

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112020\
 Data File : VD067717.D
 Acq On : 20 Nov 2020 11:39
 Operator : VA/SY
 Sample : VD1120SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 21 00:36:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	247647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	384907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	346913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	172239	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	105005	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
35) Dibromofluoromethane	7.91	113	102094	44.02	ug/l	0.00
Spiked Amount			Recovery	=	88.04%	
50) Toluene-d8	10.34	98	325411	39.93	ug/l	0.00
Spiked Amount			Recovery	=	79.86%	
62) 4-Bromofluorobenzene	12.64	95	115925	41.20	ug/l	0.00
Spiked Amount			Recovery	=	82.40%	

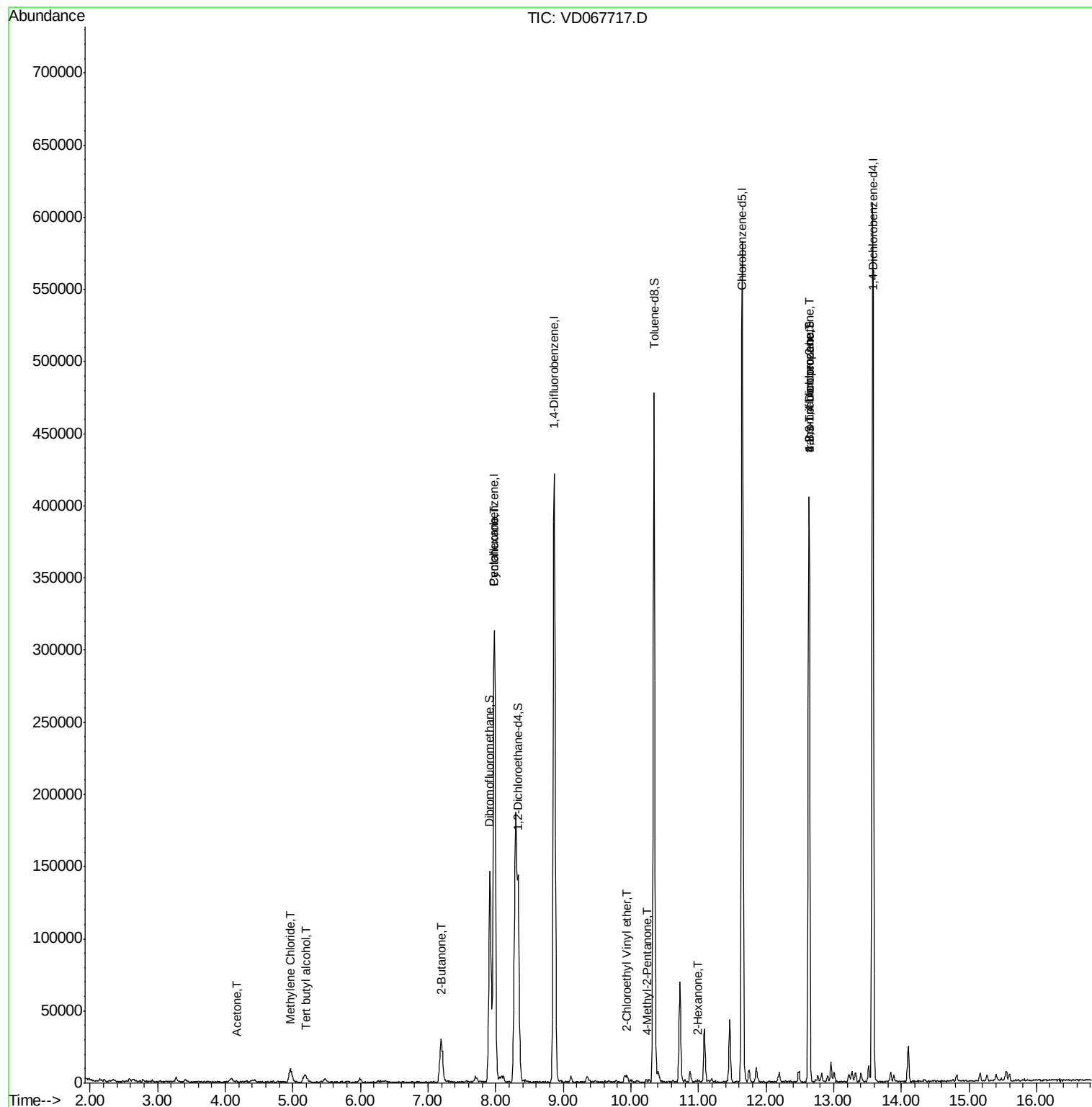
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1163	Below Cal		85
11) Tert butyl alcohol	5.18	59	5037	36.748	ug/l #	79
16) Acetone	4.16	43	1311	4.046	ug/l	89
20) Methylene Chloride	4.97	84	8226	3.594	ug/l #	89
25) 2-Butanone	7.20	43	933	2.695	ug/l #	42
31) Cyclohexane	7.97	56	6231	1.984	ug/l #	36
51) 4-Methyl-2-Pentanone	10.24	43	1027	1.269	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.94	63	1832	2.344	ug/l #	85
59) 2-Hexanone	10.99	43	738	1.305	ug/l	82
76) 1,2,3-Trichloropropane	12.63	75	62040	59.709	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	62040	121.225	ug/l #	10

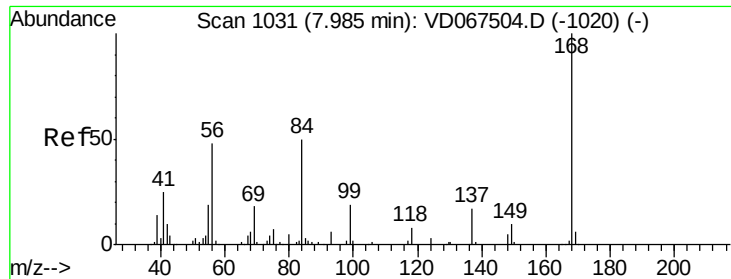
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112020\
Data File : VD067717.D
Acq On : 20 Nov 2020 11:39
Operator : VA/SY
Sample : VD1120SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 21 00:36:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 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: VD067717.D

Acq: 20 Nov 2020 11:39

Instrument :

MSVOA_D

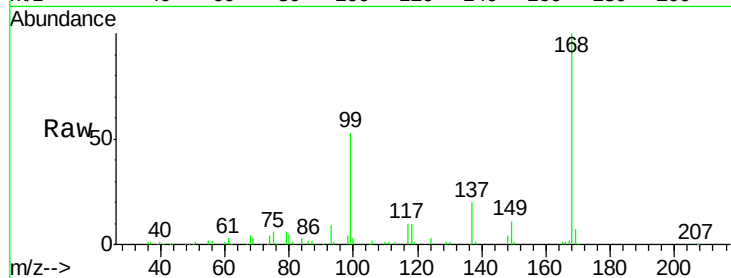
ClientSampled :

Tot Ion:168 Resp: 247647

Ion Ratio Lower Upper

168 100

99 52.3 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

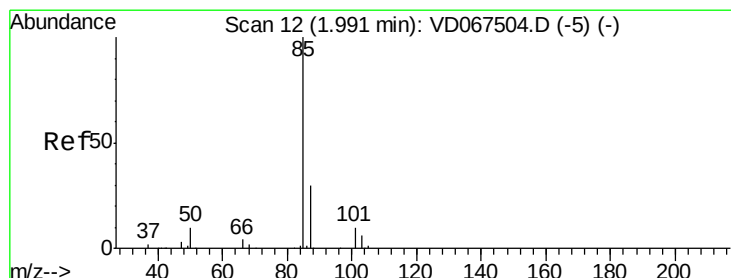
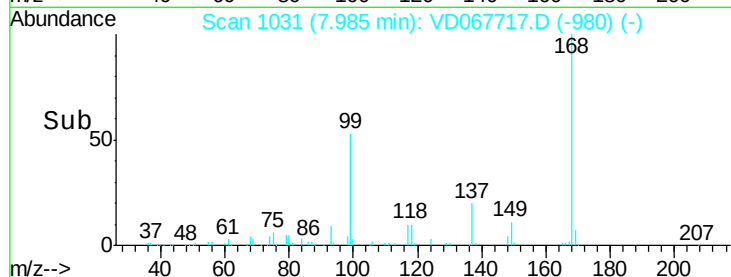
60000

40000

20000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067717.D

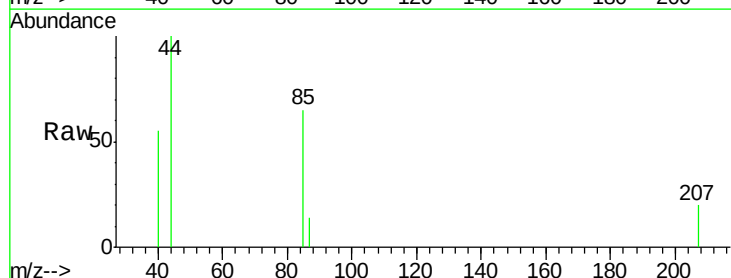
Acq: 20 Nov 2020 11:39

Tgt Ion: 85 Resp: 1163

Ion Ratio Lower Upper

85 100

87 22.3 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

800

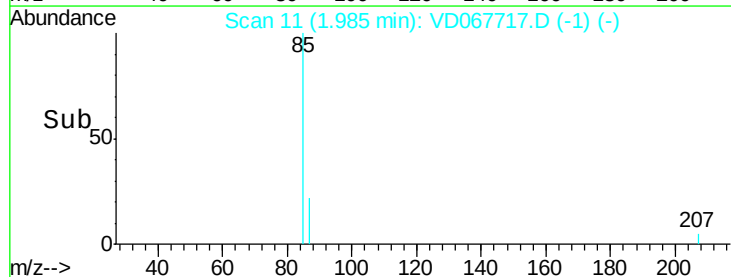
600

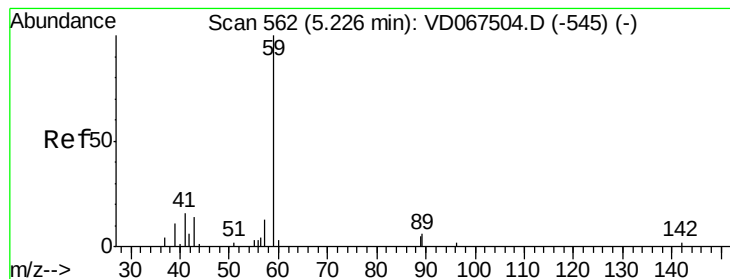
400

200

0

Time--> 1.95 2.00



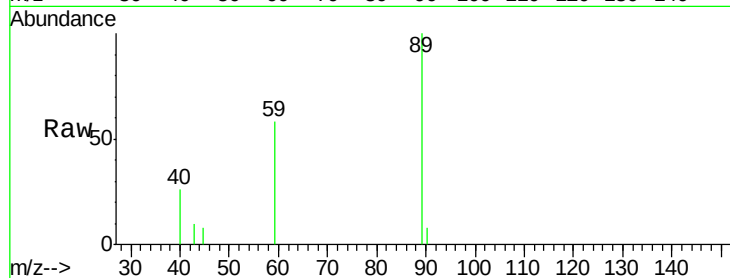


#11

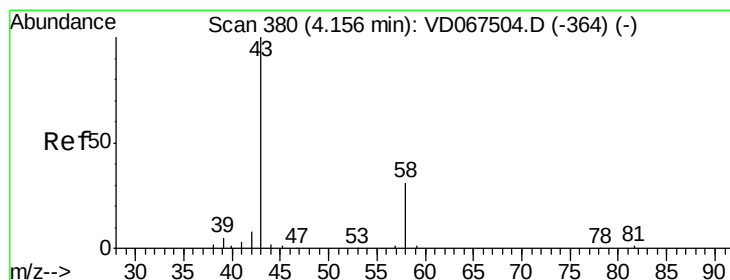
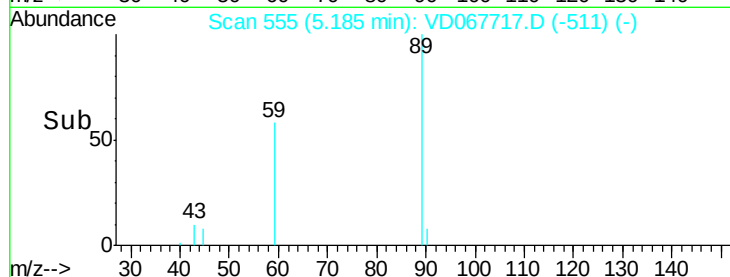
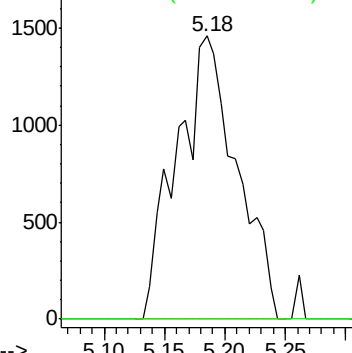
Tert butyl alcohol
 Concen: 36.748 ug/l
 RT: 5.18 min Scan# 555
 Delta R.T. -0.04 min
 Lab File: VD067717.D
 Acq: 20 Nov 2020 11:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 5037
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#



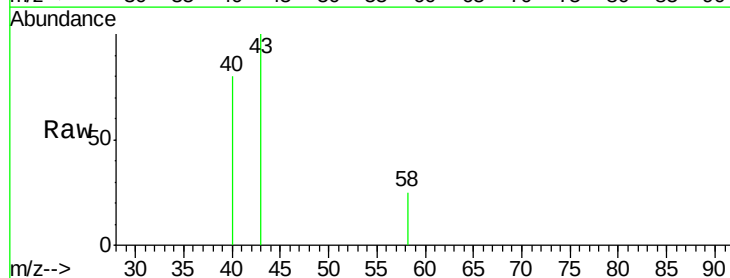
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



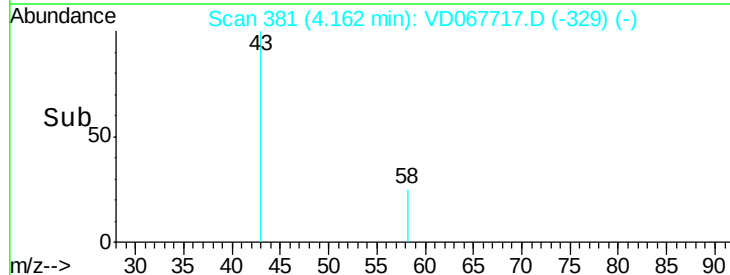
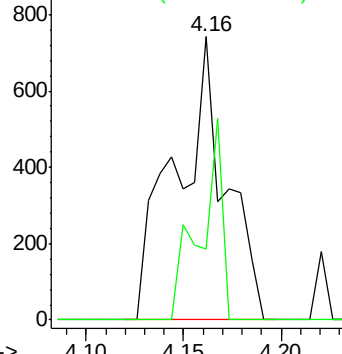
#16

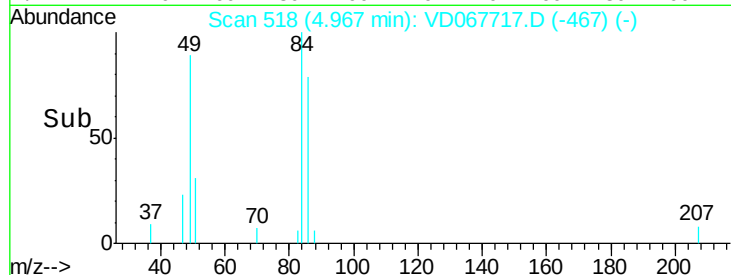
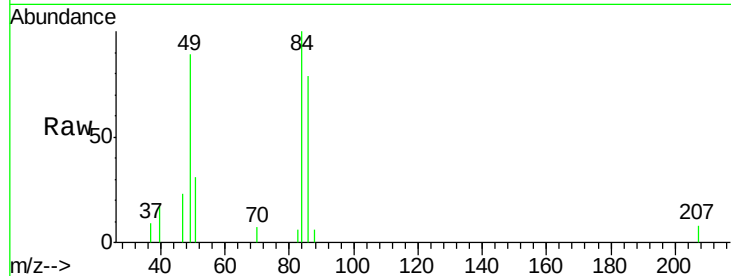
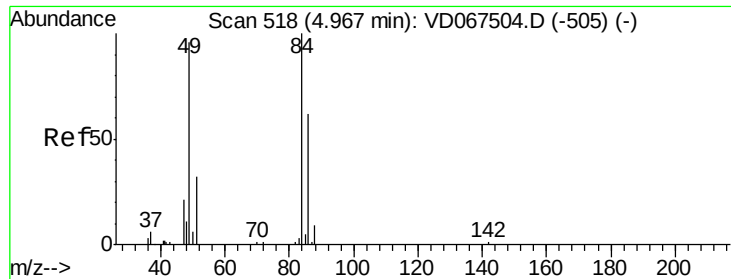
Acetone
 Concen: 4.046 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD067717.D
 Acq: 20 Nov 2020 11:39

Tgt Ion: 43 Resp: 1311
 Ion Ratio Lower Upper
 43 100
 58 25.2 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

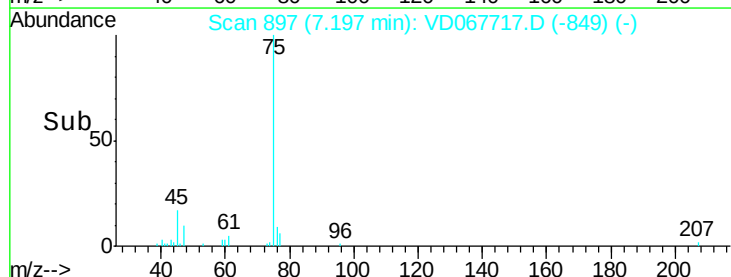
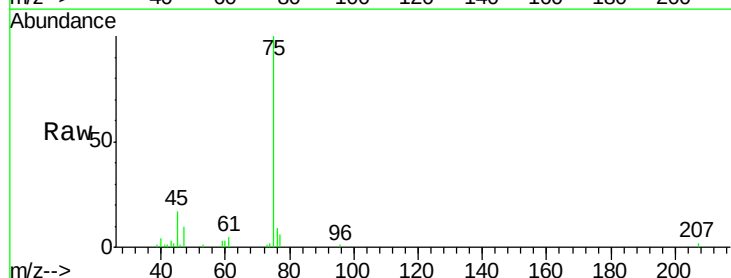
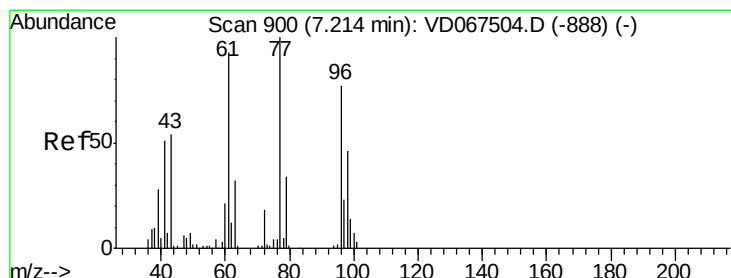
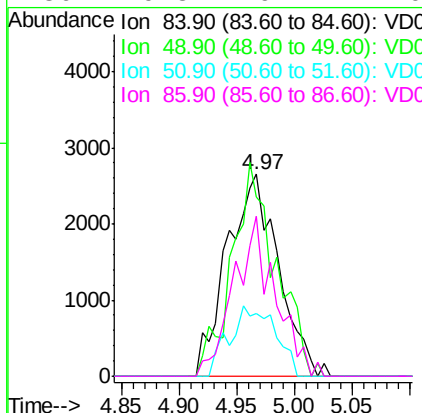




#20
Methylene Chloride
Concen: 3.594 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067717.D
Acq: 20 Nov 2020 11:39

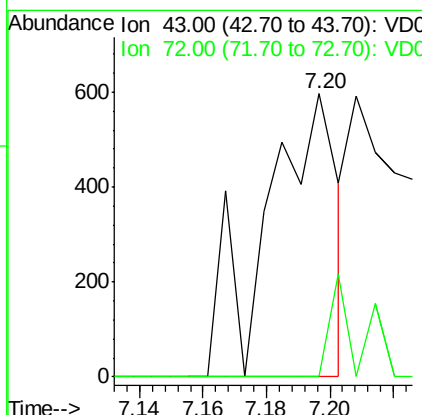
Instrument :
MSVOA_D
ClientSampled :

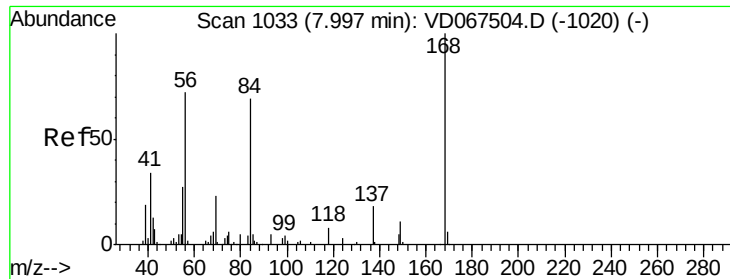
Tot Ion: 84 Resp: 8226
Ion Ratio Lower Upper
84 100
49 89.0 77.0 115.4
51 31.3 25.4 38.2
86 79.3 49.4 74.0#



#25
2-Butanone
Concen: 2.695 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.02 min
Lab File: VD067717.D
Acq: 20 Nov 2020 11:39

Tgt Ion: 43 Resp: 933
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#

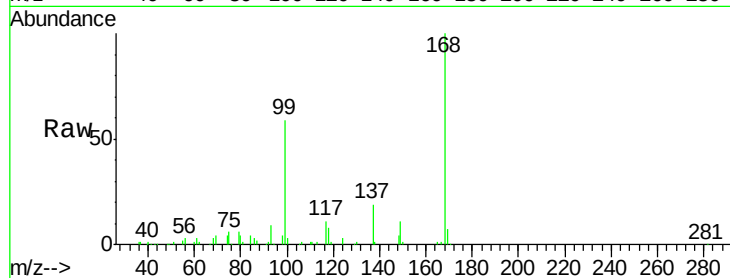




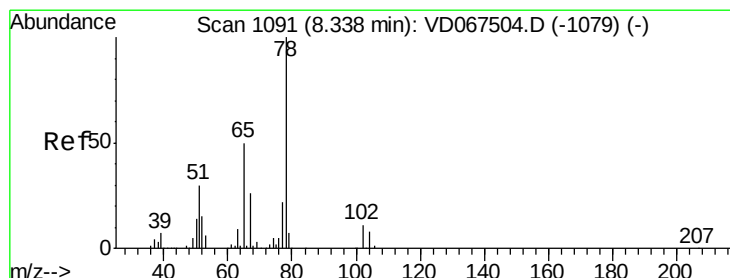
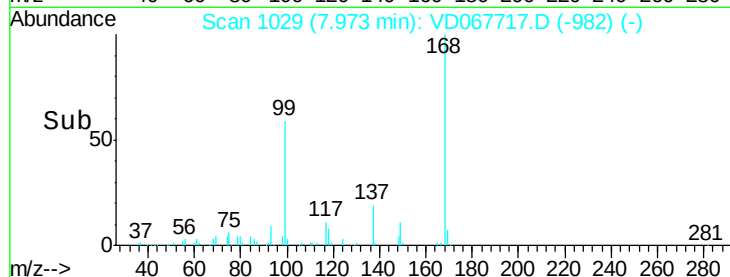
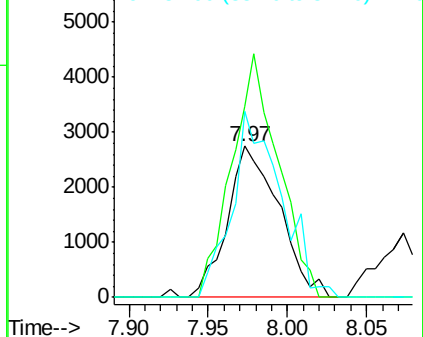
#31
Cyclohexane
Concen: 1.984 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VD067717.D
Acq: 20 Nov 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 6231
Ion Ratio Lower Upper
56 100
69 127.0 25.9 38.9#
84 122.9 76.2 114.4#

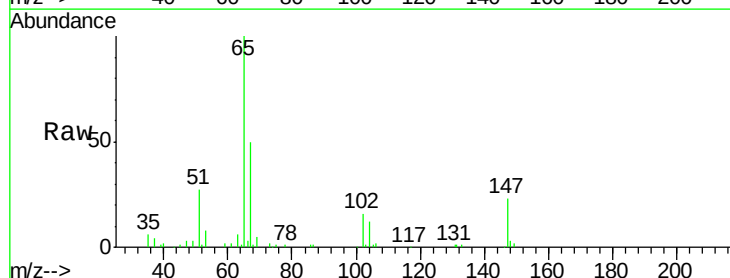


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

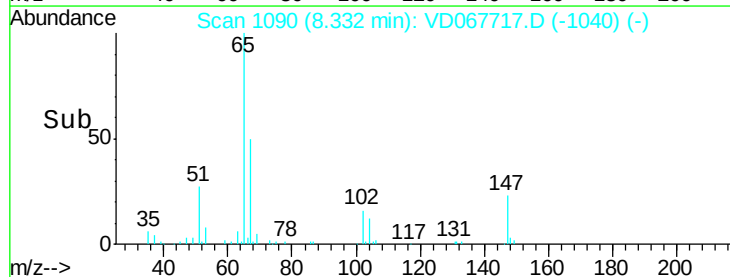
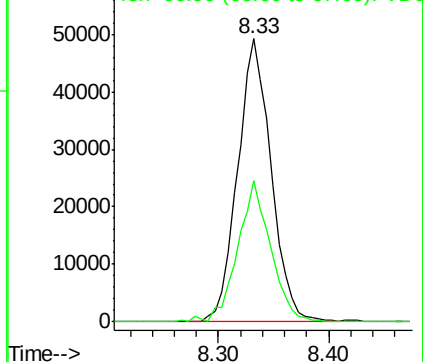


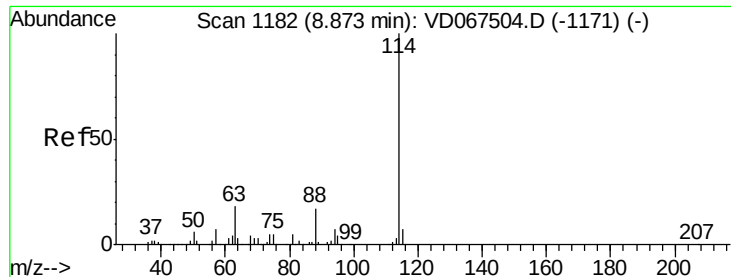
#33
1,2-Dichloroethane-d4
Concen: 48.492 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067717.D
Acq: 20 Nov 2020 11:39

Tgt Ion: 65 Resp: 105005
Ion Ratio Lower Upper
65 100
67 48.9 0.0 99.4



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# 1181

Delta R.T. -0.01 min

Lab File: VD067717.D

Acq: 20 Nov 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

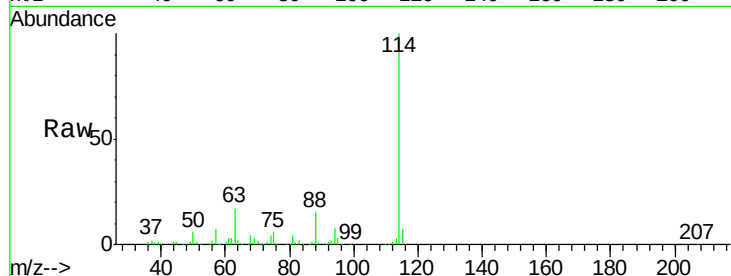
Tot Ion:114 Resp: 384907

Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.0

88 15.4 0.0 33.0



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

250000

200000

150000

100000

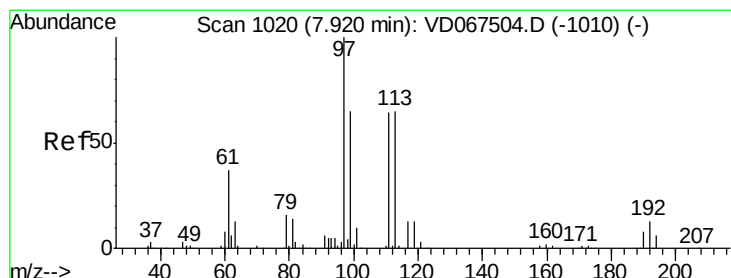
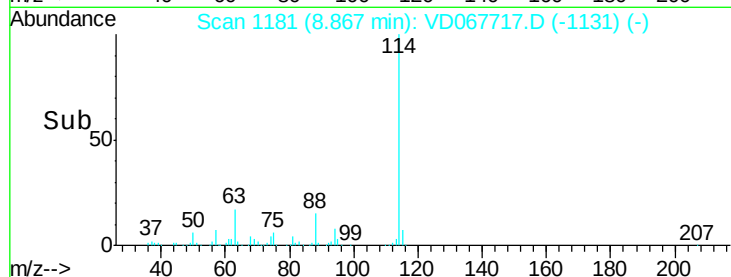
50000

0

8.87

8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 44.024 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD067717.D

Acq: 20 Nov 2020 11:39

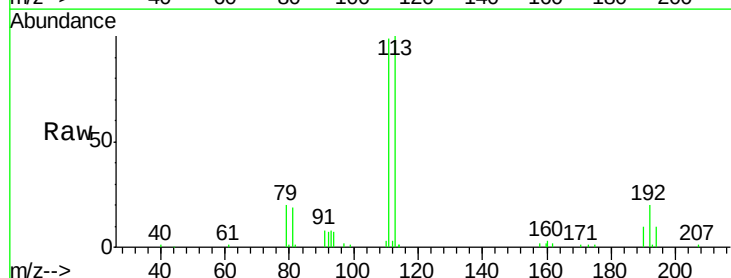
Tgt Ion:113 Resp: 102094

Ion Ratio Lower Upper

113 100

111 99.5 80.0 120.0

192 20.6 16.3 24.5



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

60000

50000

40000

30000

20000

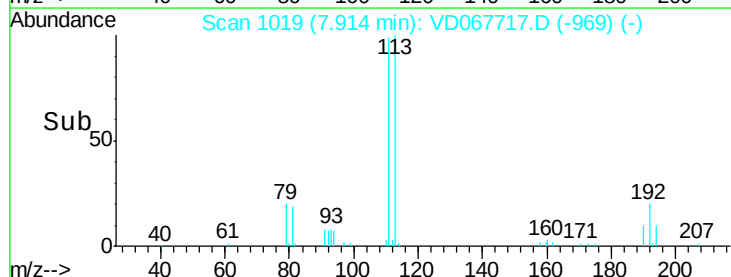
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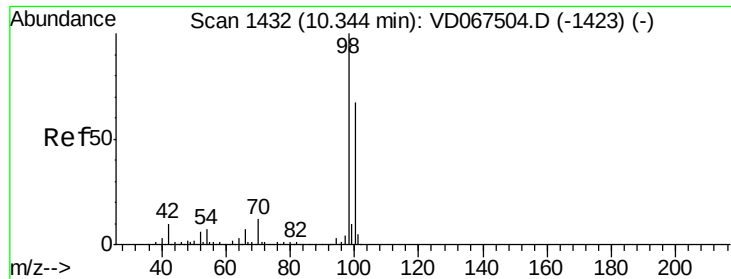
0

7.91

7.80 7.90 8.00

Time-->

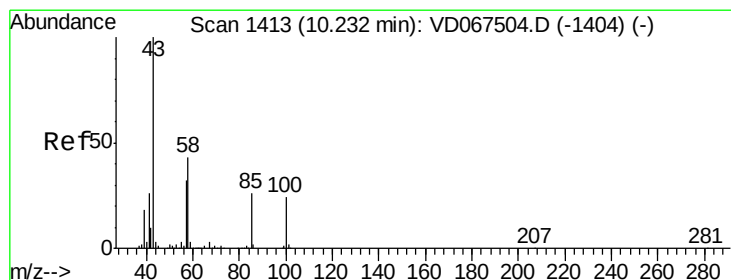
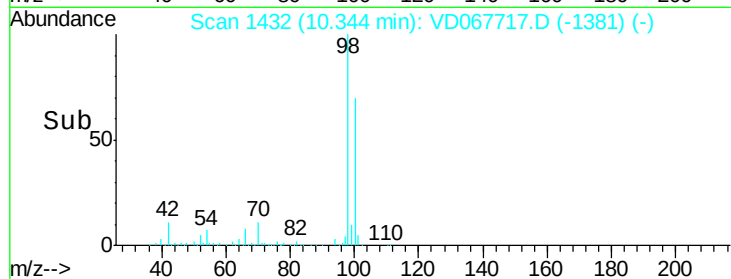
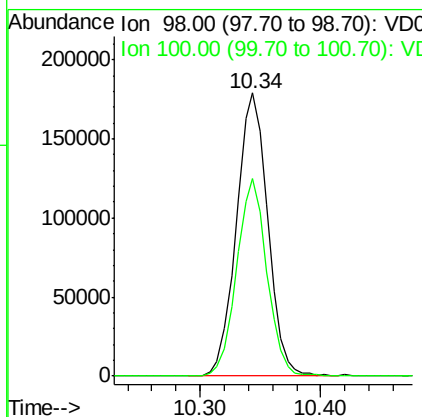
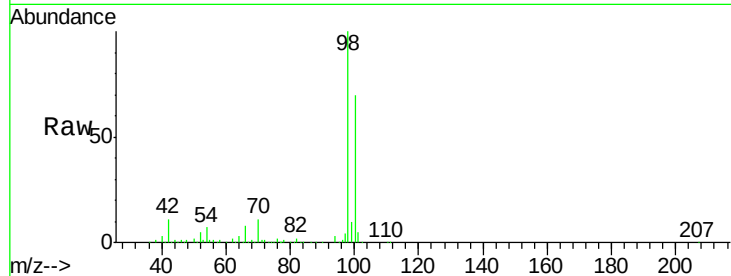




#50
Toluene-d8
Concen: 39.929 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067717.D
Acq: 20 Nov 2020 11:39

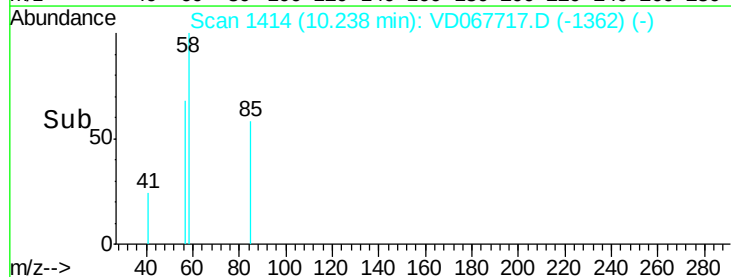
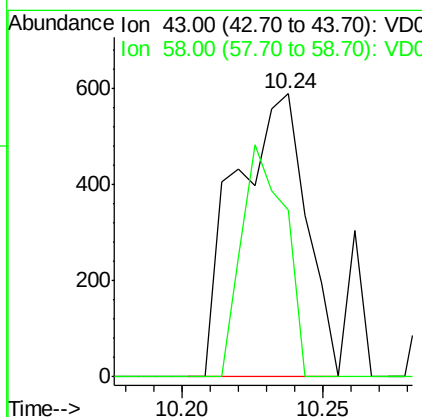
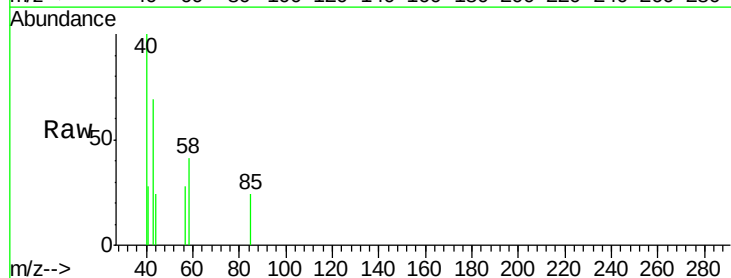
Instrument :
MSVOA_D
ClientSampled :

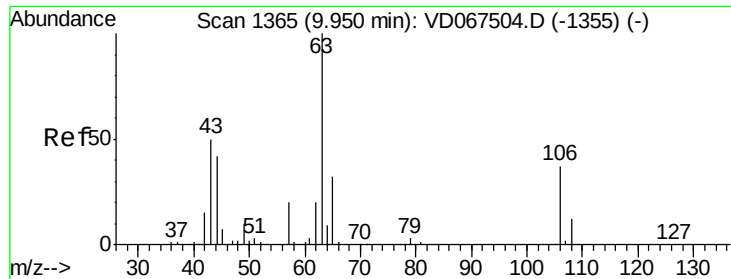
Tot Ion: 98 Resp: 325411
Ion Ratio Lower Upper
98 100
100 67.4 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.269 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD067717.D
Acq: 20 Nov 2020 11:39

Tgt Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
58 50.3 35.6 53.4

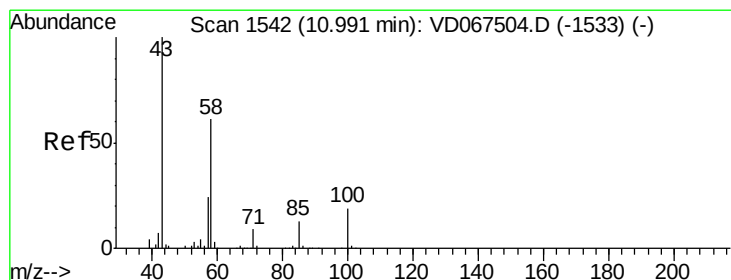
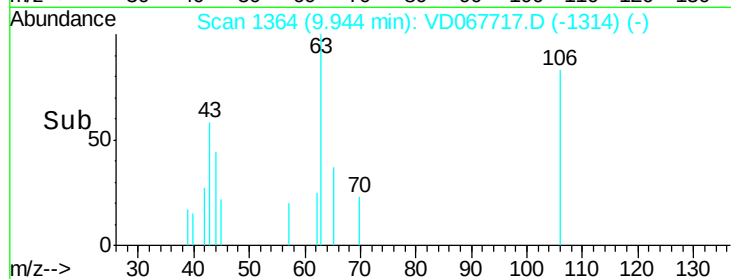
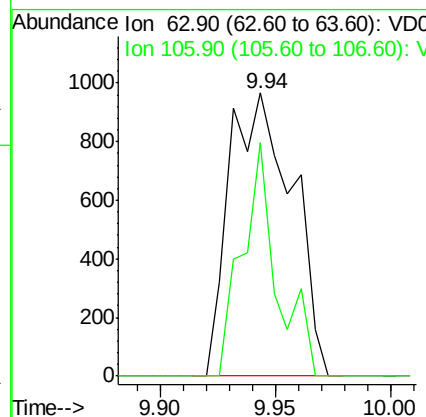
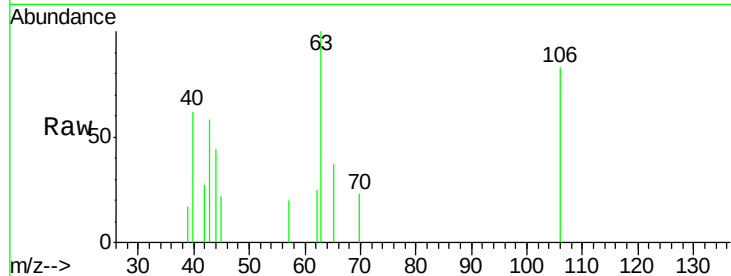




#58
2-Chloroethyl Vinyl ether
Concen: 2.344 ug/l
RT: 9.94 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VD067717.D
Acq: 20 Nov 2020 11:39

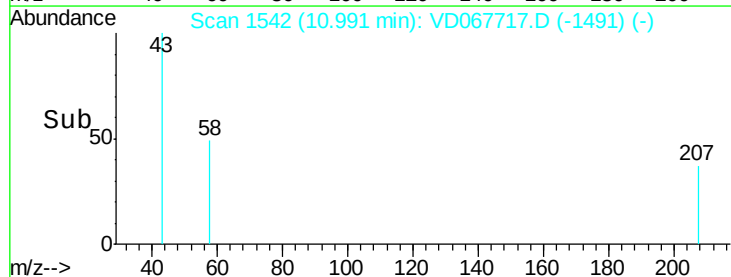
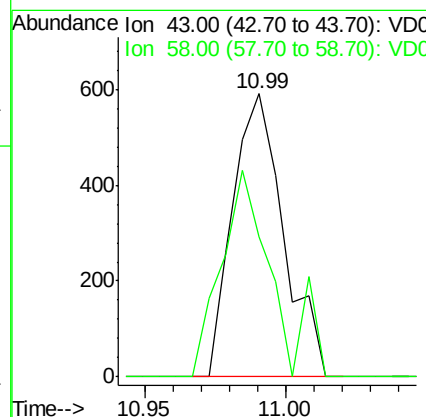
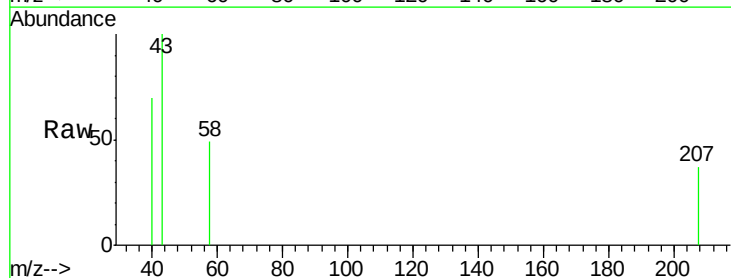
Instrument :
MSVOA_D
ClientSampleId :

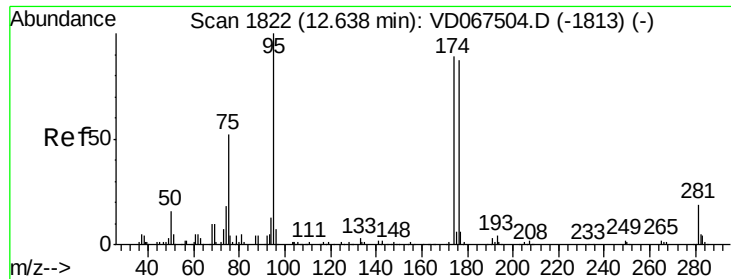
Tot Ion: 63 Resp: 1832
Ion Ratio Lower Upper
63 100
106 45.5 29.2 43.8#



#59
2-Hexanone
Concen: 1.305 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067717.D
Acq: 20 Nov 2020 11:39

Tgt Ion: 43 Resp: 738
Ion Ratio Lower Upper
43 100
58 74.0 30.3 90.9

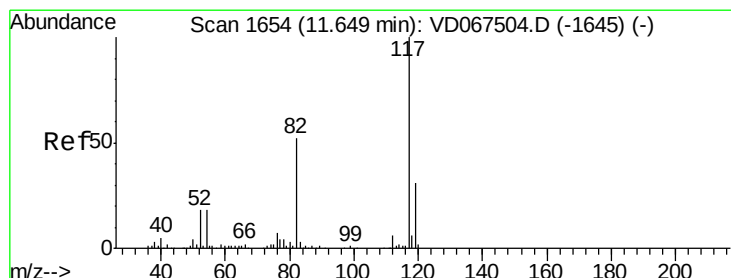
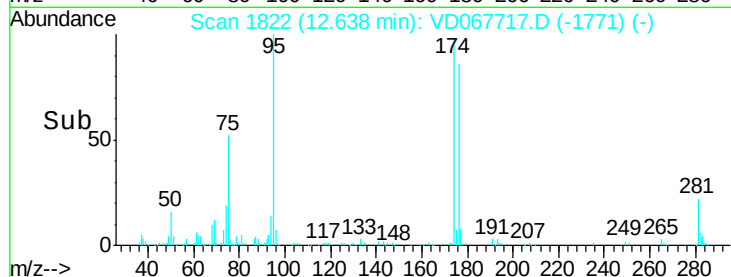
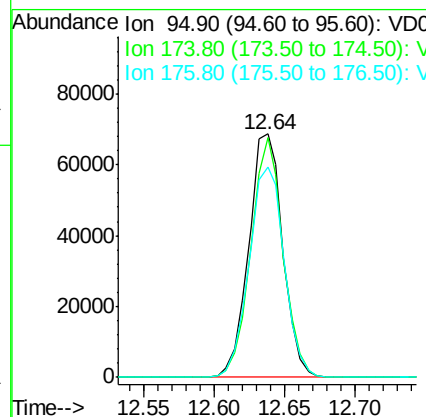
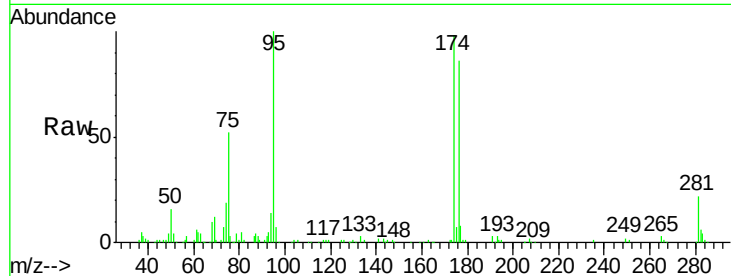




#62
4-Bromofluorobenzene
Concen: 41.201 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067717.D
Acq: 20 Nov 2020 11:39

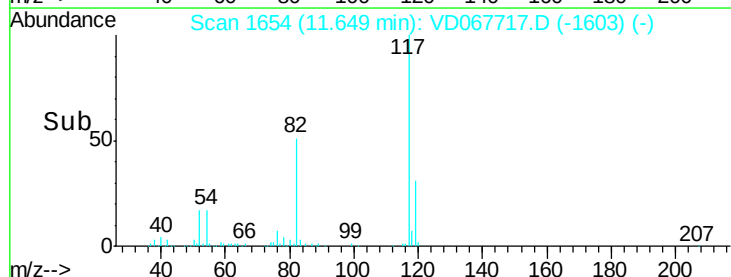
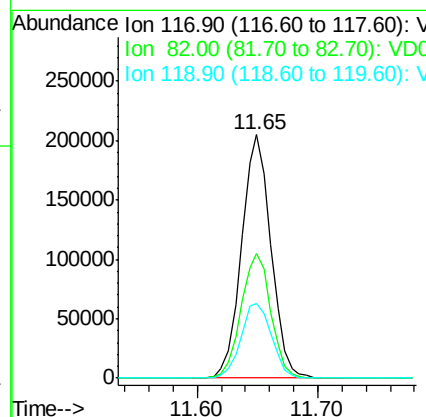
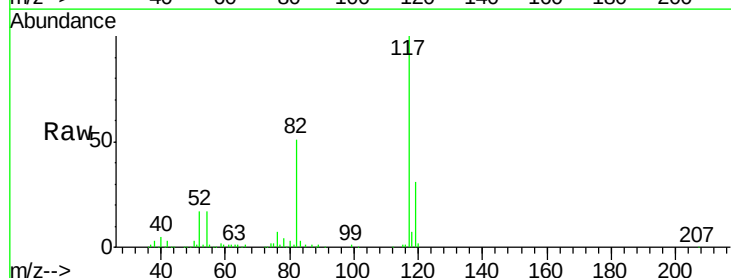
Instrument :
MSVOA_D
ClientSampleId :

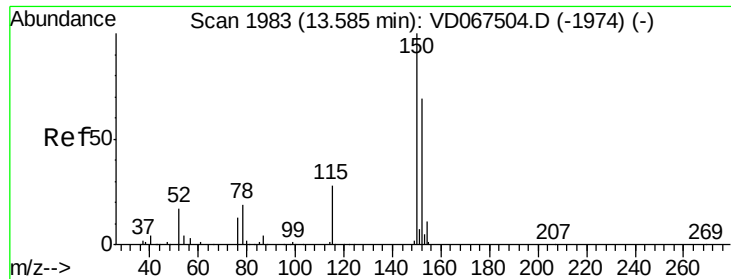
Tot Ion: 95 Resp: 115925
Ion Ratio Lower Upper
95 100
174 92.7 0.0 177.8
176 89.2 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067717.D
Acq: 20 Nov 2020 11:39

Tgt Ion: 117 Resp: 346913
Ion Ratio Lower Upper
117 100
82 51.3 41.6 62.4
119 30.5 25.1 37.7

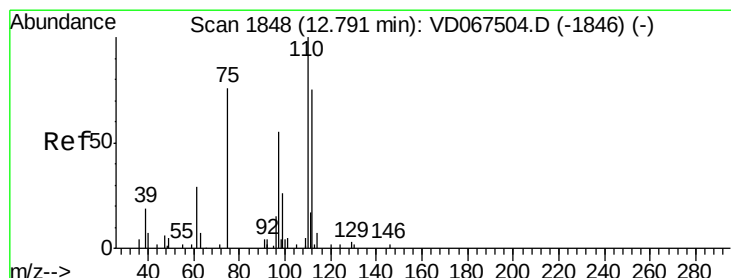
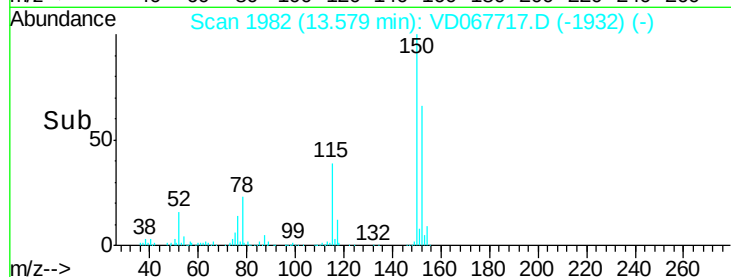
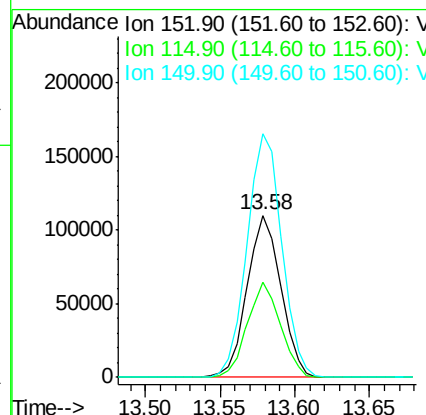
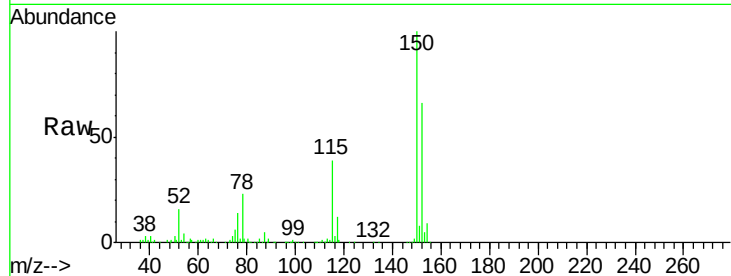




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. -0.01 min
 Lab File: VD067717.D
 Acq: 20 Nov 2020 11:39

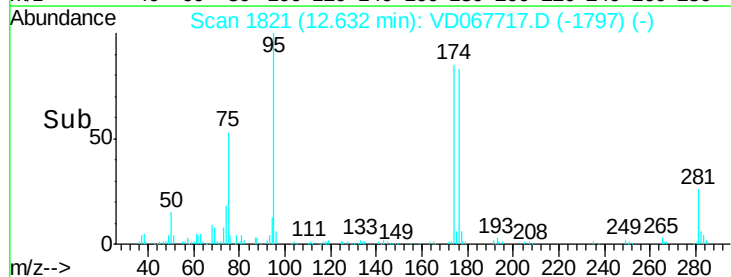
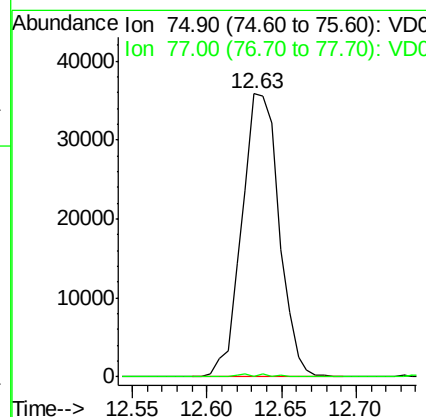
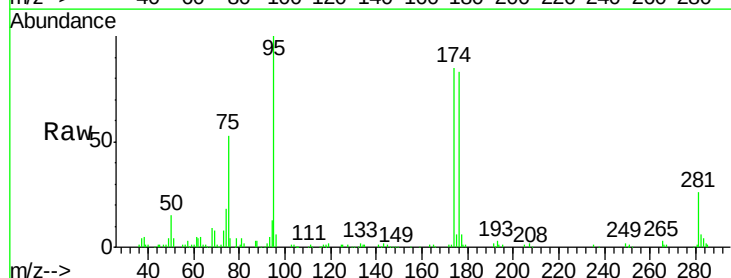
Instrument :
 MSVOA_D
 ClientSampleId :

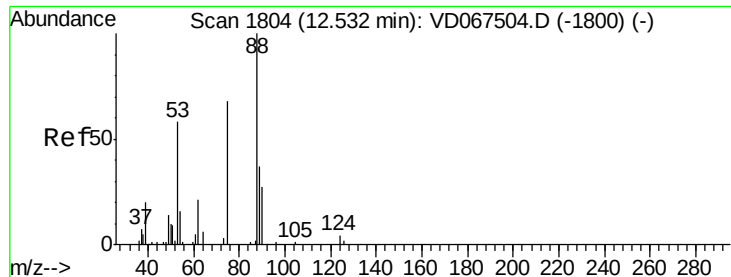
Tot Ion:152 Resp: 172239
 Ion Ratio Lower Upper
 152 100
 115 57.8 29.3 88.0
 150 154.6 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 59.709 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.16 min
 Lab File: VD067717.D
 Acq: 20 Nov 2020 11:39

Tgt Ion: 75 Resp: 62040
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 121.225 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD067717.D

Acq: 20 Nov 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

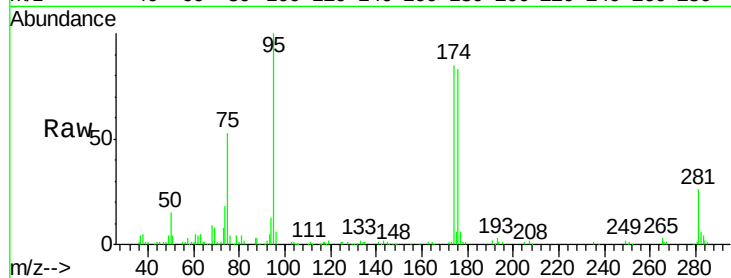
Tot Ion: 75 Resp: 62040

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.4 44.6 67.0#



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

