

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111920\
 Data File : VD067708.D
 Acq On : 19 Nov 2020 15:10
 Operator : VA/SY
 Sample : L4805-02
 Misc : 5.84G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-03-017-ABCD

Quant Time: Nov 20 00:30:59 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	269747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	409816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	442828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234588	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	117415	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
35) Dibromofluoromethane	7.92	113	124631	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	10.34	98	485242	55.92	ug/l	0.00
Spiked Amount			Recovery	=	111.84%	
62) 4-Bromofluorobenzene	12.64	95	194466	64.91	ug/l	0.00
Spiked Amount			Recovery	=	129.82%	

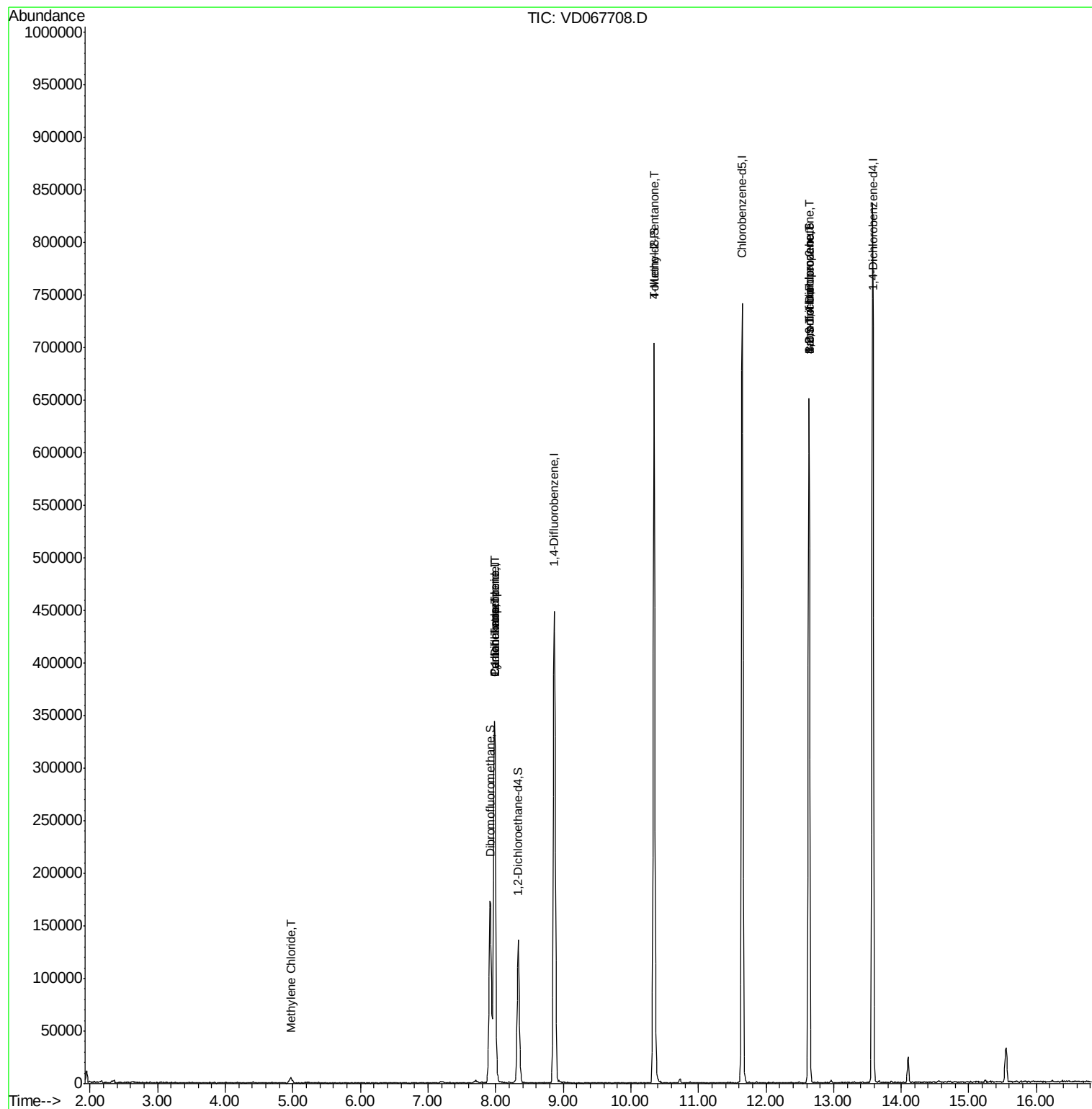
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	196	Below Cal	#	44
11) Tert butyl alcohol	5.21	59	1192	Below Cal	#	79
20) Methylene Chloride	4.97	84	4426	1.775	ug/l #	80
31) Cyclohexane	7.99	56	5037	1.472	ug/l #	33
36) 1,1-Dichloropropene	7.98	75	18182	5.183	ug/l #	50
38) Carbon Tetrachloride	7.98	117	27632	6.063	ug/l #	16
51) 4-Methyl-2-Pentanone	10.35	43	1636	1.899	ug/l #	1
71) Bromoform	12.64	173	1763	1.028	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	106923	75.555	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	106923	153.397	ug/l #	10

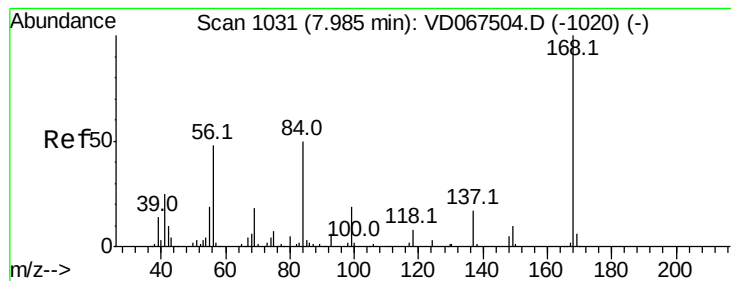
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111920\
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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# 1030

Delta R.T. -0.01 min

Lab File: VD067708.D

Acq: 19 Nov 2020 15:10

Instrument :

MSVOA_D

ClientSampleId :

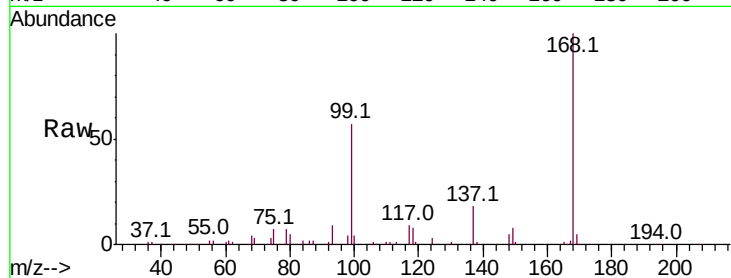
FK-BPM-03-017-ABCD

Tot Ion:168 Resp: 269747

Ion Ratio Lower Upper

168 100

99 56.6 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

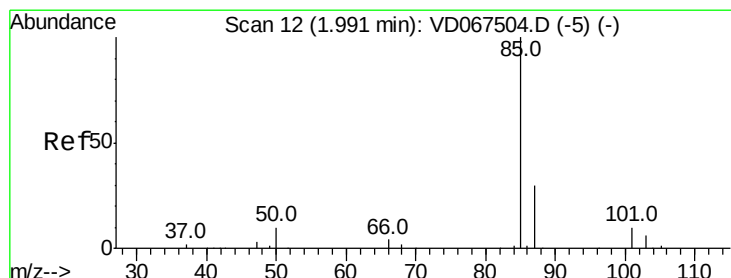
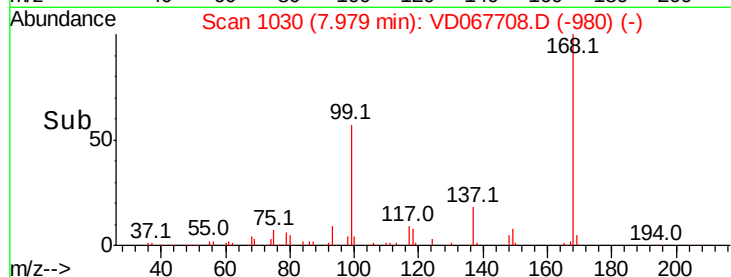
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD067708.D

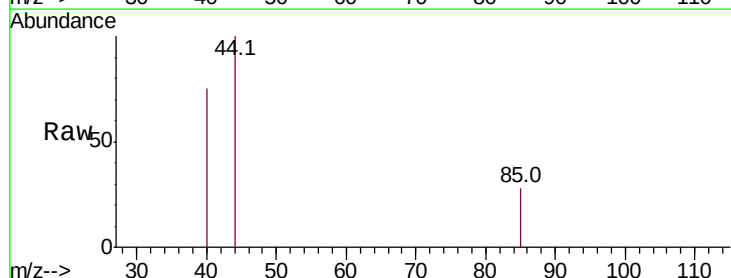
Acq: 19 Nov 2020 15:10

Tgt Ion: 85 Resp: 196

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

300

250

200

150

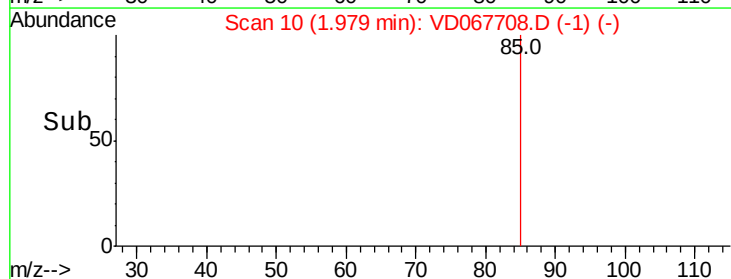
100

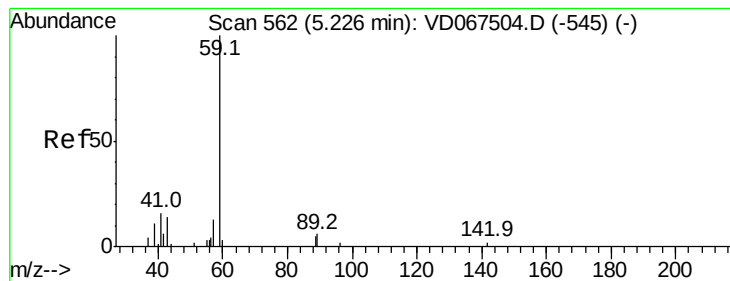
50

0

Time-->

1.96 1.98 2.00



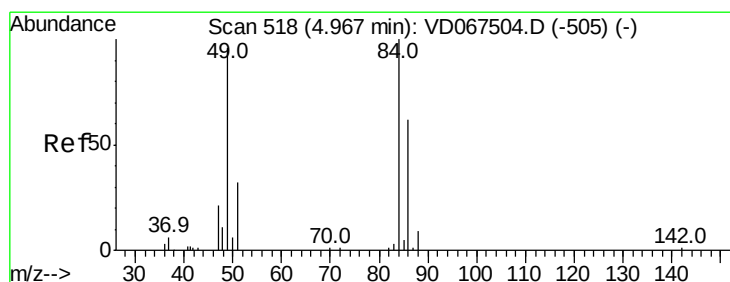
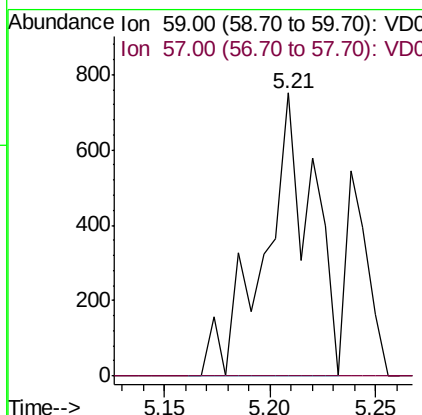
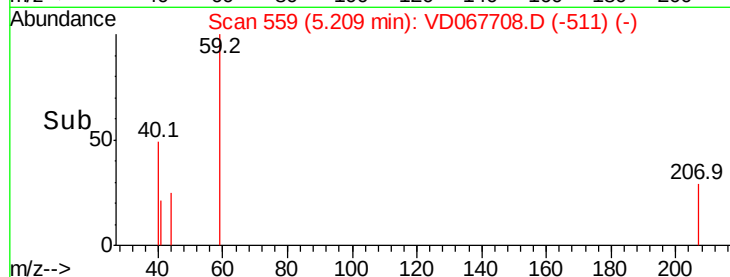
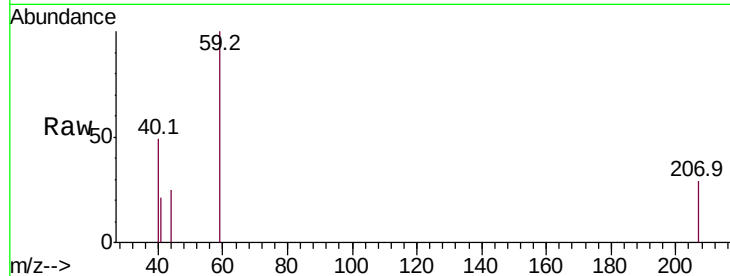


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD067708.D
 Acq: 19 Nov 2020 15:10

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-03-017-ABCD

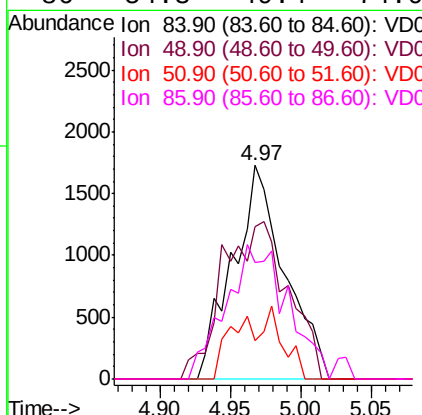
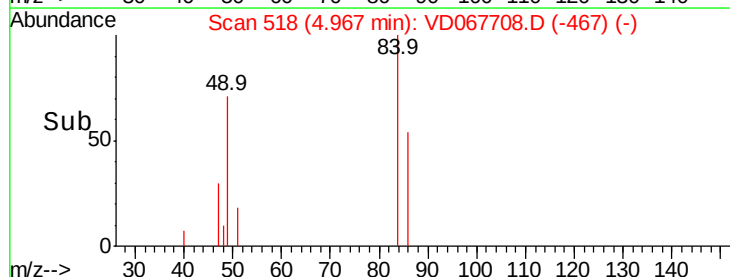
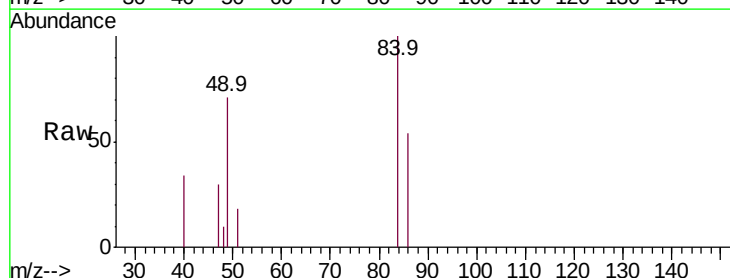
Tot Ion: 59 Resp: 1192
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

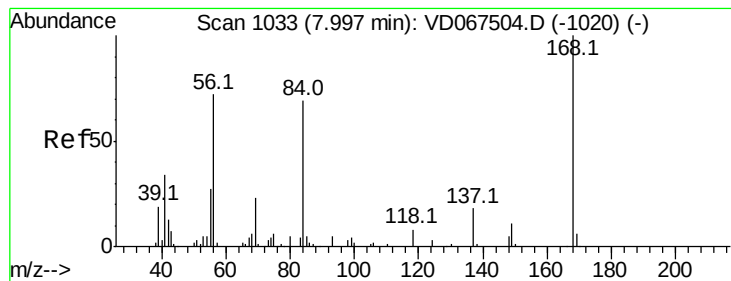


#20

Methylene Chloride
 Concen: 1.775 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VD067708.D
 Acq: 19 Nov 2020 15:10

Tgt Ion: 84 Resp: 4426
 Ion Ratio Lower Upper
 84 100
 49 71.4 77.0 115.4#
 51 18.2 25.4 38.2#
 86 54.3 49.4 74.0





#31

Cyclohexane

Concen: 1.472 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD067708.D

Acq: 19 Nov 2020 15:10

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-017-ABCD

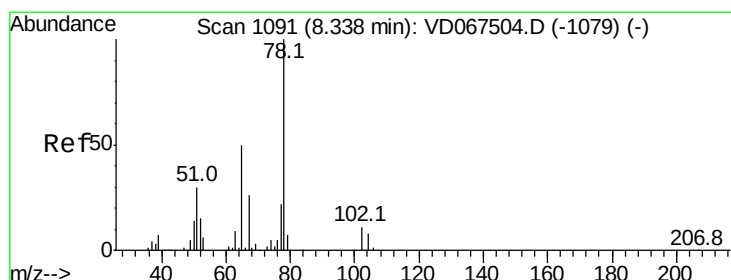
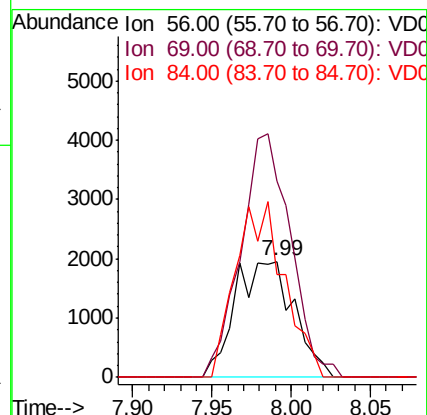
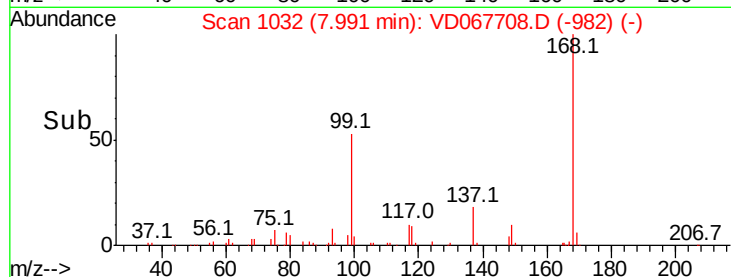
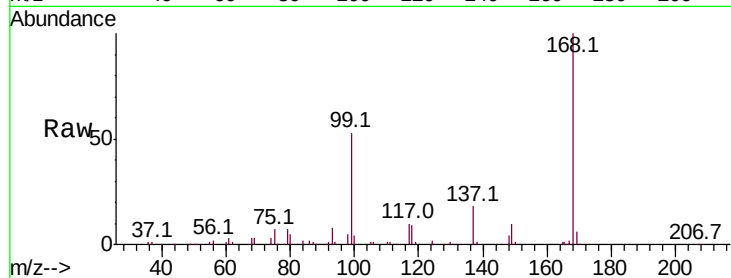
Tot Ion: 56 Resp: 5037

Ion Ratio Lower Upper

56 100

69 169.1 25.9 38.9#

84 88.1 76.2 114.4



#33

1,2-Dichloroethane-d4

Concen: 49.781 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067708.D

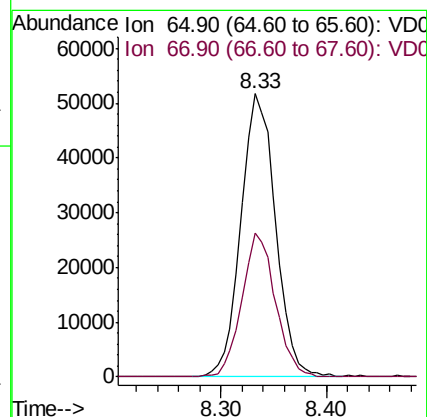
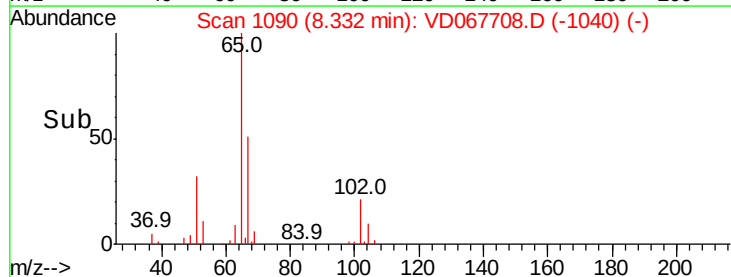
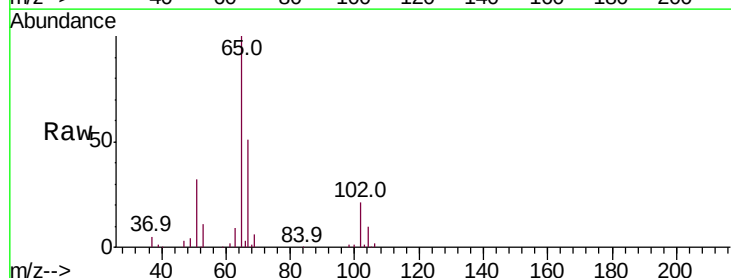
Acq: 19 Nov 2020 15:10

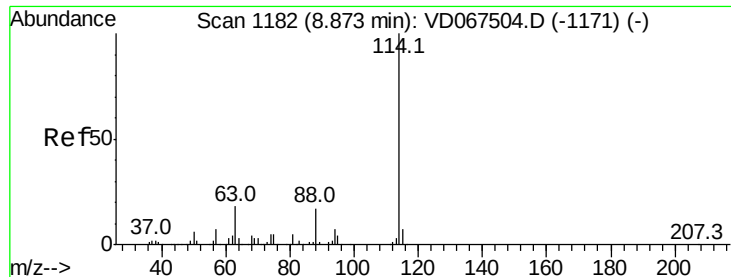
Tgt Ion: 65 Resp: 117415

Ion Ratio Lower Upper

65 100

67 49.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067708.D

Acq: 19 Nov 2020 15:10

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-017-ABCD

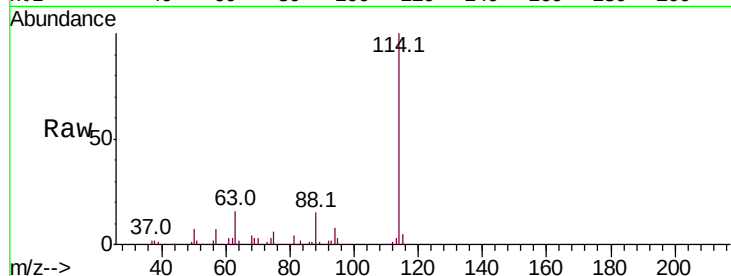
Tot Ion:114 Resp: 409816

Ion Ratio Lower Upper

114 100

63 15.8 0.0 35.0

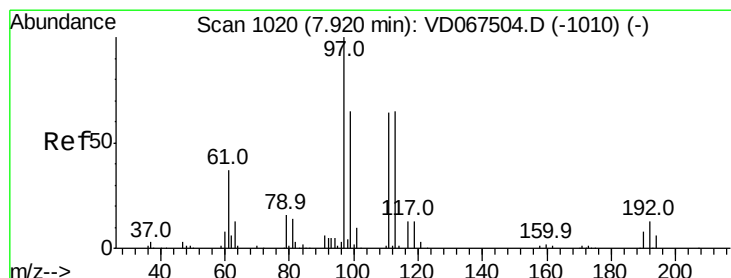
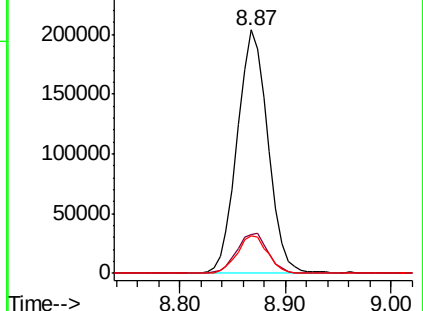
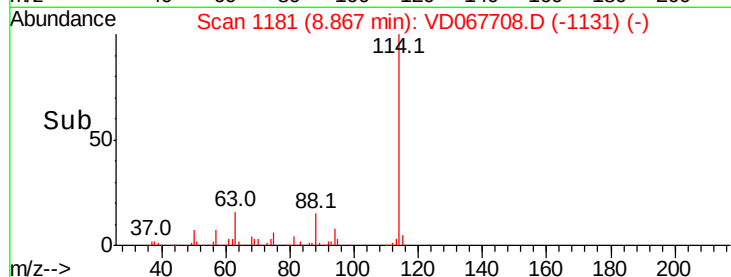
88 15.5 0.0 33.0



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



#35

Dibromofluoromethane

Concen: 50.476 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067708.D

Acq: 19 Nov 2020 15:10

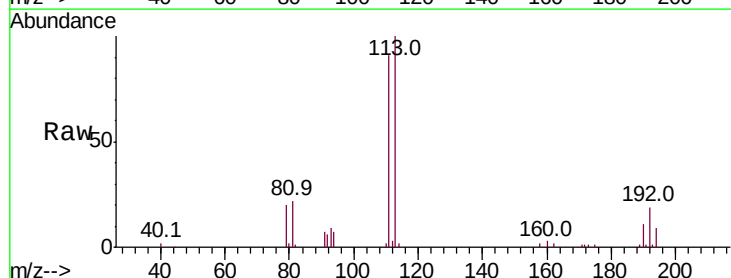
Tgt Ion:113 Resp: 124631

Ion Ratio Lower Upper

113 100

111 102.2 80.0 120.0

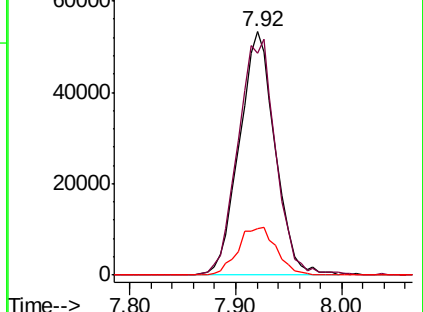
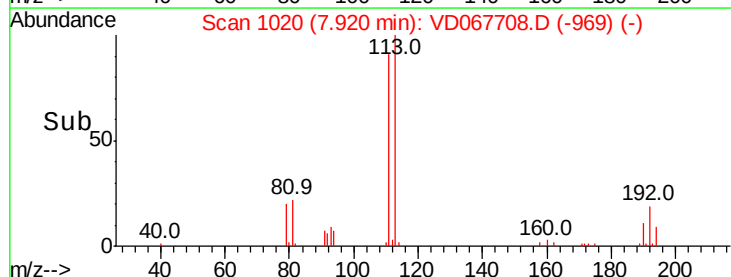
192 21.0 16.3 24.5

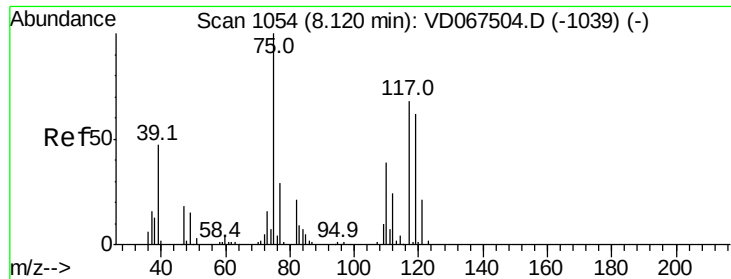


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.183 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067708.D

Acq: 19 Nov 2020 15:10

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MSVOA_D

ClientSampleId :

FK-BPM-03-017-ABCD

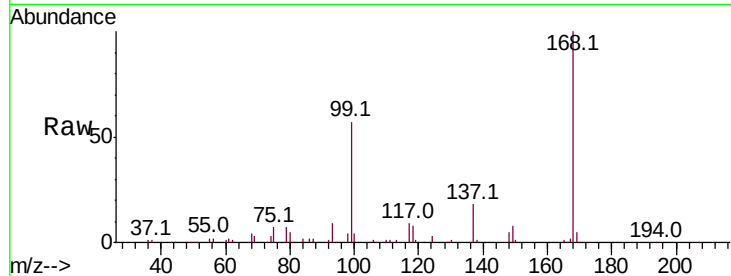
Tot Ion: 75 Resp: 18182

Ion Ratio Lower Upper

75 100

110 11.6 19.9 59.7#

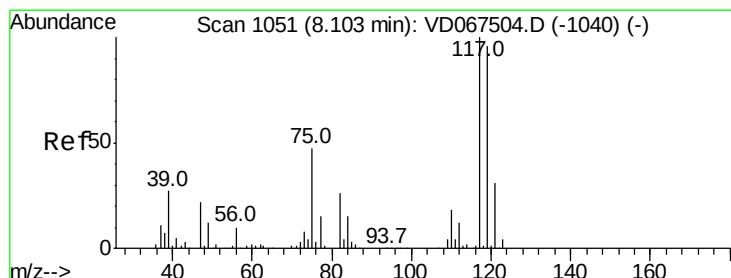
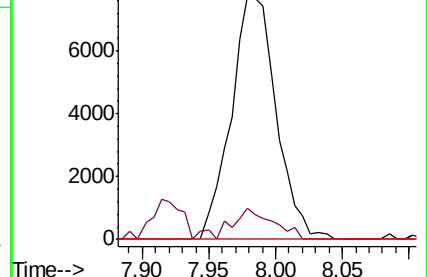
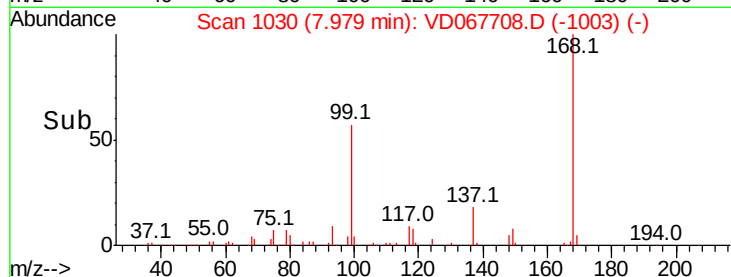
77 0.0 24.8 37.2#



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: 6.063 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067708.D

Acq: 19 Nov 2020 15:10

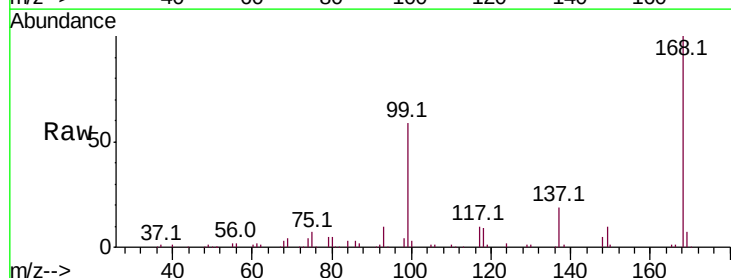
Tgt Ion: 117 Resp: 27632

Ion Ratio Lower Upper

117 100

119 5.5 76.9 115.3#

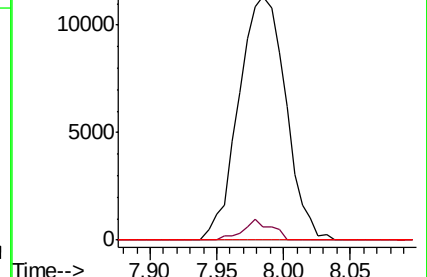
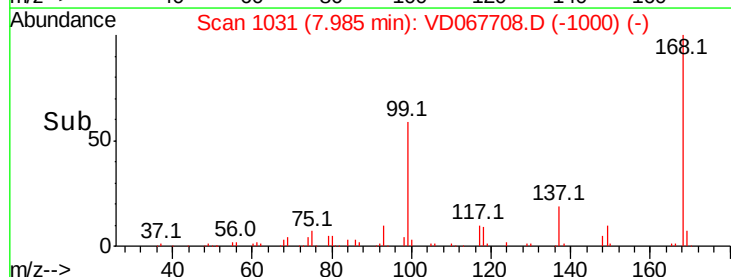
121 0.0 24.5 36.7#

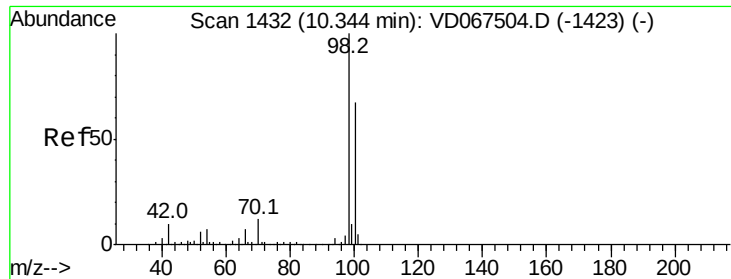


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 55.922 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067708.D

Acq: 19 Nov 2020 15:10

Instrument :

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ClientSampleId :

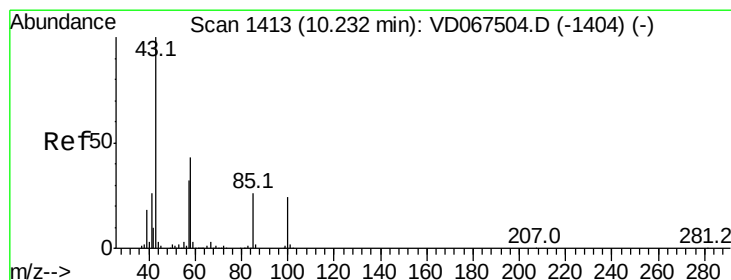
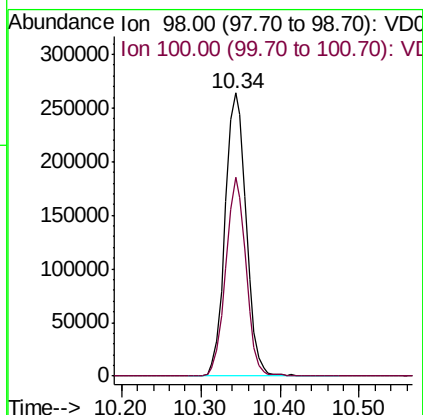
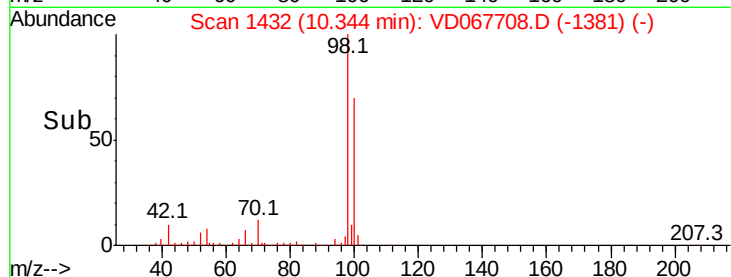
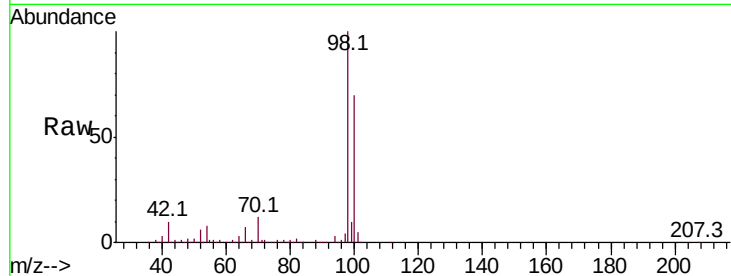
FK-BPM-03-017-ABCD

Tot Ion: 98 Resp: 485242

Ion Ratio Lower Upper

98 100

100 67.2 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 1.899 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067708.D

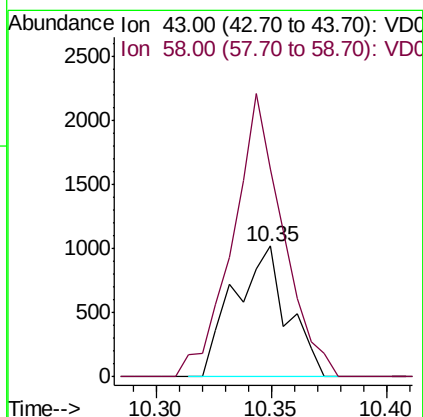
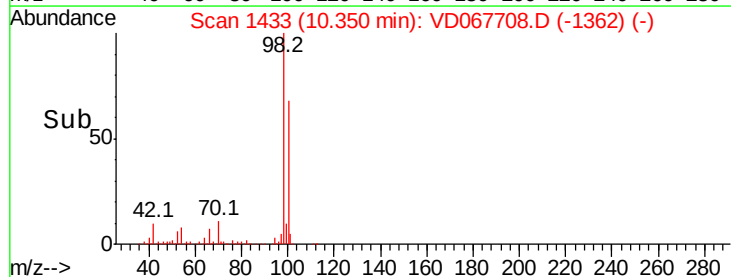
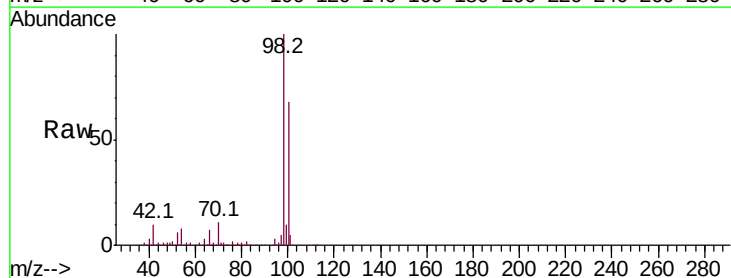
Acq: 19 Nov 2020 15:10

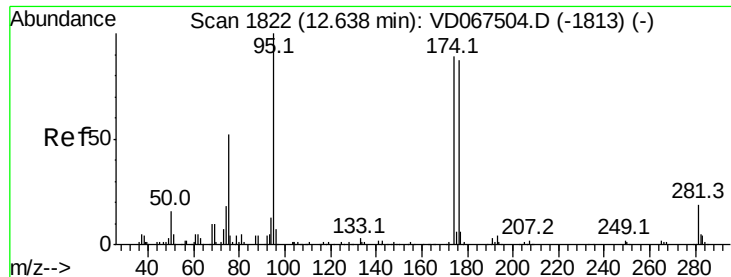
Tgt Ion: 43 Resp: 1636

Ion Ratio Lower Upper

43 100

58 203.3 35.6 53.4#





#62

4-Bromofluorobenzene

Concen: 64.914 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067708.D

Acq: 19 Nov 2020 15:10

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-017-ABCD

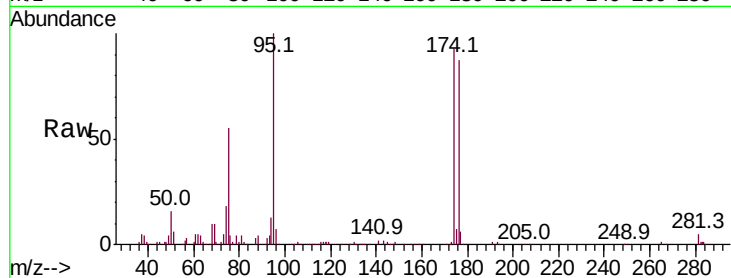
Tot Ion: 95 Resp: 194466

Ion Ratio Lower Upper

95 100

174 93.5 0.0 177.8

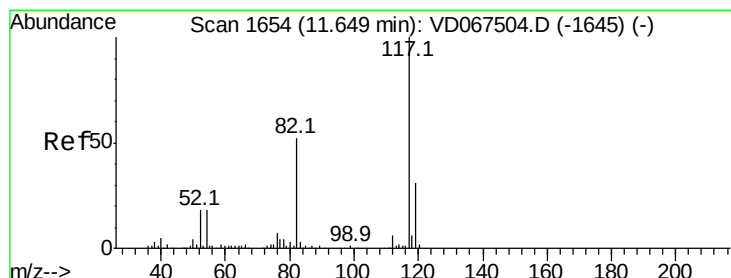
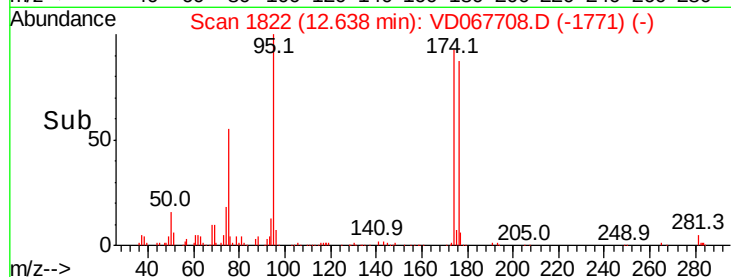
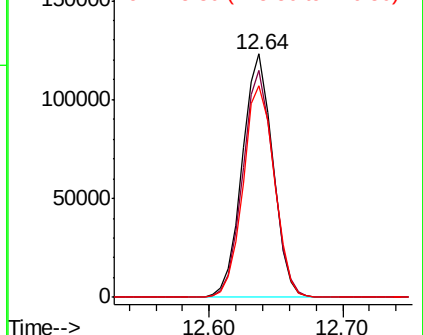
176 88.6 0.0 172.0



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD067708.D

Acq: 19 Nov 2020 15:10

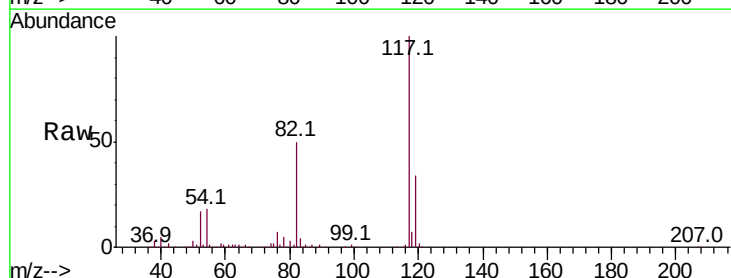
Tgt Ion: 117 Resp: 442828

Ion Ratio Lower Upper

117 100

82 50.2 41.6 62.4

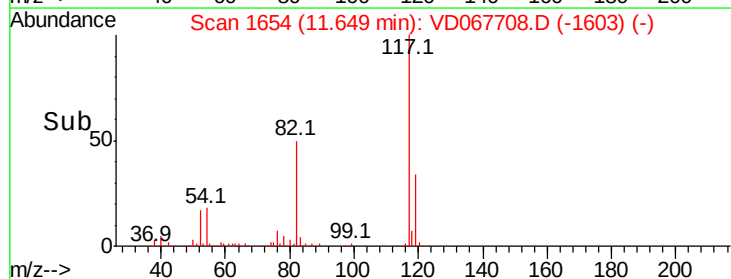
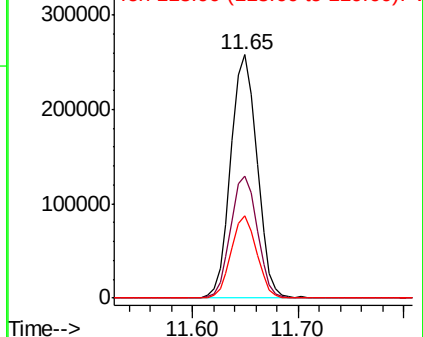
119 33.9 25.1 37.7

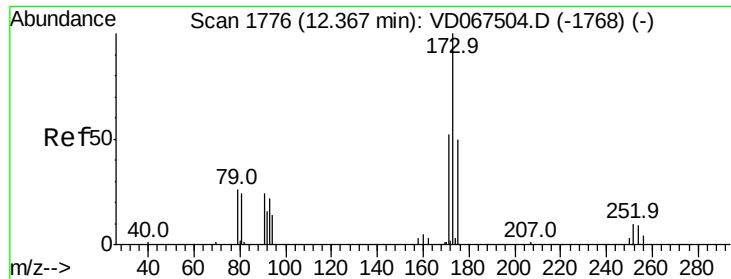


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 1.028 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD067708.D

Acq: 19 Nov 2020 15:10

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-017-ABCD

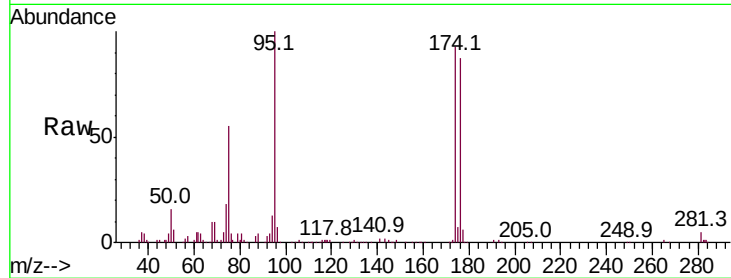
Tot Ion:173 Resp: 1763

Ion Ratio Lower Upper

173 100

175 667.8 24.1 72.2#

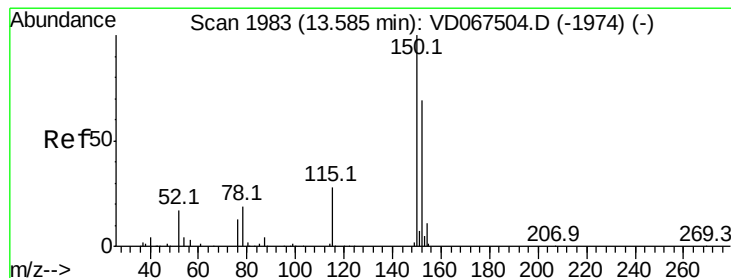
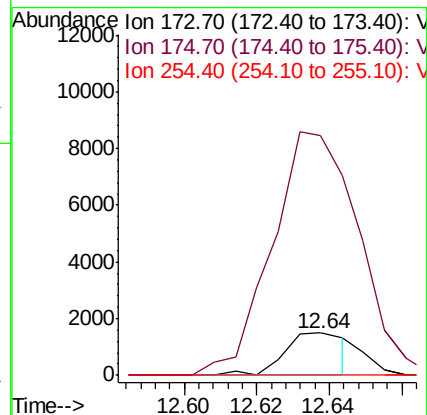
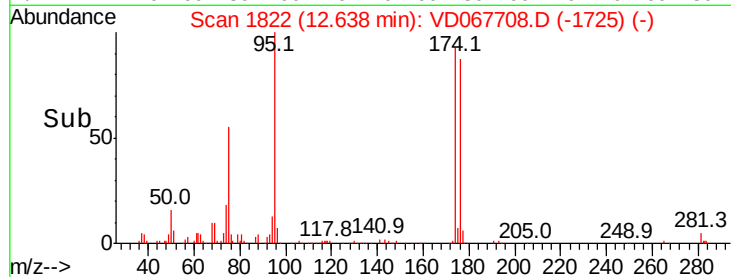
254 0.0 0.0 0.0



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: VD067708.D

Acq: 19 Nov 2020 15:10

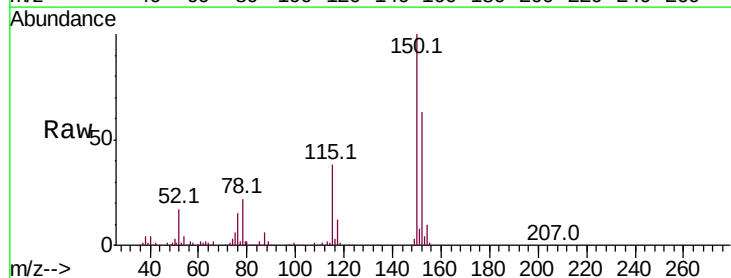
Tgt Ion:152 Resp: 234588

Ion Ratio Lower Upper

152 100

115 58.9 29.3 88.0

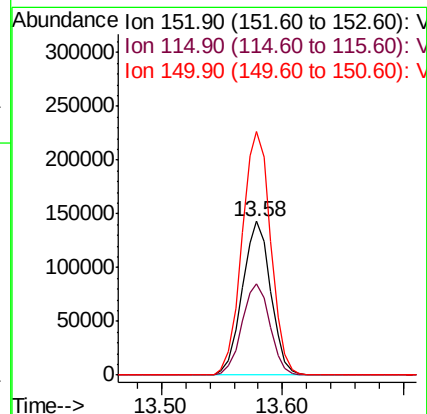
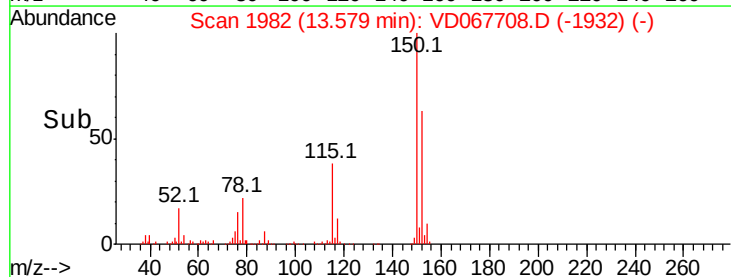
150 159.7 0.0 338.2

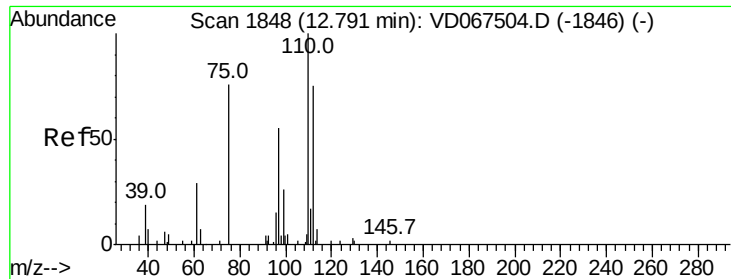


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 75.555 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067708.D

Acq: 19 Nov 2020 15:10

Instrument :

MSVOA_D

ClientSampleId :

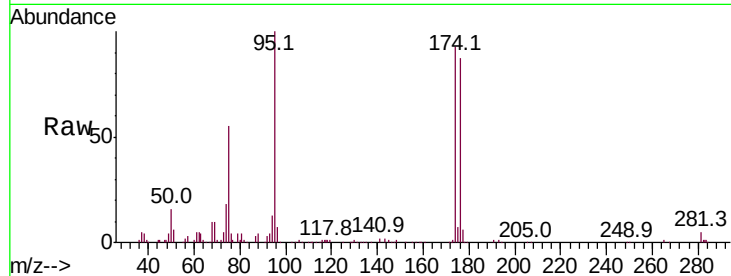
FK-BPM-03-017-ABCD

Tot Ion: 75 Resp: 106923

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

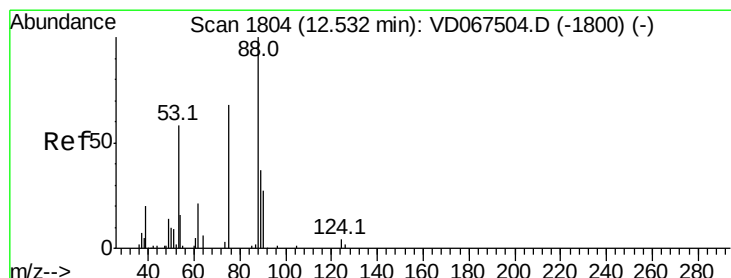
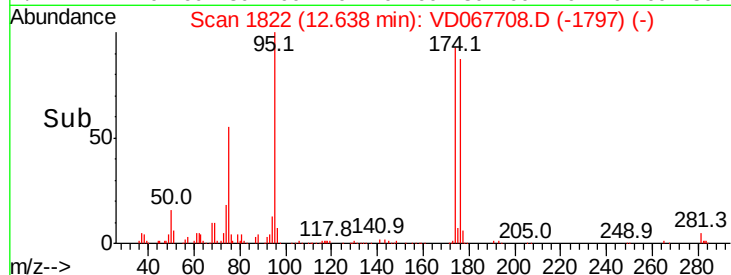
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 153.397 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067708.D

Acq: 19 Nov 2020 15:10

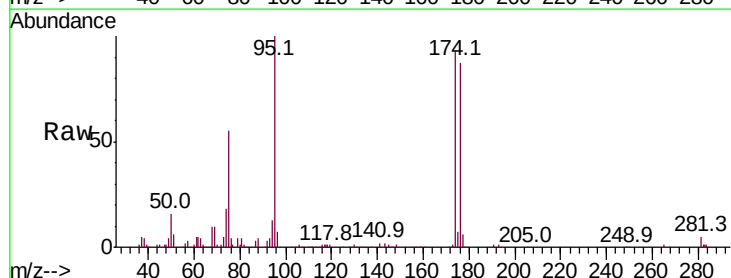
Tgt Ion: 75 Resp: 106923

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

12.64

60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

