

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067257.D
 Acq On : 13 Oct 2020 17:31
 Operator : VA/SY
 Sample : L4372-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-HADLEY

Quant Time: Oct 14 02:12:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 13:05:03 2020
 Response via : Initial Calibration

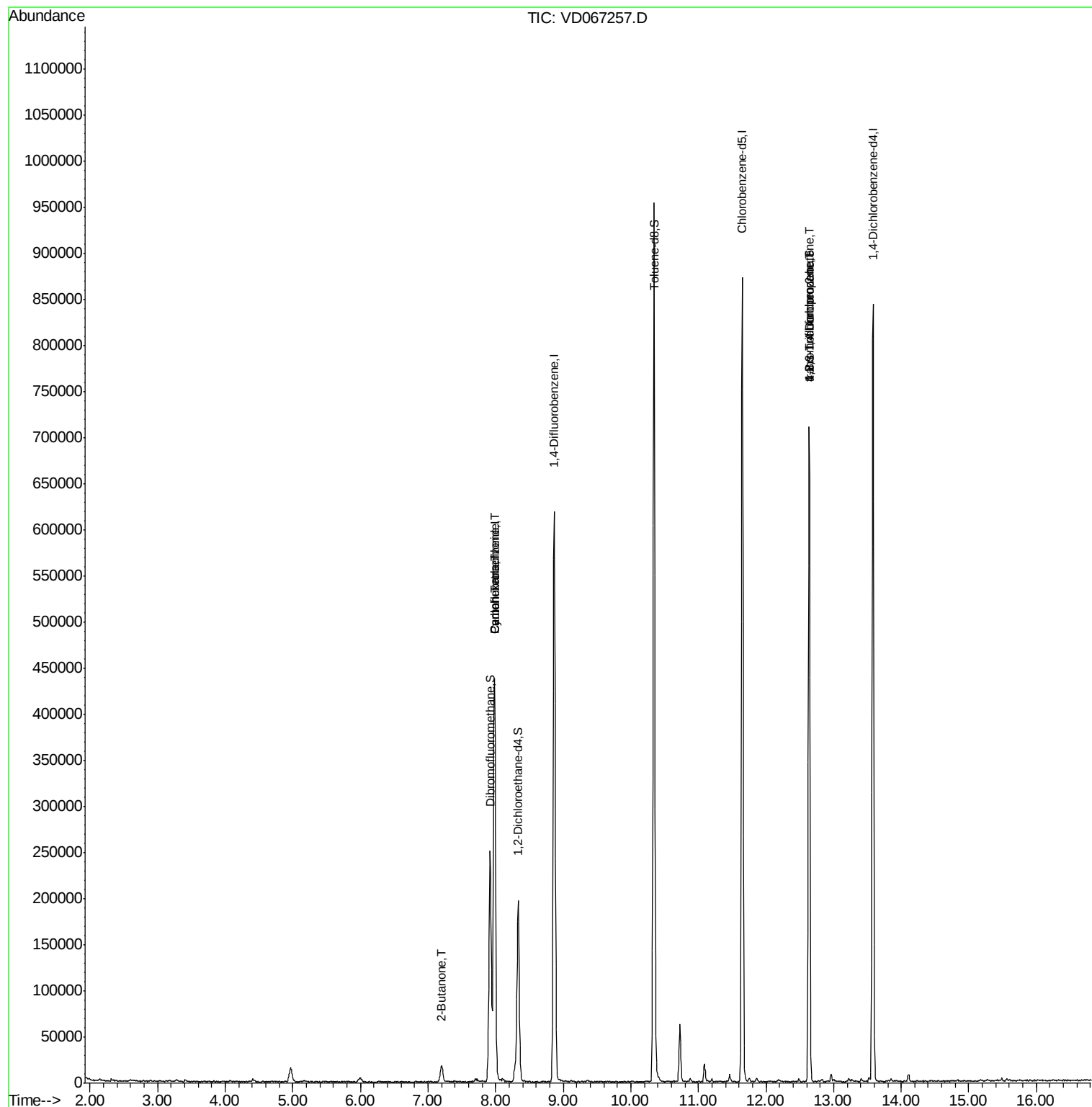
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	343161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	552224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	520646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	236276	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	161019	46.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.68%	
35) Dibromofluoromethane	7.92	113	179599	48.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.74%	
50) Toluene-d8	10.34	98	652639	49.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.64	95	213306	46.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.24%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	745	Below Cal		82
5) Bromomethane	2.78	94	386	Below Cal	#	3
11) Tert butyl alcohol	5.17	59	669	Below Cal	#	81
20) Methylene Chloride	4.97	84	12332	Below Cal	#	94
25) 2-Butanone	7.20	43	925	1.685	ug/l #	45
31) Cyclohexane	7.99	56	7242	1.829	ug/l #	47
38) Carbon Tetrachloride	7.99	117	35261	5.894	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	111449	68.056	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	111449	154.330	ug/l #	10

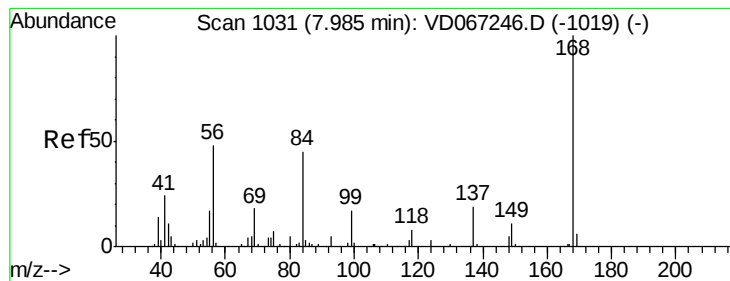
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 13 13:05:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067257.D

Acq: 13 Oct 2020 17:31

Instrument :

MSVOA_D

ClientSampleId :

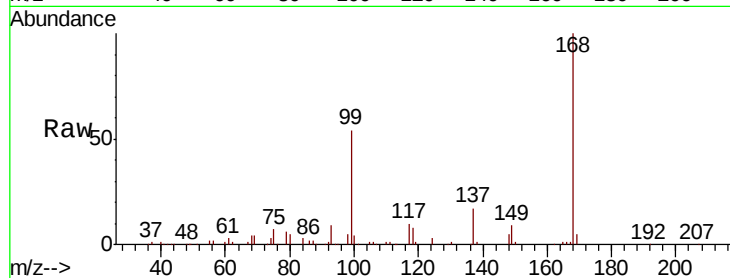
WC-HADLEY

Tot Ion:168 Resp: 343161

Ion Ratio Lower Upper

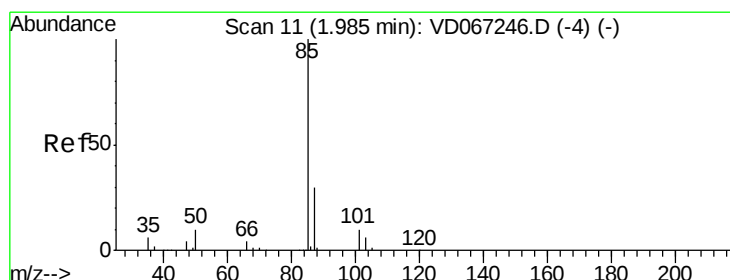
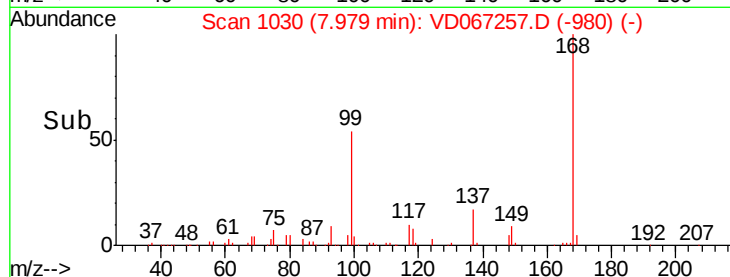
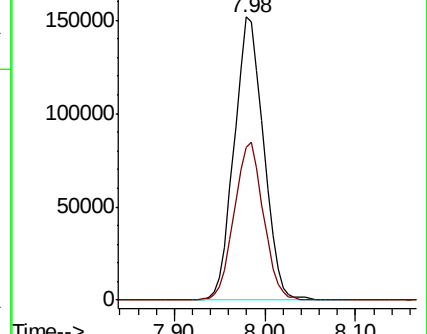
168 100

99 53.8 45.9 68.9



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. 0.00 min

Lab File: VD067257.D

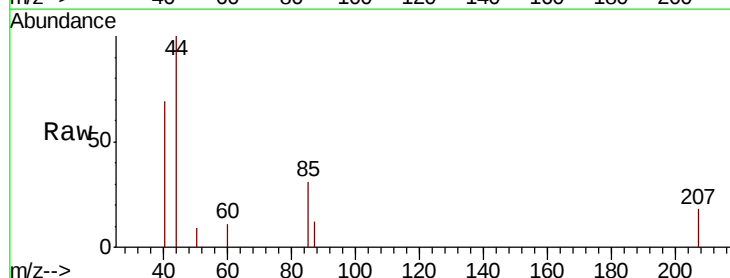
Acq: 13 Oct 2020 17:31

Tgt Ion: 85 Resp: 745

Ion Ratio Lower Upper

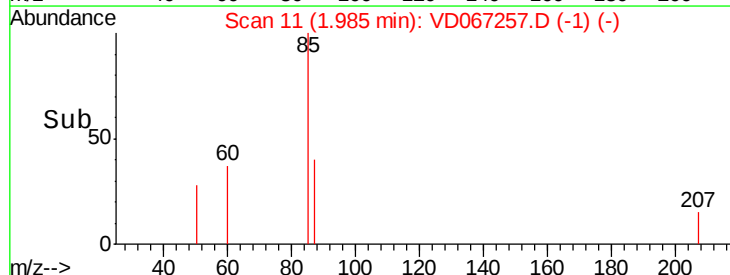
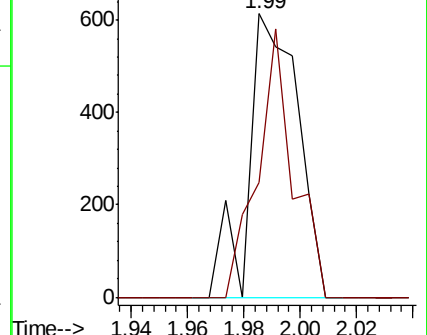
85 100

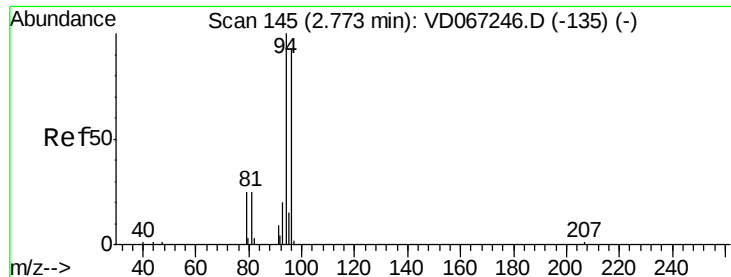
87 40.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067257.D

Acq: 13 Oct 2020 17:31

Instrument :

MSVOA_D

ClientSampleId :

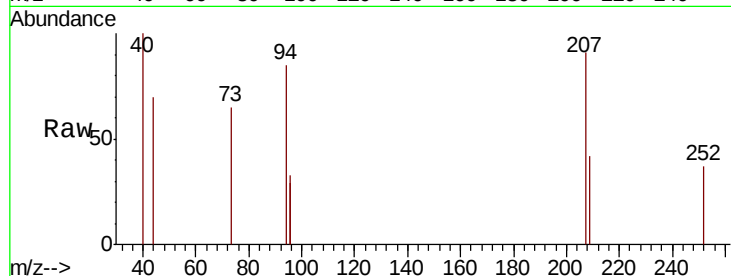
WC-HADLEY

Tot Ion: 94 Resp: 386

Ion Ratio Lower Upper

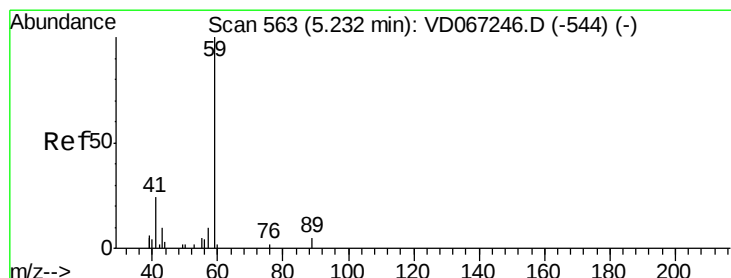
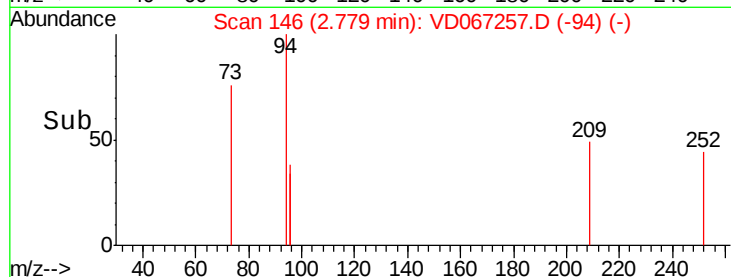
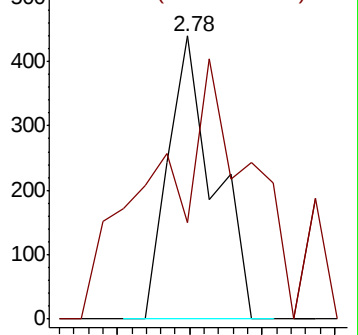
94 100

96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 553

Delta R.T. -0.06 min

Lab File: VD067257.D

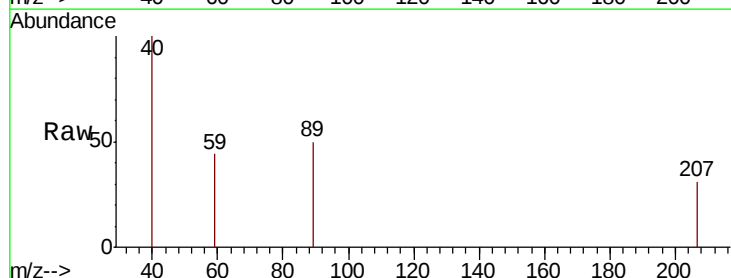
Acq: 13 Oct 2020 17:31

Tgt Ion: 59 Resp: 669

Ion Ratio Lower Upper

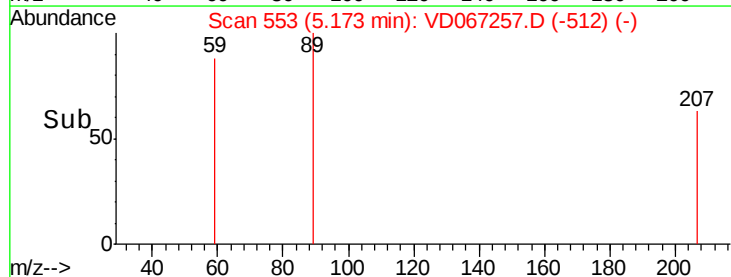
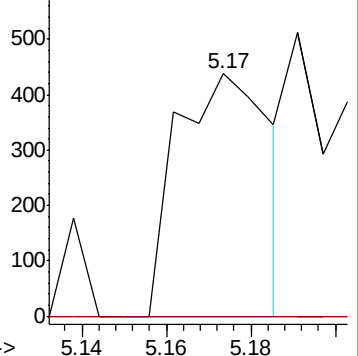
59 100

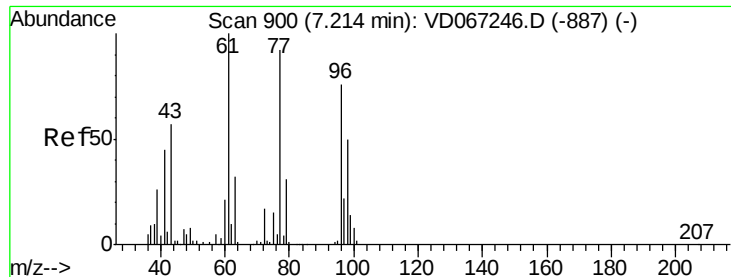
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

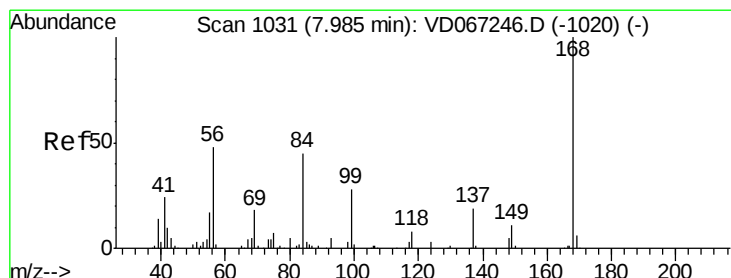
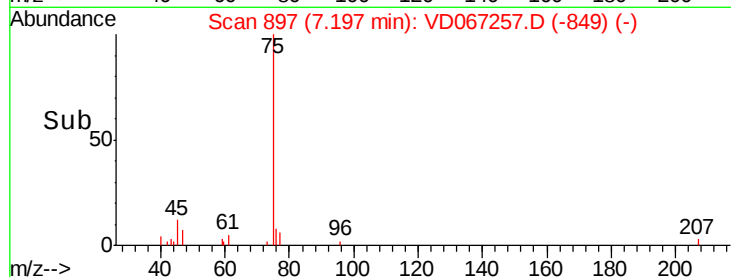
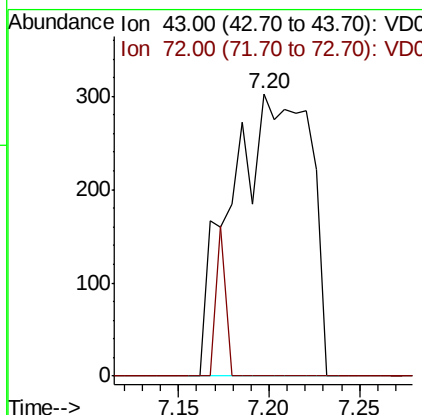
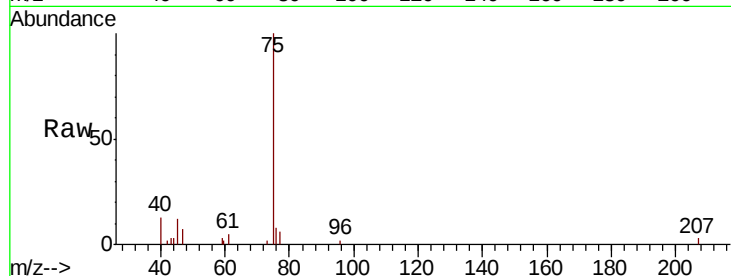




#25
2-Butanone
Concen: 1.685 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.02 min
Lab File: VD067257.D
Acq: 13 Oct 2020 17:31

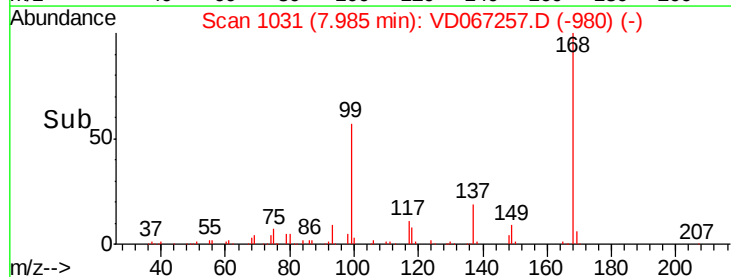
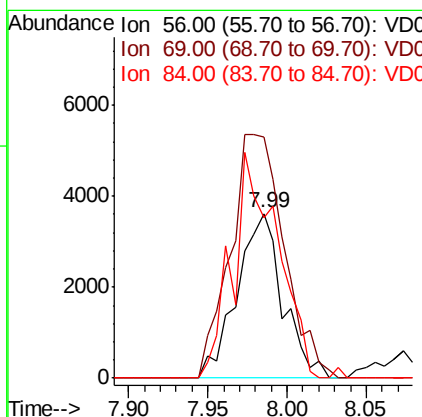
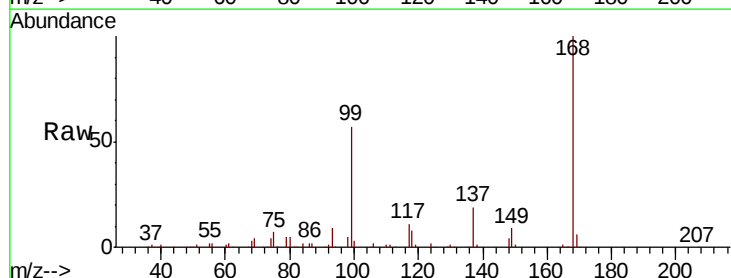
Instrument :
MSVOA_D
ClientSampleId :
WC-HADLEY

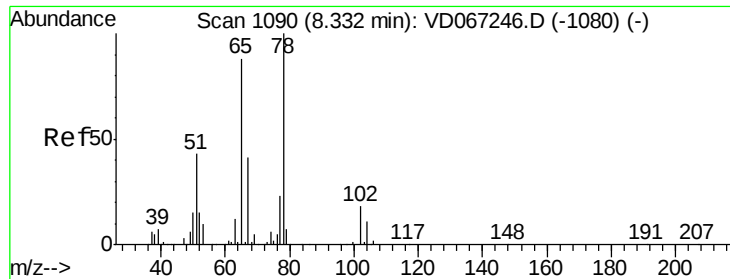
Tot Ion: 43 Resp: 925
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.829 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067257.D
Acq: 13 Oct 2020 17:31

Tgt Ion: 56 Resp: 7242
Ion Ratio Lower Upper
56 100
69 146.7 29.8 44.6#
84 97.5 76.6 114.8

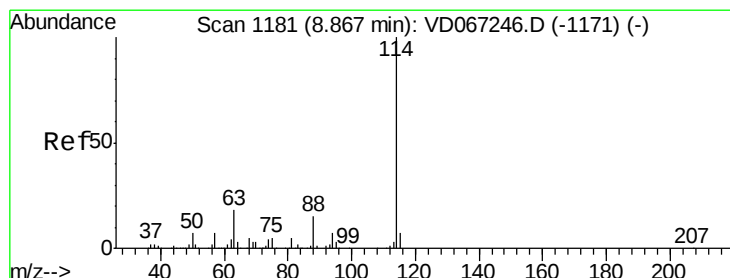
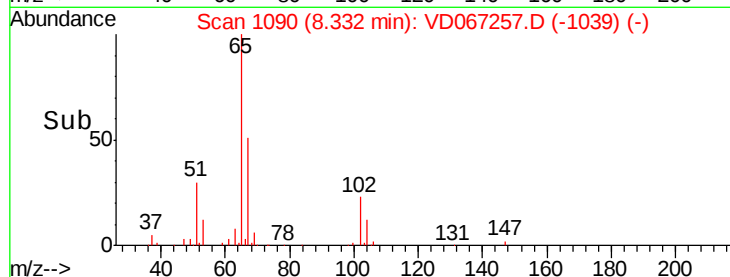
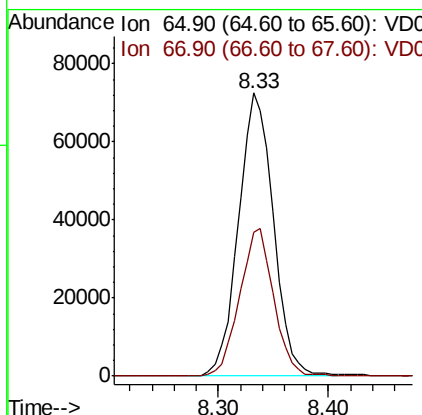
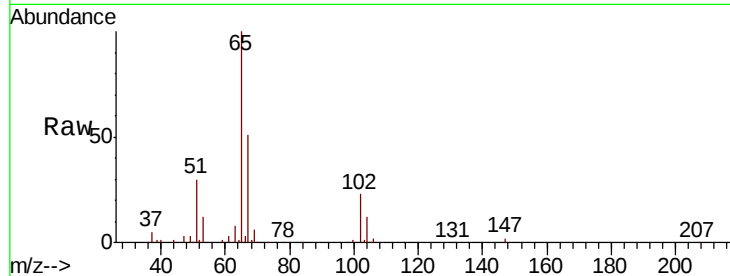




#33
 1,2-Dichloroethane-d4
 Concen: 46.836 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067257.D
 Acq: 13 Oct 2020 17:31

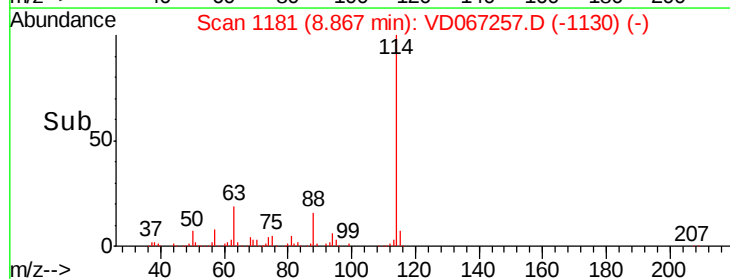
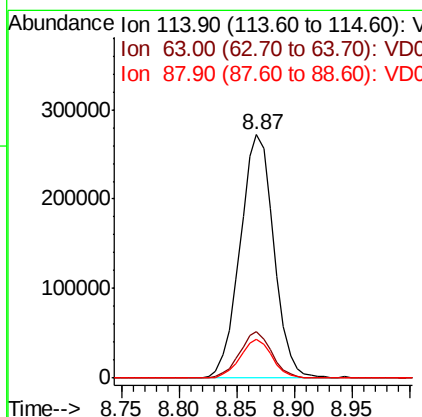
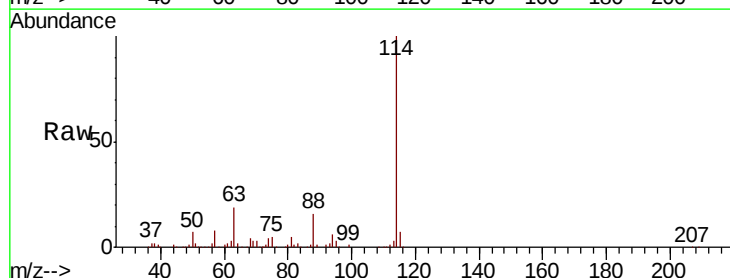
Instrument :
 MSVOA_D
 ClientSampleId :
 WC-HADLEY

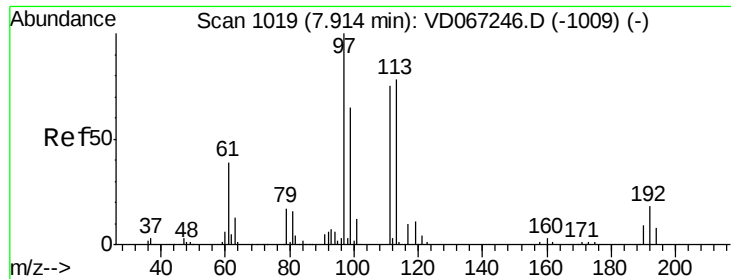
Tot Ion: 65 Resp: 161019
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067257.D
 Acq: 13 Oct 2020 17:31

Tgt Ion: 114 Resp: 552224
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 35.0
 88 16.0 0.0 30.6

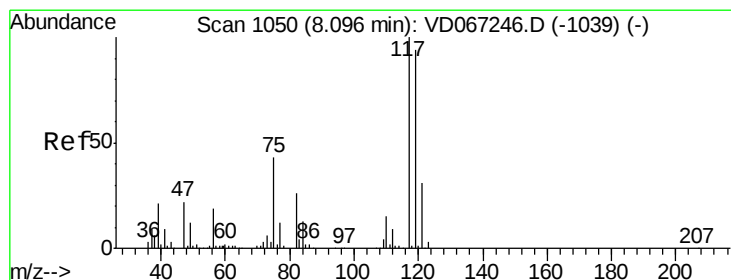
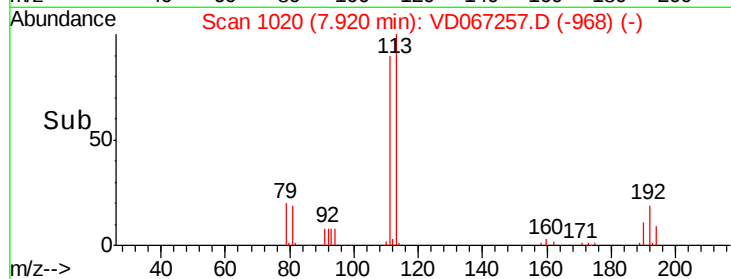
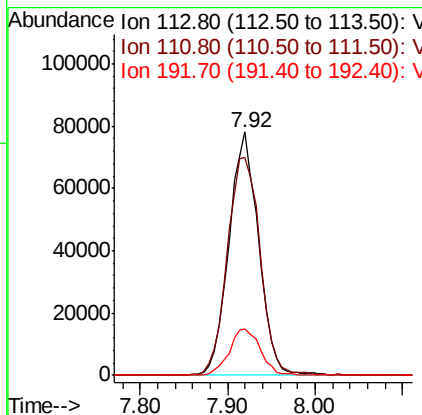
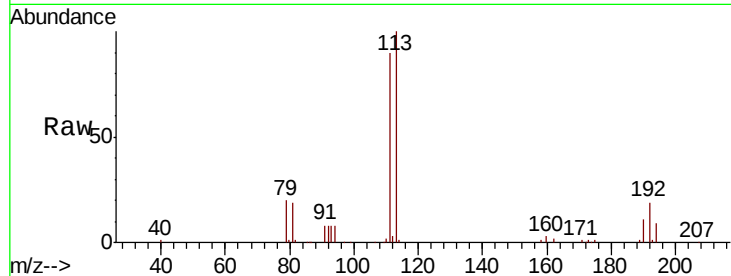




#35
 Dibromofluoromethane
 Concen: 48.870 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067257.D
 Acq: 13 Oct 2020 17:31

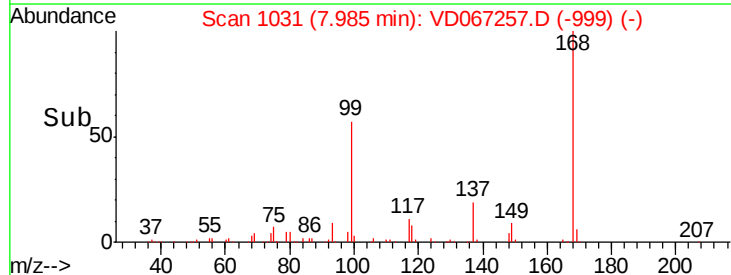
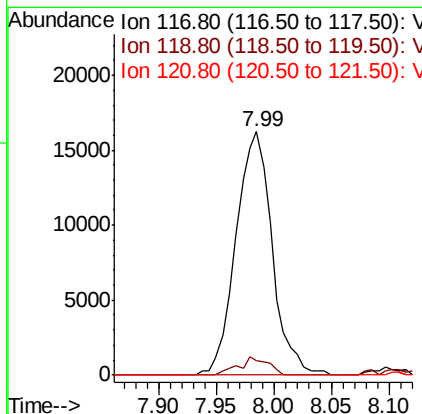
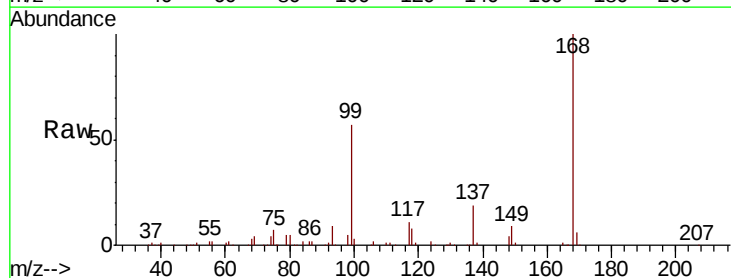
Instrument :
 MSVOA_D
 ClientSampleId :
 WC-HADLEY

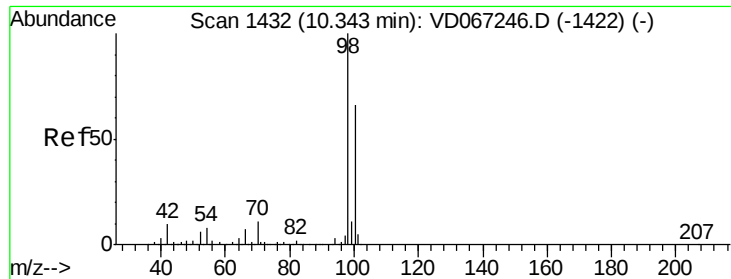
Tot Ion:113 Resp: 179599
 Ion Ratio Lower Upper
 113 100
 111 99.4 81.6 122.4
 192 20.0 17.0 25.4



#38
 Carbon Tetrachloride
 Concen: 5.894 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD067257.D
 Acq: 13 Oct 2020 17:31

Tgt Ion:117 Resp: 35261
 Ion Ratio Lower Upper
 117 100
 119 6.1 75.0 112.4#
 121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 49.072 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067257.D

Acq: 13 Oct 2020 17:31

Instrument :

MSVOA_D

ClientSampleId :

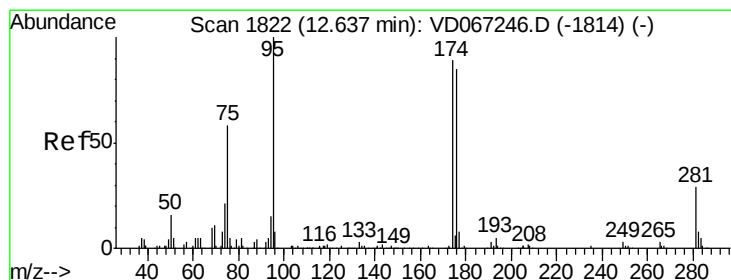
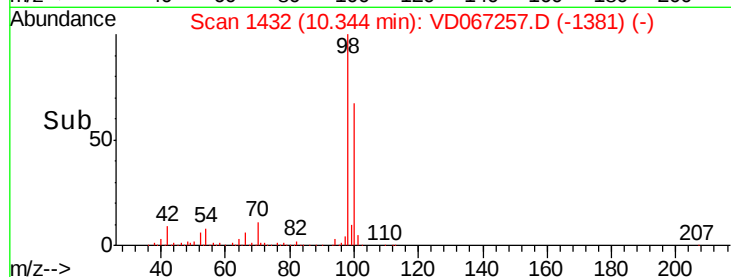
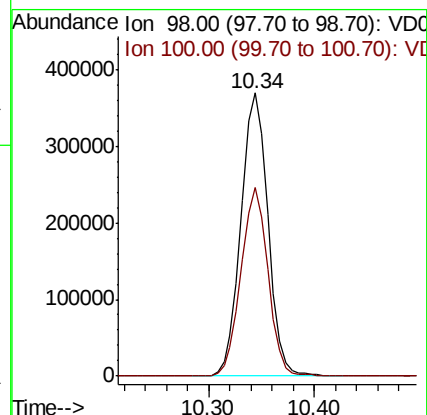
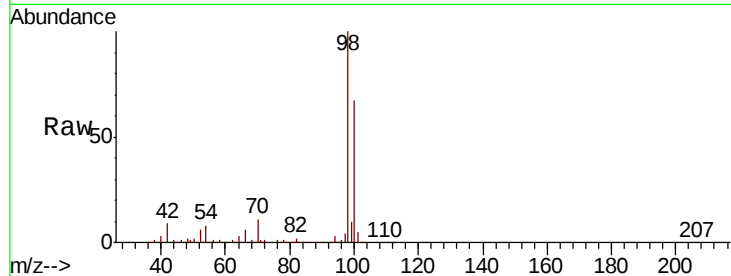
WC-HADLEY

Tot Ion: 98 Resp: 652639

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 46.124 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067257.D

Acq: 13 Oct 2020 17:31

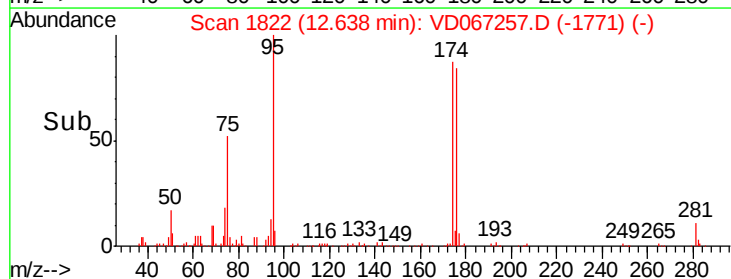
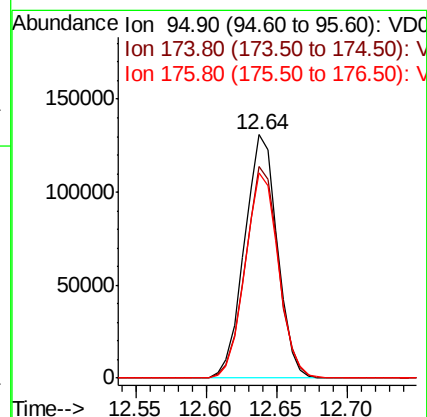
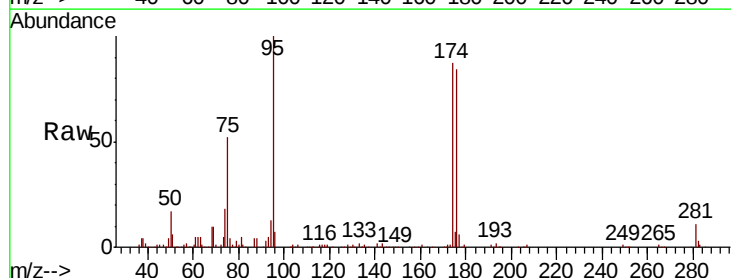
Tgt Ion: 95 Resp: 213306

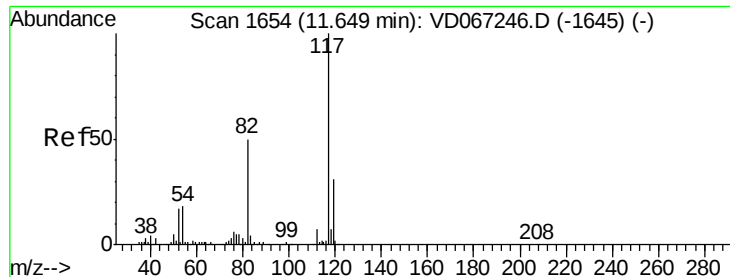
Ion Ratio Lower Upper

95 100

174 87.5 0.0 175.2

176 85.6 0.0 168.6

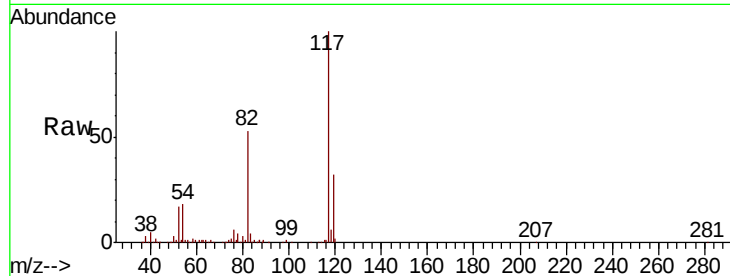




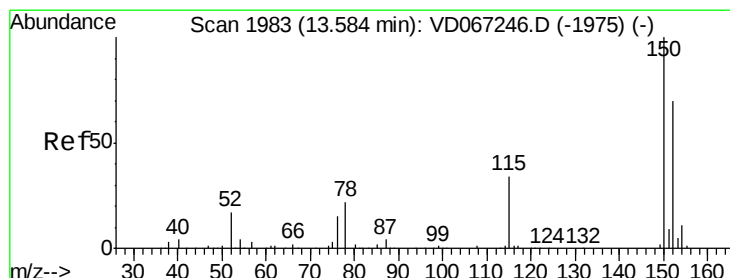
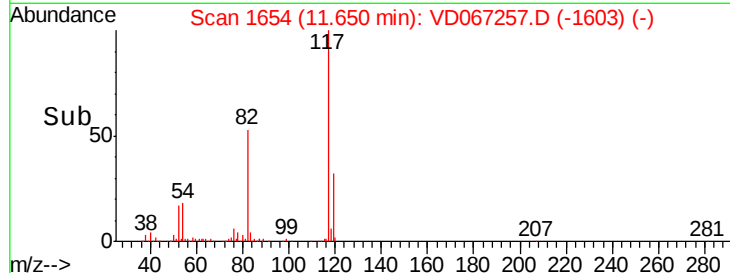
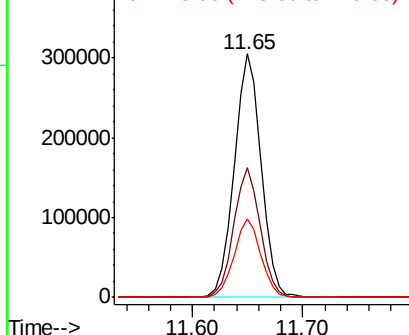
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067257.D
Acq: 13 Oct 2020 17:31

Instrument :
MSVOA_D
ClientSampleId :
WC-HADLEY

Tot Ion:117 Resp: 520646
Ion Ratio Lower Upper
117 100
82 53.3 39.9 59.9
119 32.4 24.9 37.3

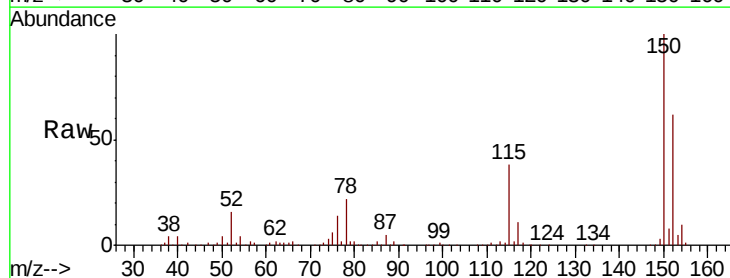


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

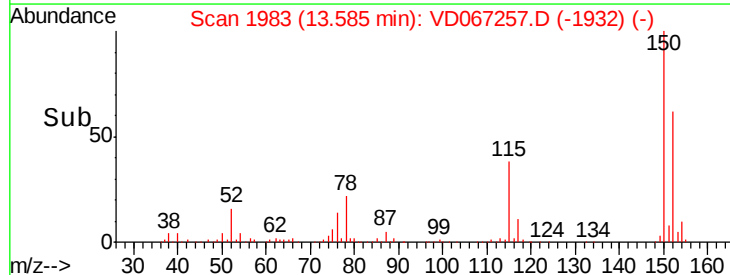
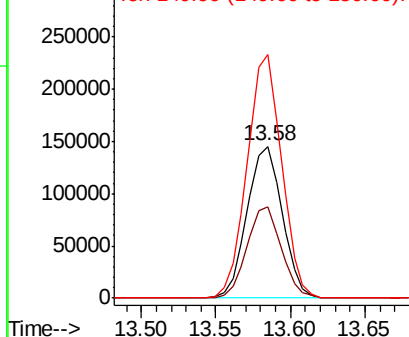


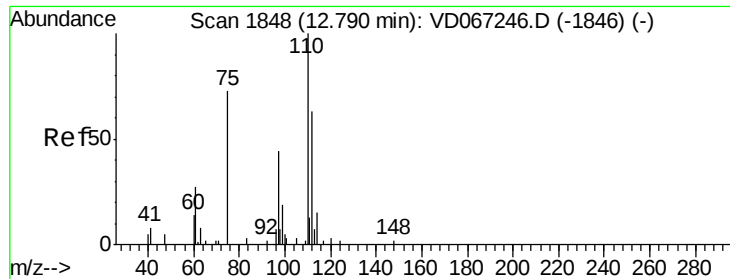
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067257.D
Acq: 13 Oct 2020 17:31

Tgt Ion:152 Resp: 236276
Ion Ratio Lower Upper
152 100
115 59.2 29.3 87.9
150 157.4 0.0 339.0



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

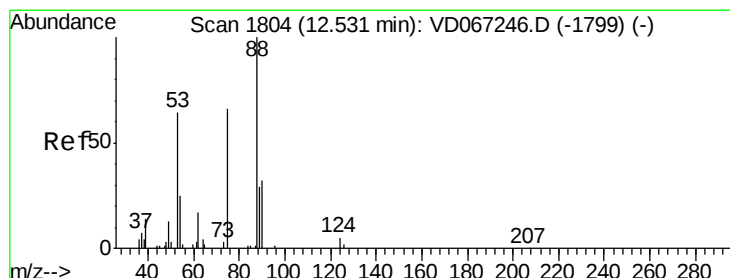
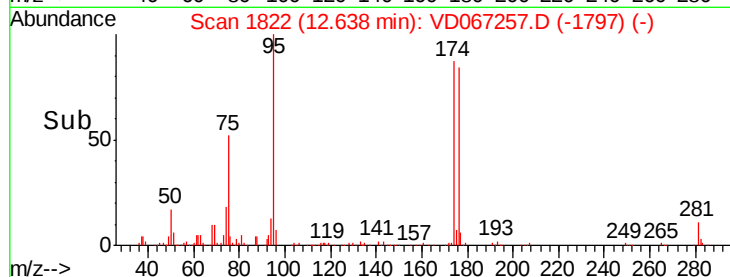
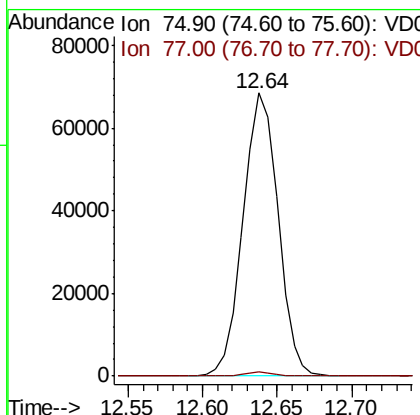
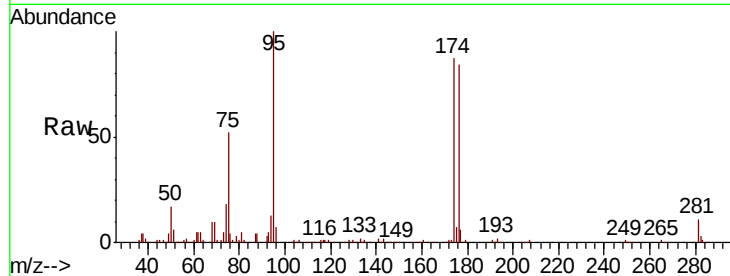




#76
 1,2,3-Trichloropropane
 Concen: 68.056 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067257.D
 Acq: 13 Oct 2020 17:31

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-HADLEY

Tot Ion: 75 Resp: 111449
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 154.330 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067257.D
 Acq: 13 Oct 2020 17:31

Tgt Ion: 75 Resp: 111449
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 39.9 59.9#

