

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067911.D
 Acq On : 08 Dec 2020 13:14
 Operator : VA/SY
 Sample : L4965-11
 Misc : 5.34G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CRT014

Quant Time: Dec 09 04:27:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	244553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	336305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	294723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141657	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	109068	41.54	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.08%
35) Dibromofluoromethane	7.92	113	97829	43.47	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.94%
50) Toluene-d8	10.34	98	379331	46.83	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.66%
62) 4-Bromofluorobenzene	12.64	95	124121	44.32	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.64%

Target Compounds

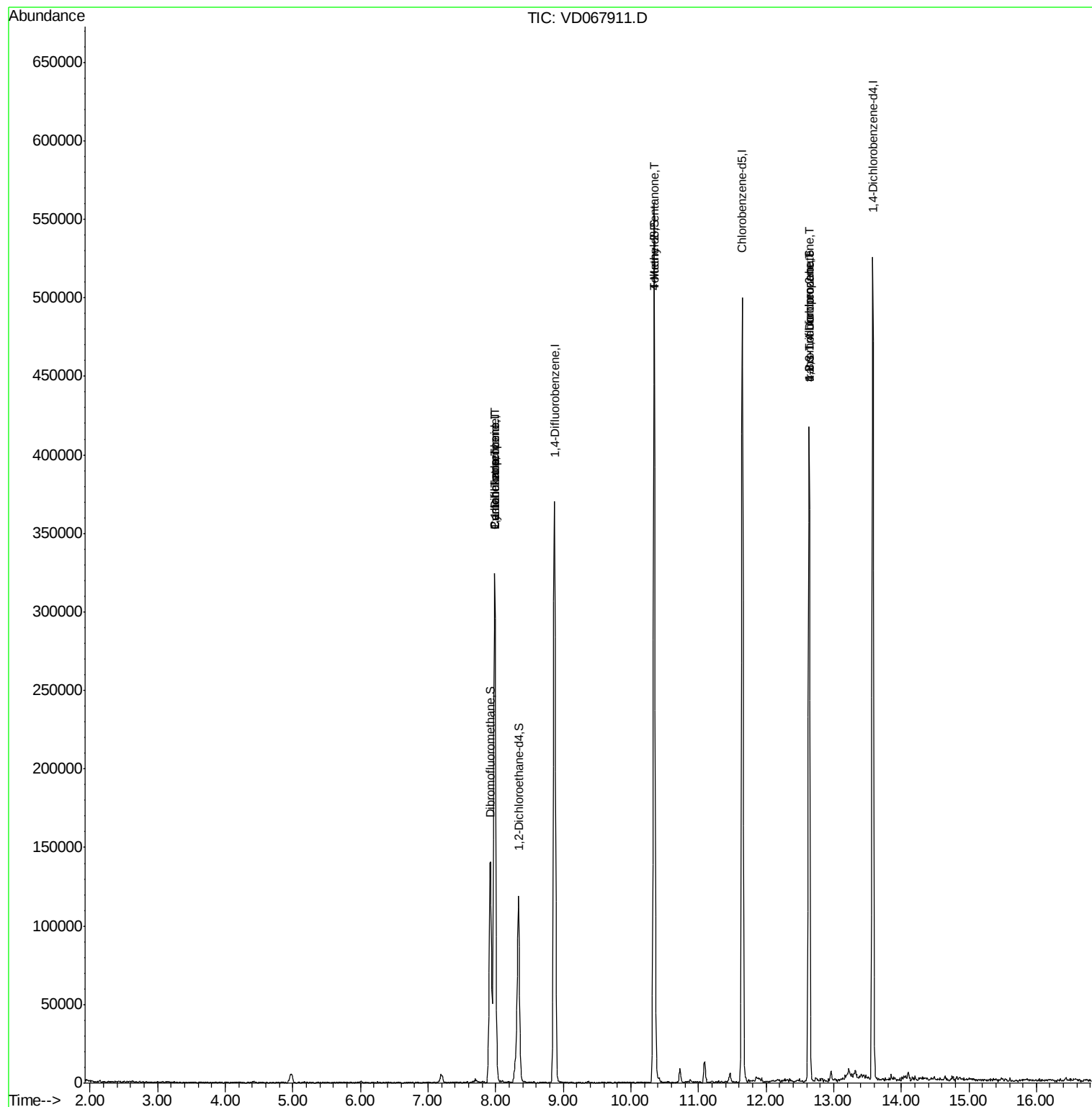
					Qvalue	
11) Tert butyl alcohol	5.19	59	164	Below Cal	#	74
20) Methylene Chloride	4.96	84	5113	Below Cal	#	78
31) Cyclohexane	7.98	56	5114	1.849	ug/l #	43
36) 1,1-Dichloropropene	7.98	75	15630	5.369	ug/l #	49
38) Carbon Tetrachloride	7.98	117	23780	5.398	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	1476	2.020	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	68885	66.776	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	68885	159.733	ug/l #	7

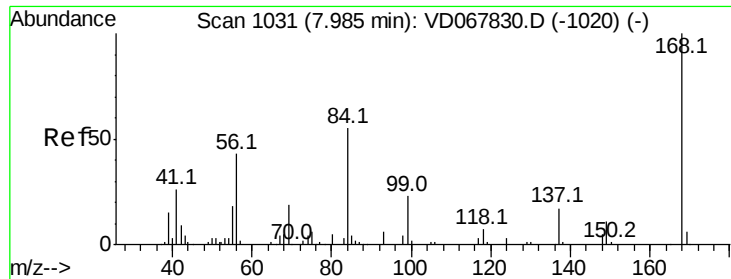
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120820\
Data File : VD067911.D
Acq On : 08 Dec 2020 13:14
Operator : VA/SY
Sample : L4965-11
Misc : 5.34G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CRT014

Quant Time: Dec 09 04:27:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067911.D

Acq: 08 Dec 2020 13:14

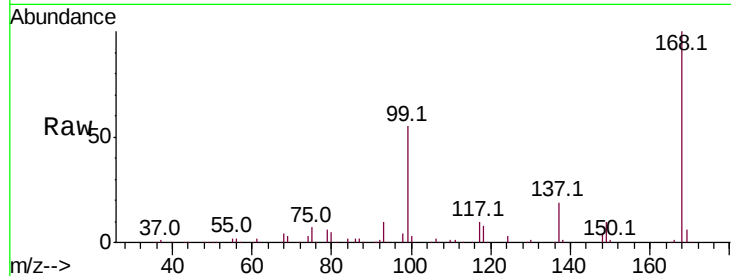
Instrument :
MSVOA_D
ClientSampleId :
CRT014

Tot Ion:168 Resp: 244553

Ion Ratio Lower Upper

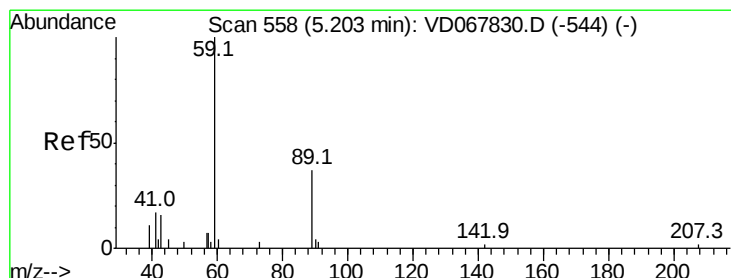
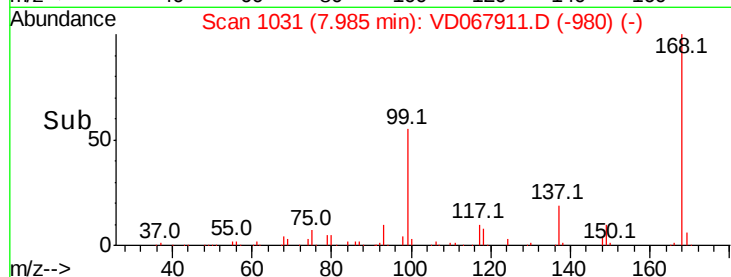
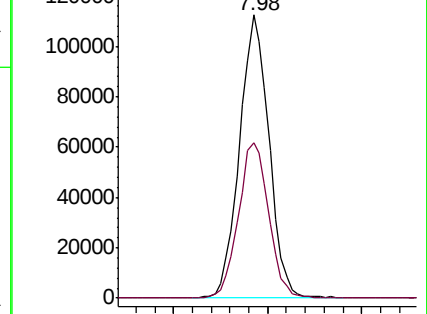
168 100

99 54.8 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 555

Delta R.T. -0.02 min

Lab File: VD067911.D

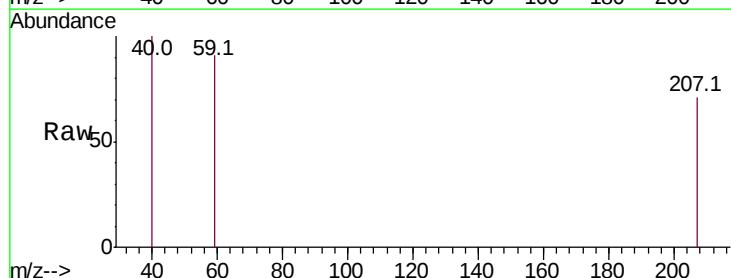
Acq: 08 Dec 2020 13:14

Tgt Ion: 59 Resp: 164

Ion Ratio Lower Upper

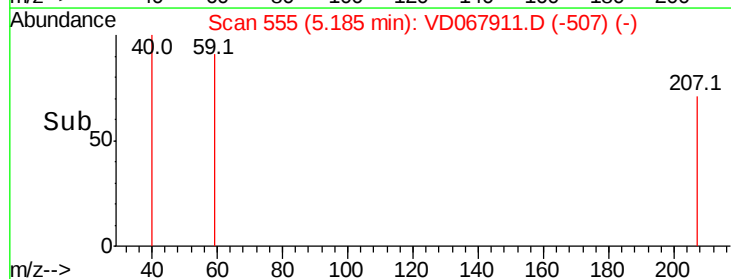
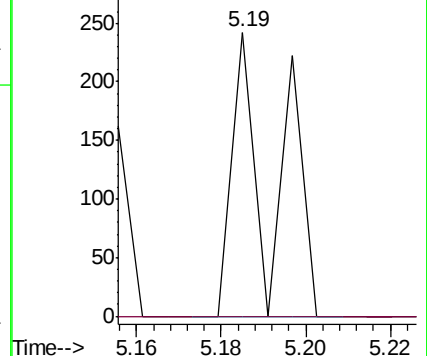
59 100

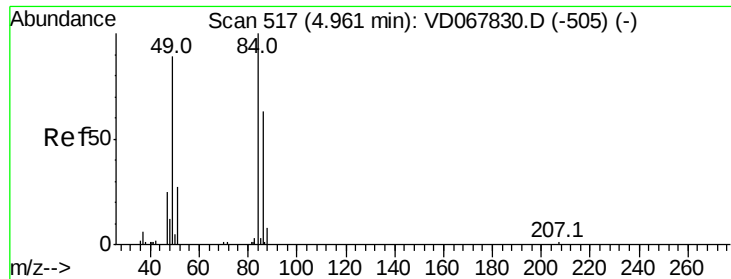
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

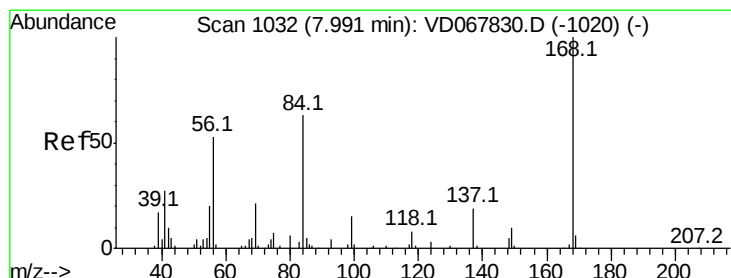
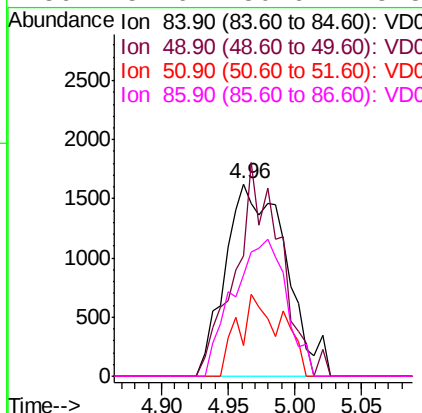
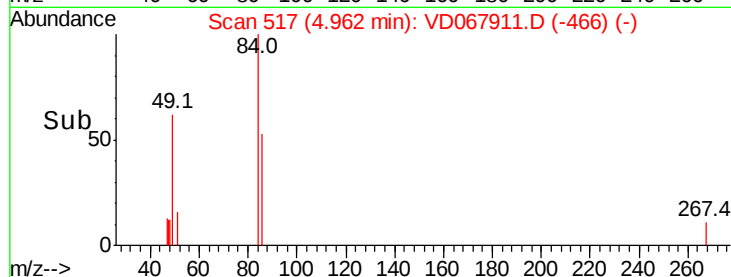
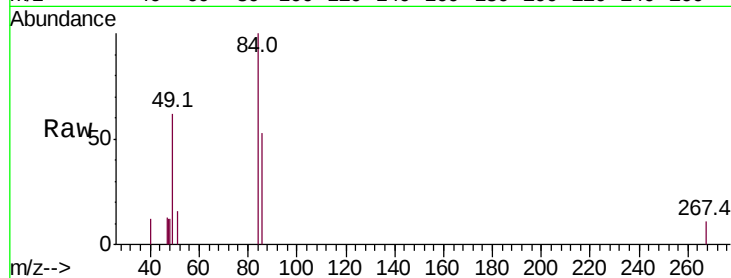




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067911.D
Acq: 08 Dec 2020 13:14

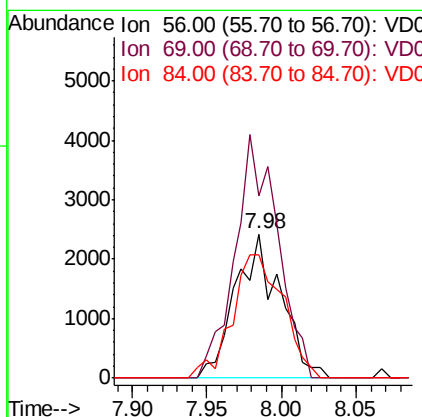
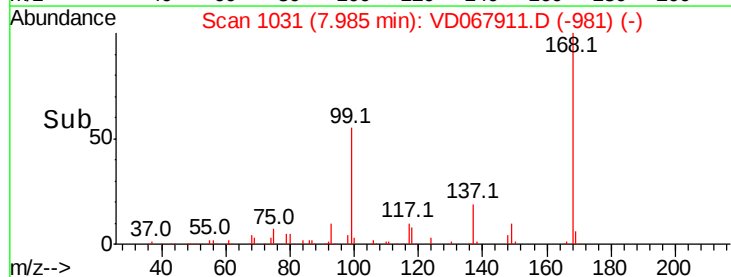
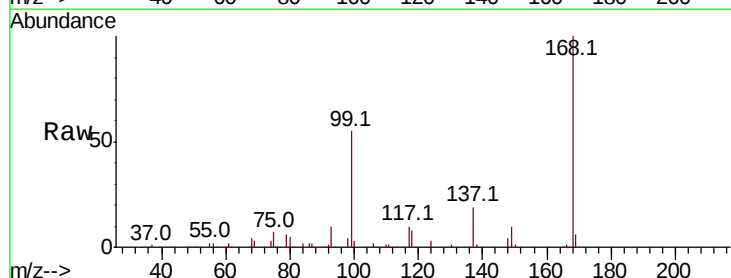
Instrument :
MSVOA_D
ClientSampleId :
CRT014

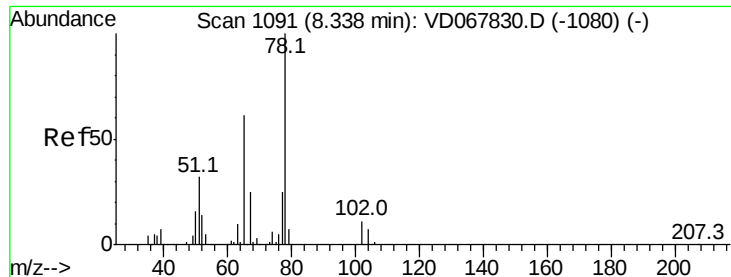
Tot Ion: 84 Resp: 5113
Ion Ratio Lower Upper
84 100
49 62.4 71.4 107.0#
51 15.9 21.8 32.8#
86 52.6 50.6 75.8



#31
Cyclohexane
Concen: 1.849 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067911.D
Acq: 08 Dec 2020 13:14

Tgt Ion: 56 Resp: 5114
Ion Ratio Lower Upper
56 100
69 126.5 32.1 48.1#
84 85.9 93.2 139.8#





#33

1,2-Dichloroethane-d4

Concen: 41.544 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067911.D

Acq: 08 Dec 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

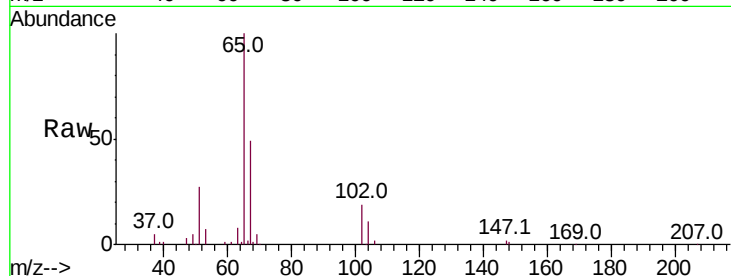
CRT014

Tot Ion: 65 Resp: 109068

Ion Ratio Lower Upper

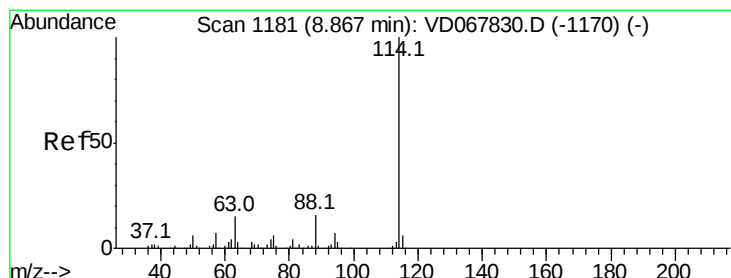
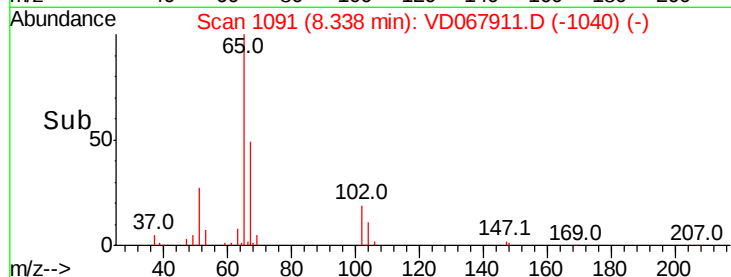
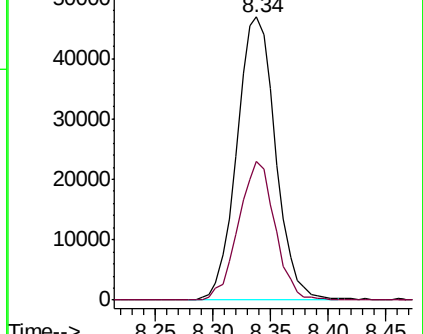
65 100

67 46.2 0.0 92.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD067911.D

Acq: 08 Dec 2020 13:14

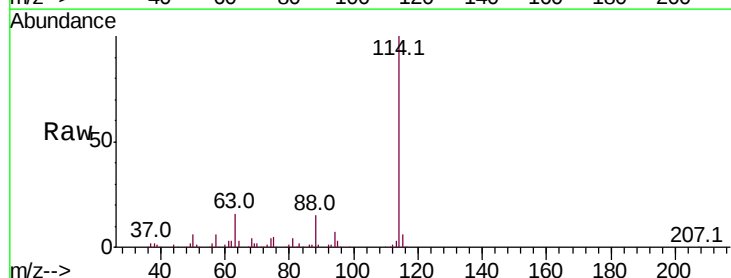
Tgt Ion:114 Resp: 336305

Ion Ratio Lower Upper

114 100

63 16.5 0.0 30.8

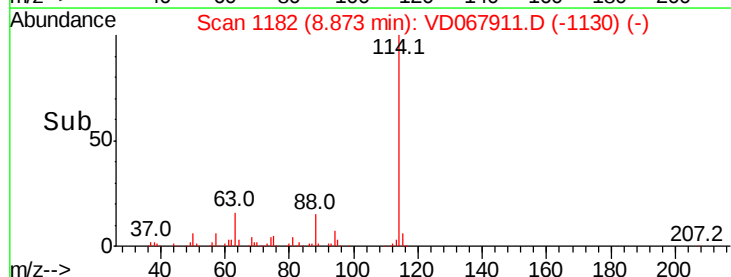
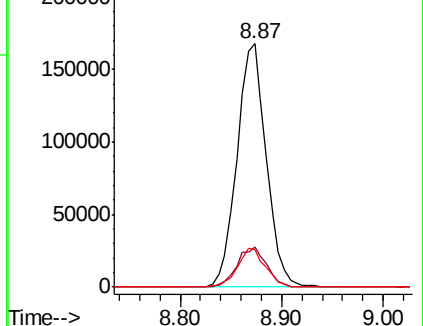
88 15.3 0.0 31.8

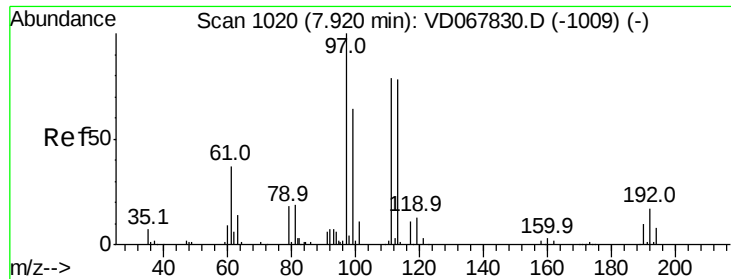


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

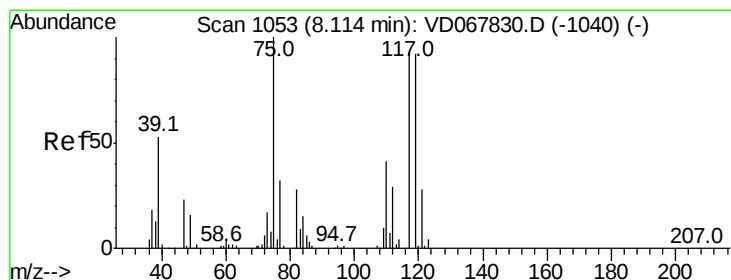
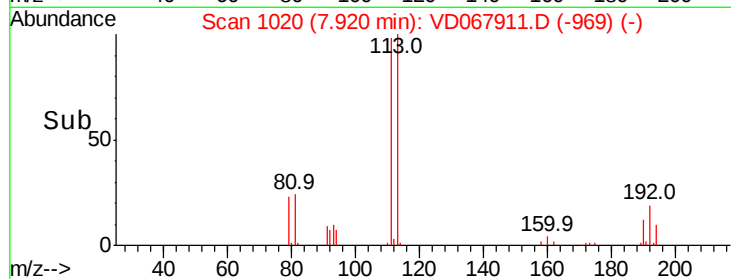
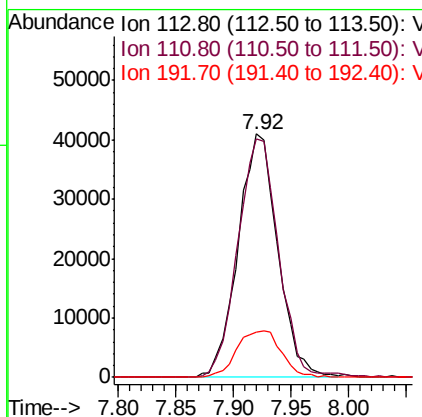
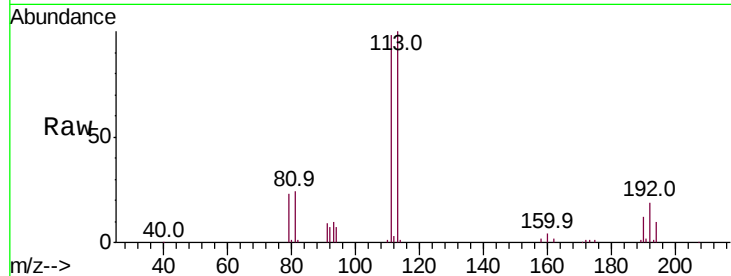




#35
 Dibromofluoromethane
 Concen: 43.472 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067911.D
 Acq: 08 Dec 2020 13:14

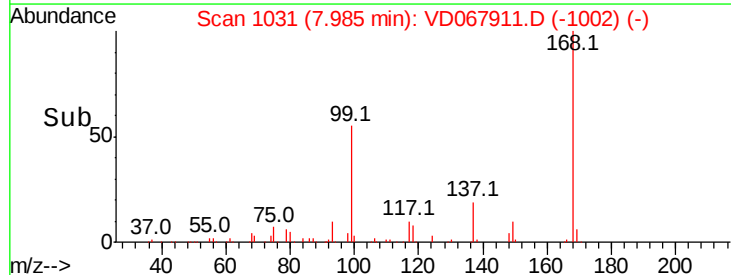
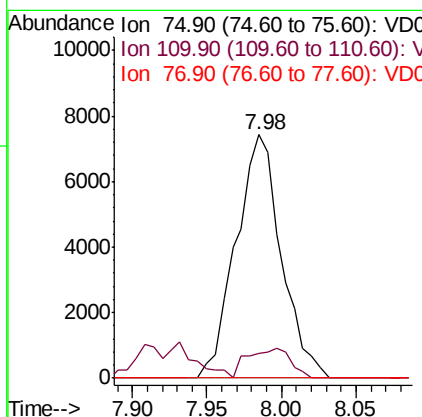
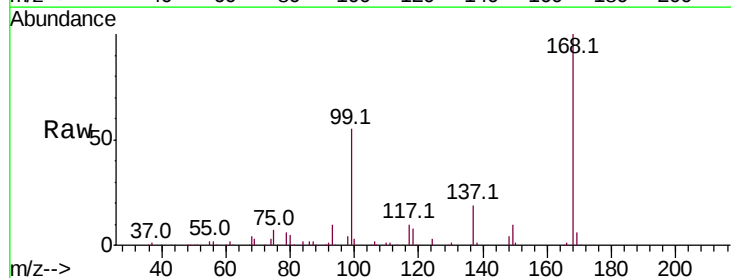
Instrument :
 MSVOA_D
 ClientSampled :
 CRT014

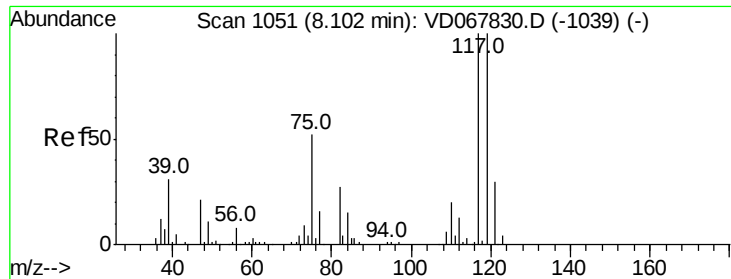
Tot Ion:113 Resp: 97829
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.2 121.8
 192 21.4 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 5.369 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067911.D
 Acq: 08 Dec 2020 13:14

Tgt Ion: 75 Resp: 15630
 Ion Ratio Lower Upper
 75 100
 110 11.5 20.3 61.0#
 77 0.0 24.7 37.1#

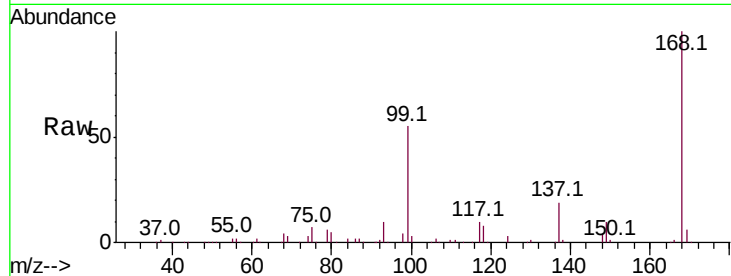




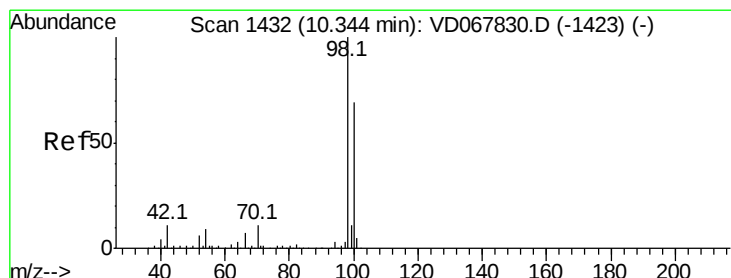
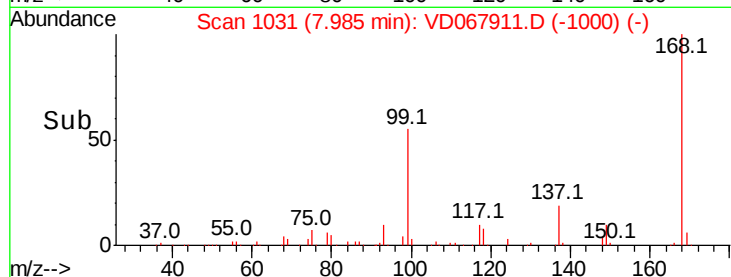
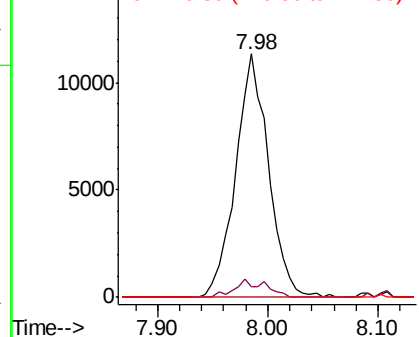
#38
Carbon Tetrachloride
Concen: 5.398 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD067911.D
Acq: 08 Dec 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
CRT014

Tot Ion:117 Resp: 23780
Ion Ratio Lower Upper
117 100
119 4.4 79.7 119.5#
121 0.0 23.8 35.6#

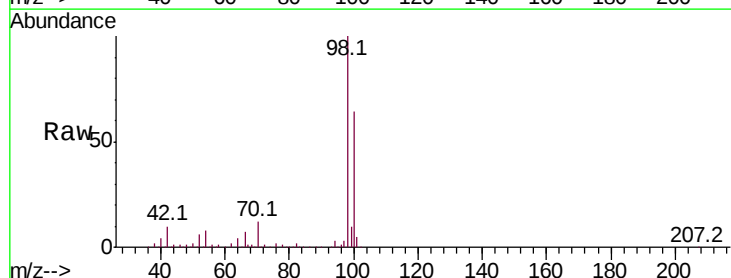


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

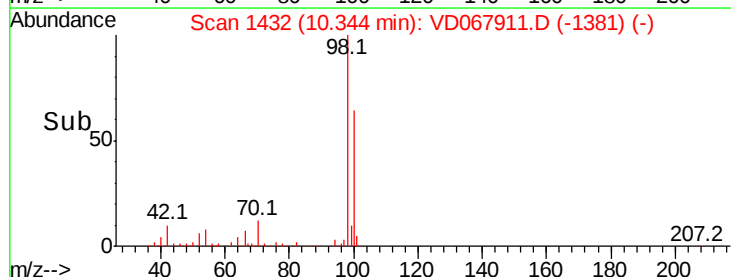
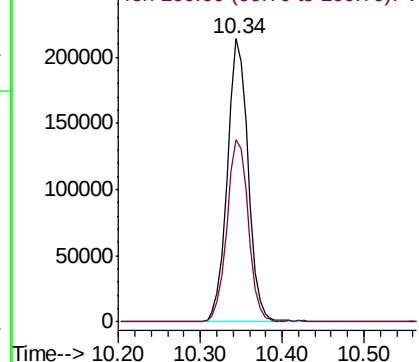


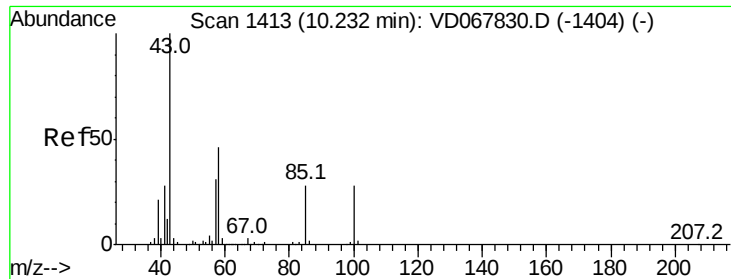
#50
Toluene-d8
Concen: 46.826 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067911.D
Acq: 08 Dec 2020 13:14

Tgt Ion: 98 Resp: 379331
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD





#51

4-Methyl-2-Pentanone

Concen: 2.020 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067911.D

Acq: 08 Dec 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

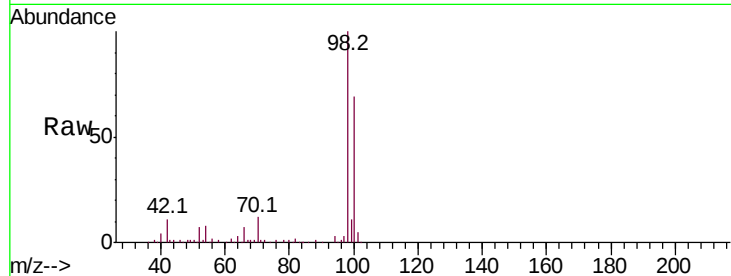
CRT014

Tot Ion: 43 Resp: 1476

Ion Ratio Lower Upper

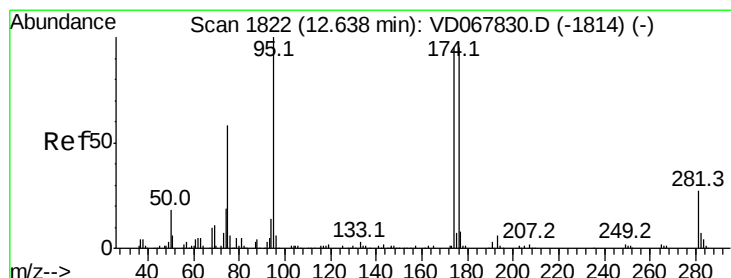
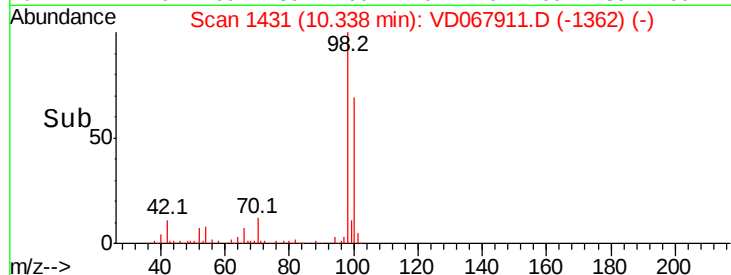
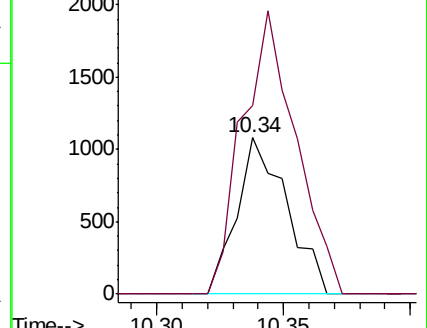
43 100

58 194.7 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 44.318 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067911.D

Acq: 08 Dec 2020 13:14

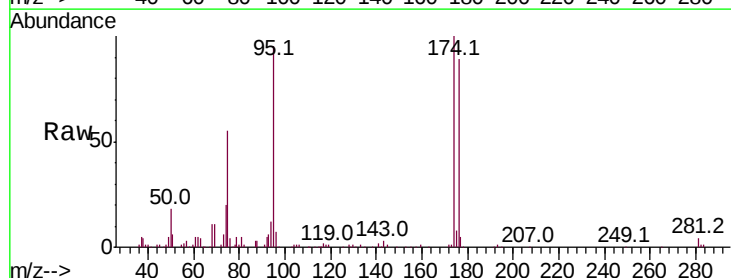
Tgt Ion: 95 Resp: 124121

Ion Ratio Lower Upper

95 100

174 96.0 0.0 186.0

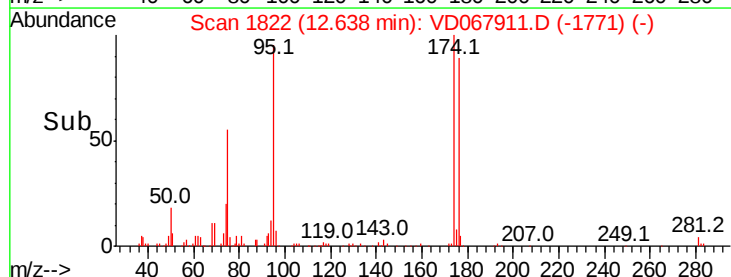
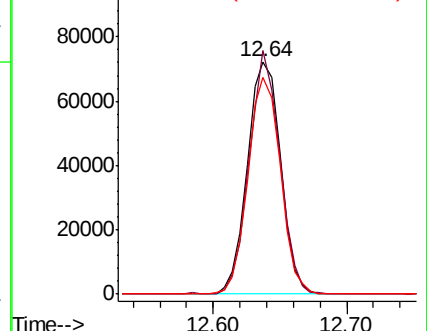
176 90.7 0.0 184.2

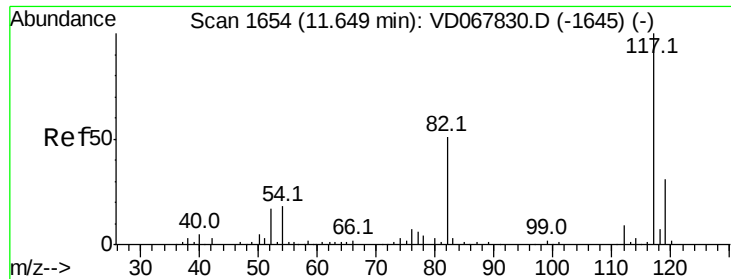


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

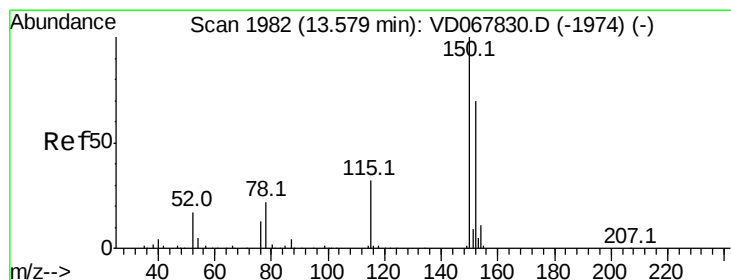
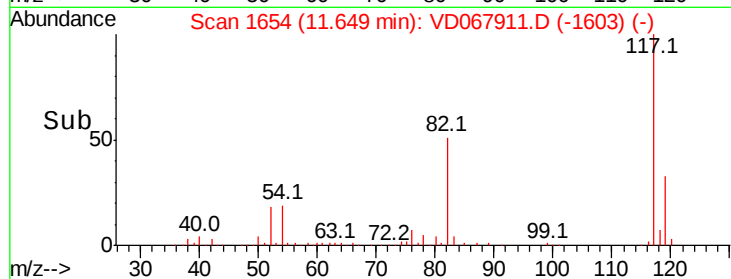
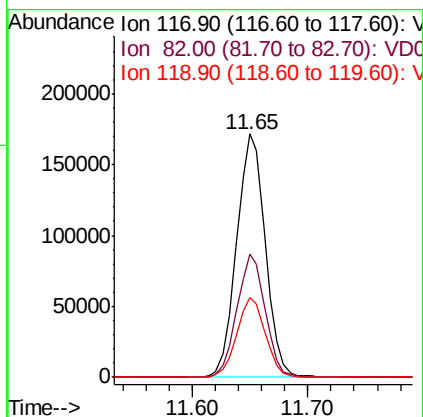
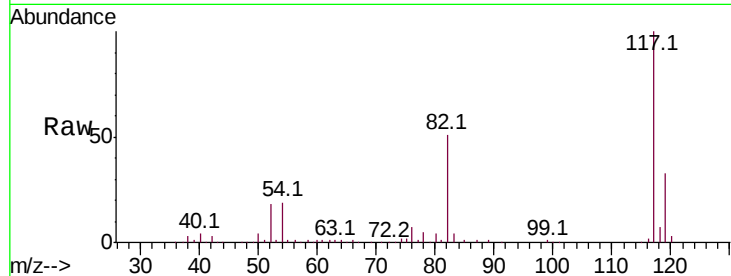




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067911.D
Acq: 08 Dec 2020 13:14

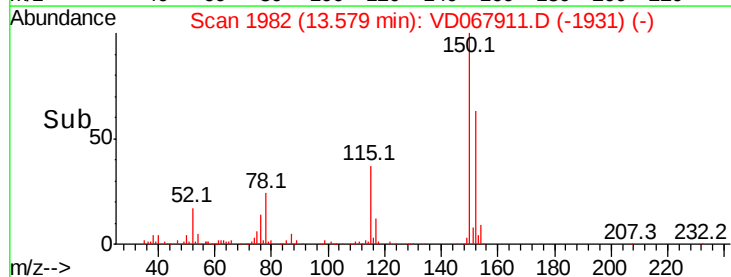
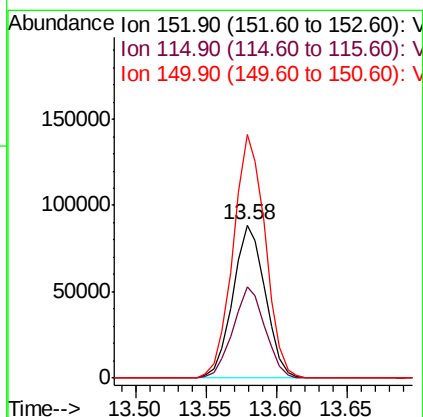
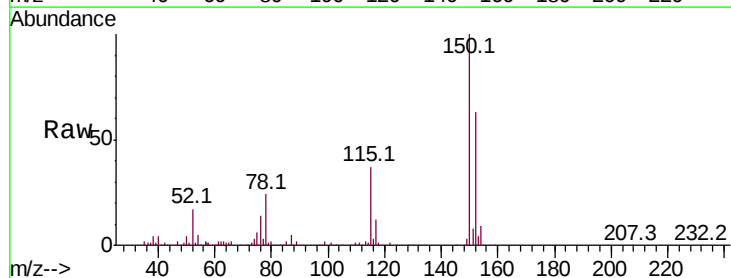
Instrument :
MSVOA_D
ClientSampleId :
CRT014

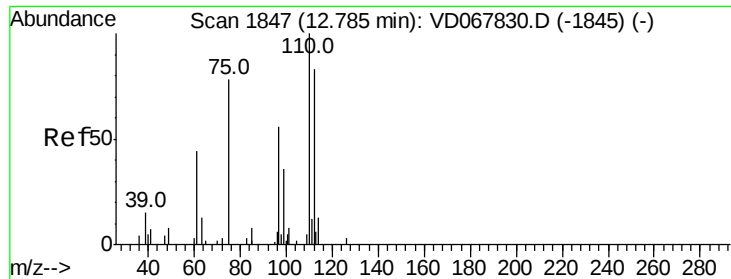
Tot Ion:117 Resp: 294723
Ion Ratio Lower Upper
117 100
82 50.6 40.6 60.8
119 32.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067911.D
Acq: 08 Dec 2020 13:14

Tgt Ion:152 Resp: 141657
Ion Ratio Lower Upper
152 100
115 59.0 29.1 87.4
150 158.0 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 66.776 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067911.D

Acq: 08 Dec 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

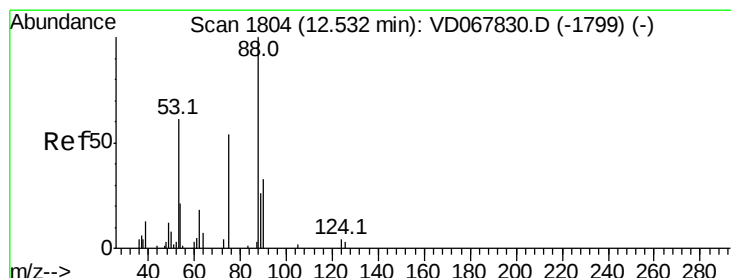
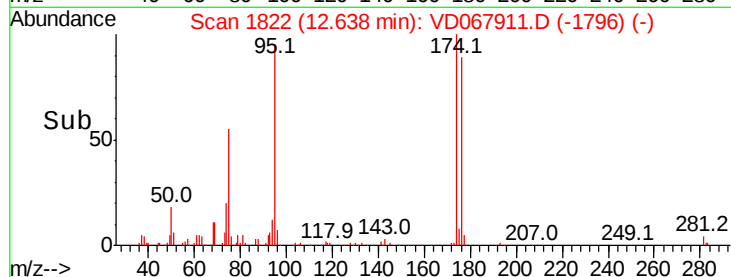
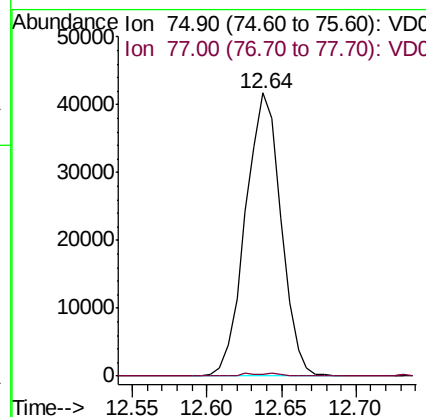
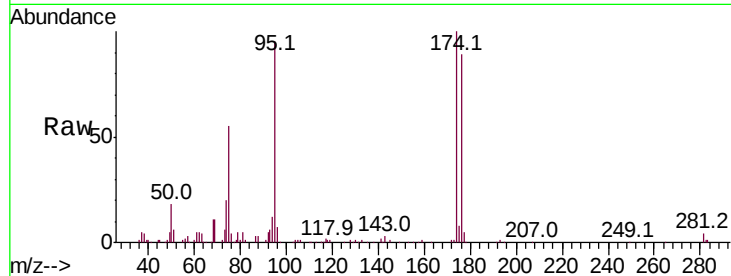
CRT014

Tot Ion: 75 Resp: 68885

Ion Ratio Lower Upper

75 100

77 0.6 175.9 527.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 159.733 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067911.D

Acq: 08 Dec 2020 13:14

Tgt Ion: 75 Resp: 68885

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.0 41.0 61.6#

