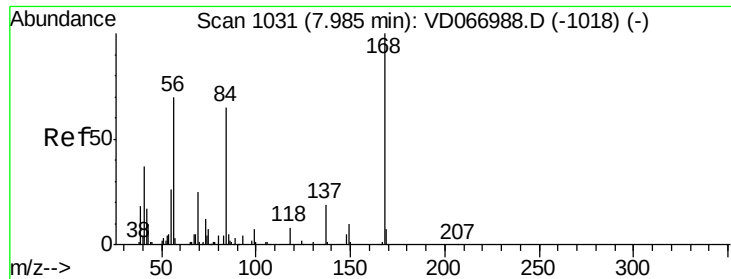
Tot Ion: 84 Resp: 13479
Ion Ratio Lower Upper
84 100
49 95.3 88.2 132.2
51 33.8 26.6 39.8
86 64.7 52.1 78.1



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067218.D
Acq: 09 Oct 2020 18:12

Tgt Ion: 77 Resp: 946
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#

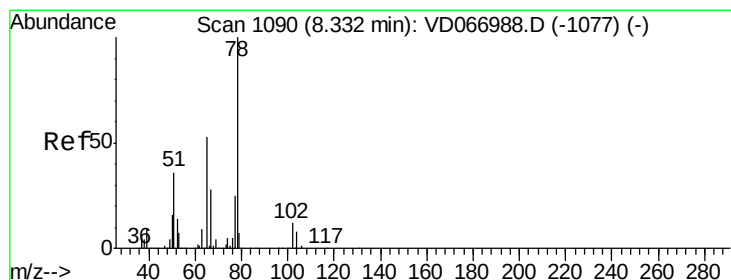
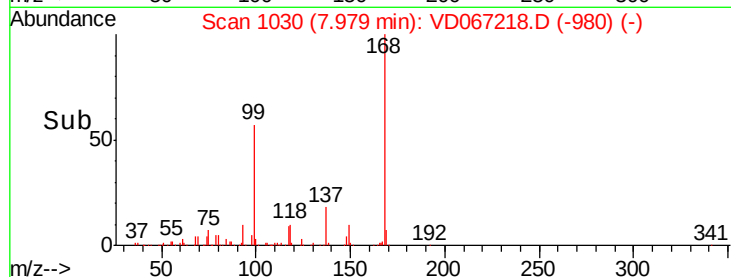
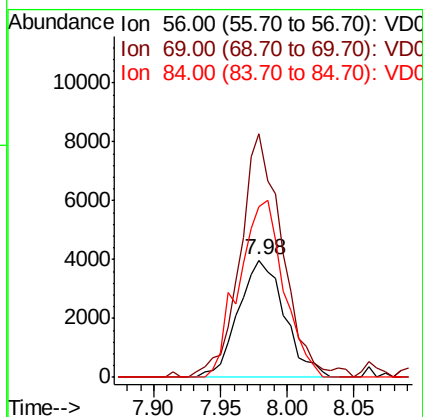
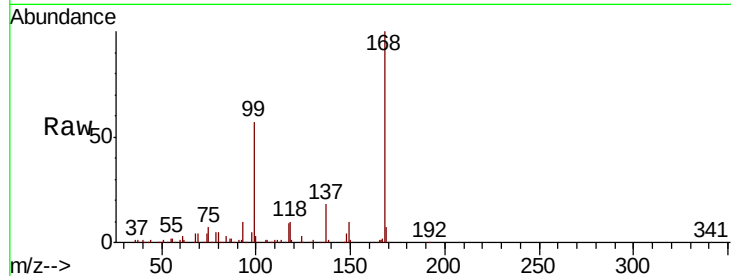




#31
Cyclohexane
Concen: 1.314 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067218.D
Acq: 09 Oct 2020 18:12

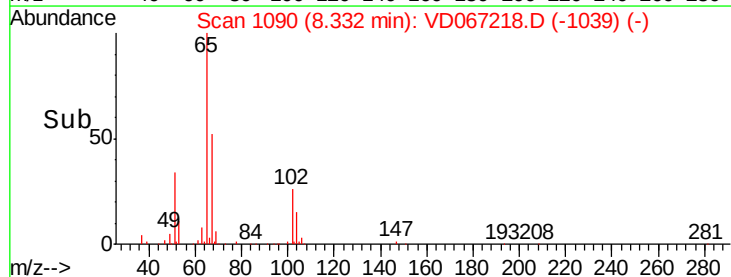
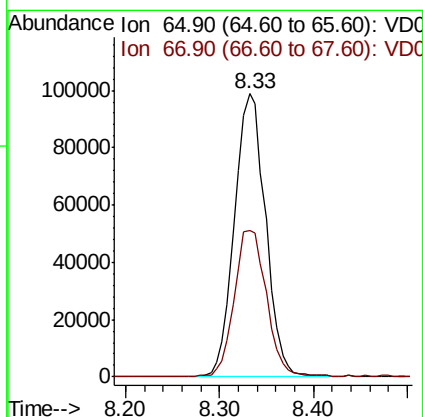
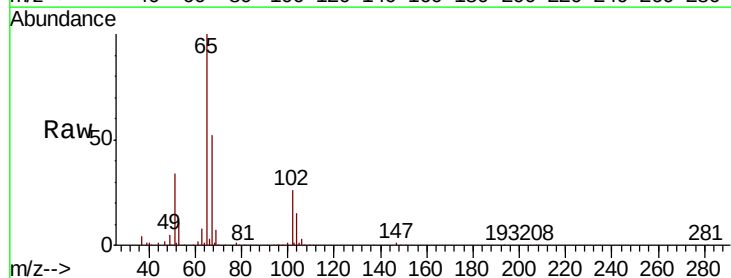
Instrument :
MSVOA_D
ClientSampleId :
11935

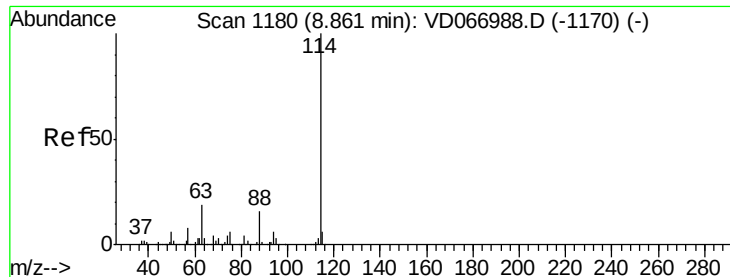
Tot Ion: 56 Resp: 9550
Ion Ratio Lower Upper
56 100
69 207.9 29.0 43.6#
84 145.4 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 47.008 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067218.D
Acq: 09 Oct 2020 18:12

Tgt Ion: 65 Resp: 227563
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

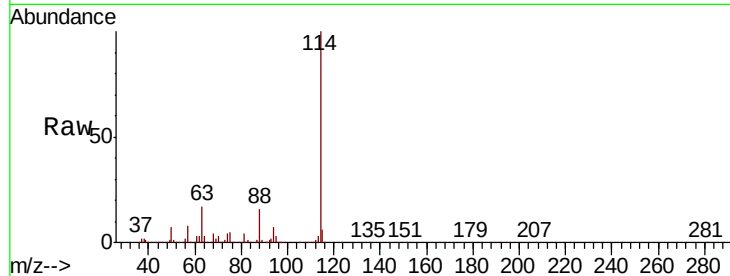
Lab File: VD067218.D

Acq: 09 Oct 2020 18:12

Instrument :
MSVOA_D
ClientSampleId :
11935

Tot Ion:114 Resp: 819277

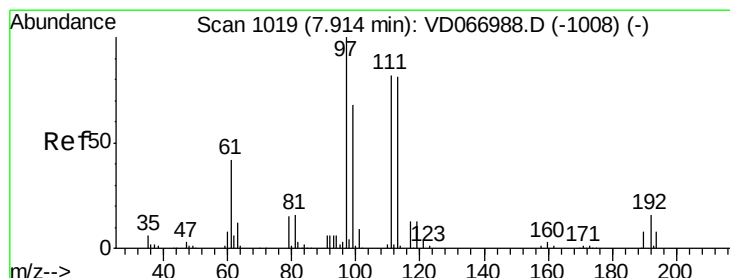
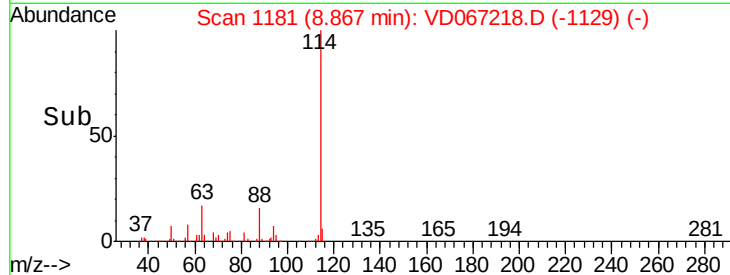
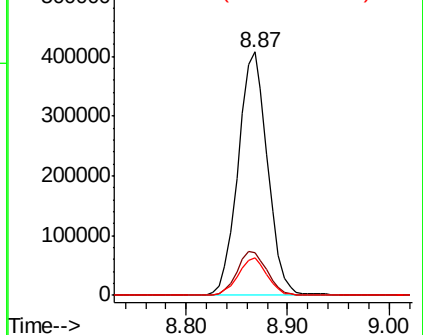
Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	38.4
88	15.6	0.0	31.2



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: 47.045 ug/l

RT: 7.92 min Scan# 1020

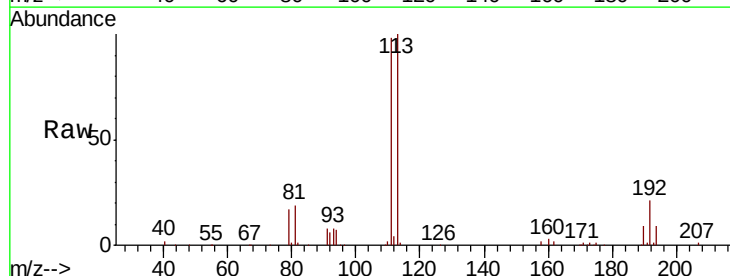
Delta R.T. 0.01 min

Lab File: VD067218.D

Acq: 09 Oct 2020 18:12

Tgt Ion:113 Resp: 252331

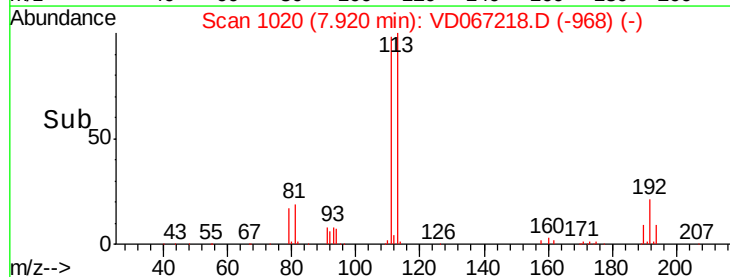
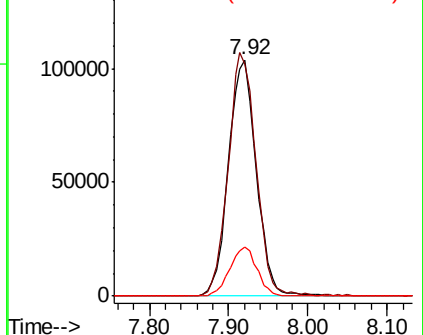
Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.0	124.4
192	20.4	15.5	23.3

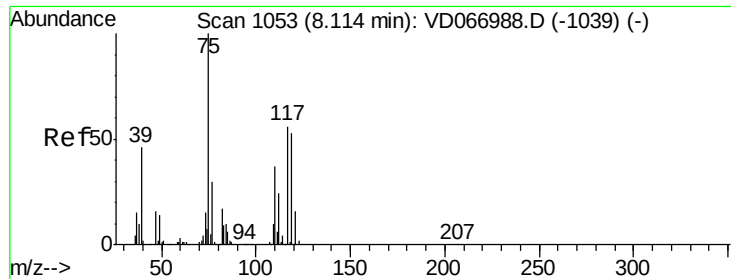


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.654 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067218.D

Acq: 09 Oct 2020 18:12

Instrument :

MSVOA_D

ClientSampleId :

11935

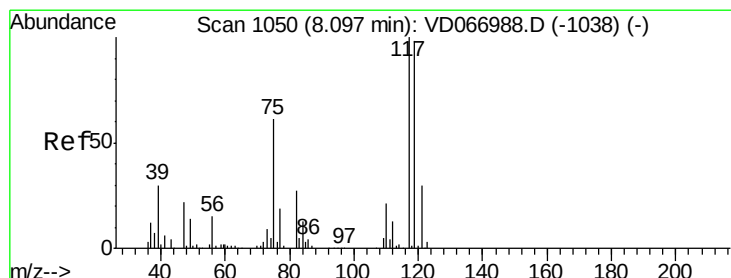
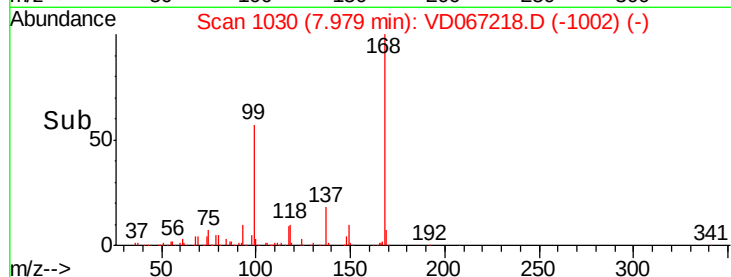
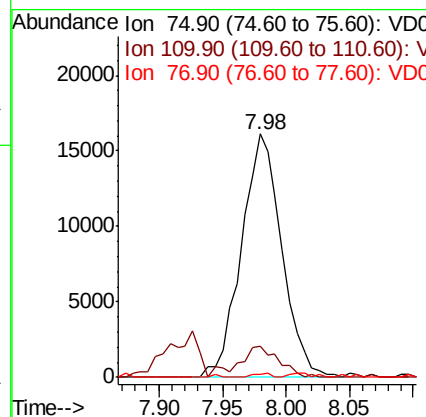
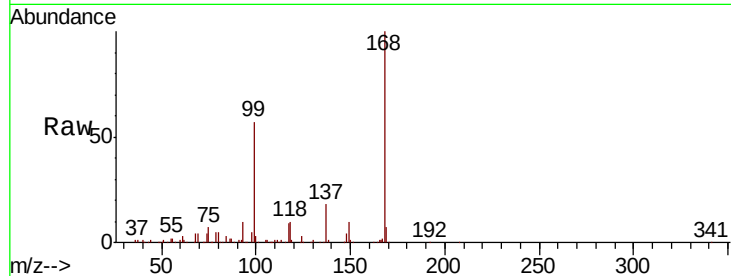
Tot Ion: 75 Resp: 35542

Ion Ratio Lower Upper

75 100

110 11.5 18.4 55.0#

77 0.7 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.990 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067218.D

Acq: 09 Oct 2020 18:12

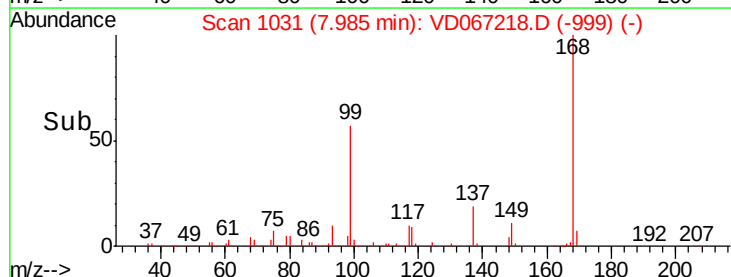
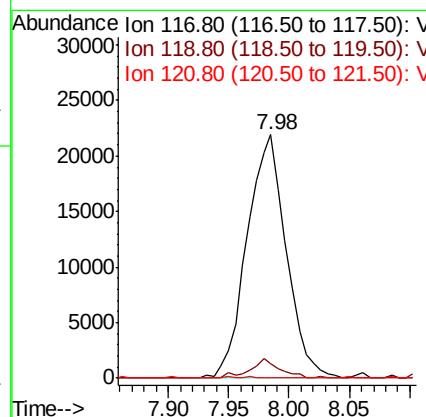
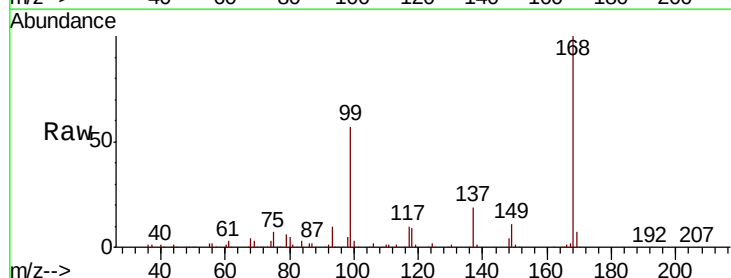
Tgt Ion: 117 Resp: 49497

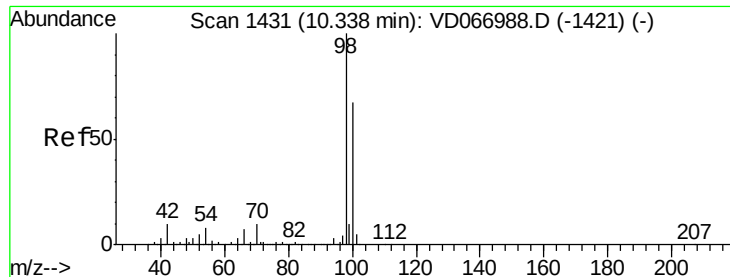
Ion Ratio Lower Upper

117 100

119 6.1 78.7 118.1#

121 0.0 24.2 36.2#

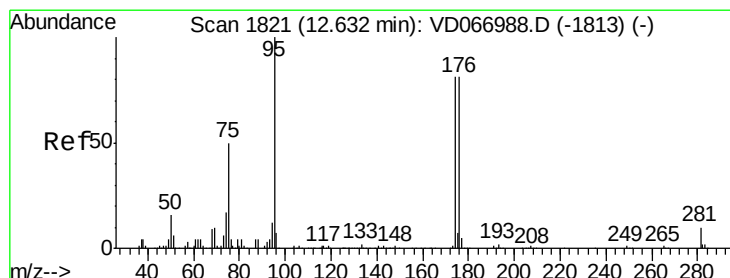
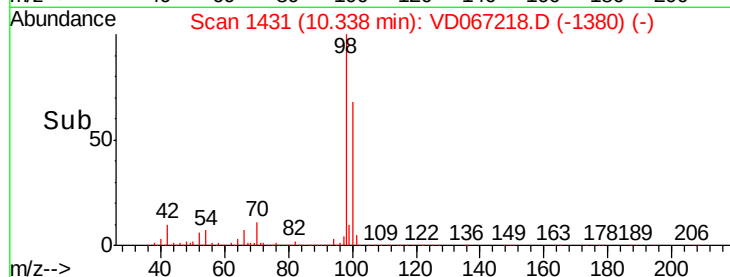
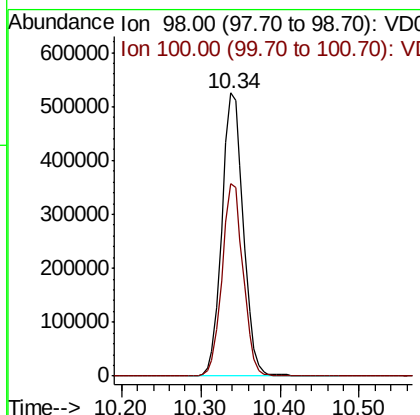
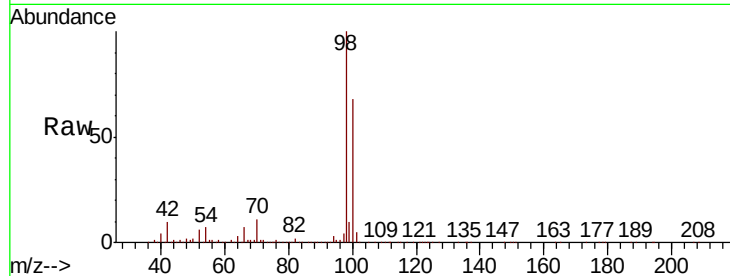




#50
Toluene-d8
Concen: 50.194 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067218.D
Acq: 09 Oct 2020 18:12

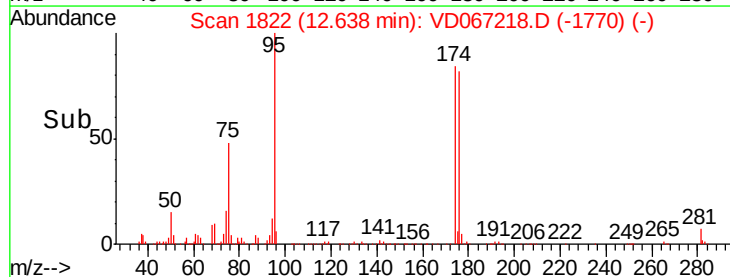
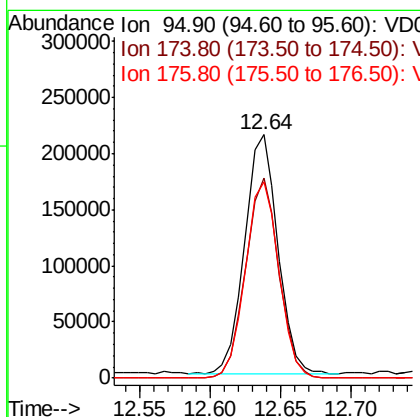
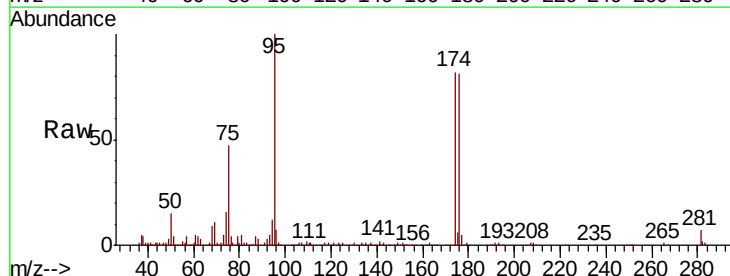
Instrument :
MSVOA_D
ClientSampleId :
11935

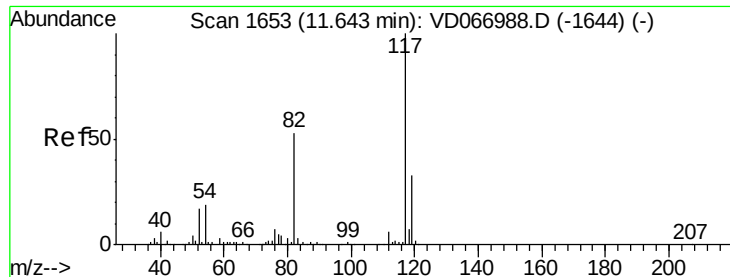
Tot Ion: 98 Resp: 981017
Ion Ratio Lower Upper
98 100
100 66.6 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 52.990 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067218.D
Acq: 09 Oct 2020 18:12

Tgt Ion: 95 Resp: 351585
Ion Ratio Lower Upper
95 100
174 83.7 0.0 167.6
176 83.0 0.0 162.4

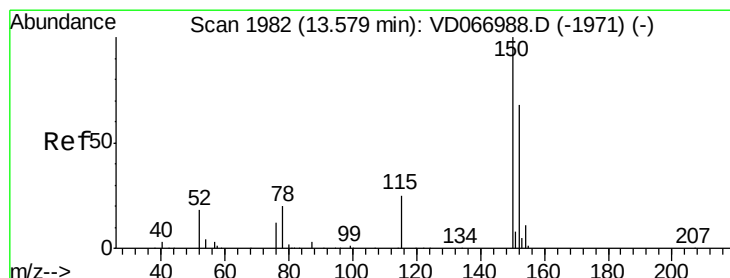
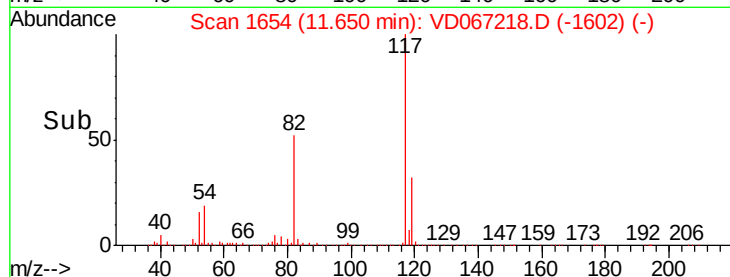
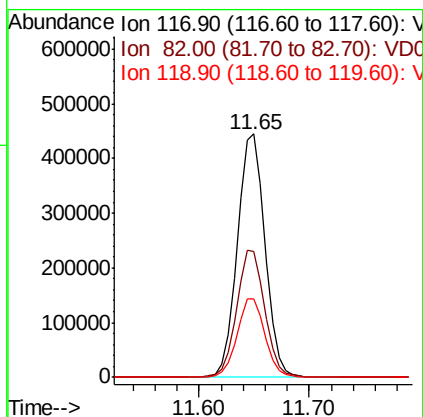
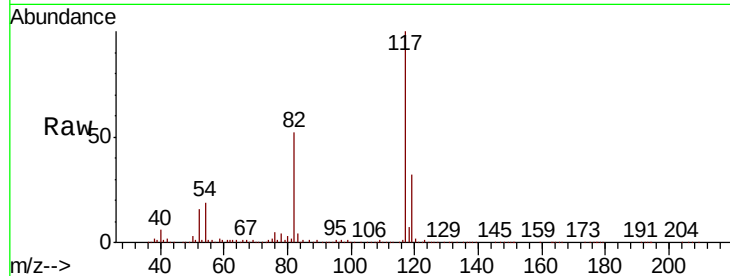




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067218.D
Acq: 09 Oct 2020 18:12

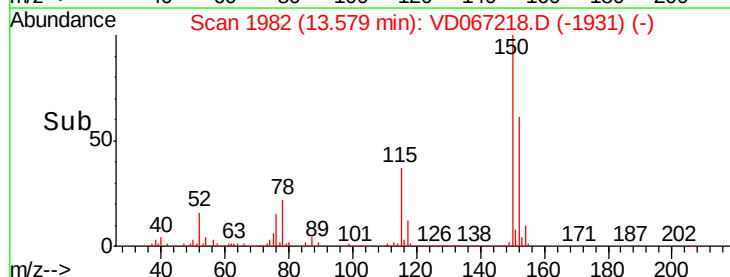
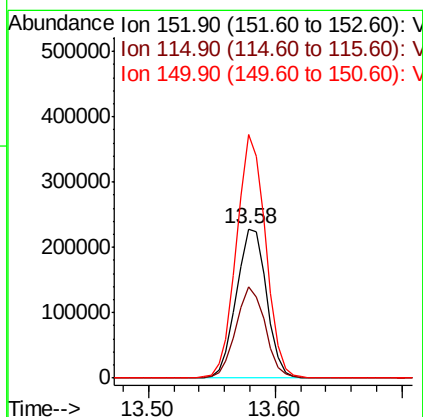
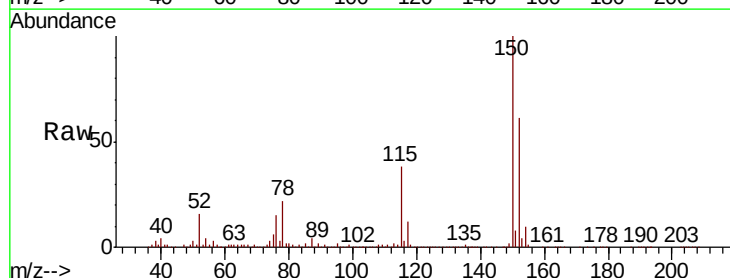
Instrument :
MSVOA_D
ClientSampleId :
11935

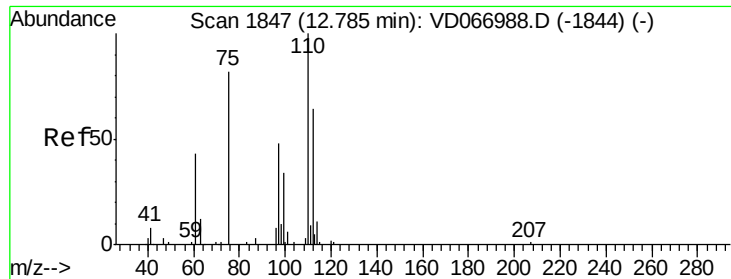
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.6	63.8
119	32.2	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067218.D
Acq: 09 Oct 2020 18:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.6	88.8
150	156.2	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 52.633 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067218.D

Acq: 09 Oct 2020 18:12

Instrument :

MSVOA_D

ClientSampleId :

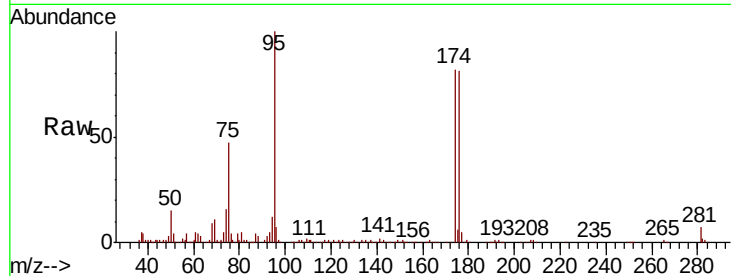
11935

Tot Ion: 75 Resp: 173103

Ion Ratio Lower Upper

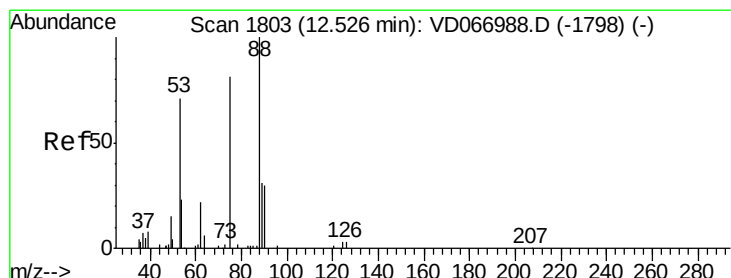
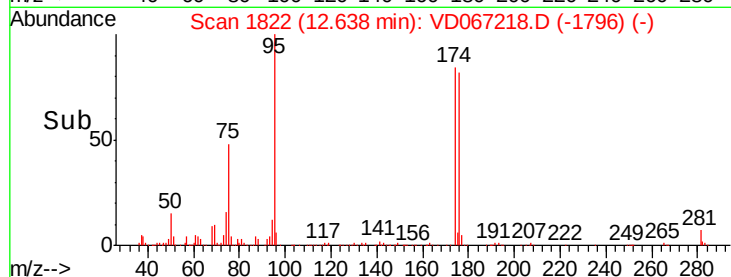
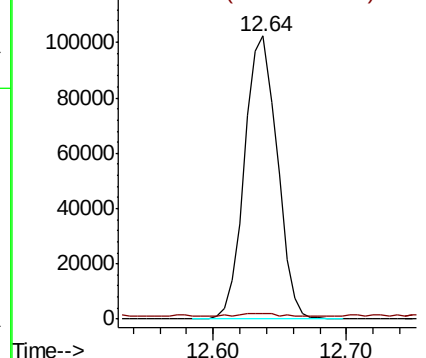
75 100

77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 131.222 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067218.D

Acq: 09 Oct 2020 18:12

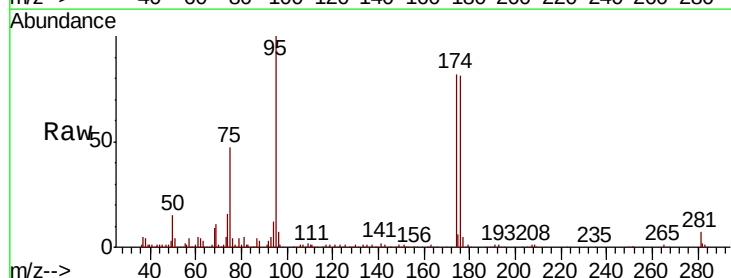
Tgt Ion: 75 Resp: 173103

Ion Ratio Lower Upper

75 100

53 0.7 73.8 110.6#

89 0.1 38.9 58.3#



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

