

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067107.D
 Acq On : 06 Oct 2020 14:55
 Operator : VA/SY
 Sample : L4272-24
 Misc : 7.63G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-1-(6.5)

Quant Time: Oct 07 01:11:16 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

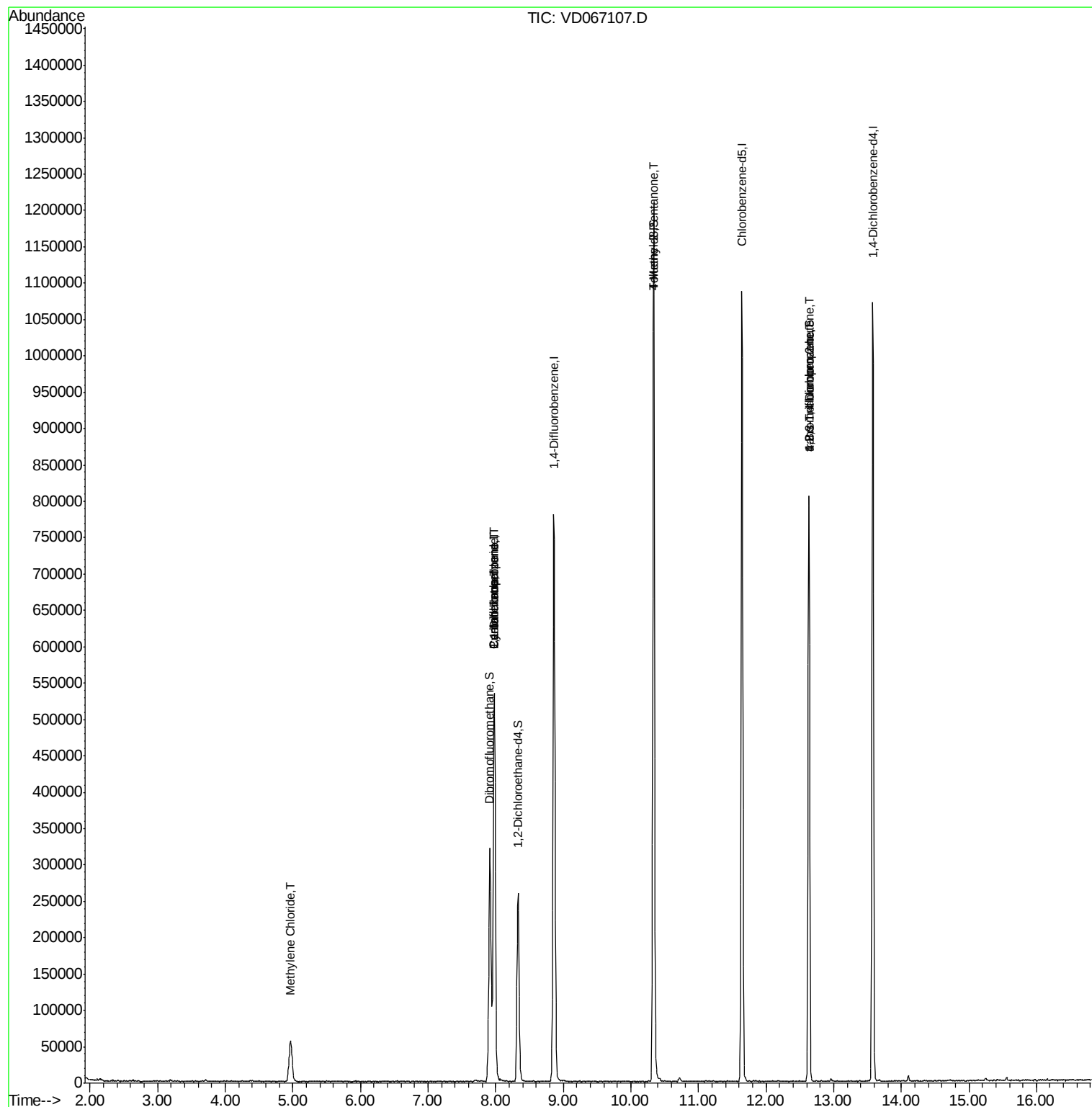
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	408640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	698015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	648183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	297258	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	211392	53.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.42%	
35) Dibromofluoromethane	7.91	113	229416	50.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.40%	
50) Toluene-d8	10.34	98	822889	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.63	95	269008	47.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.18%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	166	Below Cal	#	40
5) Bromomethane	2.77	94	82	Below Cal	#	3
20) Methylene Chloride	4.96	84	49383	5.041	ug/l #	84
26) 2,2-Dichloropropane	7.20	77	65	Below Cal	#	53
31) Cyclohexane	7.97	56	8228	1.392	ug/l #	30
36) 1,1-Dichloropropene	7.98	75	30022	4.614	ug/l #	50
38) Carbon Tetrachloride	7.98	117	42134	5.985	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	3276	1.584	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	133660	51.622	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	133660	128.700	ug/l #	12

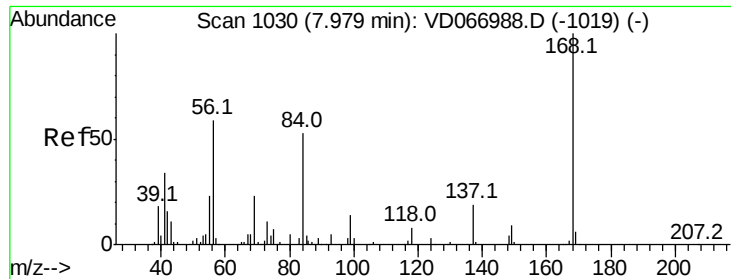
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 07 01:11:16 2020
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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: VD067107.D

Acq: 06 Oct 2020 14:55

Instrument :

MSVOA_D

ClientSampleId :

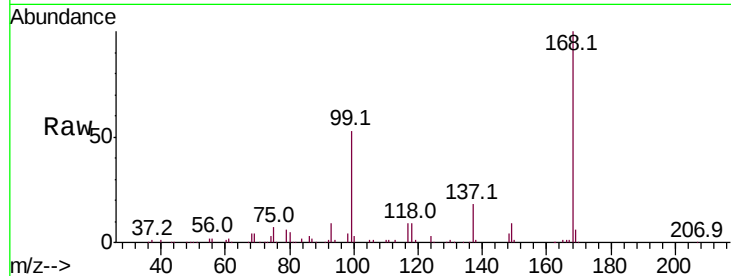
SC-1-(6.5)

Tot Ion:168 Resp: 408640

Ion Ratio Lower Upper

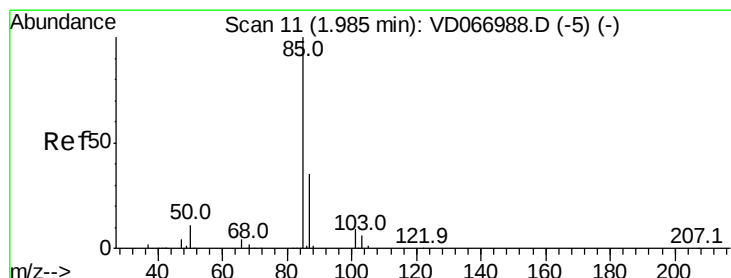
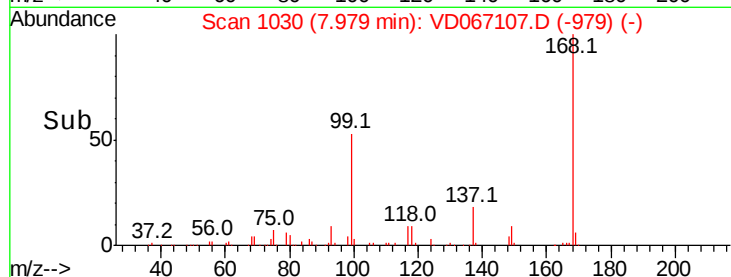
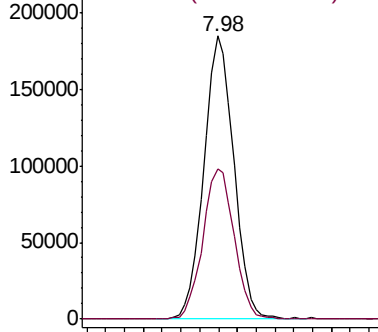
168 100

99 52.9 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067107.D

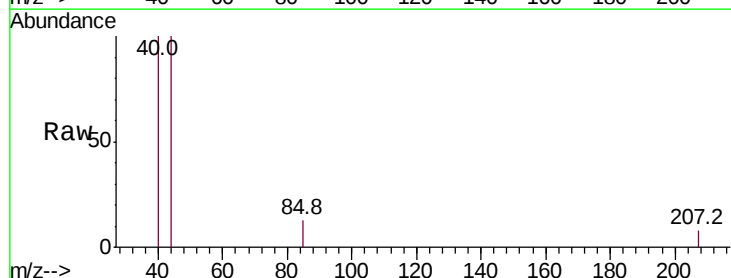
Acq: 06 Oct 2020 14:55

Tgt Ion: 85 Resp: 166

Ion Ratio Lower Upper

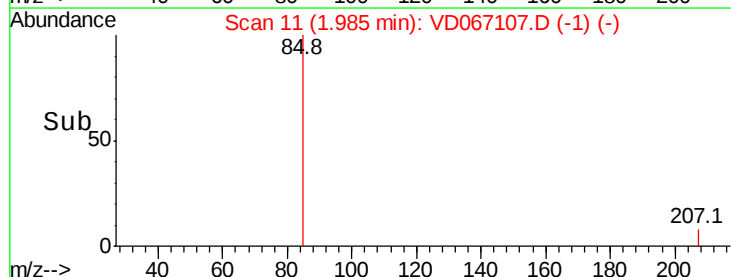
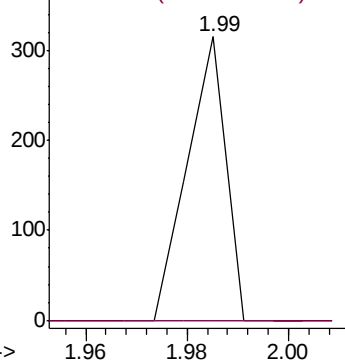
85 100

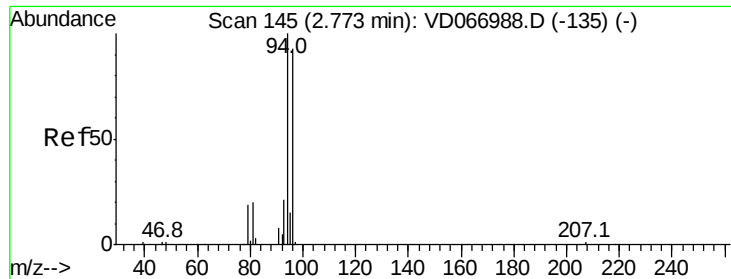
87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067107.D

Acq: 06 Oct 2020 14:55

Instrument :

MSVOA_D

ClientSampleId :

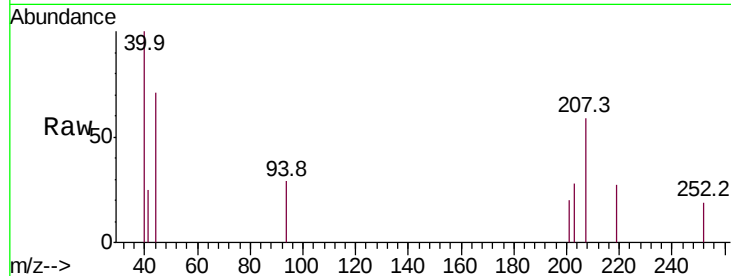
SC-1-(6.5)

Tot Ion: 94 Resp: 82

Ion Ratio Lower Upper

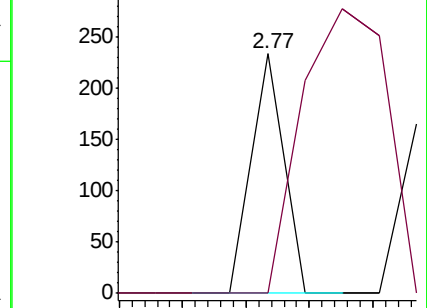
94 100

96 0.0 74.6 112.0#

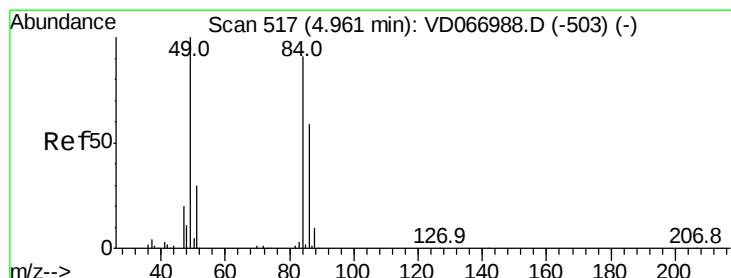
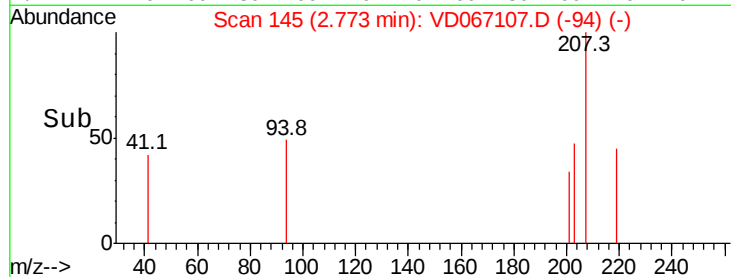


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#20

Methylene Chloride

Concen: 5.041 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067107.D

Acq: 06 Oct 2020 14:55

Tgt Ion: 84 Resp: 49383

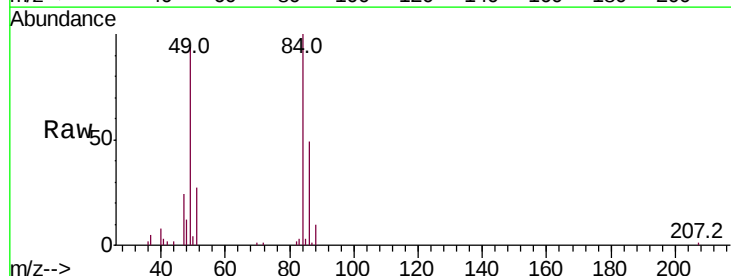
Ion Ratio Lower Upper

84 100

49 94.3 88.2 132.2

51 26.6 26.6 39.8

86 49.2 52.1 78.1#

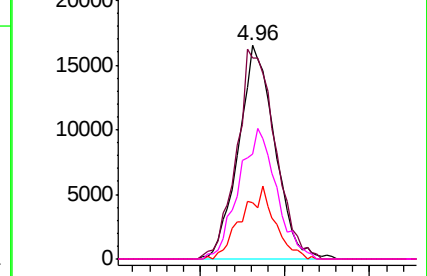


Abundance Ion 83.90 (83.60 to 84.60): VDC

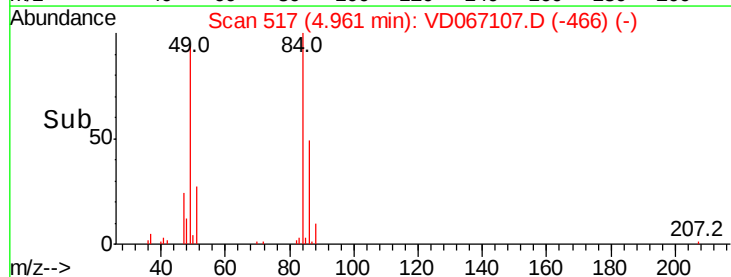
Ion 48.90 (48.60 to 49.60): VDC

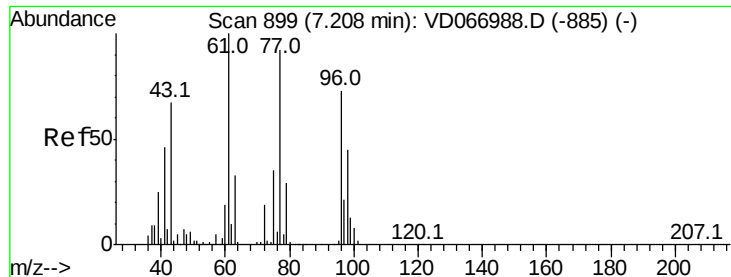
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



Time-->

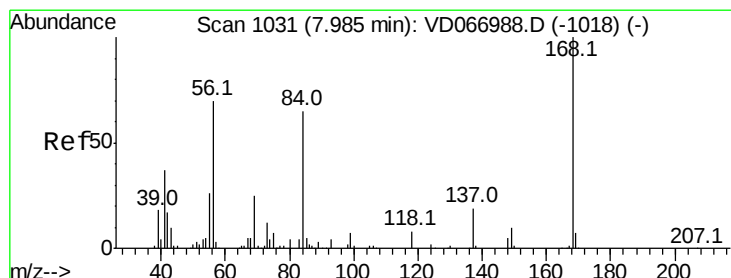
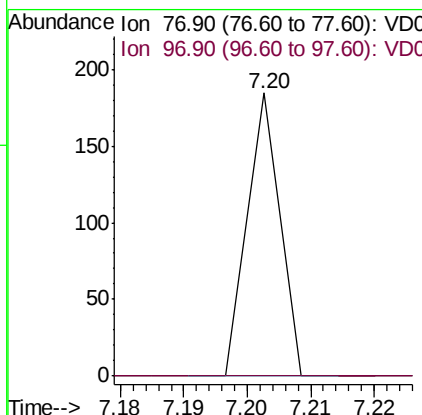
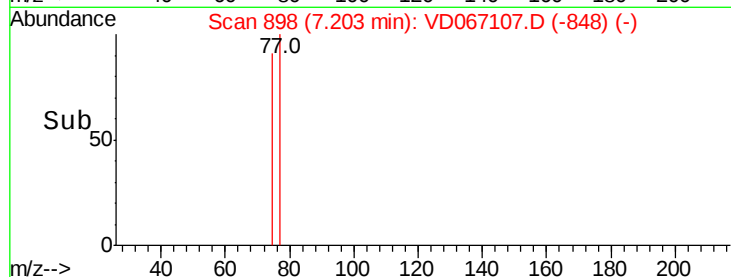
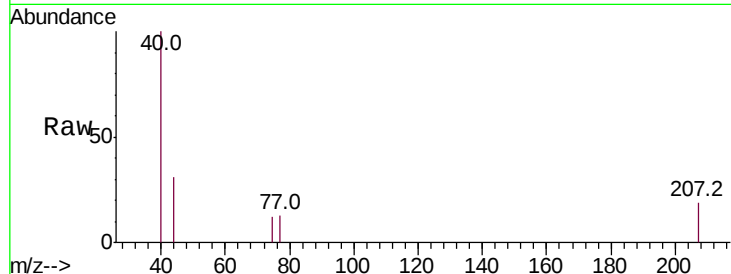




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067107.D
Acq: 06 Oct 2020 14:55

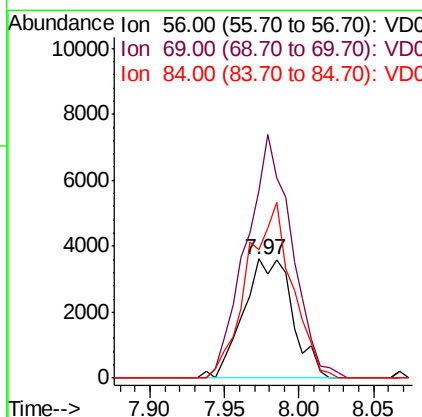
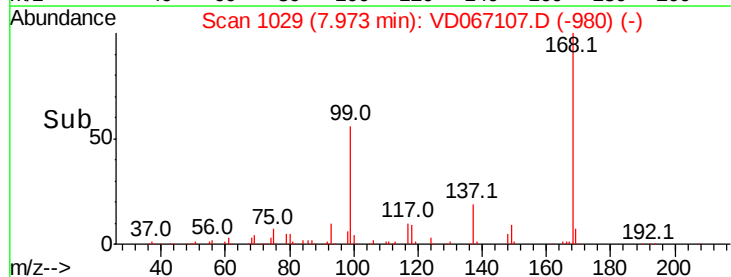
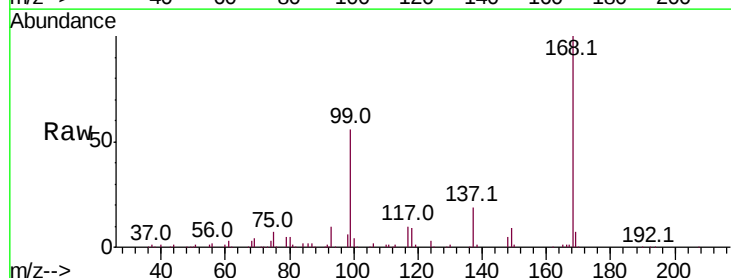
Instrument :
MSVOA_D
ClientSampleId :
SC-1-(6.5)

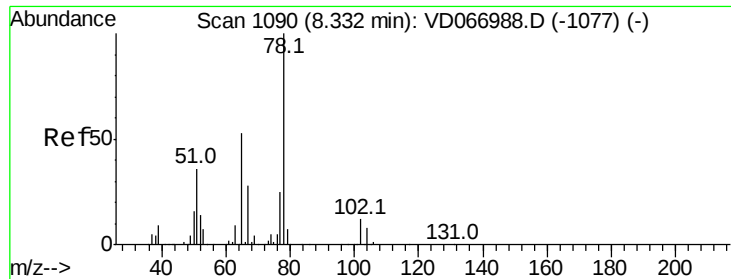
Tot Ion: 77 Resp: 65
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.392 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067107.D
Acq: 06 Oct 2020 14:55

Tgt Ion: 56 Resp: 8228
Ion Ratio Lower Upper
56 100
69 157.9 29.0 43.6#
84 108.3 74.2 111.2





#33

1,2-Dichloroethane-d4

Concen: 53.707 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067107.D

Acq: 06 Oct 2020 14:55

Instrument :

MSVOA_D

ClientSampleId :

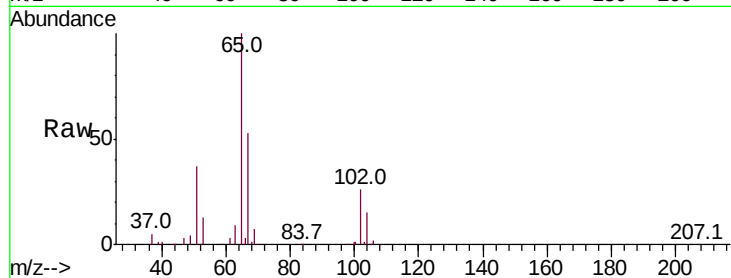
SC-1-(6.5)

Tot Ion: 65 Resp: 211392

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

60000

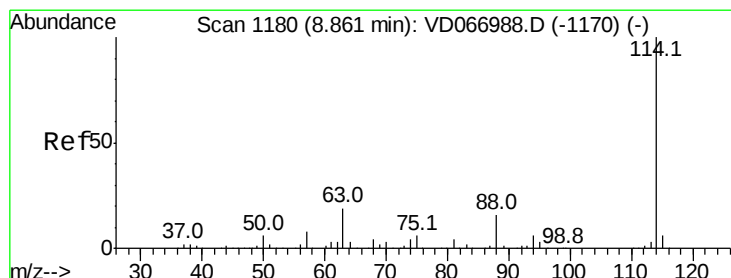
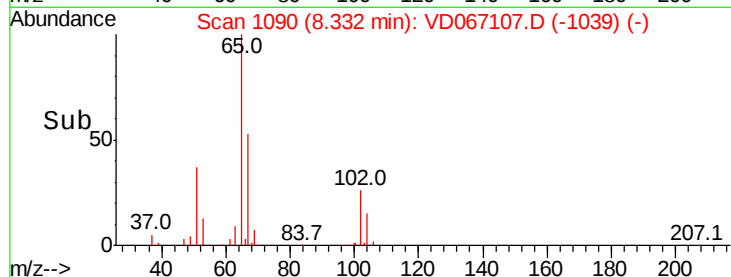
40000

20000

0

8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067107.D

Acq: 06 Oct 2020 14:55

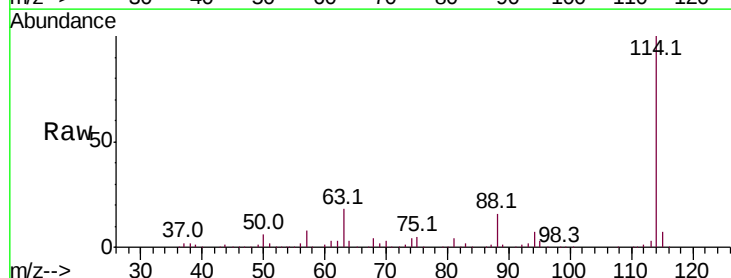
Tgt Ion: 114 Resp: 698015

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 16.3 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

400000

300000

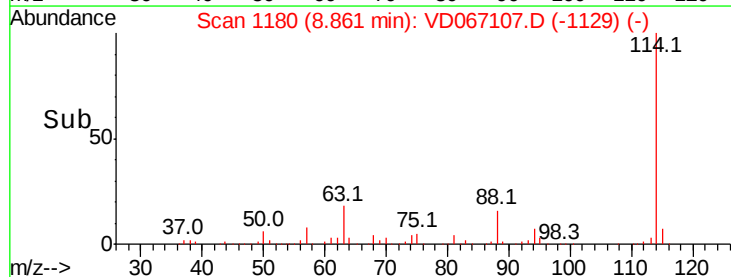
200000

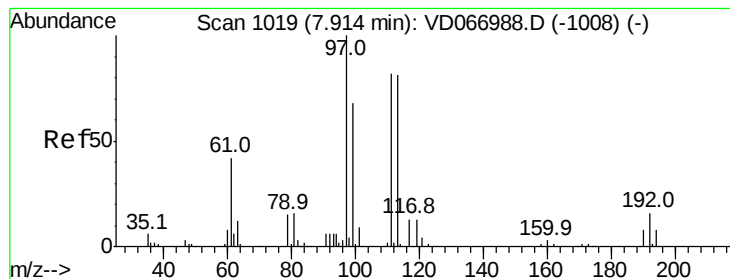
100000

0

8.80 8.90 9.00

Time-->

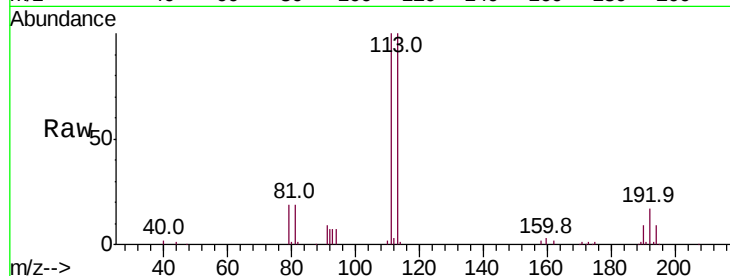




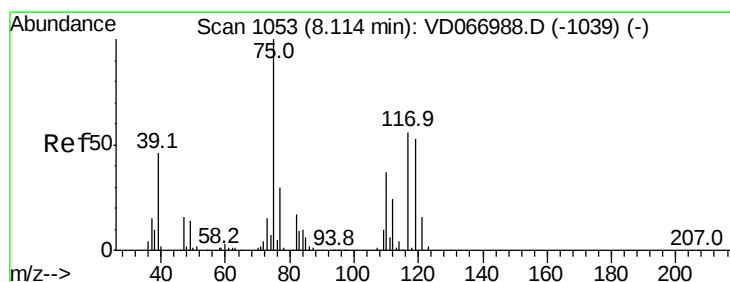
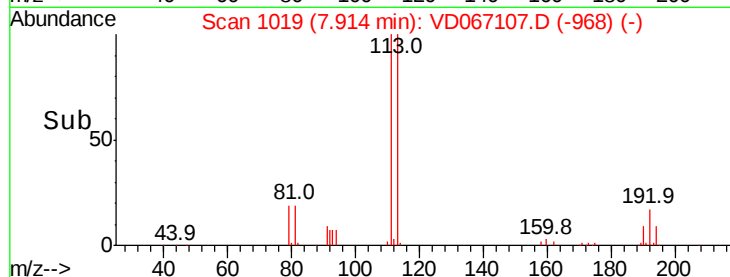
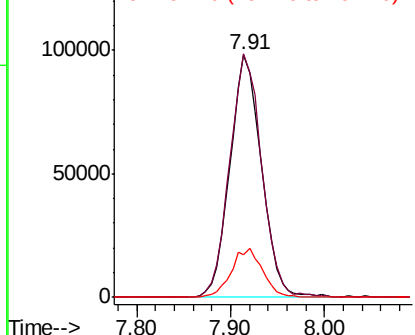
#35
Dibromofluoromethane
Concen: 50.203 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067107.D
Acq: 06 Oct 2020 14:55

Instrument :
MSVOA_D
ClientSampleId :
SC-1-(6.5)

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.0	124.4
192	19.9	15.5	23.3

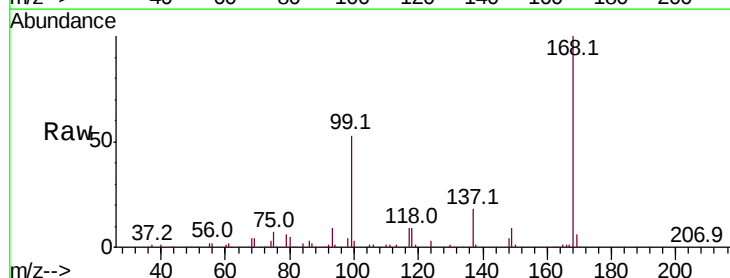


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

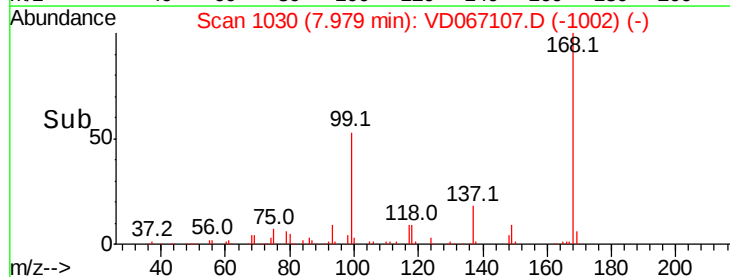
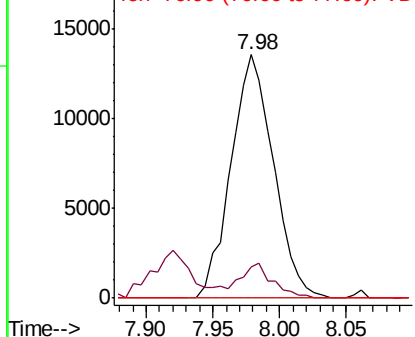


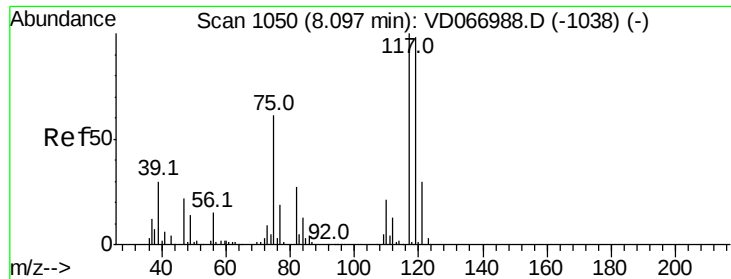
#36
1,1-Dichloropropene
Concen: 4.614 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD067107.D
Acq: 06 Oct 2020 14:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.4	55.0#
77	0.0	24.8	37.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC

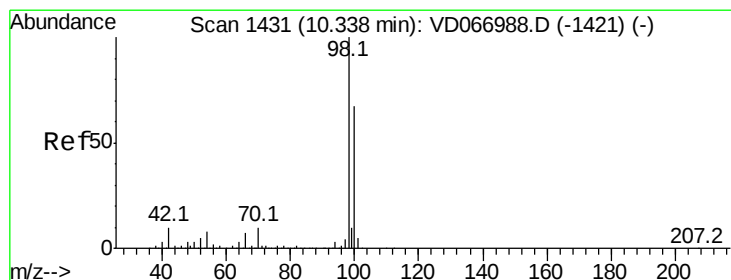
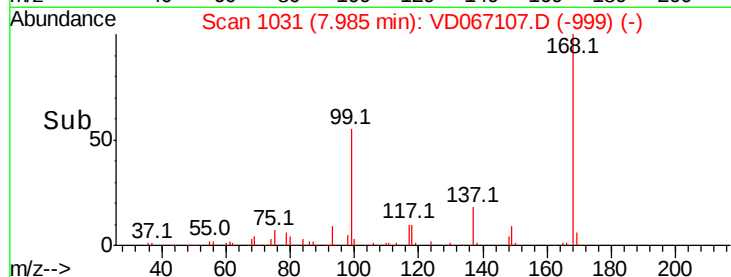
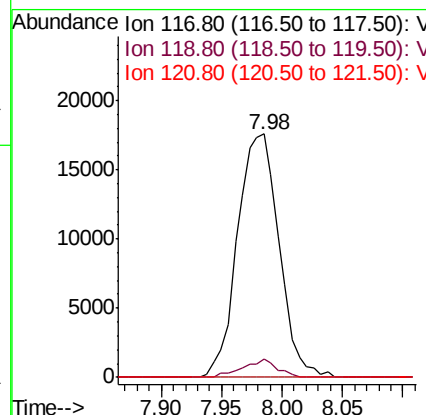
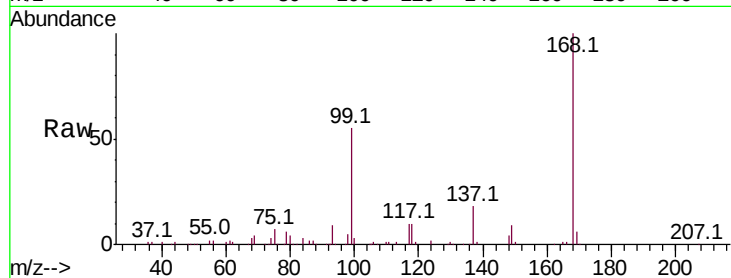




#38
Carbon Tetrachloride
Concen: 5.985 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067107.D
Acq: 06 Oct 2020 14:55

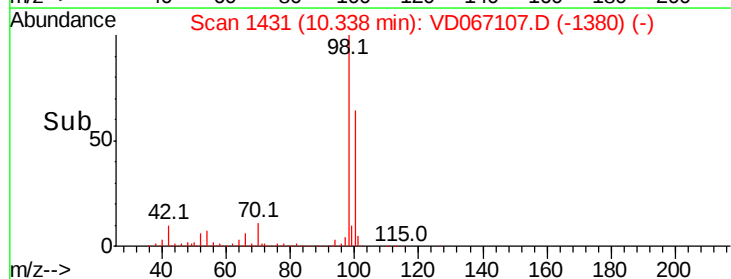
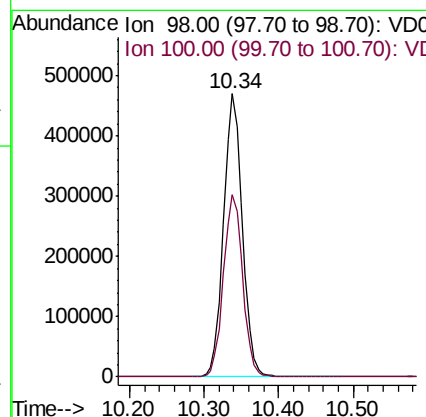
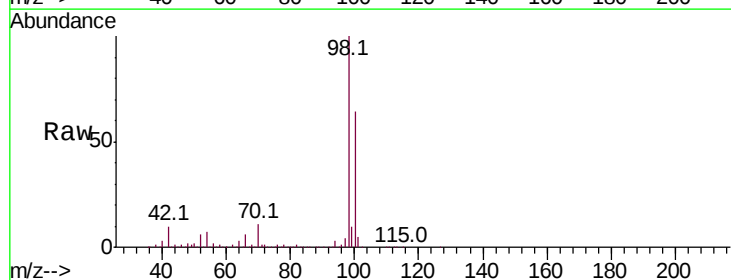
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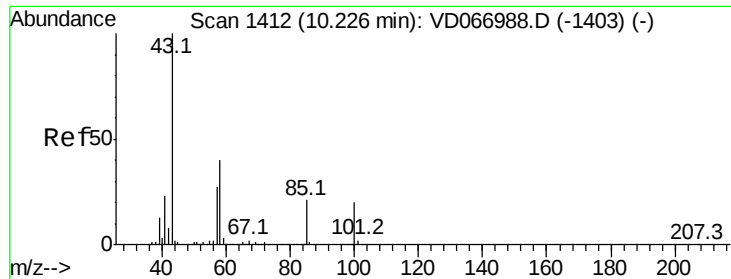
Tot Ion:117 Resp: 42134
Ion Ratio Lower Upper
117 100
119 7.5 78.7 118.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.418 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067107.D
Acq: 06 Oct 2020 14:55

Tgt Ion: 98 Resp: 822889
Ion Ratio Lower Upper
98 100
100 66.0 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 1.584 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067107.D

Acq: 06 Oct 2020 14:55

Instrument :

MSVOA_D

ClientSampleId :

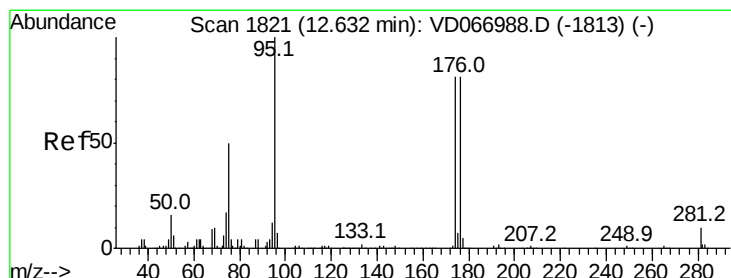
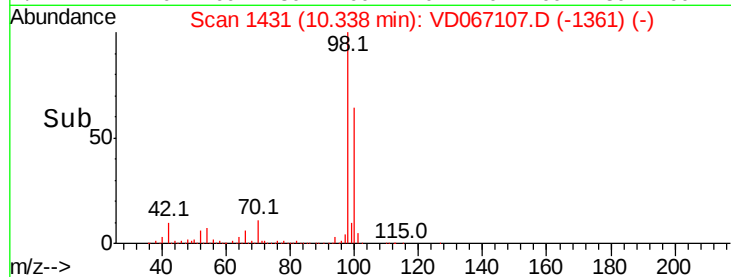
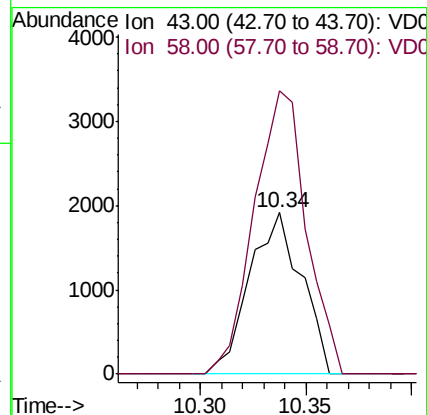
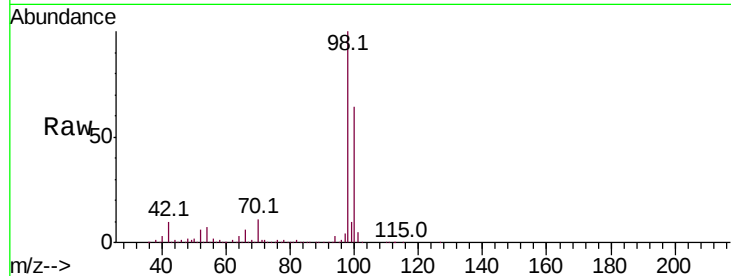
SC-1-(6.5)

Tot Ion: 43 Resp: 3276

Ion Ratio Lower Upper

43 100

58 176.3 33.8 50.8#



#62

4-Bromofluorobenzene

Concen: 47.588 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD067107.D

Acq: 06 Oct 2020 14:55

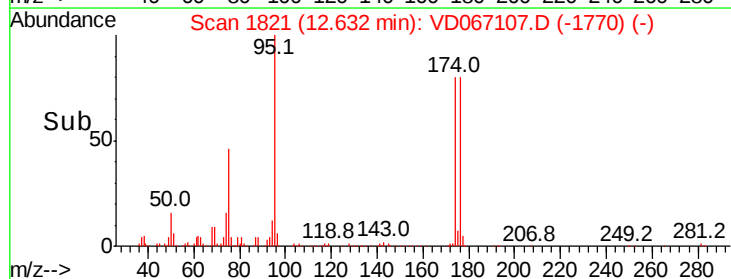
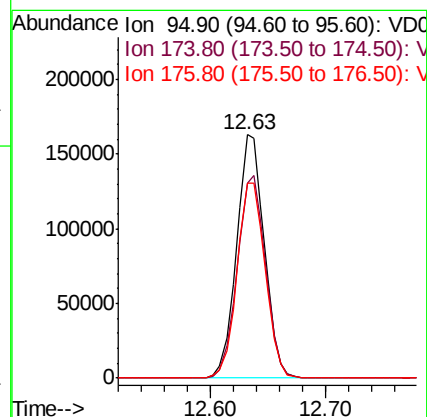
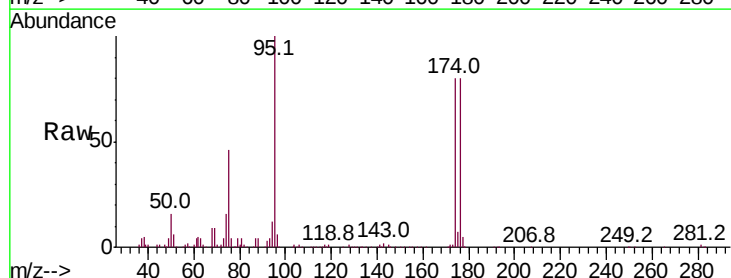
Tgt Ion: 95 Resp: 269008

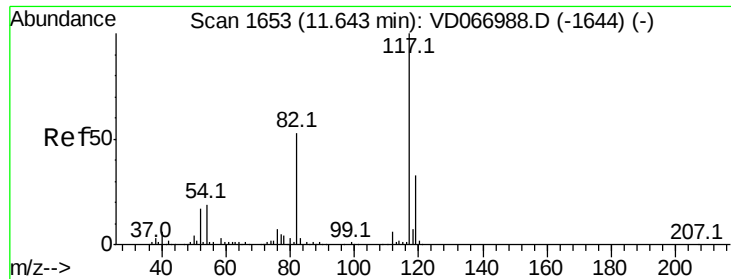
Ion Ratio Lower Upper

95 100

174 84.8 0.0 167.6

176 81.9 0.0 162.4

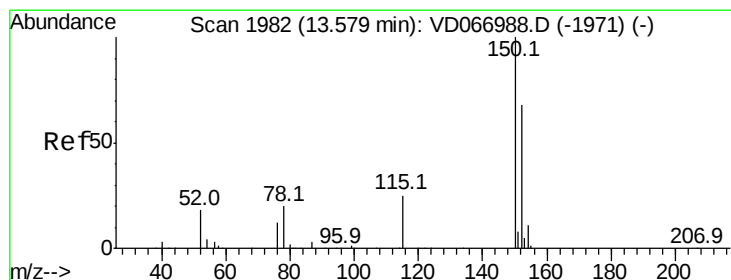
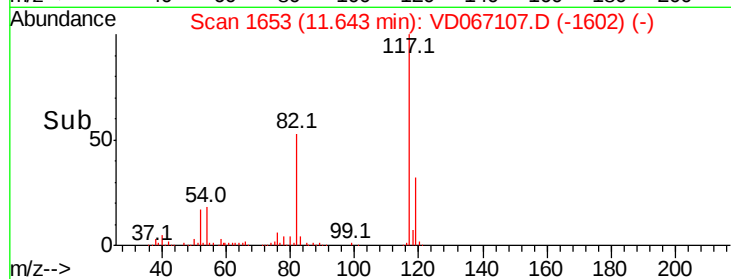
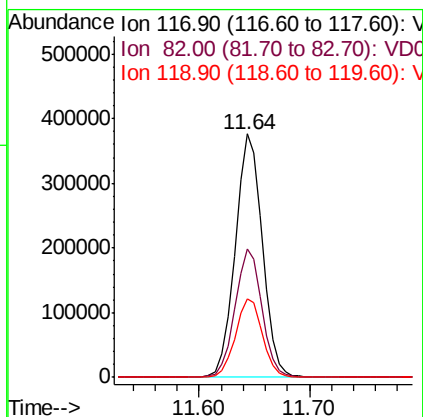
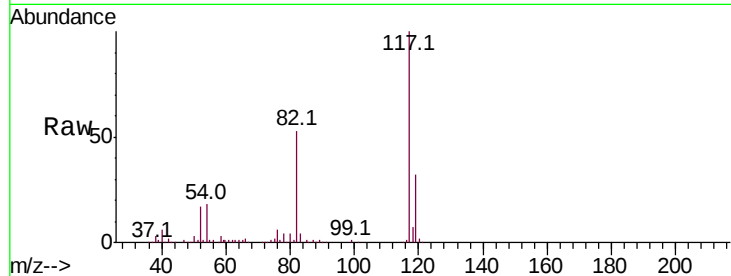




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067107.D
Acq: 06 Oct 2020 14:55

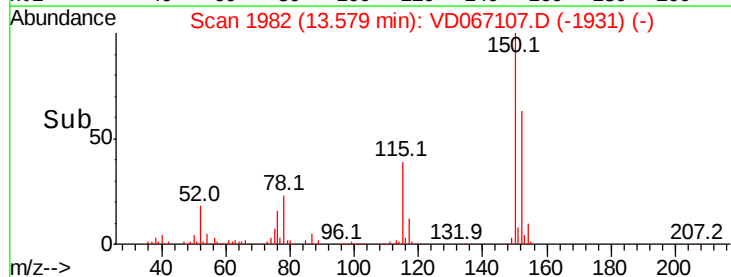
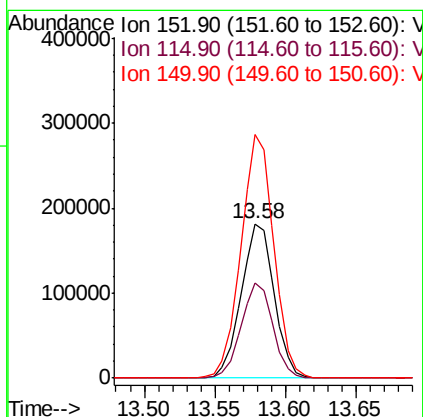
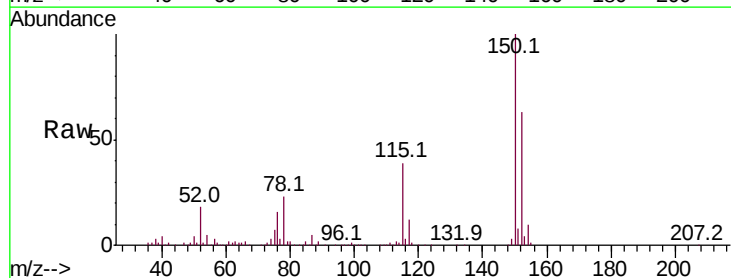
Instrument :
MSVOA_D
ClientSampleId :
SC-1-(6.5)

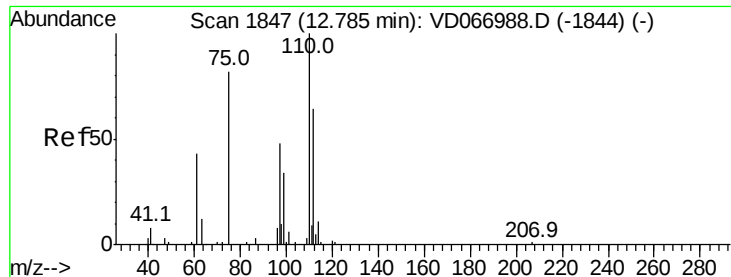
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.6	63.8
119	32.5	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067107.D
Acq: 06 Oct 2020 14:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	29.6	88.8
150	156.2	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 51.622 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067107.D

Acq: 06 Oct 2020 14:55

Instrument :

MSVOA_D

ClientSampleId :

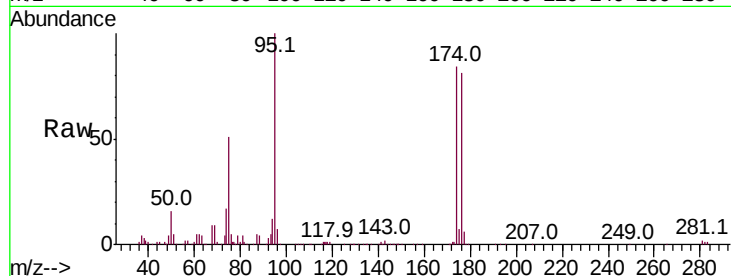
SC-1-(6.5)

Tot Ion: 75 Resp: 133660

Ion Ratio Lower Upper

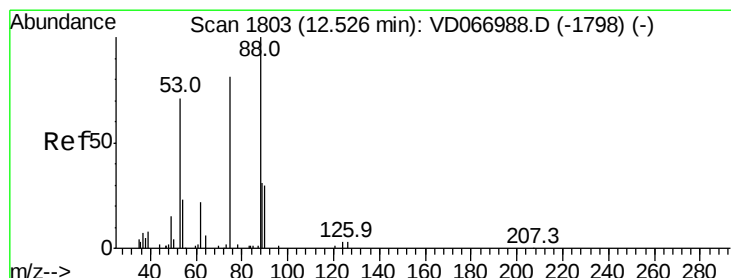
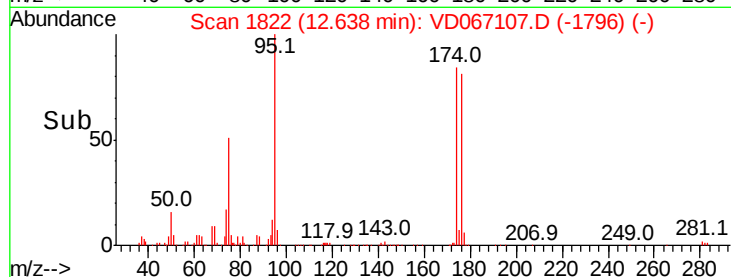
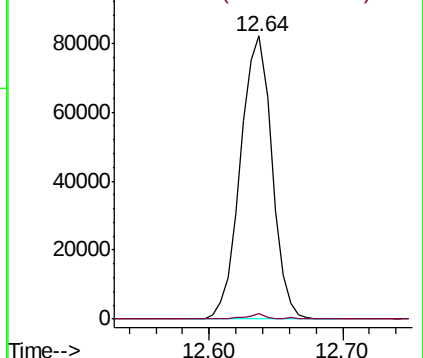
75 100

77 1.3 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: 128.700 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067107.D

Acq: 06 Oct 2020 14:55

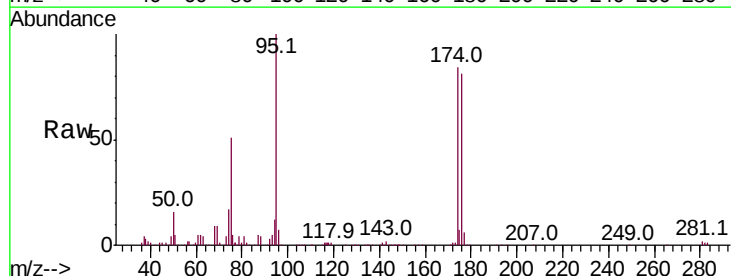
Tgt Ion: 75 Resp: 133660

Ion Ratio Lower Upper

75 100

53 0.0 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

