

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110920\
 Data File : VD067565.D
 Acq On : 09 Nov 2020 14:56
 Operator : VA/SY
 Sample : L4665-01
 Misc : 6.52G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 10 00:19:56 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

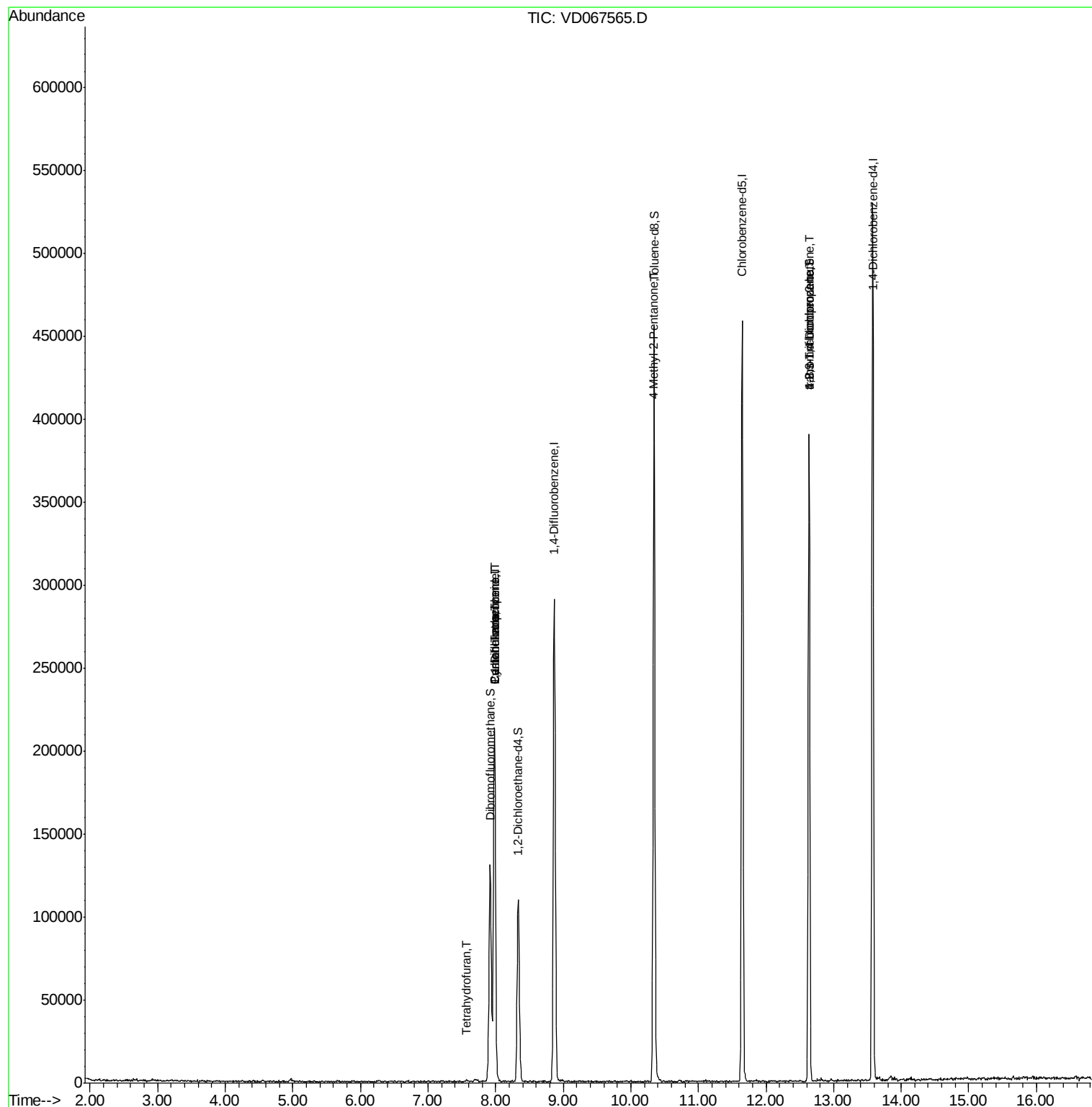
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	159059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	261355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	279438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	147633	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	99064	71.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	142.46%	
35) Dibromofluoromethane	7.92	113	90681	57.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.18%	
50) Toluene-d8	10.34	98	312409	56.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.92%	
62) 4-Bromofluorobenzene	12.64	95	122746	64.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.50%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.23	59	88	Below Cal	#	79
29) Tetrahydrofuran	7.58	42	570	4.279	ug/l #	56
31) Cyclohexane	7.98	56	3215	1.594	ug/l #	15
36) 1,1-Dichloropropene	7.98	75	11052	4.940	ug/l #	50
38) Carbon Tetrachloride	7.98	117	16021	5.512	ug/l #	18
51) 4-Methyl-2-Pentanone	10.33	43	1150	2.093	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	63773	71.606	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	63773	145.380	ug/l #	10

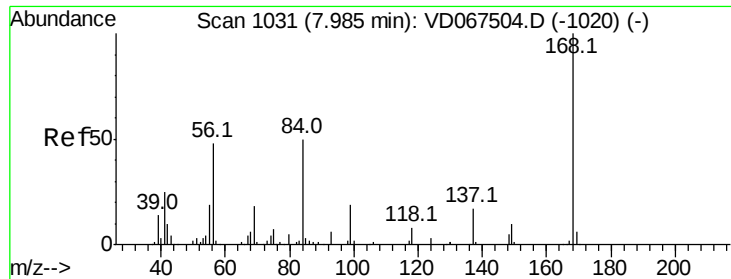
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067565.D

Acq: 09 Nov 2020 14:56

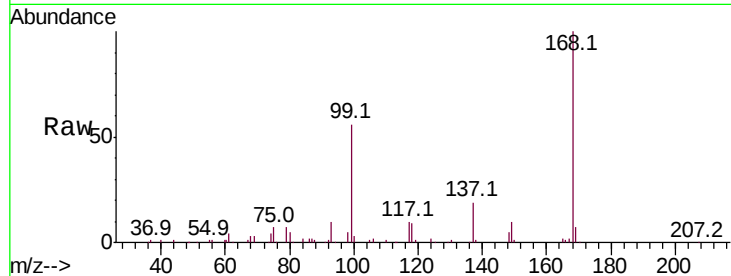
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 159059

Ion Ratio Lower Upper

168 100

99 56.3 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

80000

60000

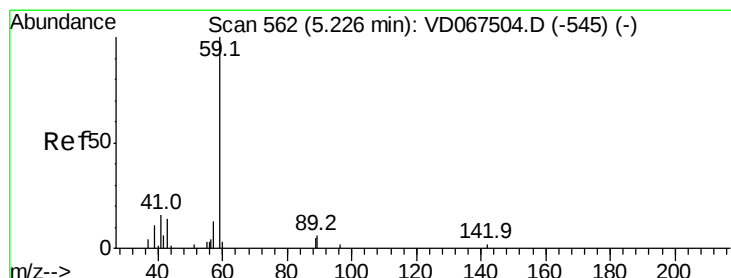
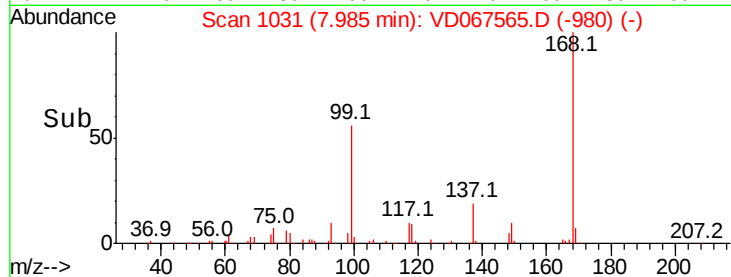
40000

20000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 562

Delta R.T. 0.00 min

Lab File: VD067565.D

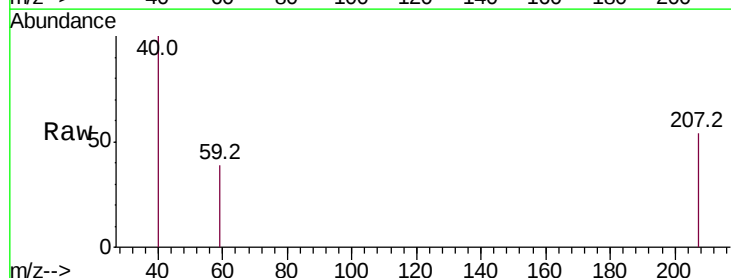
Acq: 09 Nov 2020 14:56

Tgt Ion: 59 Resp: 88

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

5.23

250

200

150

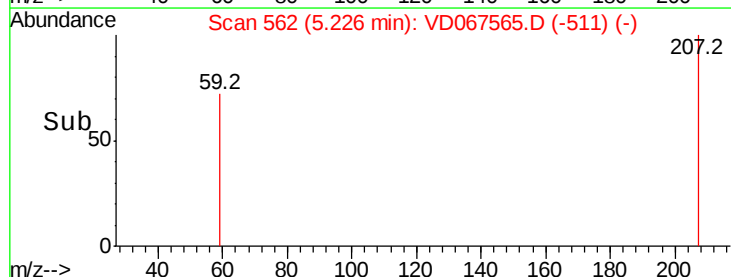
100

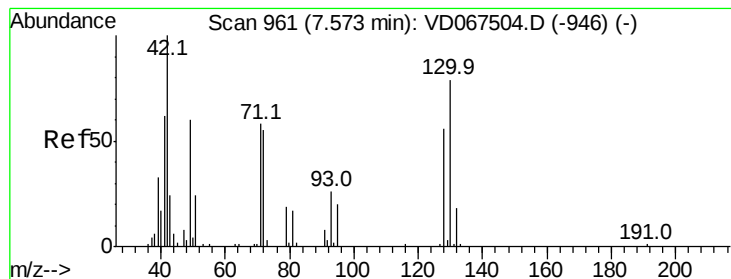
50

0

Time-->

5.21 5.22 5.23 5.24





#29

Tetrahydrofuran

Concen: 4.279 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD067565.D

Acq: 09 Nov 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

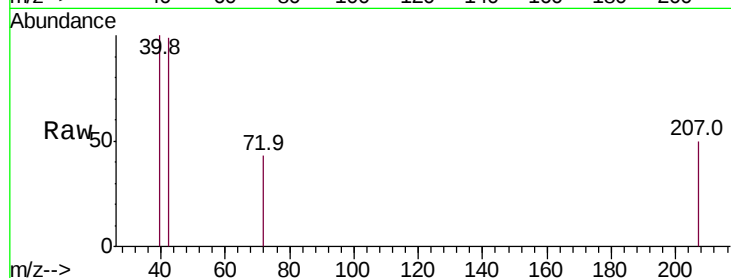
Tot Ion: 42 Resp: 570

Ion Ratio Lower Upper

42 100

72 47.7 46.3 69.5

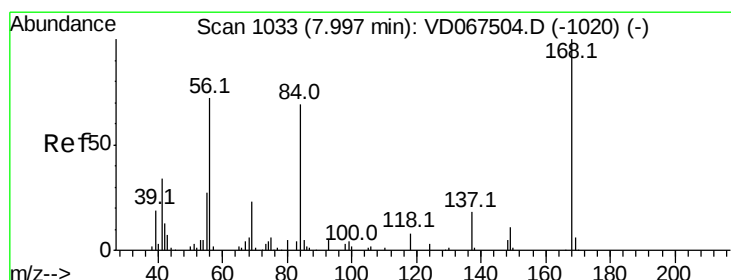
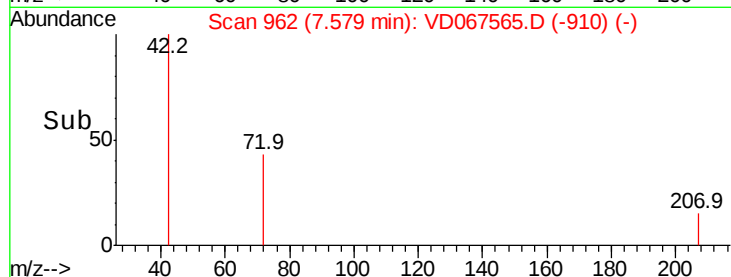
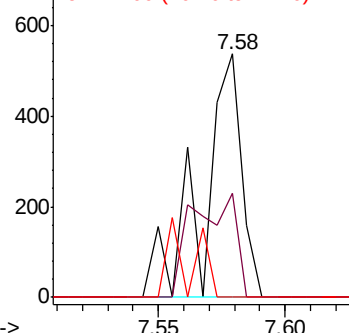
71 0.0 44.0 66.0#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.594 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VD067565.D

Acq: 09 Nov 2020 14:56

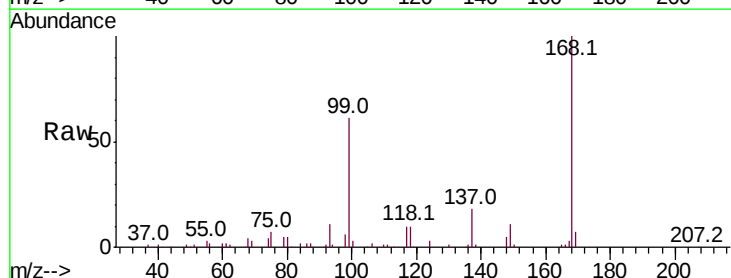
Tgt Ion: 56 Resp: 3215

Ion Ratio Lower Upper

56 100

69 164.2 25.9 38.9#

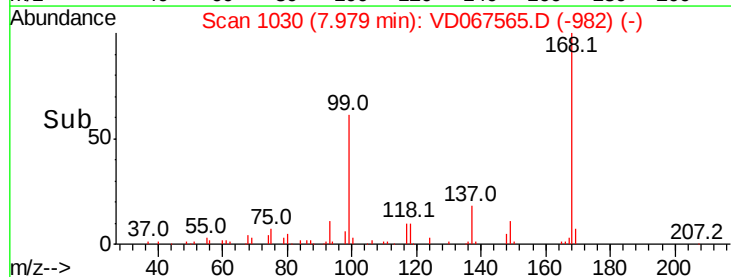
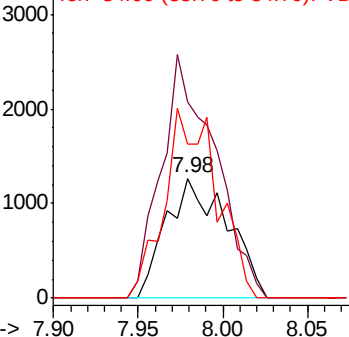
84 128.9 76.2 114.4#

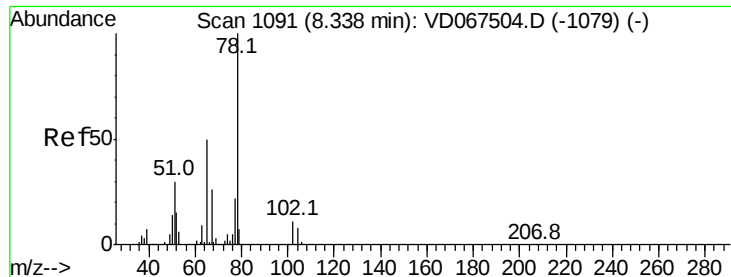


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 71.228 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067565.D

Acq: 09 Nov 2020 14:56

Instrument :

MSVOA_D

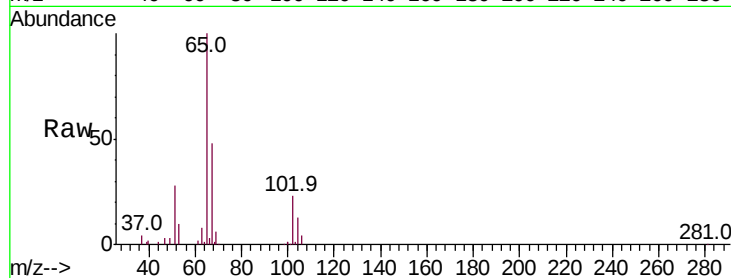
ClientSampleId :

Tot Ion: 65 Resp: 99064

Ion Ratio Lower Upper

65 100

67 49.8 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

40000

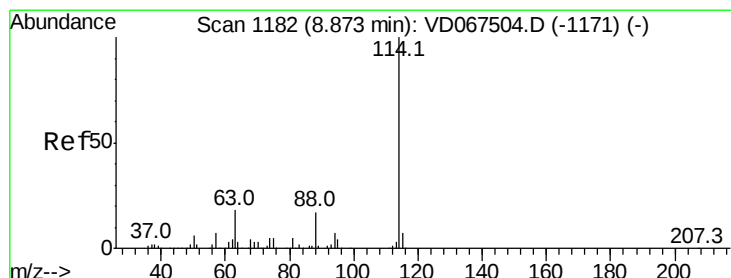
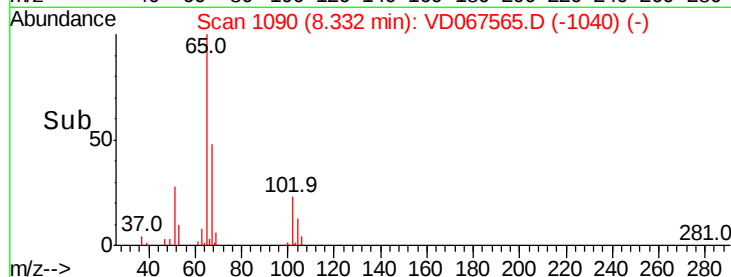
30000

20000

10000

0

Time--> 8.20 8.30 8.40 8.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067565.D

Acq: 09 Nov 2020 14:56

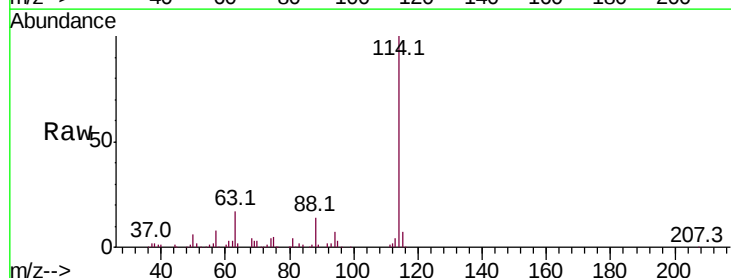
Tgt Ion: 114 Resp: 261355

Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.0

88 13.8 0.0 33.0



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

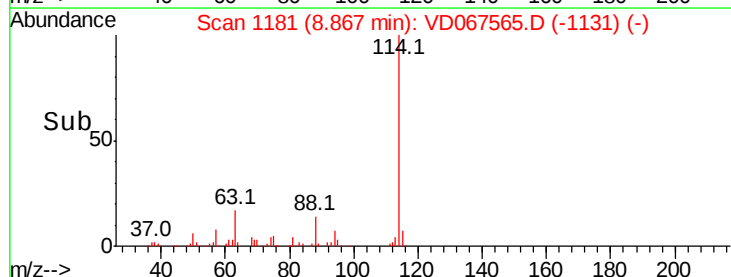
150000

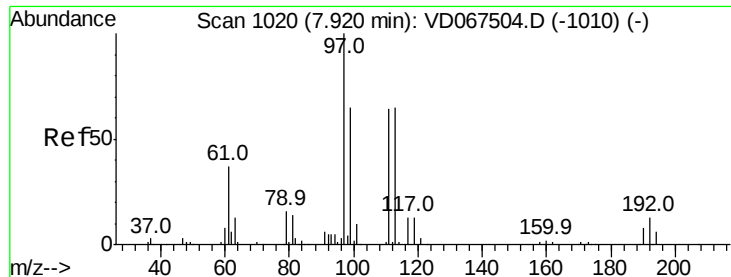
100000

50000

0

Time--> 8.80 8.90

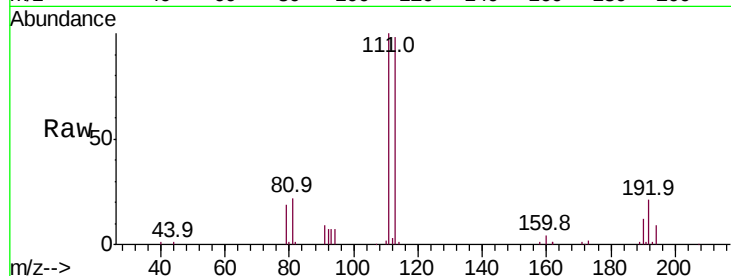




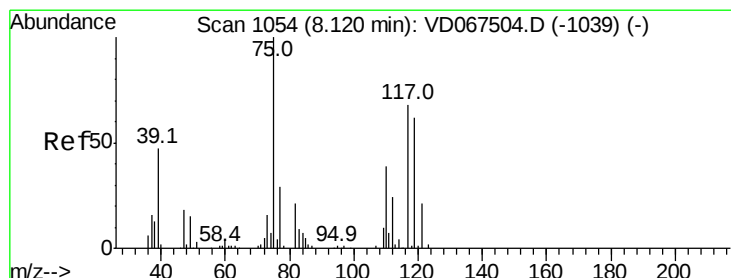
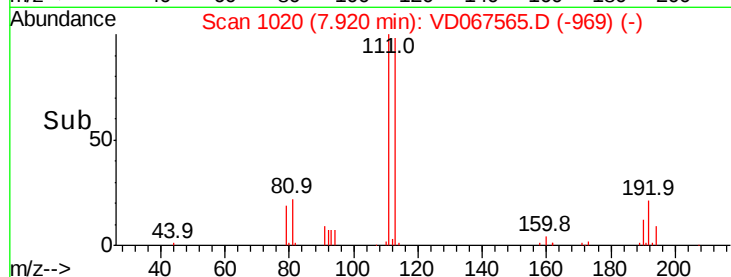
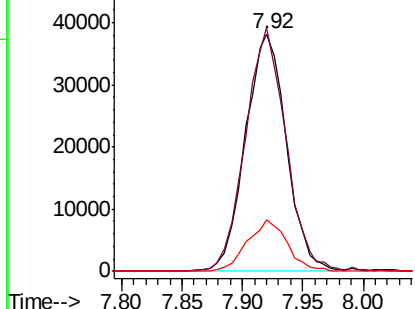
#35
 Dibromofluoromethane
 Concen: 57.588 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067565.D
 Acq: 09 Nov 2020 14:56

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 90681
 Ion Ratio Lower Upper
 113 100
 111 100.9 80.0 120.0
 192 21.0 16.3 24.5

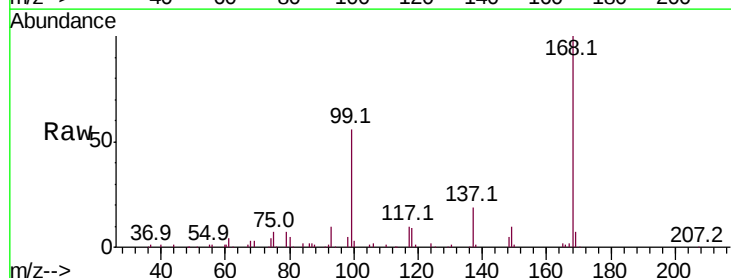


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

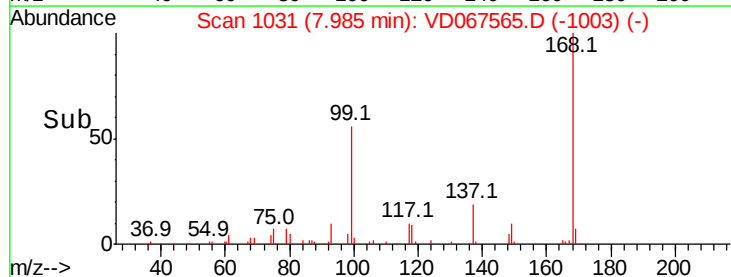
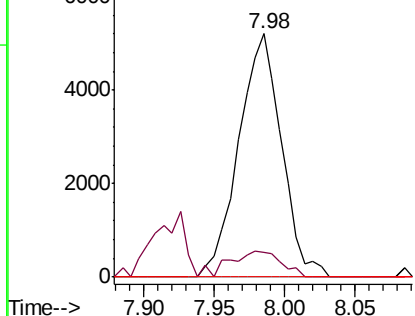


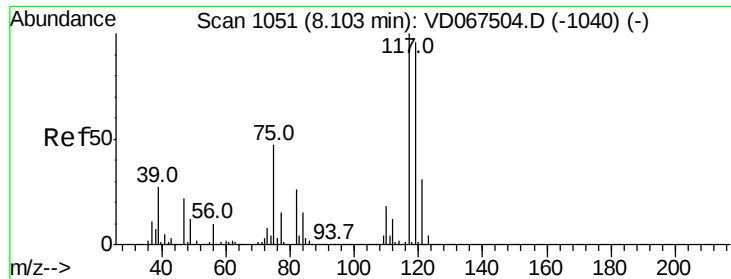
#36
 1,1-Dichloropropene
 Concen: 4.940 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.14 min
 Lab File: VD067565.D
 Acq: 09 Nov 2020 14:56

Tgt Ion: 75 Resp: 11052
 Ion Ratio Lower Upper
 75 100
 110 12.3 19.9 59.7#
 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: 5.512 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067565.D

Acq: 09 Nov 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

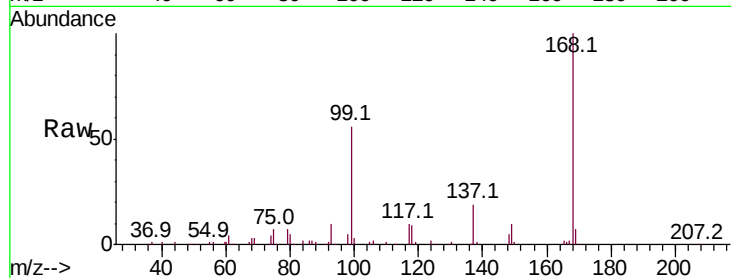
Tot Ion:117 Resp: 16021

Ion Ratio Lower Upper

117 100

119 8.4 76.9 115.3#

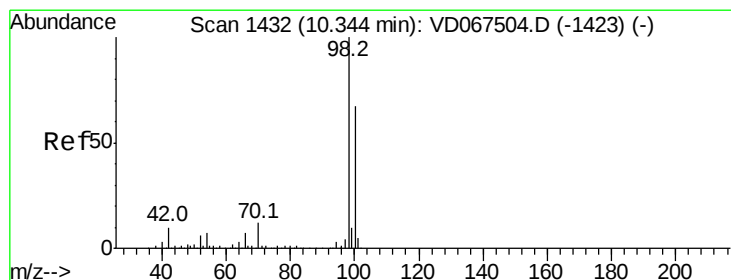
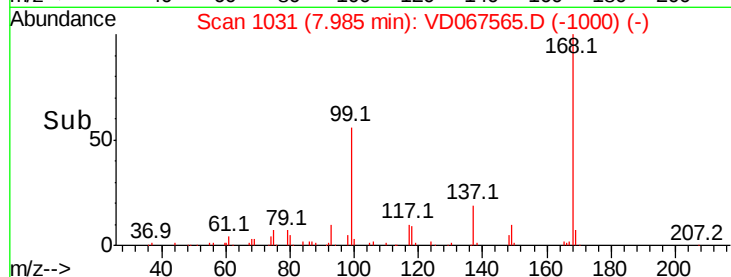
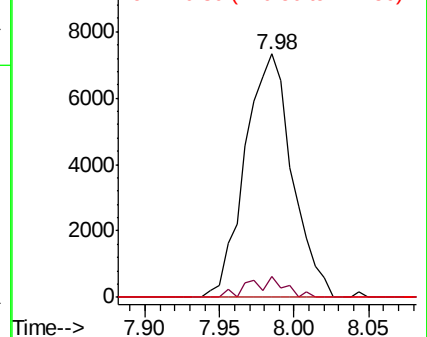
121 0.0 24.5 36.7#



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: 56.456 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067565.D

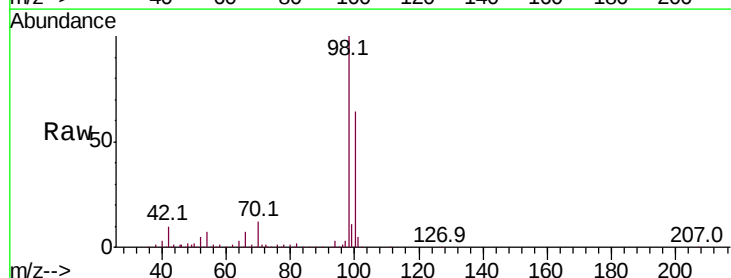
Acq: 09 Nov 2020 14:56

Tgt Ion: 98 Resp: 312409

Ion Ratio Lower Upper

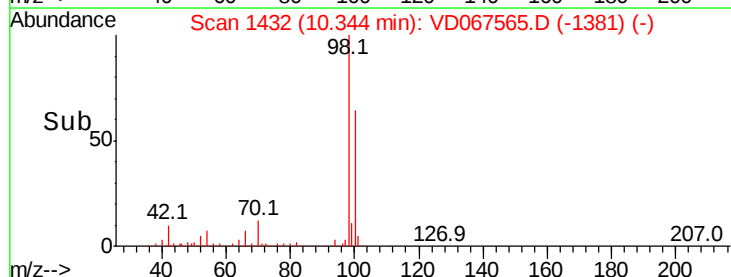
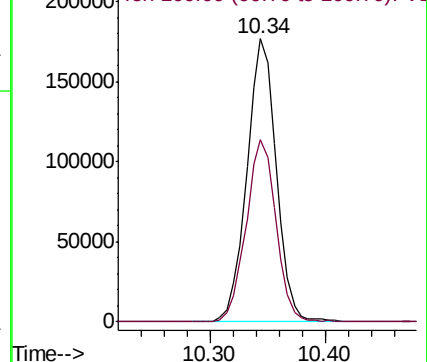
98 100

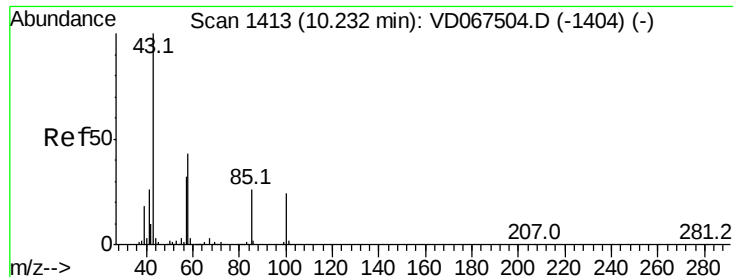
100 65.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.093 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.10 min

Lab File: VD067565.D

Acq: 09 Nov 2020 14:56

Instrument :

MSVOA_D

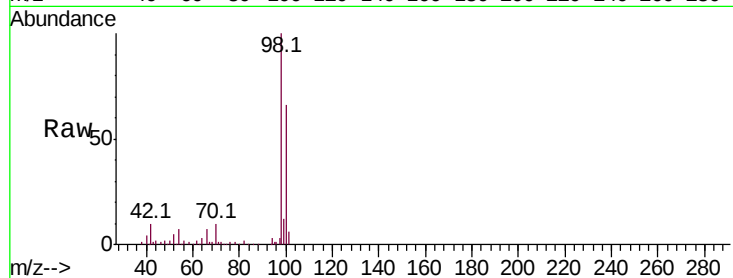
ClientSampleId :

Tot Ion: 43 Resp: 1150

Ion Ratio Lower Upper

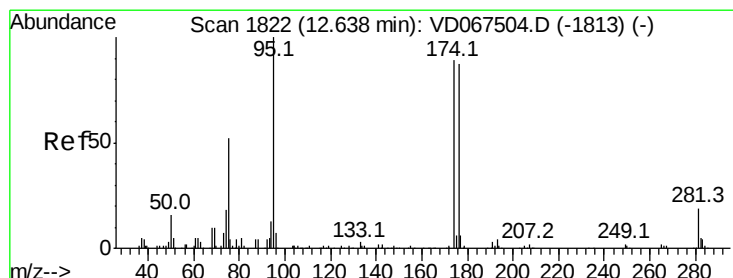
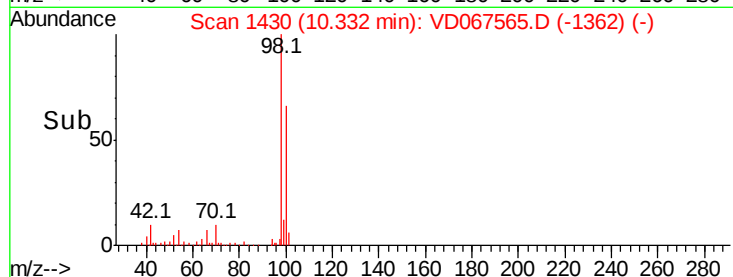
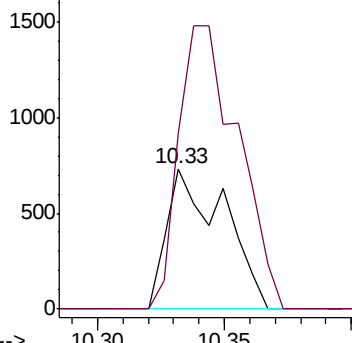
43 100

58 209.5 35.6 53.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 64.248 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067565.D

Acq: 09 Nov 2020 14:56

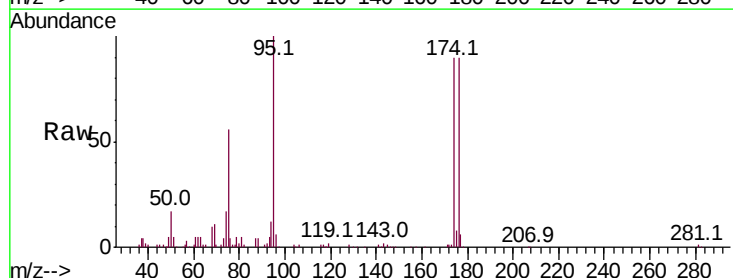
Tgt Ion: 95 Resp: 122746

Ion Ratio Lower Upper

95 100

174 91.3 0.0 177.8

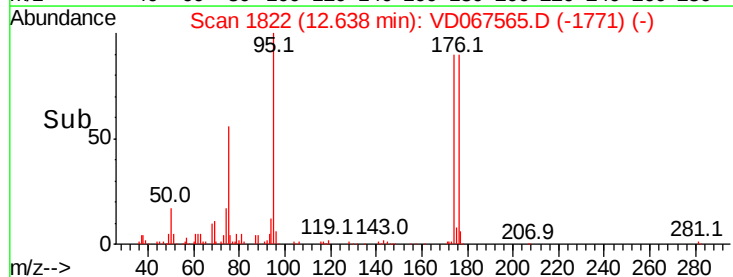
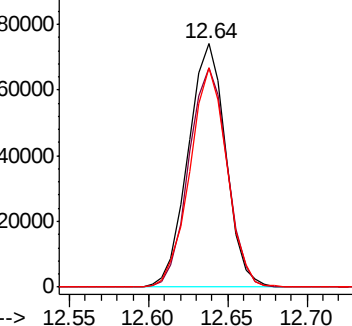
176 88.2 0.0 172.0

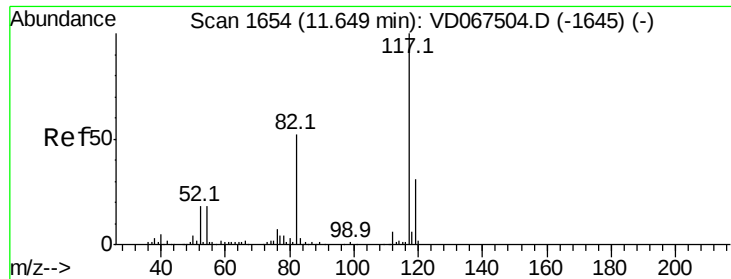


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

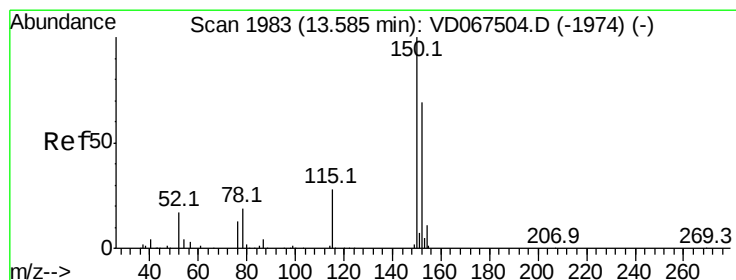
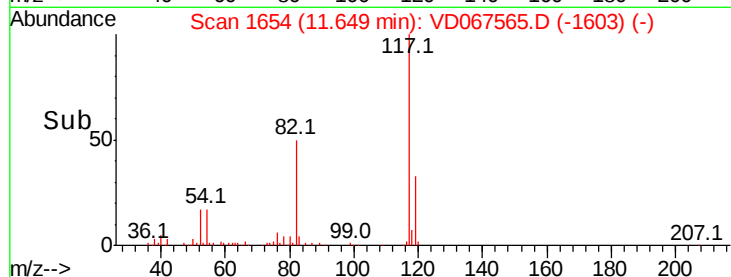
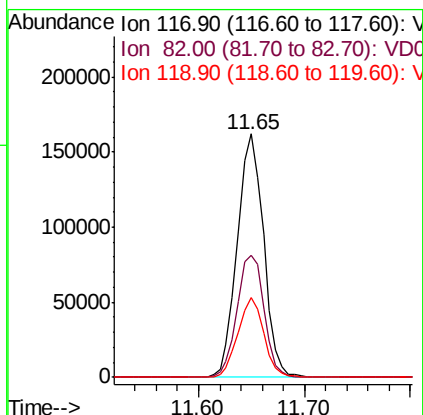
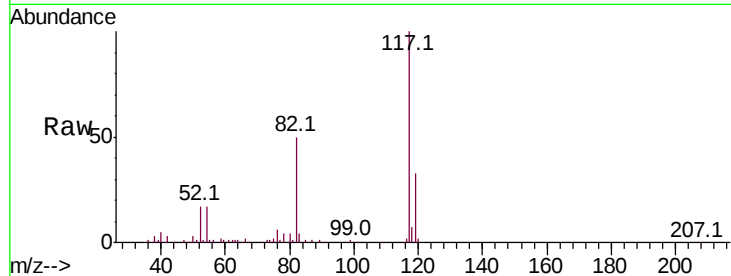




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067565.D
Acq: 09 Nov 2020 14:56

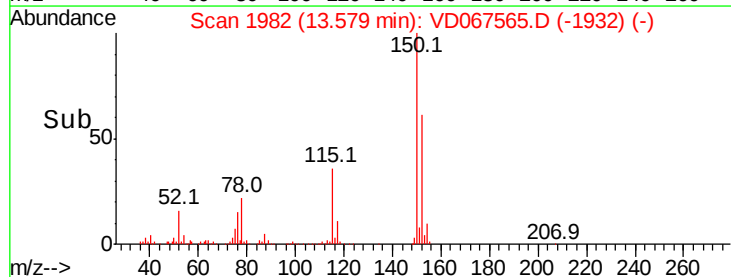
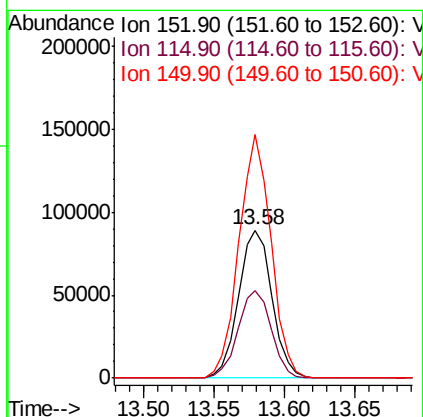
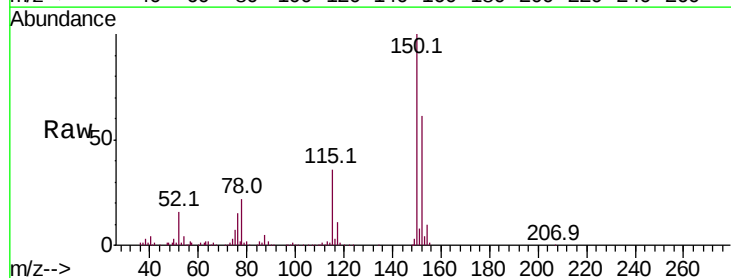
Instrument :
MSVOA_D
ClientSampleId :

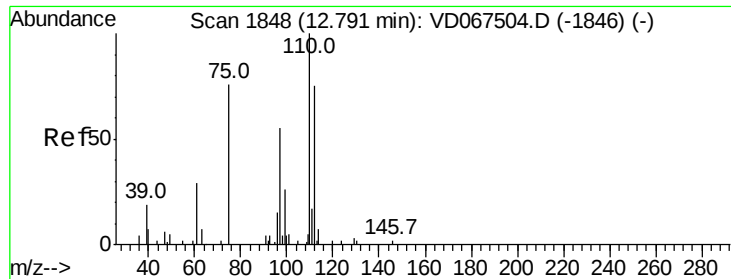
Tot Ion:117 Resp: 279438
Ion Ratio Lower Upper
117 100
82 50.2 41.6 62.4
119 32.6 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067565.D
Acq: 09 Nov 2020 14:56

Tgt Ion:152 Resp: 147633
Ion Ratio Lower Upper
152 100
115 58.8 29.3 88.0
150 157.9 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 71.606 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067565.D

Acq: 09 Nov 2020 14:56

Instrument :

MSVOA_D

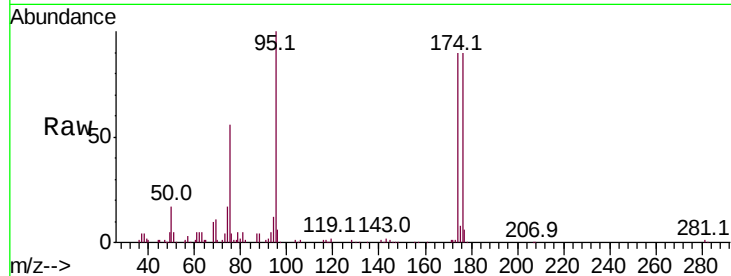
ClientSampleId :

Tot Ion: 75 Resp: 63773

Ion Ratio Lower Upper

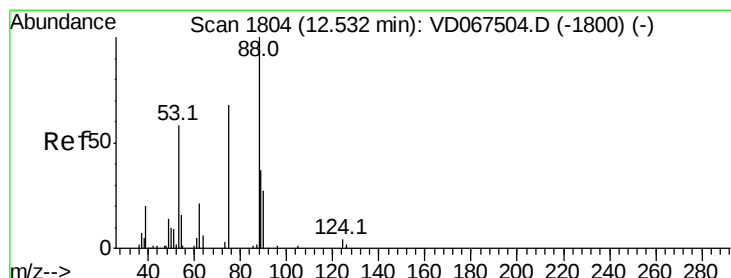
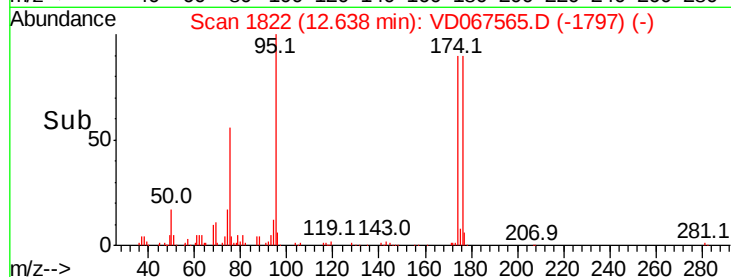
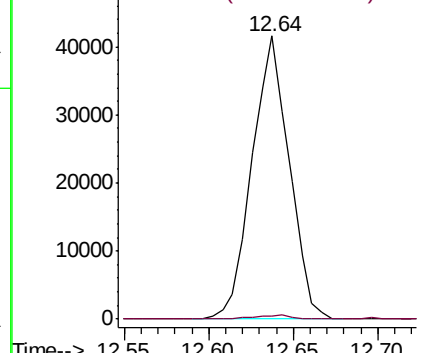
75 100

77 1.2 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: 145.380 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067565.D

Acq: 09 Nov 2020 14:56

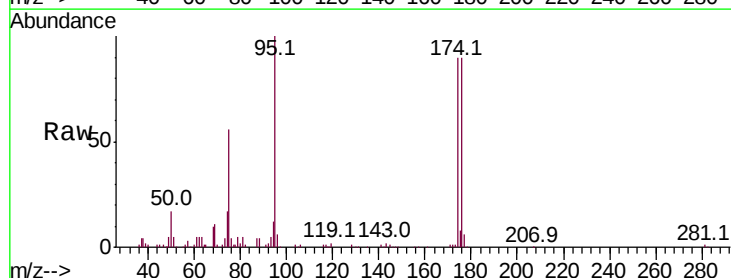
Tgt Ion: 75 Resp: 63773

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.0 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

