

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111720\
 Data File : VD067665.D
 Acq On : 17 Nov 2020 16:26
 Operator : VA/SY
 Sample : L4771-12
 Misc : 4.54G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CD-BH-02-4-5

Quant Time: Nov 17 23:59:15 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	257819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	422133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	456396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	238251	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	129220	57.32	ug/l	0.00
Spiked Amount			Recovery	=	114.64%	
35) Dibromofluoromethane	7.92	113	134932	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
50) Toluene-d8	10.35	98	507379	56.77	ug/l	0.00
Spiked Amount			Recovery	=	113.54%	
62) 4-Bromofluorobenzene	12.64	95	198416	64.30	ug/l	0.00
Spiked Amount			Recovery	=	128.60%	

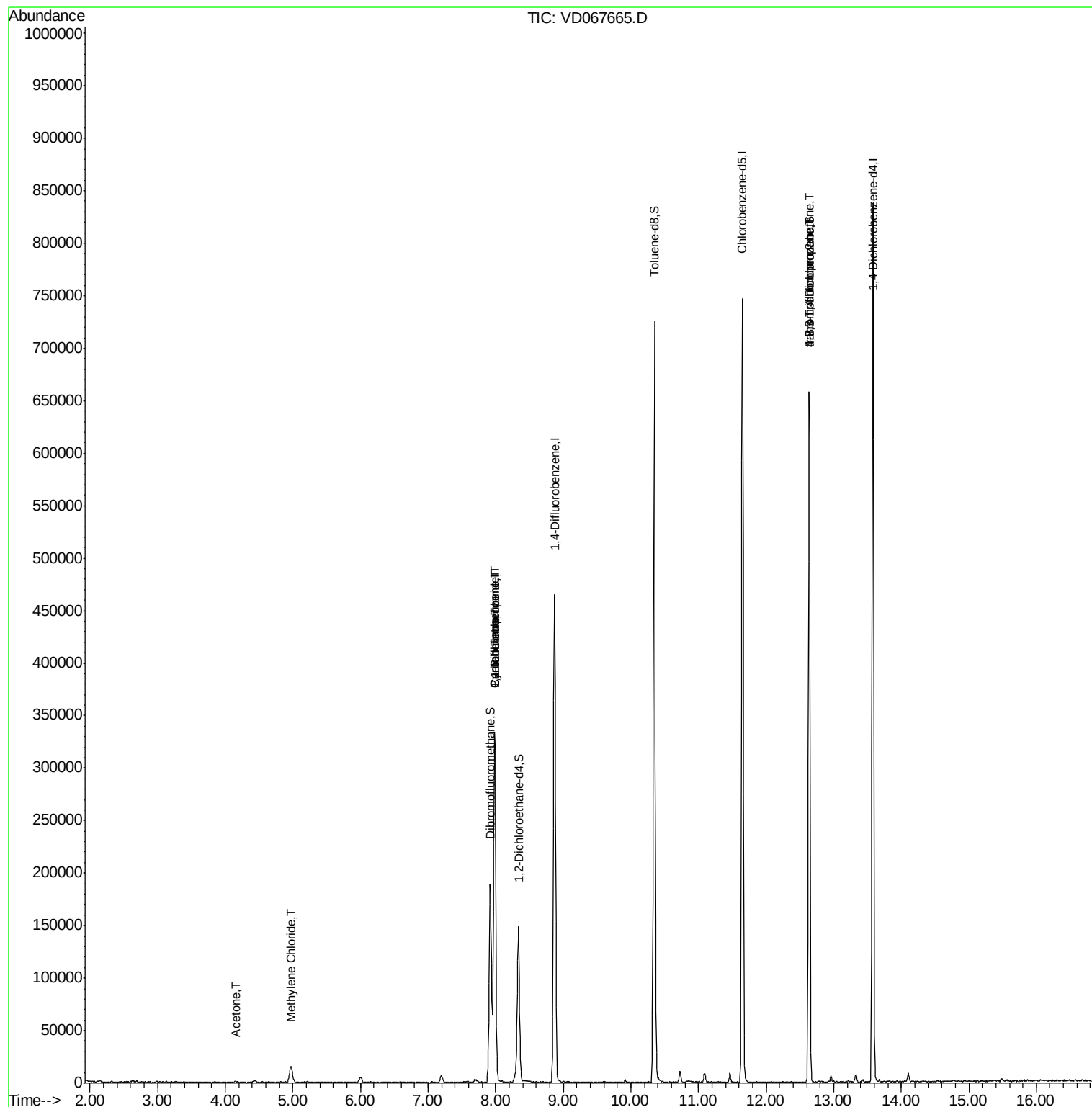
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	67	Below Cal	#	44
11) Tert butyl alcohol	5.21	59	720	Below Cal	#	79
16) Acetone	4.16	43	1276	3.782	ug/l	97
20) Methylene Chloride	4.97	84	13650	5.728	ug/l #	88
31) Cyclohexane	7.98	56	5142	1.573	ug/l #	31
36) 1,1-Dichloropropene	7.98	75	17230	4.768	ug/l #	49
38) Carbon Tetrachloride	7.99	117	26744	5.697	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	104867	72.963	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	104867	148.134	ug/l #	10

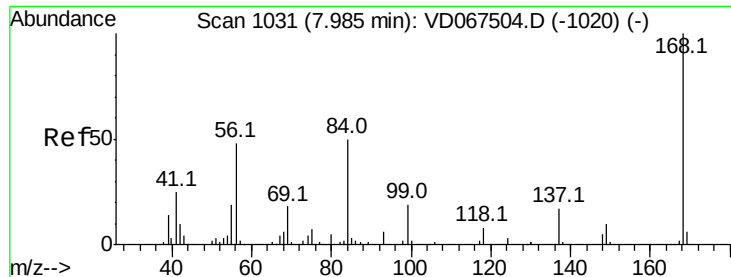
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067665.D

Acq: 17 Nov 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

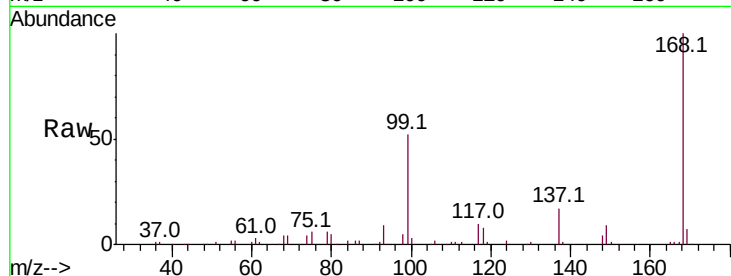
CD-BH-02-4-5

Tot Ion:168 Resp: 257819

Ion Ratio Lower Upper

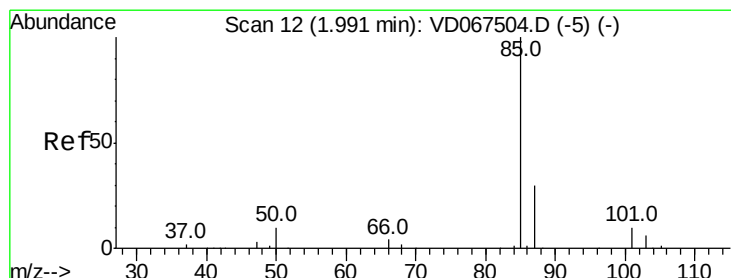
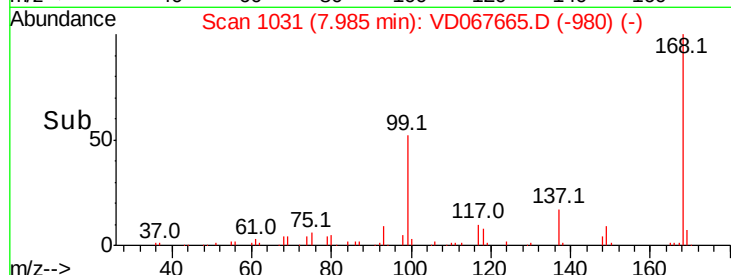
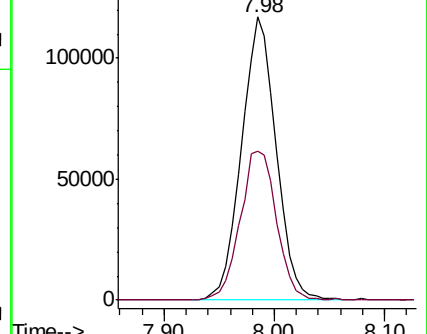
168 100

99 52.5 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: VD067665.D

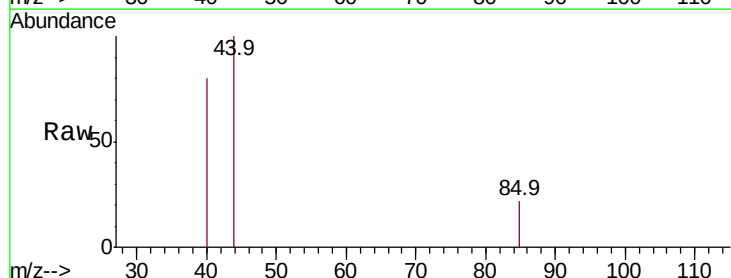
Acq: 17 Nov 2020 16:26

Tgt Ion: 85 Resp: 67

Ion Ratio Lower Upper

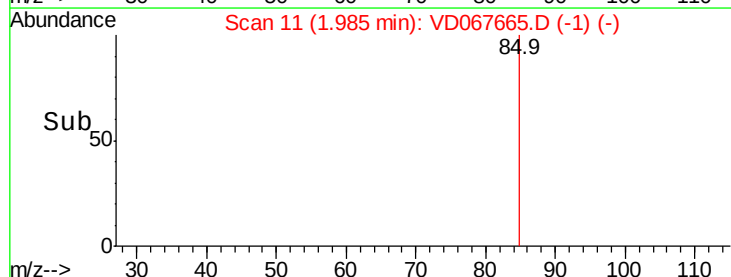
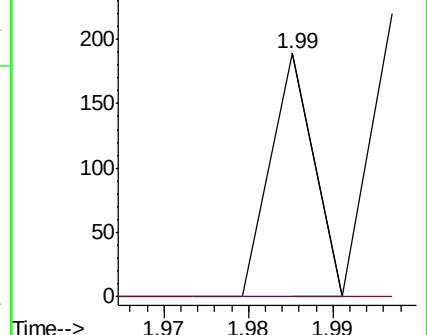
85 100

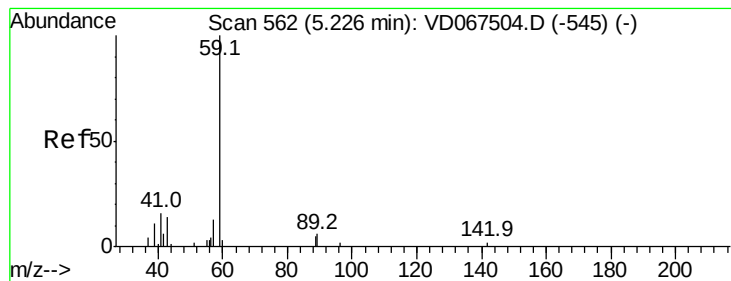
87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



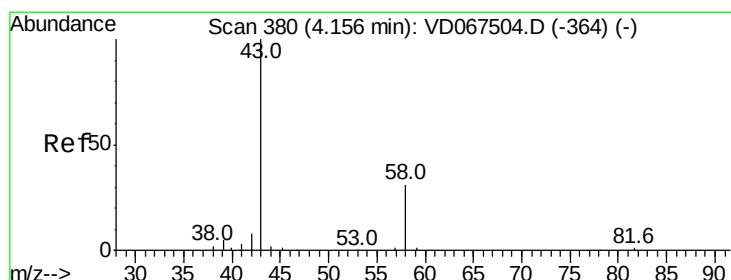
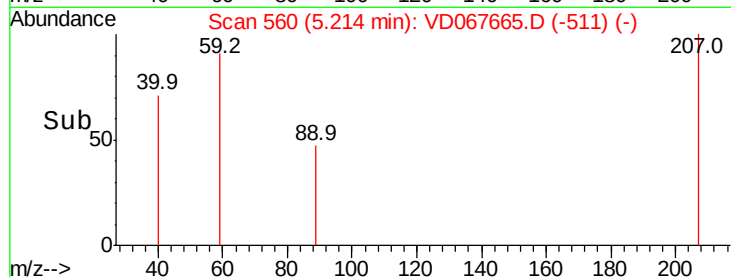
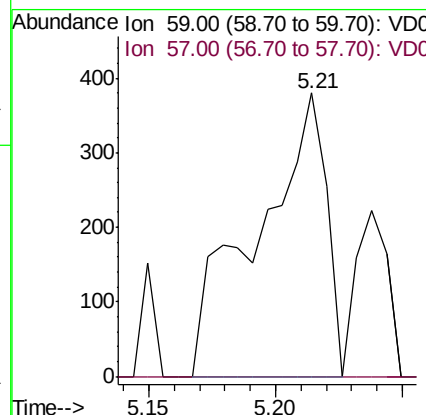
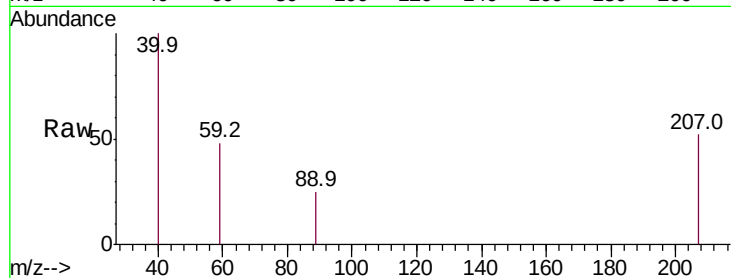


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067665.D
 Acq: 17 Nov 2020 16:26

Instrument :
 MSVOA_D
 ClientSampleId :
 CD-BH-02-4-5

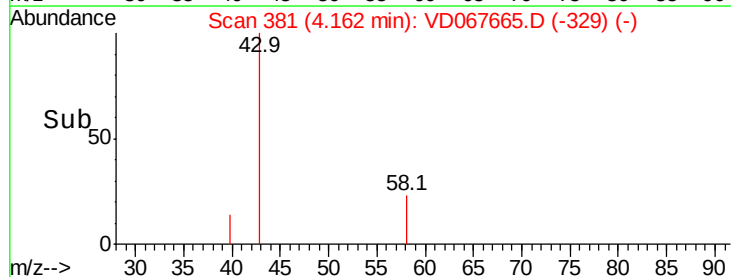
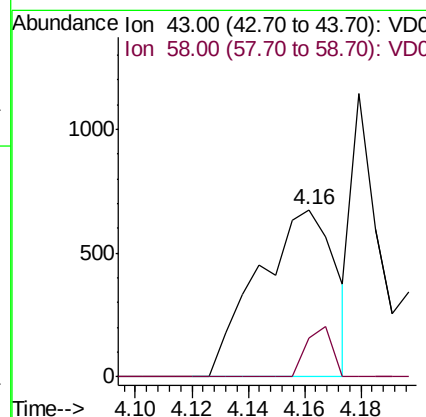
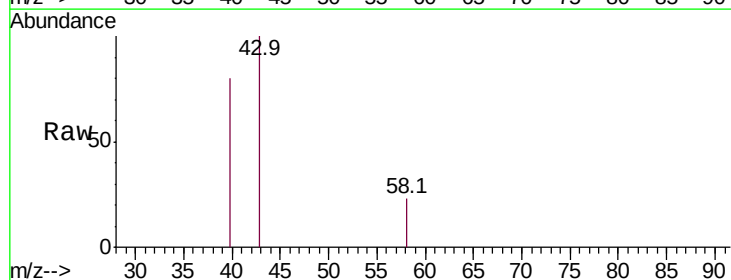
Tot Ion: 59 Resp: 720
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

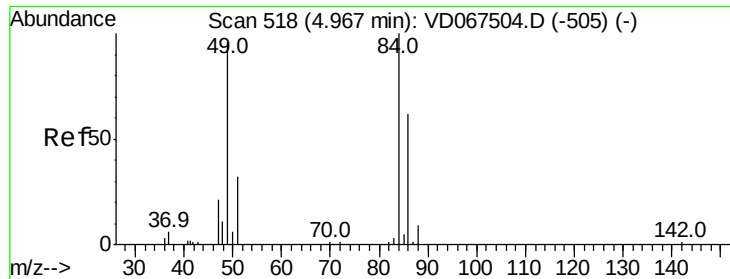


#16

Acetone
 Concen: 3.782 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD067665.D
 Acq: 17 Nov 2020 16:26

Tgt Ion: 43 Resp: 1276
 Ion Ratio Lower Upper
 43 100
 58 33.3 25.2 37.8

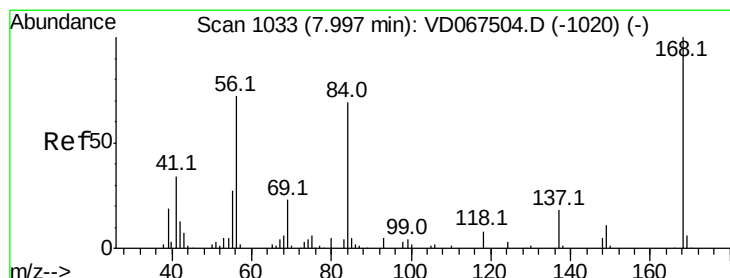
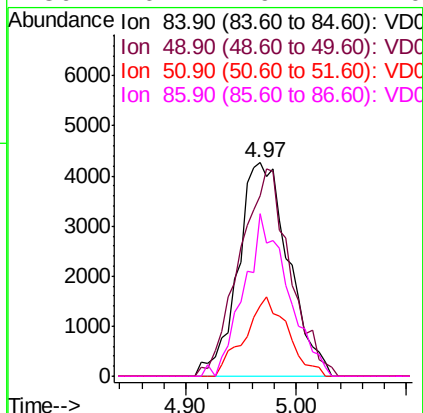
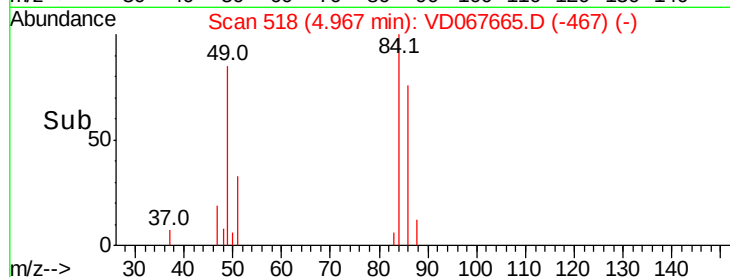
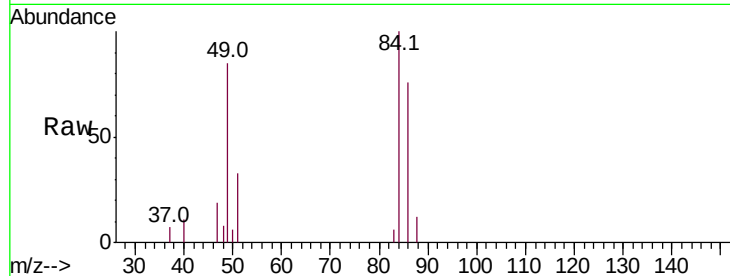




#20
Methylene Chloride
Concen: 5.728 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067665.D
Acq: 17 Nov 2020 16:26

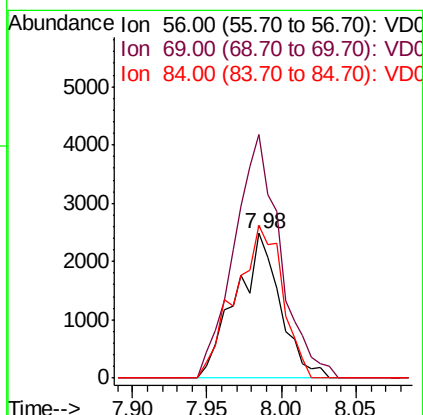
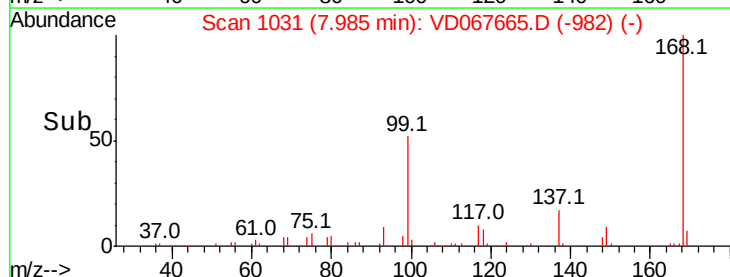
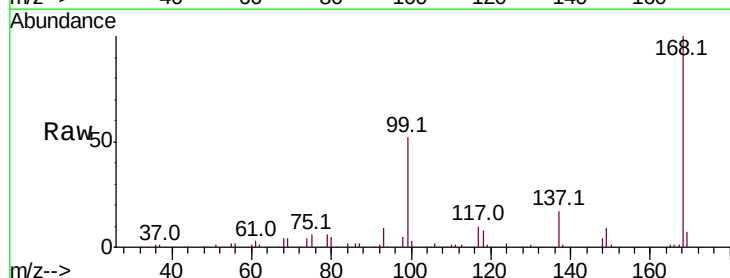
Instrument :
MSVOA_D
ClientSampleId :
CD-BH-02-4-5

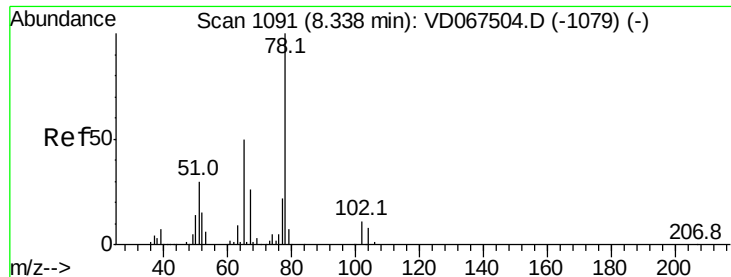
Tot Ion: 84 Resp: 13650
Ion Ratio Lower Upper
84 100
49 84.7 77.0 115.4
51 33.1 25.4 38.2
86 76.1 49.4 74.0#



#31
Cyclohexane
Concen: 1.573 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067665.D
Acq: 17 Nov 2020 16:26

Tgt Ion: 56 Resp: 5142
Ion Ratio Lower Upper
56 100
69 168.0 25.9 38.9#
84 105.1 76.2 114.4

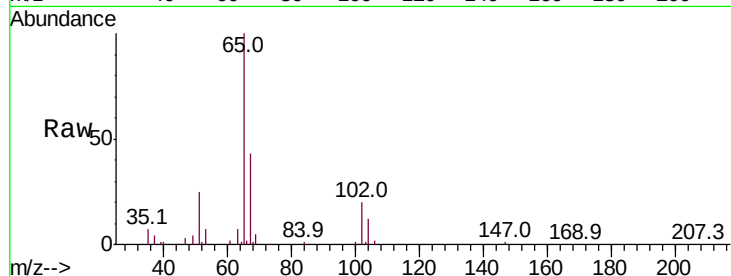




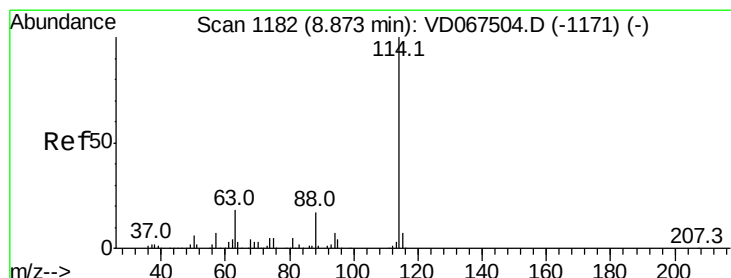
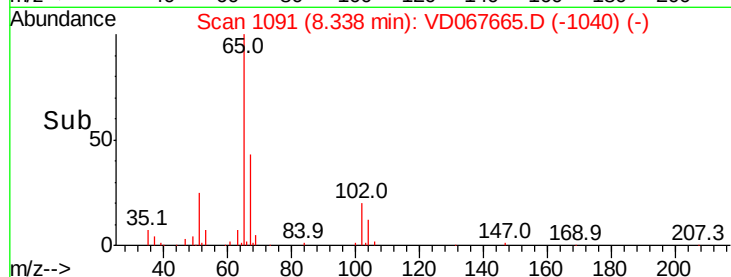
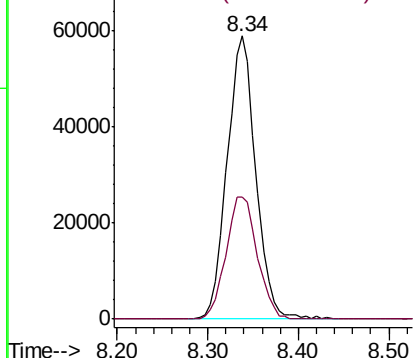
#33
 1,2-Dichloroethane-d4
 Concen: 57.320 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067665.D
 Acq: 17 Nov 2020 16:26

Instrument :
 MSVOA_D
 ClientSampleId :
 CD-BH-02-4-5

Tot Ion: 65 Resp: 129220
 Ion Ratio Lower Upper
 65 100
 67 47.0 0.0 99.4

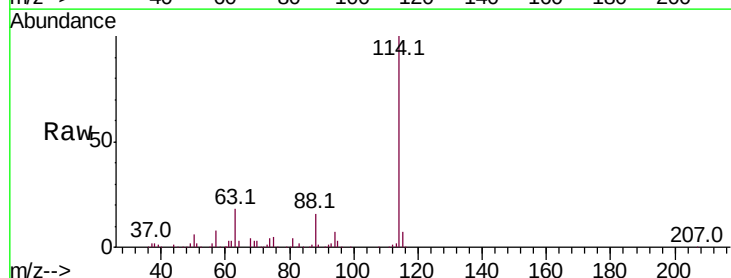


Abundance Ion 64.90 (64.60 to 65.60): VDC
 Ion 66.90 (66.60 to 67.60): VDC

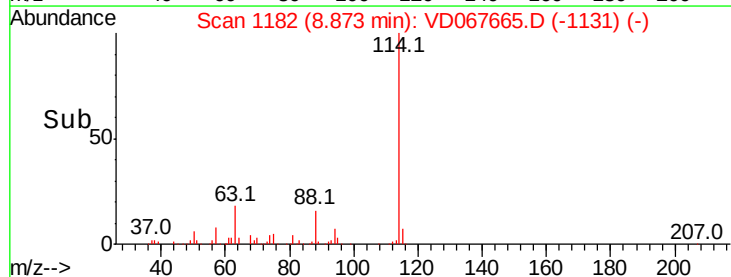
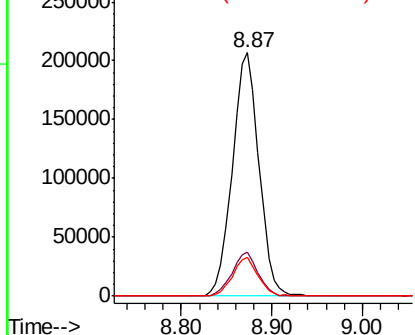


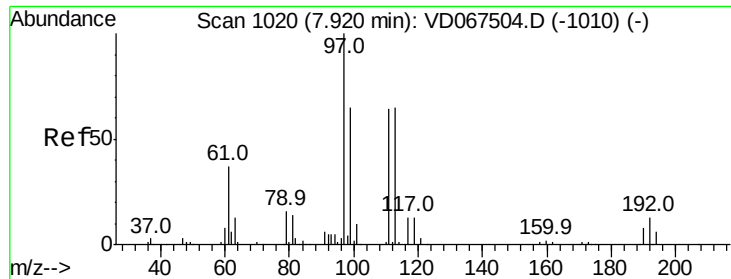
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VD067665.D
 Acq: 17 Nov 2020 16:26

Tgt Ion: 114 Resp: 422133
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.0
 88 16.1 0.0 33.0



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

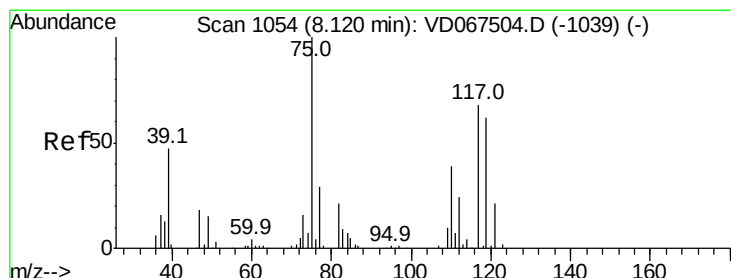
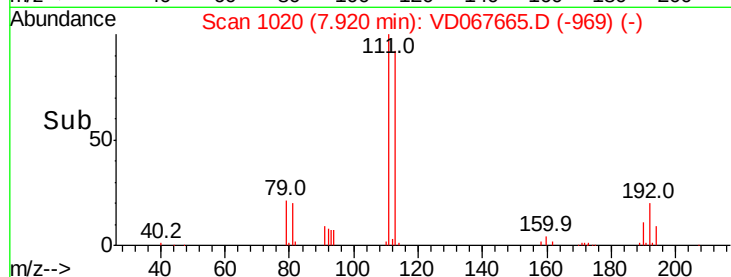
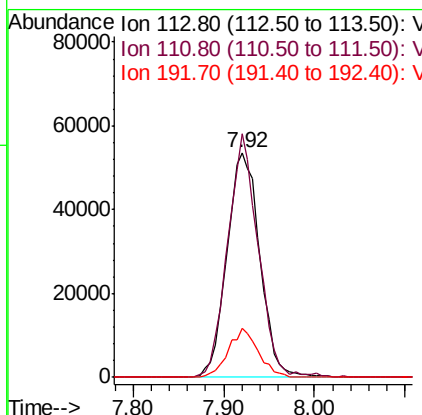
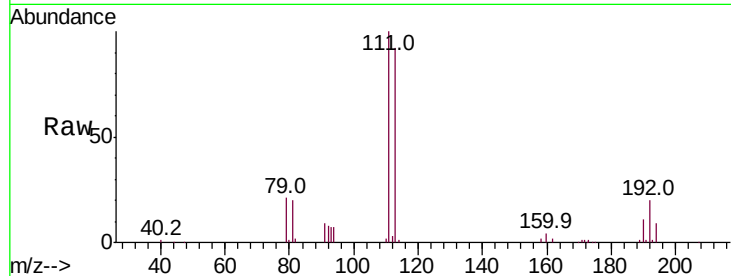




#35
 Dibromofluoromethane
 Concen: 53.053 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067665.D
 Acq: 17 Nov 2020 16:26

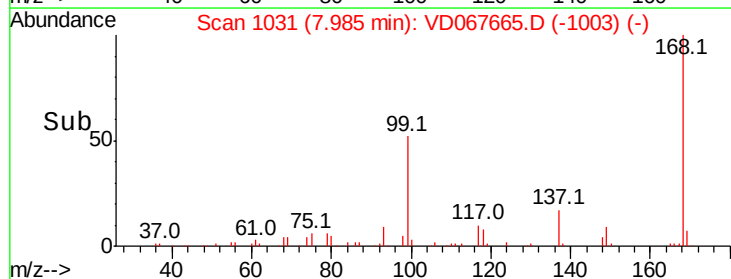
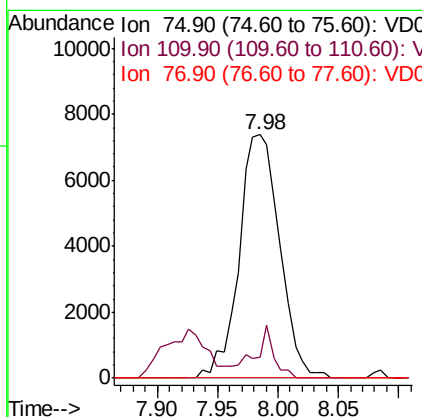
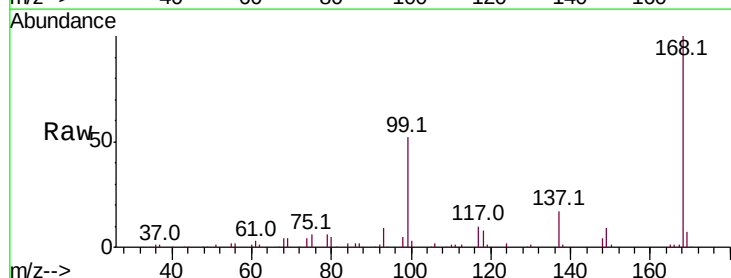
Instrument :
 MSVOA_D
 ClientSampleId :
 CD-BH-02-4-5

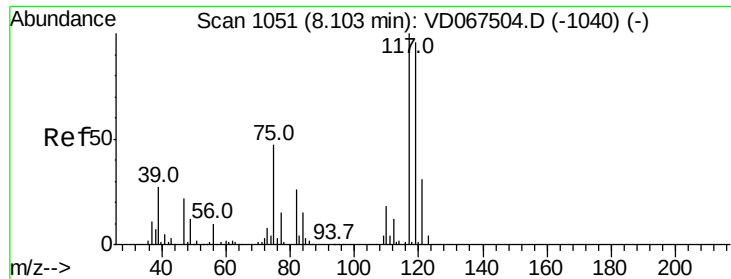
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.2	80.0	120.0
192	20.0	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 4.768 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.14 min
 Lab File: VD067665.D
 Acq: 17 Nov 2020 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	19.9	59.7#
77	0.0	24.8	37.2#

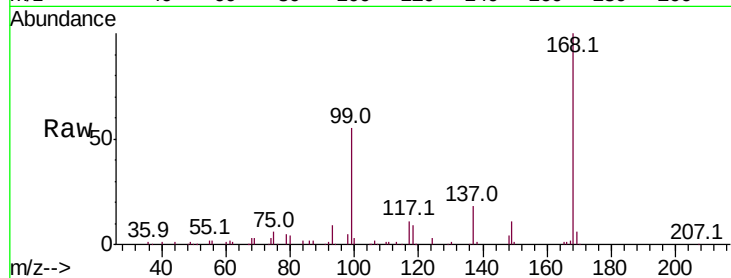




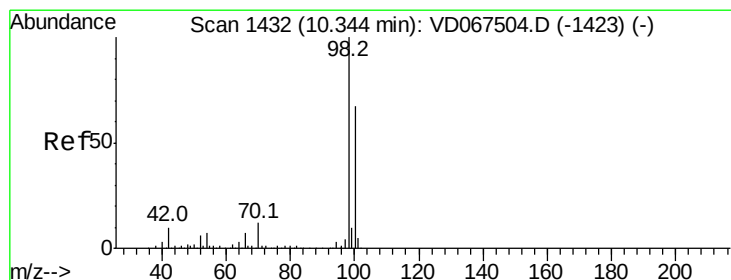
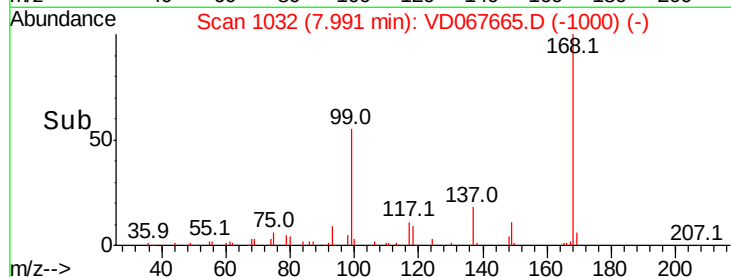
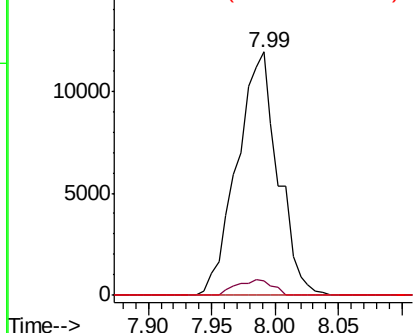
#38
Carbon Tetrachloride
Concen: 5.697 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.11 min
Lab File: VD067665.D
Acq: 17 Nov 2020 16:26

Instrument :
MSVOA_D
ClientSampleId :
CD-BH-02-4-5

Tot Ion:117 Resp: 26744
Ion Ratio Lower Upper
117 100
119 6.1 76.9 115.3#
121 0.0 24.5 36.7#

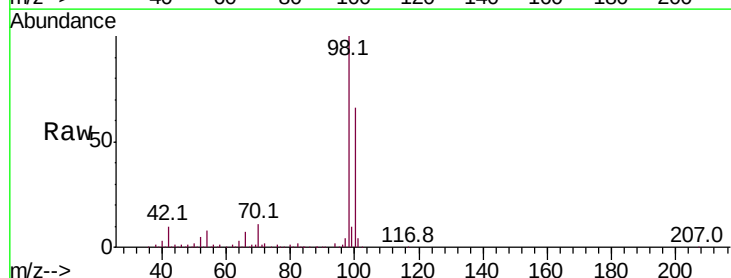


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

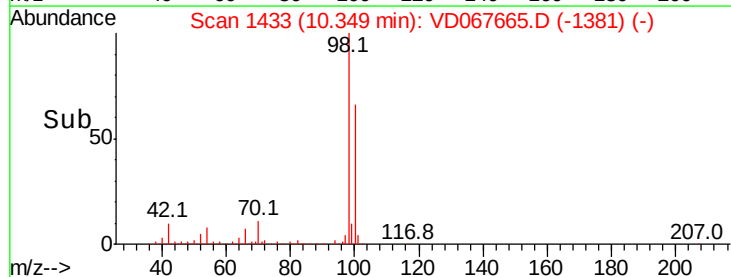
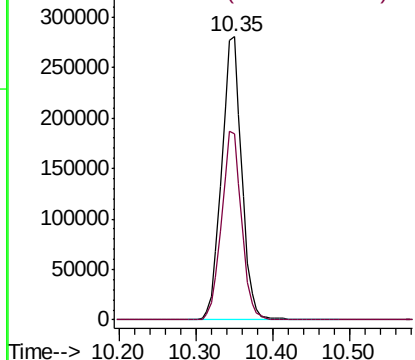


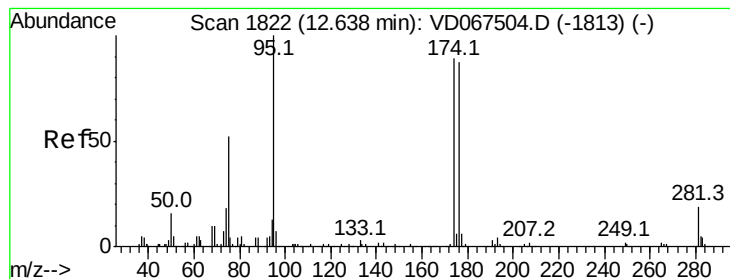
#50
Toluene-d8
Concen: 56.767 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.01 min
Lab File: VD067665.D
Acq: 17 Nov 2020 16:26

Tgt Ion: 98 Resp: 507379
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.6



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





#62

4-Bromofluorobenzene

Concen: 64.300 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067665.D

Acq: 17 Nov 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

CD-BH-02-4-5

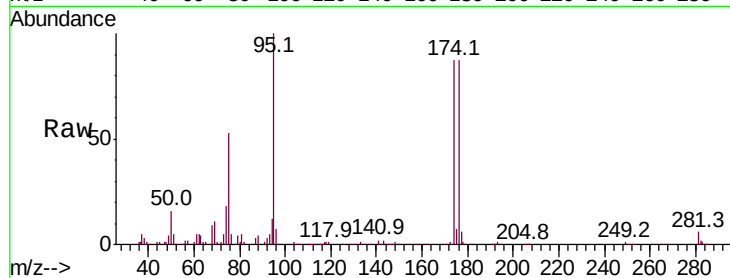
Tot Ion: 95 Resp: 198416

Ion Ratio Lower Upper

95 100

174 92.7 0.0 177.8

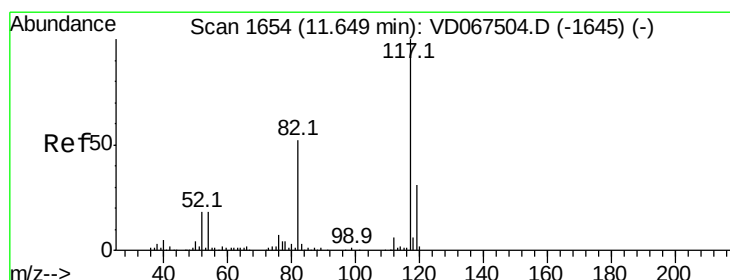
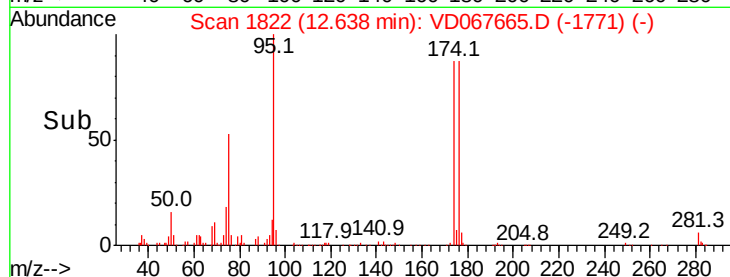
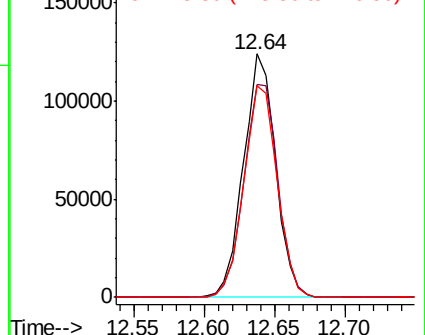
176 90.1 0.0 172.0



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: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD067665.D

Acq: 17 Nov 2020 16:26

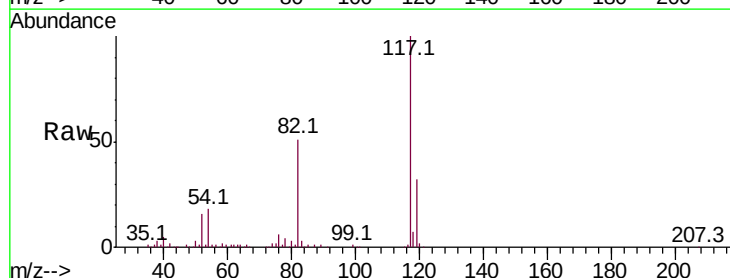
Tgt Ion: 117 Resp: 456396

Ion Ratio Lower Upper

117 100

82 51.3 41.6 62.4

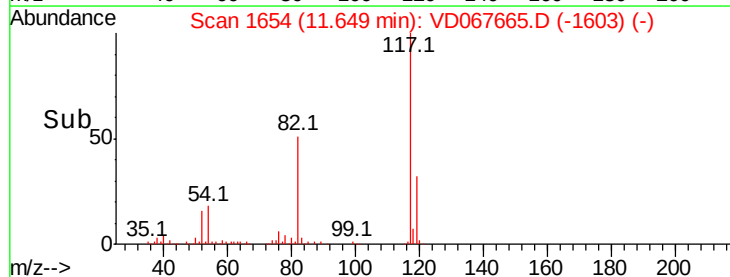
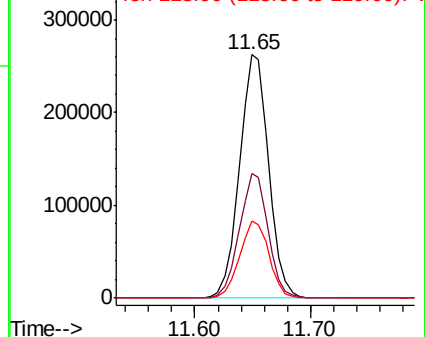
119 31.9 25.1 37.7

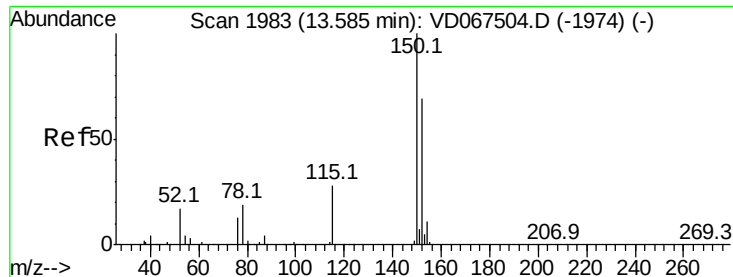


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD067665.D

Acq: 17 Nov 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

CD-BH-02-4-5

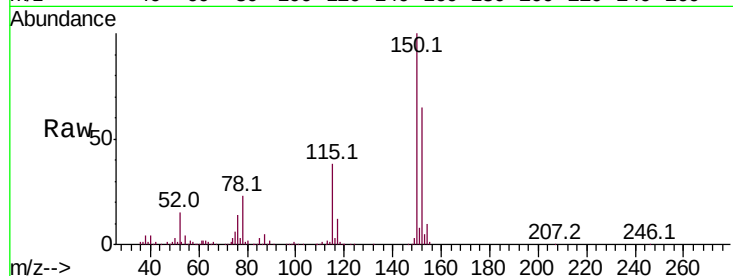
Tot Ion:152 Resp: 238251

Ion Ratio Lower Upper

152 100

115 59.1 29.3 88.0

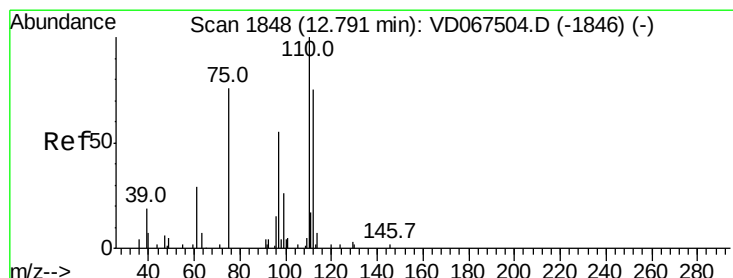
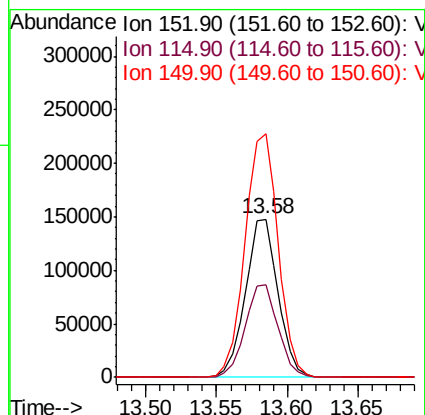
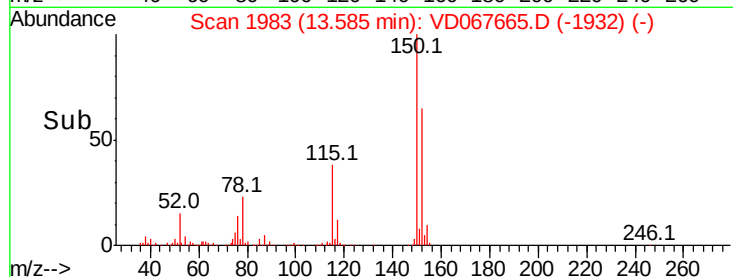
150 157.4 0.0 338.2



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: 72.963 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067665.D

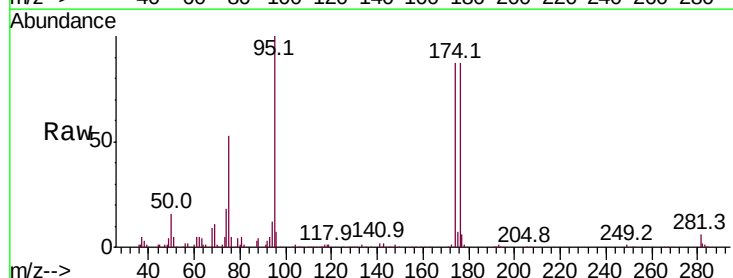
Acq: 17 Nov 2020 16:26

Tgt Ion: 75 Resp: 104867

Ion Ratio Lower Upper

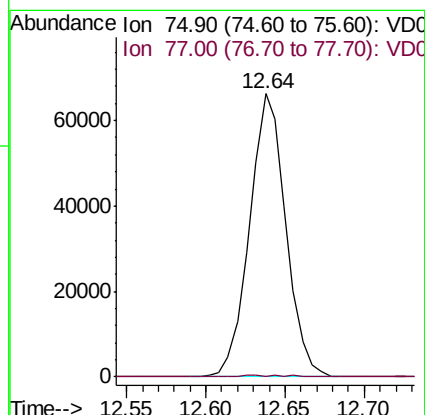
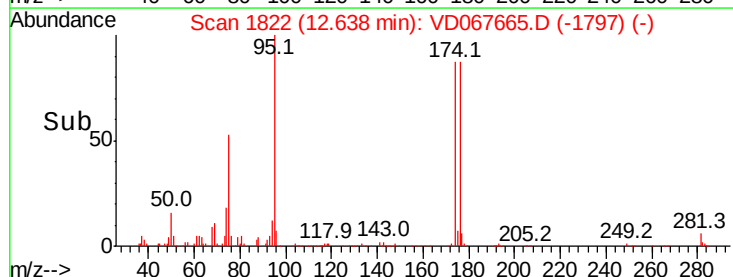
75 100

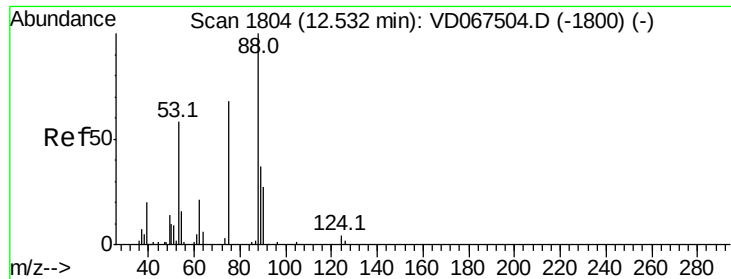
77 0.3 0.0 0.0#



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: 148.134 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067665.D

Acq: 17 Nov 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

CD-BH-02-4-5

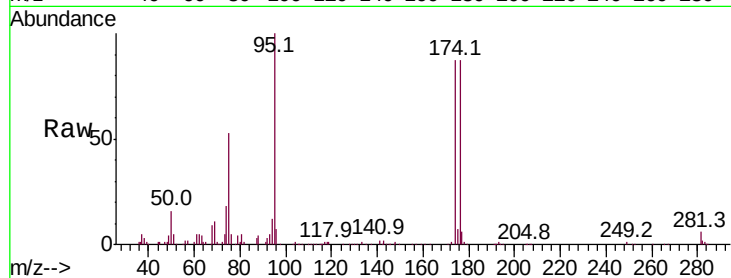
Tot Ion: 75 Resp: 104867

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

