

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067110.D
 Acq On : 06 Oct 2020 16:17
 Operator : VA/SY
 Sample : L4272-33
 Misc : 8.15G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-4-(6.5)

Quant Time: Oct 07 01:11:44 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	400407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	686409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	634086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	295284	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	199909	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
35) Dibromofluoromethane	7.91	113	222539	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
50) Toluene-d8	10.34	98	797521	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.64	95	261880	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	

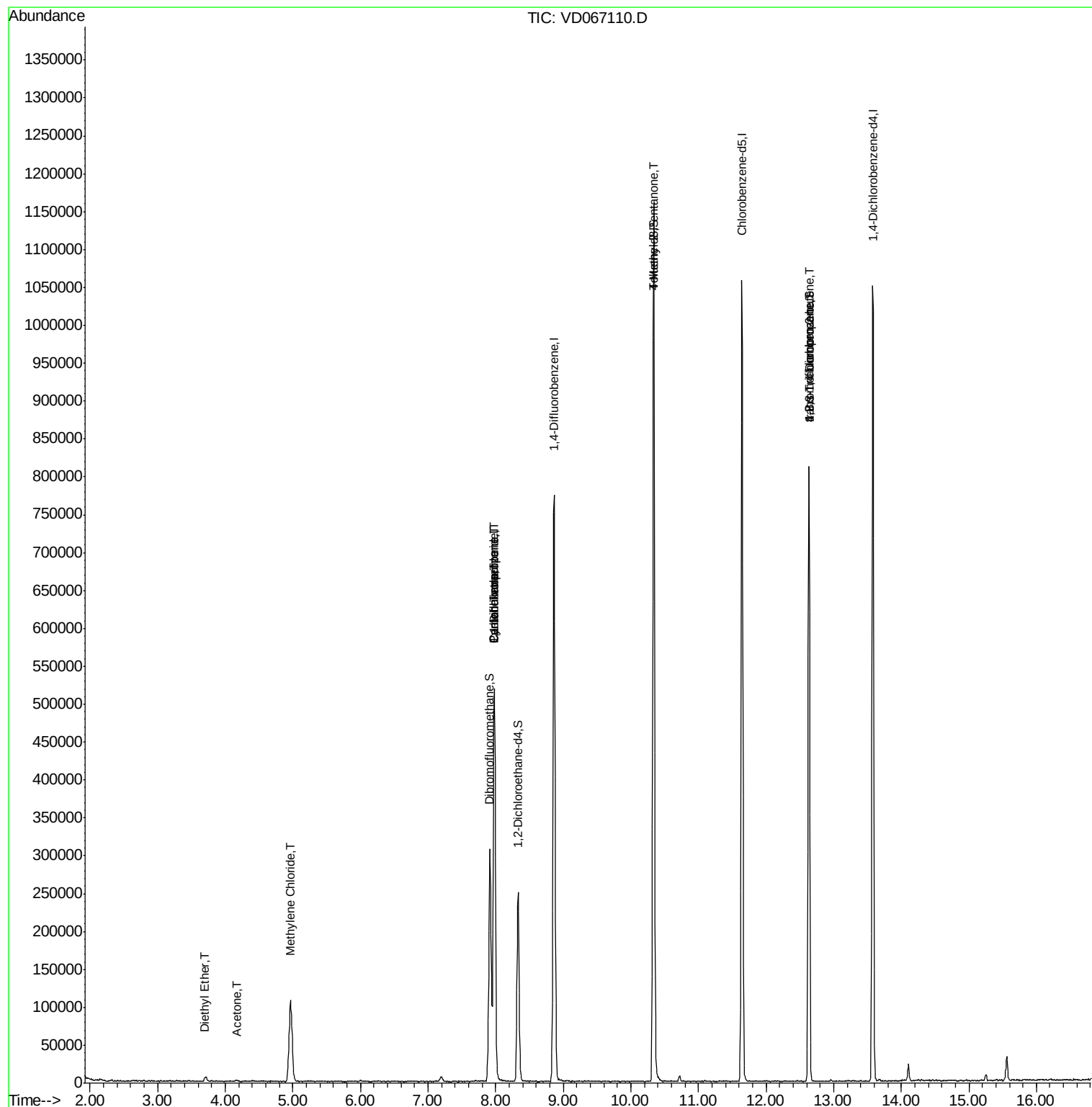
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	194	Below Cal	#	40
5) Bromomethane	2.79	94	171	Below Cal		99
8) Diethyl Ether	3.70	74	3863	2.193	ug/l	88
11) Tert butyl alcohol	5.23	59	396	Below Cal	#	72
16) Acetone	4.18	43	2141	3.637	ug/l #	42
20) Methylene Chloride	4.97	84	90777	16.915	ug/l	86
26) 2,2-Dichloropropane	7.21	77	296	Below Cal	#	53
31) Cyclohexane	7.97	56	7806	1.348	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	29780	4.655	ug/l #	44
38) Carbon Tetrachloride	7.98	117	40012	5.780	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	2812	1.383	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	132585	51.549	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	132585	128.518	ug/l #	12

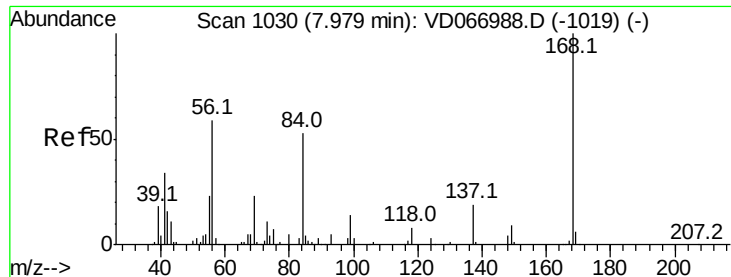
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067110.D

Acq: 06 Oct 2020 16:17

Instrument :

MSVOA_D

ClientSampleId :

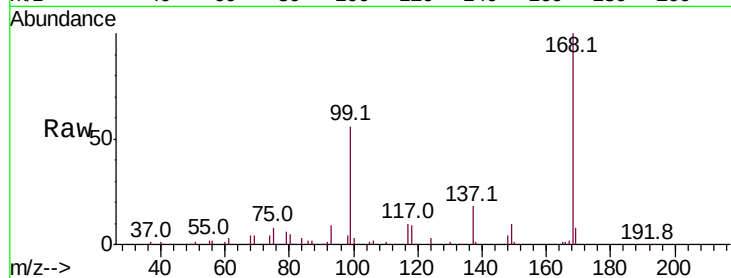
SC-4-(6.5)

Tot Ion:168 Resp: 400407

Ion Ratio Lower Upper

168 100

99 56.4 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

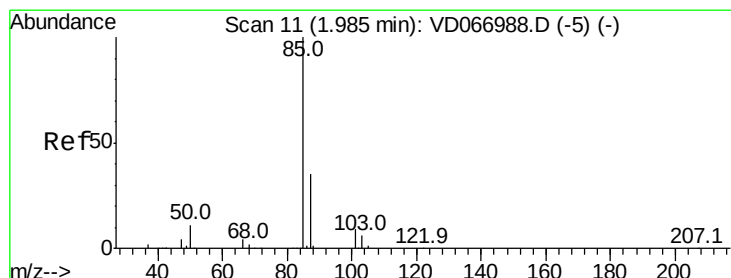
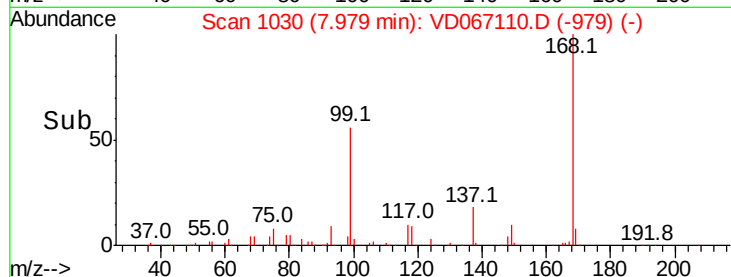
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067110.D

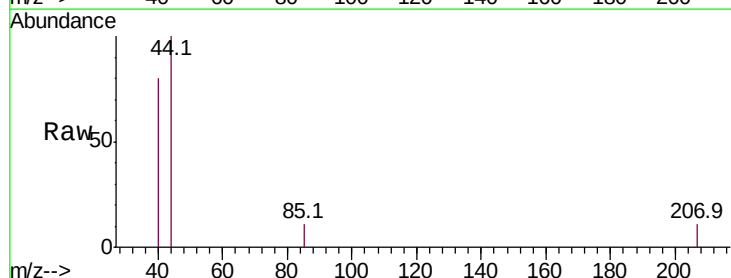
Acq: 06 Oct 2020 16:17

Tgt Ion: 85 Resp: 194

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

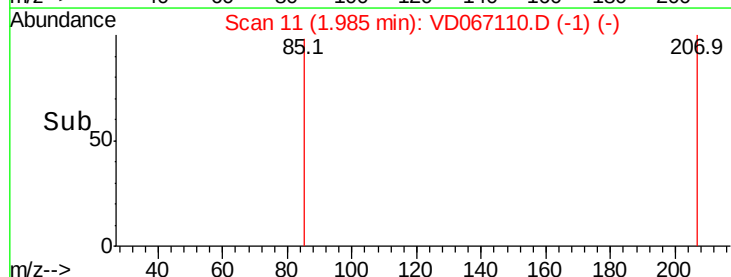
300

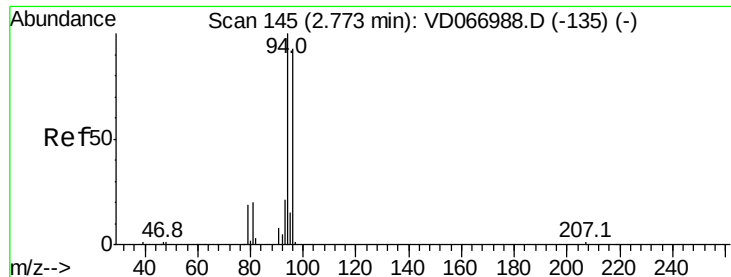
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD067110.D

Acq: 06 Oct 2020 16:17

Instrument :

MSVOA_D

ClientSampleId :

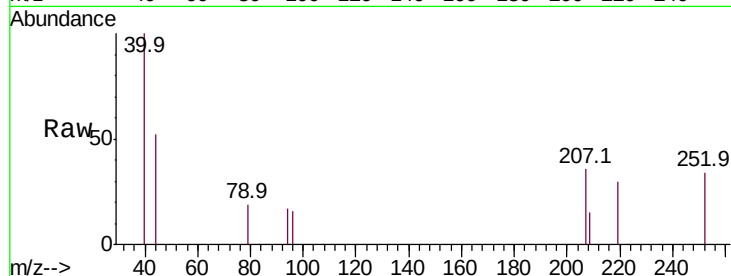
SC-4-(6.5)

Tot Ion: 94 Resp: 171

Ion Ratio Lower Upper

94 100

96 91.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

200

150

100

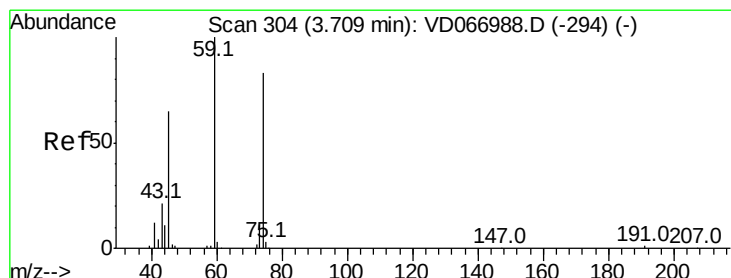
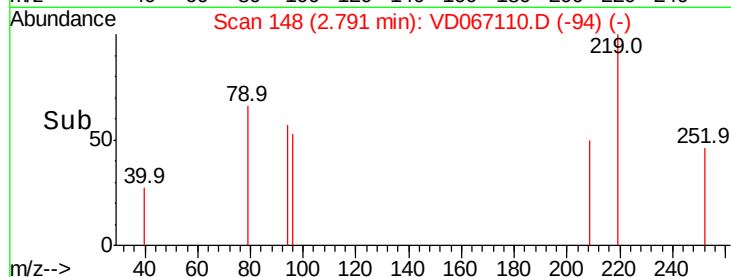
50

0

2.76 2.78 2.80 2.82

2.79

Time-->



#8

Diethyl Ether

Concen: 2.193 ug/l

RT: 3.70 min Scan# 302

Delta R.T. -0.01 min

Lab File: VD067110.D

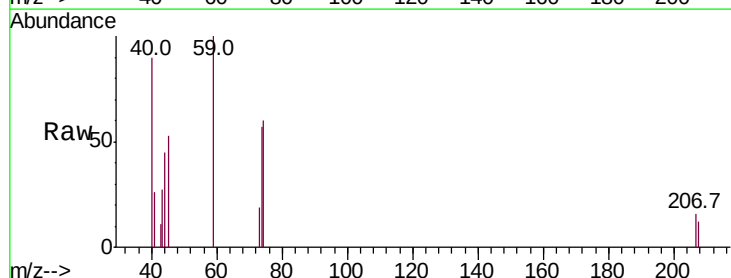
Acq: 06 Oct 2020 16:17

Tgt Ion: 74 Resp: 3863

Ion Ratio Lower Upper

74 100

45 75.3 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

2000

1500

1000

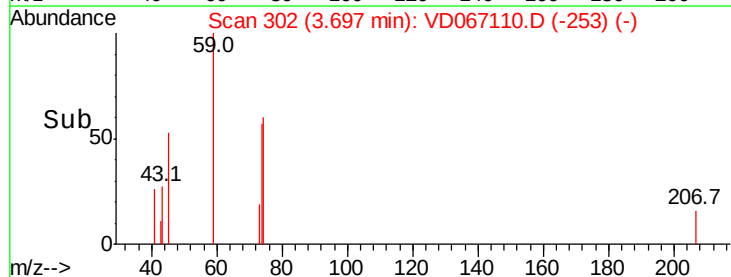
500

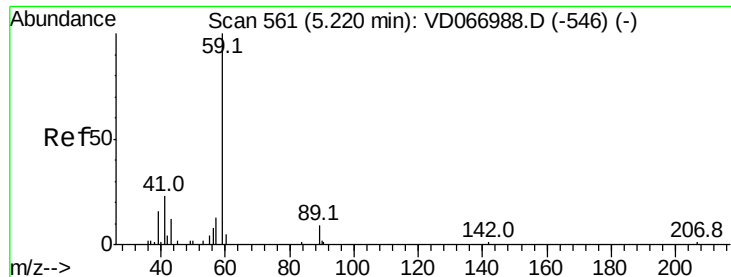
0

3.65 3.70 3.75

3.70

Time-->



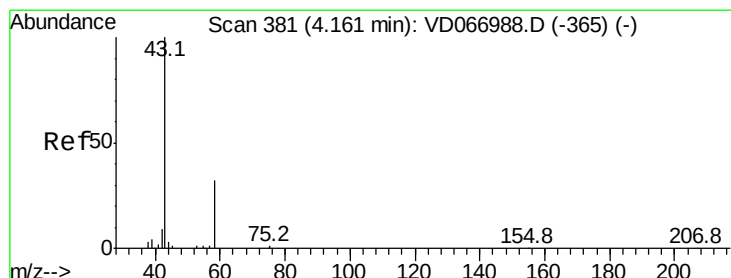
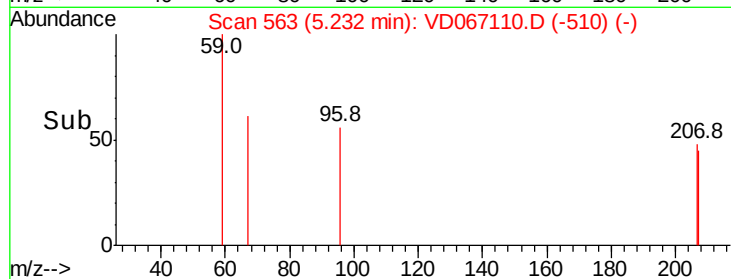
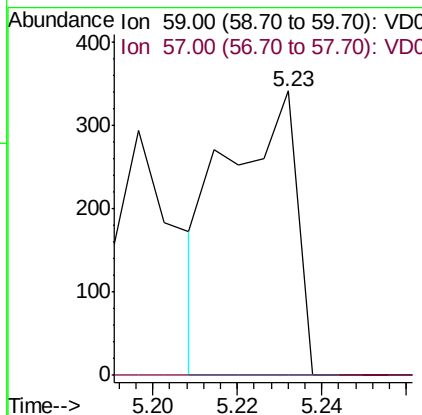
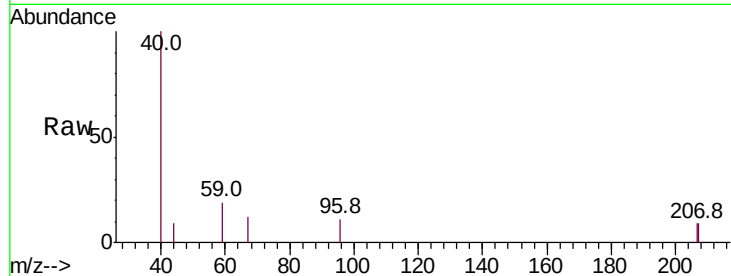


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD067110.D
Acq: 06 Oct 2020 16:17

Instrument :
MSVOA_D
ClientSampleId :
SC-4-(6.5)

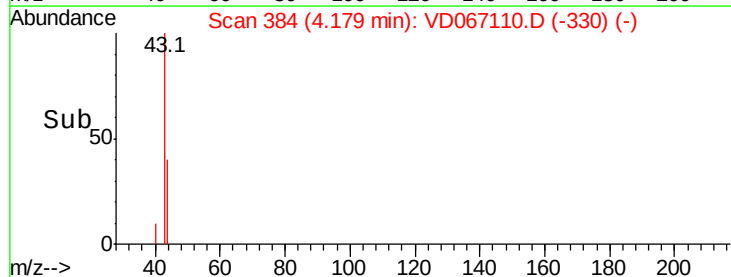
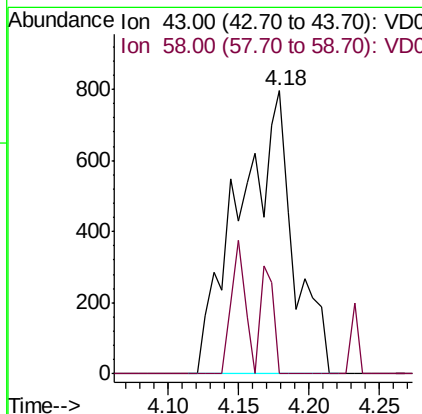
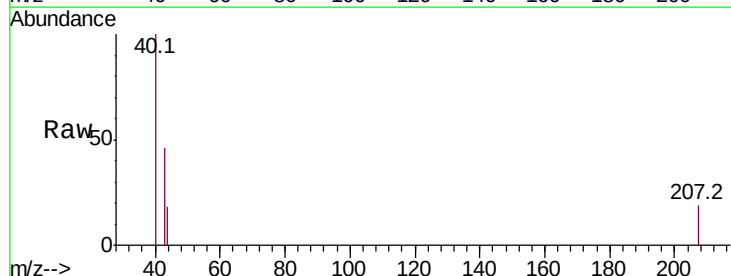
Tot Ion: 59 Resp: 396
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

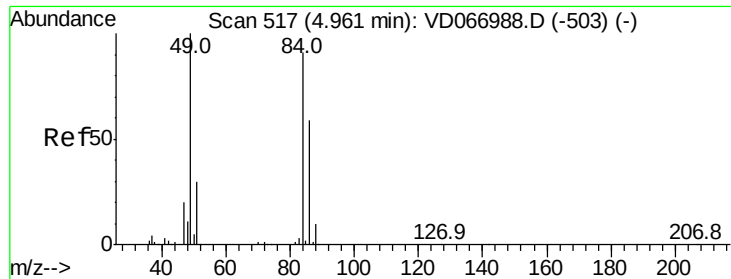


#16

Acetone
Concen: 3.637 ug/l
RT: 4.18 min Scan# 384
Delta R.T. 0.02 min
Lab File: VD067110.D
Acq: 06 Oct 2020 16:17

Tgt Ion: 43 Resp: 2141
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#

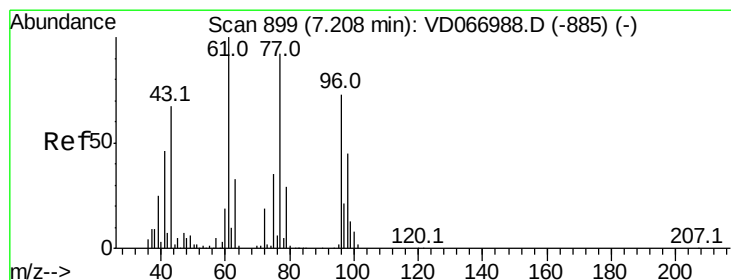
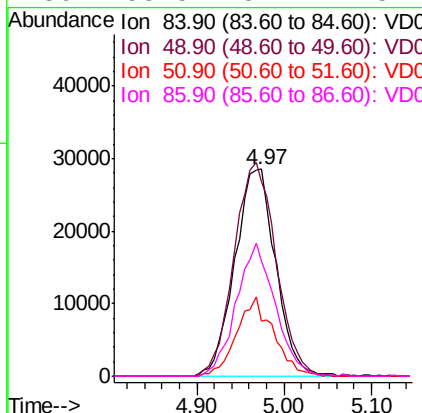
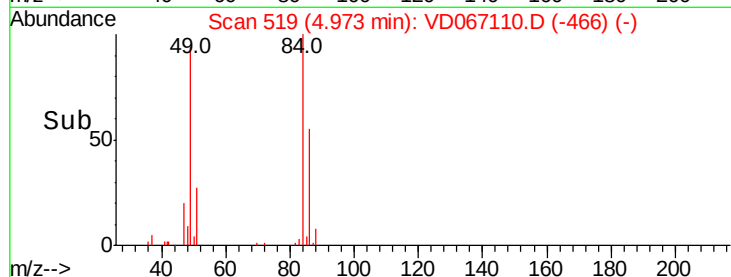
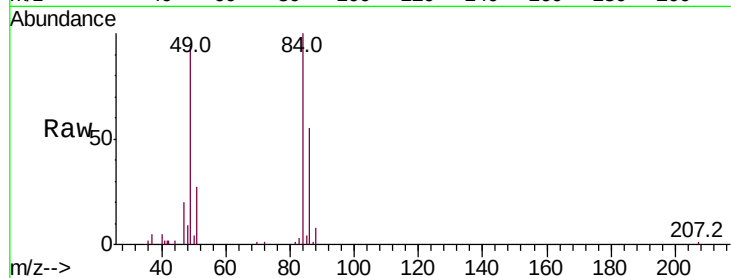




#20
Methvlene Chloride
Concen: 16.915 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067110.D
Acq: 06 Oct 2020 16:17

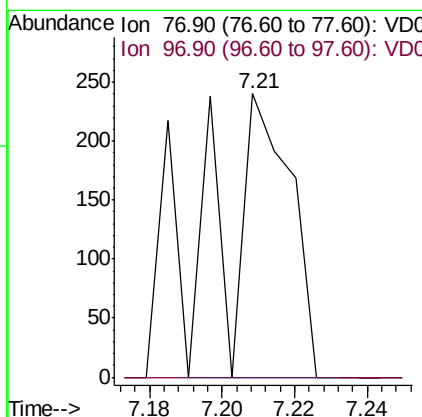
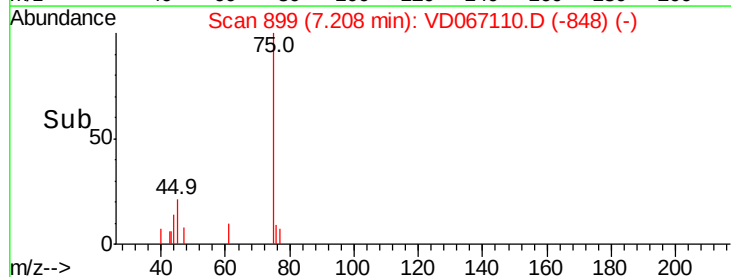
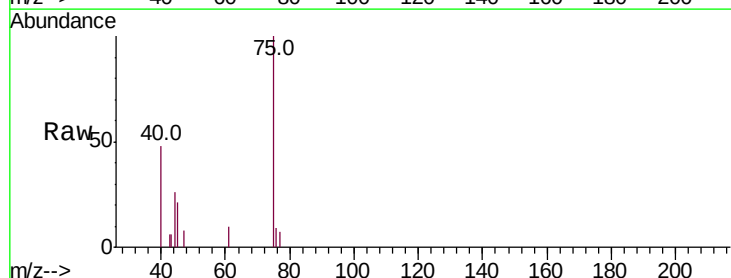
Instrument :
MSVOA_D
ClientSampleId :
SC-4-(6.5)

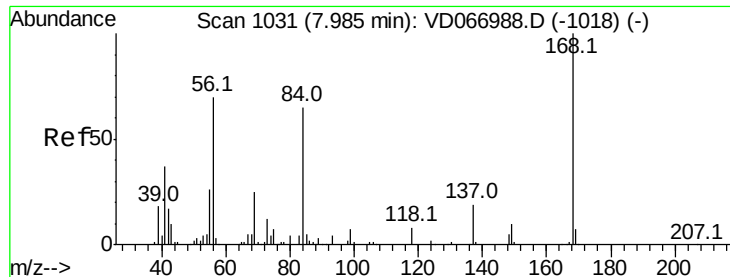
Tot Ion: 84 Resp: 90777
Ion Ratio Lower Upper
84 100
49 94.0 88.2 132.2
51 26.9 26.6 39.8
86 55.5 52.1 78.1



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067110.D
Acq: 06 Oct 2020 16:17

Tgt Ion: 77 Resp: 296
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#

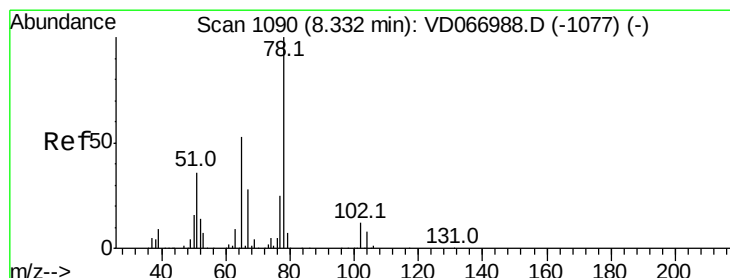
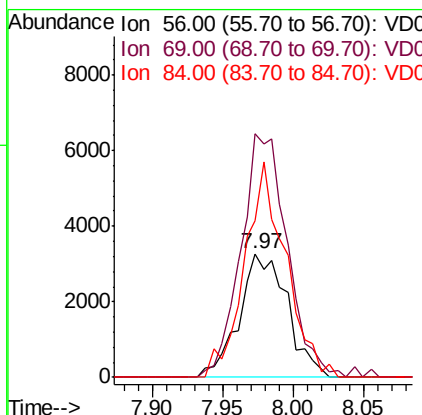
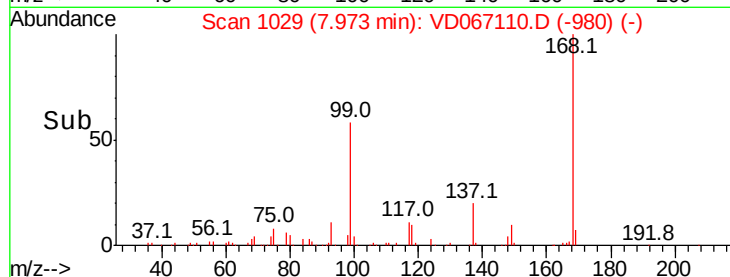
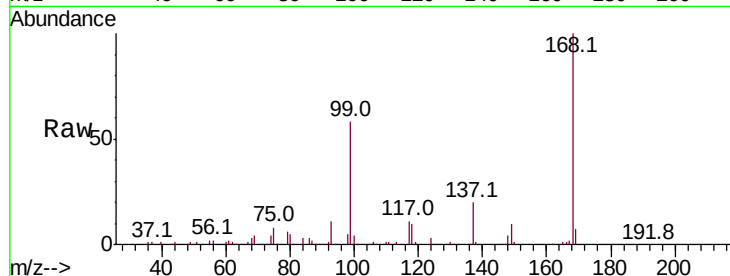




#31
Cyclohexane
Concen: 1.348 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067110.D
Acq: 06 Oct 2020 16:17

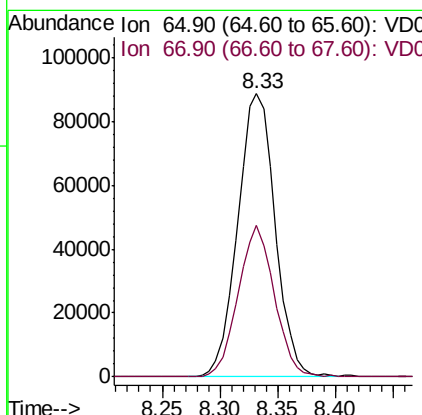
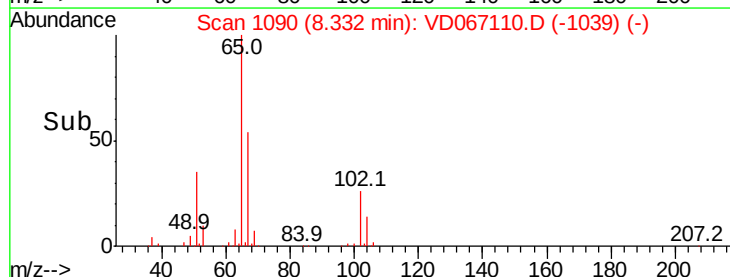
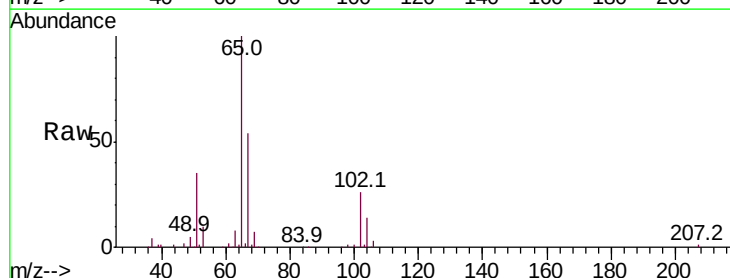
Instrument :
MSVOA_D
ClientSampleId :
SC-4-(6.5)

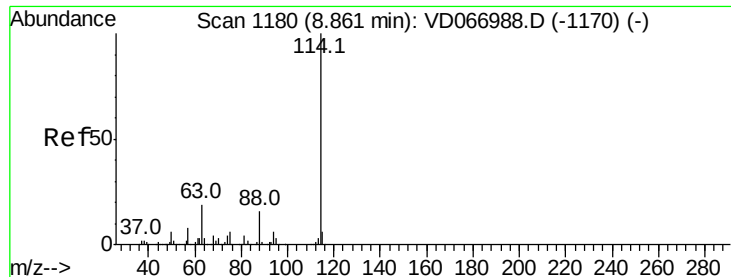
Tot Ion: 56 Resp: 7806
Ion Ratio Lower Upper
56 100
69 196.5 29.0 43.6#
84 126.3 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 51.834 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067110.D
Acq: 06 Oct 2020 16:17

Tgt Ion: 65 Resp: 199909
Ion Ratio Lower Upper
65 100
67 51.7 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

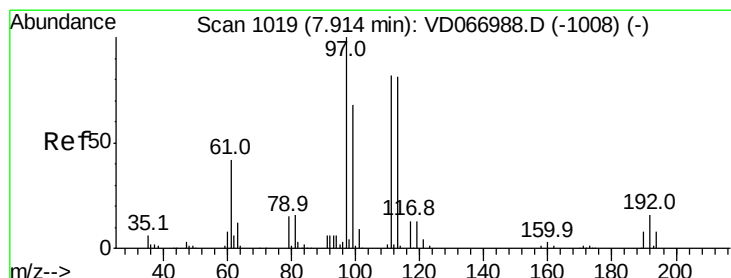
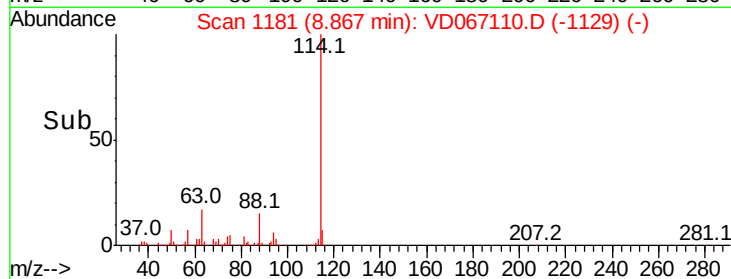
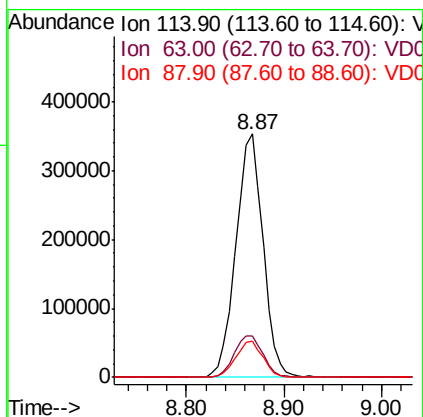
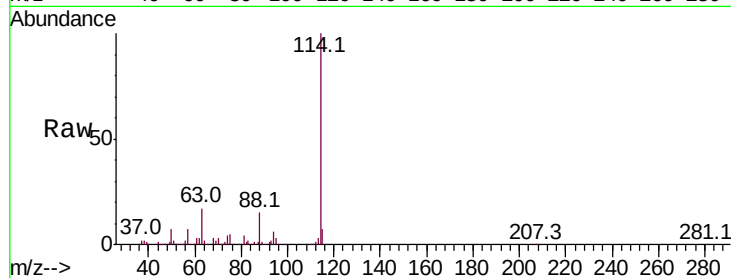
Lab File: VD067110.D

Acq: 06 Oct 2020 16:17

Instrument :
MSVOA_D
ClientSampleId :
SC-4-(6.5)

Tot Ion:114 Resp: 686409

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	38.4
88	15.0	0.0	31.2



#35

Dibromofluoromethane

Concen: 49.521 ug/l

RT: 7.91 min Scan# 1019

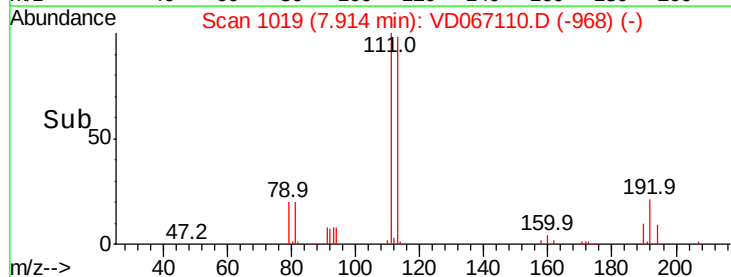
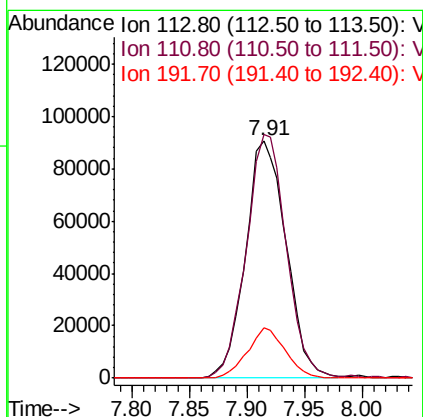
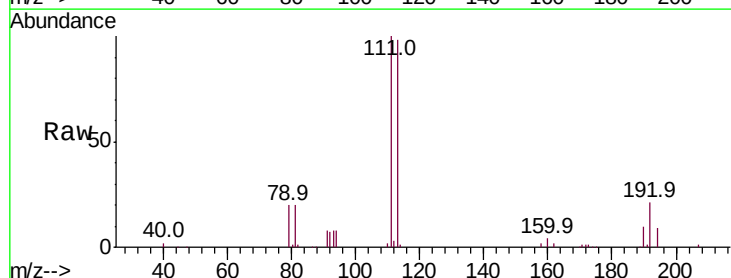
Delta R.T. 0.00 min

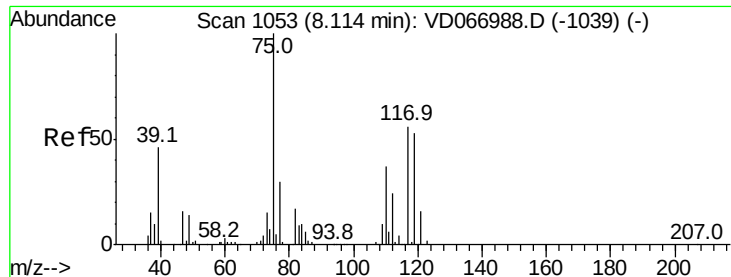
Lab File: VD067110.D

Acq: 06 Oct 2020 16:17

Tgt Ion:113 Resp: 222539

Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.0	124.4
192	19.8	15.5	23.3





#36

1,1-Dichloropropene

Concen: 4.655 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067110.D

Acq: 06 Oct 2020 16:17

Instrument :

MSVOA_D

ClientSampled :

SC-4-(6.5)

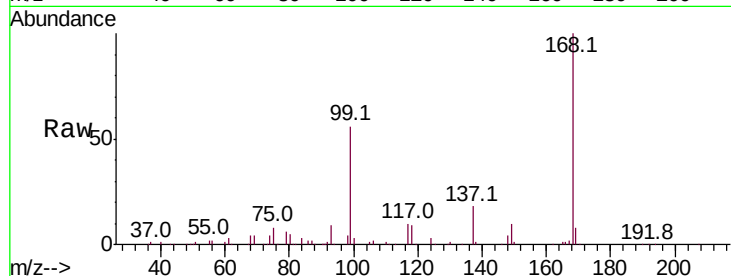
Tot Ion: 75 Resp: 29780

Ion Ratio Lower Upper

75 100

110 3.1 18.4 55.0#

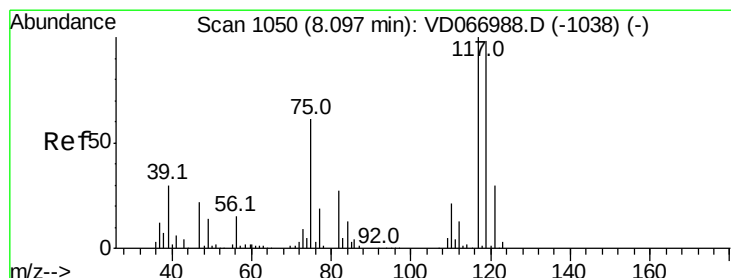
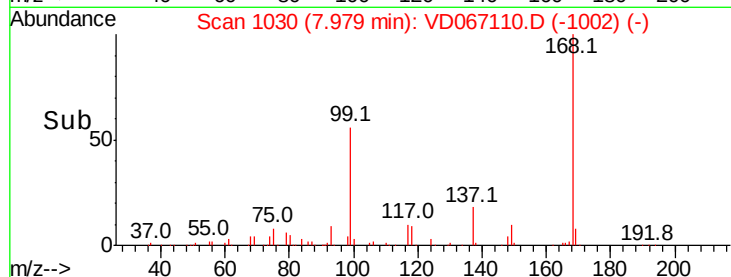
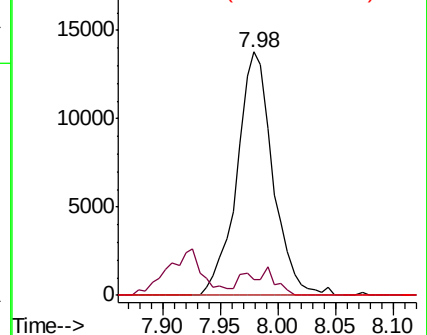
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 5.780 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067110.D

Acq: 06 Oct 2020 16:17

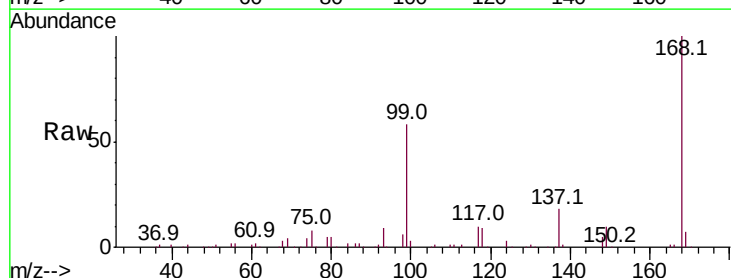
Tgt Ion: 117 Resp: 40012

Ion Ratio Lower Upper

117 100

119 3.7 78.7 118.1#

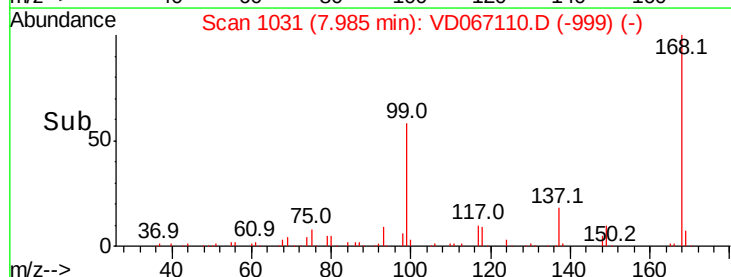
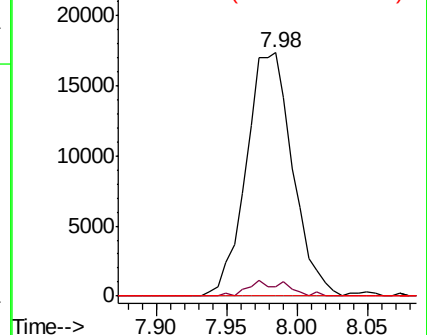
121 0.0 24.2 36.2#

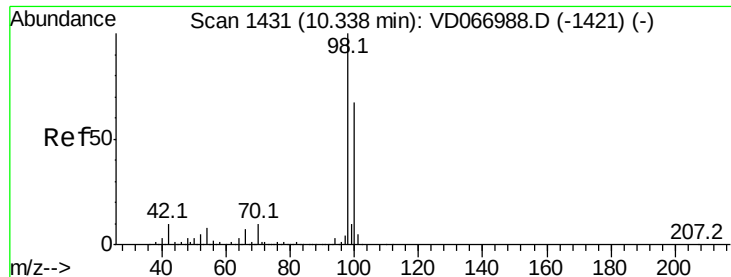


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

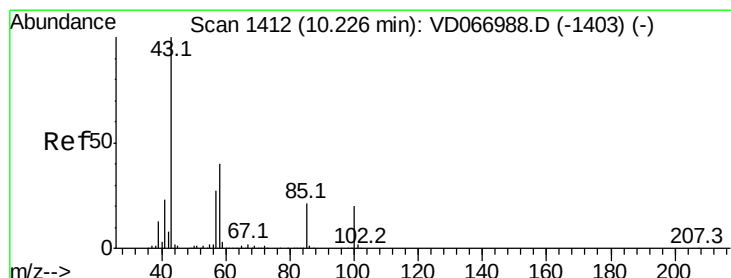
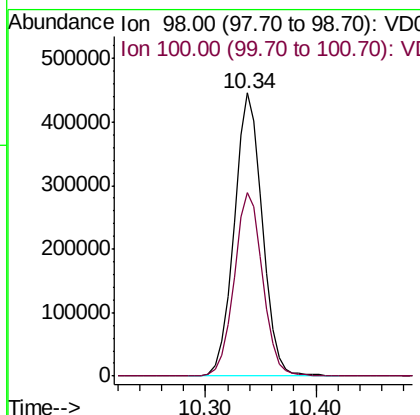
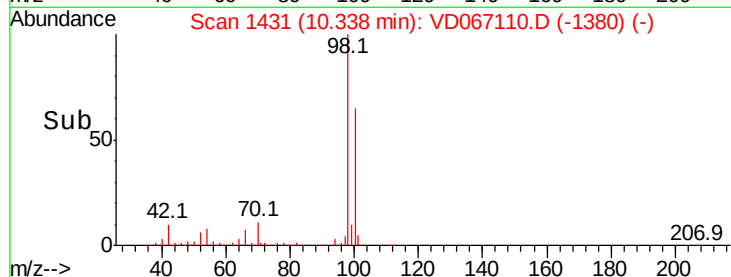
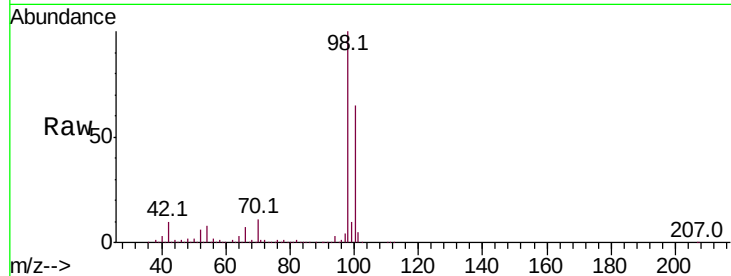




#50
Toluene-d8
Concen: 48.704 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067110.D
Acq: 06 Oct 2020 16:17

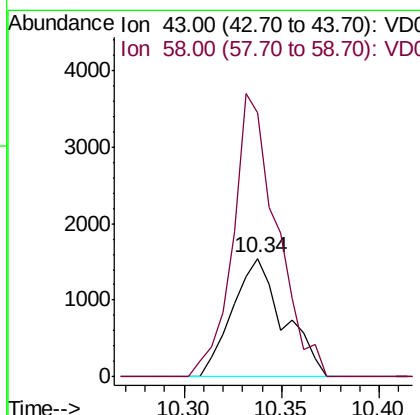
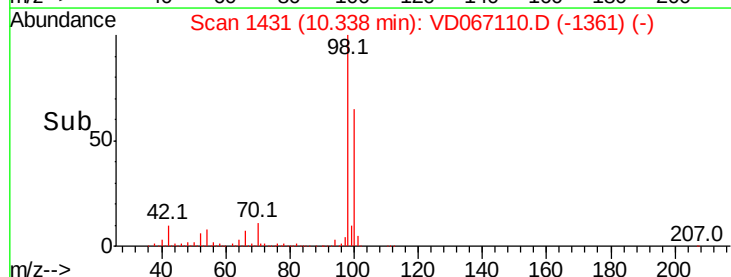
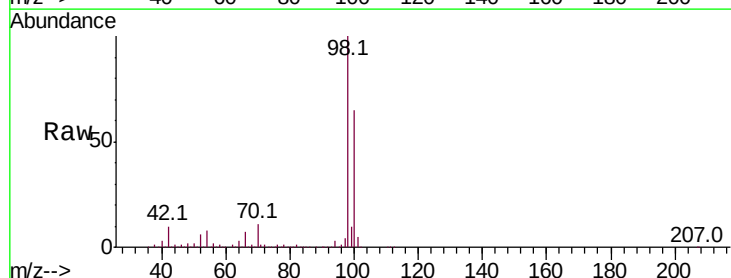
Instrument :
MSVOA_D
ClientSampleId :
SC-4-(6.5)

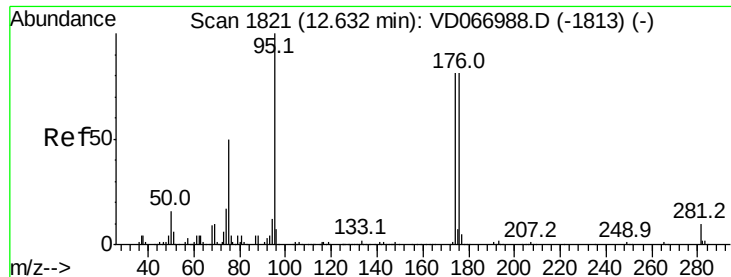
Tot Ion: 98 Resp: 797521
Ion Ratio Lower Upper
98 100
100 65.6 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.383 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD067110.D
Acq: 06 Oct 2020 16:17

Tgt Ion: 43 Resp: 2812
Ion Ratio Lower Upper
43 100
58 205.4 33.8 50.8#

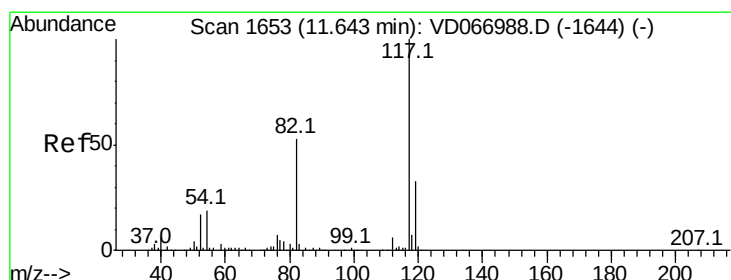
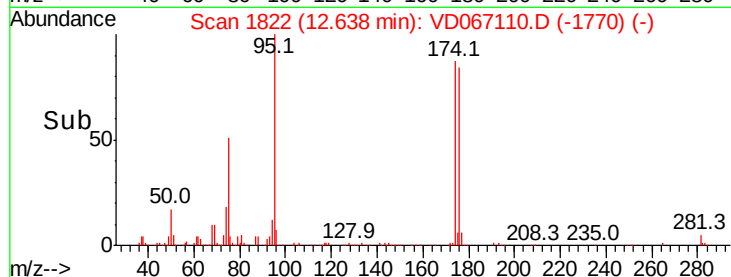
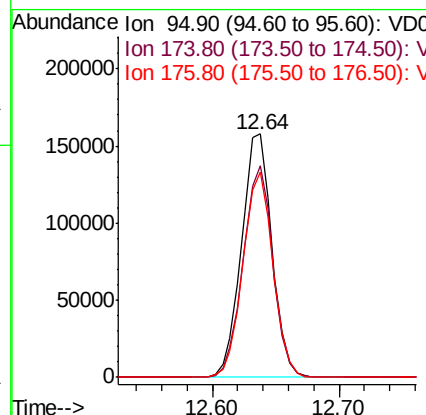
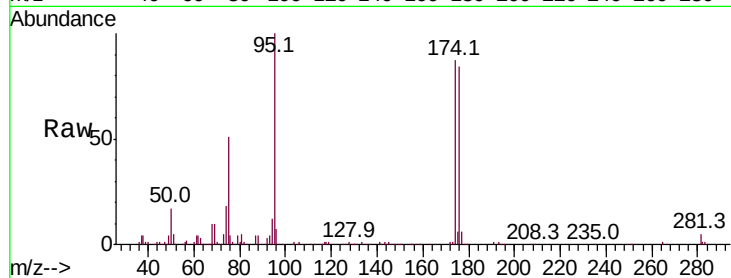




#62
4-Bromofluorobenzene
Concen: 47.110 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067110.D
Acq: 06 Oct 2020 16:17

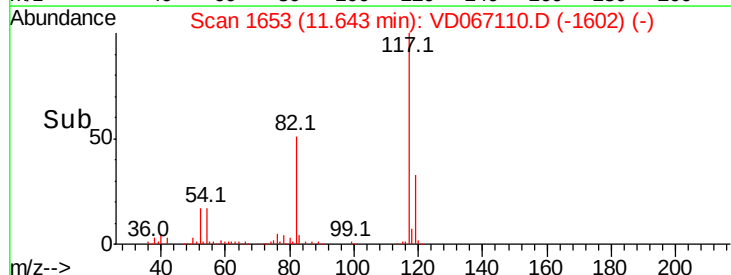
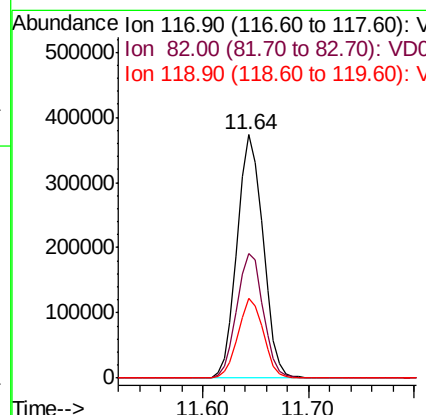
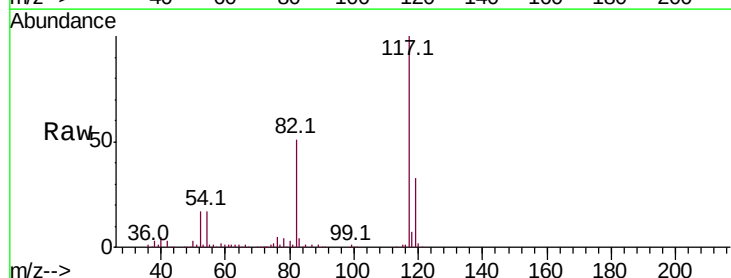
Instrument :
MSVOA_D
ClientSampleId :
SC-4-(6.5)

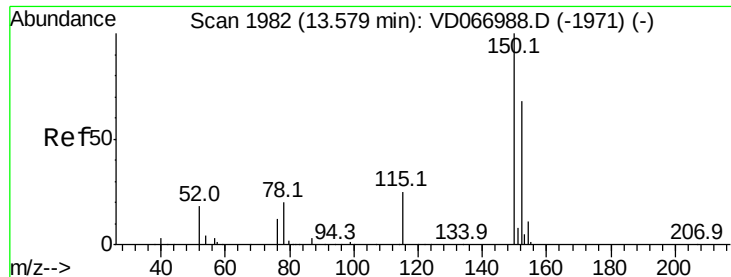
Tot Ion: 95 Resp: 261880
Ion Ratio Lower Upper
95 100
174 85.1 0.0 167.6
176 83.1 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067110.D
Acq: 06 Oct 2020 16:17

Tgt Ion: 117 Resp: 634086
Ion Ratio Lower Upper
117 100
82 51.4 42.6 63.8
119 33.0 26.3 39.5

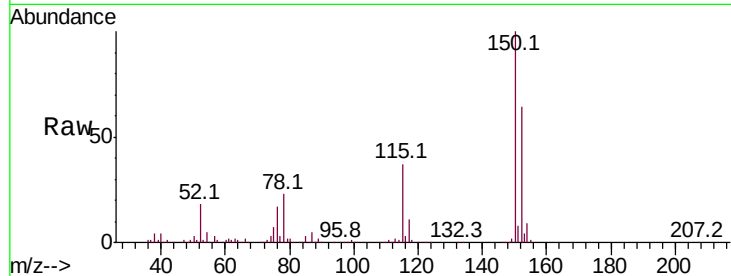




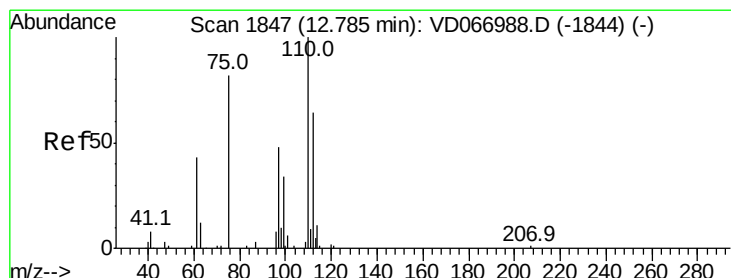
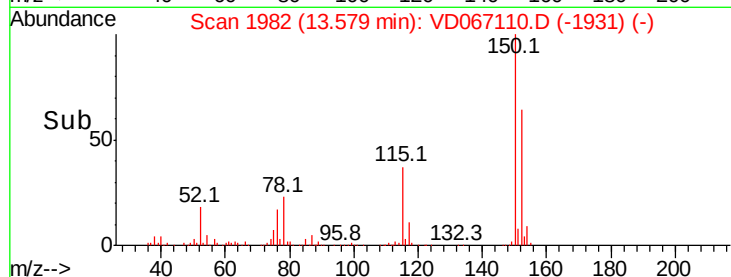
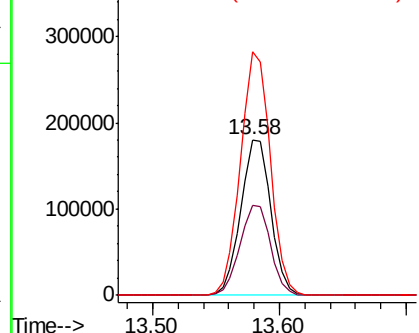
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VD067110.D
 Acq: 06 Oct 2020 16:17

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-4-(6.5)

Tot Ion:152 Resp: 295284
 Ion Ratio Lower Upper
 152 100
 115 59.1 29.6 88.8
 150 156.2 0.0 344.8

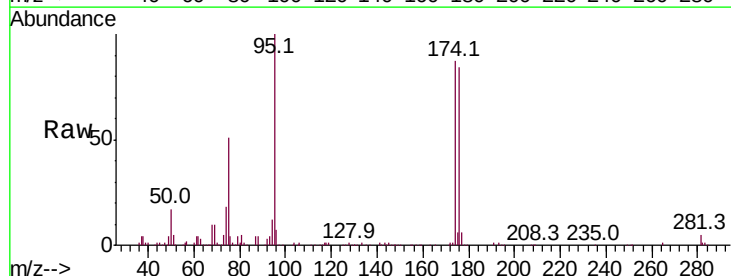


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

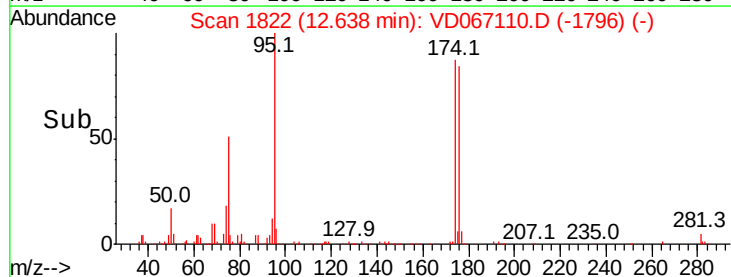
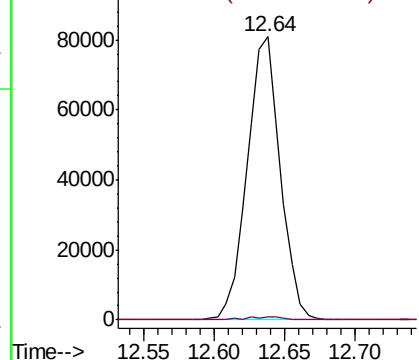


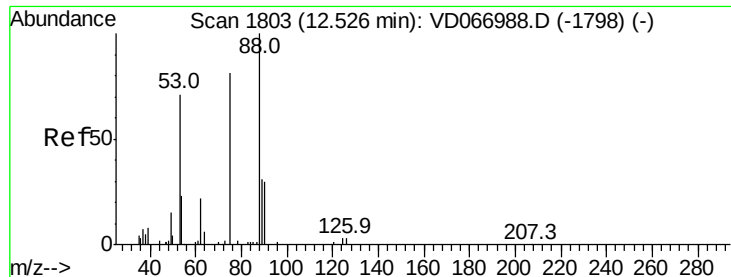
#76
 1,2,3-Trichloropropane
 Concen: 51.549 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067110.D
 Acq: 06 Oct 2020 16:17

Tgt Ion: 75 Resp: 132585
 Ion Ratio Lower Upper
 75 100
 77 1.2 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: 128.518 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067110.D

Acq: 06 Oct 2020 16:17

Instrument :

MSVOA_D

ClientSampleId :

SC-4-(6.5)

Tot Ion: 75 Resp: 132585

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.2 38.9 58.3#

