

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111720\
 Data File : VD067662.D
 Acq On : 17 Nov 2020 15:04
 Operator : VA/SY
 Sample : L4771-06
 Misc : 6.26G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CD-BH-01-4-5

Quant Time: Nov 17 23:58:46 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

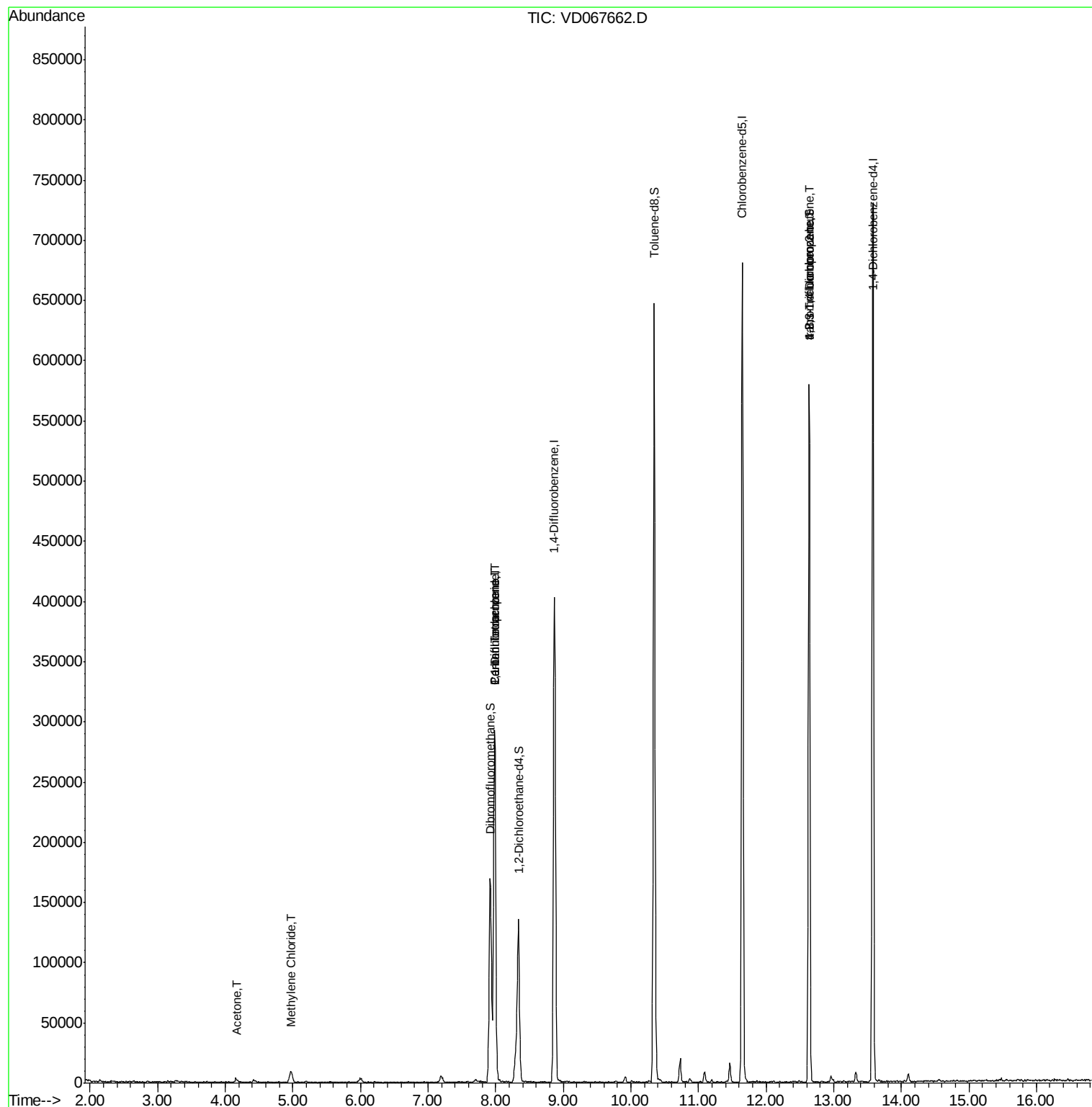
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	226261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	375232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	410002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212619	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	116888	59.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.16%	
35) Dibromofluoromethane	7.92	113	119529	52.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.74%	
50) Toluene-d8	10.34	98	455394	57.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.64%	
62) 4-Bromofluorobenzene	12.64	95	174997	63.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	445	Below Cal	#	44
11) Tert butyl alcohol	5.21	59	75	Below Cal	#	79
16) Acetone	4.17	43	4817	16.271	ug/l #	67
20) Methylene Chloride	4.98	84	8171	3.907	ug/l #	79
36) 1,1-Dichloropropene	7.98	75	15594	4.855	ug/l #	42
38) Carbon Tetrachloride	7.98	117	23483	5.627	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	91044	70.982	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	91044	144.112	ug/l #	10

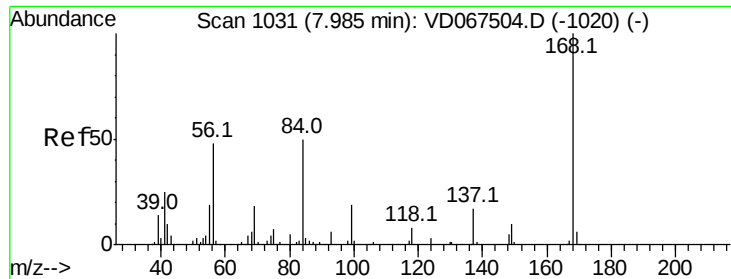
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067662.D

Acq: 17 Nov 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

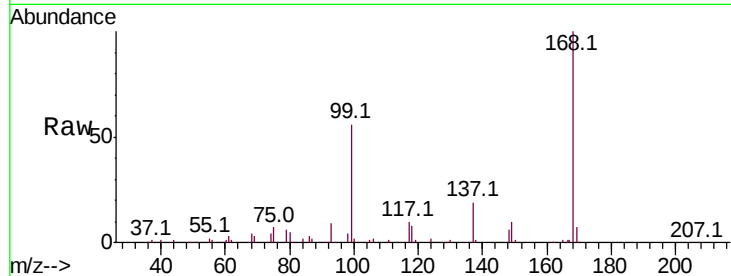
CD-BH-01-4-5

Tot Ion:168 Resp: 226261

Ion Ratio Lower Upper

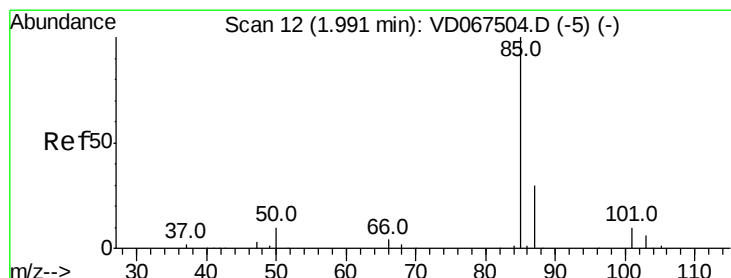
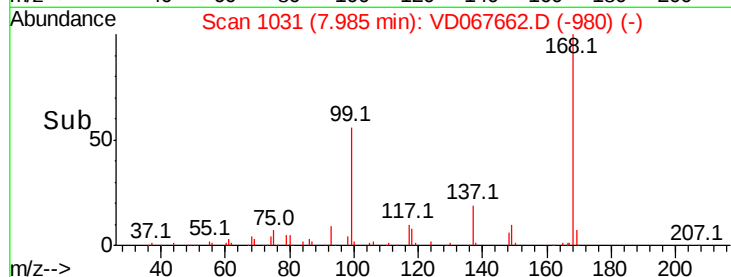
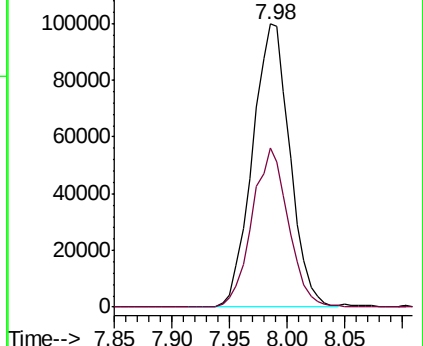
168 100

99 56.1 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: VD067662.D

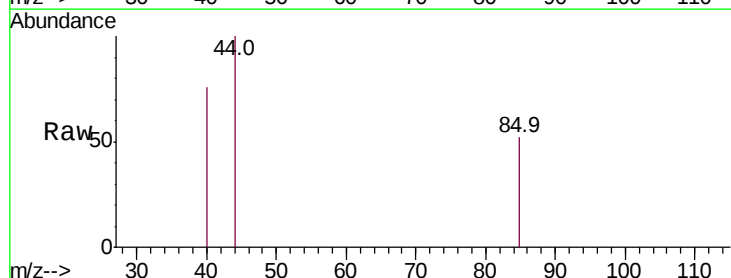
Acq: 17 Nov 2020 15:04

Tgt Ion: 85 Resp: 445

Ion Ratio Lower Upper

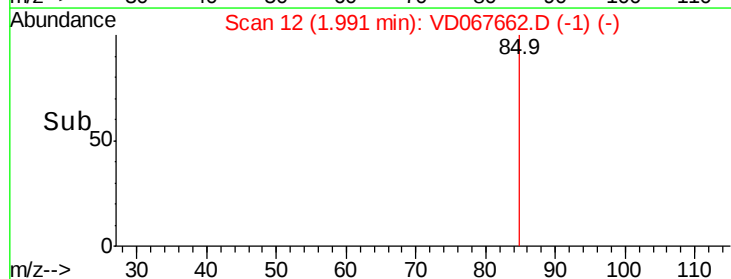
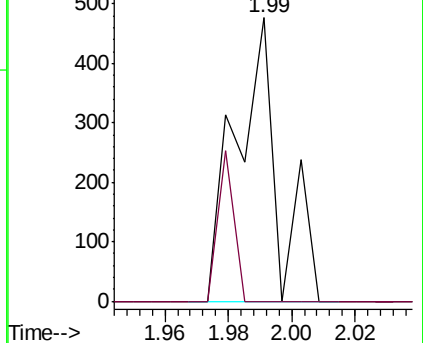
85 100

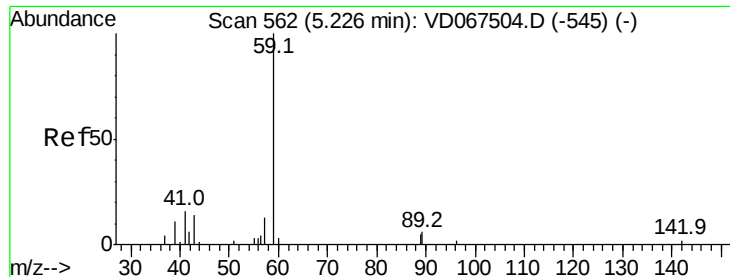
87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



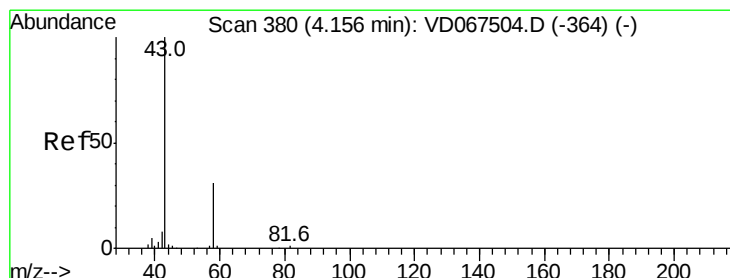
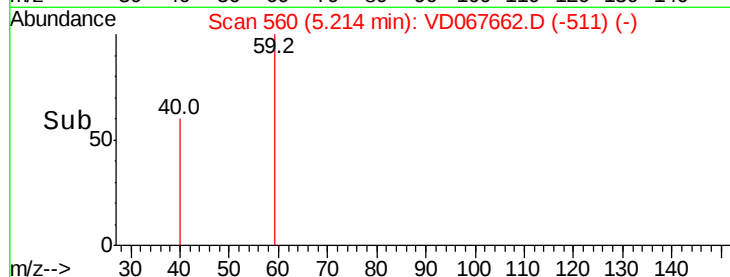
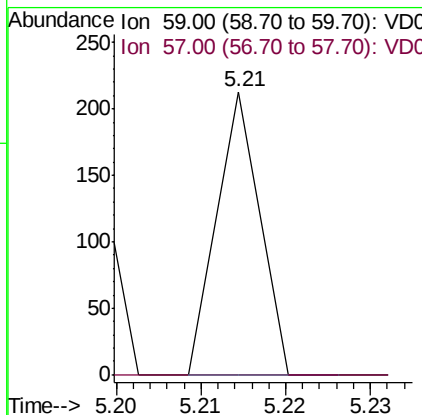
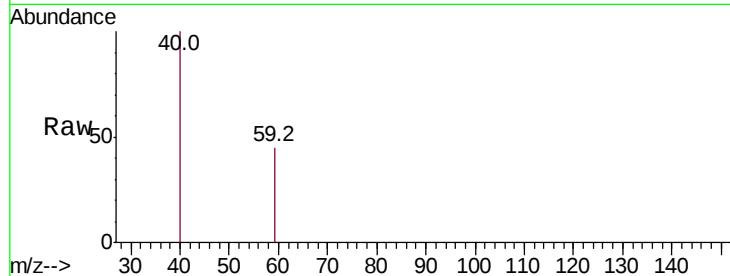


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067662.D
 Acq: 17 Nov 2020 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 CD-BH-01-4-5

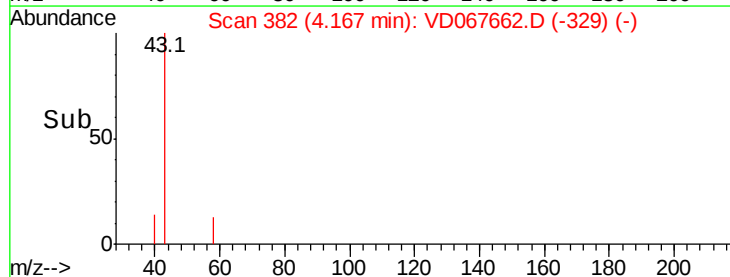
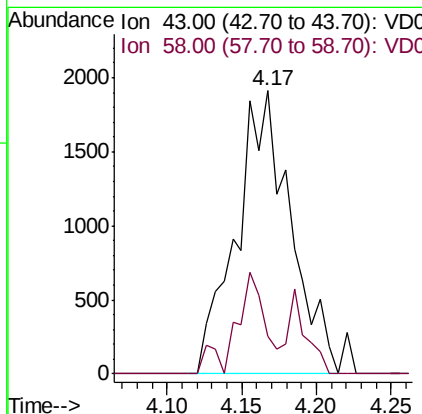
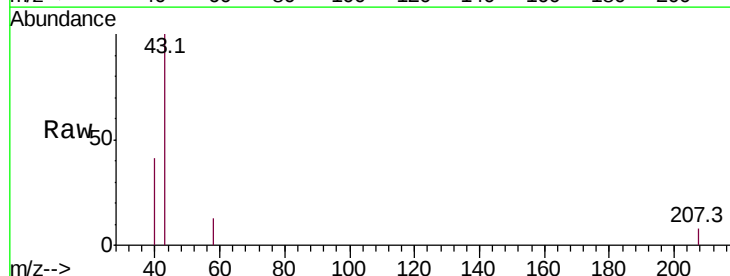
Tot Ion: 59 Resp: 75
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

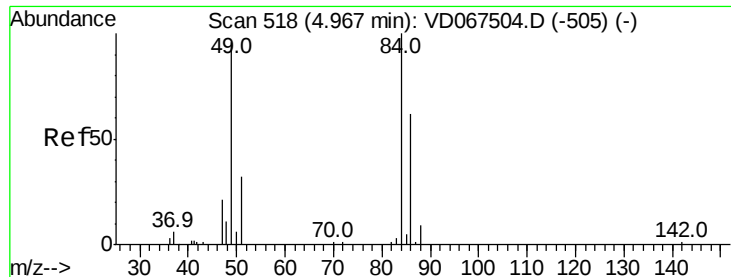


#16

Acetone
 Concen: 16.271 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD067662.D
 Acq: 17 Nov 2020 15:04

Tgt Ion: 43 Resp: 4817
 Ion Ratio Lower Upper
 43 100
 58 13.3 25.2 37.8#





#20

Methvlene Chloride

Concen: 3.907 ug/l

RT: 4.98 min Scan# 520

Delta R.T. 0.01 min

Lab File: VD067662.D

Acq: 17 Nov 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

CD-BH-01-4-5

Tot Ion: 84 Resp: 8171

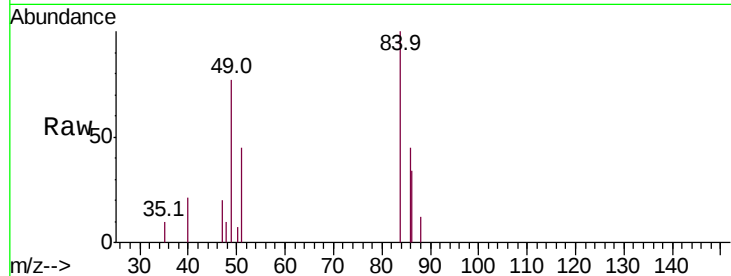
Ion Ratio Lower Upper

84 100

49 76.9 77.0 115.4#

51 44.6 25.4 38.2#

86 79.0 49.4 74.0#

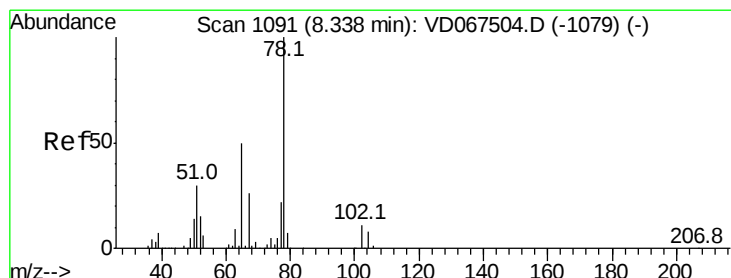
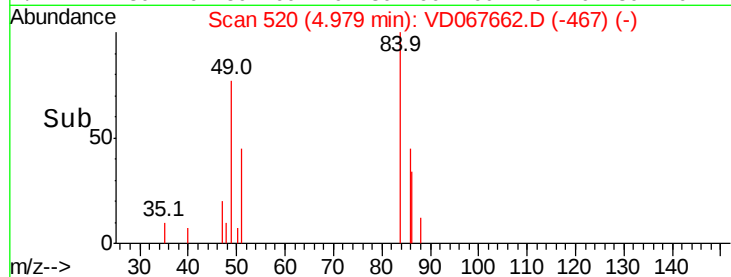
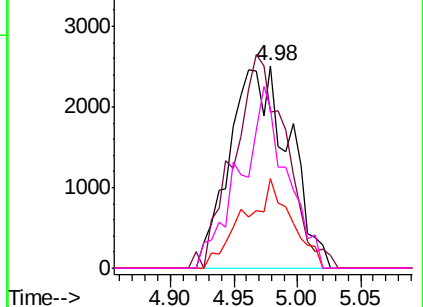


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#33

1,2-Dichloroethane-d4

Concen: 59.082 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067662.D

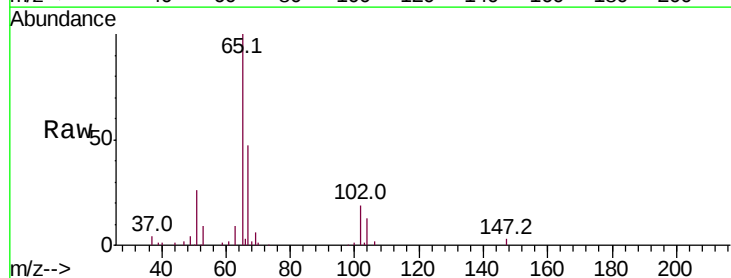
Acq: 17 Nov 2020 15:04

Tgt Ion: 65 Resp: 116888

Ion Ratio Lower Upper

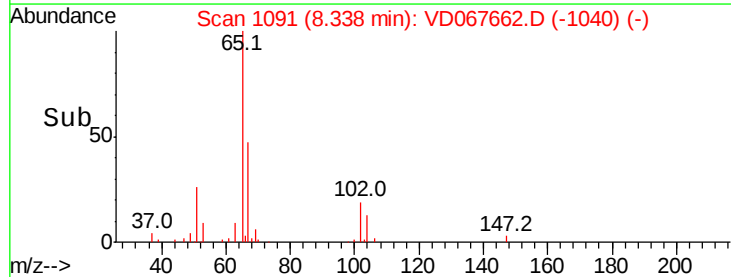
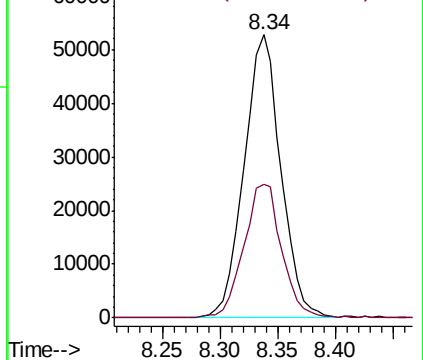
65 100

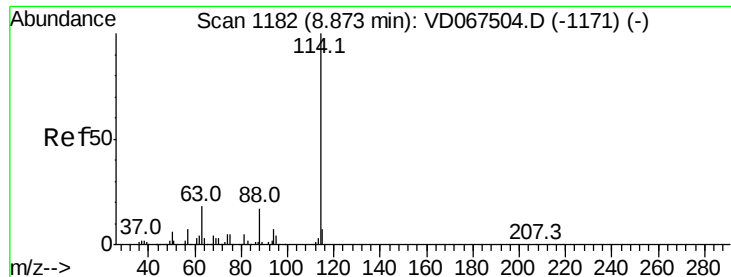
67 48.5 0.0 99.4



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

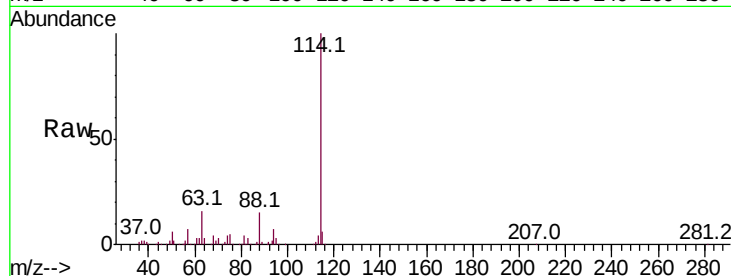
Lab File: VD067662.D

Acq: 17 Nov 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
CD-BH-01-4-5

Tot Ion:114 Resp: 375232

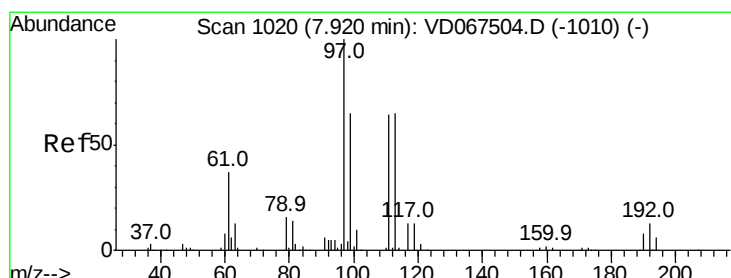
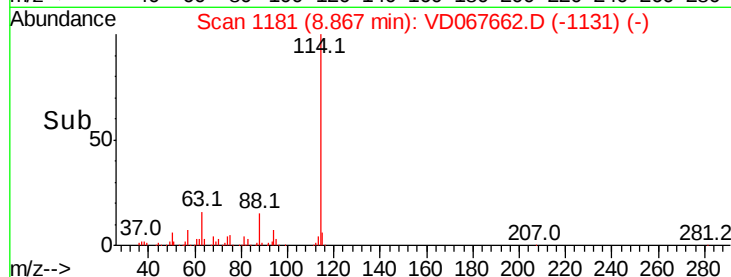
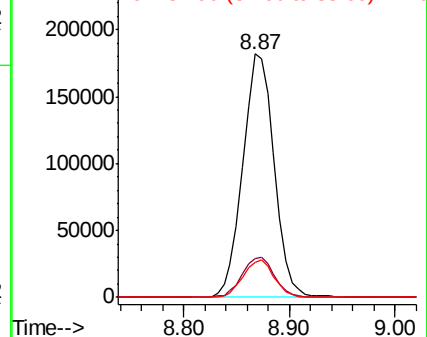
Ion	Ratio	Lower	Upper
114	100		
63	16.1	0.0	35.0
88	14.6	0.0	33.0



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: 52.871 ug/l

RT: 7.92 min Scan# 1020

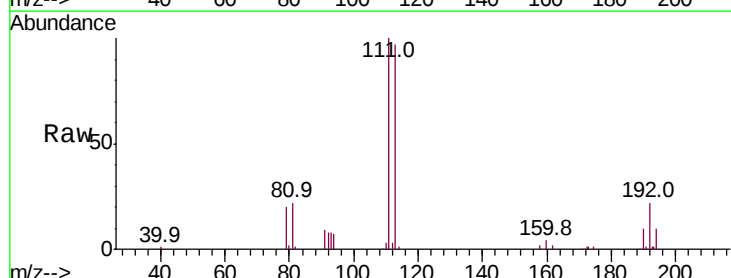
Delta R.T. -0.00 min

Lab File: VD067662.D

Acq: 17 Nov 2020 15:04

Tgt Ion:113 Resp: 119529

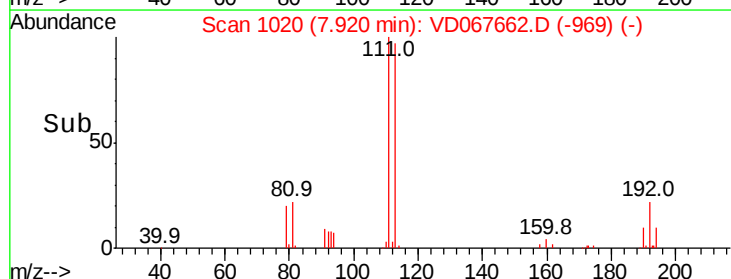
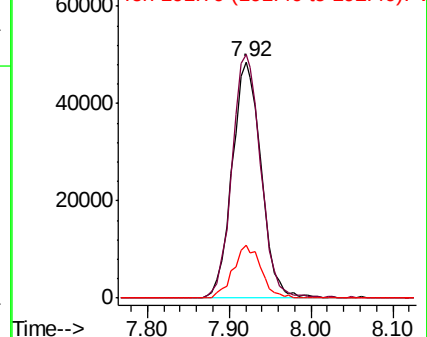
Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.0	120.0
192	21.5	16.3	24.5

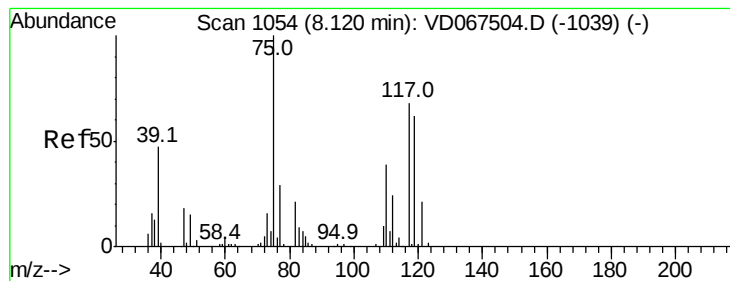


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.855 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067662.D

Acq: 17 Nov 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

CD-BH-01-4-5

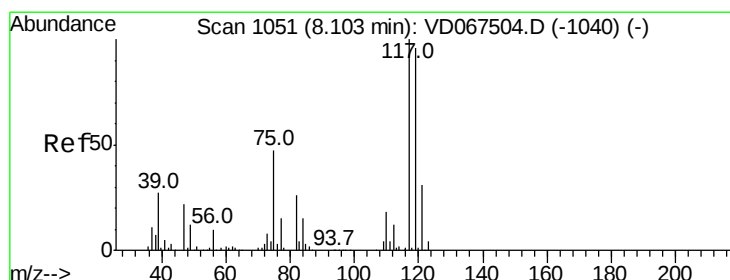
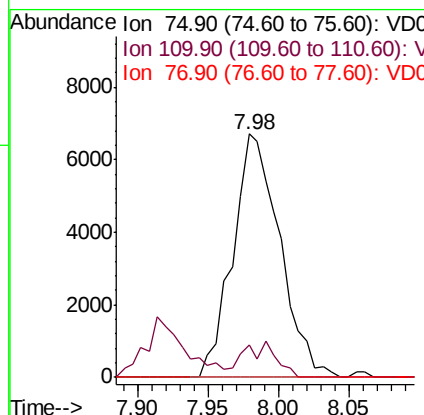
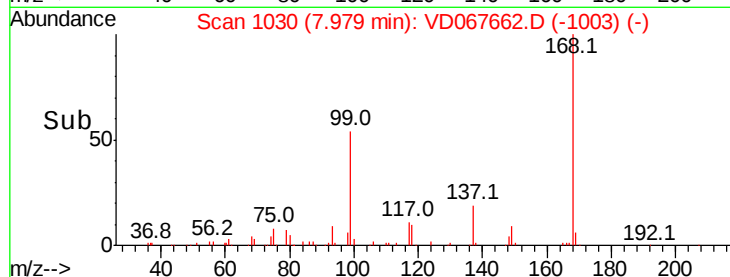
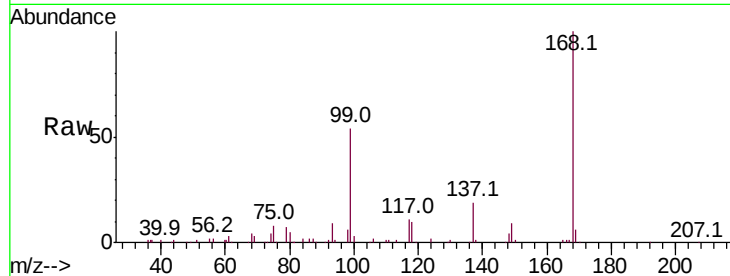
Tot Ion: 75 Resp: 15594

Ion Ratio Lower Upper

75 100

110 3.2 19.9 59.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.627 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067662.D

Acq: 17 Nov 2020 15:04

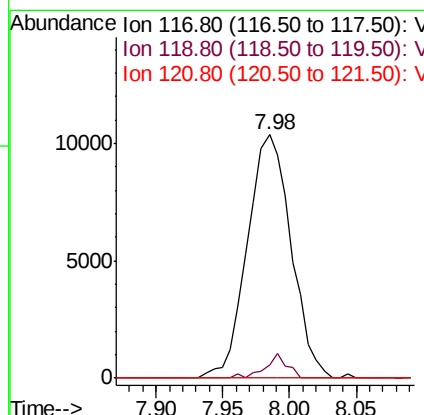
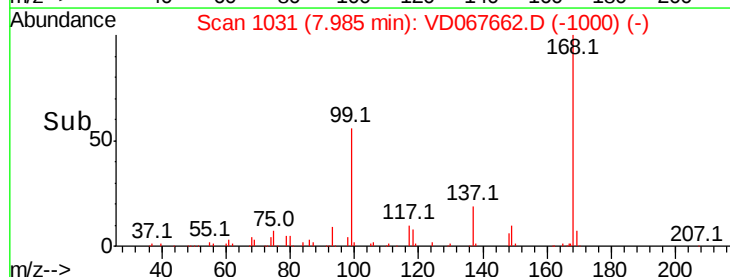
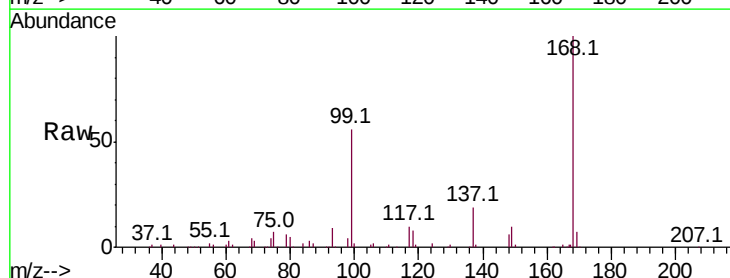
Tgt Ion: 117 Resp: 23483

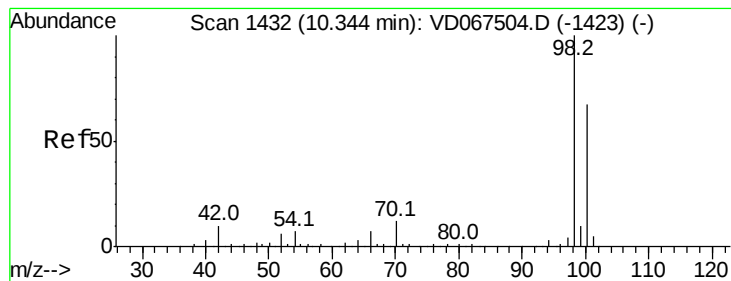
Ion Ratio Lower Upper

117 100

119 5.2 76.9 115.3#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 57.319 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067662.D

Acq: 17 Nov 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

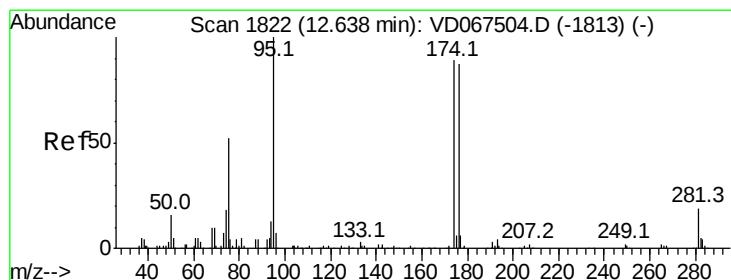
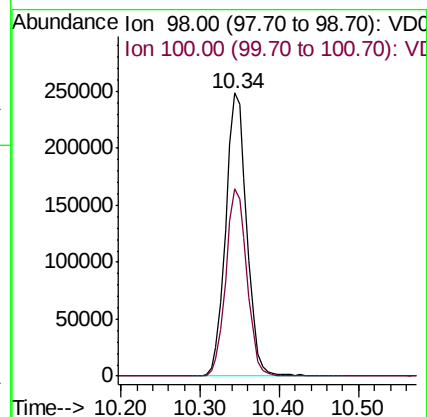
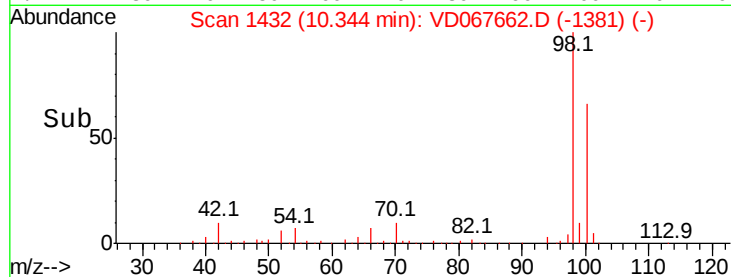
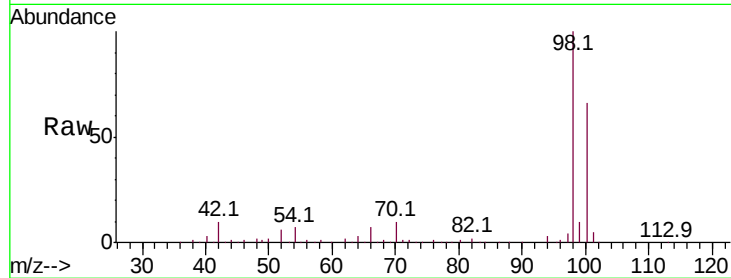
CD-BH-01-4-5

Tot Ion: 98 Resp: 455394

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 63.799 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067662.D

Acq: 17 Nov 2020 15:04

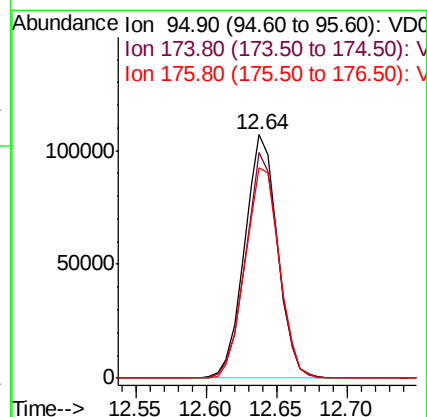
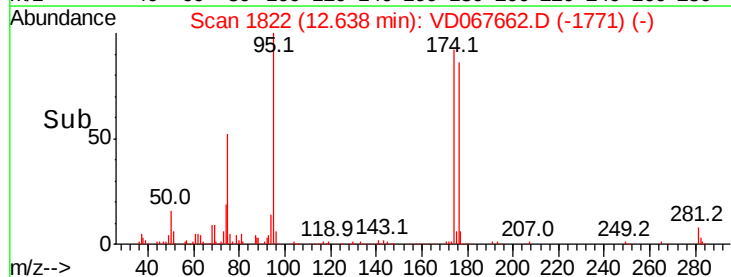
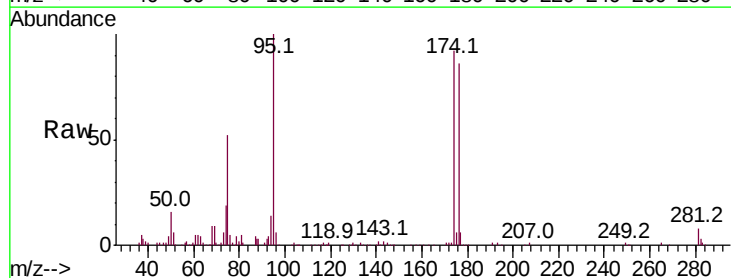
Tgt Ion: 95 Resp: 174997

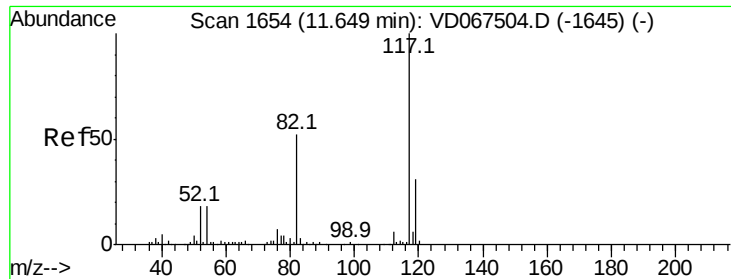
Ion Ratio Lower Upper

95 100

174 92.1 0.0 177.8

176 89.5 0.0 172.0

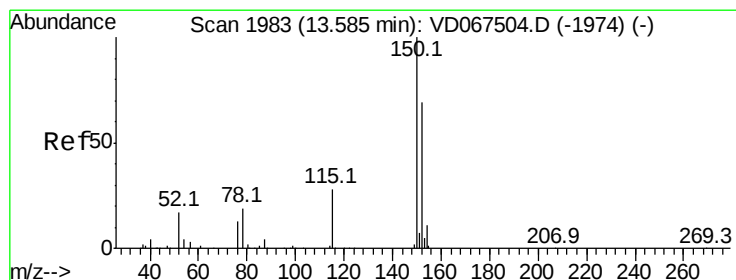
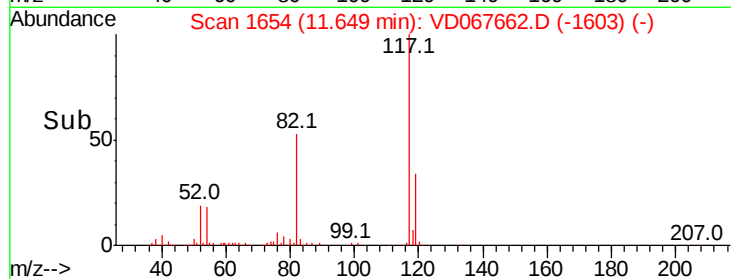
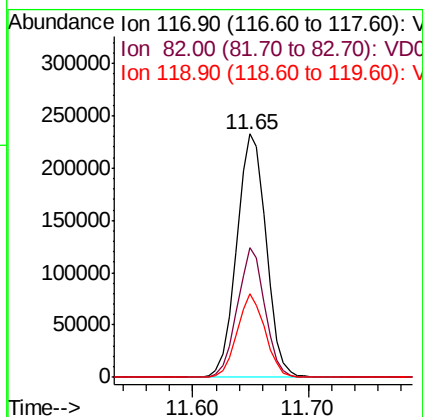
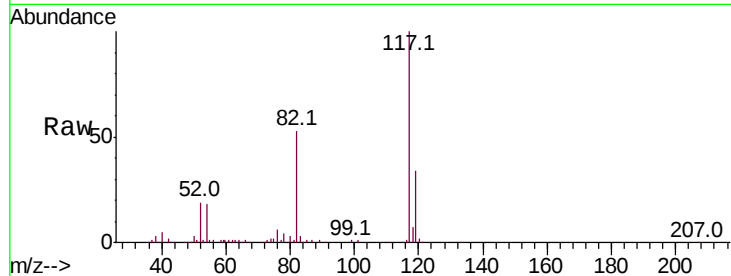




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067662.D
Acq: 17 Nov 2020 15:04

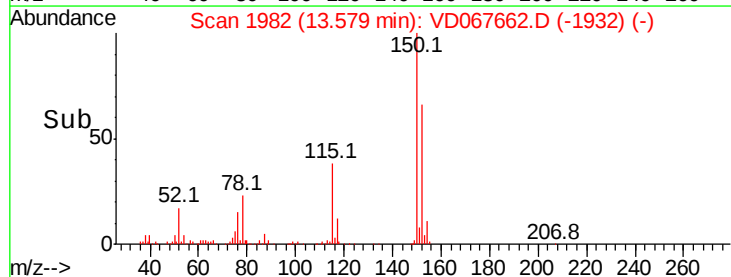
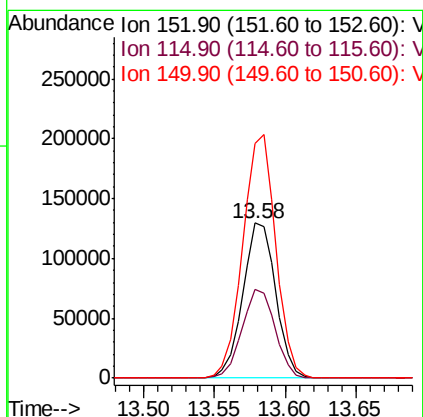
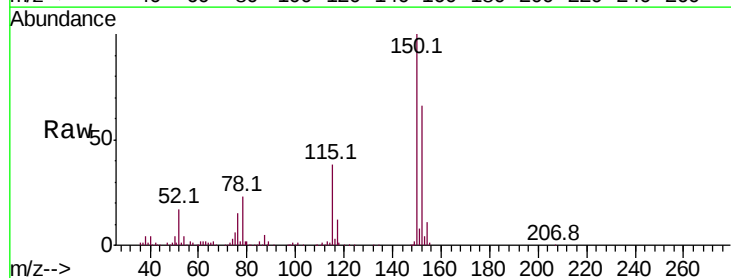
Instrument :
MSVOA_D
ClientSampleId :
CD-BH-01-4-5

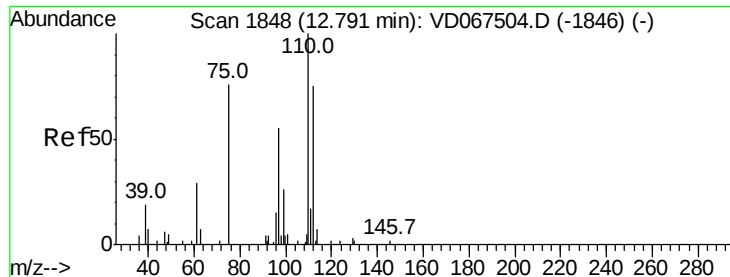
Tot Ion:117 Resp: 410002
Ion Ratio Lower Upper
117 100
82 53.5 41.6 62.4
119 34.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067662.D
Acq: 17 Nov 2020 15:04

Tgt Ion:152 Resp: 212619
Ion Ratio Lower Upper
152 100
115 57.3 29.3 88.0
150 156.0 0.0 338.2

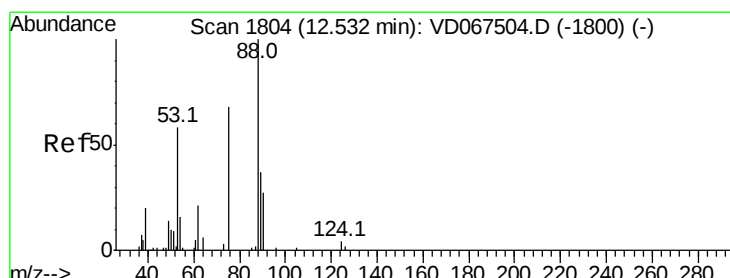
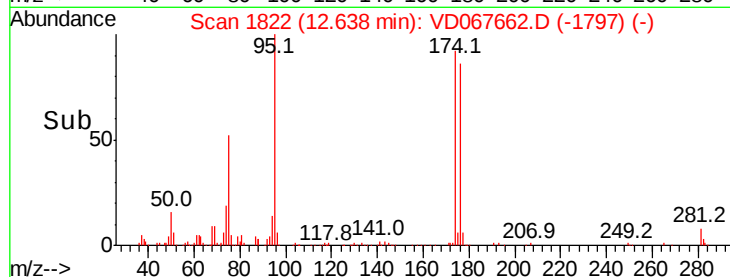
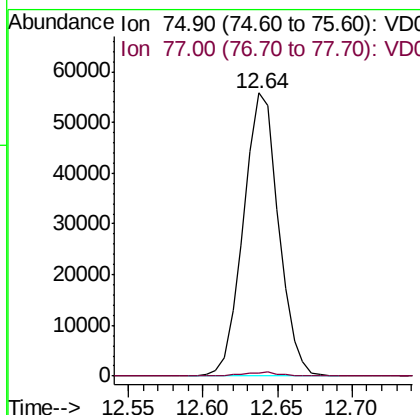
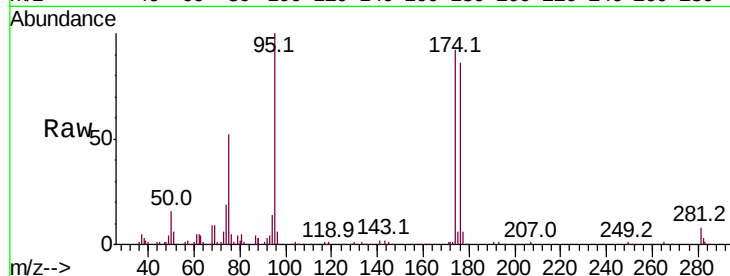




#76
 1,2,3-Trichloropropane
 Concen: 70.982 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067662.D
 Acq: 17 Nov 2020 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 CD-BH-01-4-5

Tot Ion: 75 Resp: 91044
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.112 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067662.D
 Acq: 17 Nov 2020 15:04

Tgt Ion: 75 Resp: 91044
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.9 113.9#
 89 0.1 44.6 67.0#

