

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111820\
 Data File : VD067688.D
 Acq On : 18 Nov 2020 16:19
 Operator : VA/SY
 Sample : L4771-08RE
 Misc : 4.67G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CD-BH-02-0-1

Quant Time: Nov 19 00:27:55 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	274918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	421361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	450721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	225134	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	119705	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	7.92	113	128595	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
50) Toluene-d8	10.34	98	508344	56.98	ug/l	0.00
Spiked Amount			Recovery	=	113.96%	
62) 4-Bromofluorobenzene	12.64	95	192489	62.49	ug/l	0.00
Spiked Amount			Recovery	=	124.98%	

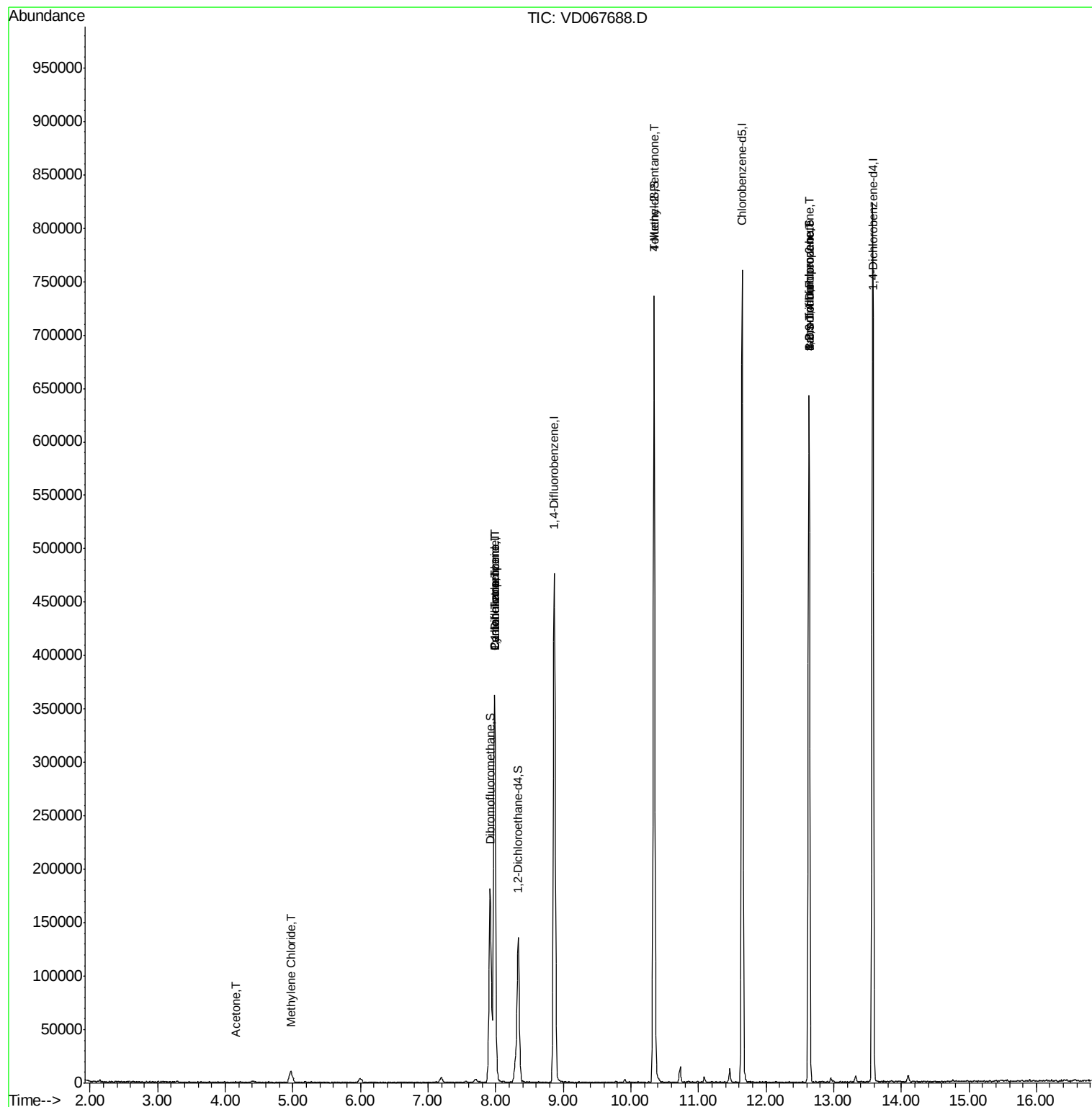
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	287	Below Cal	#	44
11) Tert butyl alcohol	5.23	59	147	Below Cal	#	79
16) Acetone	4.16	43	435	1.209	ug/l #	43
20) Methylene Chloride	4.97	84	9410	3.703	ug/l #	76
31) Cyclohexane	7.98	56	4714	1.352	ug/l #	17
36) 1,1-Dichloropropene	7.98	75	19094	5.294	ug/l #	49
38) Carbon Tetrachloride	7.98	117	28805	6.147	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	1623	1.833	ug/l #	1
71) Bromoform	12.63	173	2081	1.192	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	104680	77.076	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	104680	156.485	ug/l #	10

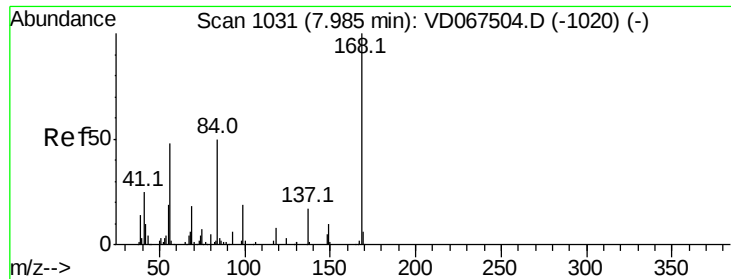
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067688.D

Acq: 18 Nov 2020 16:19

Instrument :

MSVOA_D

ClientSampleId :

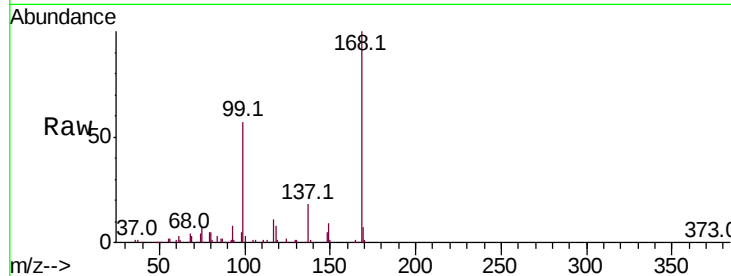
CD-BH-02-0-1

Tot Ion:168 Resp: 274918

Ion Ratio Lower Upper

168 100

99 56.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

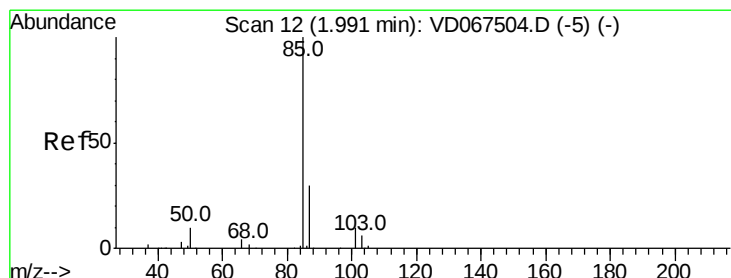
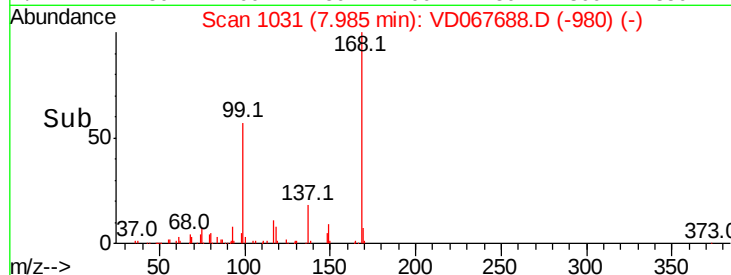
7.98

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067688.D

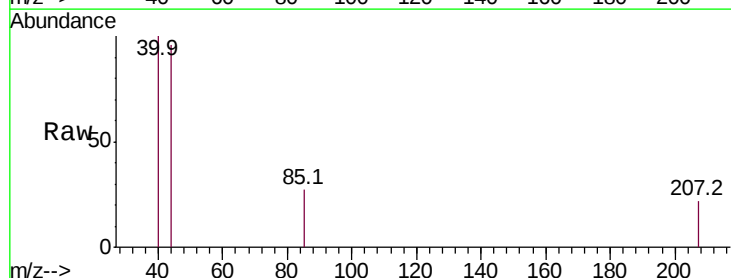
Acq: 18 Nov 2020 16:19

Tgt Ion: 85 Resp: 287

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

1.99

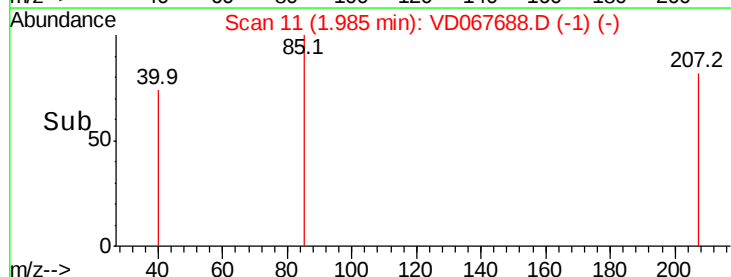
300

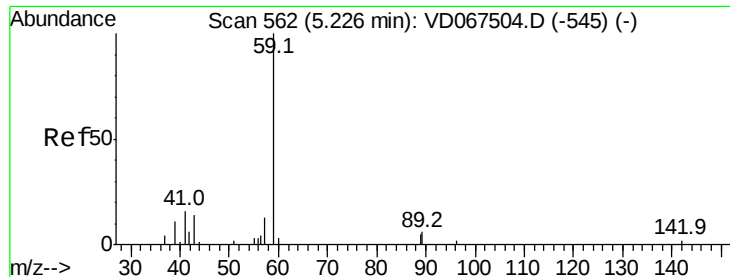
200

100

0

Time-->



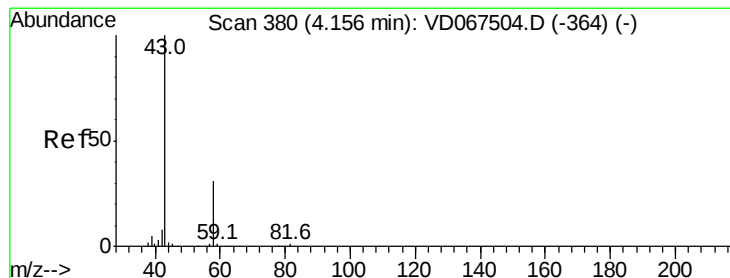
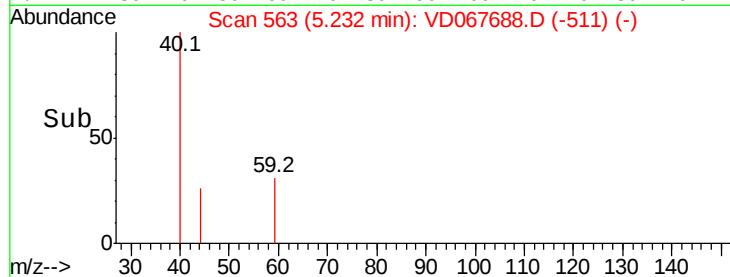
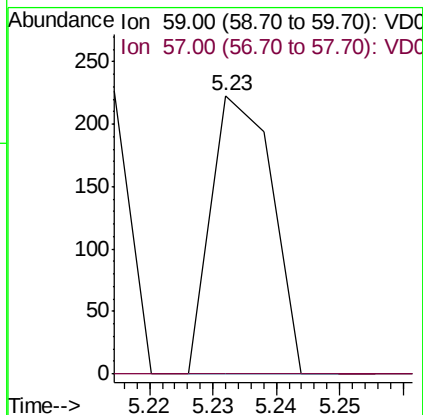
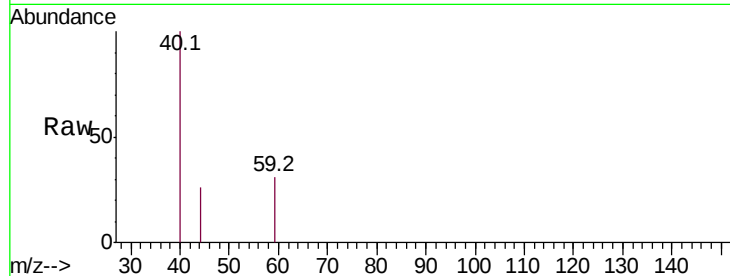


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VD067688.D
 Acq: 18 Nov 2020 16:19

Instrument :
 MSVOA_D
 ClientSampleId :
 CD-BH-02-0-1

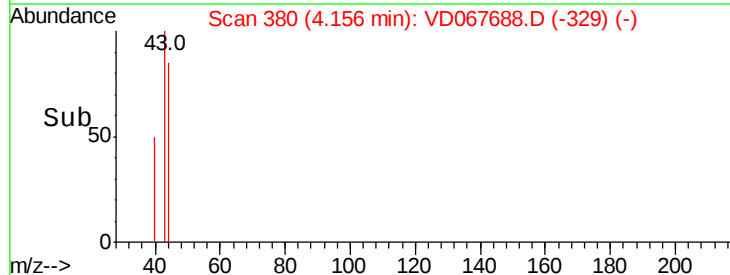
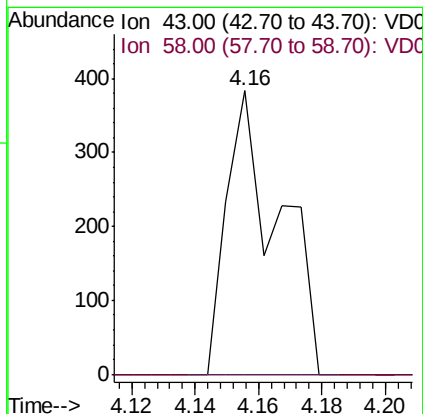
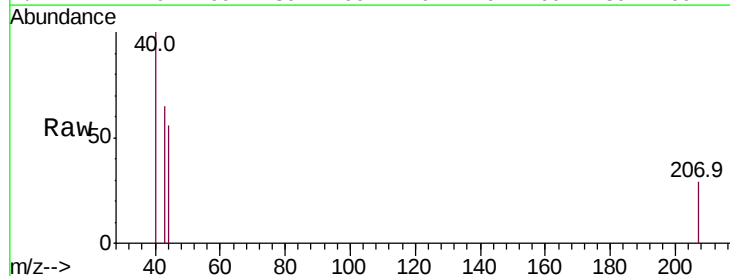
Tot Ion: 59 Resp: 147
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

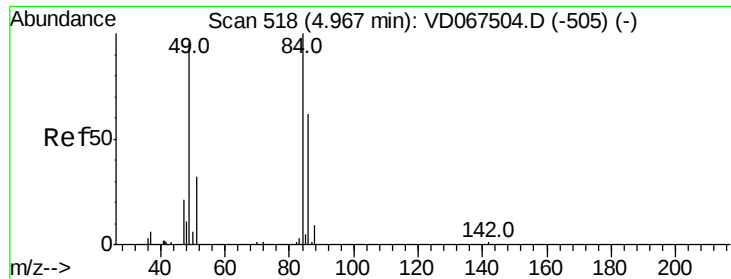


#16

Acetone
 Concen: 1.209 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD067688.D
 Acq: 18 Nov 2020 16:19

Tgt Ion: 43 Resp: 435
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.2 37.8#





#20

Methylene Chloride

Concen: 3.703 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067688.D

Acq: 18 Nov 2020 16:19

Instrument :

MSVOA_D

ClientSampleId :

CD-BH-02-0-1

Tot Ion: 84 Resp: 9410

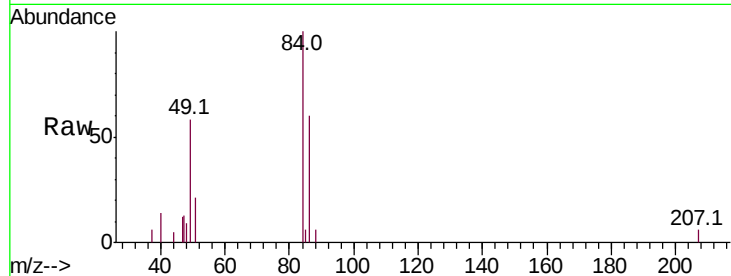
Ion Ratio Lower Upper

84 100

49 58.0 77.0 115.4#

51 20.6 25.4 38.2#

86 59.9 49.4 74.0

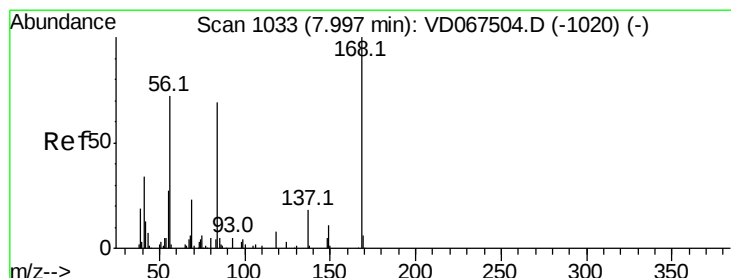
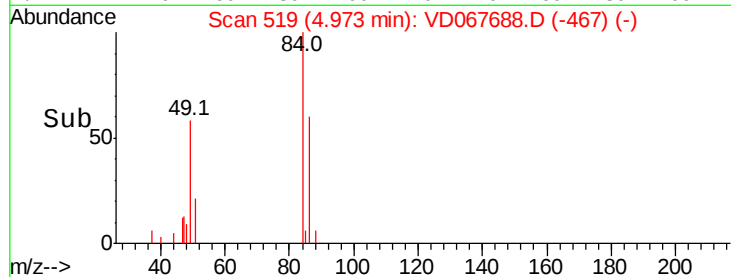
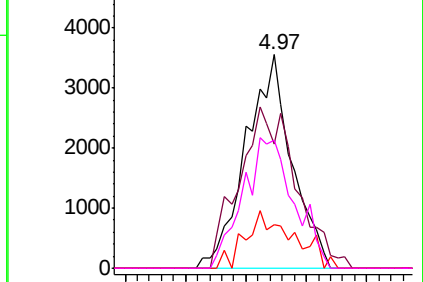


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.352 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067688.D

Acq: 18 Nov 2020 16:19

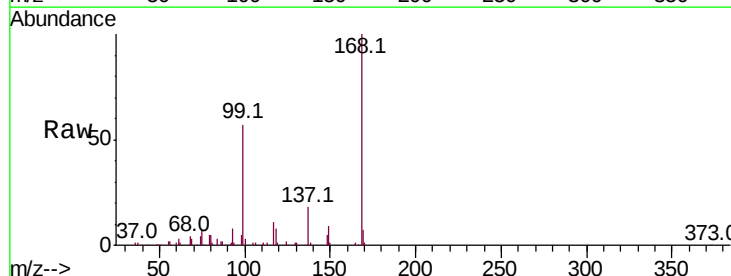
Tgt Ion: 56 Resp: 4714

Ion Ratio Lower Upper

56 100

69 153.8 25.9 38.9#

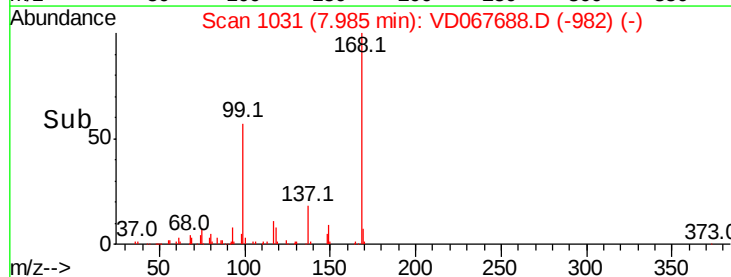
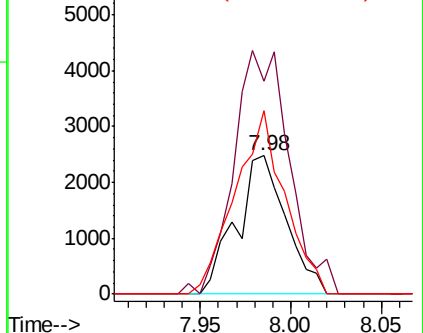
84 132.0 76.2 114.4#

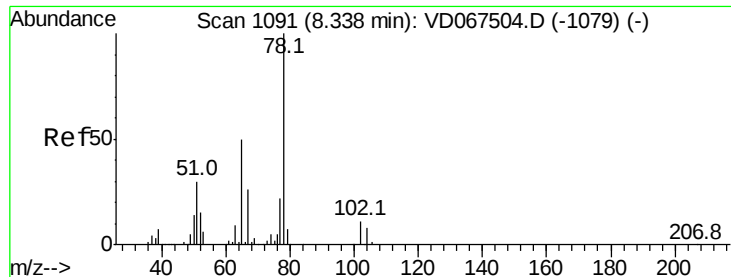


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.797 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

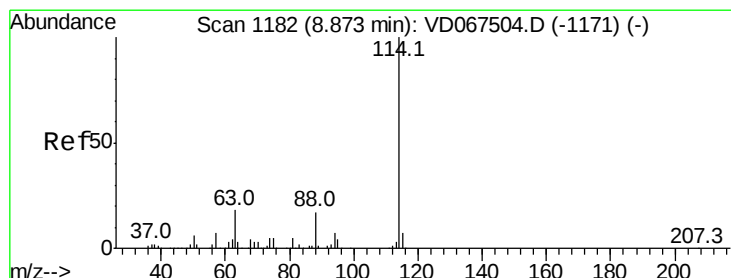
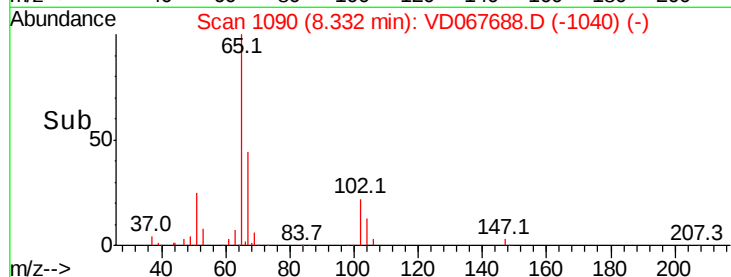
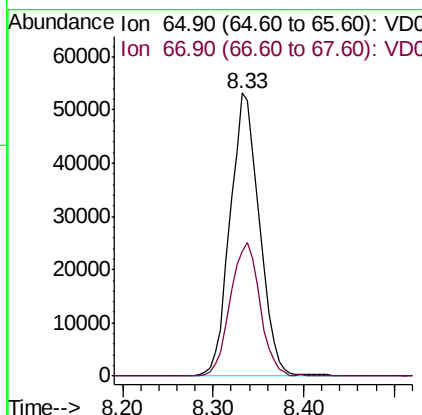
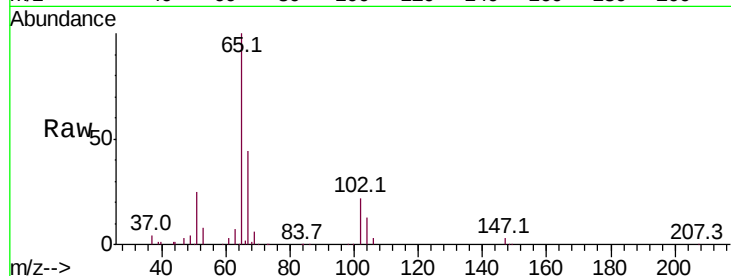
Lab File: VD067688.D

Acq: 18 Nov 2020 16:19

Instrument :
MSVOA_D
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CD-BH-02-0-1

Tot Ion: 65 Resp: 119705

Ion	Ratio	Lower	Upper
65	100		
67	47.8	0.0	99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

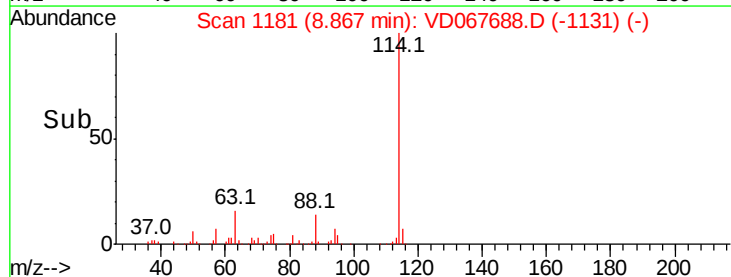
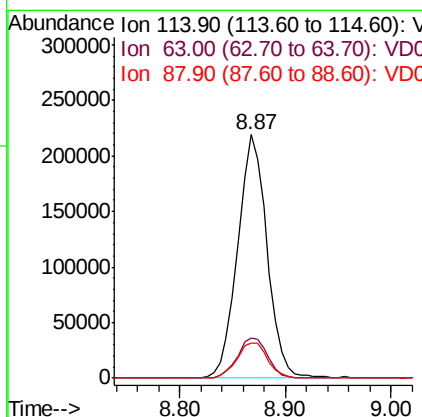
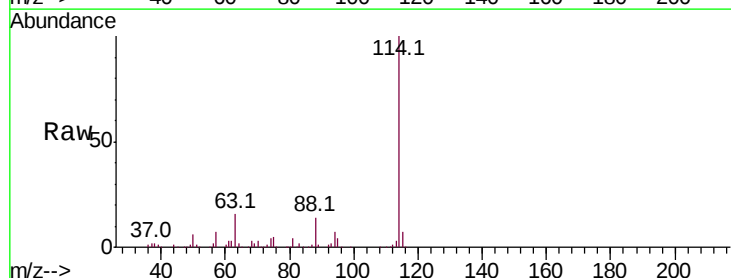
Delta R.T. -0.01 min

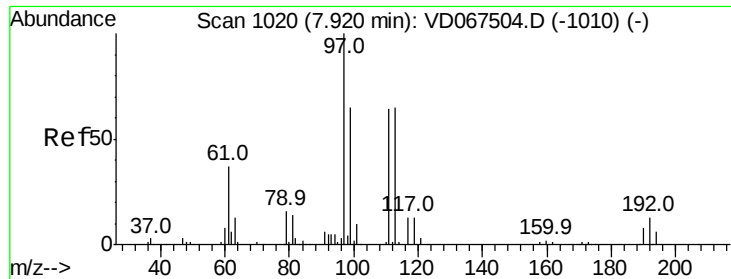
Lab File: VD067688.D

Acq: 18 Nov 2020 16:19

Tgt Ion: 114 Resp: 421361

Ion	Ratio	Lower	Upper
114	100		
63	16.2	0.0	35.0
88	14.3	0.0	33.0

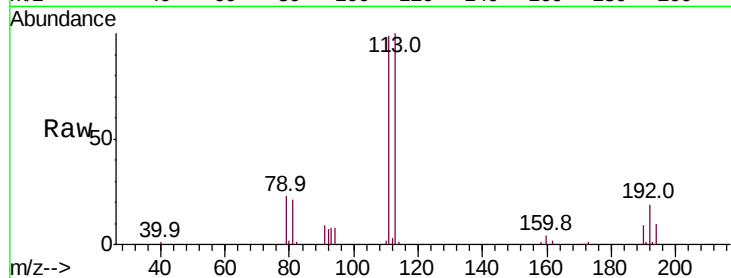




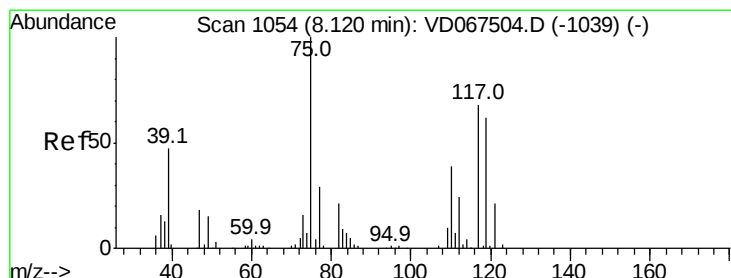
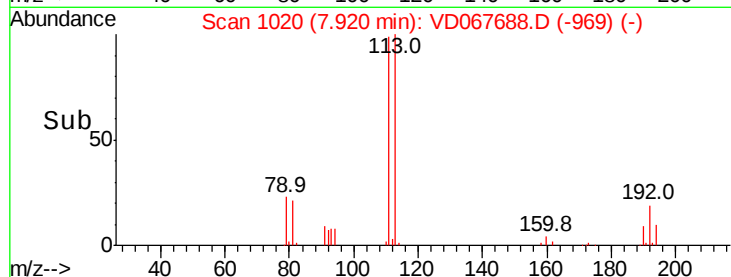
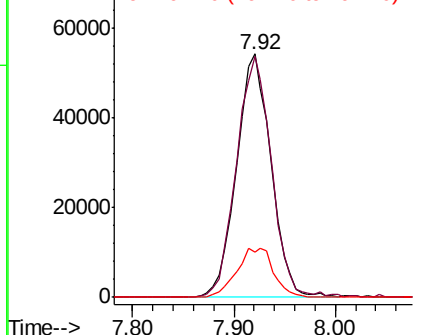
#35
 Dibromofluoromethane
 Concen: 50.654 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067688.D
 Acq: 18 Nov 2020 16:19

Instrument :
 MSVOA_D
 ClientSampleId :
 CD-BH-02-0-1

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	80.0	120.0
192	21.3	16.3	24.5

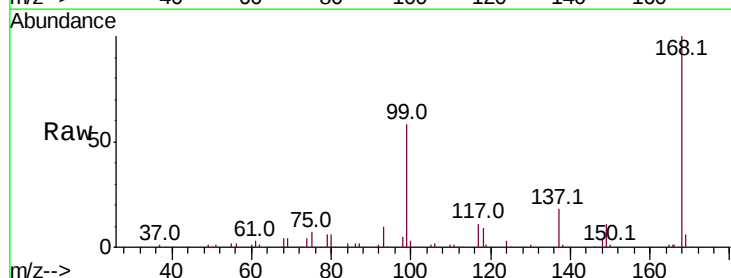


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

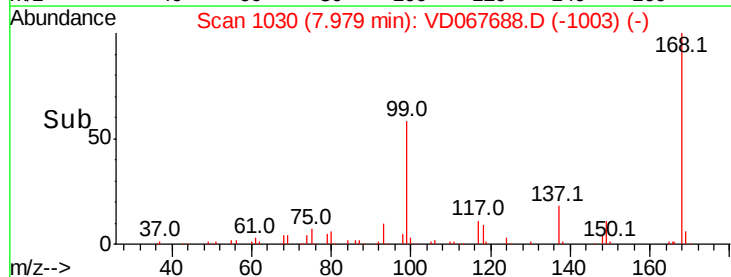
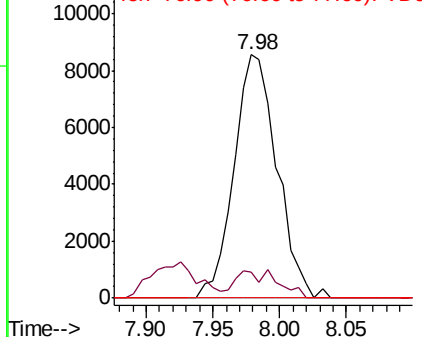


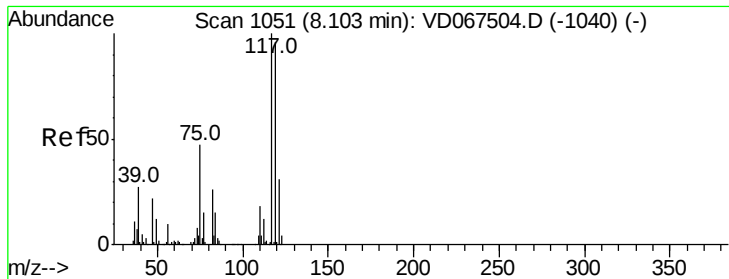
#36
 1,1-Dichloropropene
 Concen: 5.294 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067688.D
 Acq: 18 Nov 2020 16:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	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: 6.147 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067688.D

Acq: 18 Nov 2020 16:19

Instrument :

MSVOA_D

ClientSampleId :

CD-BH-02-0-1

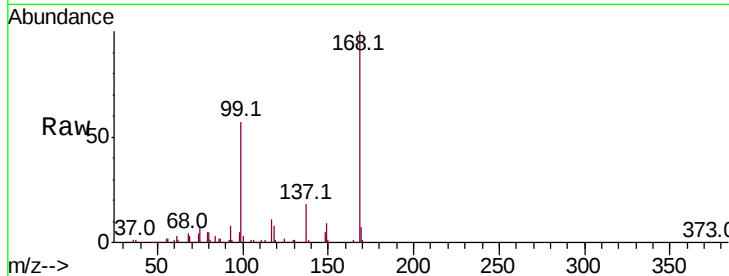
Tot Ion:117 Resp: 28805

Ion Ratio Lower Upper

117 100

119 5.8 76.9 115.3#

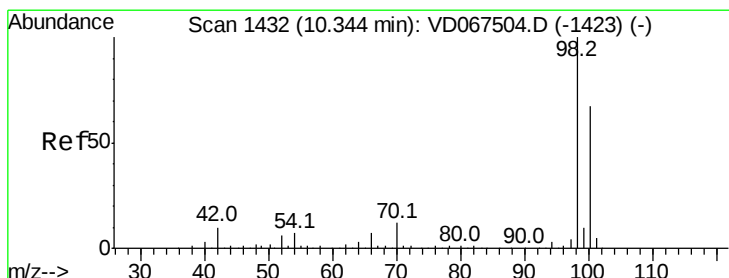
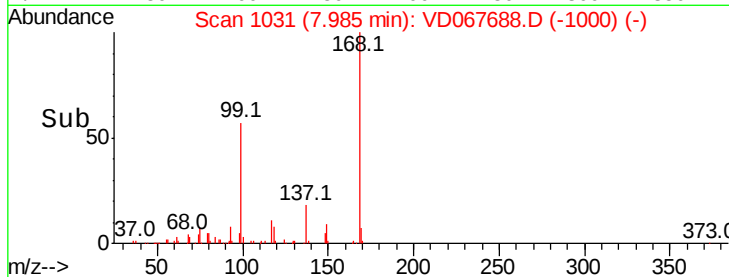
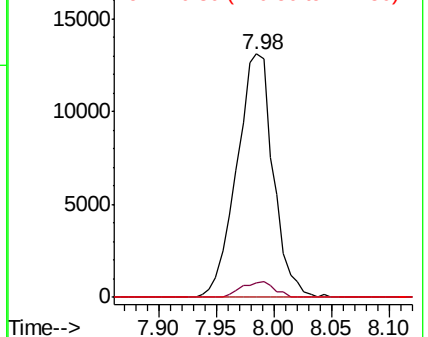
121 0.0 24.5 36.7#



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: 56.979 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067688.D

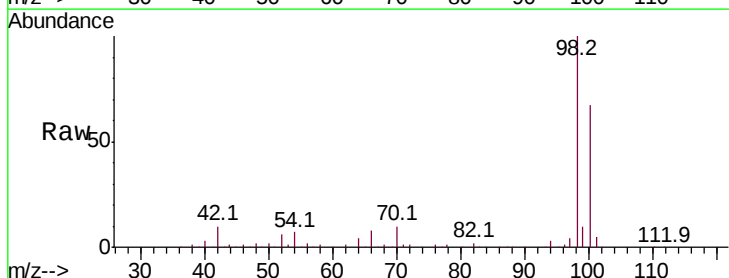
Acq: 18 Nov 2020 16:19

Tgt Ion: 98 Resp: 508344

Ion Ratio Lower Upper

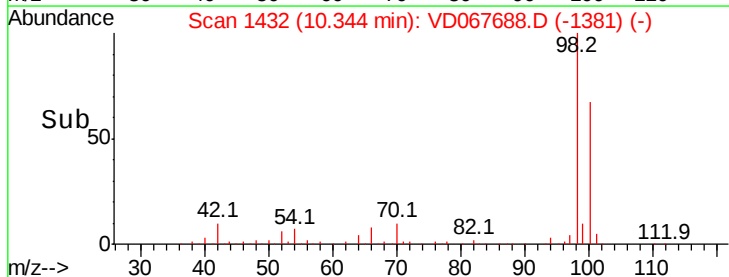
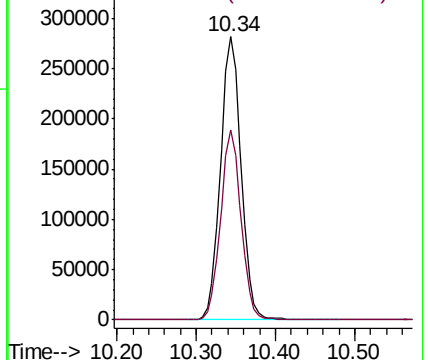
98 100

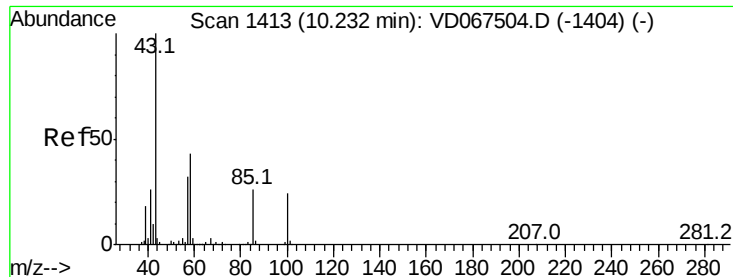
100 66.0 53.0 79.6



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: 1.833 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067688.D

Acq: 18 Nov 2020 16:19

Instrument :

MSVOA_D

ClientSampleId :

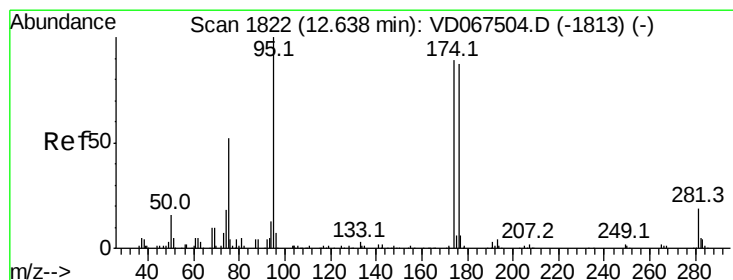
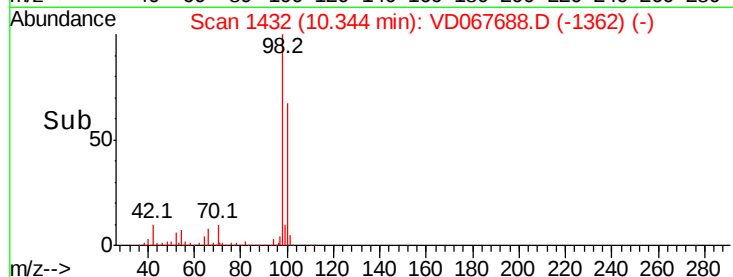
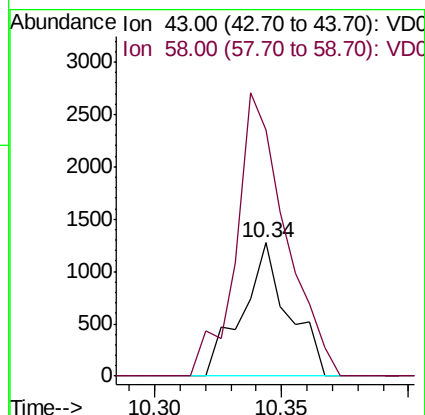
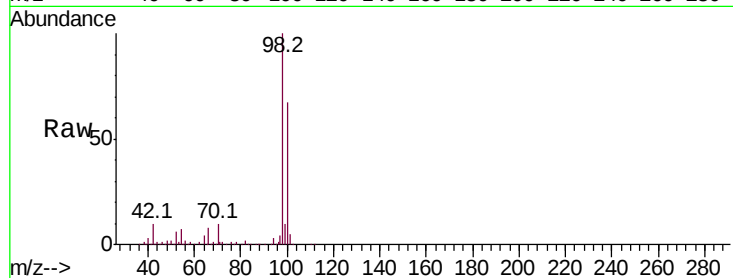
CD-BH-02-0-1

Tot Ion: 43 Resp: 1623

Ion Ratio Lower Upper

43 100

58 226.8 35.6 53.4#



#62

4-Bromofluorobenzene

Concen: 62.494 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067688.D

Acq: 18 Nov 2020 16:19

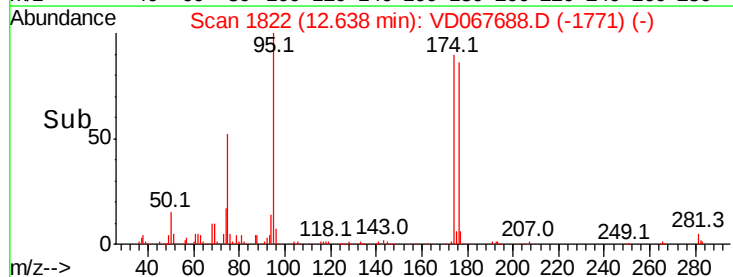
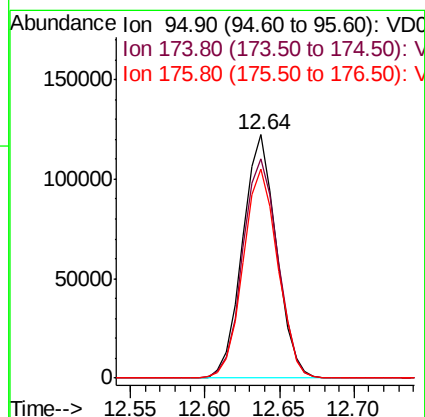
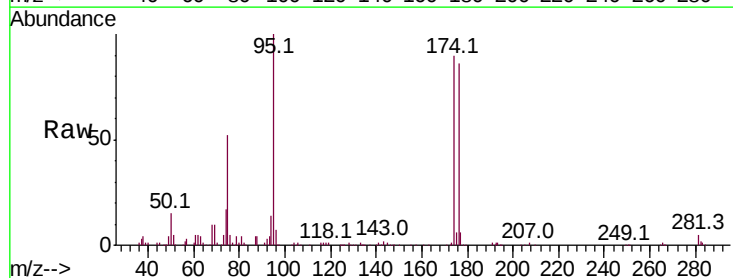
Tgt Ion: 95 Resp: 192489

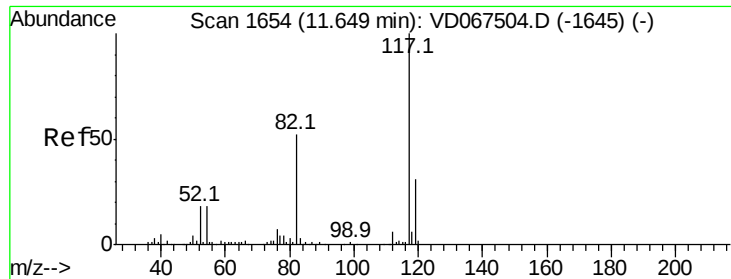
Ion Ratio Lower Upper

95 100

174 93.5 0.0 177.8

176 87.5 0.0 172.0

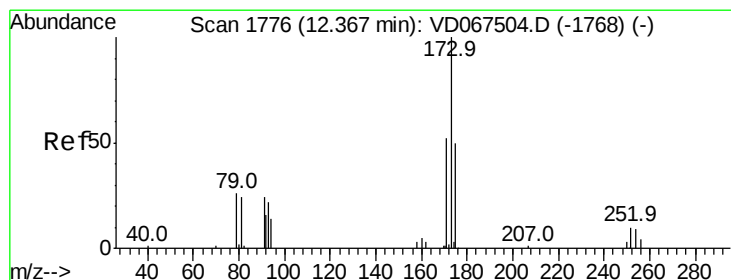
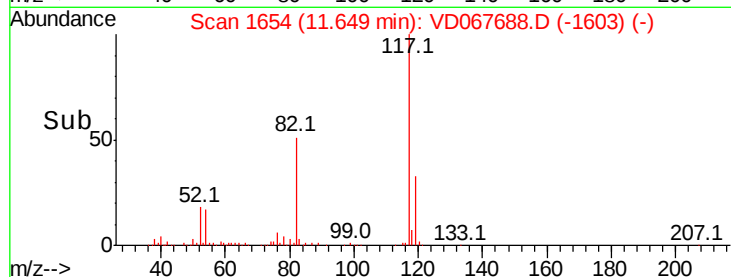
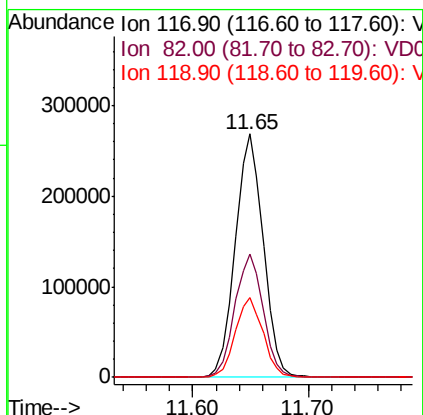
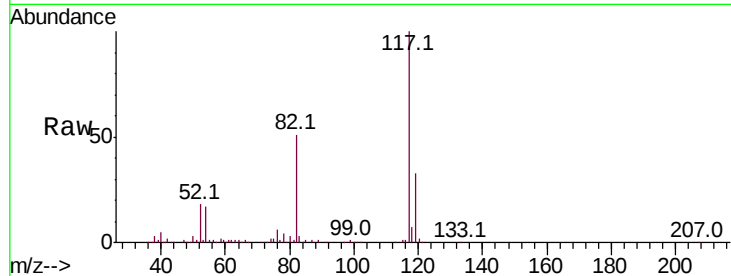




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067688.D
Acq: 18 Nov 2020 16:19

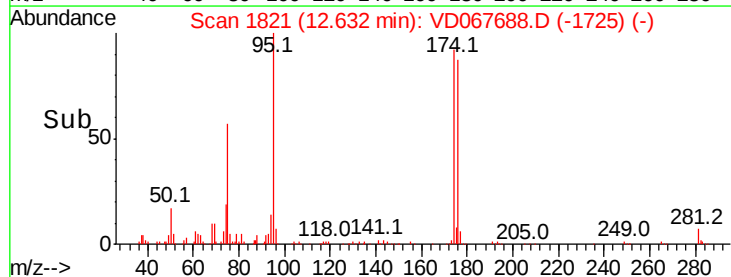
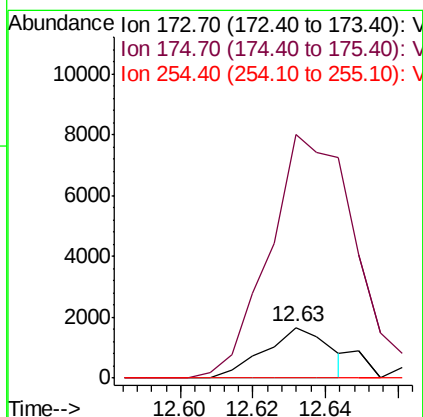
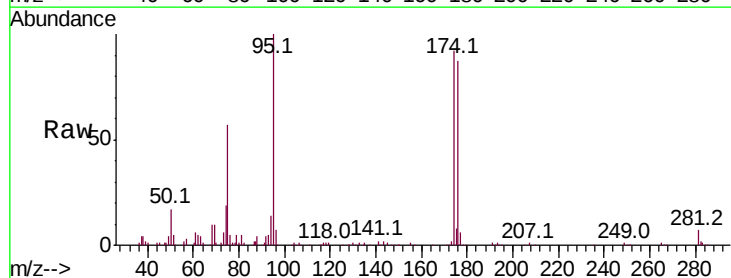
Instrument :
MSVOA_D
ClientSampleId :
CD-BH-02-0-1

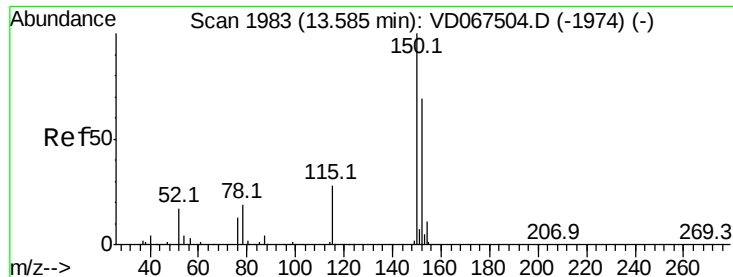
Tot Ion:117 Resp: 450721
Ion Ratio Lower Upper
117 100
82 50.7 41.6 62.4
119 32.8 25.1 37.7



#71
Bromoform
Concen: 1.192 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.26 min
Lab File: VD067688.D
Acq: 18 Nov 2020 16:19

Tgt Ion:173 Resp: 2081
Ion Ratio Lower Upper
173 100
175 523.3 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067688.D

Acq: 18 Nov 2020 16:19

Instrument :

MSVOA_D

ClientSampleId :

CD-BH-02-0-1

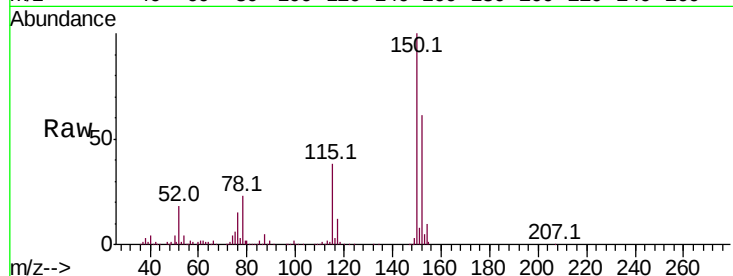
Tot Ion:152 Resp: 225134

Ion Ratio Lower Upper

152 100

115 59.5 29.3 88.0

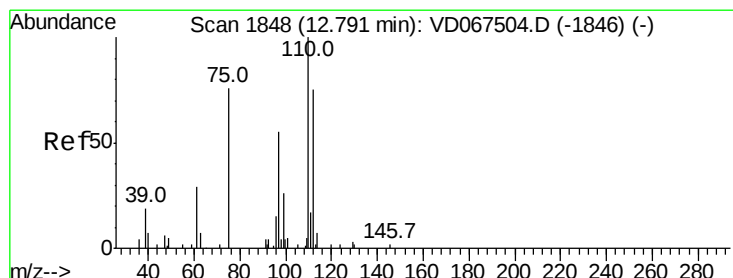
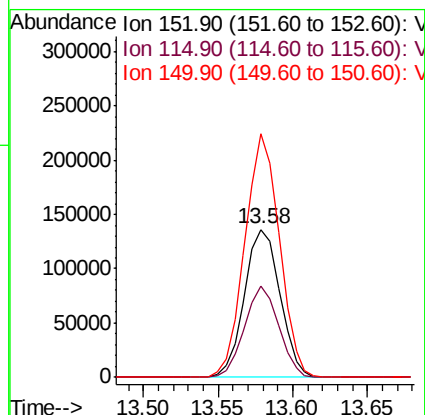
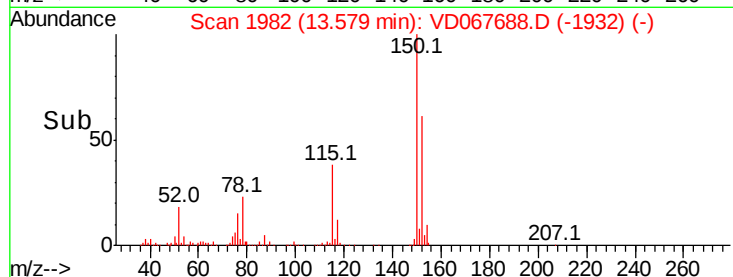
150 159.7 0.0 338.2



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: 77.076 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067688.D

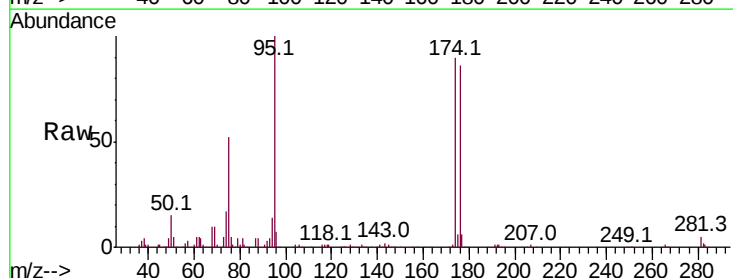
Acq: 18 Nov 2020 16:19

Tgt Ion: 75 Resp: 104680

Ion Ratio Lower Upper

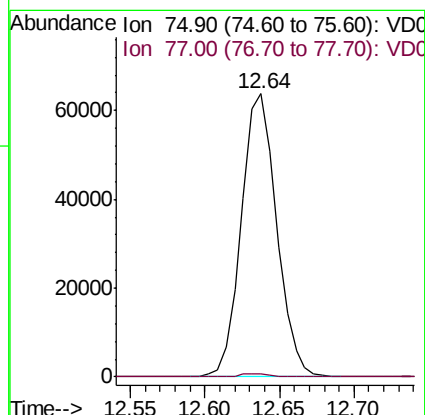
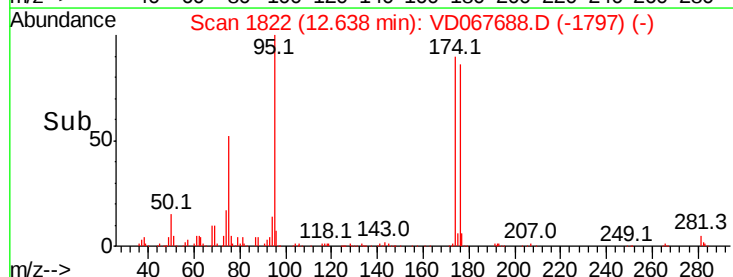
75 100

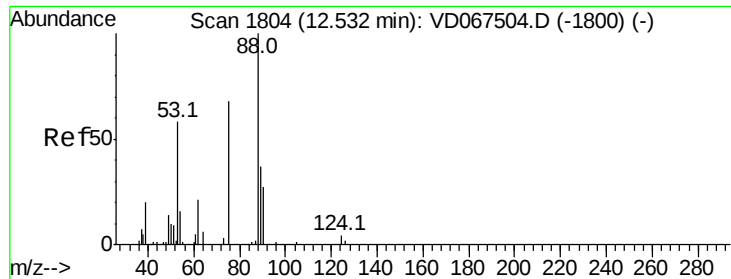
77 1.0 0.0 0.0#



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: 156.485 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067688.D

Acq: 18 Nov 2020 16:19

Instrument :

MSVOA_D

ClientSampleId :

CD-BH-02-0-1

Tot Ion: 75 Resp: 104680

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.1 44.6 67.0#

