

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111720\
 Data File : VD067661.D
 Acq On : 17 Nov 2020 14:37
 Operator : VA/SY
 Sample : L4771-04
 Misc : 6.49G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CD-BH-01-2-3

Quant Time: Nov 17 23:58:29 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	6149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	8444	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	9696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	4385	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	3548	65.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	131.98%	
35) Dibromofluoromethane	7.91	113	2893	56.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.74%	
50) Toluene-d8	10.35	98	10236	57.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.50%	
62) 4-Bromofluorobenzene	12.64	95	3622	58.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	117.36%	

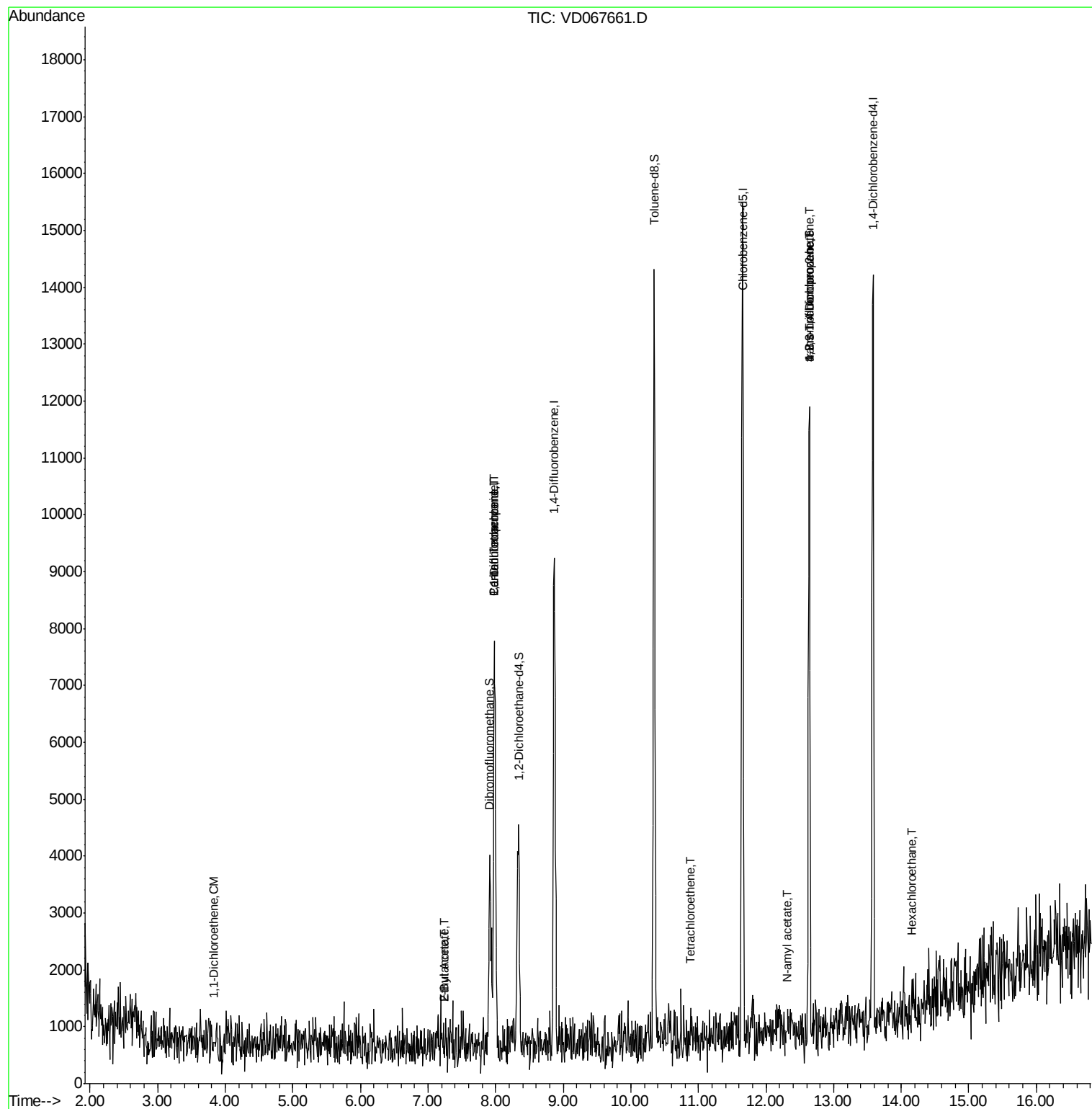
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.83	96	67	1.305	ug/l #	1
25) 2-Butanone	7.24	43	56	6.514	ug/l #	42
36) 1,1-Dichloropropene	7.98	75	391	5.410	ug/l #	39
37) Ethyl Acetate	7.24	43	56	2.984	ug/l #	63
38) Carbon Tetrachloride	7.98	117	643	6.847	ug/l #	12
64) Tetrachloroethene	10.88	164	117	1.629	ug/l #	1
74) N-amyl acetate	12.30	43	81	2.172	ug/l #	36
76) 1,2,3-Trichloropropane	12.64	75	1917	72.469	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	1917	147.131	ug/l #	10
90) Hexachloroethane	14.17	117	56	1.112	ug/l #	9

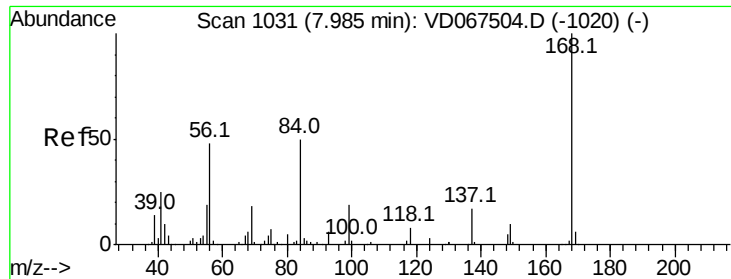
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1030

Delta R.T. -0.01 min

Lab File: VD067661.D

Acq: 17 Nov 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

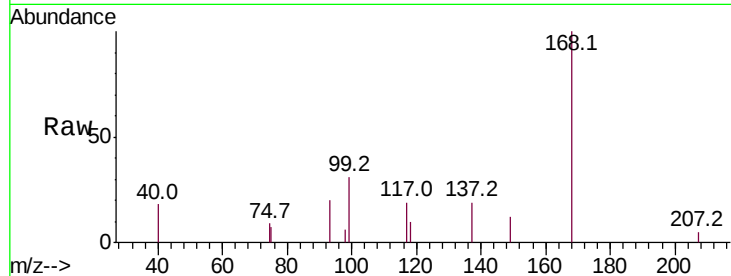
CD-BH-01-2-3

Tot Ion:168 Resp: 6149

Ion Ratio Lower Upper

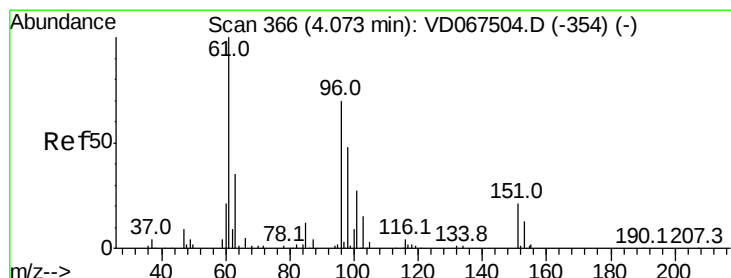
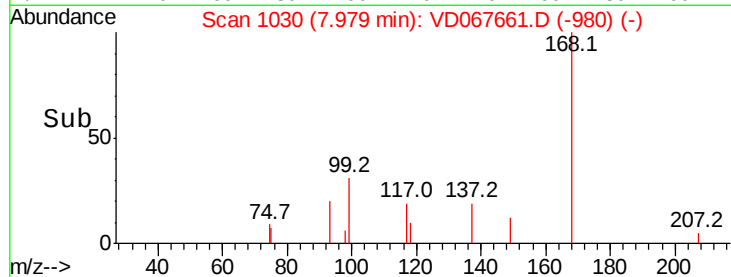
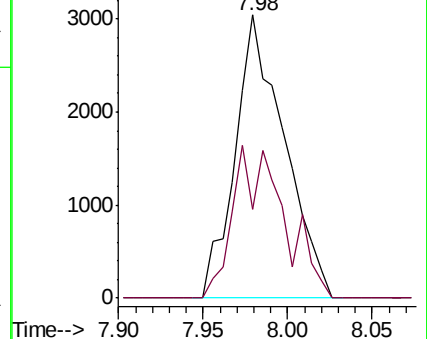
168 100

99 31.3 45.0 67.6#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#12

1,1-Dichloroethene

Concen: 1.305 ug/l

RT: 3.83 min Scan# 324

Delta R.T. -0.25 min

Lab File: VD067661.D

Acq: 17 Nov 2020 14:37

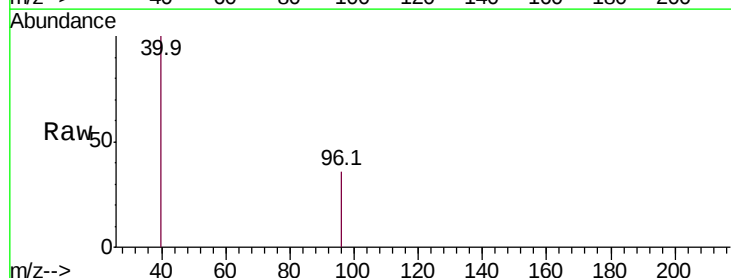
Tgt Ion: 96 Resp: 67

Ion Ratio Lower Upper

96 100

61 0.0 114.5 171.7#

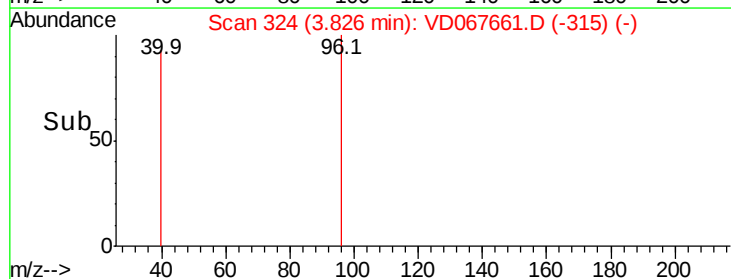
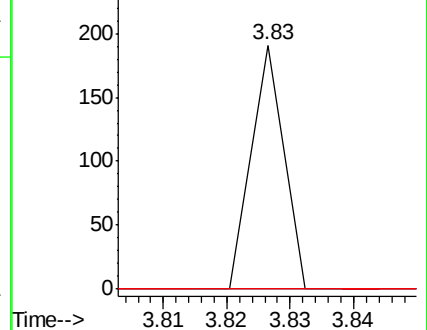
98 0.0 54.5 81.7#

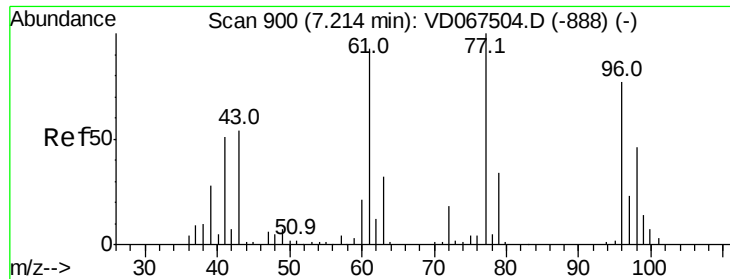


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#25

2-Butanone

Concen: 6.514 ug/l

RT: 7.24 min Scan# 905

Delta R.T. 0.03 min

Lab File: VD067661.D

Acq: 17 Nov 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

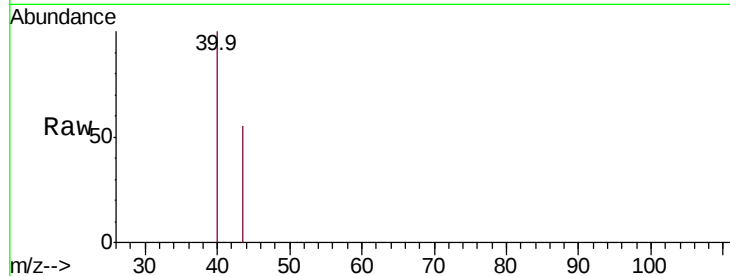
CD-BH-01-2-3

Tot Ion: 43 Resp: 56

Ion Ratio Lower Upper

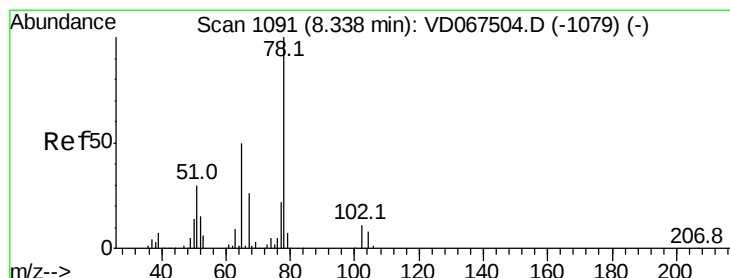
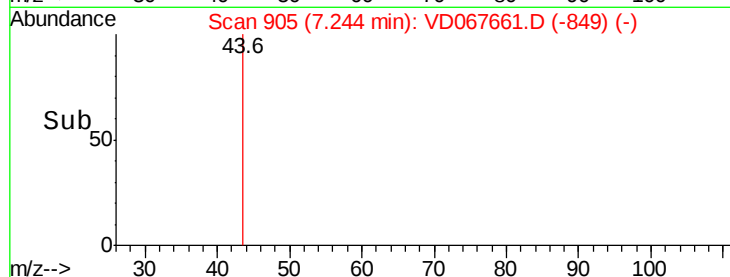
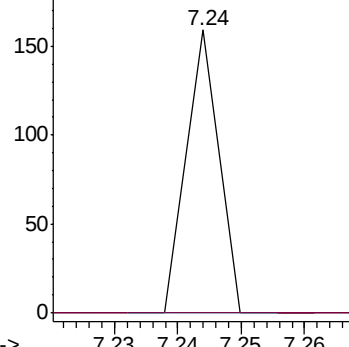
43 100

72 0.0 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 65.989 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067661.D

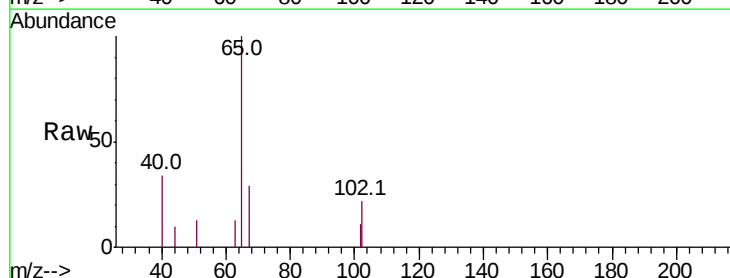
Acq: 17 Nov 2020 14:37

Tgt Ion: 65 Resp: 3548

Ion Ratio Lower Upper

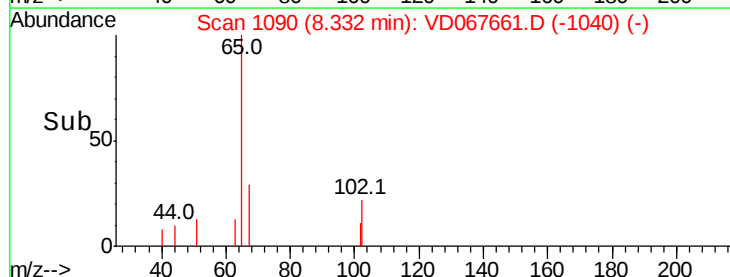
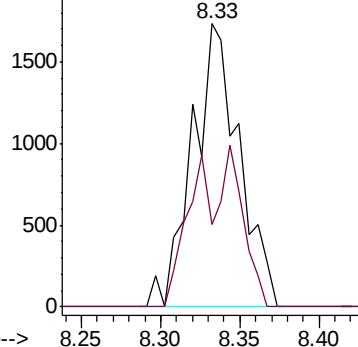
65 100

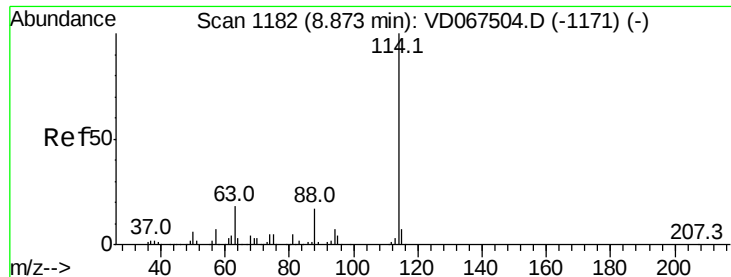
67 28.0 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

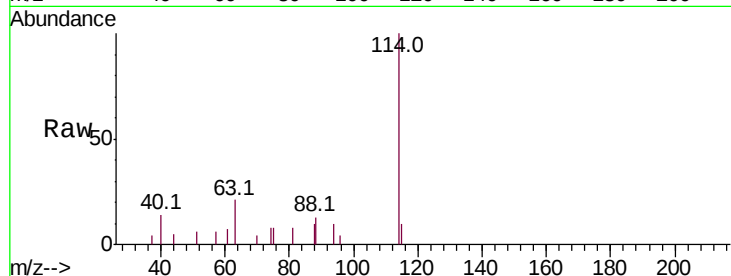




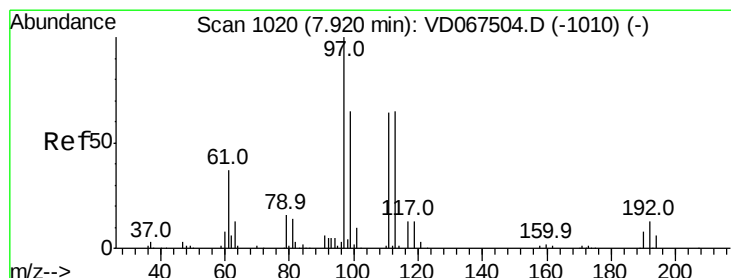
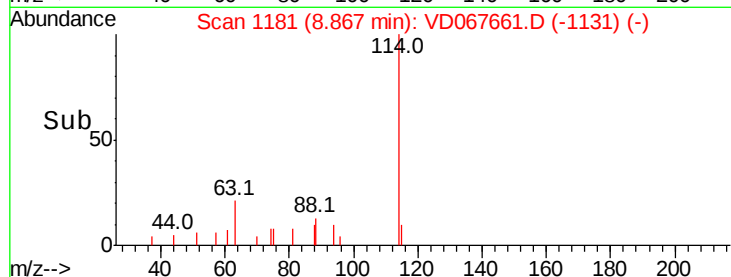
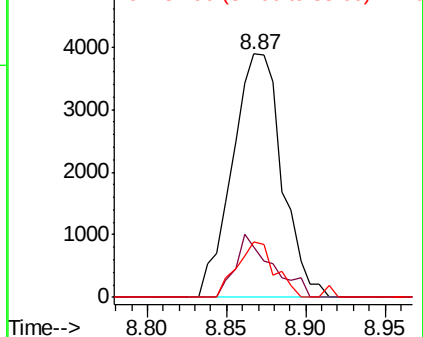
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067661.D
 Acq: 17 Nov 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 CD-BH-01-2-3

Tot Ion:114 Resp: 8444
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 35.0
 88 22.5 0.0 33.0

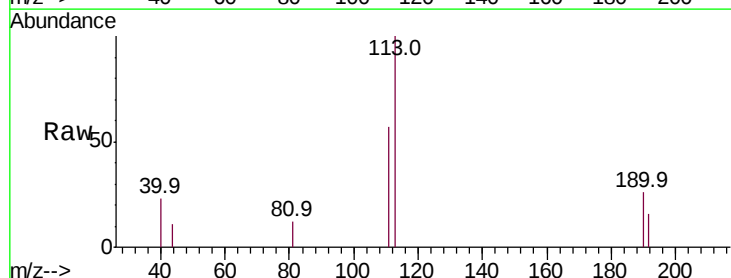


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

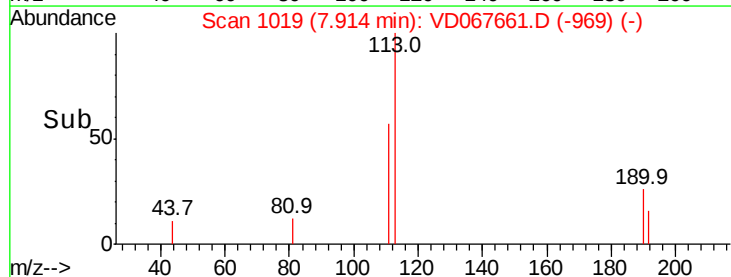
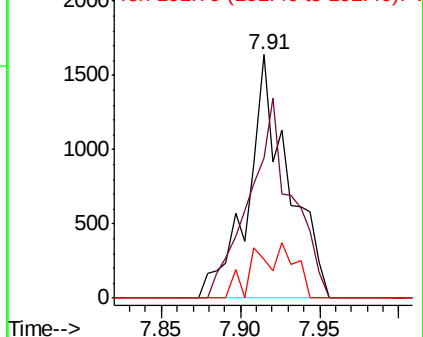


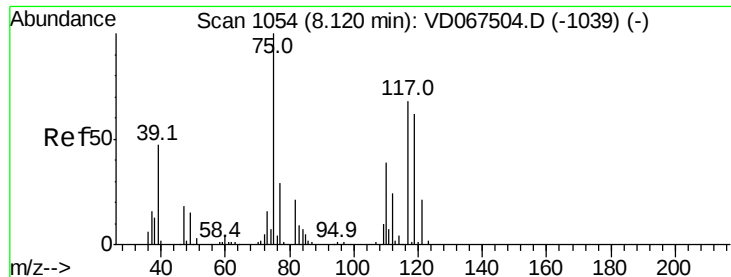
#35
 Dibromofluoromethane
 Concen: 56.865 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067661.D
 Acq: 17 Nov 2020 14:37

Tgt Ion:113 Resp: 2893
 Ion Ratio Lower Upper
 113 100
 111 87.0 80.0 120.0
 192 10.4 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: 5.410 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067661.D

Acq: 17 Nov 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

CD-BH-01-2-3

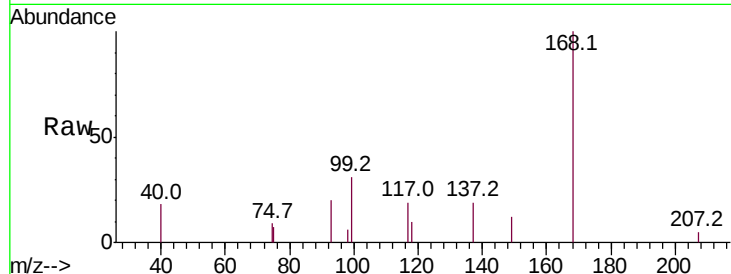
Tot Ion: 75 Resp: 391

Ion Ratio Lower Upper

75 100

110 0.0 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): VDC

Ion 76.90 (76.60 to 77.60): VDC

600

500

400

300

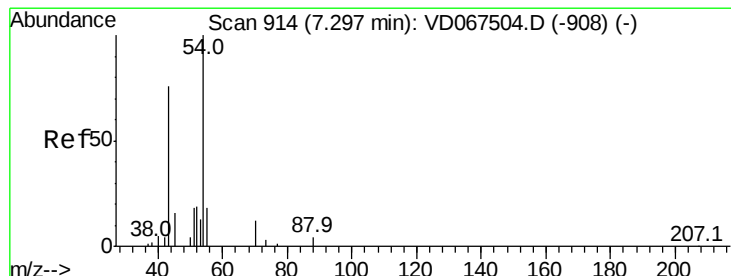
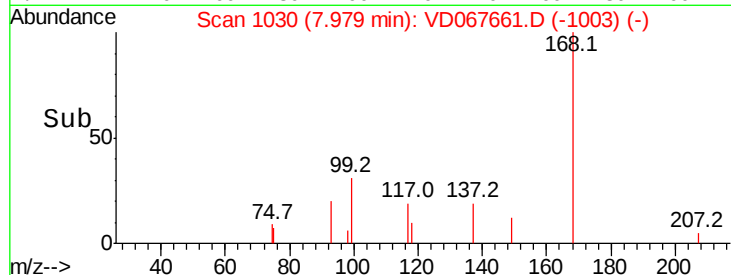
200

100

0

7.94 7.96 7.98 8.00 8.02

Time-->



#37

Ethyl Acetate

Concen: 2.984 ug/l

RT: 7.24 min Scan# 905

Delta R.T. -0.05 min

Lab File: VD067661.D

Acq: 17 Nov 2020 14:37

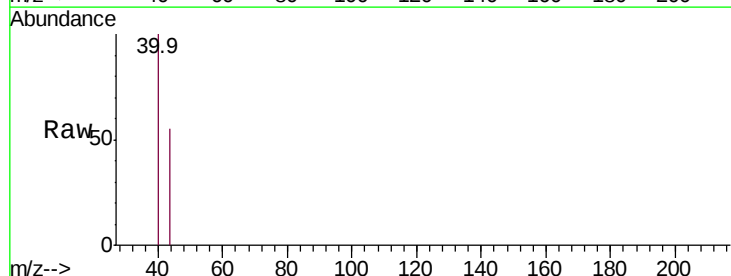
Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

70 0.0 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC

200

150

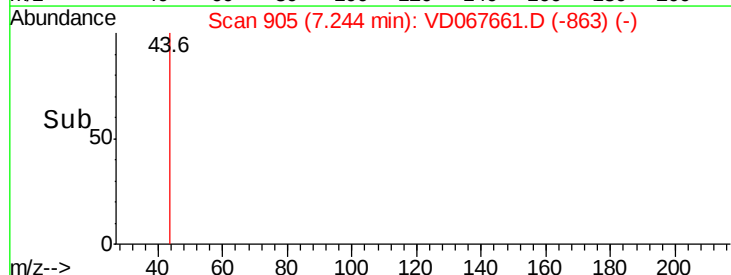
100

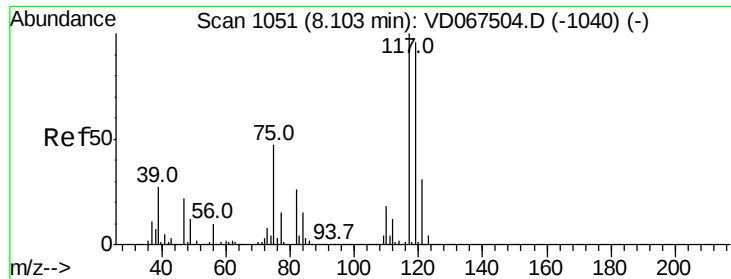
50

0

7.23 7.24 7.25 7.26

Time-->

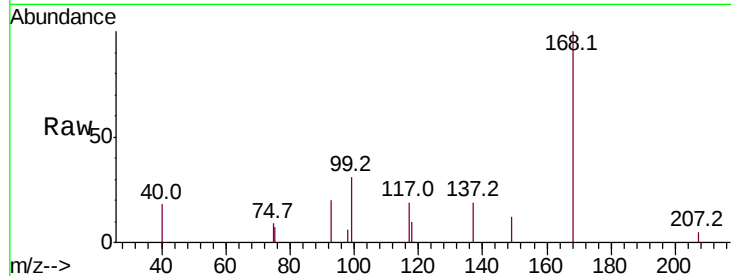




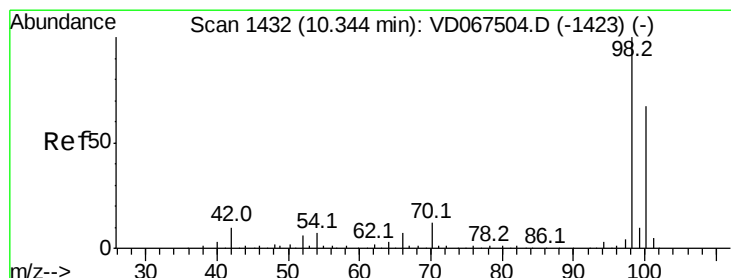
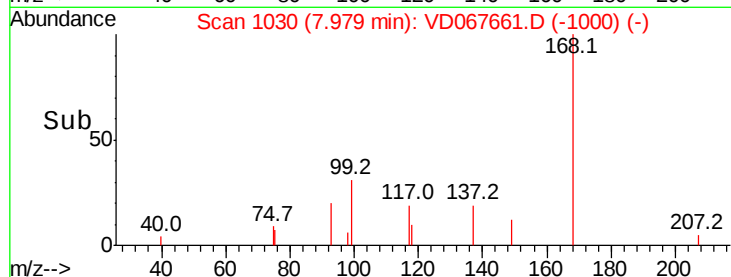
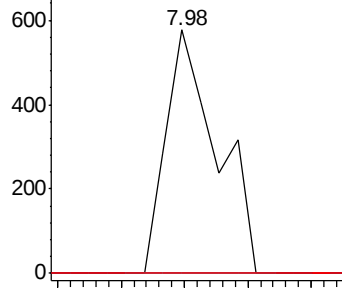
#38
Carbon Tetrachloride
Concen: 6.847 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067661.D
Acq: 17 Nov 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
CD-BH-01-2-3

Tot Ion:117 Resp: 643
Ion Ratio Lower Upper
117 100
119 0.0 76.9 115.3#
121 0.0 24.5 36.7#

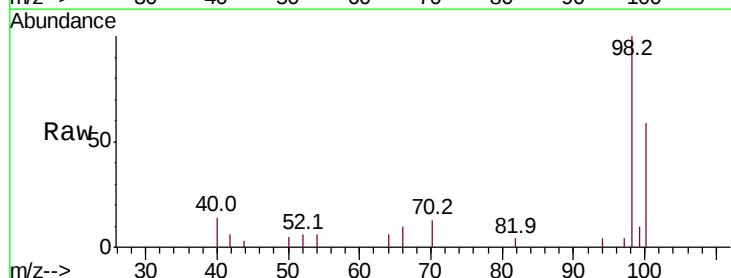


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

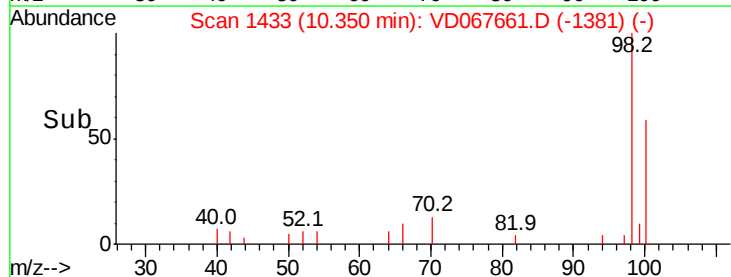
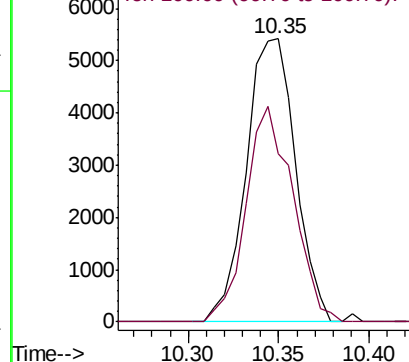


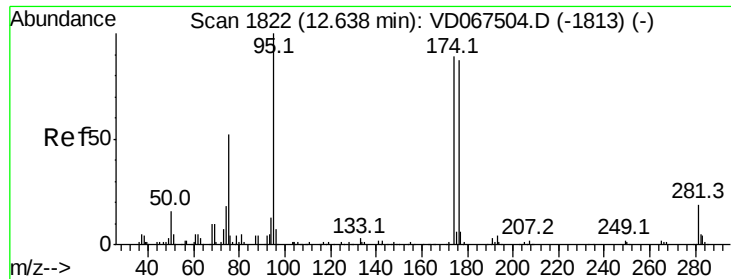
#50
Toluene-d8
Concen: 57.253 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.01 min
Lab File: VD067661.D
Acq: 17 Nov 2020 14:37

Tgt Ion: 98 Resp: 10236
Ion Ratio Lower Upper
98 100
100 72.4 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: 58.679 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067661.D

Acq: 17 Nov 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

CD-BH-01-2-3

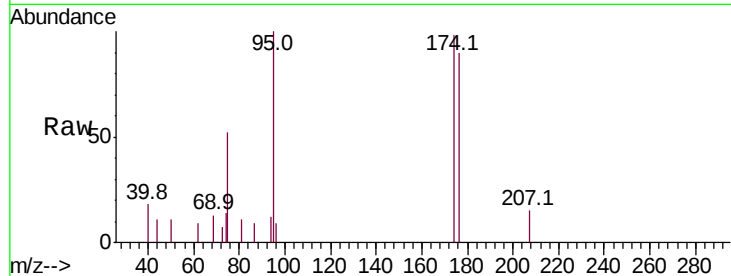
Tot Ion: 95 Resp: 3622

Ion Ratio Lower Upper

95 100

174 108.6 0.0 177.8

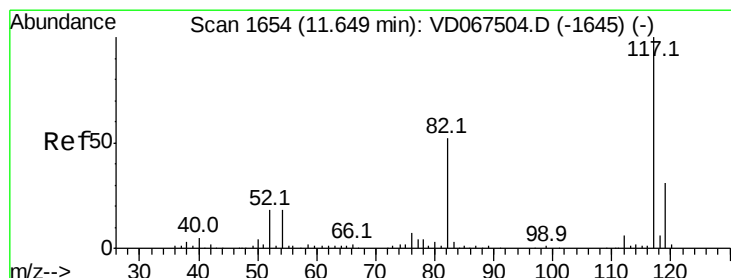
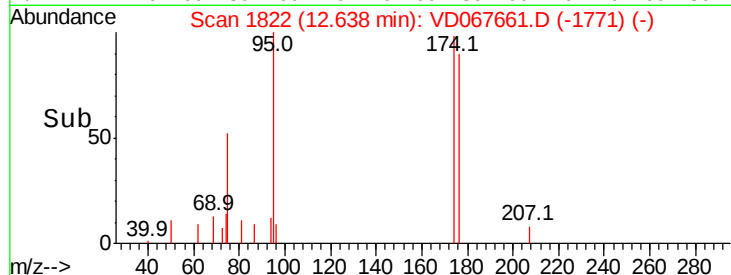
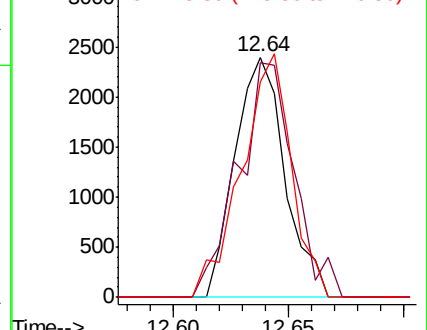
176 101.3 0.0 172.0



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: 11.66 min Scan# 1655

Delta R.T. 0.01 min

Lab File: VD067661.D

Acq: 17 Nov 2020 14:37

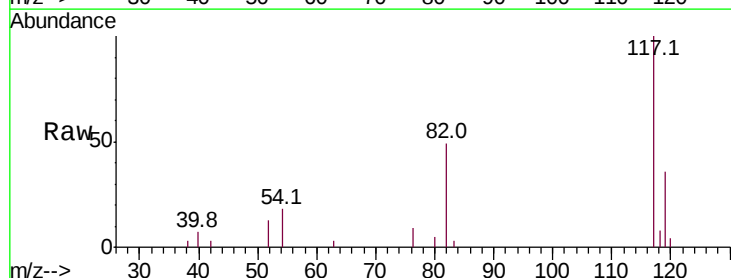
Tgt Ion: 117 Resp: 9696

Ion Ratio Lower Upper

117 100

82 49.0 41.6 62.4

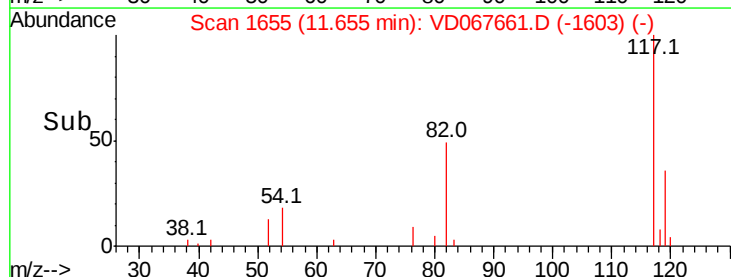
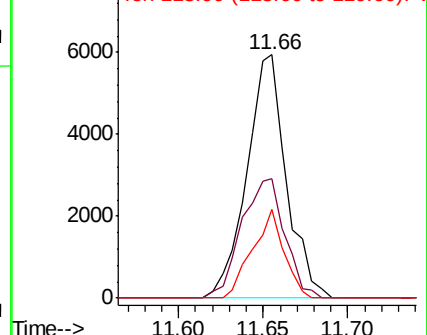
119 36.5 25.1 37.7

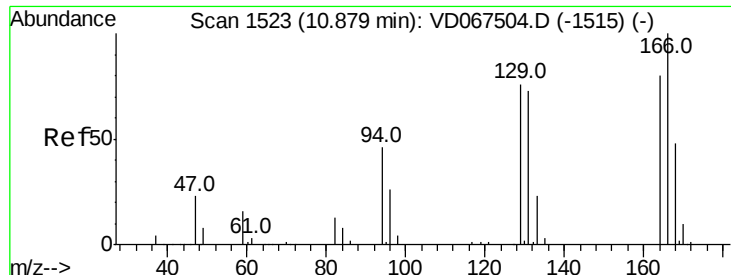


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 1.629 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. 0.00 min

Lab File: VD067661.D

Acq: 17 Nov 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

CD-BH-01-2-3

Tot Ion:164 Resp: 117

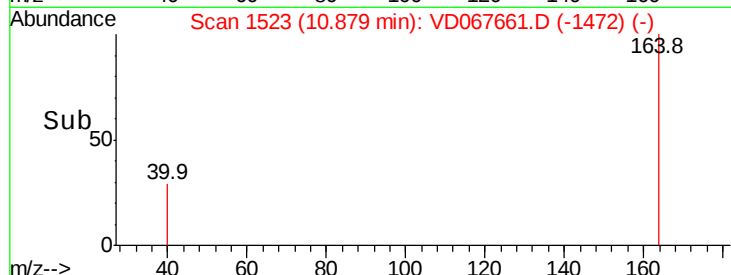
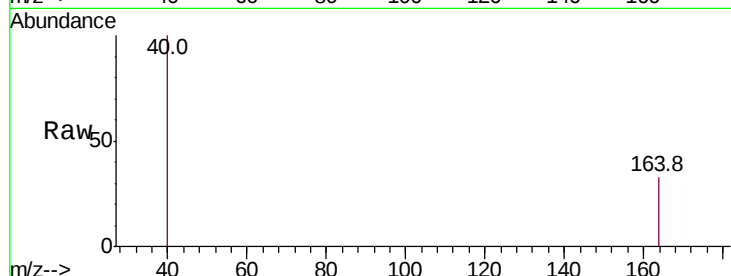
Ion Ratio Lower Upper

164 100

166 0.0 99.9 149.9#

129 0.0 75.5 113.3#

131 0.0 73.4 110.0#

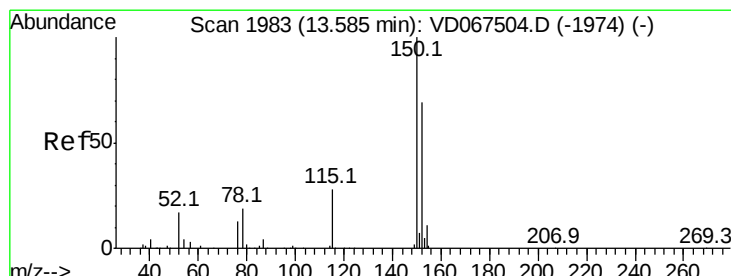
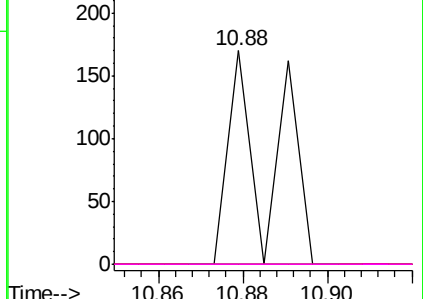


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067661.D

Acq: 17 Nov 2020 14:37

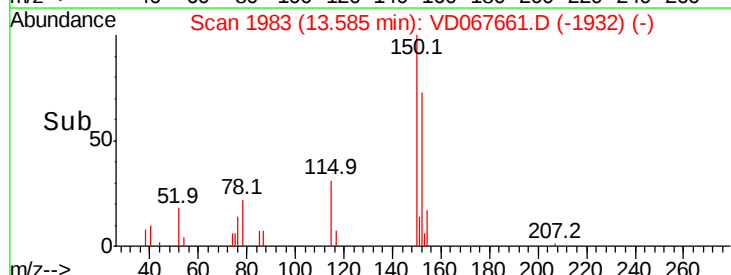
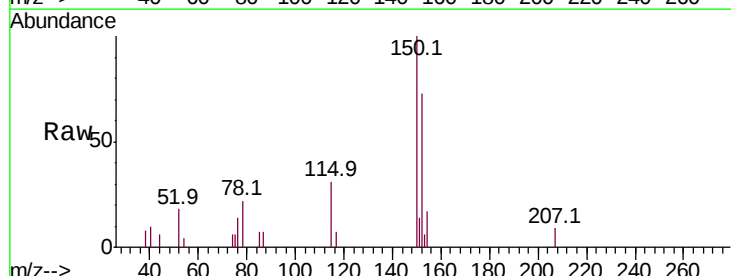
Tgt Ion:152 Resp: 4385

Ion Ratio Lower Upper

152 100

115 57.4 29.3 88.0

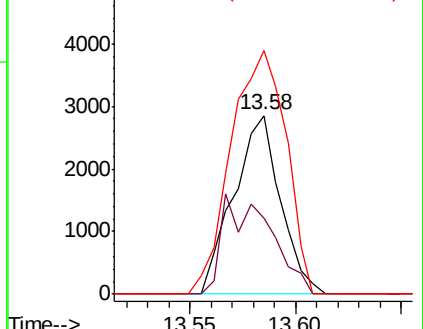
150 160.3 0.0 338.2

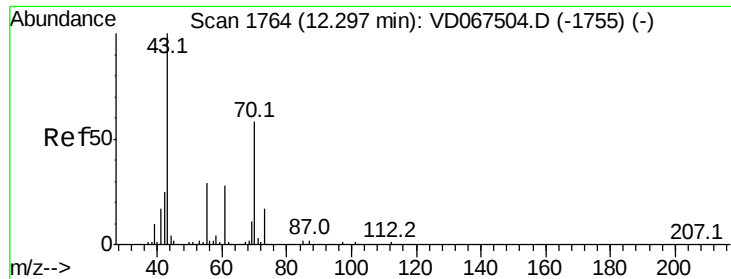


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 2.172 ug/l

RT: 12.30 min Scan# 1765

Delta R.T. 0.01 min

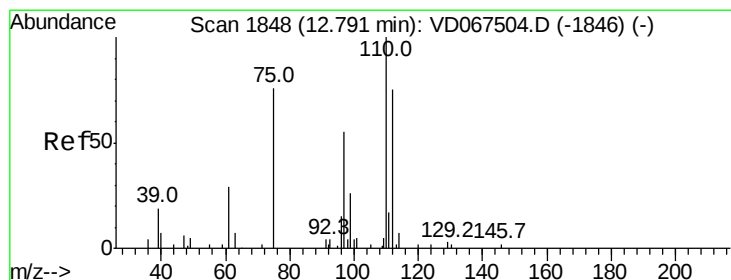
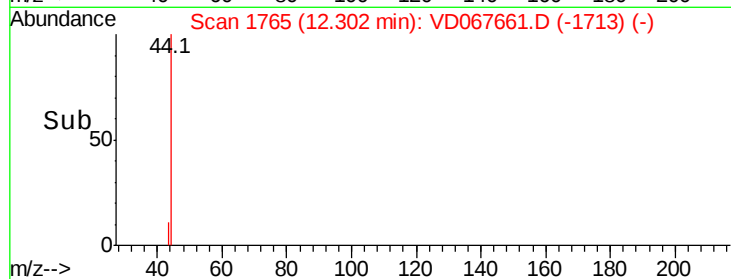
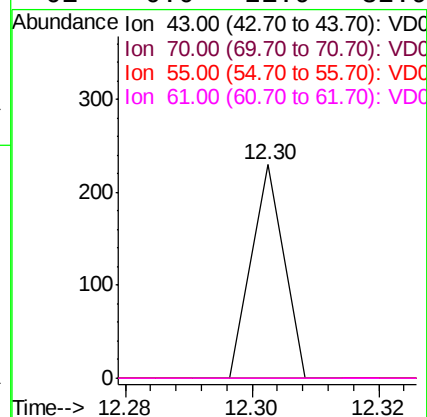
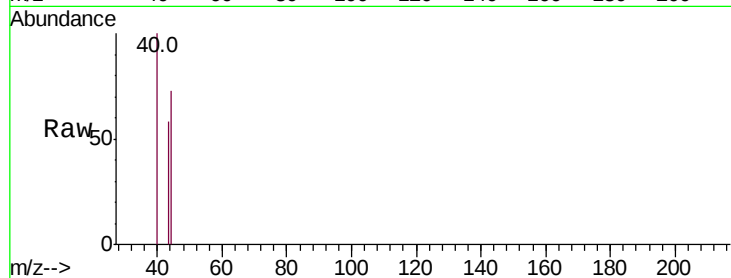
Lab File: VD067661.D

Acq: 17 Nov 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
CD-BH-01-2-3

Tot Ion: 43 Resp: 81

Ion	Ratio	Lower	Upper
43	100		
70	0.0	42.6	64.0#
55	0.0	23.7	35.5#
61	0.0	21.9	32.9#



#76

1,2,3-Trichloropropane

Concen: 72.469 ug/l

RT: 12.64 min Scan# 1822

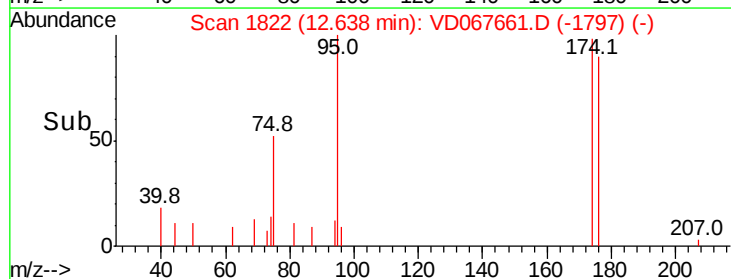
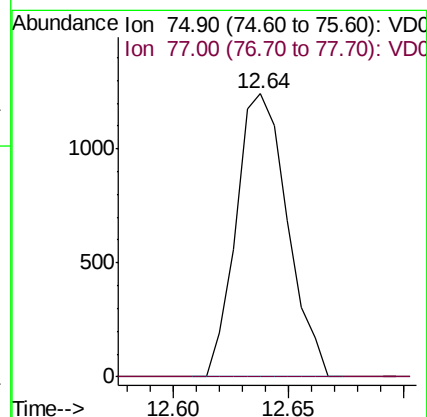
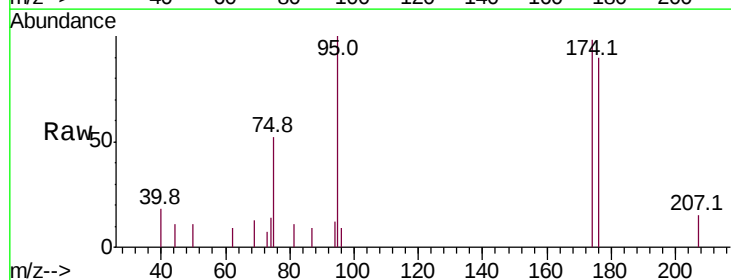
Delta R.T. -0.15 min

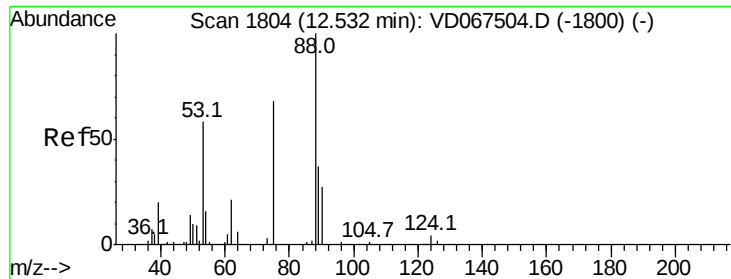
Lab File: VD067661.D

Acq: 17 Nov 2020 14:37

Tgt Ion: 75 Resp: 1917

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#81

trans-1,4-Dichloro-2-butene

Concen: 147.131 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067661.D

Acq: 17 Nov 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

CD-BH-01-2-3

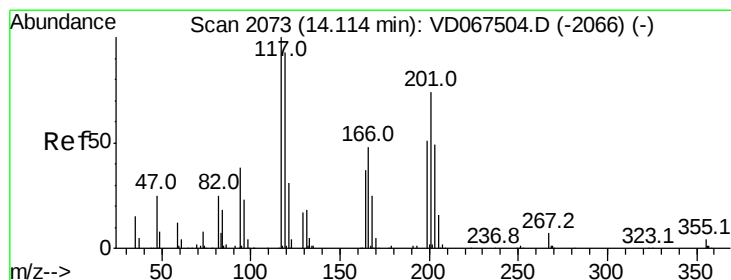
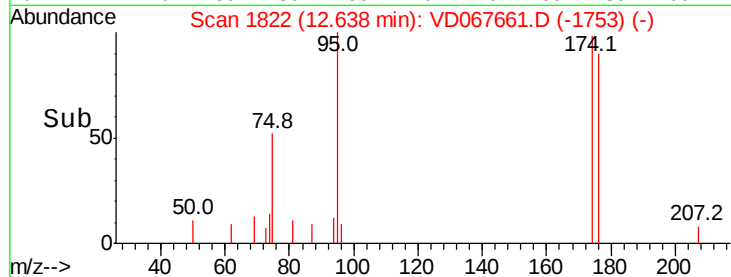
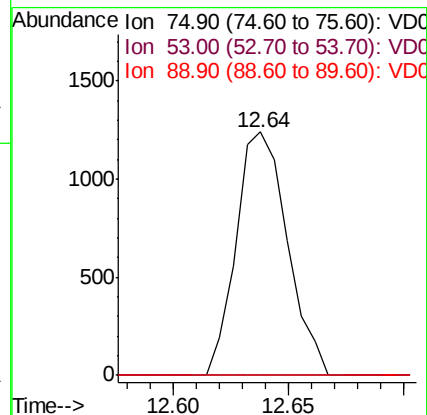
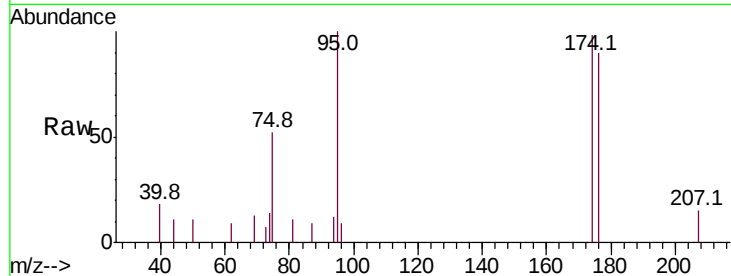
Tot Ion: 75 Resp: 1917

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.0 44.6 67.0#



#90

Hexachloroethane

Concen: 1.112 ug/l

RT: 14.17 min Scan# 2082

Delta R.T. 0.05 min

Lab File: VD067661.D

Acq: 17 Nov 2020 14:37

Tgt Ion: 117 Resp: 56

Ion Ratio Lower Upper

117 100

201 0.0 40.7 122.1#

