

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110620\
 Data File : VD067548.D
 Acq On : 06 Nov 2020 12:57
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Nov 06 23:29:01 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	295094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	457044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	405993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	192844	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	131915	51.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.24%	
35) Dibromofluoromethane	7.91	113	133395	48.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.88%	
50) Toluene-d8	10.34	98	453148	46.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.66%	
62) 4-Bromofluorobenzene	12.64	95	149706	44.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.62%	

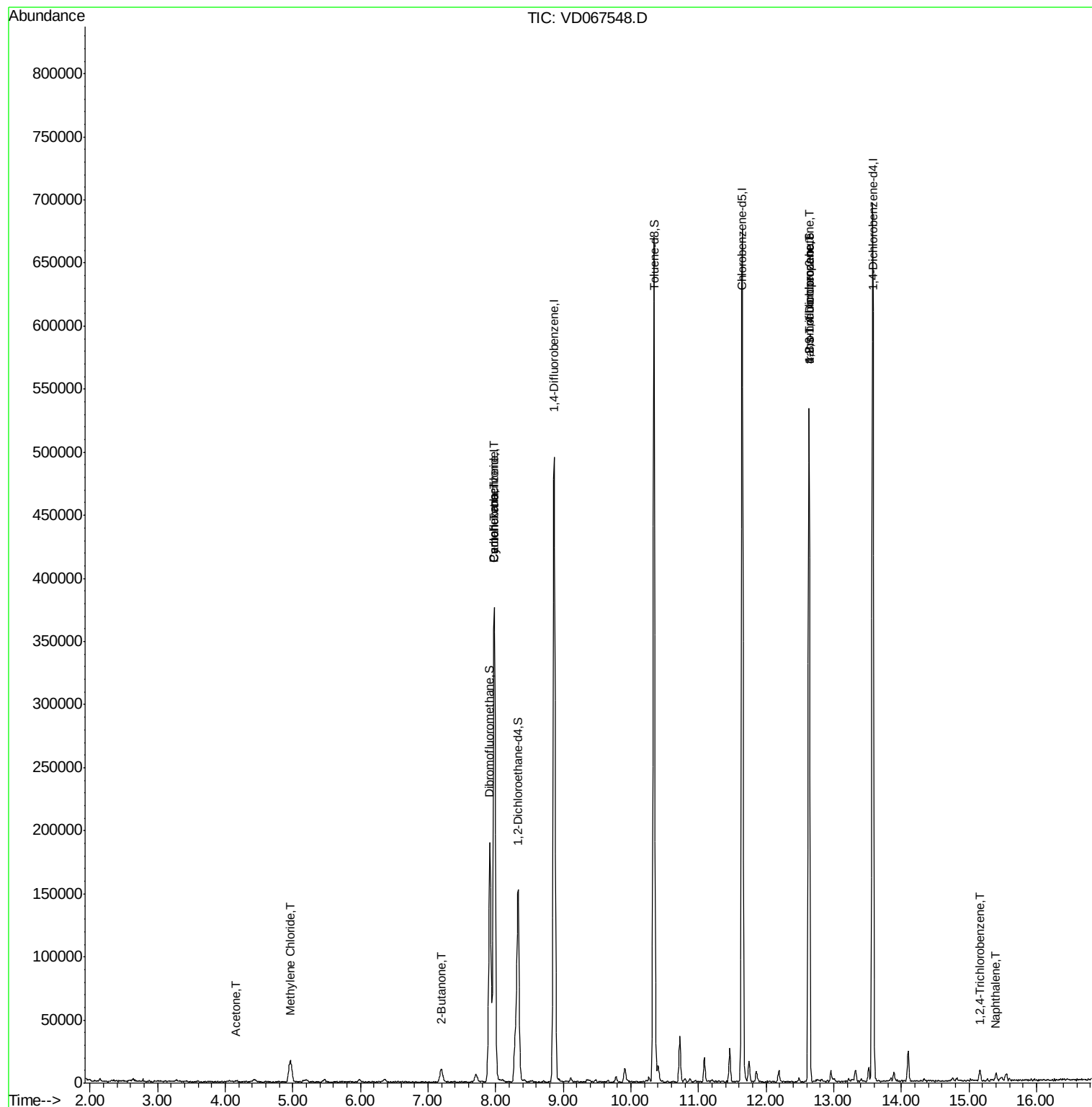
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	774	Below Cal		99
11) Tert butyl alcohol	5.22	59	343	Below Cal	#	79
16) Acetone	4.16	43	1748	4.527	ug/l #	61
20) Methylene Chloride	4.96	84	15450	5.664	ug/l #	87
25) 2-Butanone	7.20	43	446	1.081	ug/l #	42
31) Cyclohexane	7.98	56	5328	1.424	ug/l #	8
38) Carbon Tetrachloride	7.97	117	30169	5.935	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	78742	67.686	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	78742	137.420	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.17	180	3638	1.060	ug/l	94
95) Naphthalene	15.40	128	6527	1.233	ug/l #	90

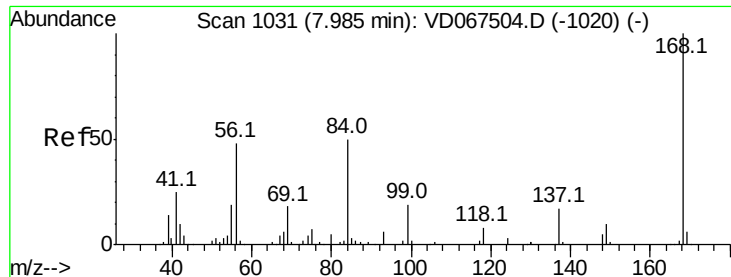
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110620\
Data File : VD067548.D
Acq On : 06 Nov 2020 12:57
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Quant Time: Nov 06 23:29:01 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# 1030

Delta R.T. -0.01 min

Lab File: VD067548.D

Acq: 06 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

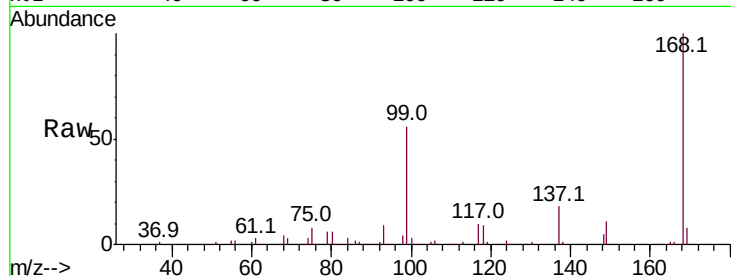
VIBLK

Tot Ion:168 Resp: 295094

Ion Ratio Lower Upper

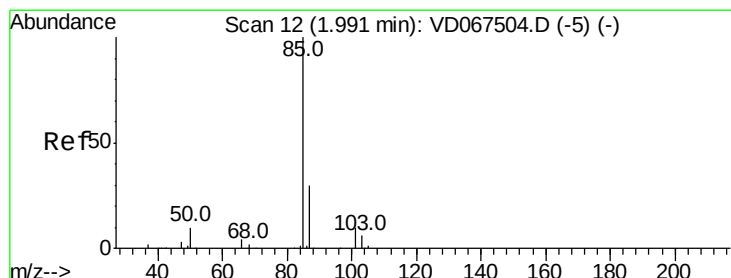
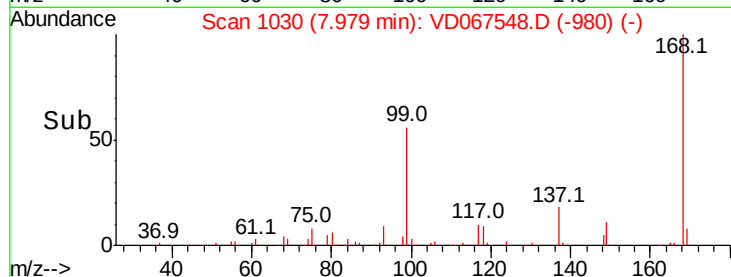
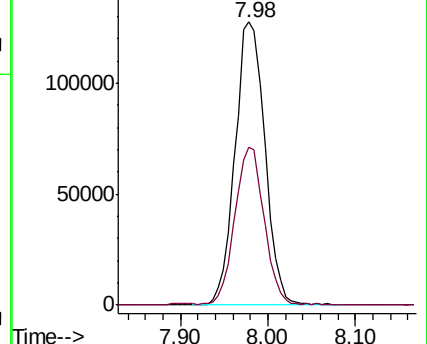
168 100

99 55.5 45.0 67.6



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# 12

Delta R.T. -0.00 min

Lab File: VD067548.D

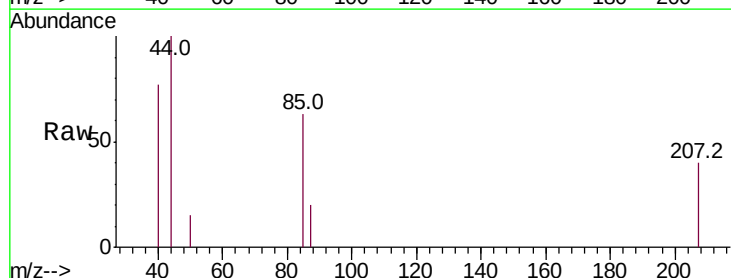
Acq: 06 Nov 2020 12:57

Tgt Ion: 85 Resp: 774

Ion Ratio Lower Upper

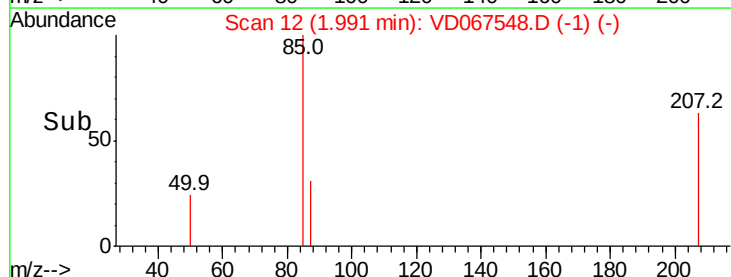
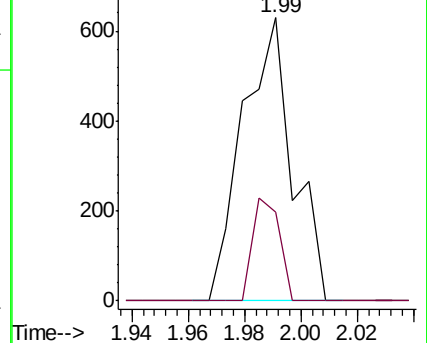
85 100

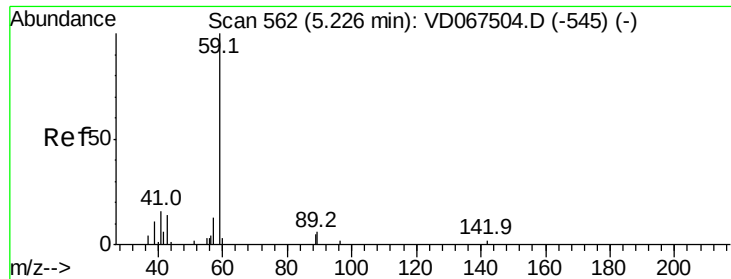
87 31.2 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

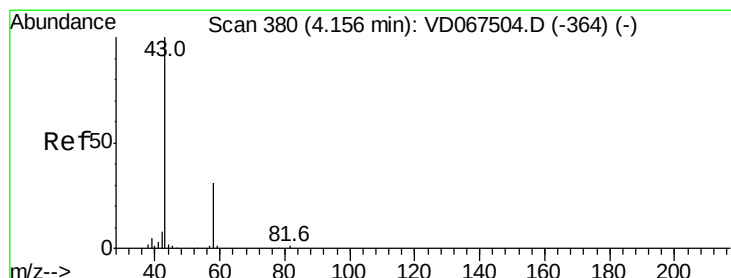
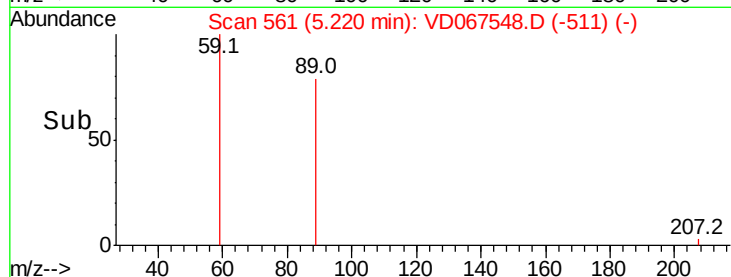
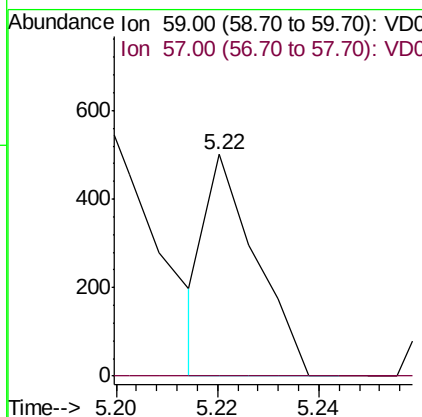
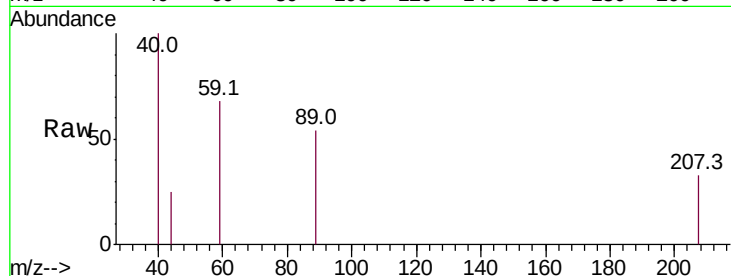




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD067548.D
Acq: 06 Nov 2020 12:57

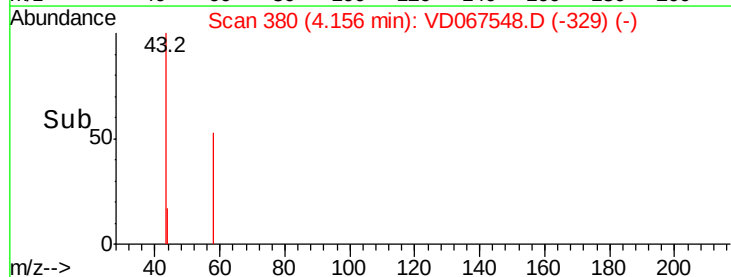
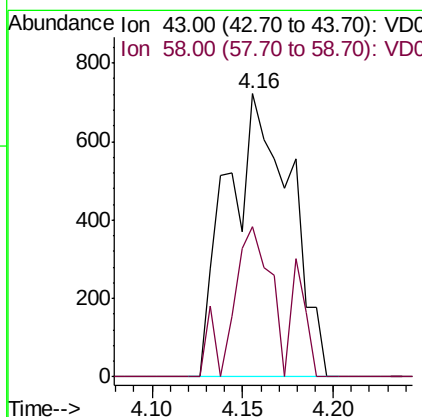
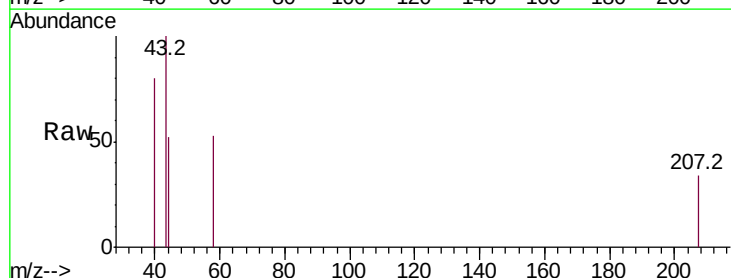
Instrument :
MSVOA_D
ClientSampled :
VIBLK

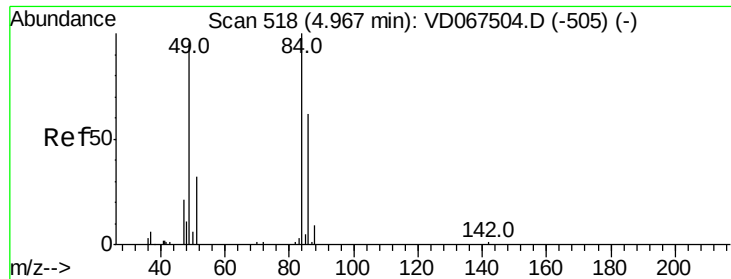
Tot Ion: 59 Resp: 343
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#



#16
Acetone
Concen: 4.527 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.00 min
Lab File: VD067548.D
Acq: 06 Nov 2020 12:57

Tgt Ion: 43 Resp: 1748
Ion Ratio Lower Upper
43 100
58 52.9 25.2 37.8#

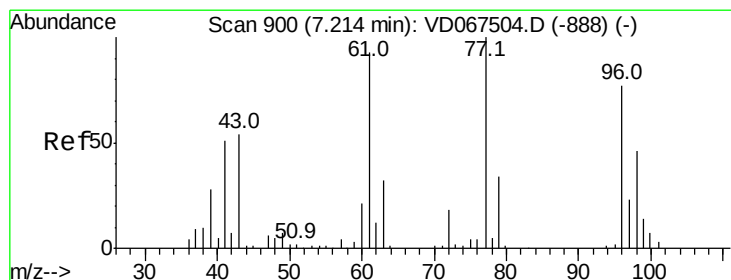
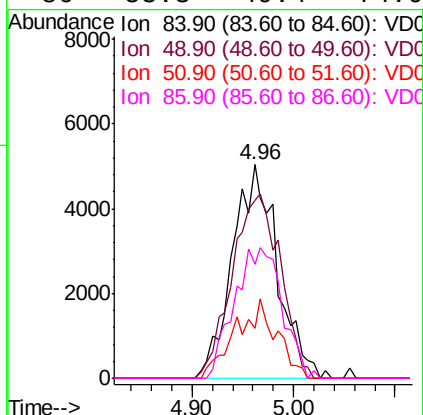
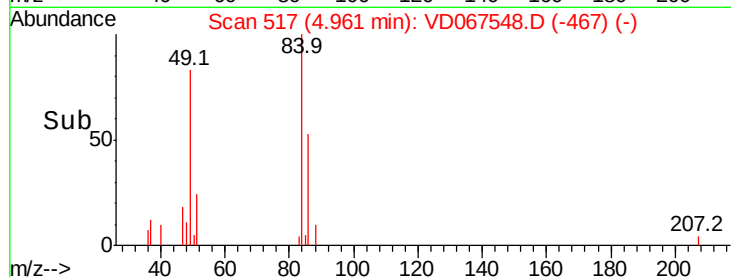
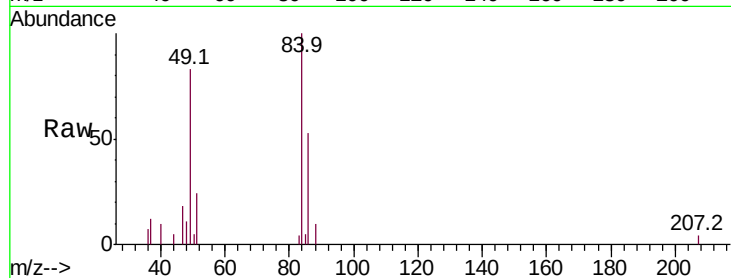




#20
Methvlene Chloride
Concen: 5.664 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067548.D
Acq: 06 Nov 2020 12:57

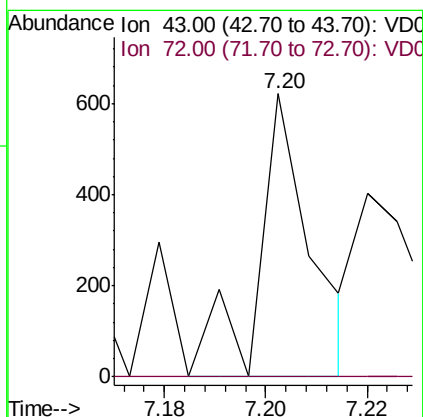
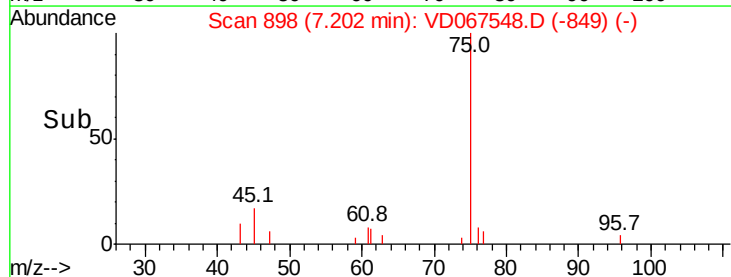
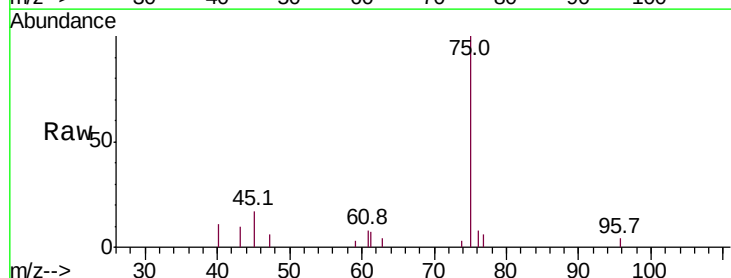
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

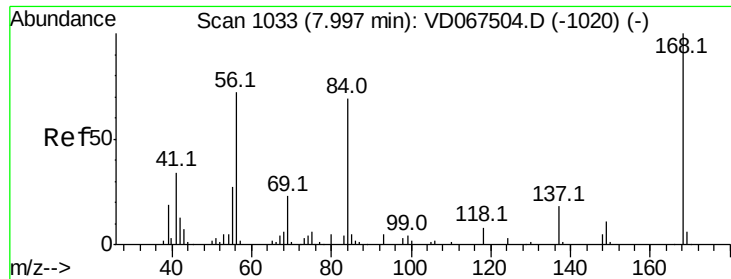
Tot Ion: 84 Resp: 15450
Ion Ratio Lower Upper
84 100
49 83.1 77.0 115.4
51 23.7 25.4 38.2#
86 53.3 49.4 74.0



#25
2-Butanone
Concen: 1.081 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067548.D
Acq: 06 Nov 2020 12:57

Tgt Ion: 43 Resp: 446
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#

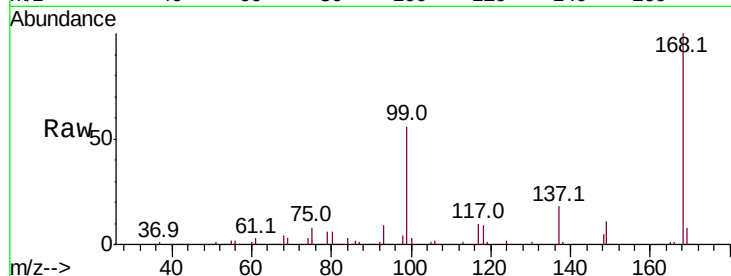




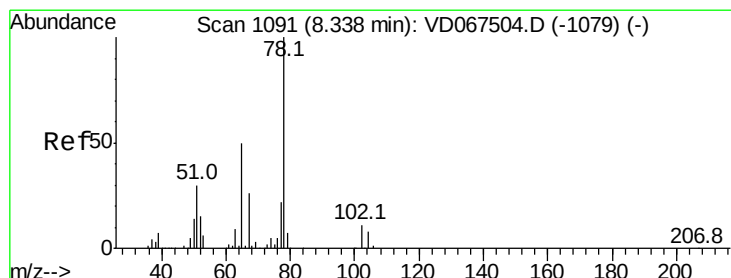
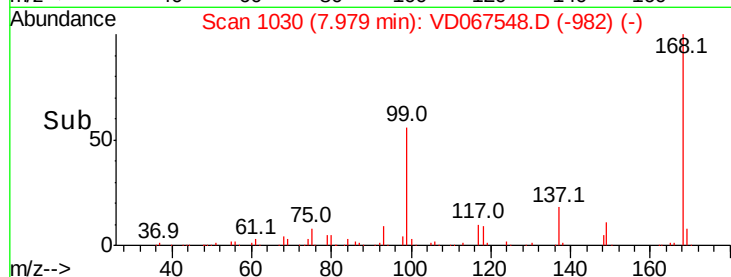
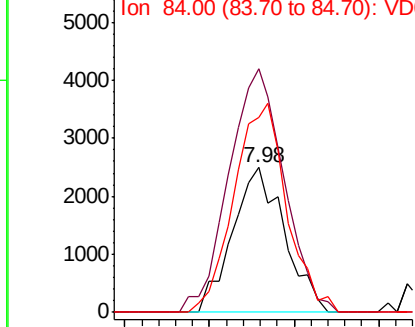
#31
Cyclohexane
Concen: 1.424 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VD067548.D
Acq: 06 Nov 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tot Ion: 56 Resp: 5328
Ion Ratio Lower Upper
56 100
69 168.4 25.9 38.9#
84 134.8 76.2 114.4#

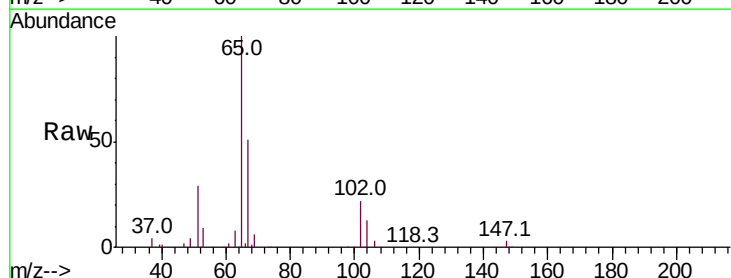


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

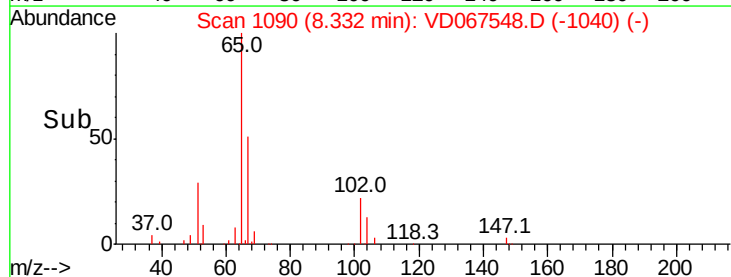
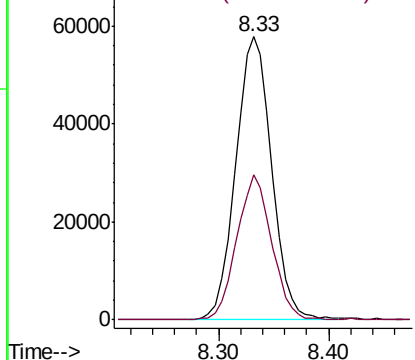


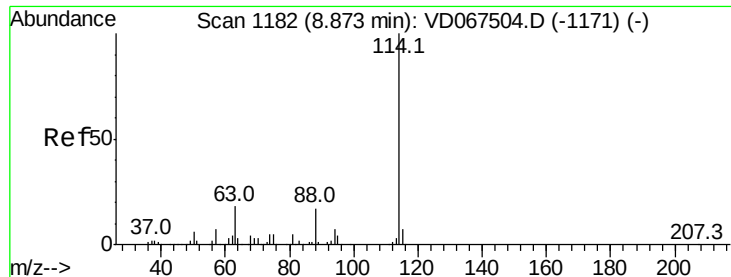
#33
1,2-Dichloroethane-d4
Concen: 51.124 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067548.D
Acq: 06 Nov 2020 12:57

Tgt Ion: 65 Resp: 131915
Ion Ratio Lower Upper
65 100
67 49.6 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: VD067548.D

Acq: 06 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

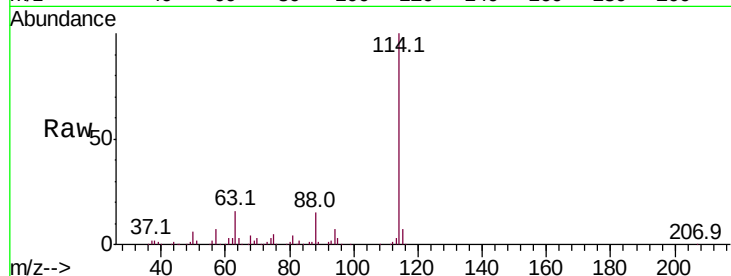
Tot Ion:114 Resp: 457044

Ion Ratio Lower Upper

114 100

63 16.2 0.0 35.0

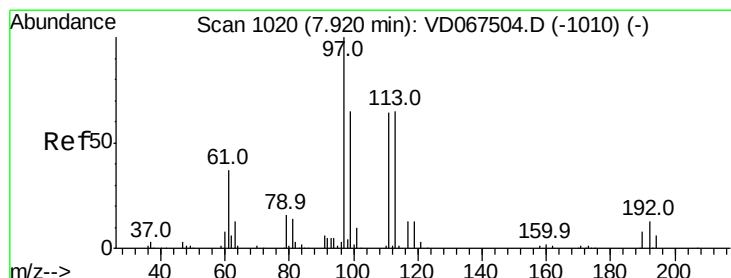
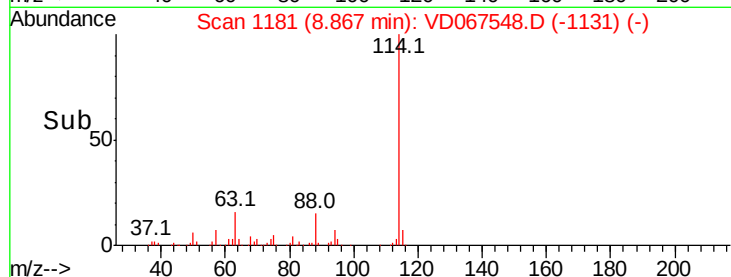
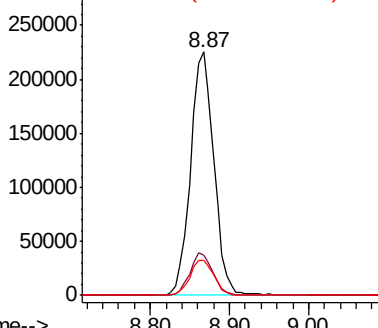
88 14.6 0.0 33.0



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: 48.442 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD067548.D

Acq: 06 Nov 2020 12:57

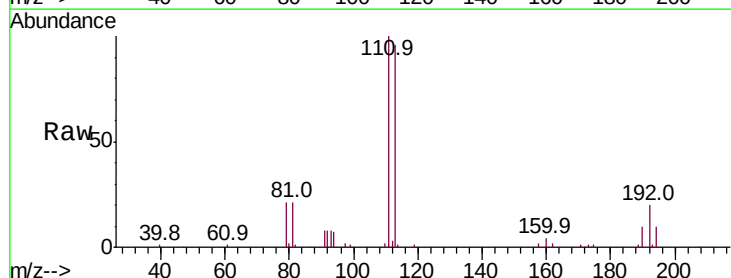
Tgt Ion:113 Resp: 133395

Ion Ratio Lower Upper

113 100

111 101.4 80.0 120.0

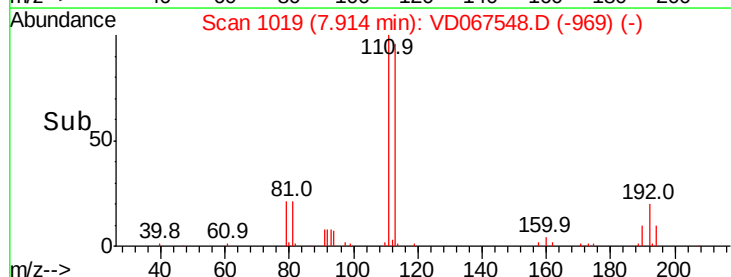
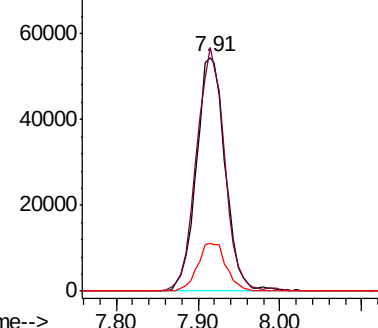
192 20.2 16.3 24.5

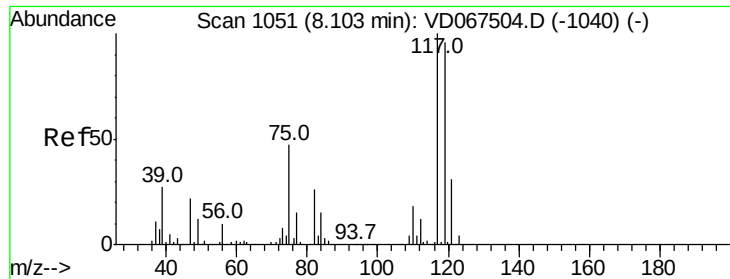


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 5.935 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.13 min

Lab File: VD067548.D

Acq: 06 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

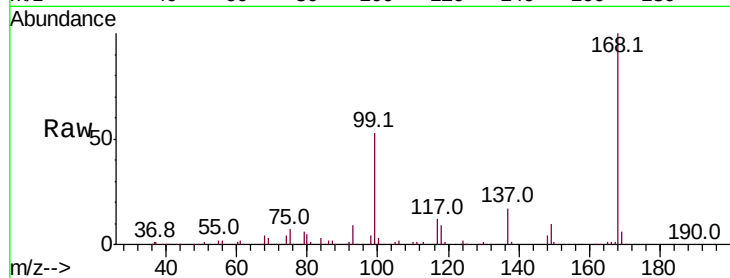
Tot Ion:117 Resp: 30169

Ion Ratio Lower Upper

117 100

119 5.9 76.9 115.3#

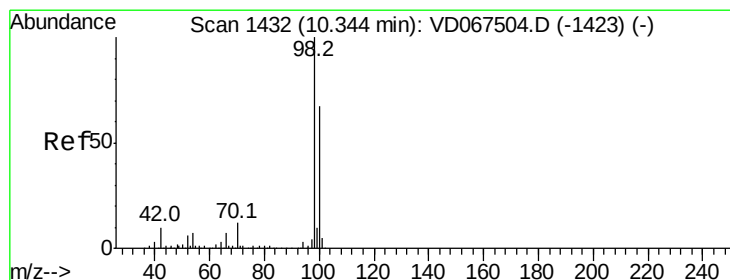
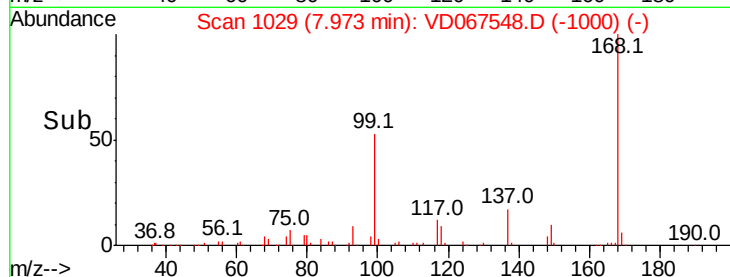
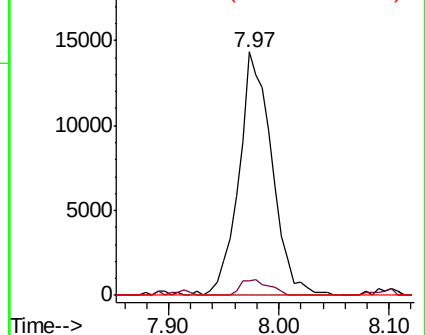
121 0.0 24.5 36.7#



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: 46.827 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067548.D

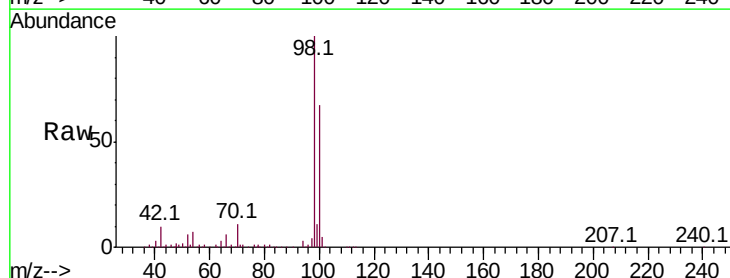
Acq: 06 Nov 2020 12:57

Tgt Ion: 98 Resp: 453148

Ion Ratio Lower Upper

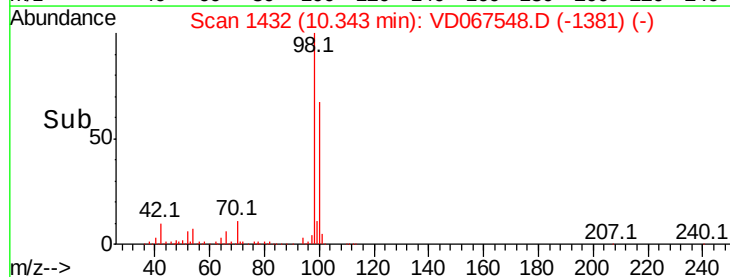
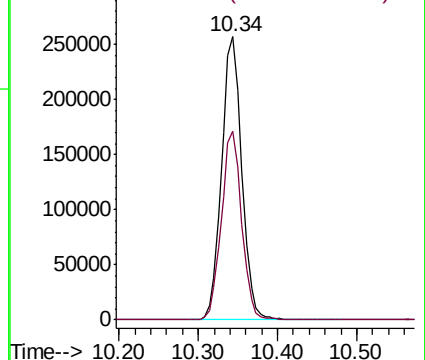
98 100

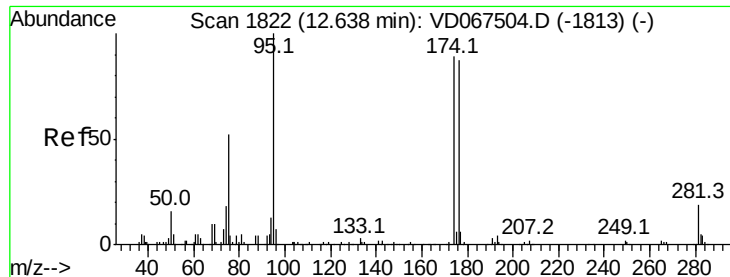
100 66.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.809 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067548.D

Acq: 06 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

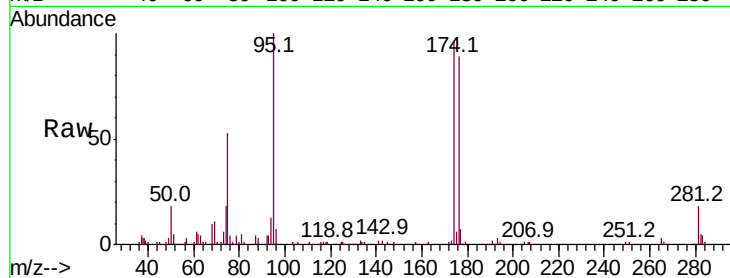
Tot Ion: 95 Resp: 149706

Ion Ratio Lower Upper

95 100

174 92.2 0.0 177.8

176 88.1 0.0 172.0



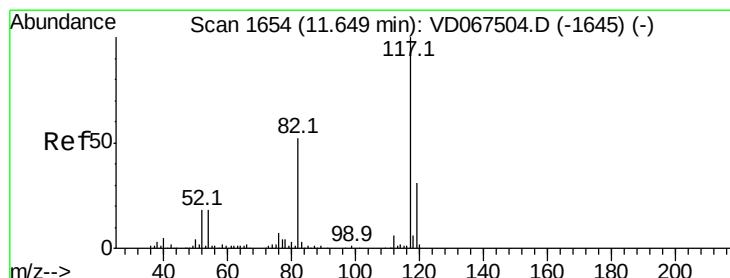
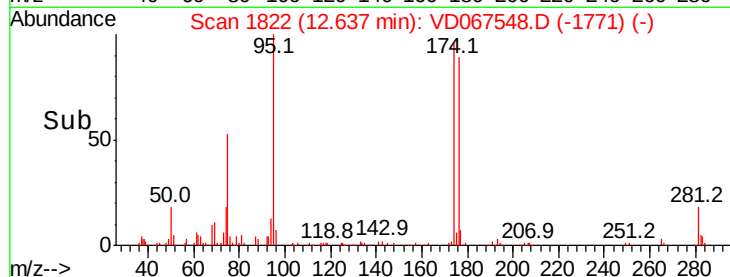
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD067548.D

Acq: 06 Nov 2020 12:57

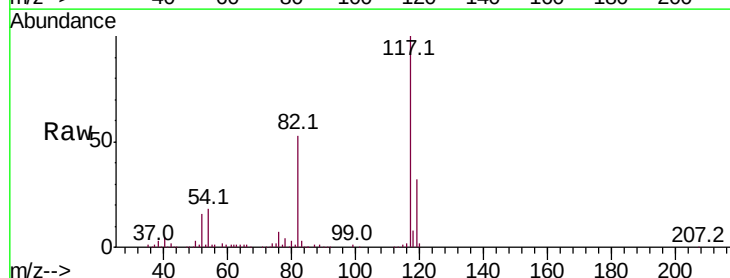
Tgt Ion: 117 Resp: 405993

Ion Ratio Lower Upper

117 100

82 52.6 41.6 62.4

119 32.0 25.1 37.7



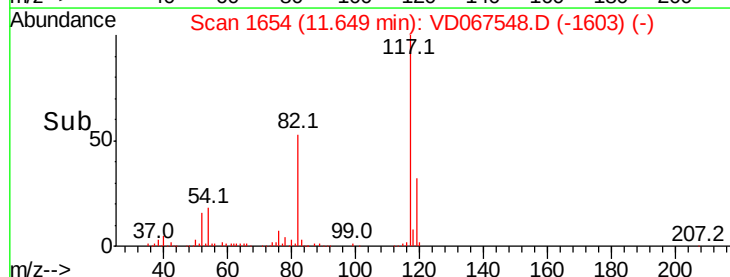
Abundance Ion 116.90 (116.60 to 117.60): V

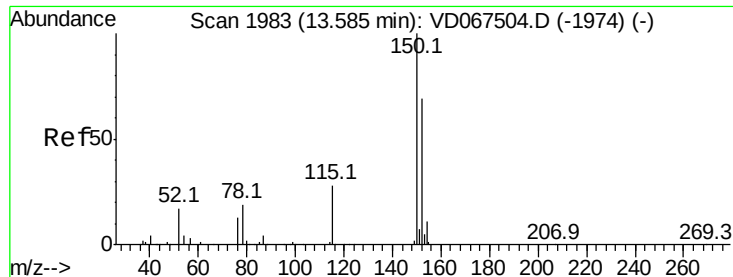
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.65

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067548.D

Acq: 06 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

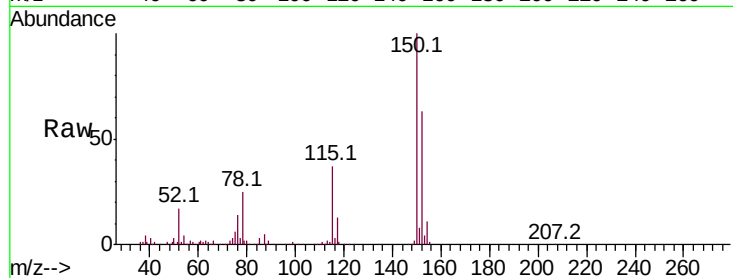
Tot Ion:152 Resp: 192844

Ion Ratio Lower Upper

152 100

115 58.9 29.3 88.0

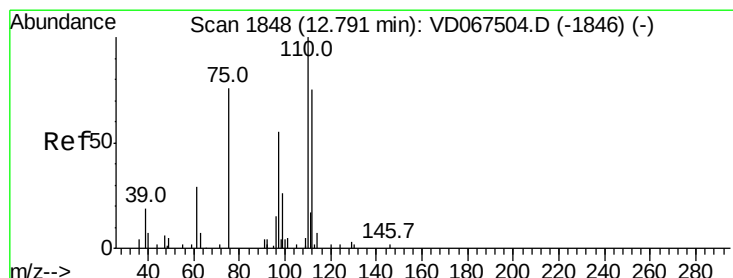
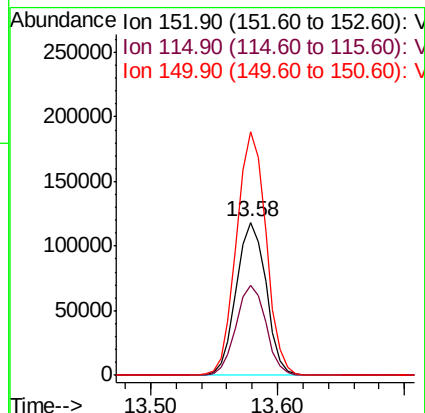
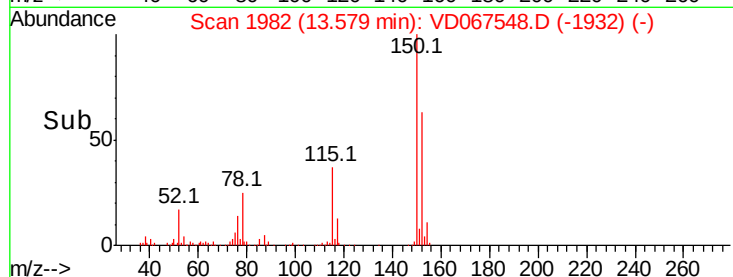
150 157.9 0.0 338.2



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: 67.686 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067548.D

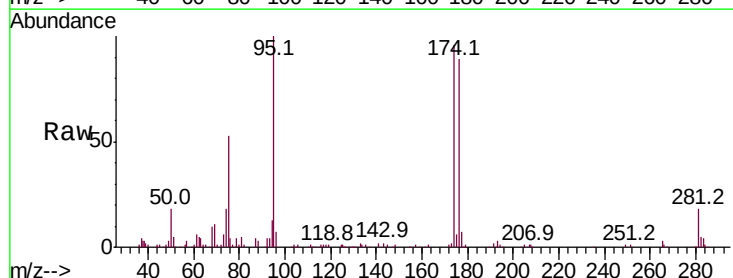
Acq: 06 Nov 2020 12:57

Tgt Ion: 75 Resp: 78742

Ion Ratio Lower Upper

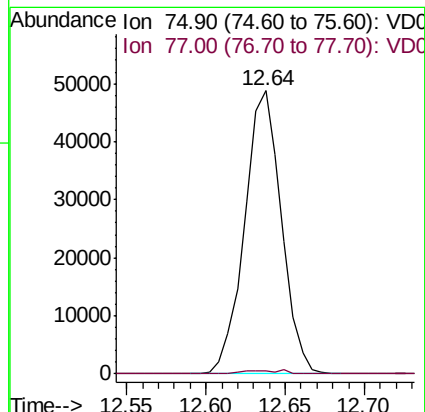
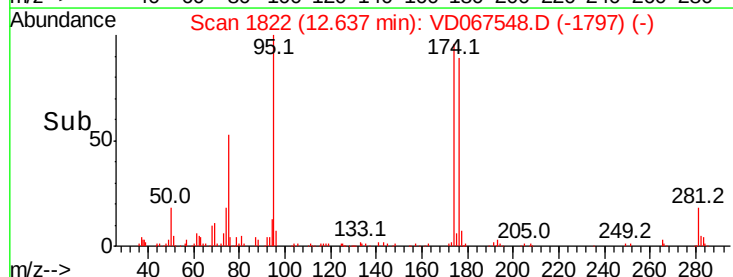
75 100

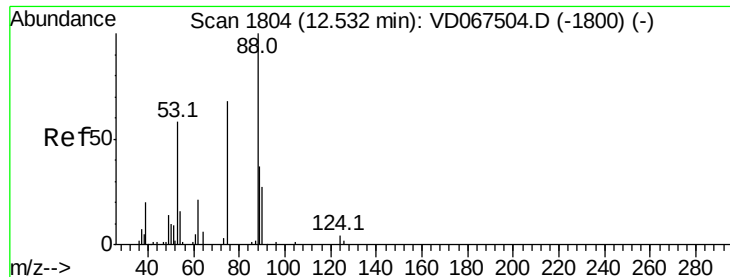
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

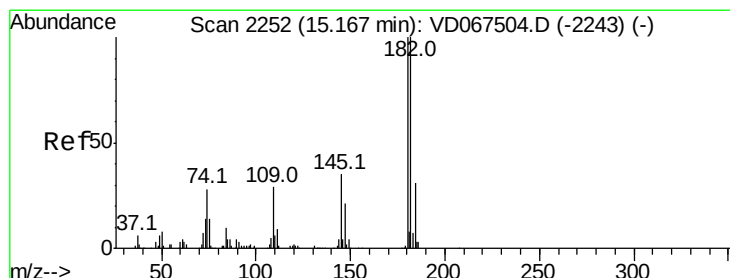
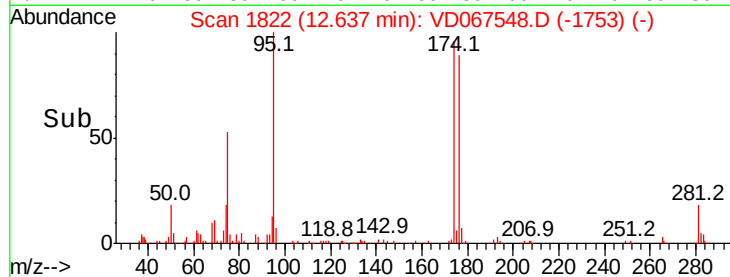
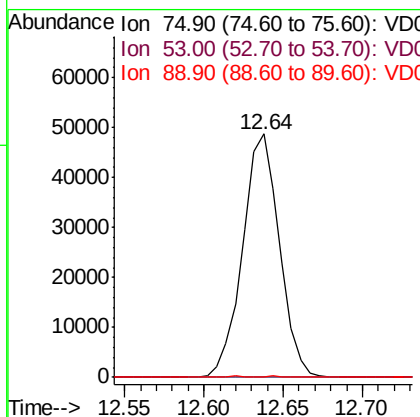
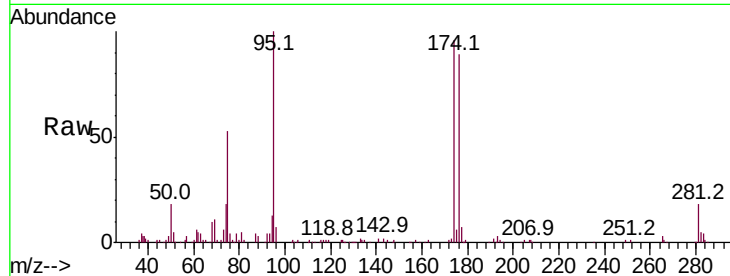




#81
trans-1,4-Dichloro-2-butene
Concen: 137.420 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD067548.D
Acq: 06 Nov 2020 12:57

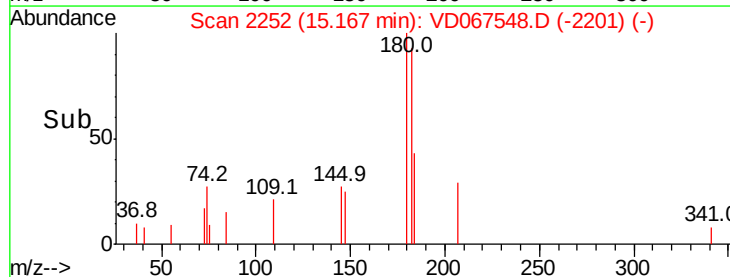
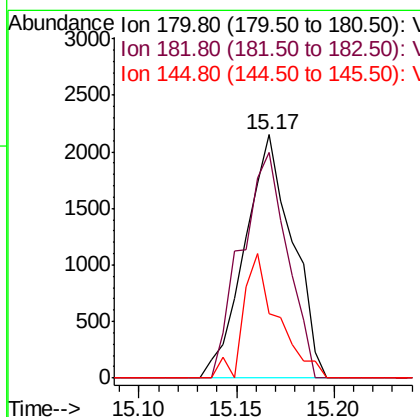
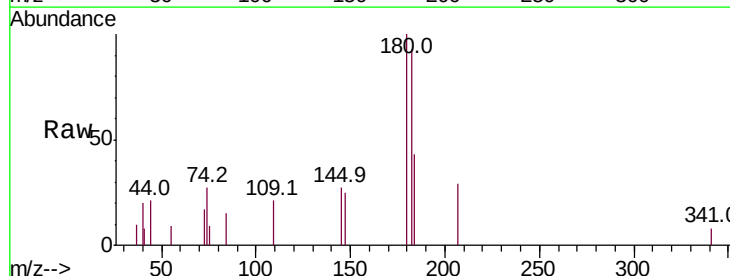
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

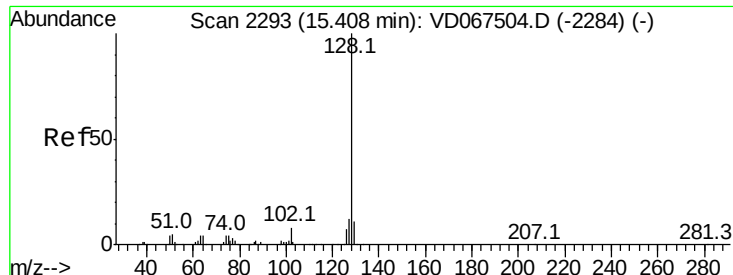
Tot Ion: 75 Resp: 78742
Ion Ratio Lower Upper
75 100
53 0.0 75.9 113.9#
89 0.1 44.6 67.0#



#93
1,2,4-Trichlorobenzene
Concen: 1.060 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VD067548.D
Acq: 06 Nov 2020 12:57

Tgt Ion:180 Resp: 3638
Ion Ratio Lower Upper
180 100
182 89.7 47.4 142.3
145 37.1 16.2 48.6





#95

Naphthalene

Concen: 1.233 ug/l

RT: 15.40 min Scan# 2291

Delta R.T. -0.01 min

Lab File: VD067548.D

Acq: 06 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

Tot Ion:128 Resp: 6527

Ion Ratio Lower Upper

128 100

127 9.5 10.2 15.4#

129 6.9 8.9 13.3#

