

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067102.D
 Acq On : 06 Oct 2020 12:38
 Operator : VA/SY
 Sample : L4272-09
 Misc : 7.79G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-3-(6)

Quant Time: Oct 07 01:10:22 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	404050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	682947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	633017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281273	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	204059	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
35) Dibromofluoromethane	7.91	113	222927	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
50) Toluene-d8	10.34	98	813412	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.63	95	261589	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	

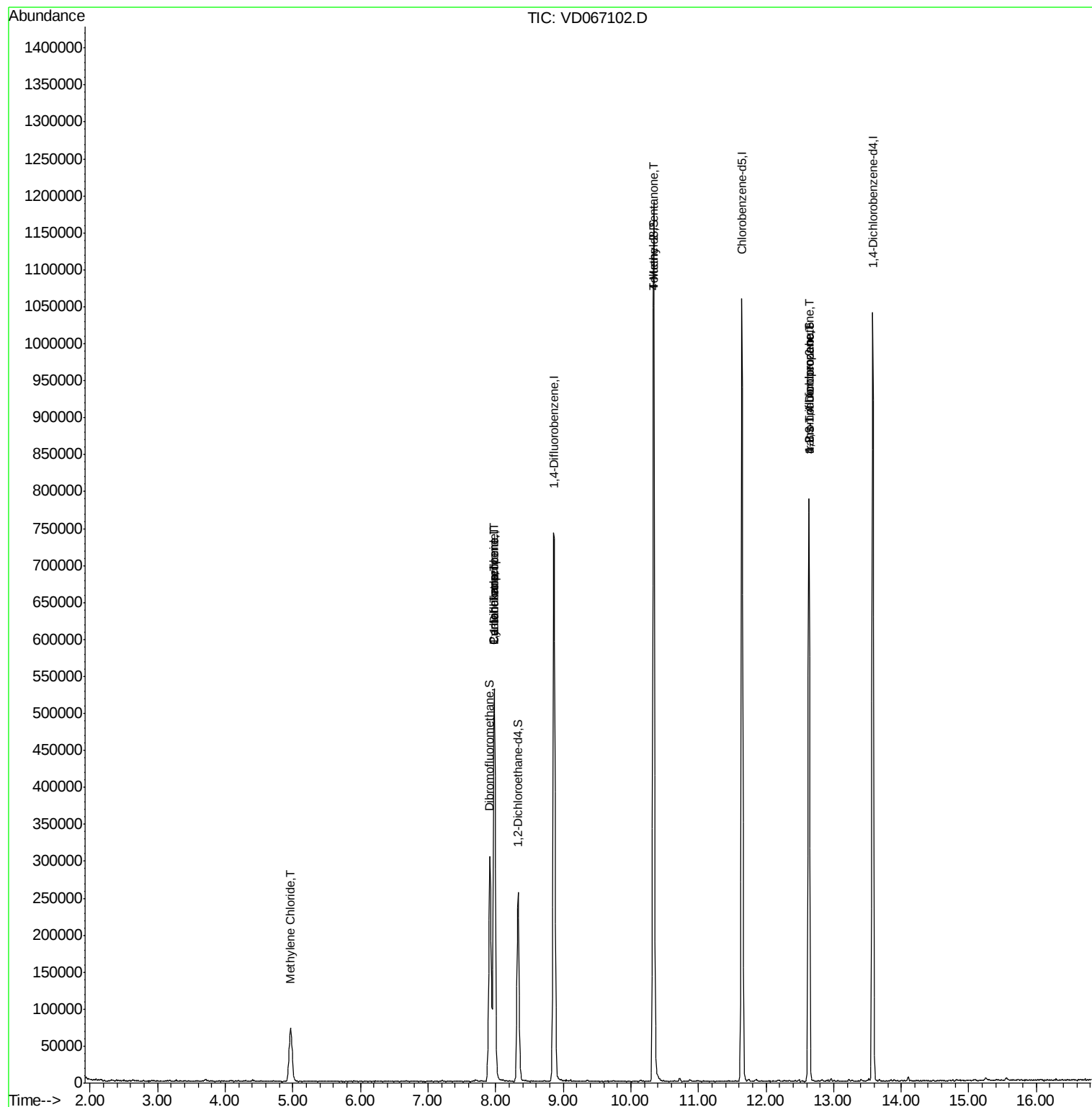
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	750	Below Cal	#	40
5) Bromomethane	2.77	94	176	Below Cal	#	3
20) Methylene Chloride	4.97	84	60555	8.296	ug/l	90
26) 2,2-Dichloropropane	7.21	77	141	Below Cal	#	53
31) Cyclohexane	7.98	56	8193	1.402	ug/l	# 20
36) 1,1-Dichloropropene	7.98	75	28856	4.533	ug/l	# 51
38) Carbon Tetrachloride	7.98	117	41736	6.059	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.33	43	2788	1.378	ug/l	# 1
76) 1,2,3-Trichloropropane	12.63	75	130897	53.428	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.63	75	130897	133.202	ug/l	# 12

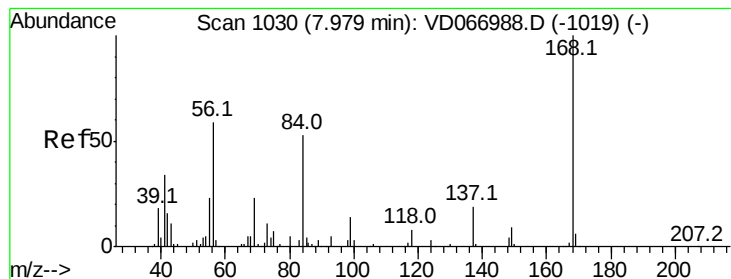
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100620\
Data File : VD067102.D
Acq On : 06 Oct 2020 12:38
Operator : VA/SY
Sample : L4272-09
Misc : 7.79G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MH-3-(6)

Quant Time: Oct 07 01:10:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
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: VD067102.D

Acq: 06 Oct 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

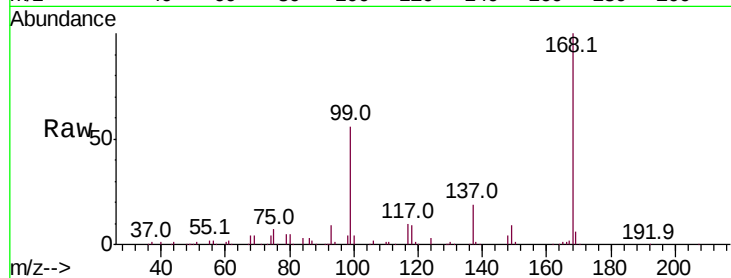
MH-3-(6)

Tot Ion:168 Resp: 404050

Ion Ratio Lower Upper

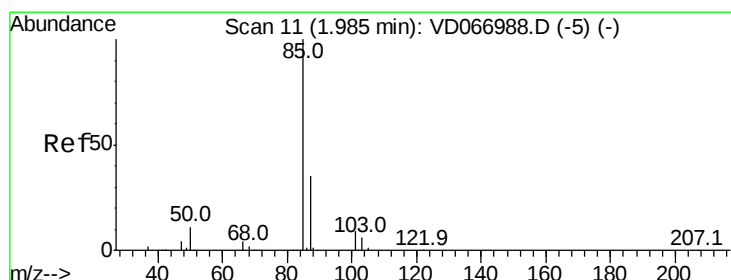
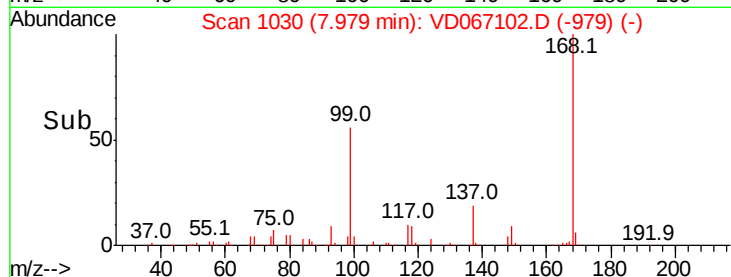
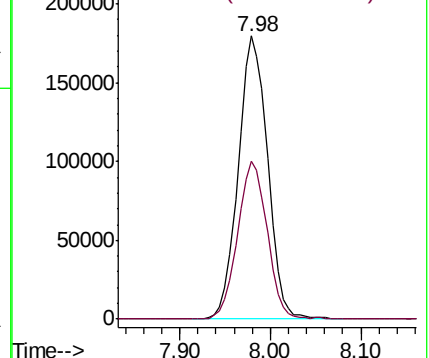
168 100

99 55.7 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# 12

Delta R.T. 0.01 min

Lab File: VD067102.D

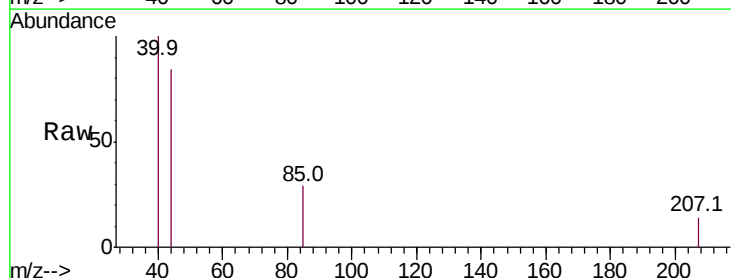
Acq: 06 Oct 2020 12:38

Tgt Ion: 85 Resp: 750

Ion Ratio Lower Upper

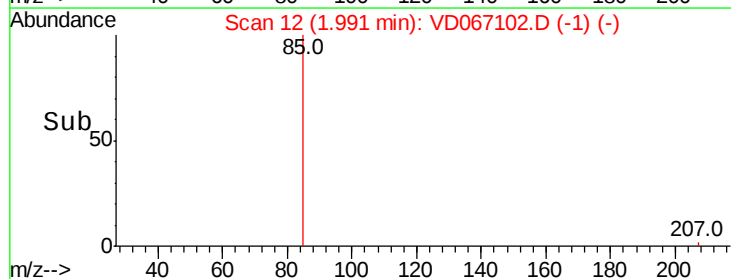
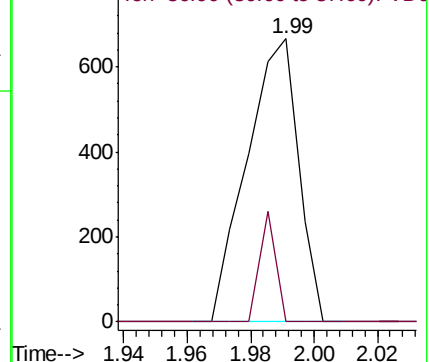
85 100

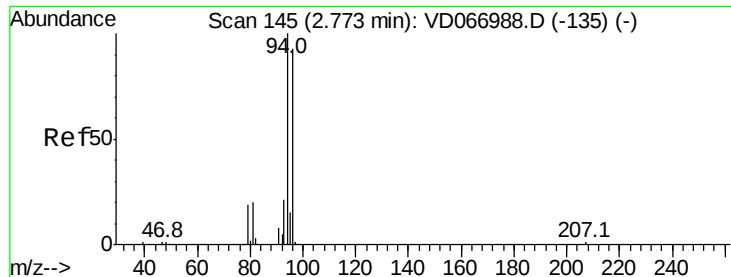
87 0.0 17.3 52.0#



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# 144

Delta R.T. -0.01 min

Lab File: VD067102.D

Acq: 06 Oct 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

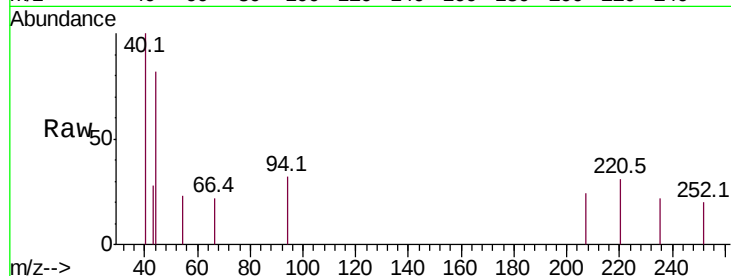
MH-3-(6)

Tot Ion: 94 Resp: 176

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

500

400

300

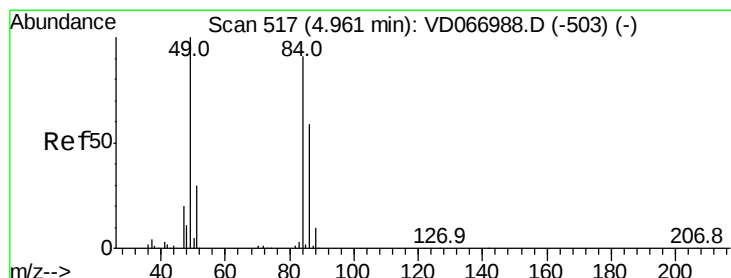
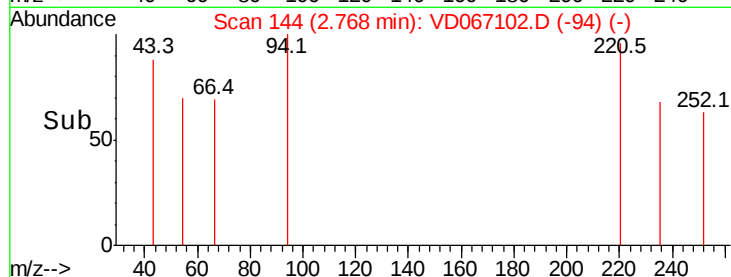
200

100

0

2.75 2.76 2.77 2.78

Time-->



#20

Methylene Chloride

Concen: 8.296 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067102.D

Acq: 06 Oct 2020 12:38

Tgt Ion: 84 Resp: 60555

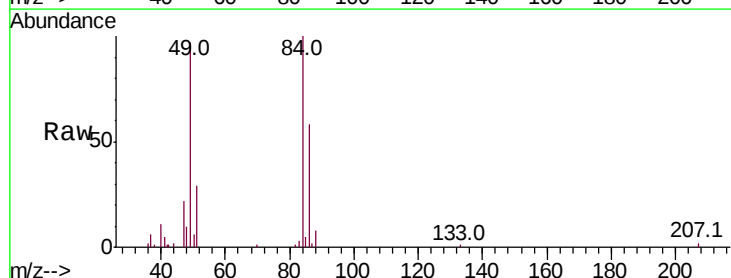
Ion Ratio Lower Upper

84 100

49 97.4 88.2 132.2

51 29.2 26.6 39.8

86 57.8 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

30000

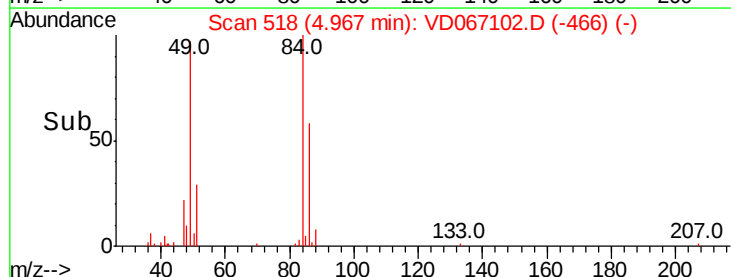
20000

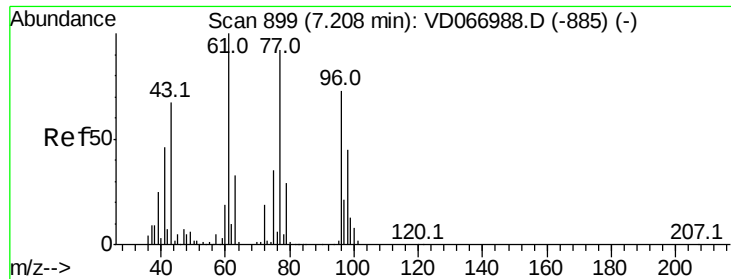
10000

0

4.90 4.97 5.00

Time-->

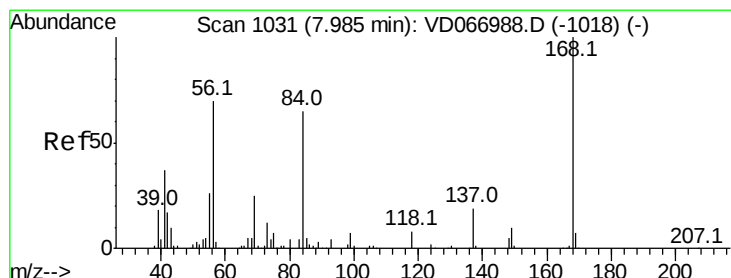
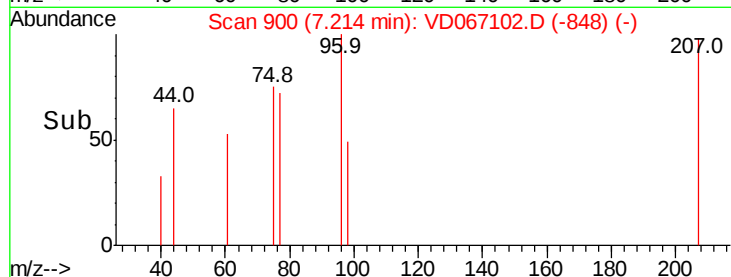
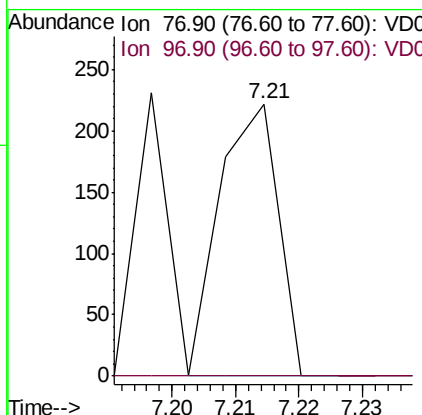
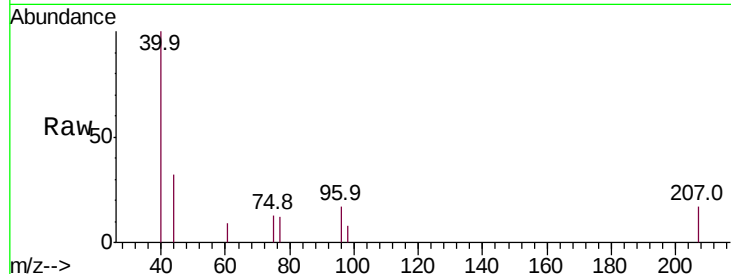




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067102.D
Acq: 06 Oct 2020 12:38

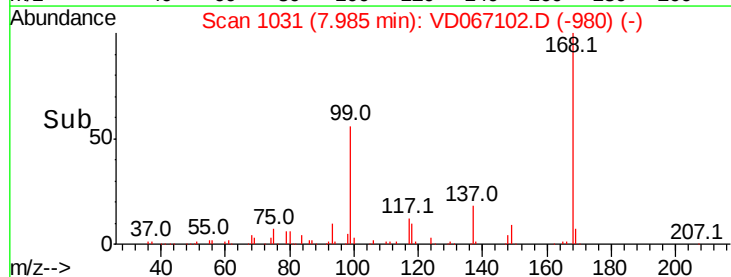
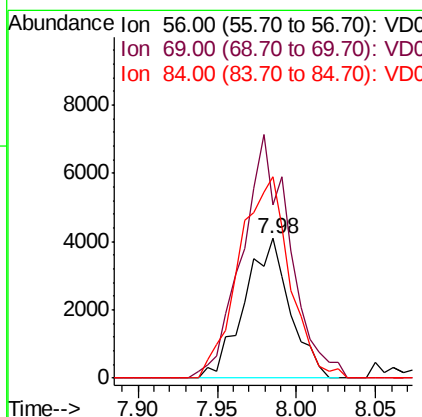
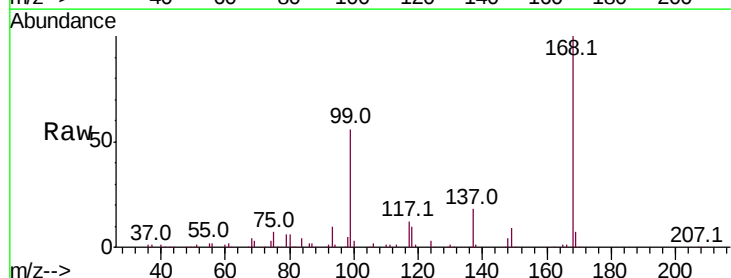
Instrument :
MSVOA_D
ClientSampled :
MH-3(6)

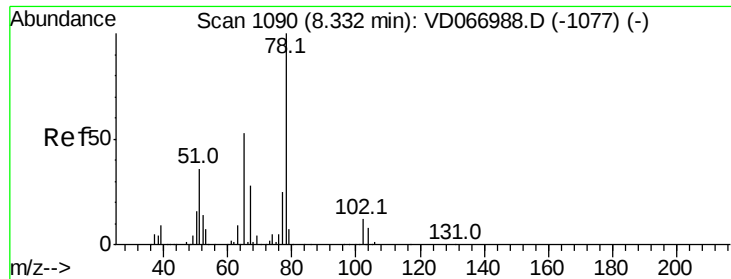
Tot Ion: 77 Resp: 141
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.402 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067102.D
Acq: 06 Oct 2020 12:38

Tgt Ion: 56 Resp: 8193
Ion Ratio Lower Upper
56 100
69 124.0 29.0 43.6#
84 144.1 74.2 111.2#

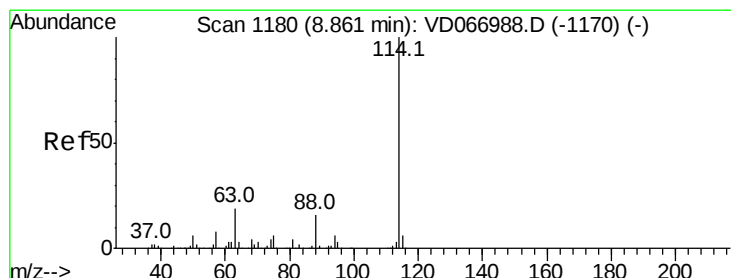
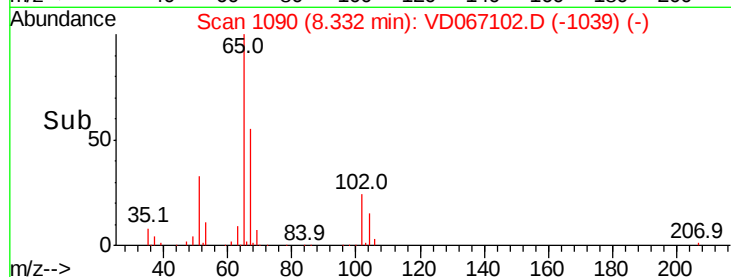
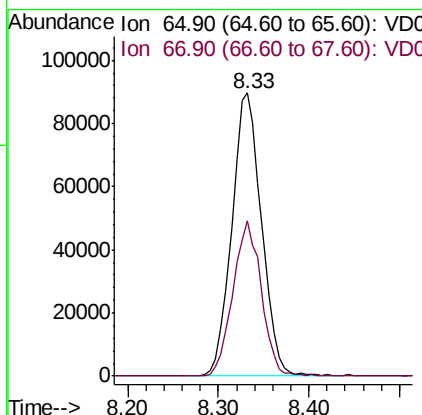
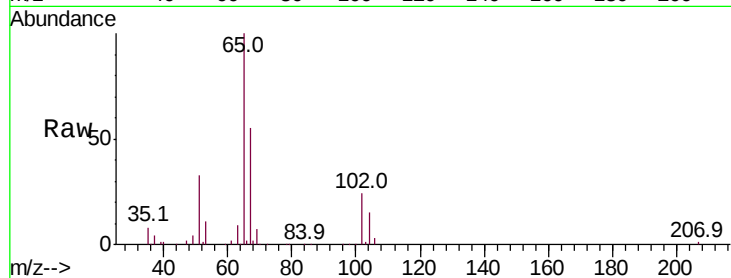




#33
 1,2-Dichloroethane-d4
 Concen: 52.433 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067102.D
 Acq: 06 Oct 2020 12:38

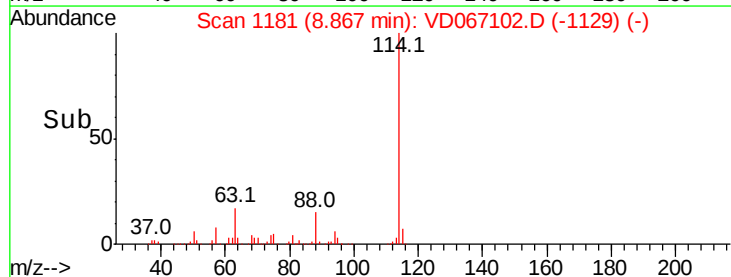
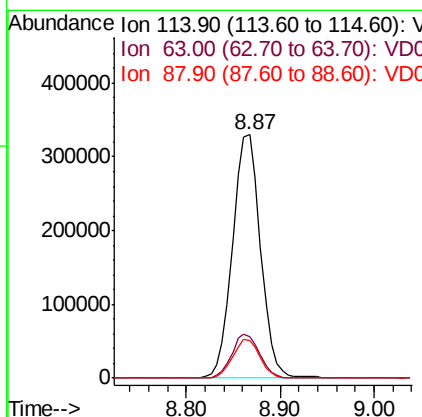
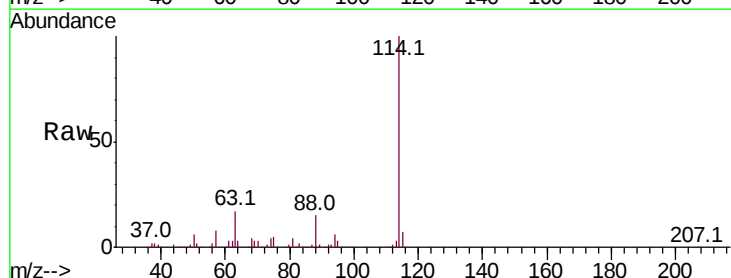
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-3-(6)

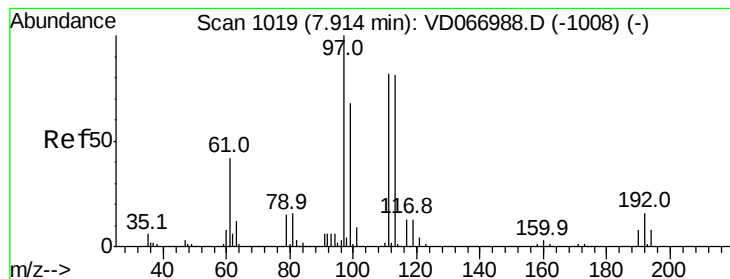
Tot Ion: 65 Resp: 204059
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067102.D
 Acq: 06 Oct 2020 12:38

Tgt Ion: 114 Resp: 682947
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 38.4
 88 15.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.859 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067102.D

Acq: 06 Oct 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

MH-3-(6)

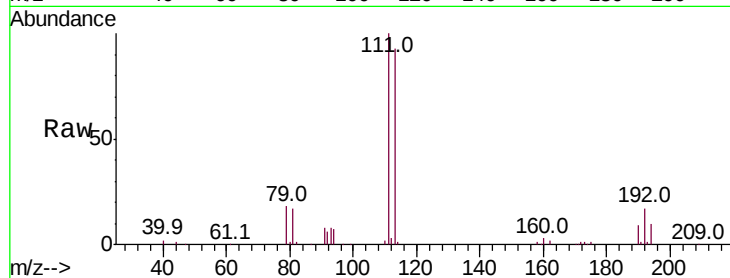
Tot Ion:113 Resp: 222927

Ion Ratio Lower Upper

113 100

111 104.3 83.0 124.4

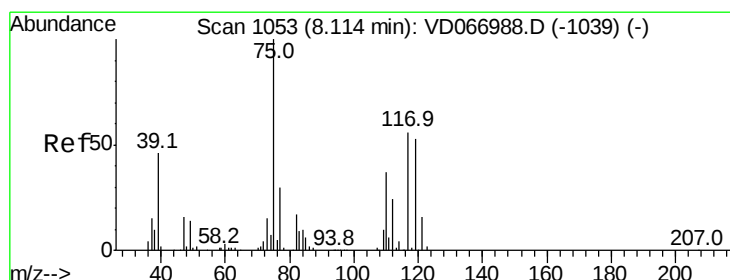
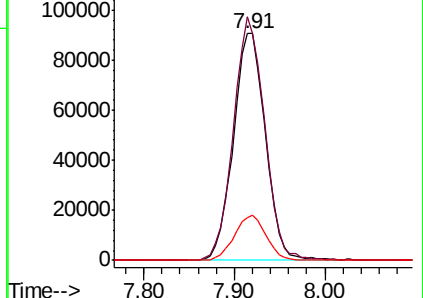
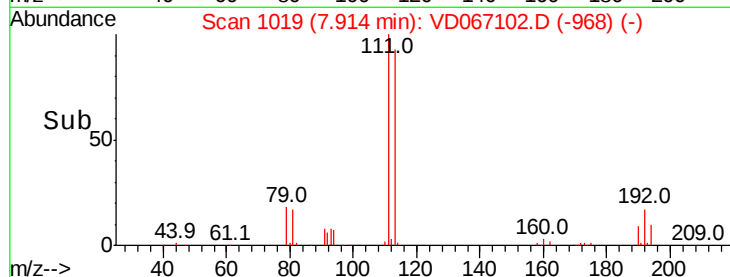
192 19.6 15.5 23.3



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: 4.533 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067102.D

Acq: 06 Oct 2020 12:38

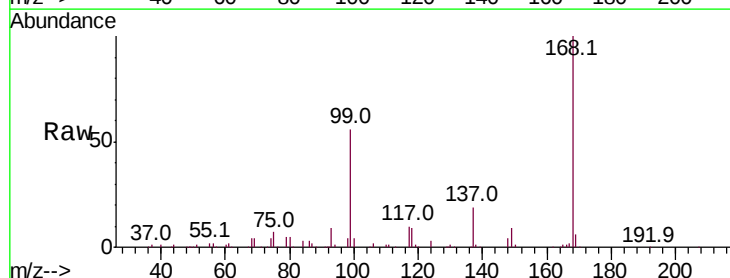
Tgt Ion: 75 Resp: 28856

Ion Ratio Lower Upper

75 100

110 11.5 18.4 55.0#

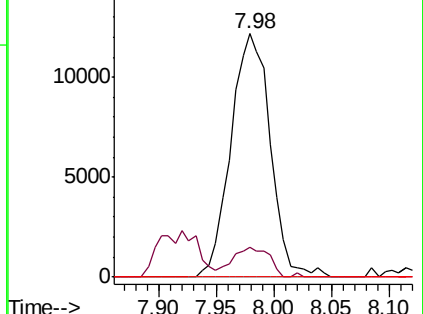
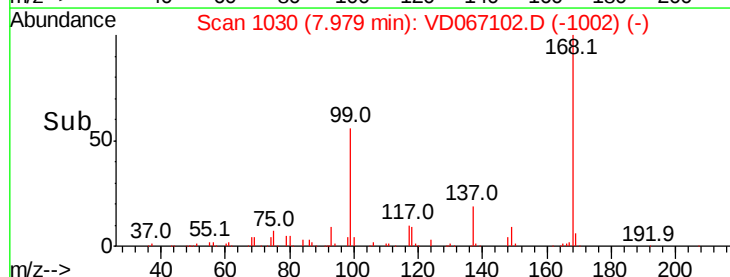
77 0.0 24.8 37.2#

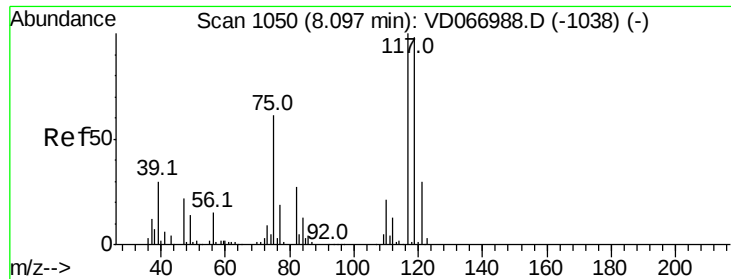


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

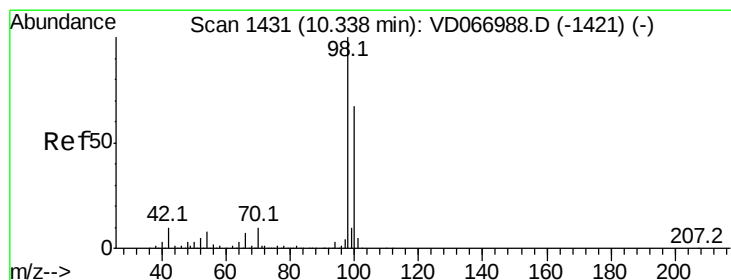
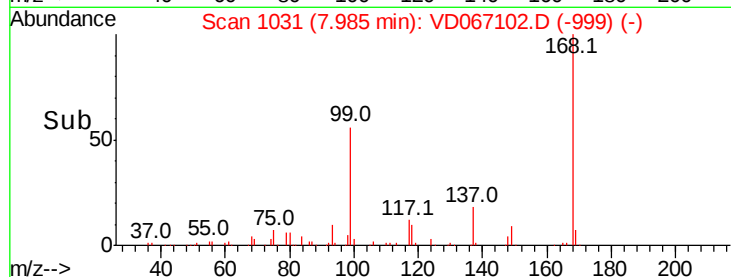
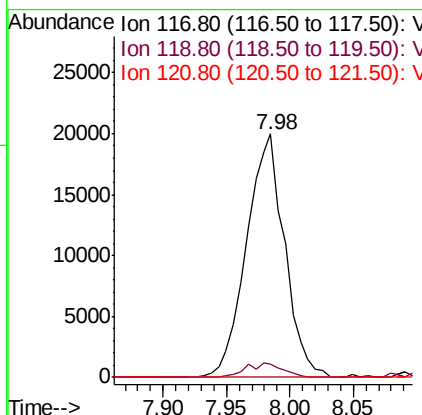
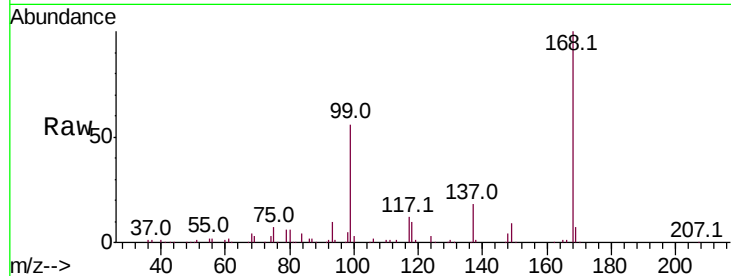




#38
Carbon Tetrachloride
Concen: 6.059 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067102.D
Acq: 06 Oct 2020 12:38

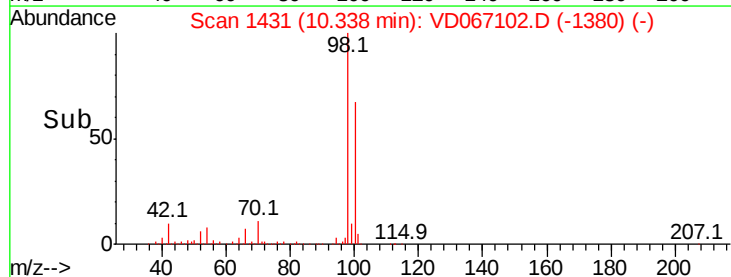
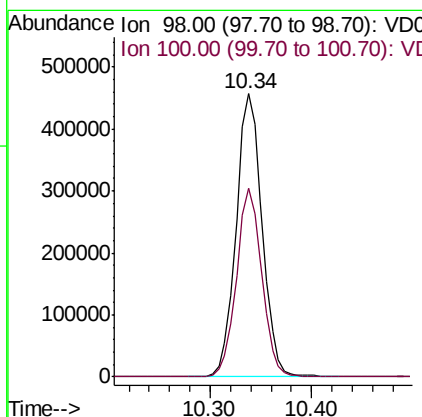
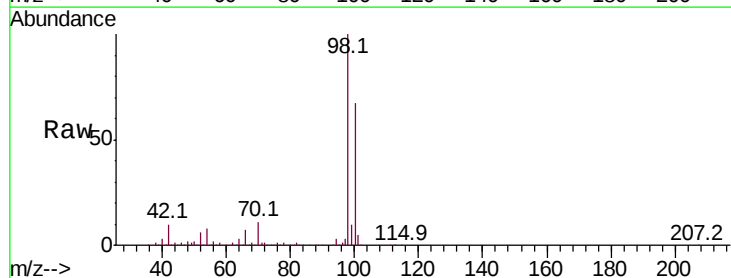
Instrument :
MSVOA_D
ClientSampleId :
MH-3-(6)

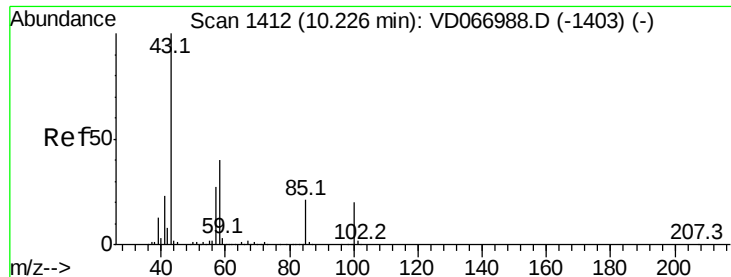
Tot Ion:117 Resp: 41736
Ion Ratio Lower Upper
117 100
119 5.4 78.7 118.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.926 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067102.D
Acq: 06 Oct 2020 12:38

Tgt Ion: 98 Resp: 813412
Ion Ratio Lower Upper
98 100
100 65.0 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 1.378 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD067102.D

Acq: 06 Oct 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

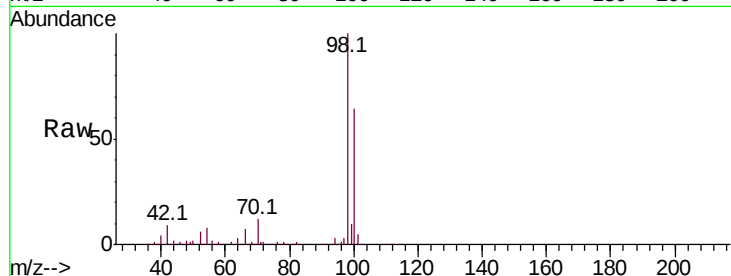
MH-3-(6)

Tot Ion: 43 Resp: 2788

Ion Ratio Lower Upper

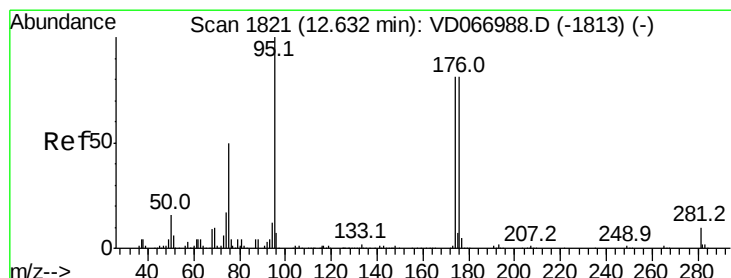
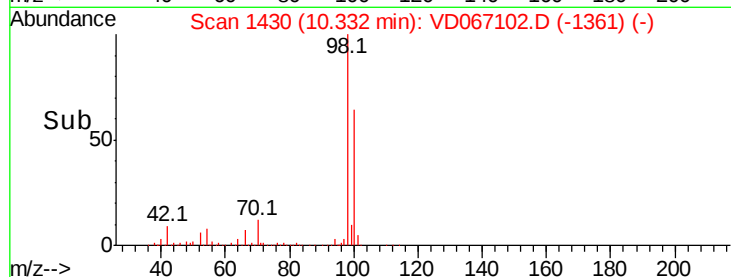
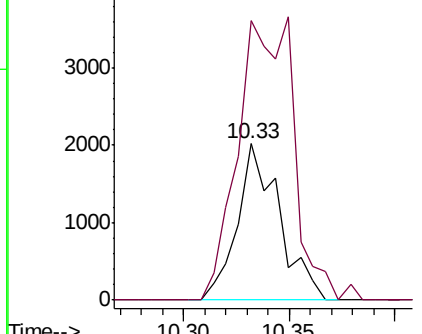
43 100

58 238.3 33.8 50.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 47.297 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD067102.D

Acq: 06 Oct 2020 12:38

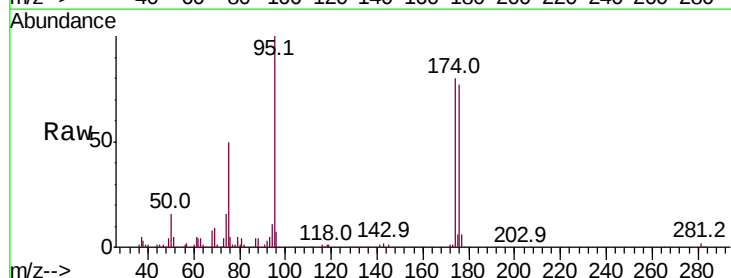
Tgt Ion: 95 Resp: 261589

Ion Ratio Lower Upper

95 100

174 84.8 0.0 167.6

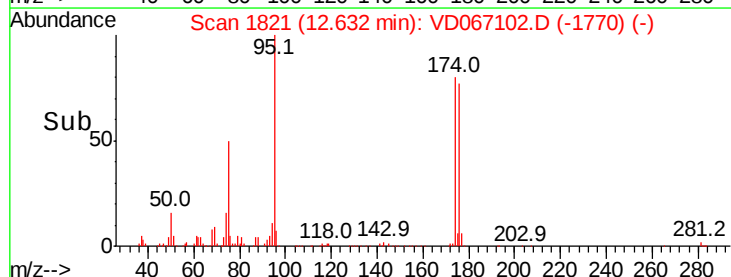
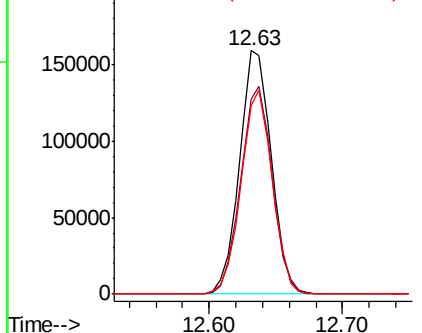
176 82.1 0.0 162.4

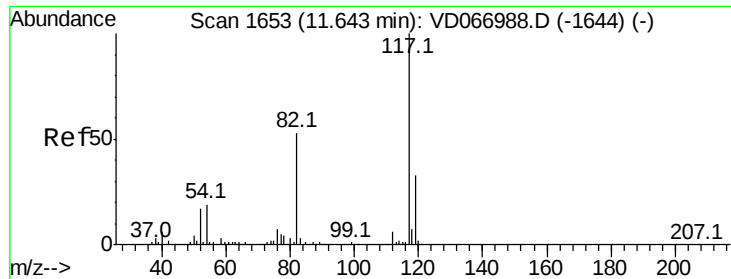


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

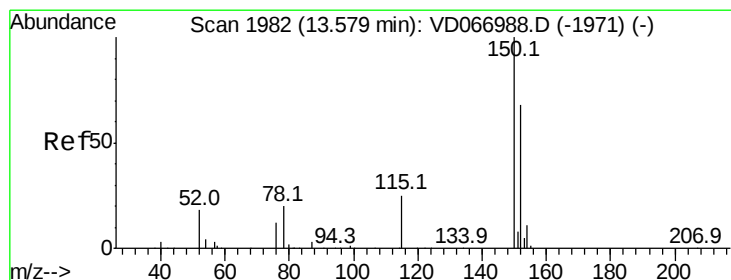
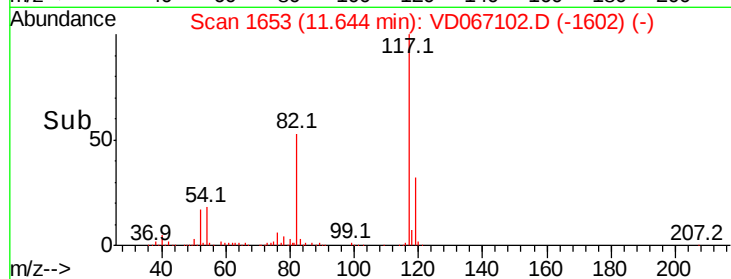
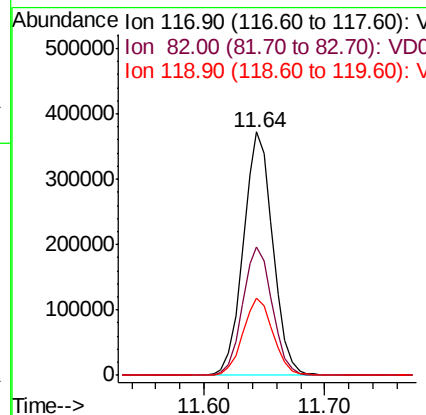
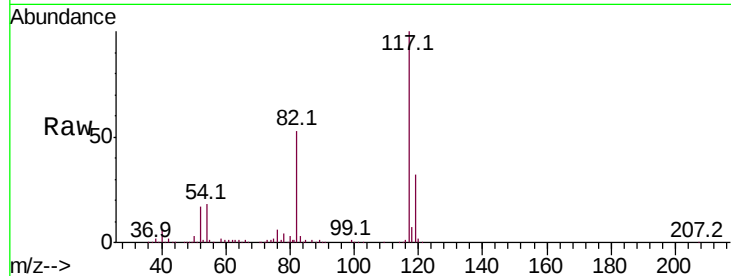




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067102.D
Acq: 06 Oct 2020 12:38

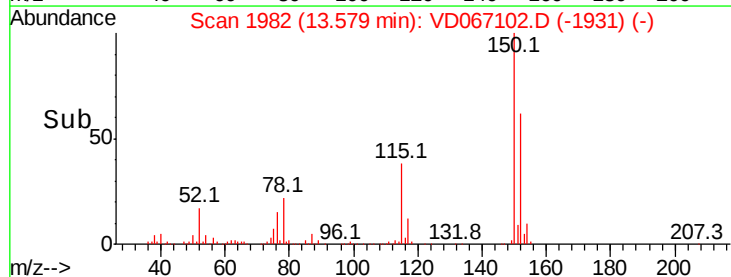
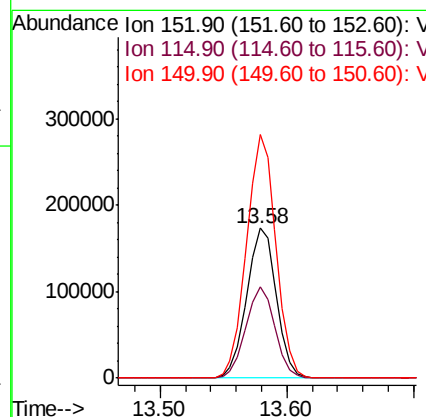
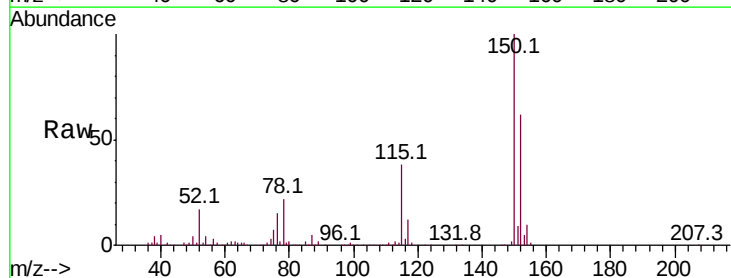
Instrument :
MSVOA_D
ClientSampleID :
MH-3-(6)

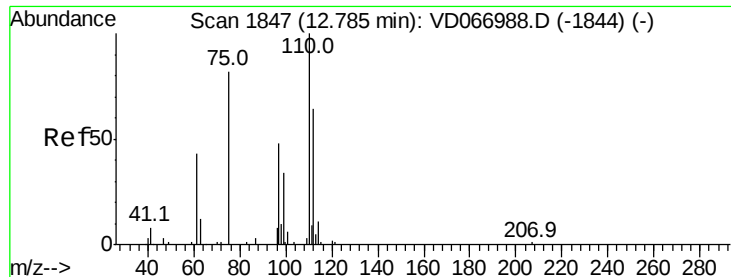
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.6	63.8
119	31.8	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067102.D
Acq: 06 Oct 2020 12:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	29.6	88.8
150	160.9	0.0	344.8

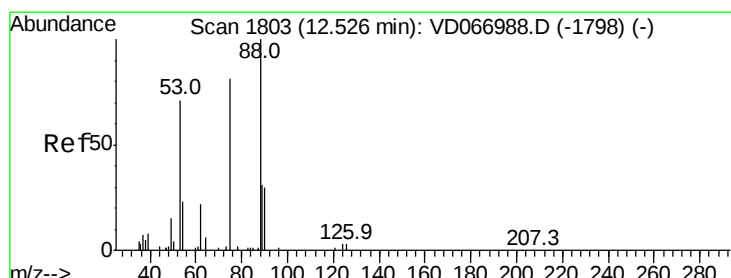
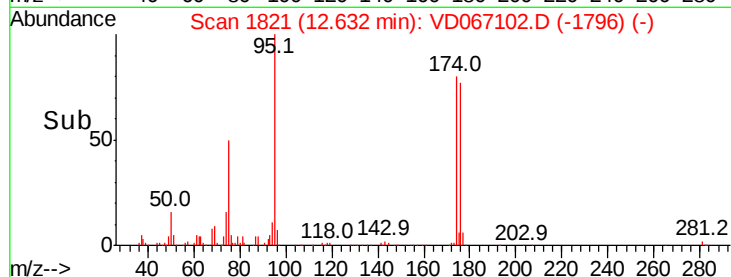
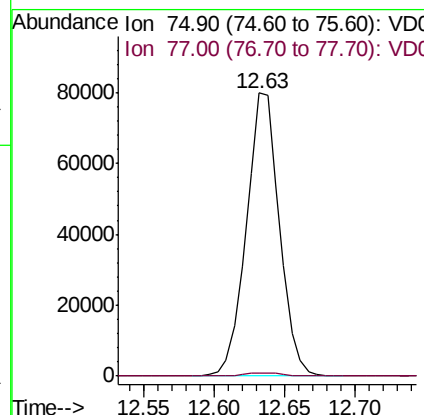
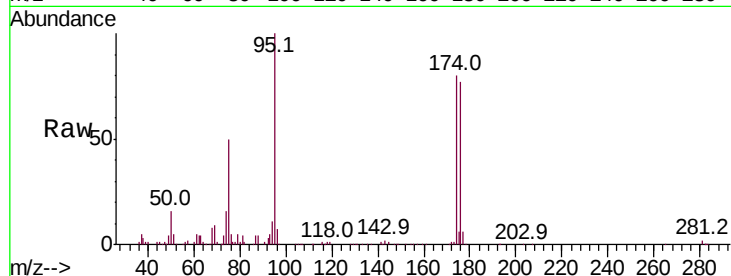




#76
 1,2,3-Trichloropropane
 Concen: 53.428 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD067102.D
 Acq: 06 Oct 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-3-(6)

Tot Ion: 75 Resp: 130897
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.202 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.11 min
 Lab File: VD067102.D
 Acq: 06 Oct 2020 12:38

Tgt Ion: 75 Resp: 130897
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.8 110.6#
 89 0.0 38.9 58.3#

