

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102220\
 Data File : VD067363.D
 Acq On : 22 Oct 2020 15:38
 Operator : VA/SY
 Sample : L4491-01
 Misc : 7.33G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-1

Quant Time: Oct 23 06:09:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	331208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	543713	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	522056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258716	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	168710	50.84	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.92	113	171113	47.29	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.34	98	645230	49.27	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.64	95	228076	50.09	ug/l	0.00
Spiked Amount						

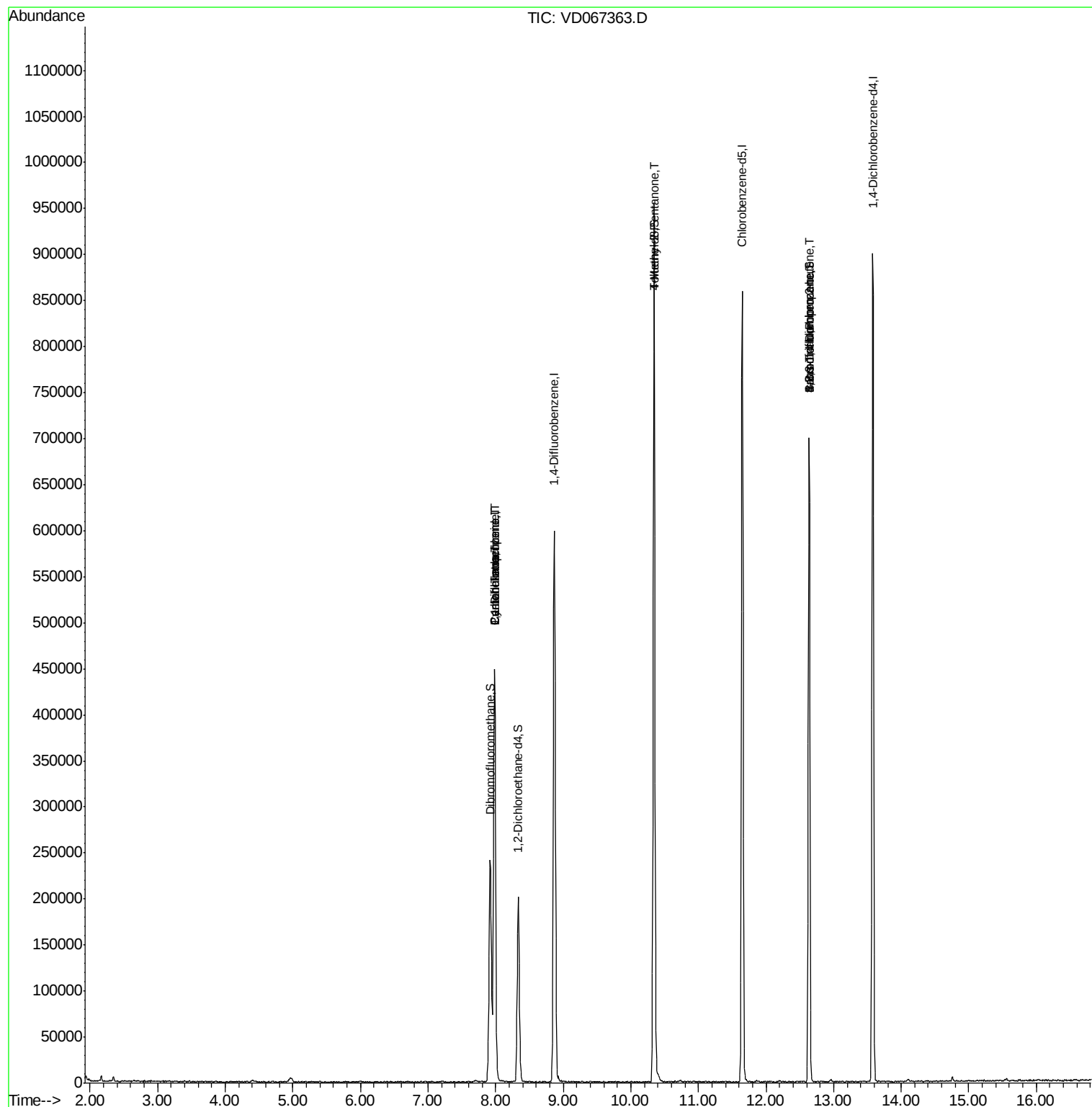
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	207	Below Cal	#	44
5) Bromomethane	2.79	94	133	Below Cal		87
20) Methylene Chloride	4.97	84	3435	Below Cal	#	88
31) Cyclohexane	7.99	56	6479	1.695	ug/l #	24
36) 1,1-Dichloropropene	7.98	75	22611	4.907	ug/l #	50
38) Carbon Tetrachloride	7.99	117	35323	5.997	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2133	1.590	ug/l #	1
71) Bromoform	12.64	173	2152	1.007	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	115829	64.595	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	115829	146.483	ug/l #	10

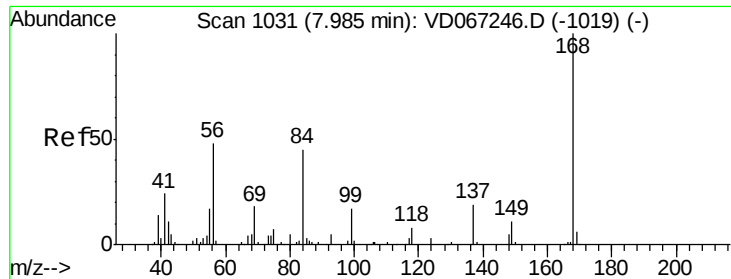
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102220\
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COMP-1

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Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067363.D

Acq: 22 Oct 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

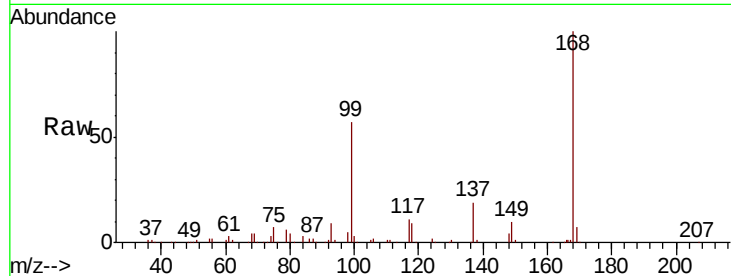
COMP-1

Tot Ion:168 Resp: 331208

Ion Ratio Lower Upper

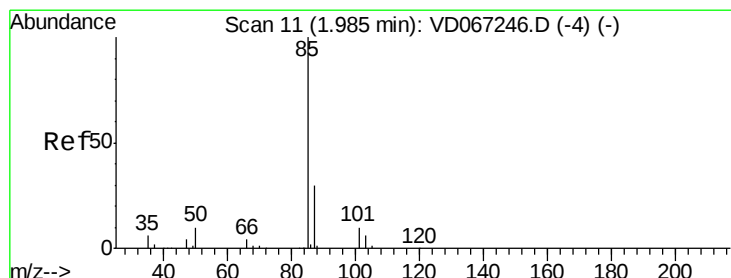
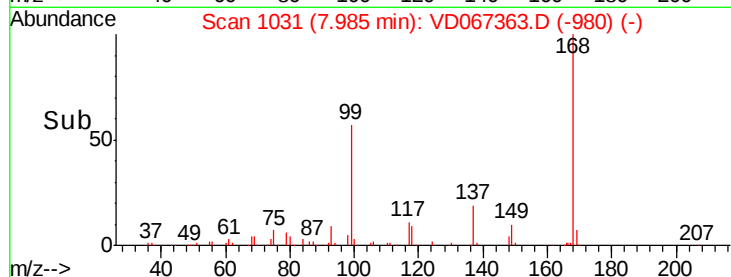
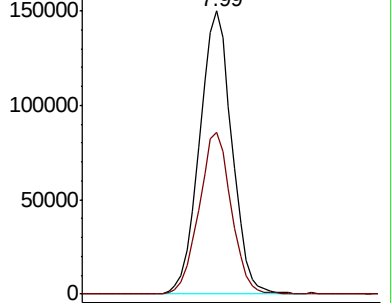
168 100

99 57.2 45.9 68.9



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: VD067363.D

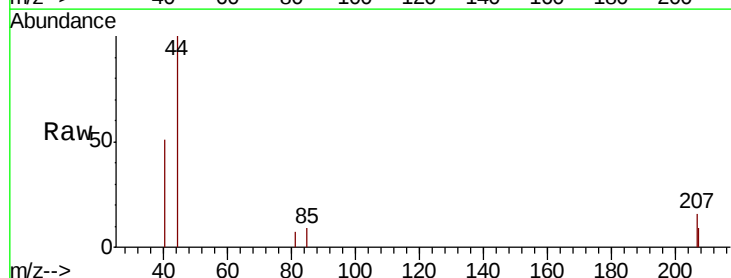
Acq: 22 Oct 2020 15:38

Tgt Ion: 85 Resp: 207

Ion Ratio Lower Upper

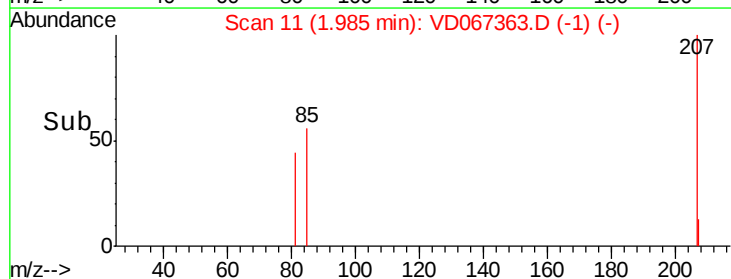
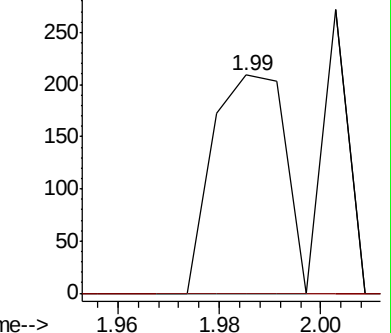
85 100

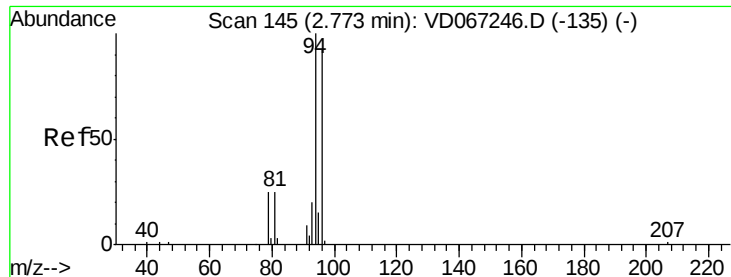
87 0.0 15.2 45.6#



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: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067363.D

Acq: 22 Oct 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

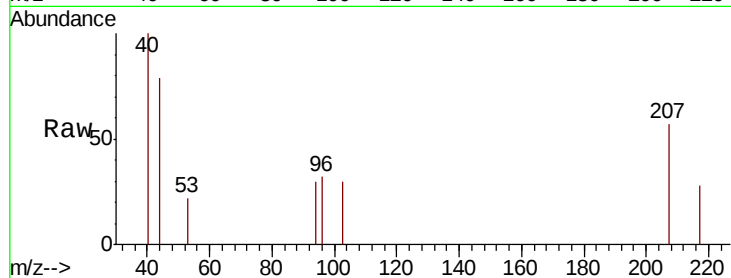
COMP-1

Tot Ion: 94 Resp: 133

Ion Ratio Lower Upper

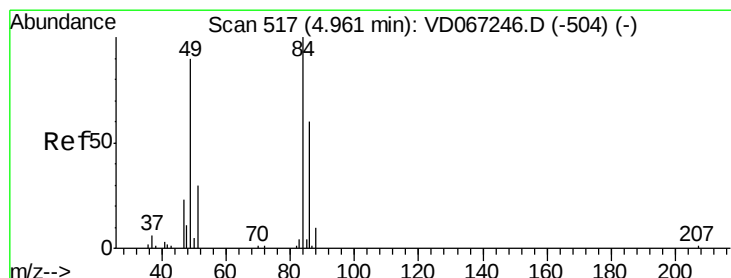
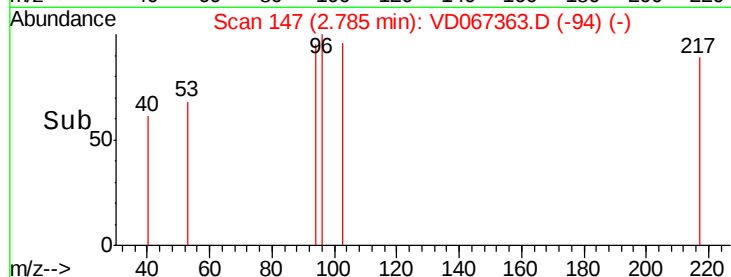
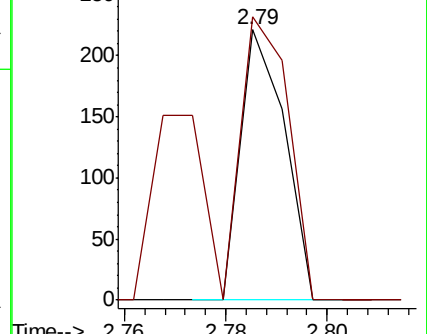
94 100

96 105.0 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067363.D

Acq: 22 Oct 2020 15:38

Tgt Ion: 84 Resp: 3435

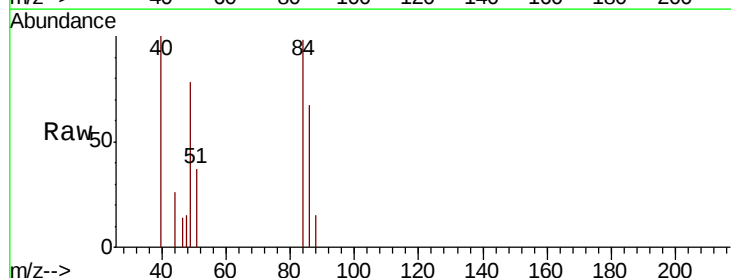
Ion Ratio Lower Upper

84 100

49 79.7 72.2 108.2

51 37.8 23.8 35.8#

86 68.8 48.2 72.4

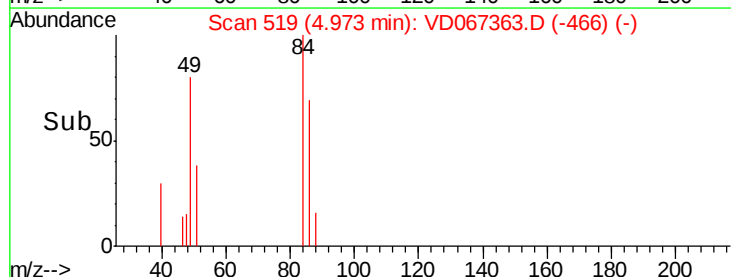
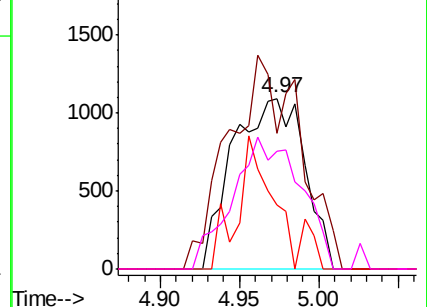


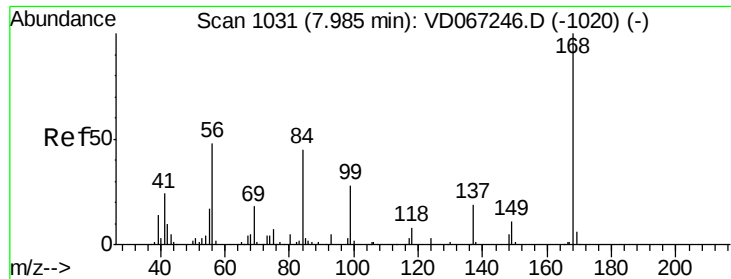
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

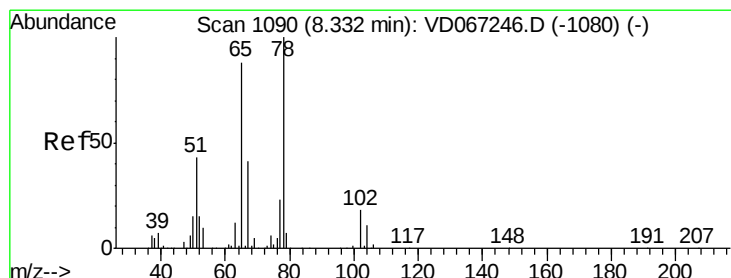
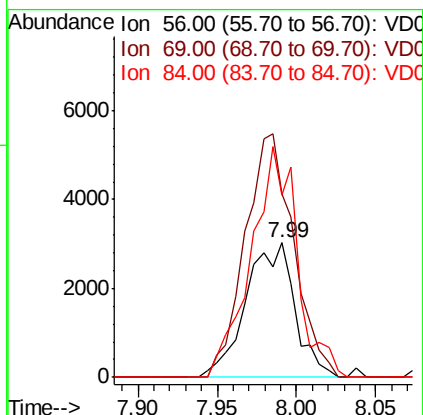
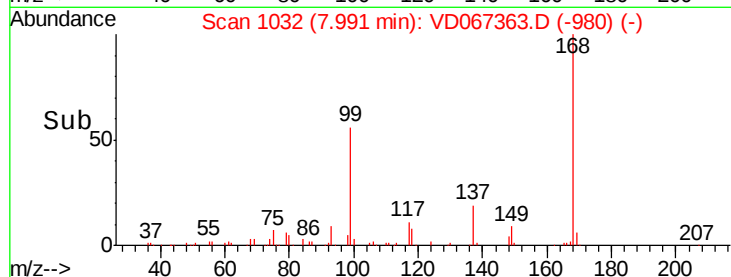
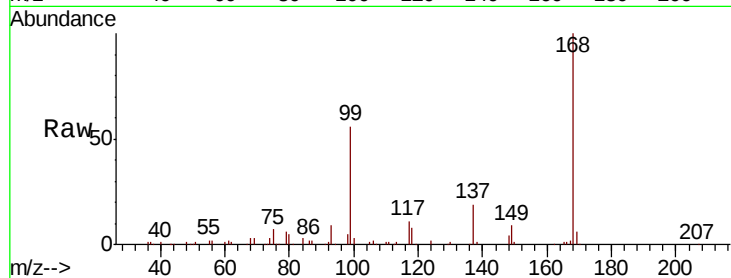




#31
Cyclohexane
Concen: 1.695 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067363.D
Acq: 22 Oct 2020 15:38

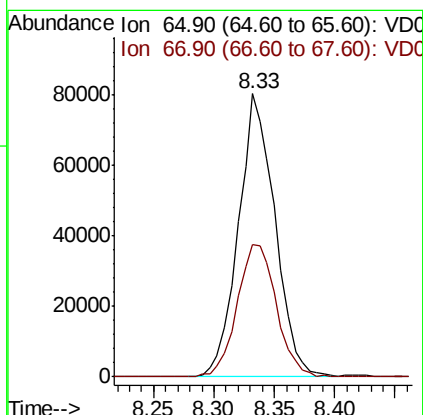
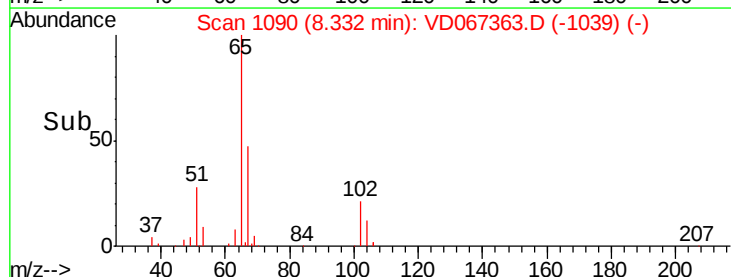
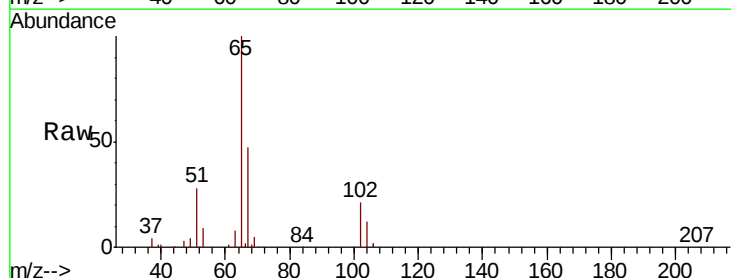
Instrument :
MSVOA_D
ClientSampleId :
COMP-1

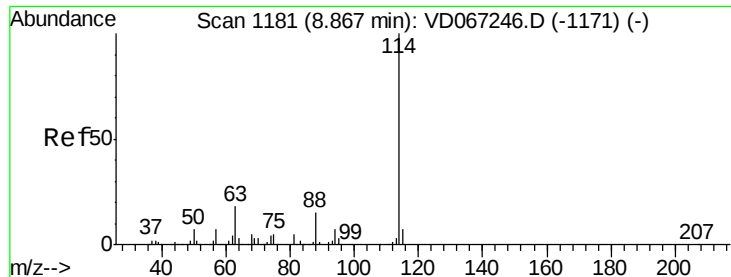
Tot Ion: 56 Resp: 6479
Ion Ratio Lower Upper
56 100
69 136.7 29.8 44.6#
84 135.8 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 50.844 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067363.D
Acq: 22 Oct 2020 15:38

Tgt Ion: 65 Resp: 168710
Ion Ratio Lower Upper
65 100
67 50.1 0.0 103.8

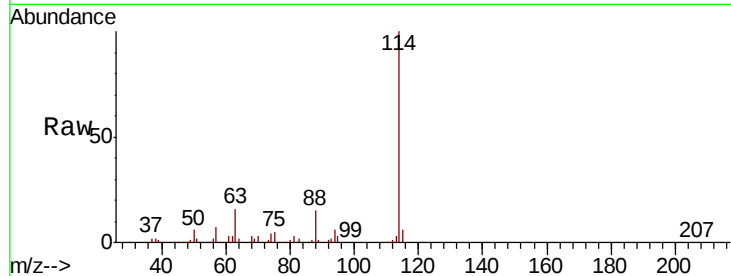




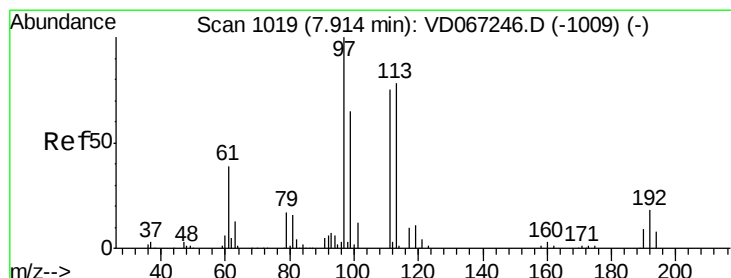
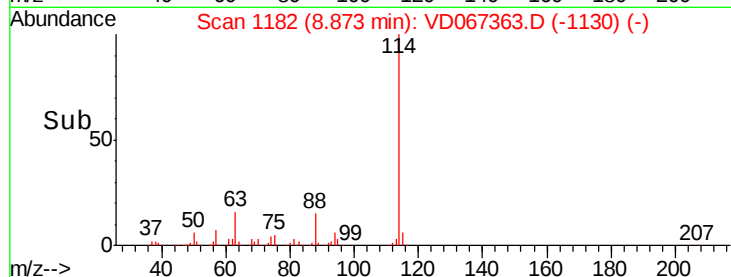
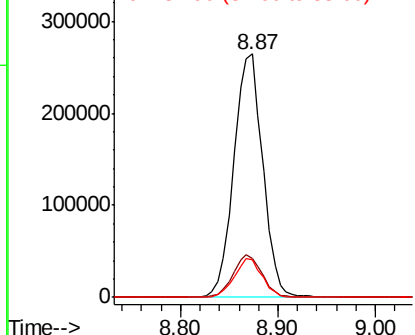
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD067363.D
Acq: 22 Oct 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
COMP-1

Tot Ion:114 Resp: 543713
Ion Ratio Lower Upper
114 100
63 15.9 0.0 35.0
88 15.2 0.0 30.6

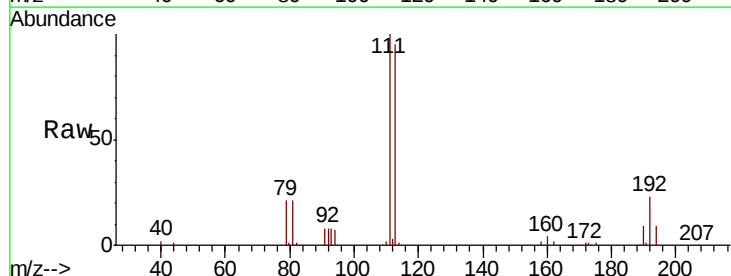


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

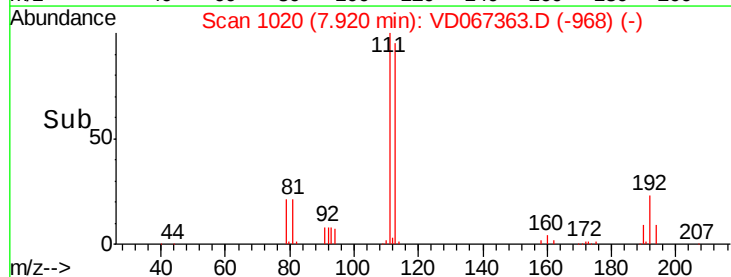
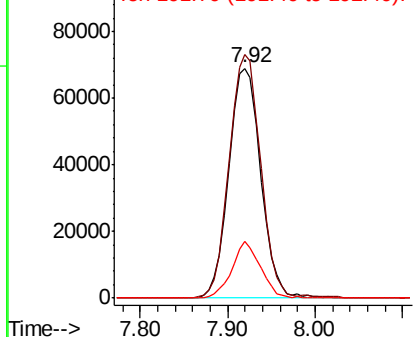


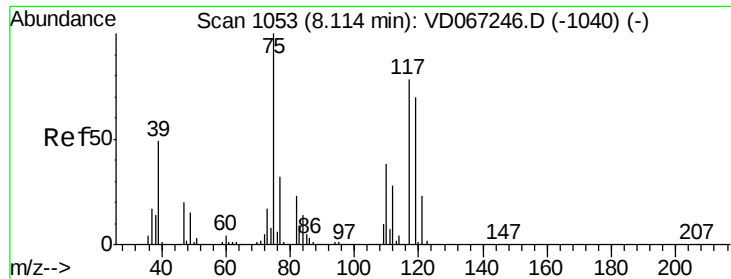
#35
Dibromofluoromethane
Concen: 47.289 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067363.D
Acq: 22 Oct 2020 15:38

Tgt Ion:113 Resp: 171113
Ion Ratio Lower Upper
113 100
111 103.7 81.6 122.4
192 21.8 17.0 25.4



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: 4.907 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD067363.D

Acq: 22 Oct 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

COMP-1

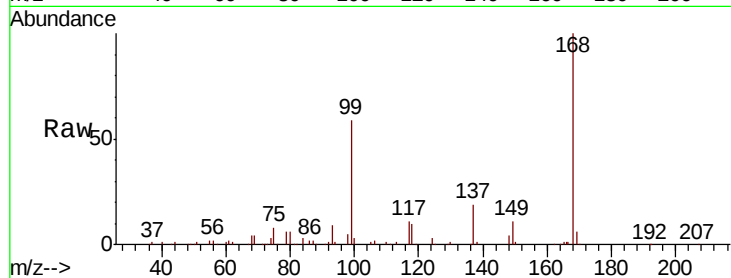
Tot Ion: 75 Resp: 22611

Ion Ratio Lower Upper

75 100

110 11.4 19.6 58.7#

77 0.2 24.6 37.0#

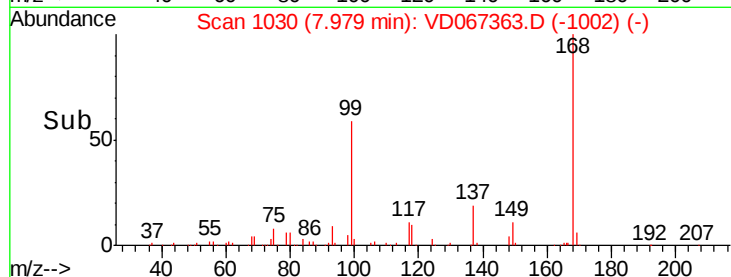


Abundance Ion 74.90 (74.60 to 75.60): VD067246.D (-1040) (-)

Ion 109.90 (109.60 to 110.60): VD067246.D (-1040) (-)

Ion 76.90 (76.60 to 77.60): VD067246.D (-1040) (-)

Time-->

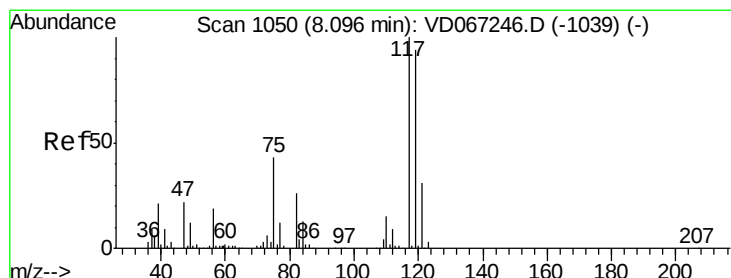


Abundance Ion 74.90 (74.60 to 75.60): VD067363.D (-1002) (-)

Ion 109.90 (109.60 to 110.60): VD067363.D (-1002) (-)

Ion 76.90 (76.60 to 77.60): VD067363.D (-1002) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.997 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067363.D

Acq: 22 Oct 2020 15:38

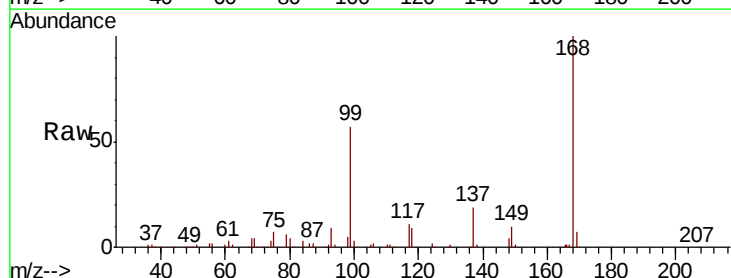
Tgt Ion: 117 Resp: 35323

Ion Ratio Lower Upper

117 100

119 3.7 75.0 112.4#

121 0.0 24.9 37.3#

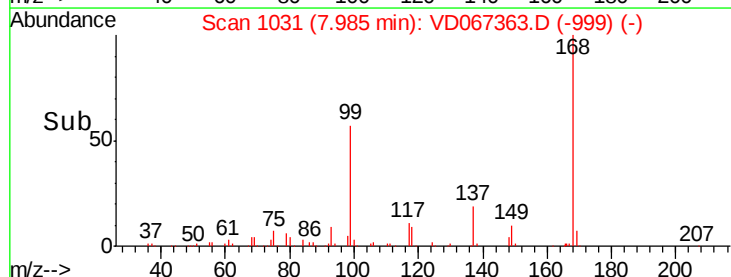


Abundance Ion 116.80 (116.50 to 117.50): VD067246.D (-1039) (-)

Ion 118.80 (118.50 to 119.50): VD067246.D (-1039) (-)

Ion 120.80 (120.50 to 121.50): VD067246.D (-1039) (-)

Time-->

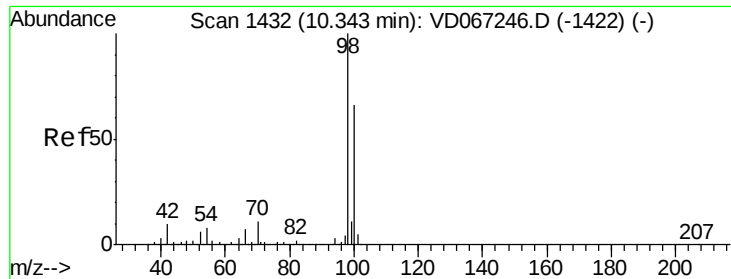


Abundance Ion 116.80 (116.50 to 117.50): VD067363.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD067363.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD067363.D (-999) (-)

Time-->



#50

Toluene-d8

Concen: 49.274 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067363.D

Acq: 22 Oct 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

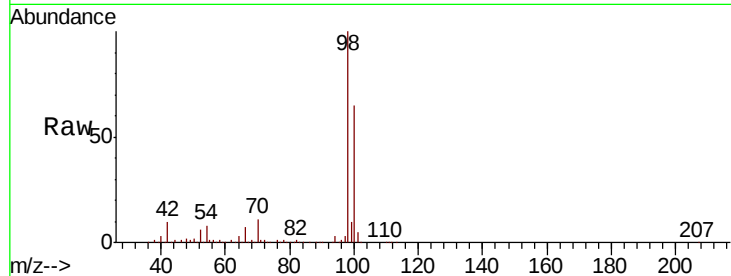
COMP-1

Tot Ion: 98 Resp: 645230

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

400000

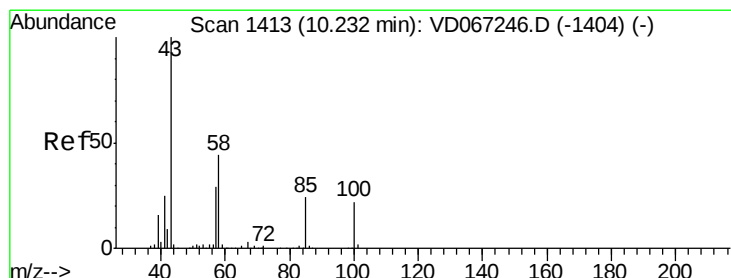
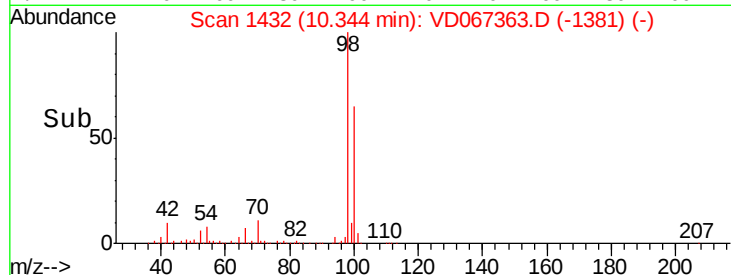
300000

200000

100000

0

Time--> 10.20 10.30 10.40 10.50



#51

4-Methyl-2-Pentanone

Concen: 1.590 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067363.D

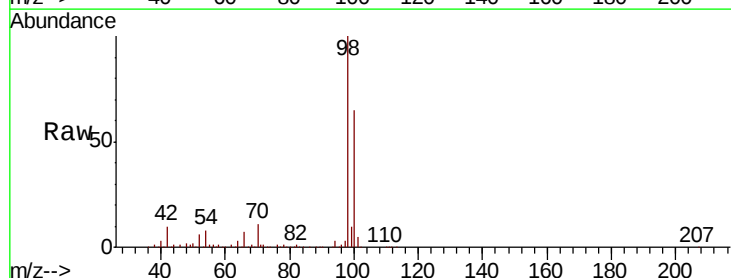
Acq: 22 Oct 2020 15:38

Tgt Ion: 43 Resp: 2133

Ion Ratio Lower Upper

43 100

58 206.9 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

2000

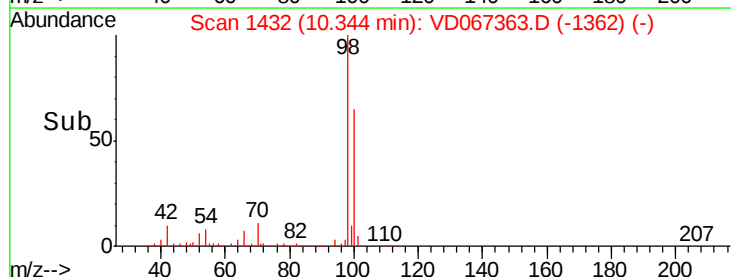
1500

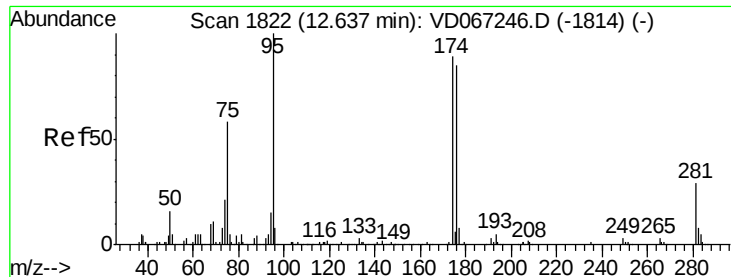
1000

500

0

Time--> 10.30 10.35 10.40

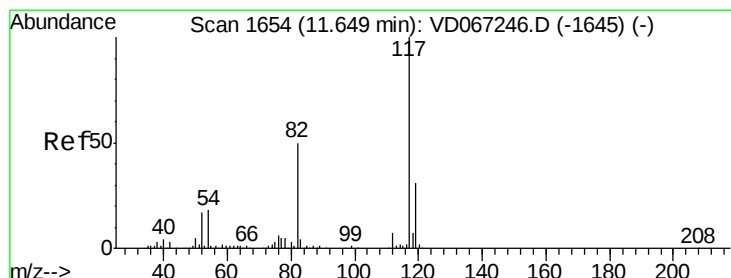
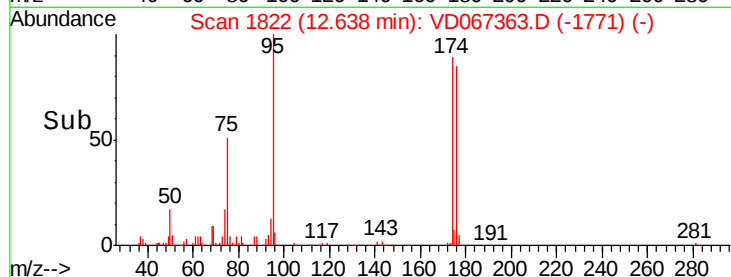
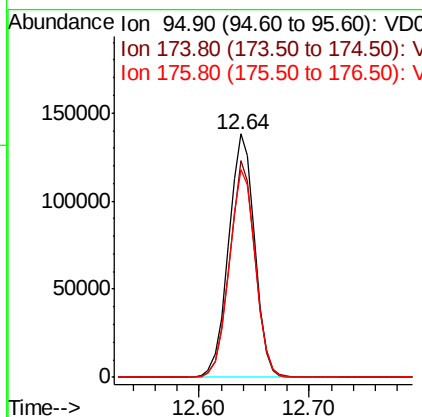
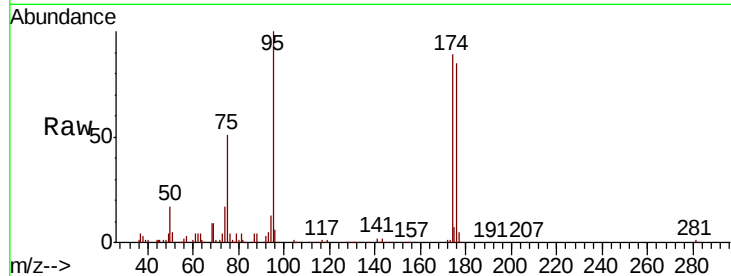




#62
4-Bromofluorobenzene
Concen: 50.090 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067363.D
Acq: 22 Oct 2020 15:38

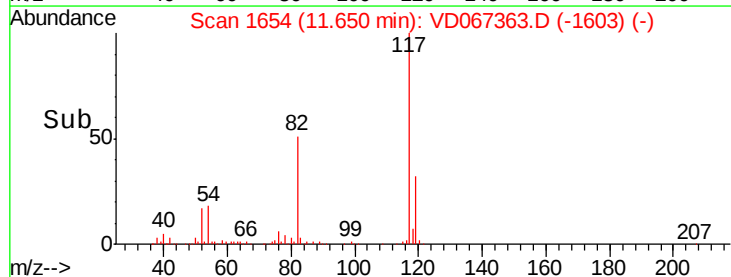
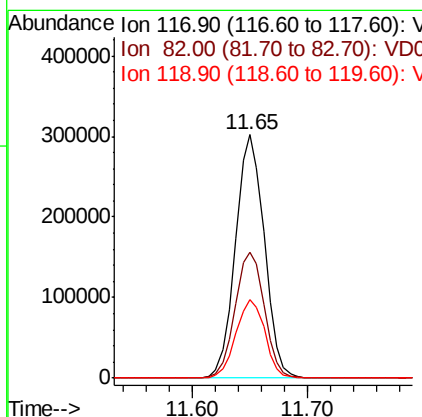
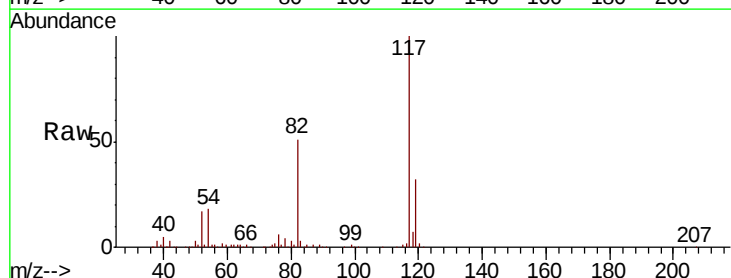
Instrument :
MSVOA_D
ClientSampleId :
COMP-1

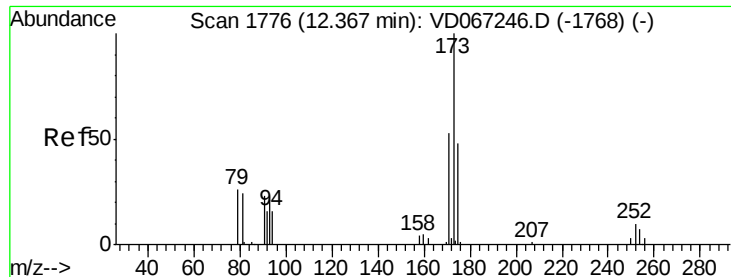
Tot Ion: 95 Resp: 228076
Ion Ratio Lower Upper
95 100
174 87.0 0.0 175.2
176 85.4 0.0 168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067363.D
Acq: 22 Oct 2020 15:38

Tgt Ion: 117 Resp: 522056
Ion Ratio Lower Upper
117 100
82 51.5 39.9 59.9
119 32.4 24.9 37.3





#71

Bromoform

Concen: 1.007 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD067363.D

Acq: 22 Oct 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

COMP-1

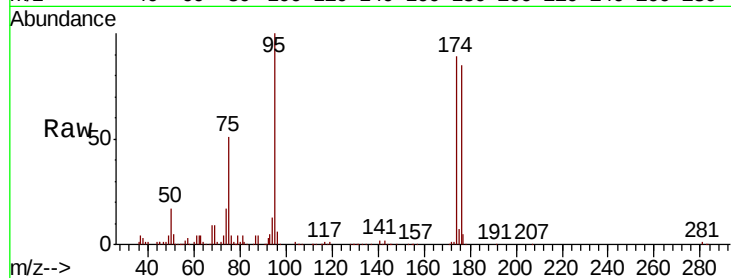
Tot Ion:173 Resp: 2152

Ion Ratio Lower Upper

173 100

175 537.5 24.2 72.6#

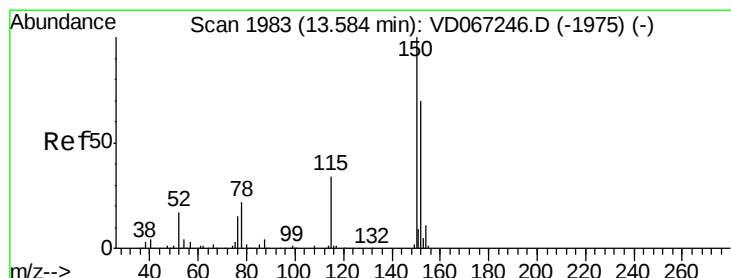
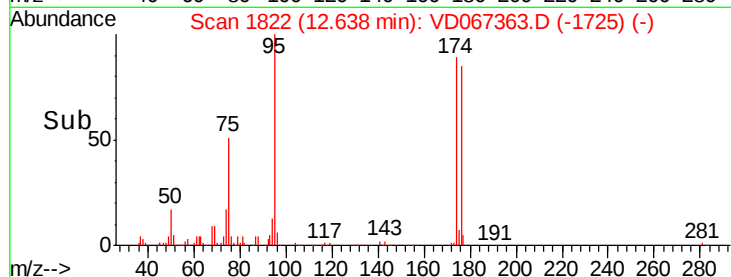
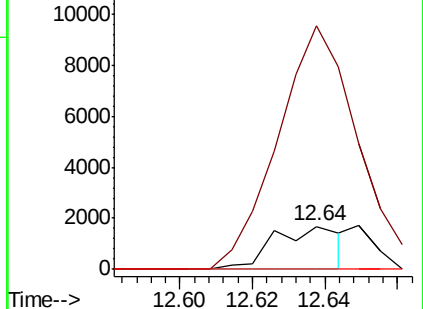
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067363.D

Acq: 22 Oct 2020 15:38

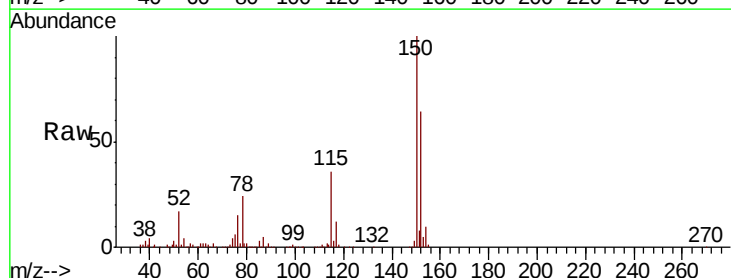
Tgt Ion:152 Resp: 258716

Ion Ratio Lower Upper

152 100

115 57.0 29.3 87.9

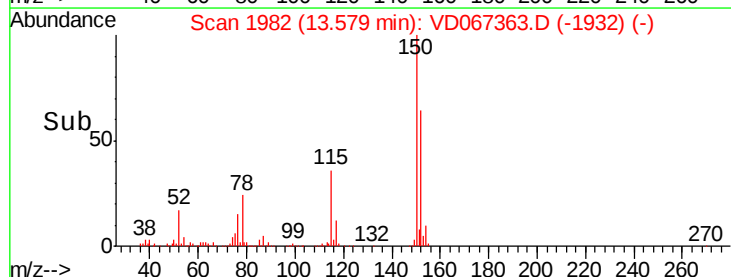
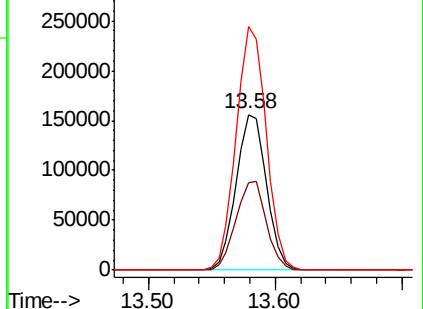
150 155.3 0.0 339.0

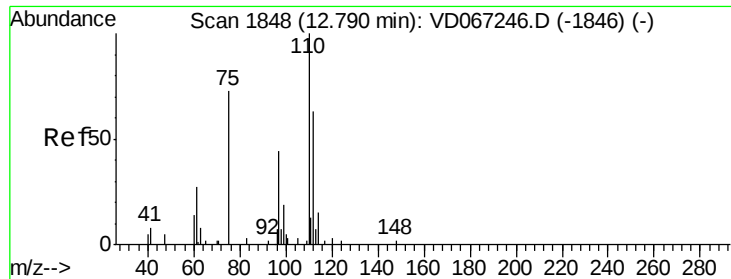


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

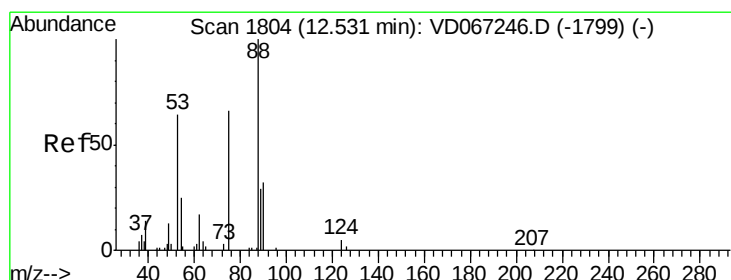
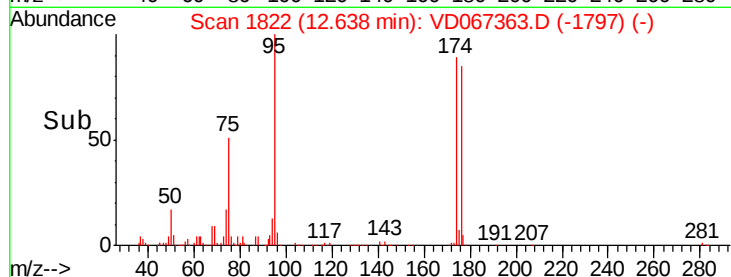
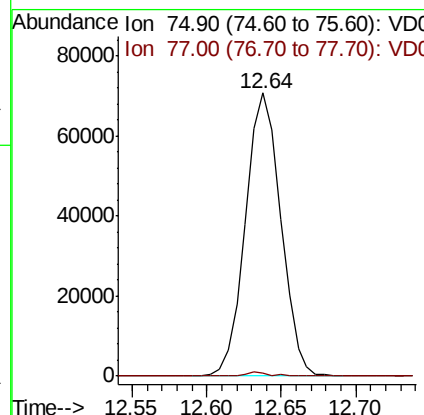
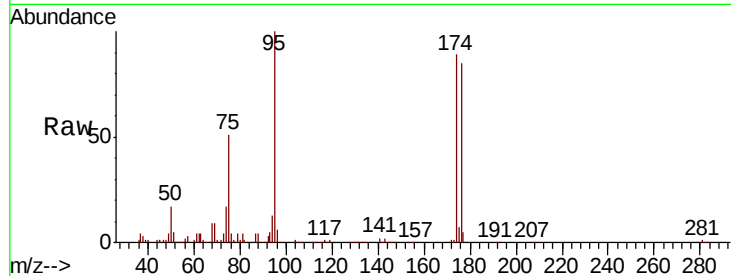




#76
 1,2,3-Trichloropropane
 Concen: 64.595 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067363.D
 Acq: 22 Oct 2020 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-1

Tot Ion: 75 Resp: 115829
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.483 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067363.D
 Acq: 22 Oct 2020 15:38

Tgt Ion: 75 Resp: 115829
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.1 39.9 59.9#

