

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111720\
 Data File : VD067660.D
 Acq On : 17 Nov 2020 14:10
 Operator : VA/SY
 Sample : L4771-02
 Misc : 4.58G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CD-BH-01-0-1

Quant Time: Nov 17 23:58:18 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	256973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	425657	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	429966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	191049	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	121062	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	
35) Dibromofluoromethane	7.92	113	130339	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
50) Toluene-d8	10.34	98	497953	55.25	ug/l	0.00
Spiked Amount			Recovery	=	110.50%	
62) 4-Bromofluorobenzene	12.64	95	176972	56.88	ug/l	0.00
Spiked Amount			Recovery	=	113.76%	

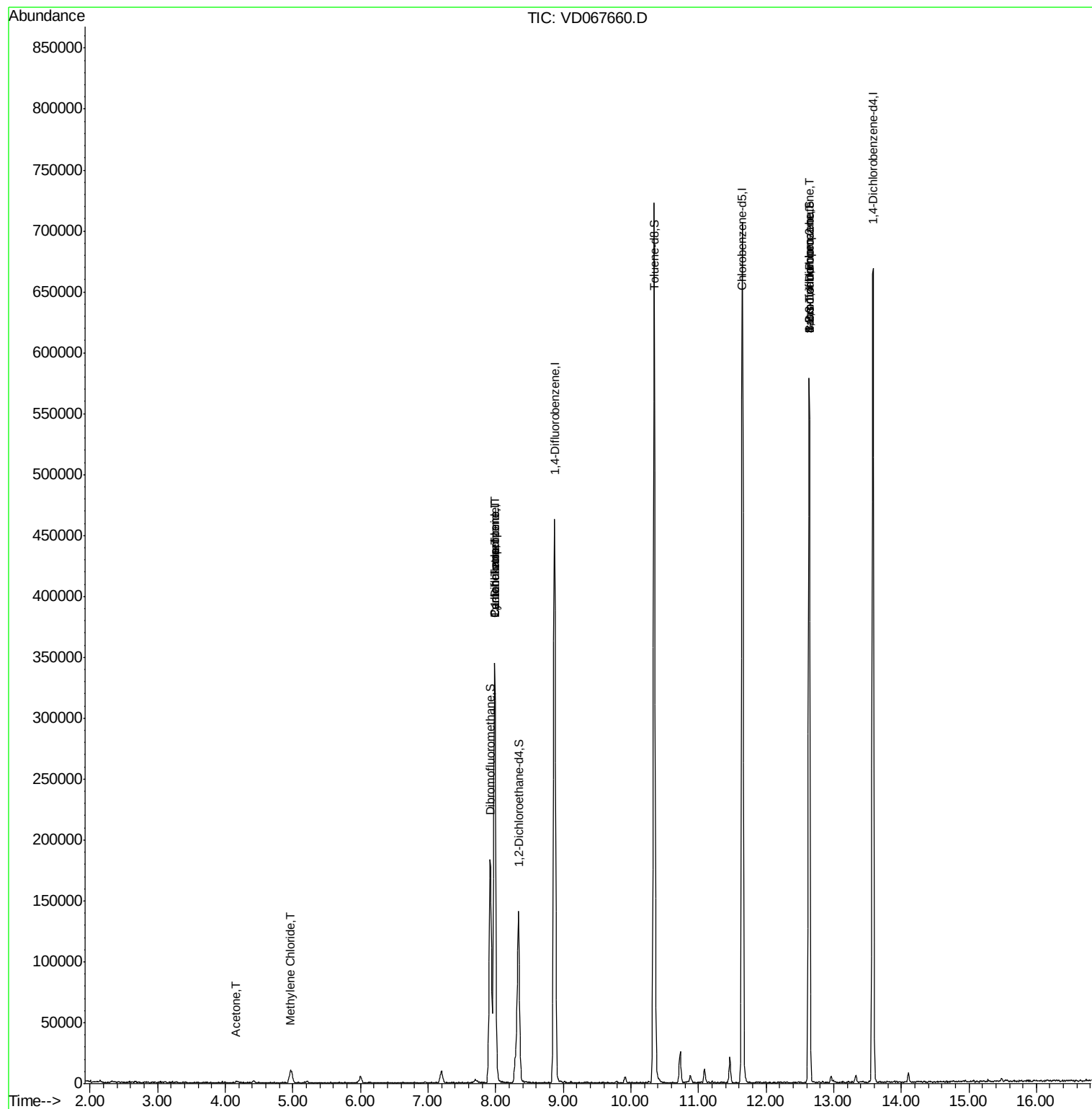
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	290	Below Cal	#	44
11) Tert butyl alcohol	5.17	59	202	Below Cal	#	79
16) Acetone	4.16	43	1317	3.917	ug/l	98
20) Methylene Chloride	4.97	84	9189	3.869	ug/l	91
31) Cyclohexane	7.98	56	4994	1.532	ug/l #	42
36) 1,1-Dichloropropene	7.98	75	17998	4.940	ug/l #	49
38) Carbon Tetrachloride	7.98	117	26854	5.673	ug/l #	16
71) Bromoform	12.64	173	1884	1.132	ug/l #	29
76) 1,2,3-Trichloropropane	12.64	75	91227	79.155	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	91227	160.705	ug/l #	10

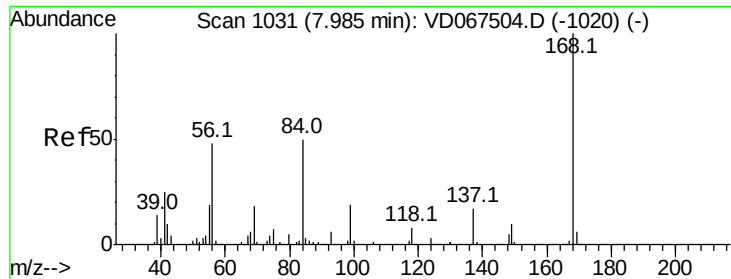
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1031

Delta R.T. -0.00 min

Lab File: VD067660.D

Acq: 17 Nov 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

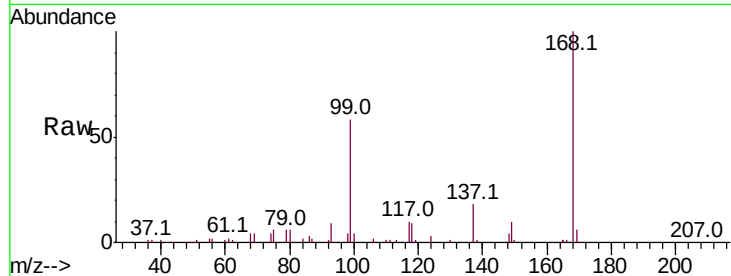
CD-BH-01-0-1

Tot Ion:168 Resp: 256973

Ion Ratio Lower Upper

168 100

99 58.2 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

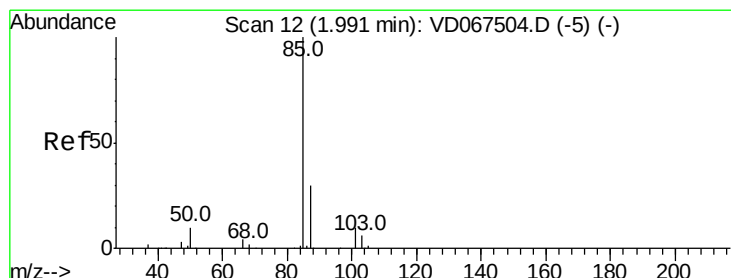
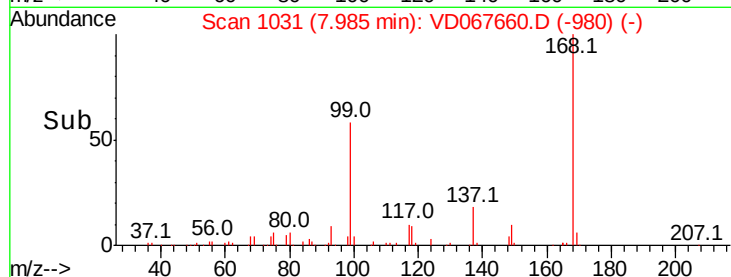
7.98

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067660.D

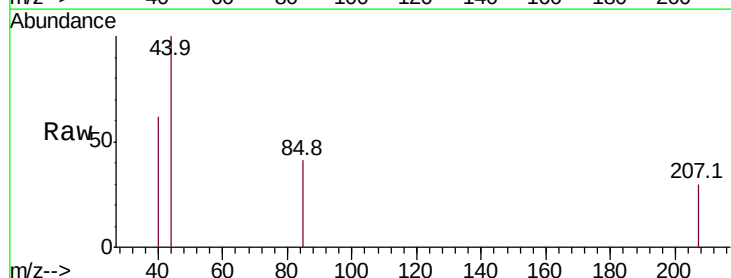
Acq: 17 Nov 2020 14:10

Tgt Ion: 85 Resp: 290

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

400

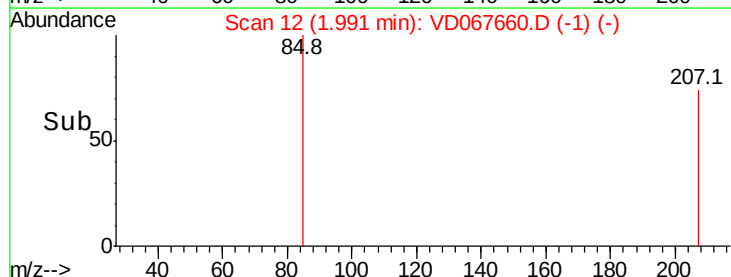
300

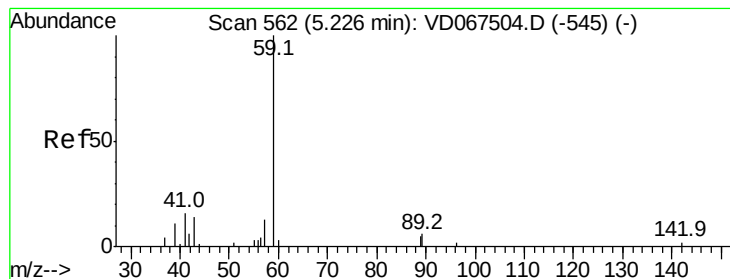
200

100

0

Time-->



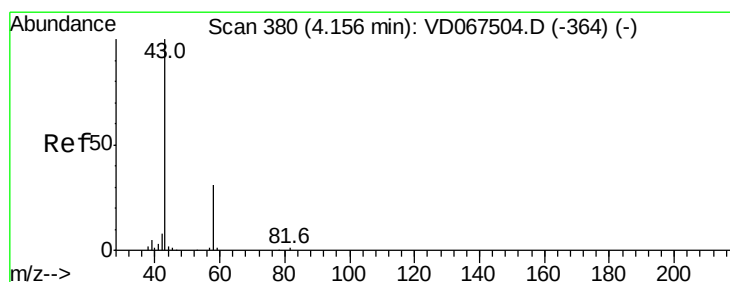
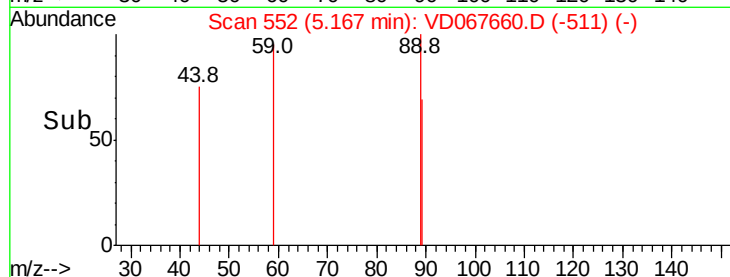
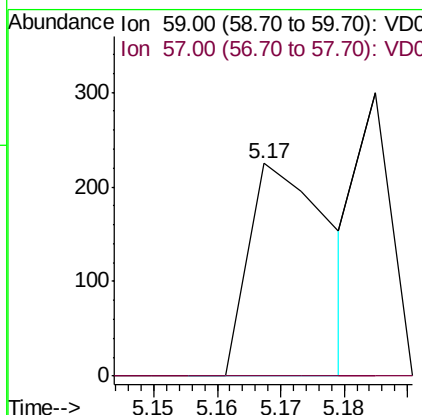
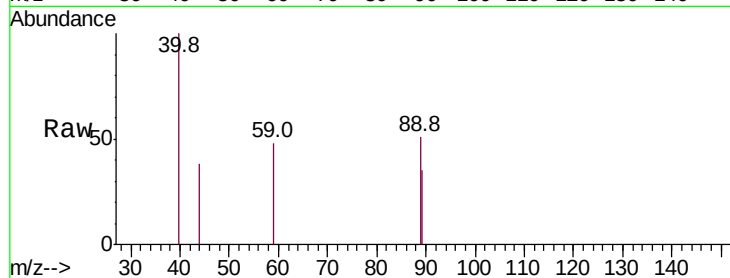


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.17 min Scan# 552
Delta R.T. -0.06 min
Lab File: VD067660.D
Acq: 17 Nov 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
CD-BH-01-0-1

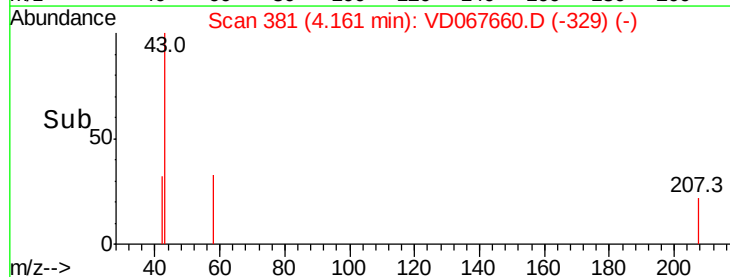
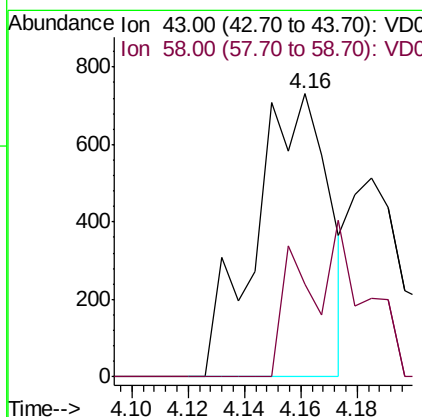
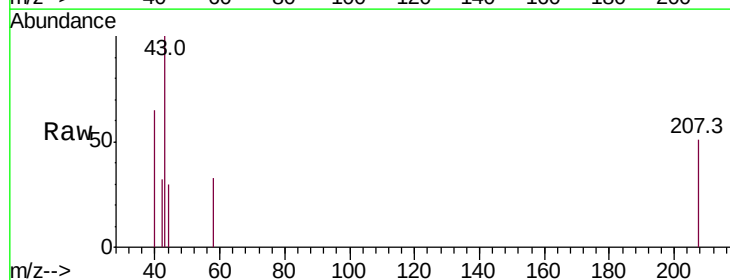
Tot Ion: 59 Resp: 202
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#

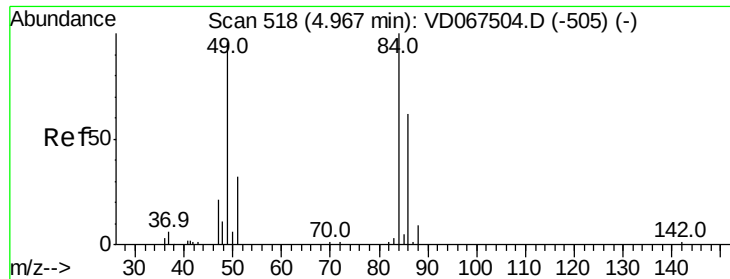


#16

Acetone
Concen: 3.917 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD067660.D
Acq: 17 Nov 2020 14:10

Tgt Ion: 43 Resp: 1317
Ion Ratio Lower Upper
43 100
58 32.7 25.2 37.8

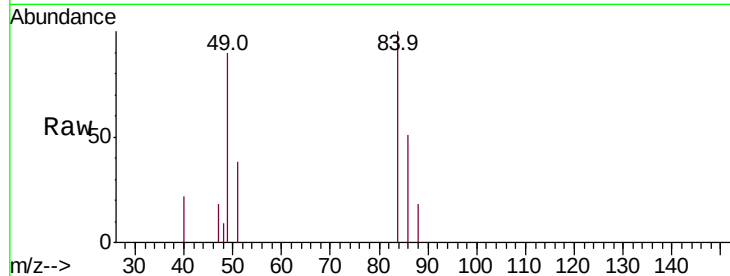




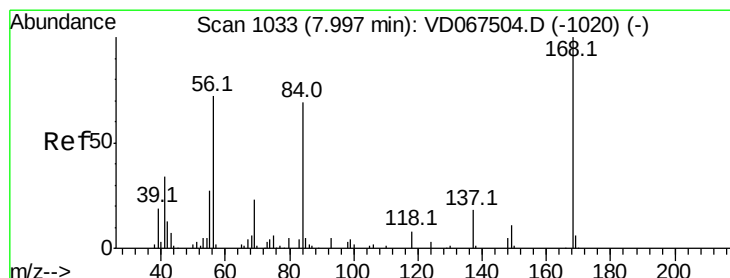
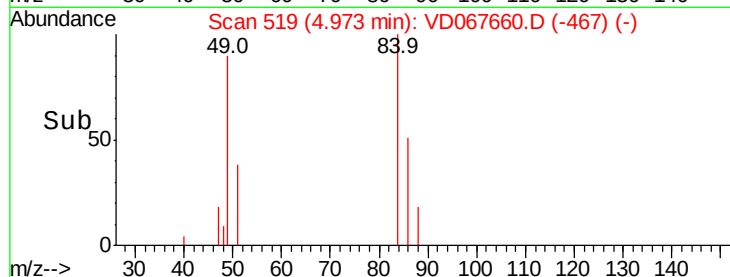
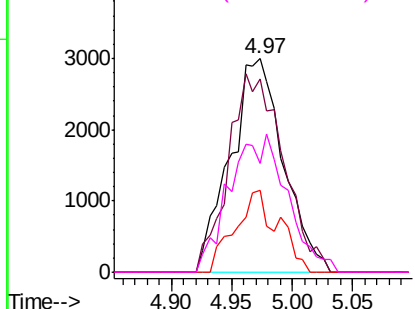
#20
Methvlene Chloride
Concen: 3.869 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067660.D
Acq: 17 Nov 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
CD-BH-01-0-1

Tot Ion:	84	Resp:	9189
Ion	Ratio	Lower	Upper
84	100		
49	90.5	77.0	115.4
51	38.1	25.4	38.2
86	50.9	49.4	74.0

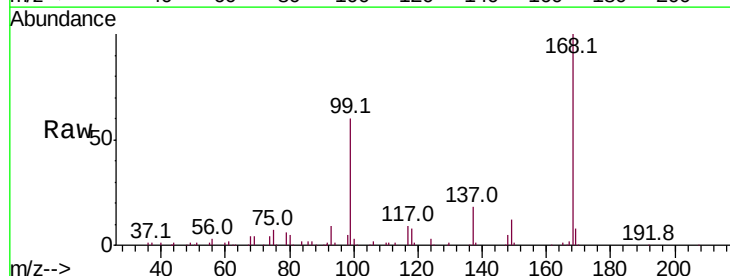


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

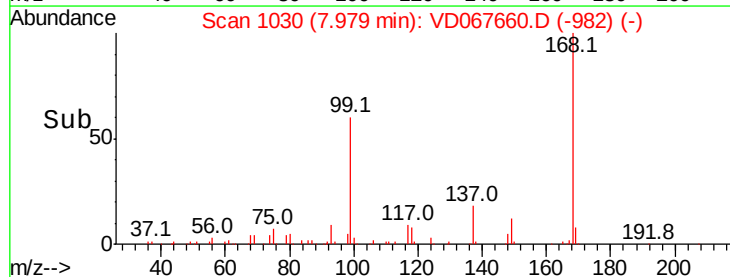
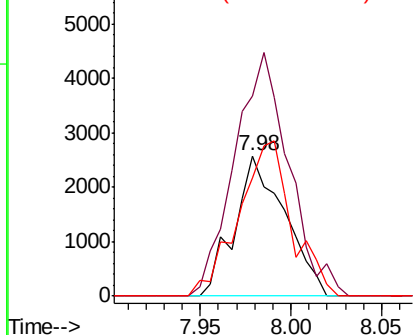


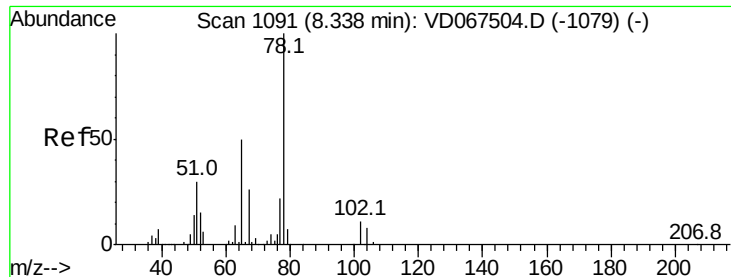
#31
Cyclohexane
Concen: 1.532 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VD067660.D
Acq: 17 Nov 2020 14:10

Tgt Ion:	56	Resp:	4994
Ion	Ratio	Lower	Upper
56	100		
69	142.6	25.9	38.9#
84	84.2	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: 53.878 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

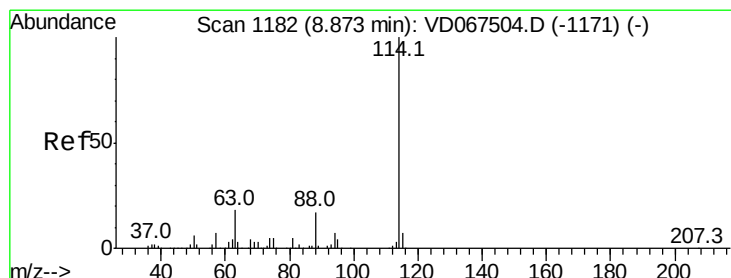
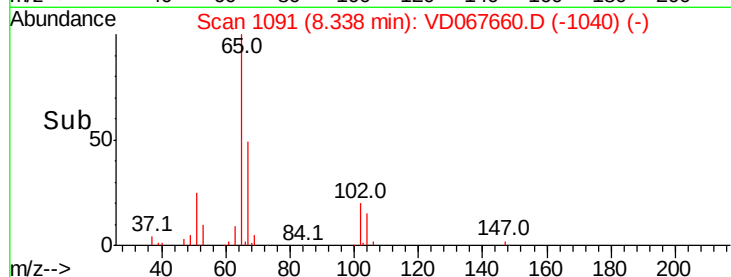
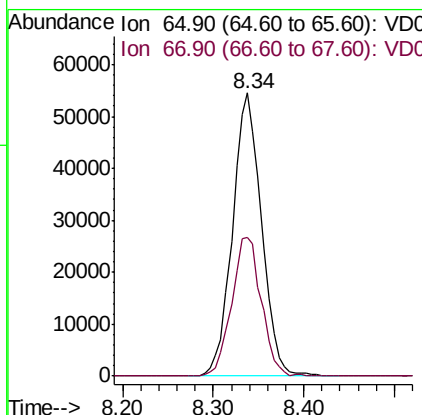
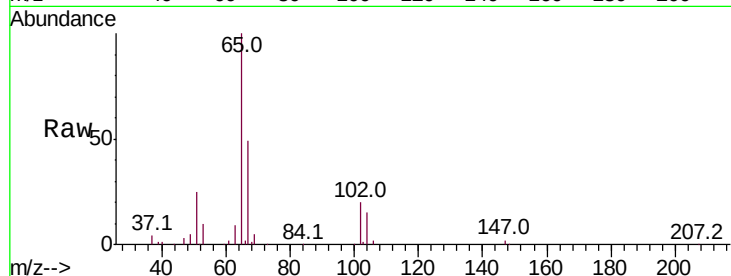
Lab File: VD067660.D

Acq: 17 Nov 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
CD-BH-01-0-1

Tot Ion: 65 Resp: 121062

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

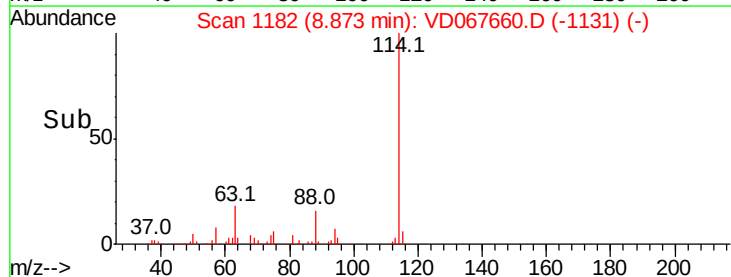
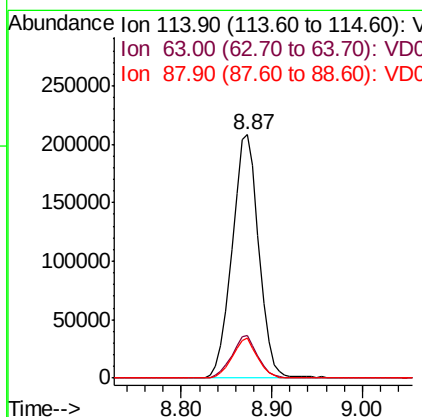
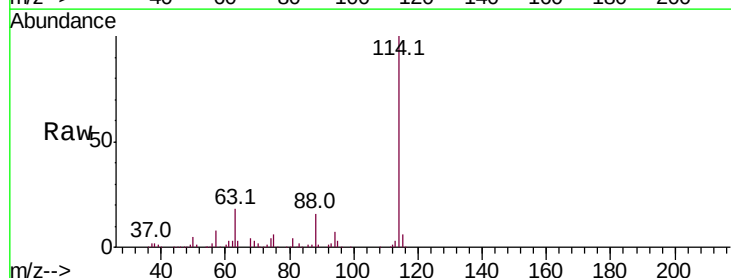
Delta R.T. -0.00 min

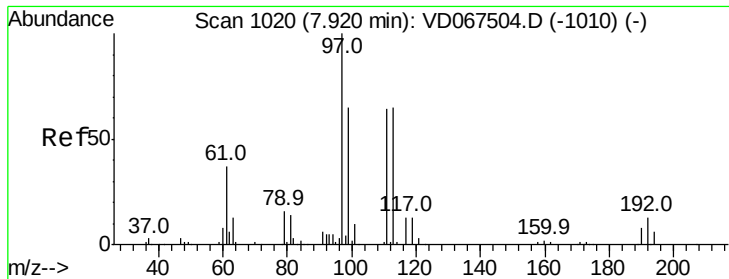
Lab File: VD067660.D

Acq: 17 Nov 2020 14:10

Tgt Ion: 114 Resp: 425657

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	35.0
88	16.3	0.0	33.0





#35

Dibromofluoromethane

Concen: 50.823 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067660.D

Acq: 17 Nov 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

CD-BH-01-0-1

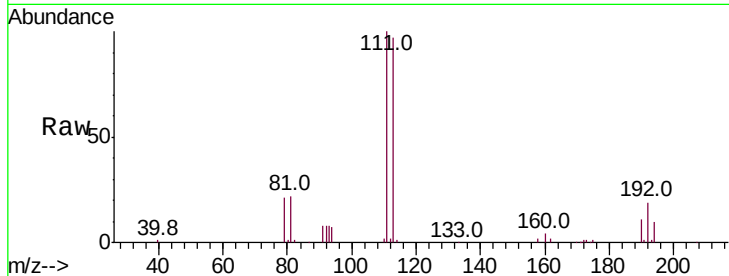
Tot Ion:113 Resp: 130339

Ion Ratio Lower Upper

113 100

111 104.4 80.0 120.0

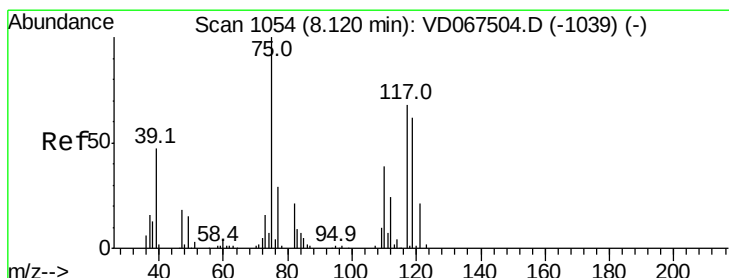
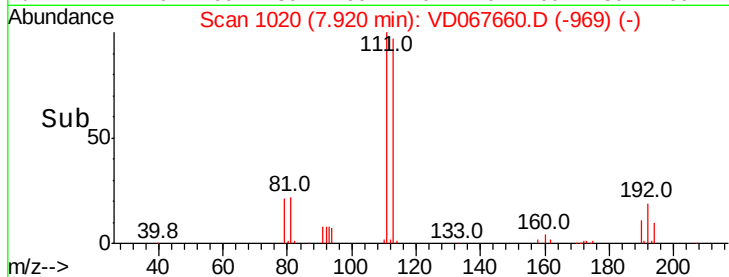
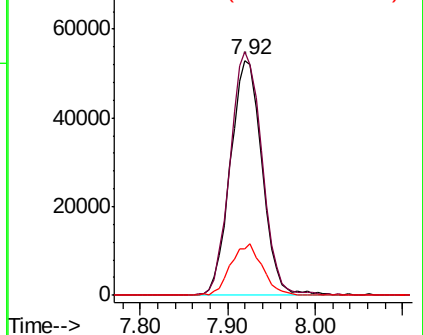
192 21.9 16.3 24.5



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: VD067660.D

Acq: 17 Nov 2020 14:10

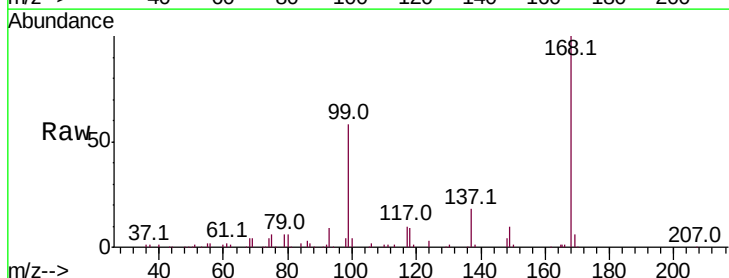
Tgt Ion: 75 Resp: 17998

Ion Ratio Lower Upper

75 100

110 10.5 19.9 59.7#

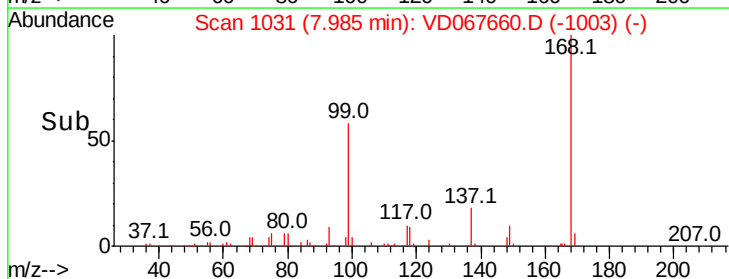
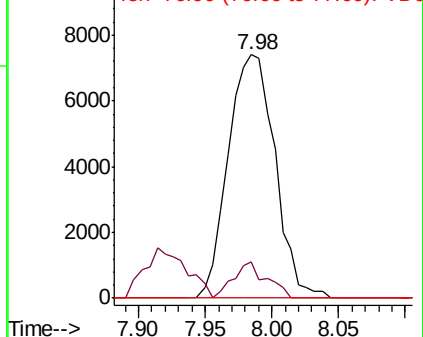
77 0.0 24.8 37.2#

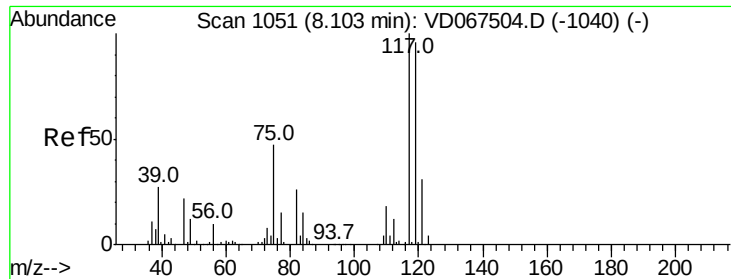


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

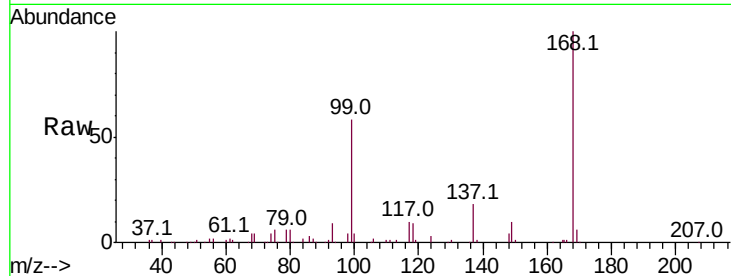




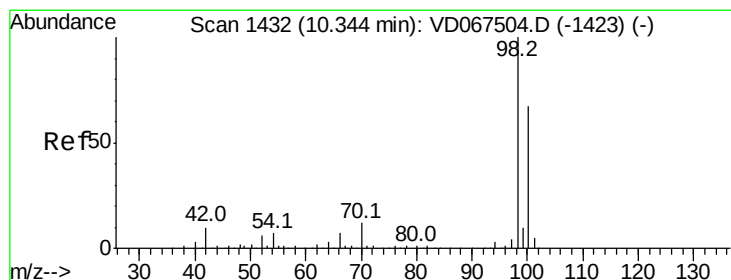
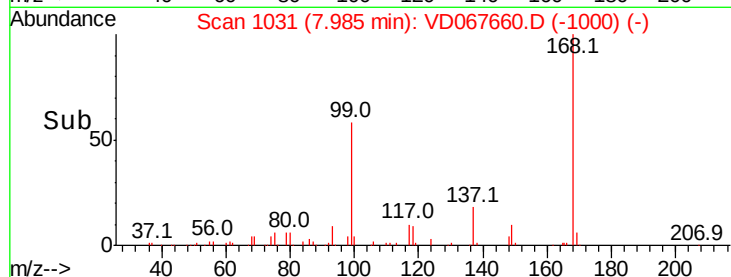
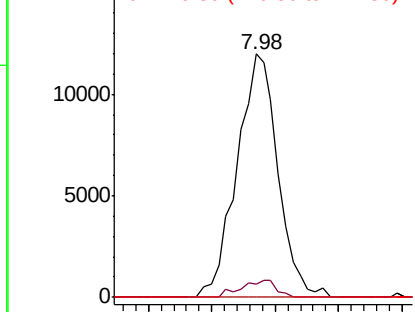
#38
Carbon Tetrachloride
Concen: 5.673 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD067660.D
Acq: 17 Nov 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :
CD-BH-01-0-1

Tot Ion:117 Resp: 26854
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.5 36.7#

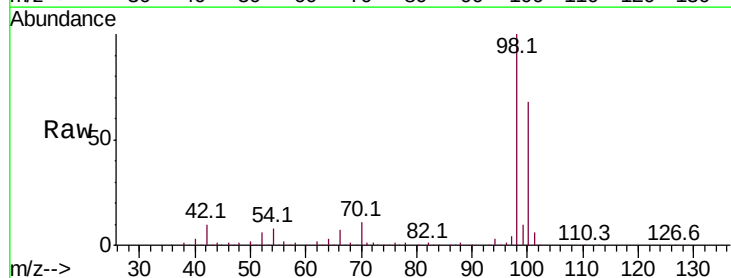


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

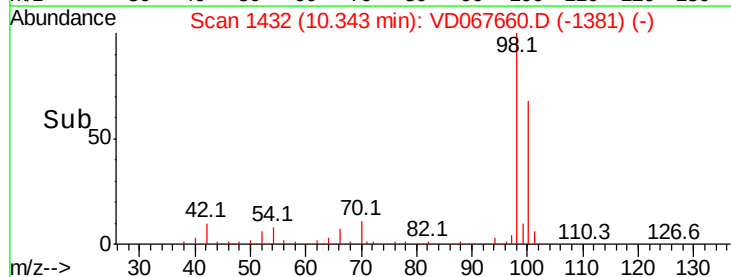
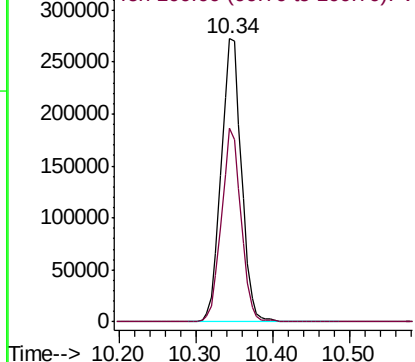


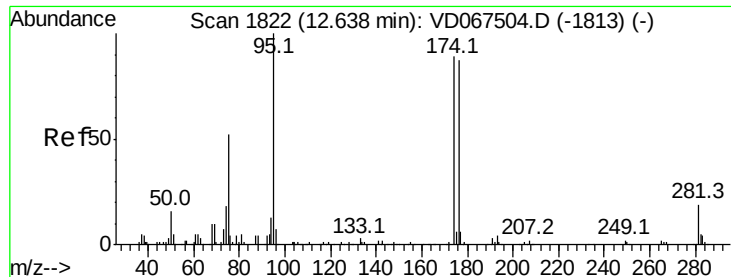
#50
Toluene-d8
Concen: 55.251 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067660.D
Acq: 17 Nov 2020 14:10

Tgt Ion: 98 Resp: 497953
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V

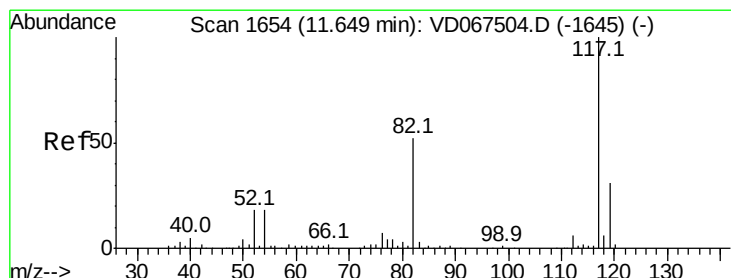
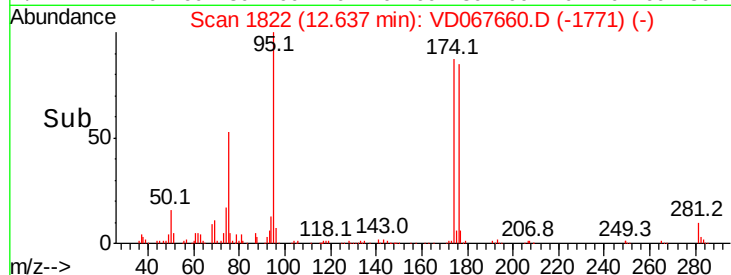
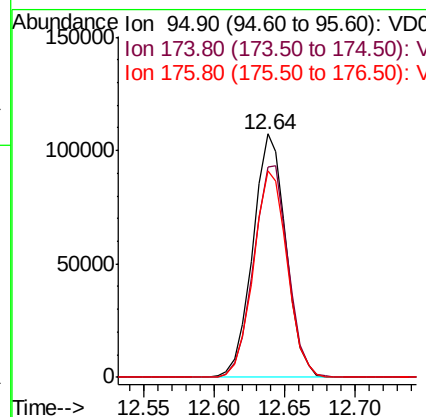
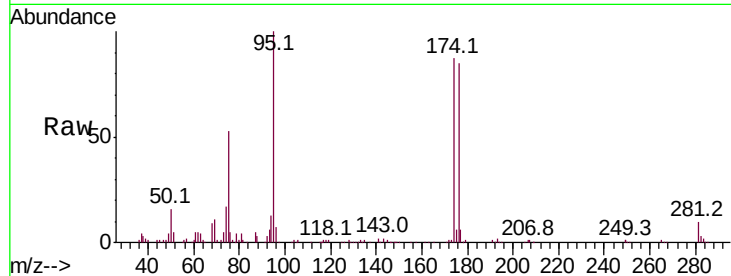




#62
4-Bromofluorobenzene
Concen: 56.876 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067660.D
Acq: 17 Nov 2020 14:10

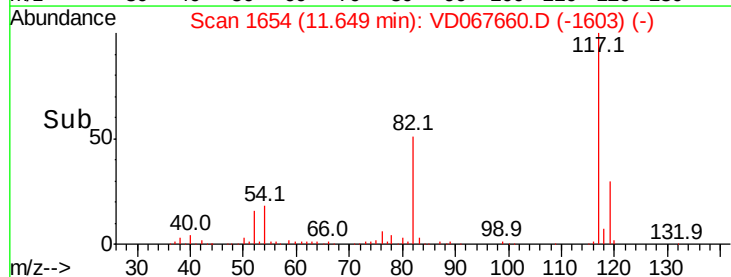
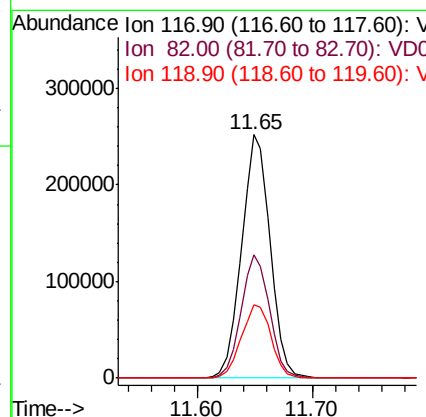
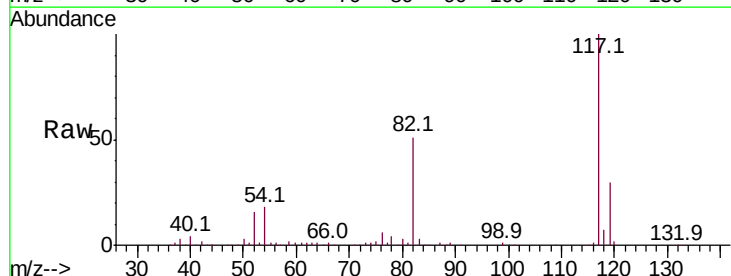
Instrument :
MSVOA_D
ClientSampleId :
CD-BH-01-0-1

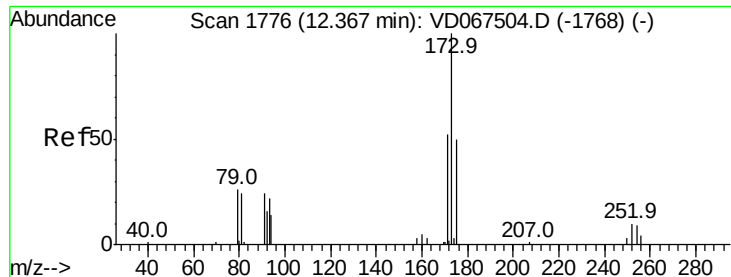
Tot Ion: 95 Resp: 176972
Ion Ratio Lower Upper
95 100
174 90.3 0.0 177.8
176 86.3 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067660.D
Acq: 17 Nov 2020 14:10

Tgt Ion: 117 Resp: 429966
Ion Ratio Lower Upper
117 100
82 50.8 41.6 62.4
119 29.9 25.1 37.7





#71

Bromoform

Concen: 1.132 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD067660.D

Acq: 17 Nov 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

CD-BH-01-0-1

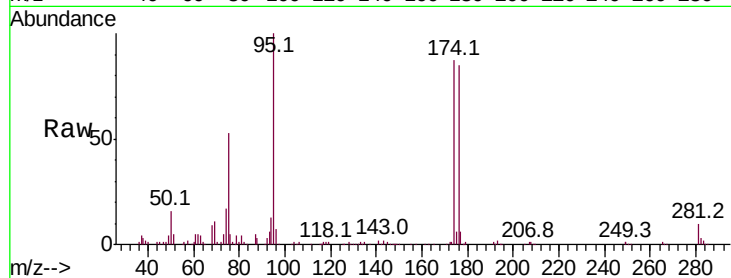
Tot Ion:173 Resp: 1884

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.2#

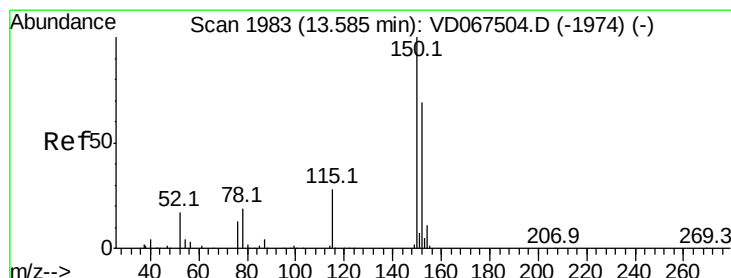
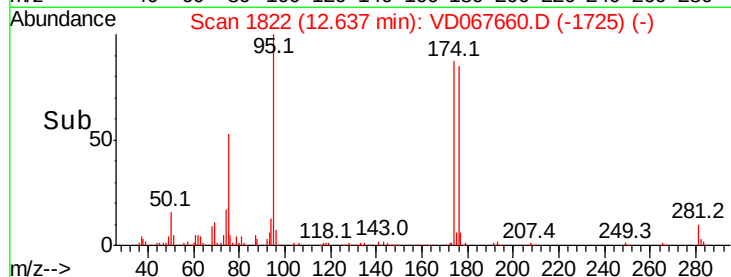
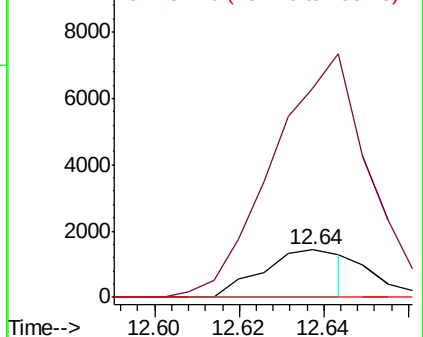
254 0.0 0.0 0.0



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# 1983

Delta R.T. -0.00 min

Lab File: VD067660.D

Acq: 17 Nov 2020 14:10

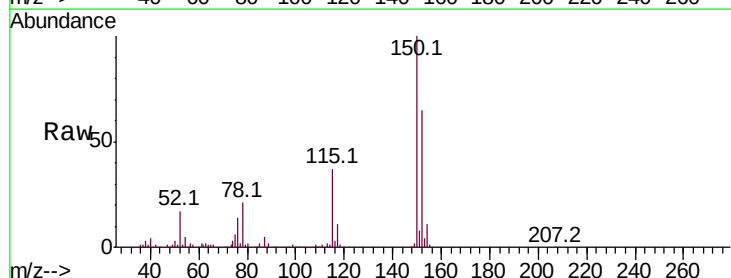
Tgt Ion:152 Resp: 191049

Ion Ratio Lower Upper

152 100

115 58.4 29.3 88.0

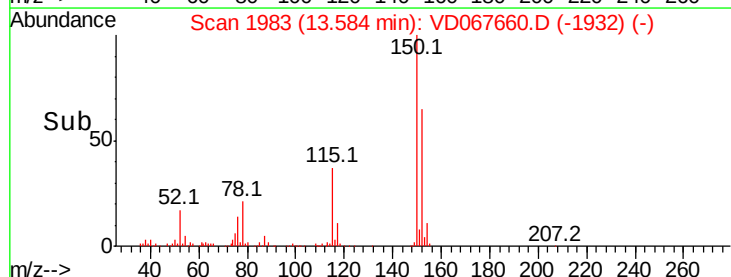
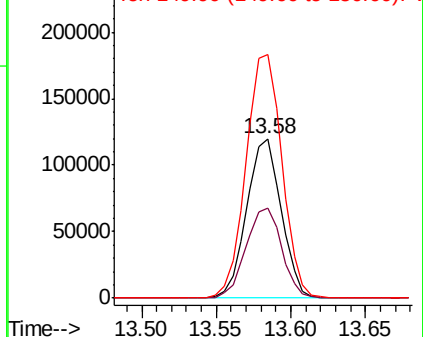
150 159.3 0.0 338.2

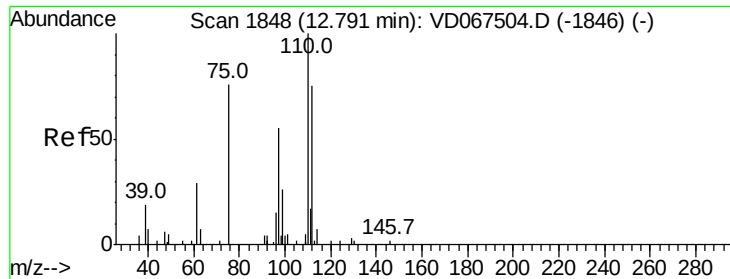


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 79.155 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067660.D

Acq: 17 Nov 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

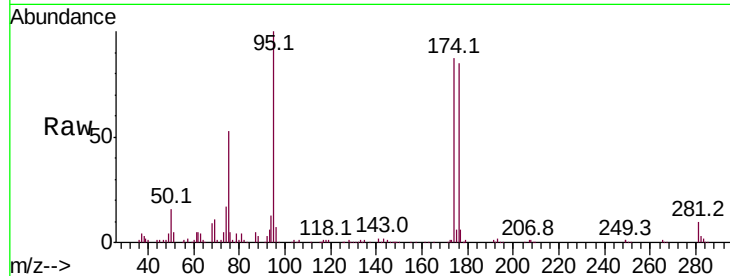
CD-BH-01-0-1

Tot Ion: 75 Resp: 91227

Ion Ratio Lower Upper

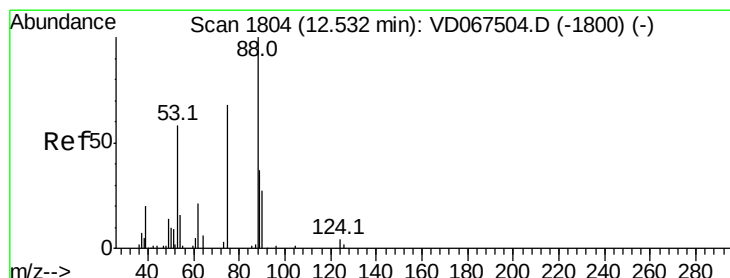
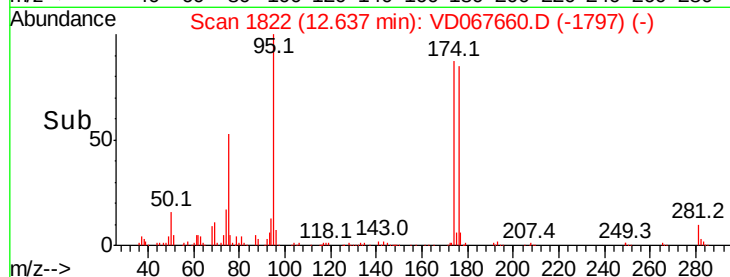
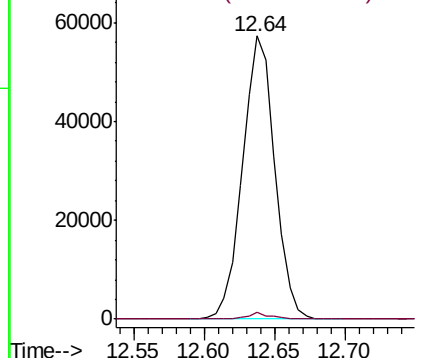
75 100

77 1.6 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: 160.705 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067660.D

Acq: 17 Nov 2020 14:10

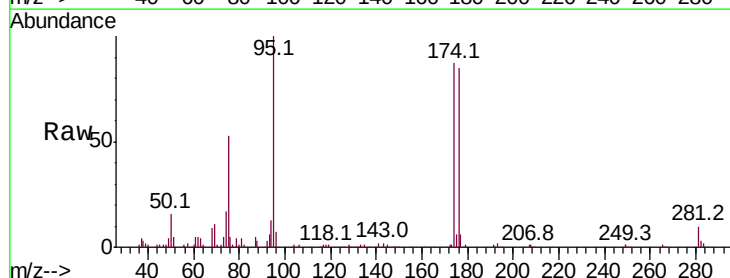
Tgt Ion: 75 Resp: 91227

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.1 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

