

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\
 Data File : VD067398.D
 Acq On : 26 Oct 2020 17:53
 Operator : VA/SY
 Sample : L4510-11
 Misc : 5.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-11

Quant Time: Oct 27 00:53:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

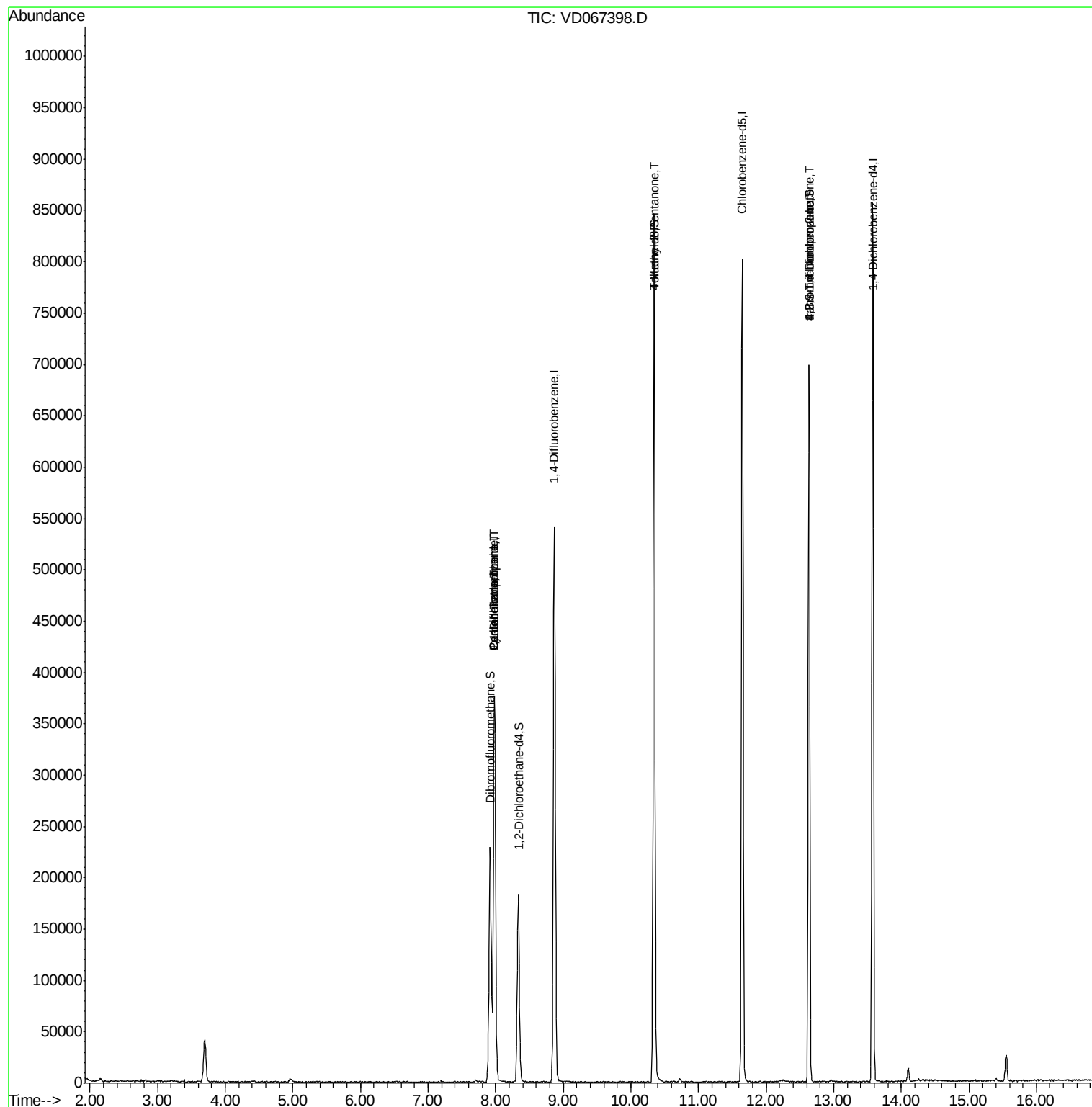
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	288845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	486128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	482572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	235669	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	158040	54.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.22%	
35) Dibromofluoromethane	7.92	113	160462	49.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.20%	
50) Toluene-d8	10.34	98	588141	50.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.64	95	207157	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.78%	
Target Compounds						
5) Bromomethane	2.77	94	60	Below Cal	#	3
20) Methylene Chloride	4.98	84	2682	Below Cal	#	70
31) Cyclohexane	7.98	56	5838	1.752	ug/l #	55
36) 1,1-Dichloropropene	7.98	75	20045	4.865	ug/l #	51
38) Carbon Tetrachloride	7.98	117	30772	5.843	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	2107	1.756	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	106922	65.459	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	106922	148.442	ug/l #	10

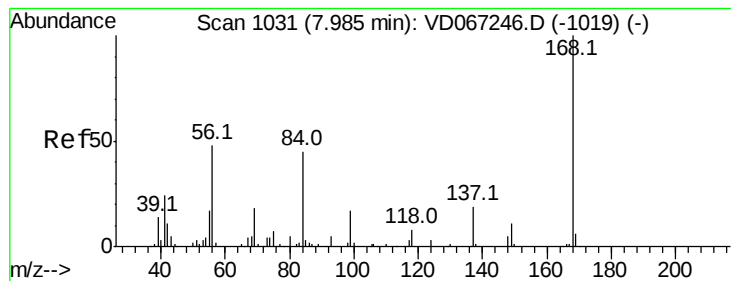
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102620\
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Quant Time: Oct 27 00:53:37 2020
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Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 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: VD067398.D

Acq: 26 Oct 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

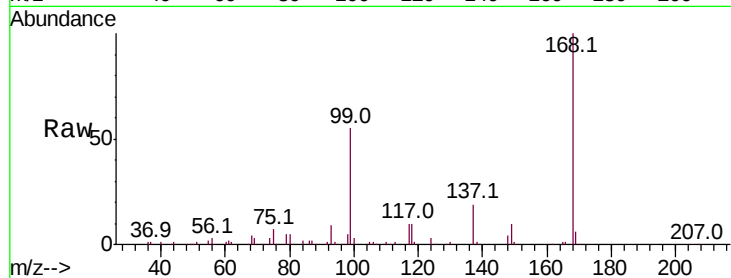
VOC-11

Tot Ion:168 Resp: 288845

Ion Ratio Lower Upper

168 100

99 55.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

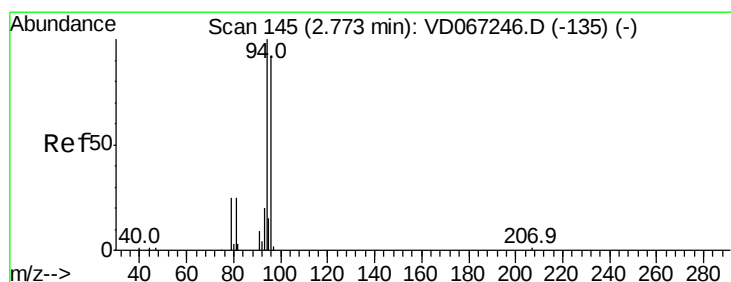
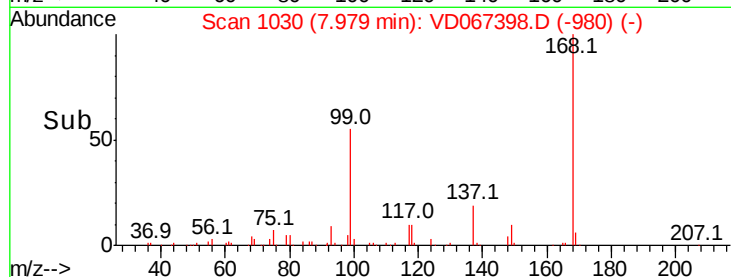
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067398.D

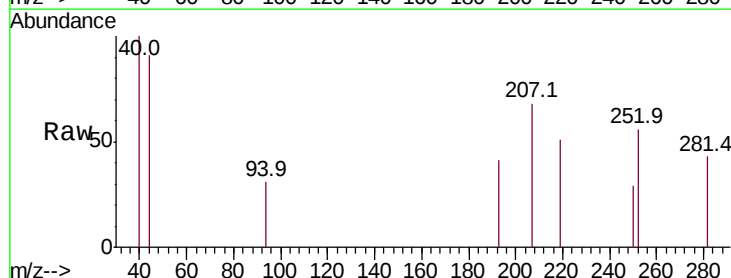
Acq: 26 Oct 2020 17:53

Tgt Ion: 94 Resp: 60

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

2.77

200

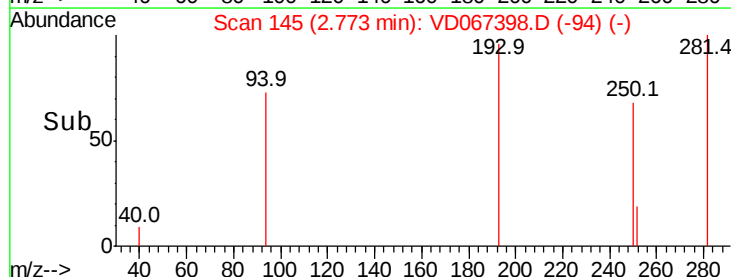
150

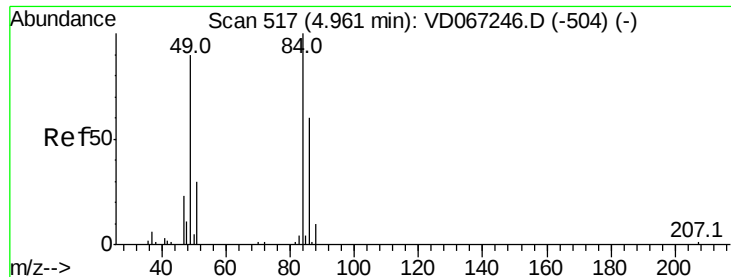
100

50

0

Time-->

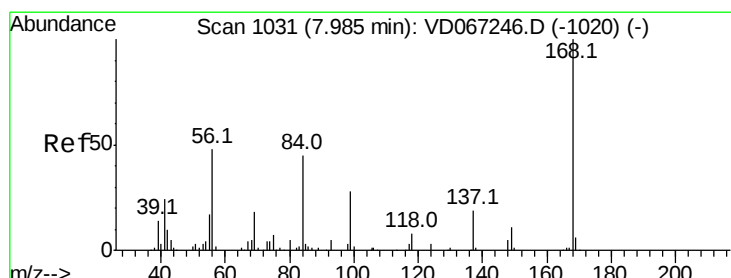
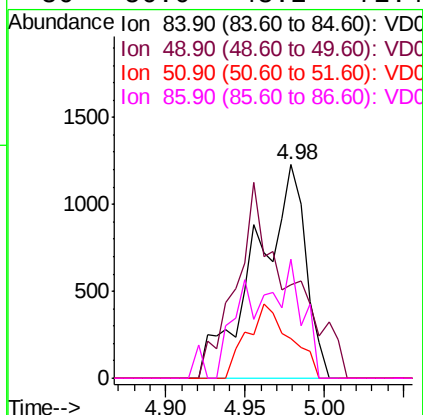
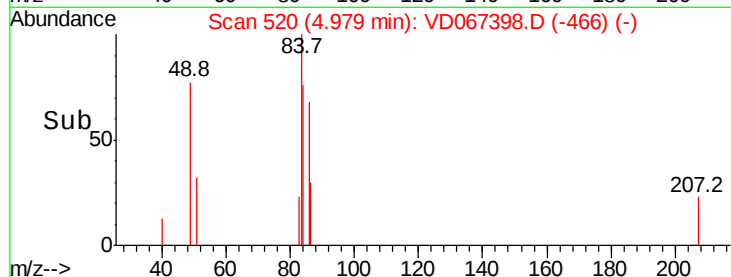
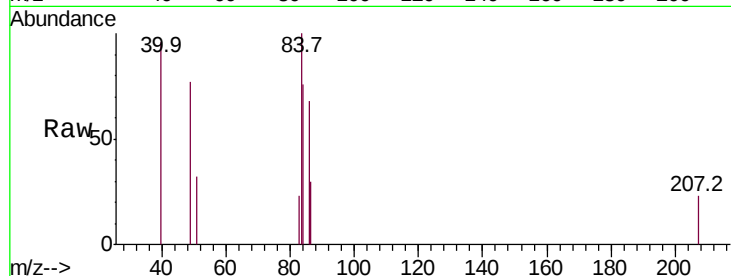




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD067398.D
Acq: 26 Oct 2020 17:53

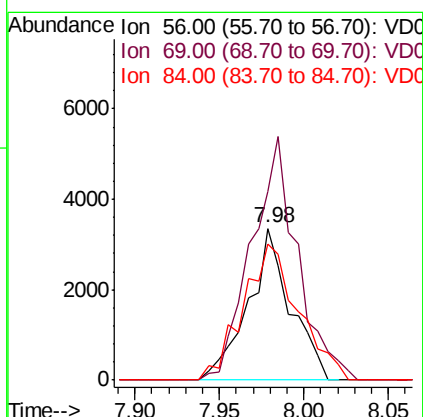
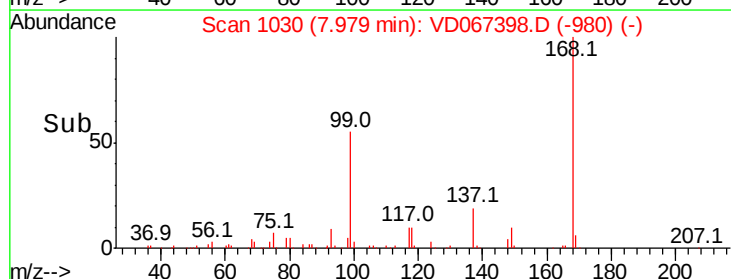
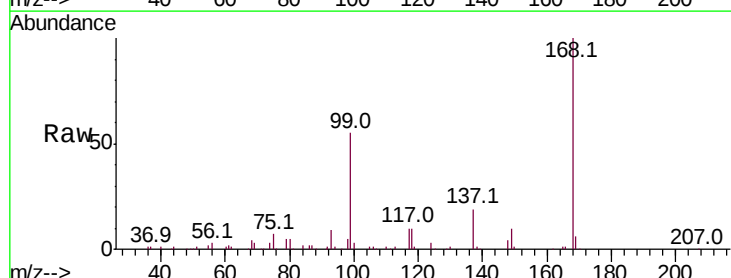
Instrument :
MSVOA_D
ClientSampleId :
VOC-11

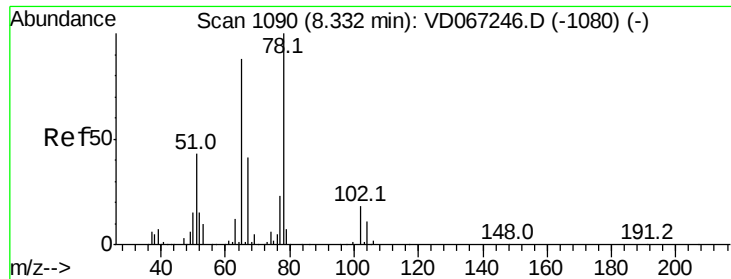
Tot Ion: 84 Resp: 2682
Ion Ratio Lower Upper
84 100
49 43.9 72.2 108.2#
51 18.5 23.8 35.8#
86 56.0 48.2 72.4



#31
Cyclohexane
Concen: 1.752 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067398.D
Acq: 26 Oct 2020 17:53

Tgt Ion: 56 Resp: 5838
Ion Ratio Lower Upper
56 100
69 124.6 29.8 44.6#
84 90.1 76.6 114.8





#33

1,2-Dichloroethane-d4

Concen: 54.613 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067398.D

Acq: 26 Oct 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

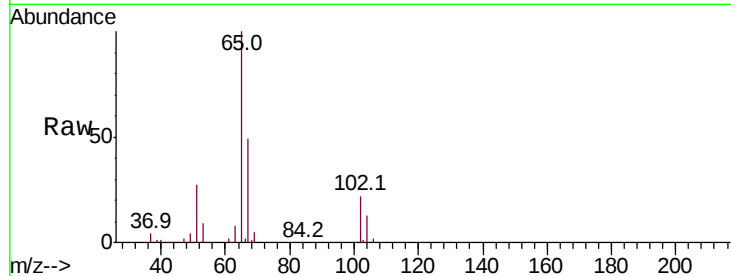
VOC-11

Tot Ion: 65 Resp: 158040

Ion Ratio Lower Upper

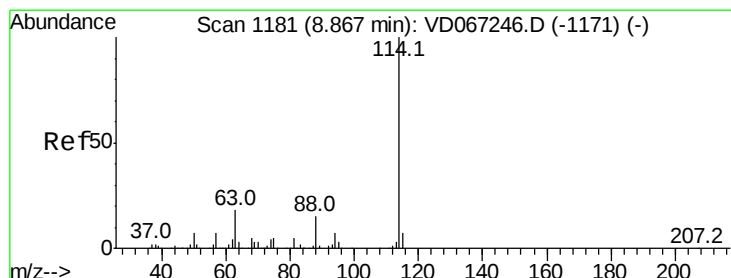
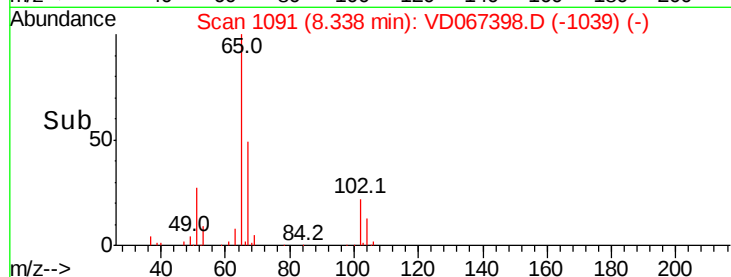
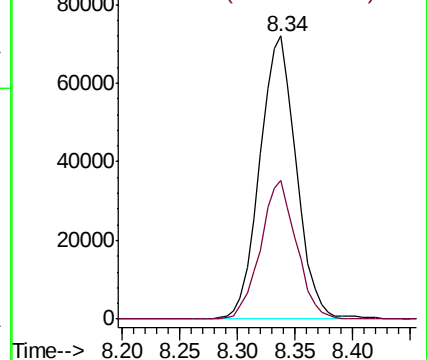
65 100

67 48.5 0.0 103.8



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. 0.00 min

Lab File: VD067398.D

Acq: 26 Oct 2020 17:53

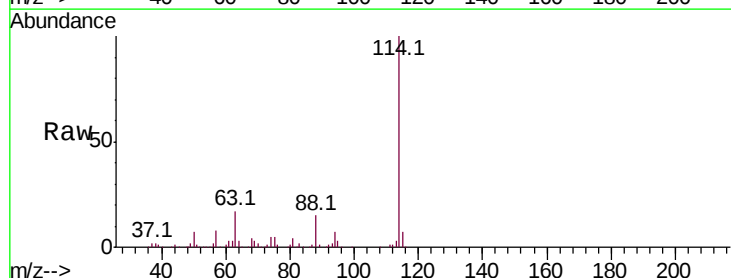
Tgt Ion: 114 Resp: 486128

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

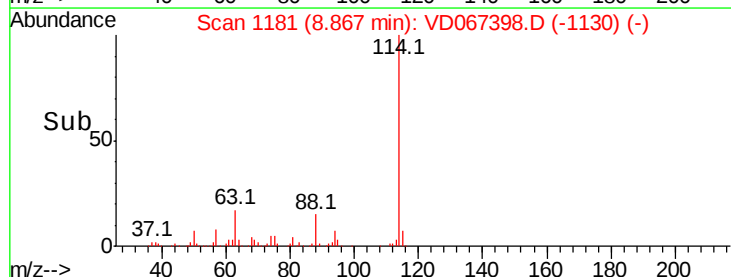
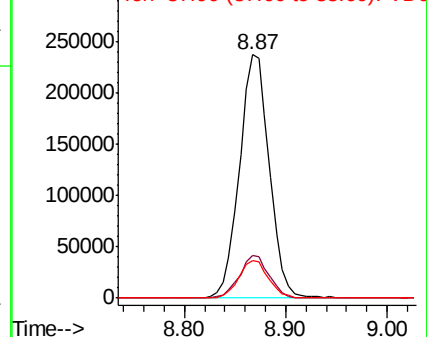
88 15.4 0.0 30.6

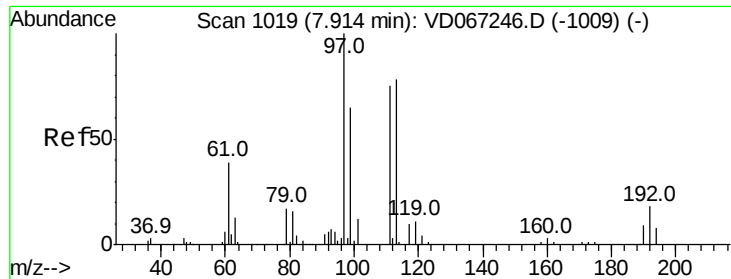


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

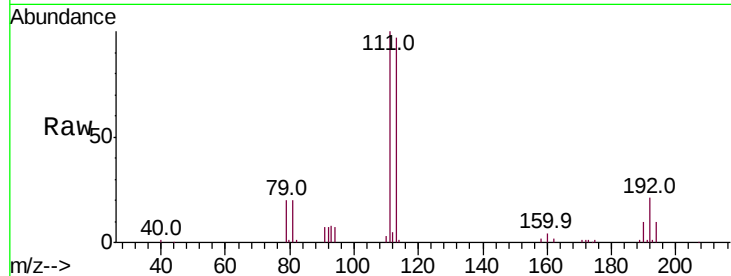




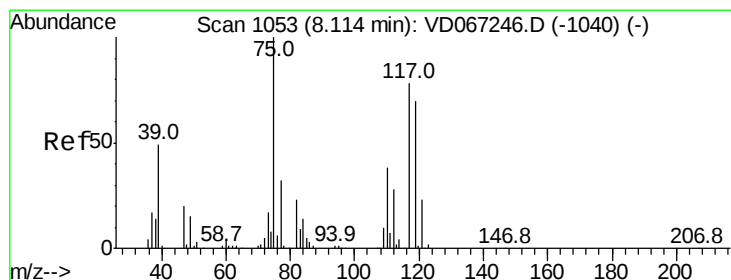
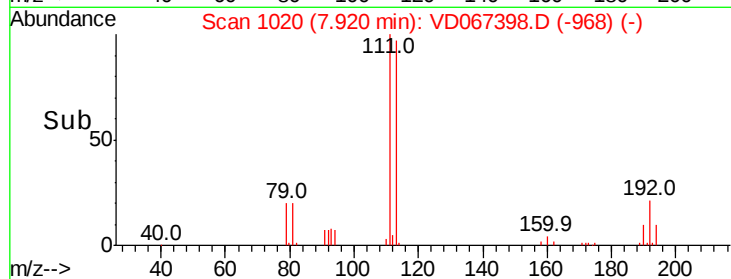
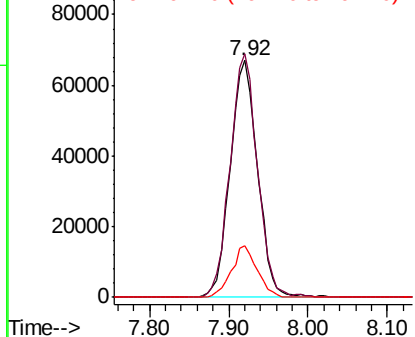
#35
 Dibromofluoromethane
 Concen: 49.599 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067398.D
 Acq: 26 Oct 2020 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-11

Tot Ion:113 Resp: 160462
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.6 122.4
 192 20.4 17.0 25.4

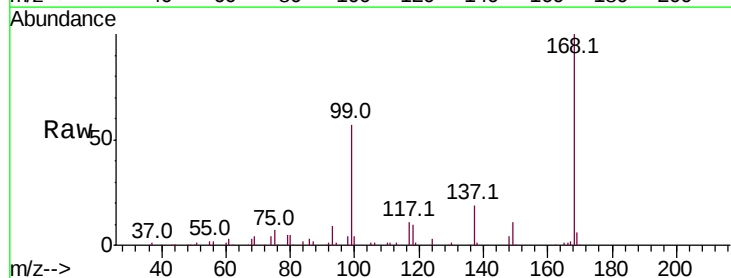


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

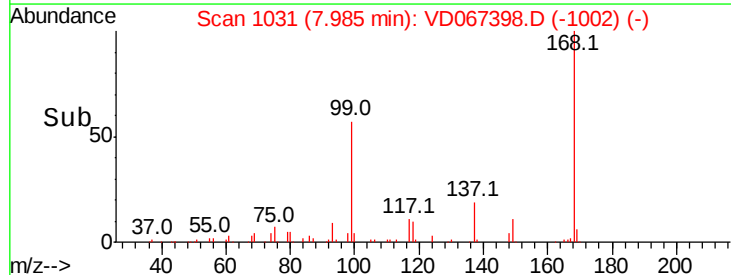
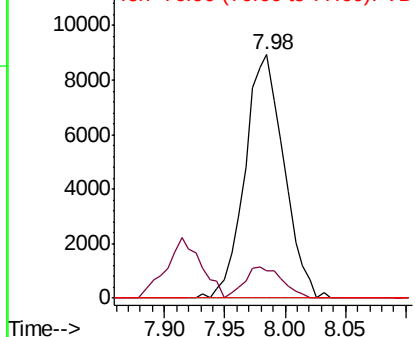


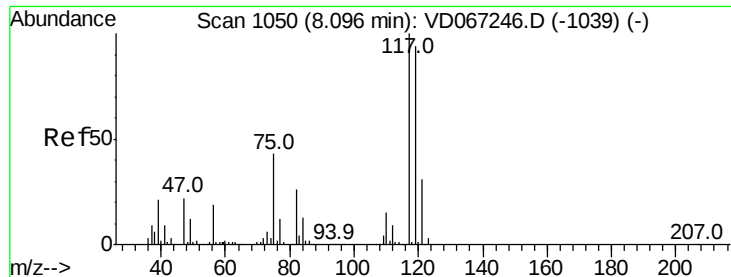
#36
 1,1-Dichloropropene
 Concen: 4.865 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067398.D
 Acq: 26 Oct 2020 17:53

Tgt Ion: 75 Resp: 20045
 Ion Ratio Lower Upper
 75 100
 110 12.5 19.6 58.7#
 77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 5.843 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067398.D

Acq: 26 Oct 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

VOC-11

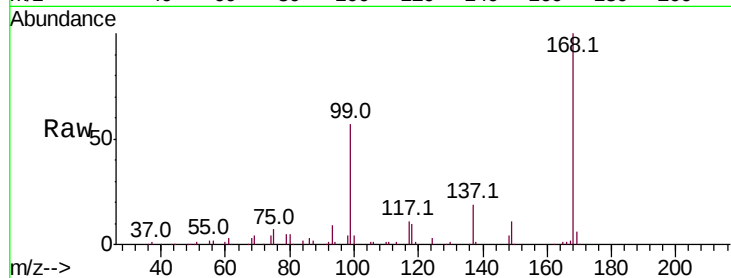
Tot Ion:117 Resp: 30772

Ion Ratio Lower Upper

117 100

119 5.9 75.0 112.4#

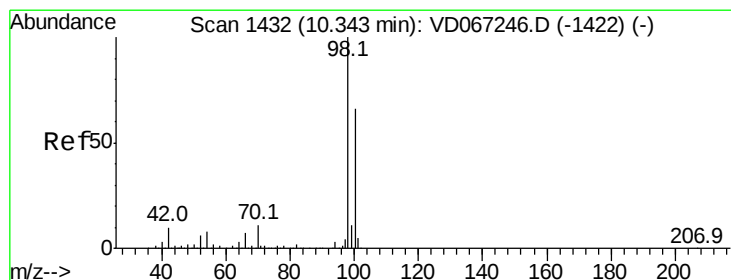
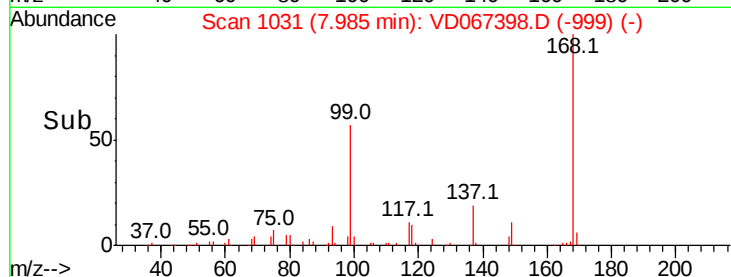
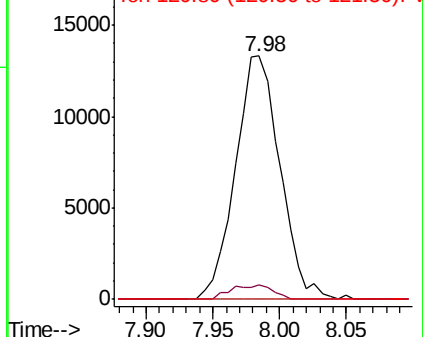
121 0.0 24.9 37.3#



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: 50.235 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067398.D

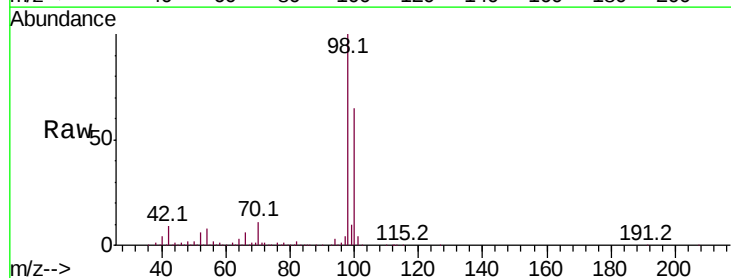
Acq: 26 Oct 2020 17:53

Tgt Ion: 98 Resp: 588141

Ion Ratio Lower Upper

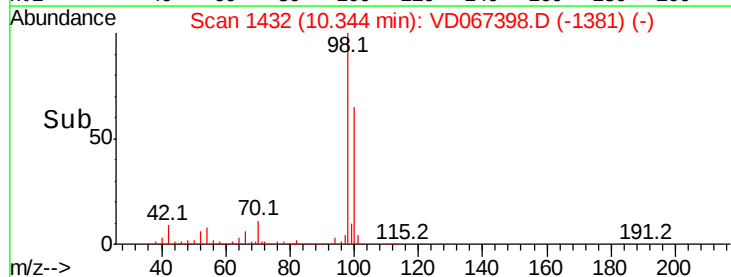
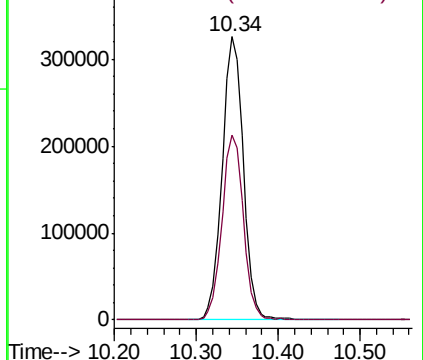
98 100

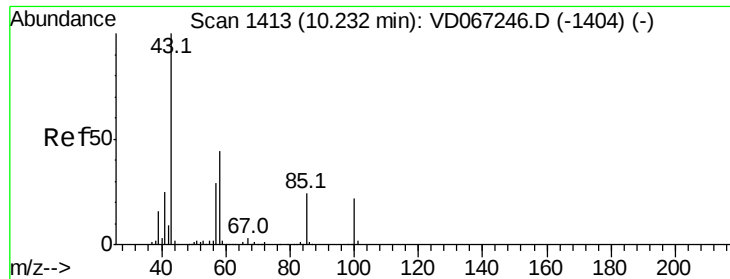
100 66.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.756 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067398.D

Acq: 26 Oct 2020 17:53

Instrument :

MSVOA_D

ClientSampleID :

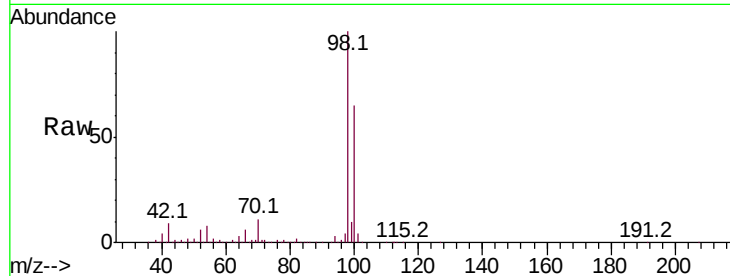
VOC-11

Tot Ion: 43 Resp: 2107

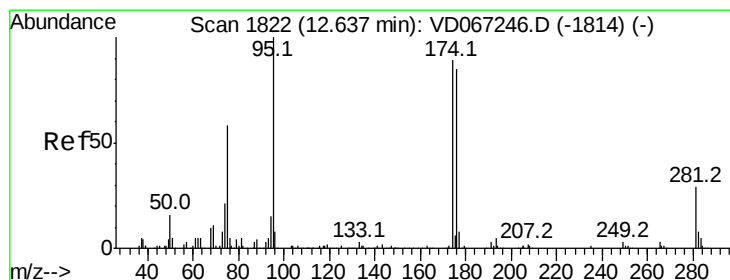
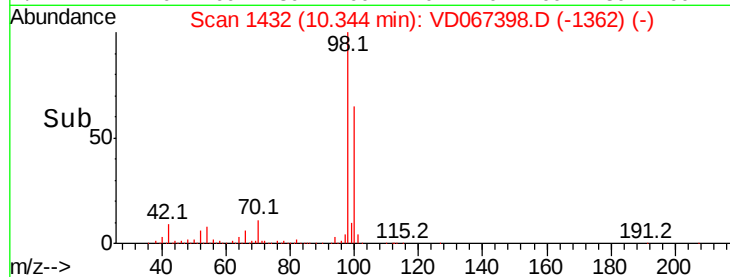
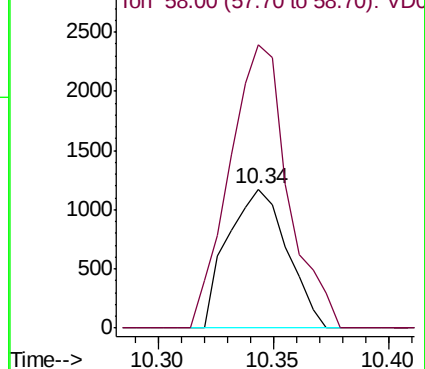
Ion Ratio Lower Upper

43 100

58 201.3 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#62

4-Bromofluorobenzene

Concen: 50.885 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067398.D

Acq: 26 Oct 2020 17:53

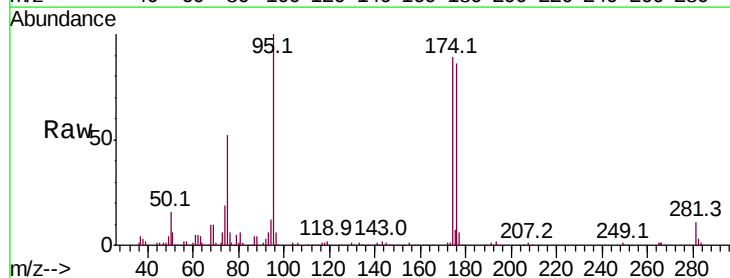
Tgt Ion: 95 Resp: 207157

Ion Ratio Lower Upper

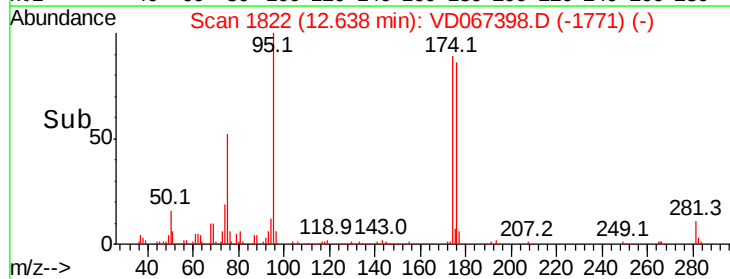
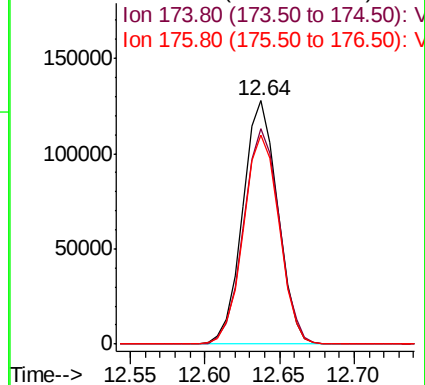
95 100

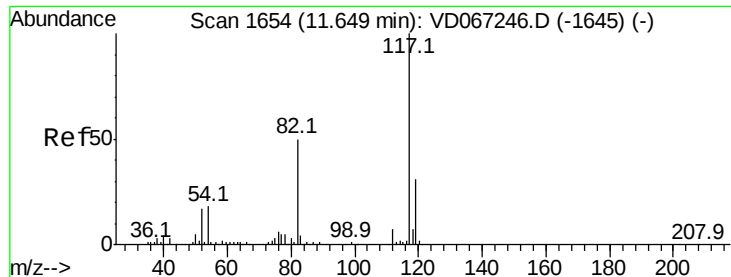
174 90.4 0.0 175.2

176 87.9 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

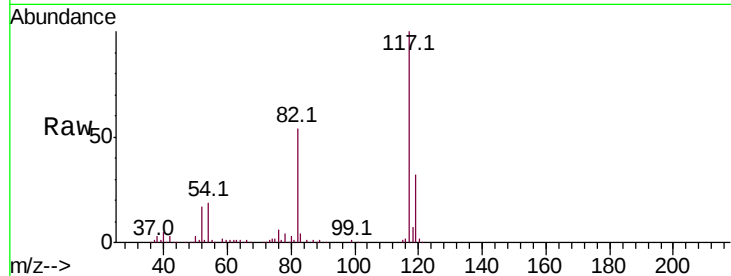




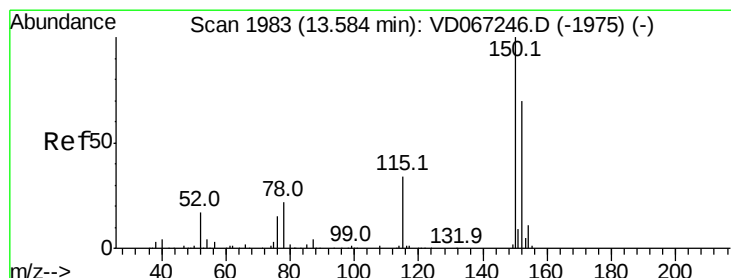
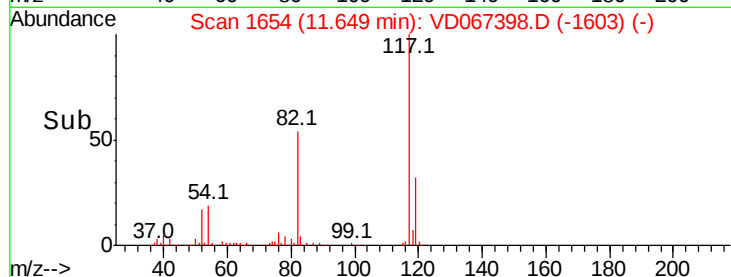
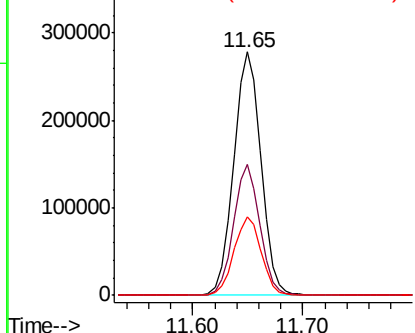
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067398.D
Acq: 26 Oct 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
VOC-11

Tot Ion:117 Resp: 482572
Ion Ratio Lower Upper
117 100
82 53.6 39.9 59.9
119 32.2 24.9 37.3

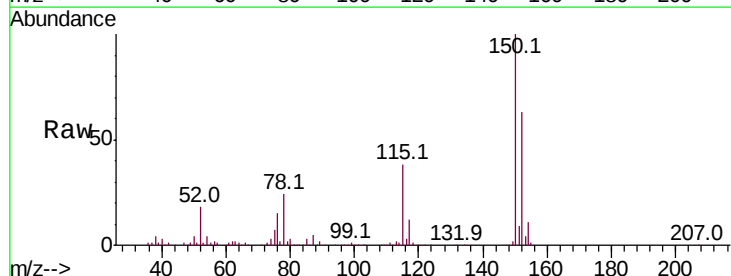


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

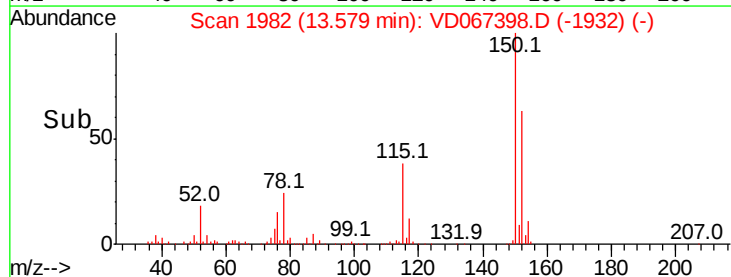
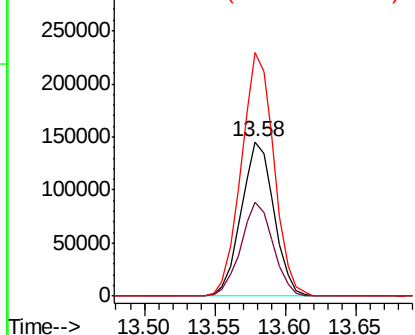


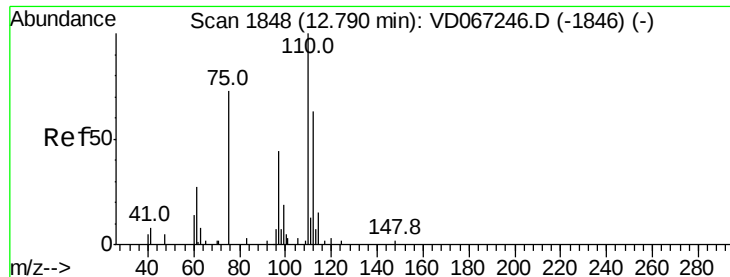
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067398.D
Acq: 26 Oct 2020 17:53

Tgt Ion:152 Resp: 235669
Ion Ratio Lower Upper
152 100
115 60.0 29.3 87.9
150 157.6 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: 65.459 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067398.D

Acq: 26 Oct 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

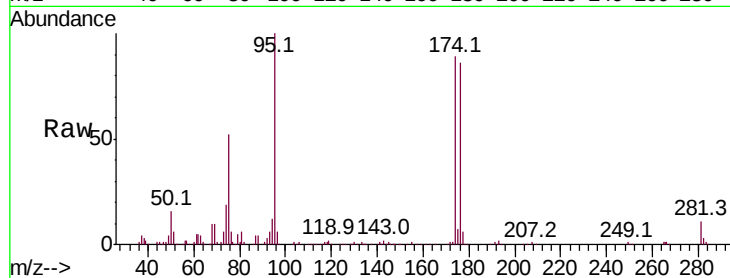
VOC-11

Tot Ion: 75 Resp: 106922

Ion Ratio Lower Upper

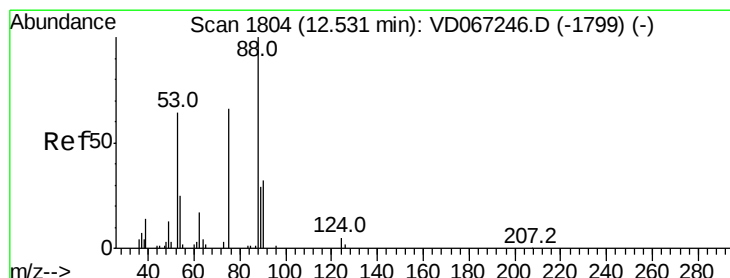
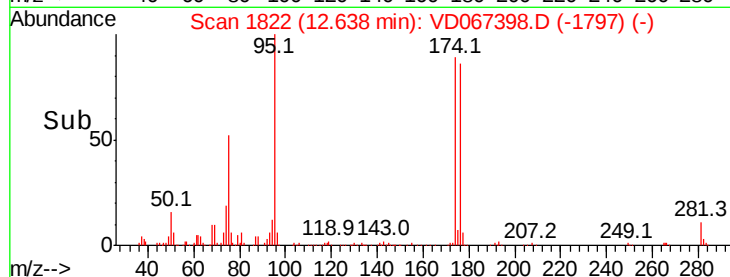
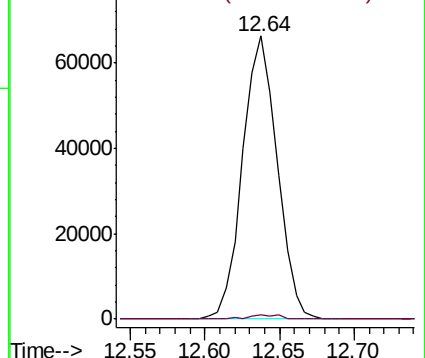
75 100

77 1.5 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: 148.442 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067398.D

Acq: 26 Oct 2020 17:53

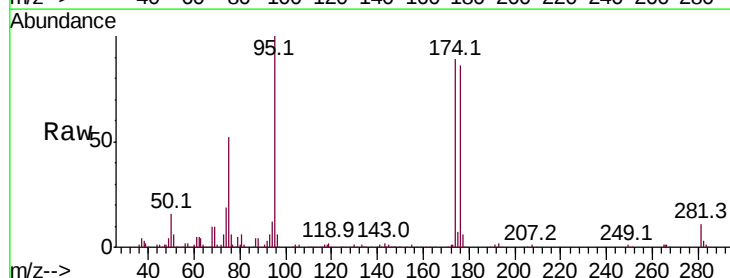
Tgt Ion: 75 Resp: 106922

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 39.9 59.9#



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

