

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111820\
 Data File : VD067685.D
 Acq On : 18 Nov 2020 14:57
 Operator : VA/SY
 Sample : L4770-24
 Misc : 3.60G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FJ-BH-04-4-5

Quant Time: Nov 19 00:27:25 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

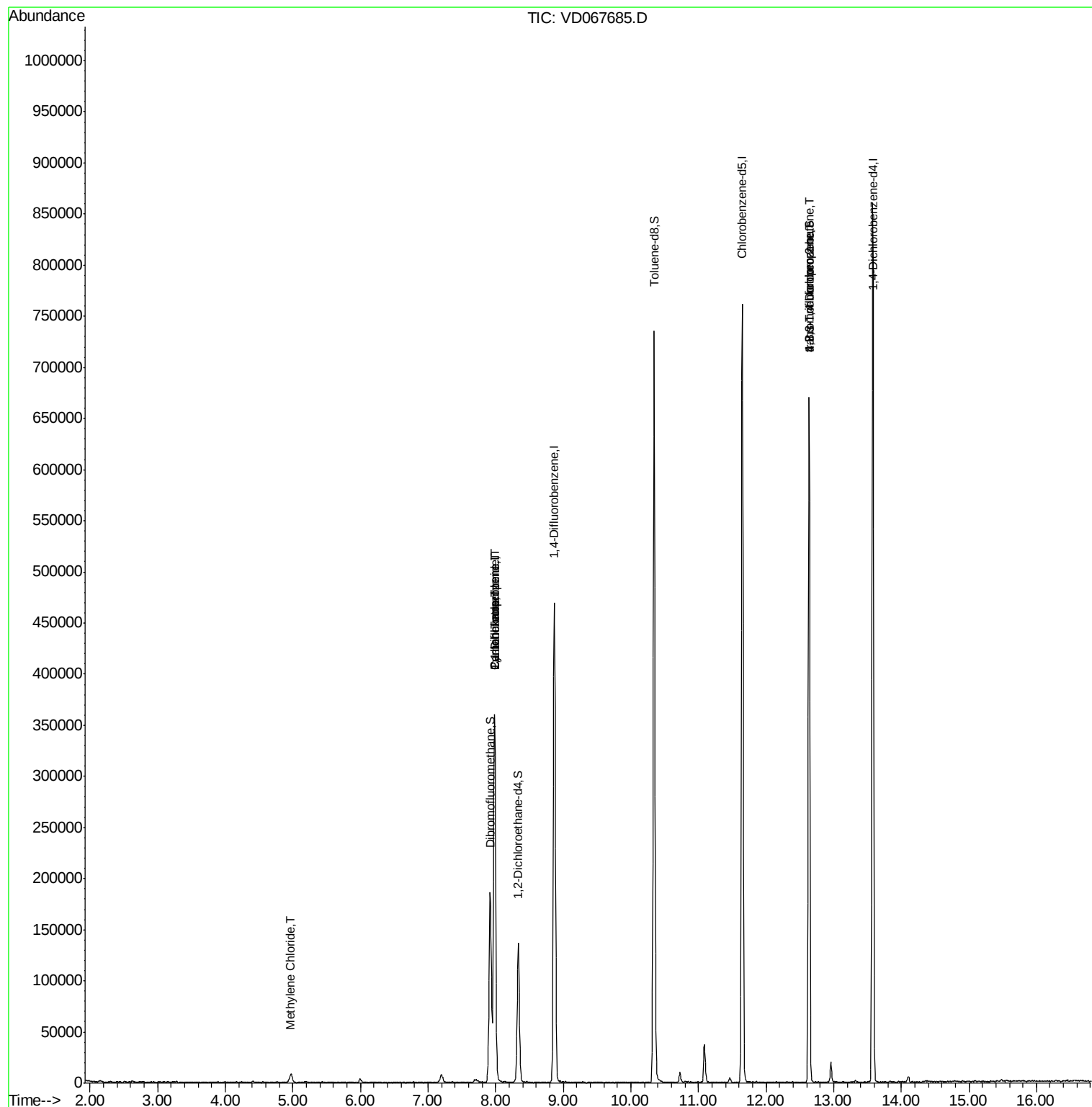
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	276080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	423039	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	461089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	240060	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	121890	50.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.98%	
35) Dibromofluoromethane	7.91	113	131545	51.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.22%	
50) Toluene-d8	10.34	98	503594	56.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.44%	
62) 4-Bromofluorobenzene	12.64	95	201219	65.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	130.14%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	246	Below Cal	#	44
11) Tert butyl alcohol	5.19	59	203	Below Cal	#	79
20) Methylene Chloride	4.96	84	3582	1.404	ug/l #	85
31) Cyclohexane	7.98	56	5604	1.601	ug/l #	45
36) 1,1-Dichloropropene	7.98	75	18550	5.123	ug/l #	49
38) Carbon Tetrachloride	7.98	117	28419	6.040	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	106195	73.330	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	106195	148.879	ug/l #	10

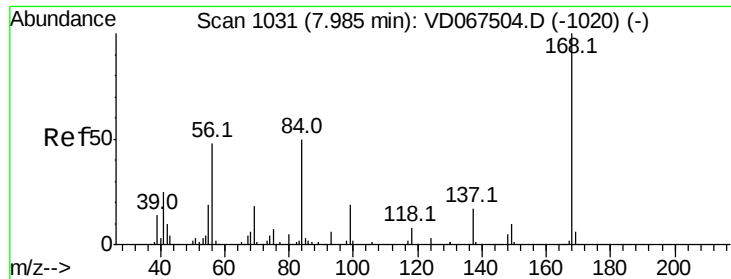
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067685.D

Acq: 18 Nov 2020 14:57

Instrument :

MSVOA_D

ClientSampleId :

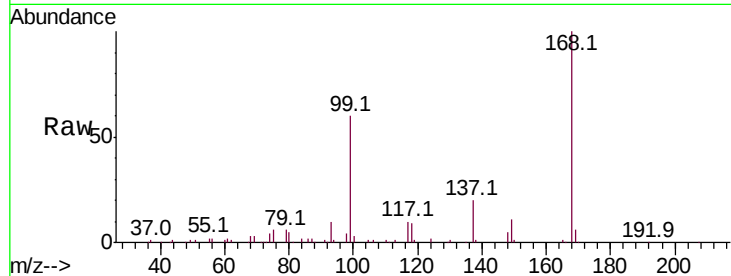
FJ-BH-04-4-5

Tot Ion:168 Resp: 276080

Ion Ratio Lower Upper

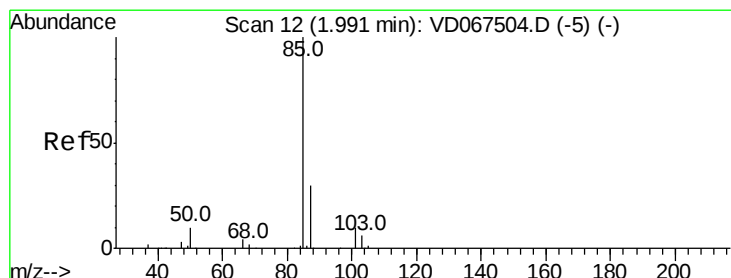
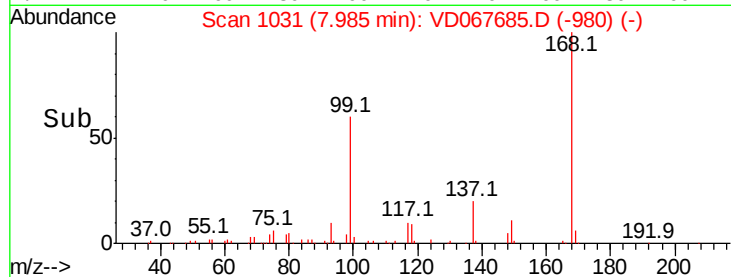
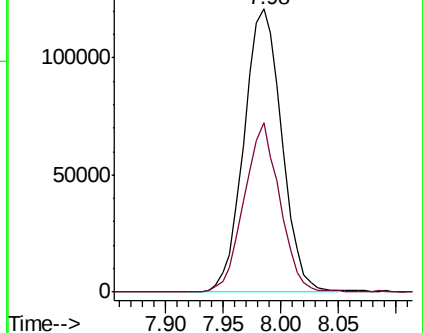
168 100

99 60.0 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# 11

Delta R.T. -0.01 min

Lab File: VD067685.D

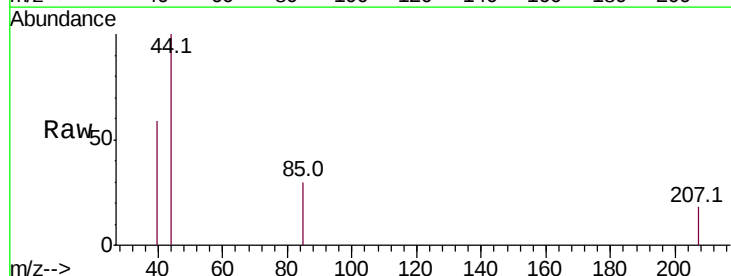
Acq: 18 Nov 2020 14:57

Tgt Ion: 85 Resp: 246

Ion Ratio Lower Upper

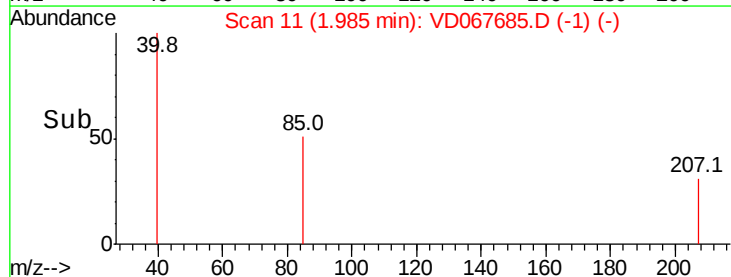
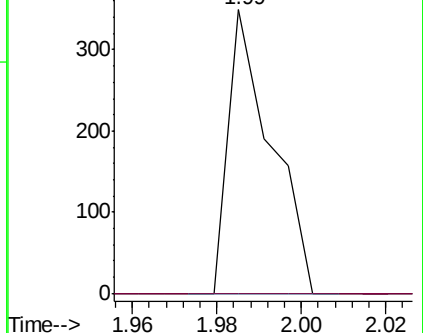
85 100

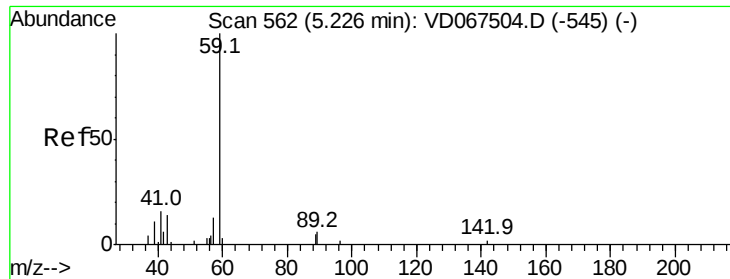
87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.04 min

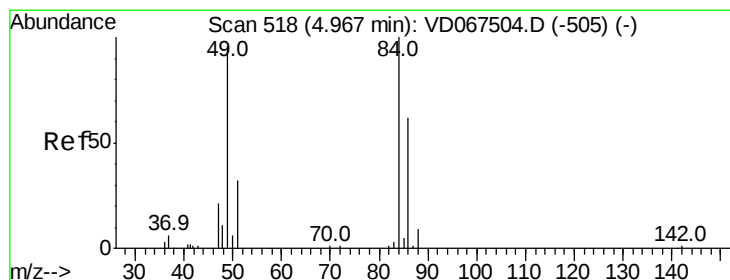
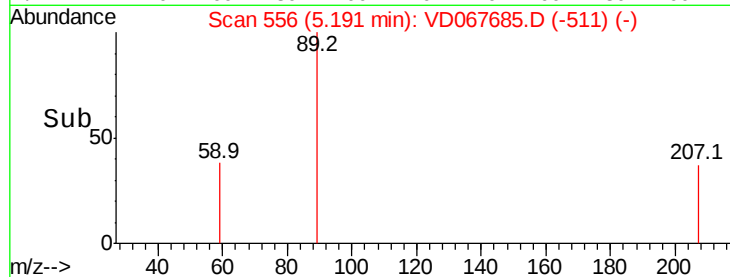
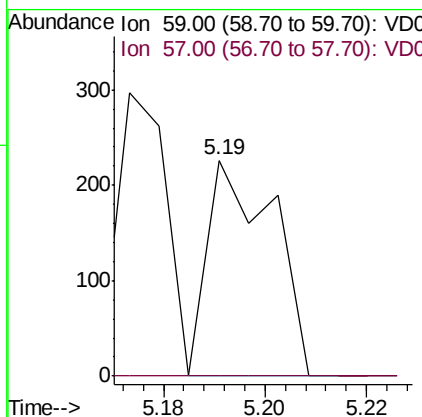
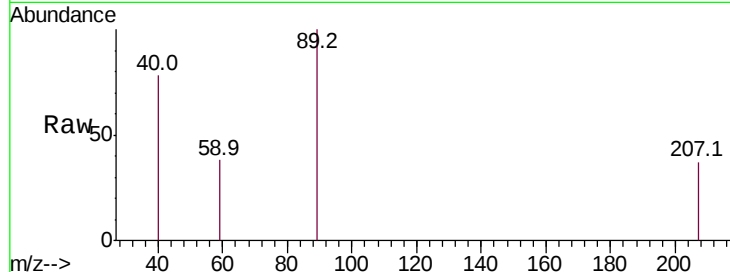
Lab File: VD067685.D

Acq: 18 Nov 2020 14:57

Instrument :
MSVOA_D
ClientSampleId :
FJ-BH-04-4-5

Tot Ion: 59 Resp: 203

Ion	Ratio	Lower	Upper
59	100		
57	0.0	5.9	8.9#



#20

Methylene Chloride

Concen: 1.404 ug/l

RT: 4.96 min Scan# 517

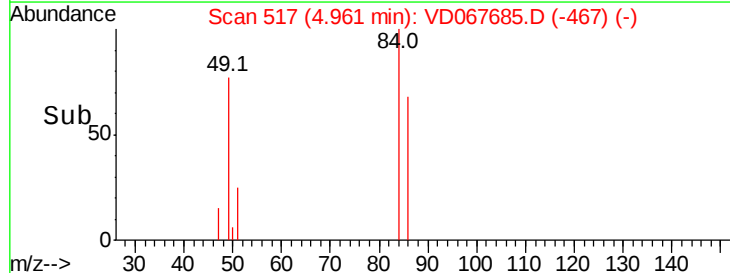
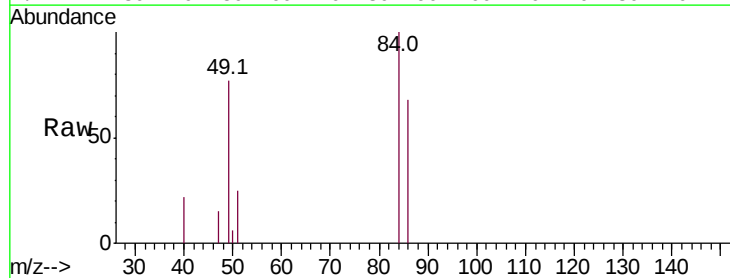
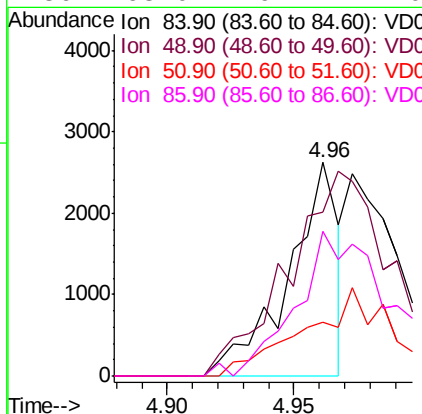
Delta R.T. -0.01 min

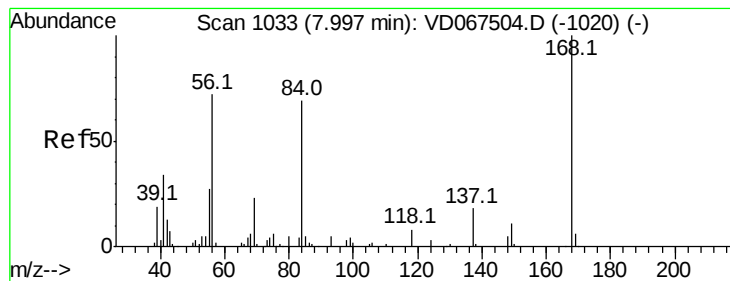
Lab File: VD067685.D

Acq: 18 Nov 2020 14:57

Tgt Ion: 84 Resp: 3582

Ion	Ratio	Lower	Upper
84	100		
49	77.0	77.0	115.4
51	25.2	25.4	38.2#
86	68.0	49.4	74.0





#31

Cyclohexane

Concen: 1.601 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067685.D

Acq: 18 Nov 2020 14:57

Instrument :

MSVOA_D

ClientSampleId :

FJ-BH-04-4-5

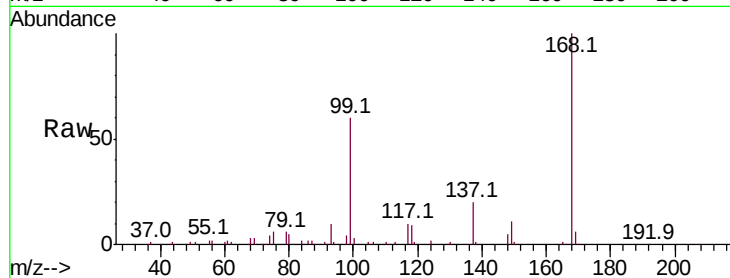
Tot Ion: 56 Resp: 5604

Ion Ratio Lower Upper

56 100

69 152.9 25.9 38.9#

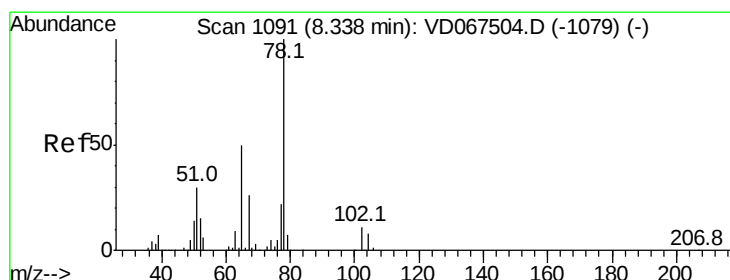
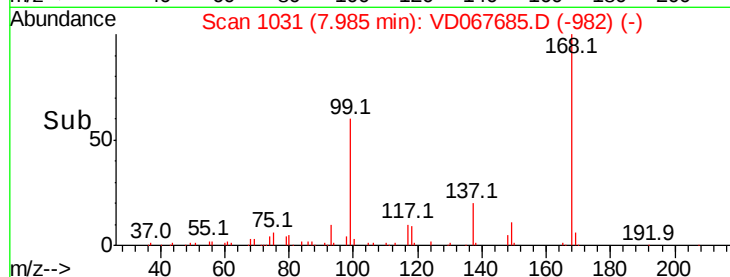
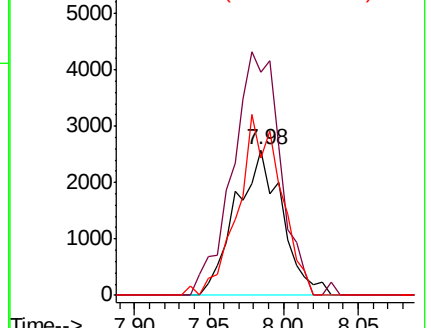
84 94.6 76.2 114.4



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: 50.493 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067685.D

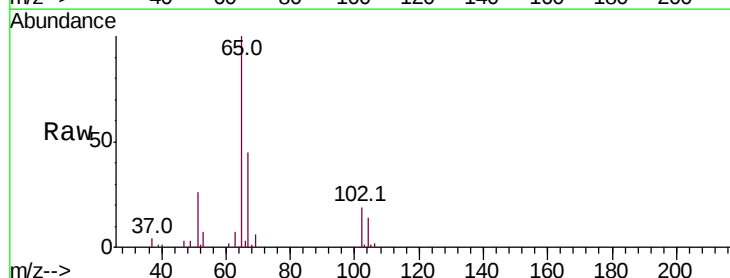
Acq: 18 Nov 2020 14:57

Tgt Ion: 65 Resp: 121890

Ion Ratio Lower Upper

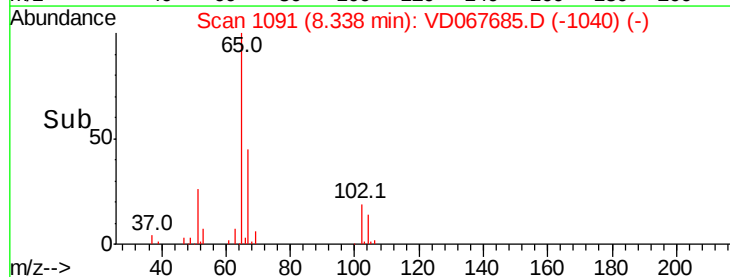
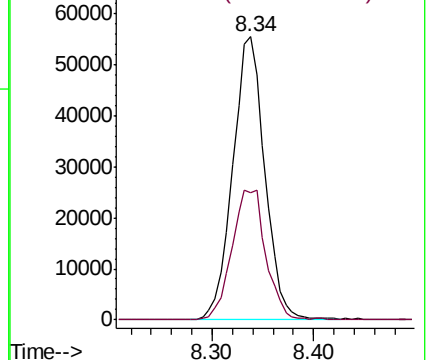
65 100

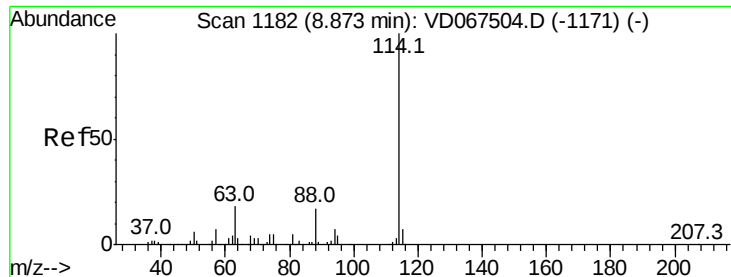
67 48.3 0.0 99.4



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: VD067685.D

Acq: 18 Nov 2020 14:57

Instrument :

MSVOA_D

ClientSampleId :

FJ-BH-04-4-5

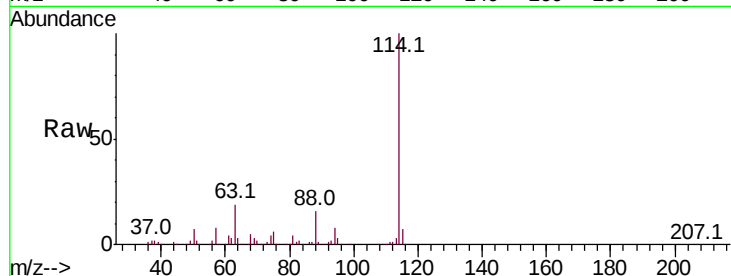
Tot Ion:114 Resp: 423039

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.0

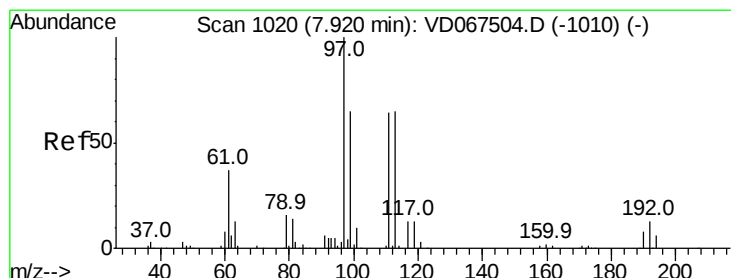
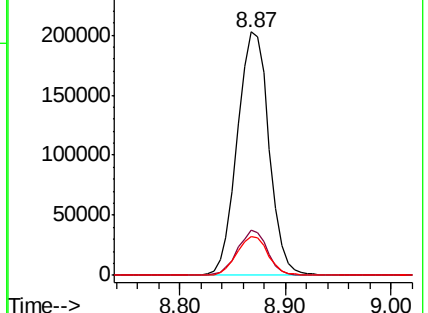
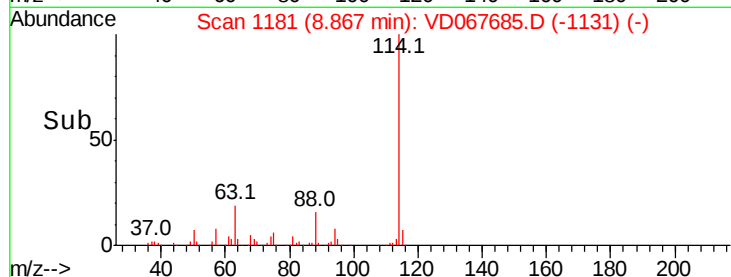
88 15.8 0.0 33.0



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: 51.611 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD067685.D

Acq: 18 Nov 2020 14:57

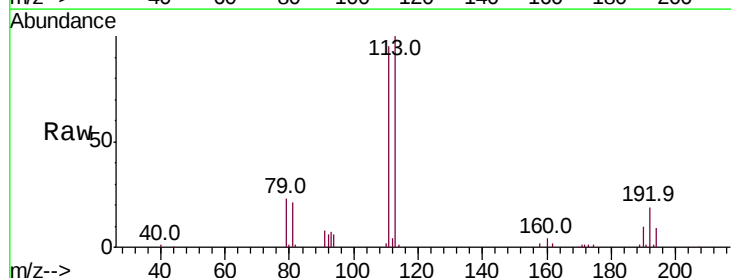
Tgt Ion:113 Resp: 131545

Ion Ratio Lower Upper

113 100

111 101.9 80.0 120.0

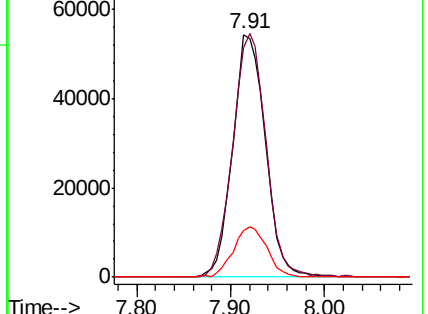
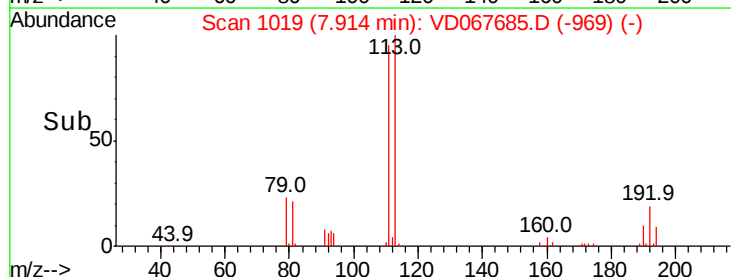
192 21.3 16.3 24.5

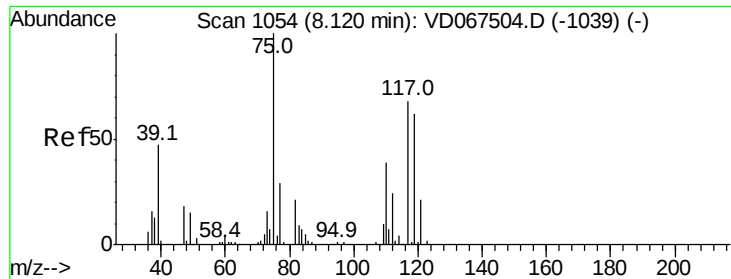


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.123 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.14 min

Lab File: VD067685.D

Acq: 18 Nov 2020 14:57

Instrument :

MSVOA_D

ClientSampleId :

FJ-BH-04-4-5

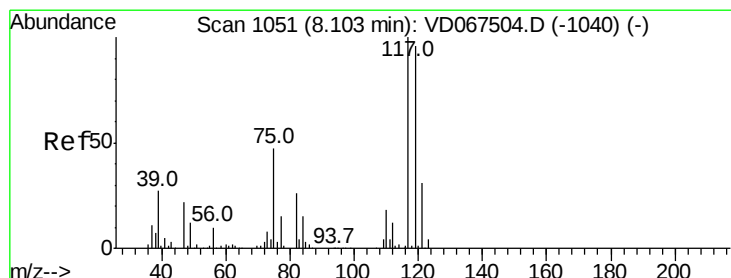
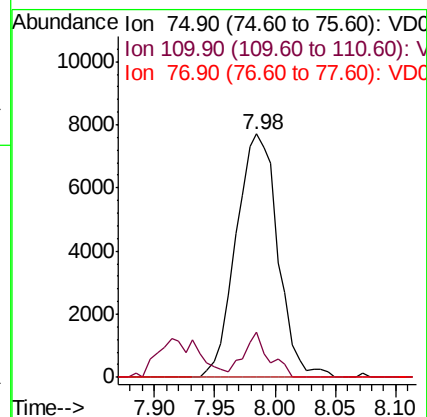
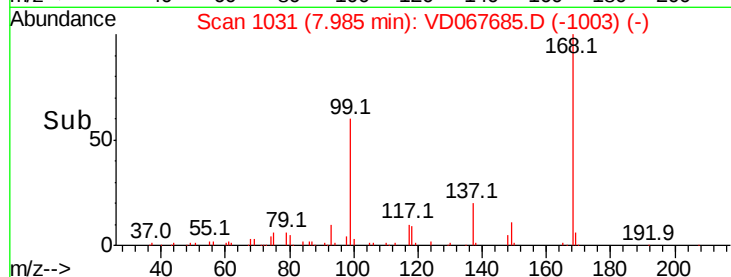
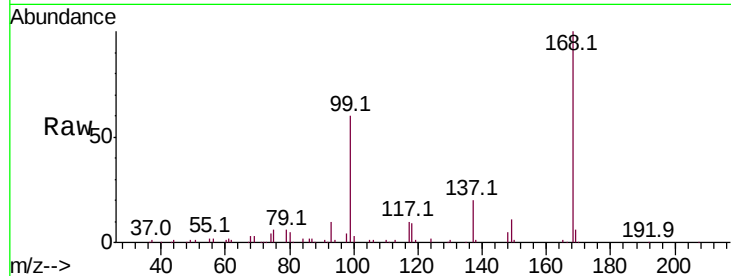
Tot Ion: 75 Resp: 18550

Ion Ratio Lower Upper

75 100

110 11.1 19.9 59.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.040 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067685.D

Acq: 18 Nov 2020 14:57

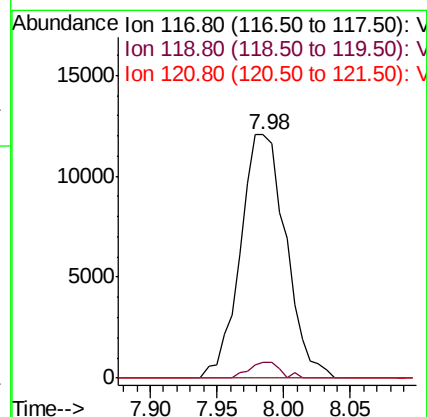
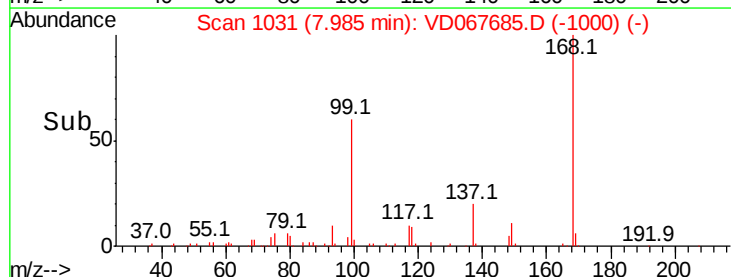
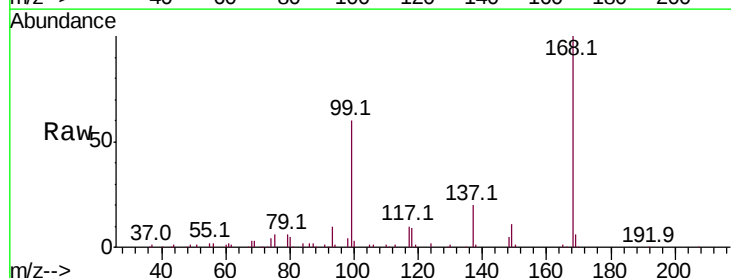
Tgt Ion: 117 Resp: 28419

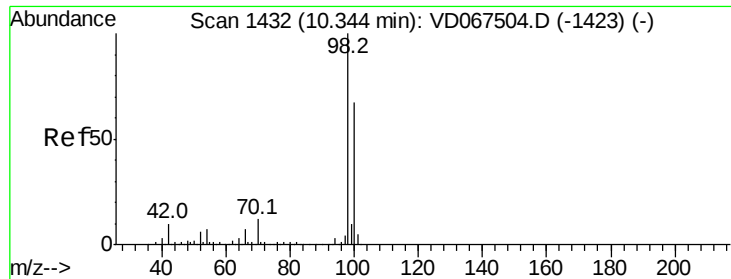
Ion Ratio Lower Upper

117 100

119 6.5 76.9 115.3#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 56.223 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067685.D

Acq: 18 Nov 2020 14:57

Instrument :

MSVOA_D

ClientSampleId :

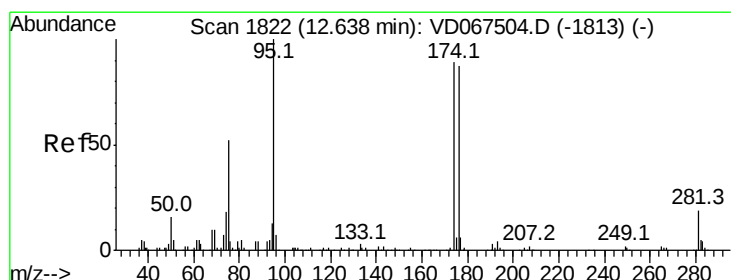
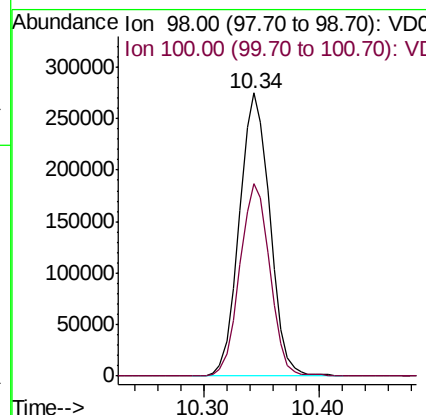
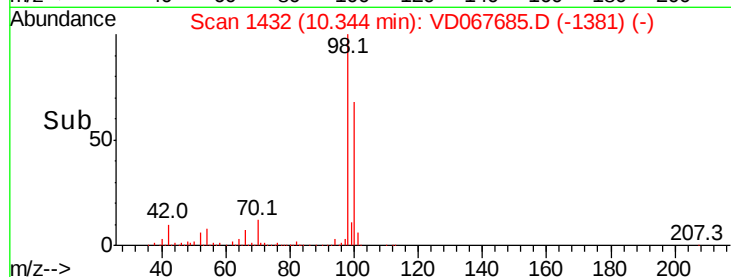
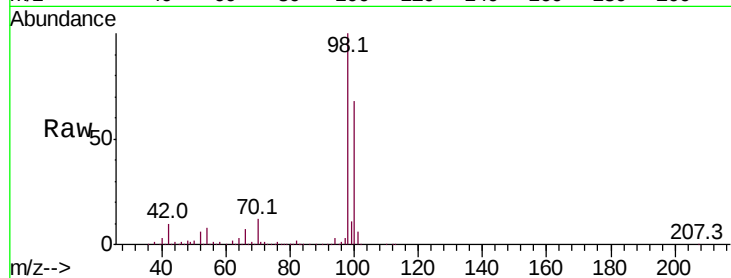
FJ-BH-04-4-5

Tot Ion: 98 Resp: 503594

Ion Ratio Lower Upper

98 100

100 67.0 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 65.069 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067685.D

Acq: 18 Nov 2020 14:57

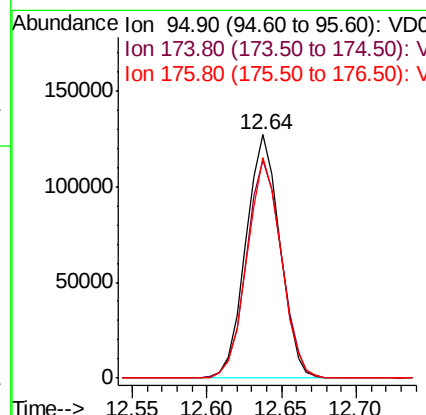
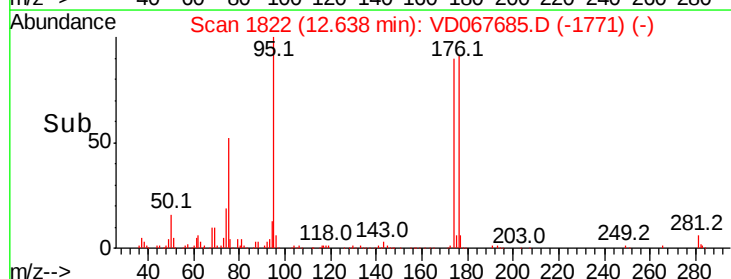
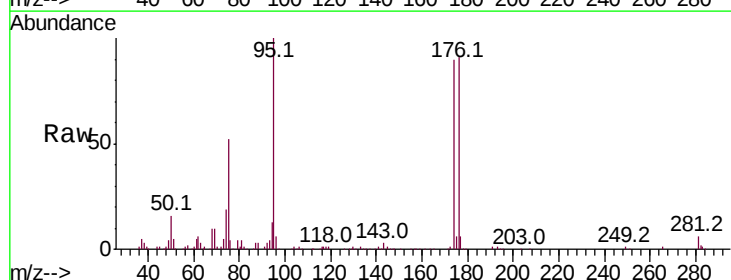
Tgt Ion: 95 Resp: 201219

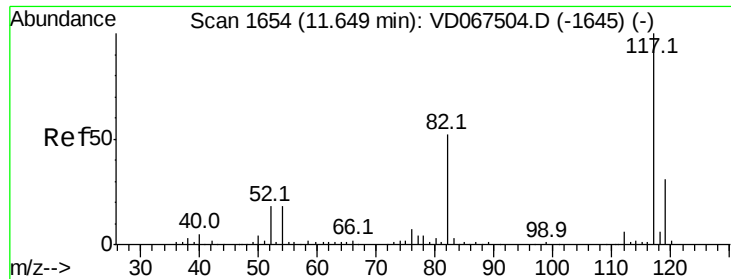
Ion Ratio Lower Upper

95 100

174 91.8 0.0 177.8

176 90.5 0.0 172.0

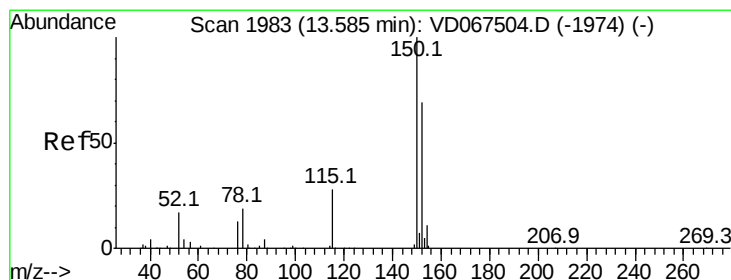
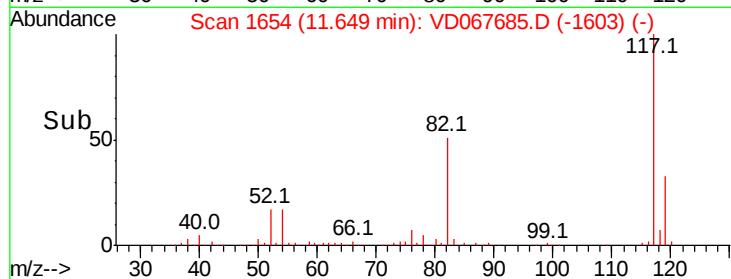
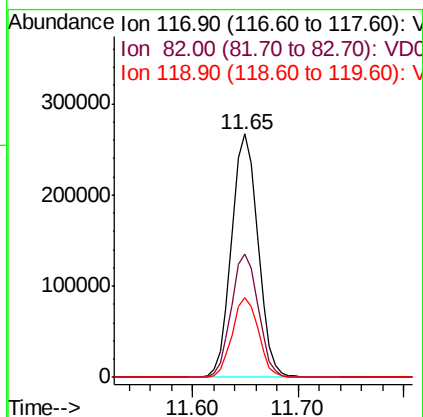
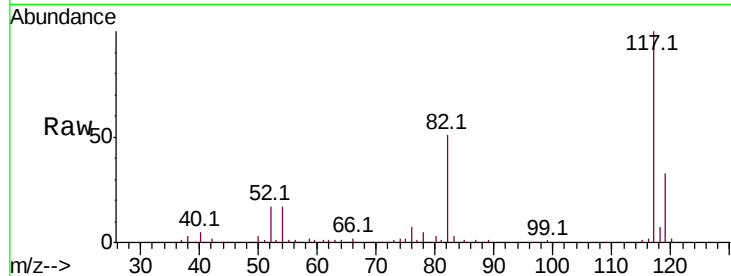




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067685.D
Acq: 18 Nov 2020 14:57

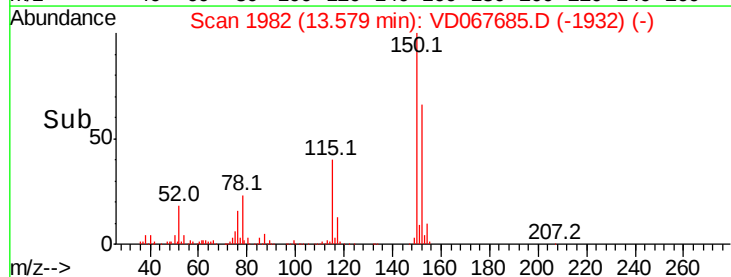
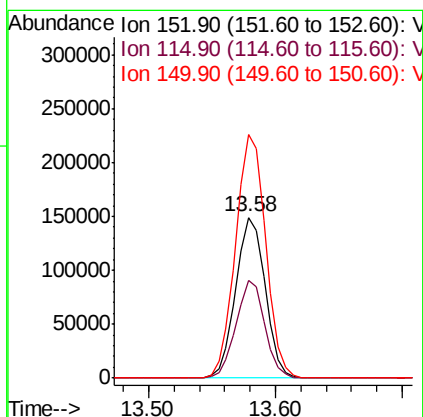
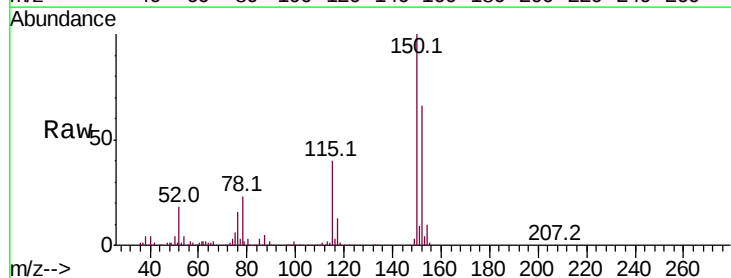
Instrument :
MSVOA_D
ClientSampleId :
FJ-BH-04-4-5

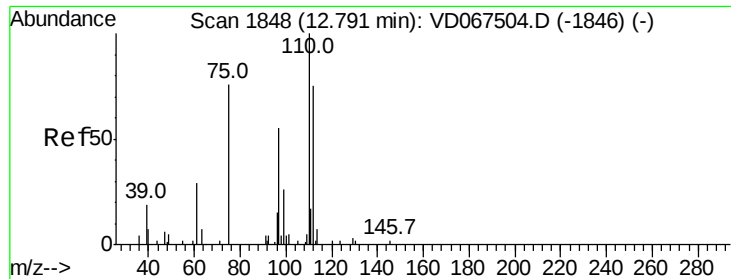
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	41.6	62.4
119	32.7	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067685.D
Acq: 18 Nov 2020 14:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.3	88.0
150	154.4	0.0	338.2

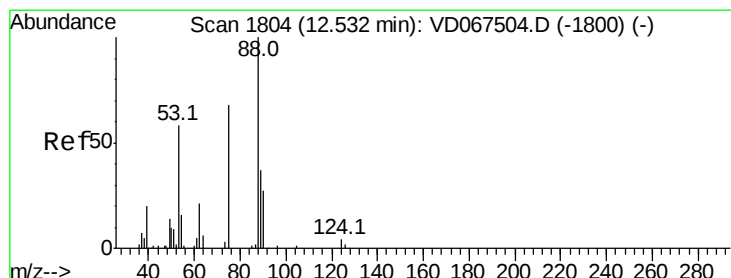
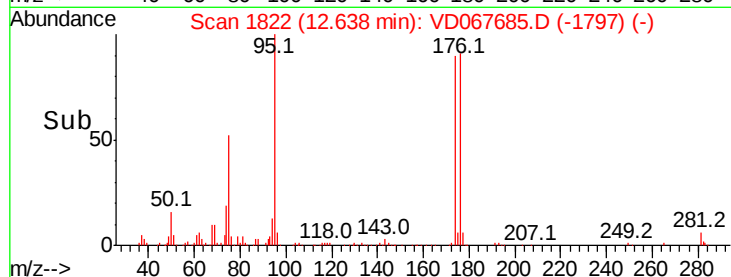
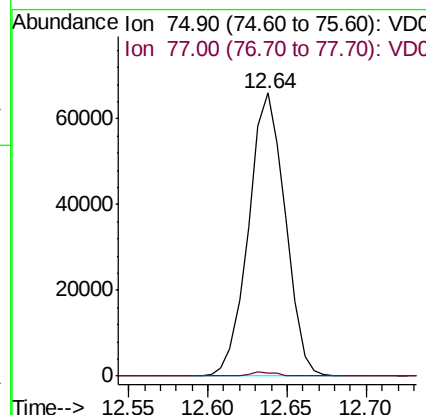
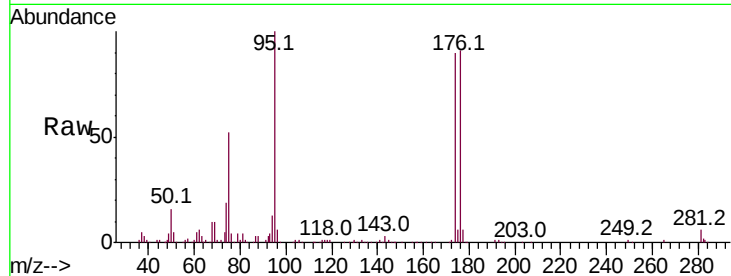




#76
 1,2,3-Trichloropropane
 Concen: 73.330 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067685.D
 Acq: 18 Nov 2020 14:57

Instrument :
 MSVOA_D
 ClientSampleId :
 FJ-BH-04-4-5

Tot Ion: 75 Resp: 106195
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.879 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067685.D
 Acq: 18 Nov 2020 14:57

Tgt Ion: 75 Resp: 106195
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.9 113.9#
 89 0.1 44.6 67.0#

