

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067412.D
 Acq On : 27 Oct 2020 15:29
 Operator : VA/SY
 Sample : L4510-07
 Misc : 6.30G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-7

Quant Time: Oct 28 01:19:13 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

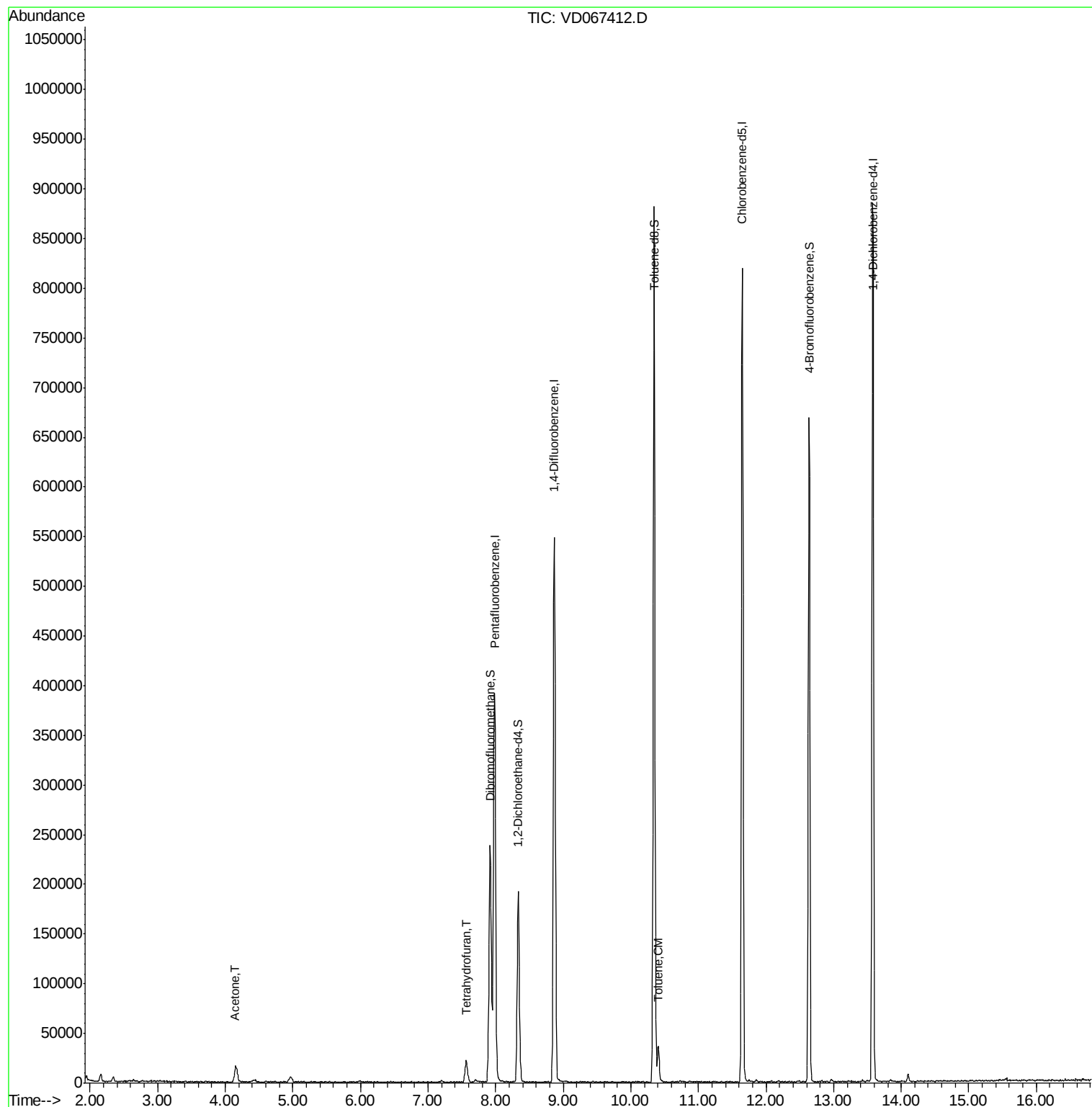
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	309177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	500250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	497232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	248773	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	163192	52.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.38%	
35) Dibromofluoromethane	7.92	113	167822	50.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.82%	
50) Toluene-d8	10.34	98	599248	49.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.64	95	212224	50.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.32%	
Target Compounds						
16) Acetone	4.15	43	29431	67.844	ug/l #	86
29) Tetrahydrofuran	7.56	42	15706	57.138	ug/l	97
52) Toluene	10.40	92	14209	1.794	ug/l	94

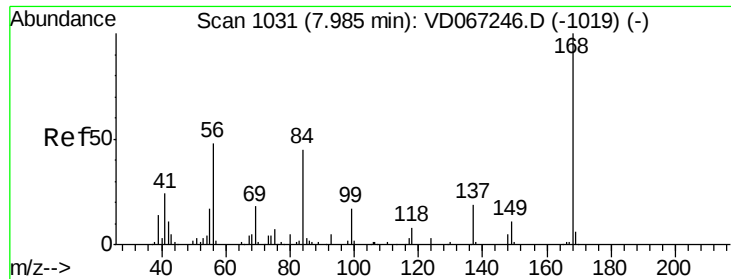
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067412.D

Acq: 27 Oct 2020 15:29

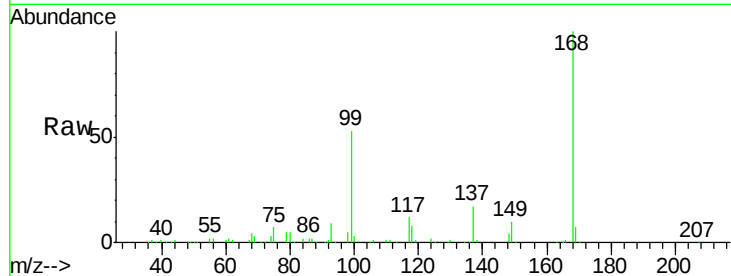
Instrument :
MSVOA_D
ClientSampleId :
VOC-7

Tot Ion:168 Resp: 309177

Ion Ratio Lower Upper

168 100

99 53.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

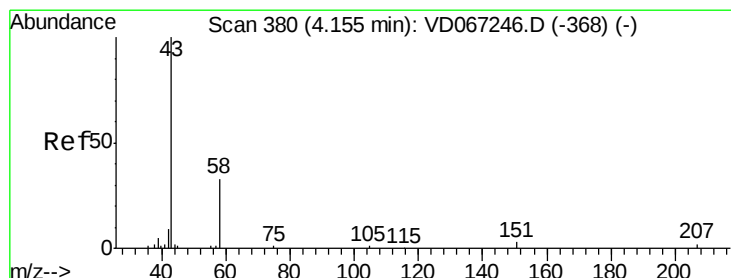
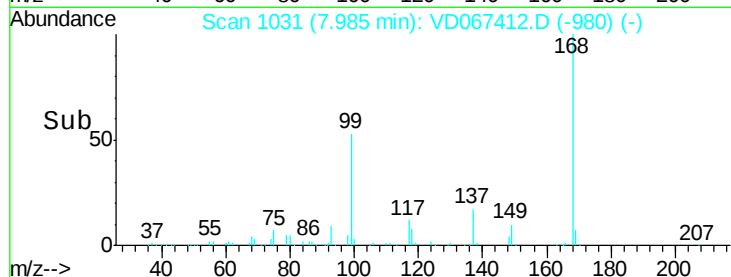
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 67.844 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067412.D

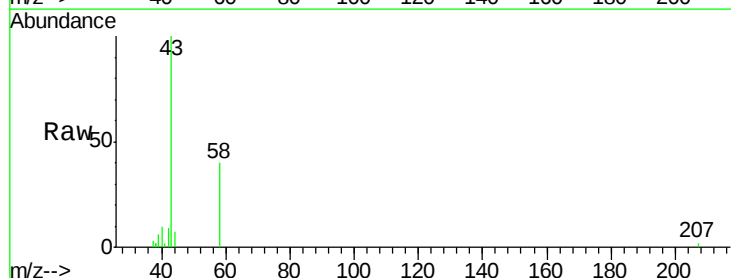
Acq: 27 Oct 2020 15:29

Tgt Ion: 43 Resp: 29431

Ion Ratio Lower Upper

43 100

58 40.4 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.15

10000

8000

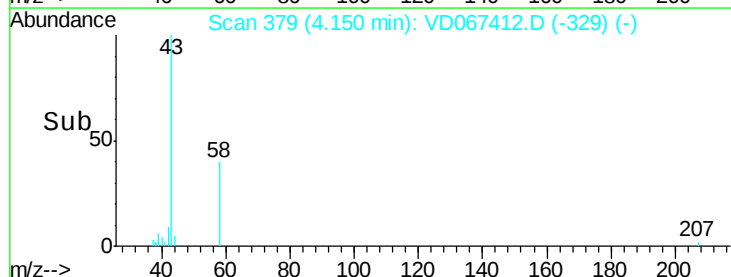
6000

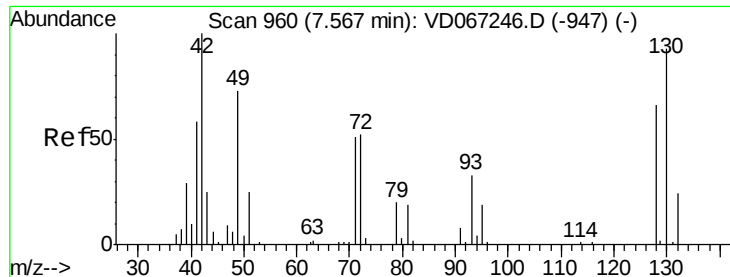
4000

2000

0

Time-->





#29

Tetrahydrofuran

Concen: 57.138 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067412.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VOC-7

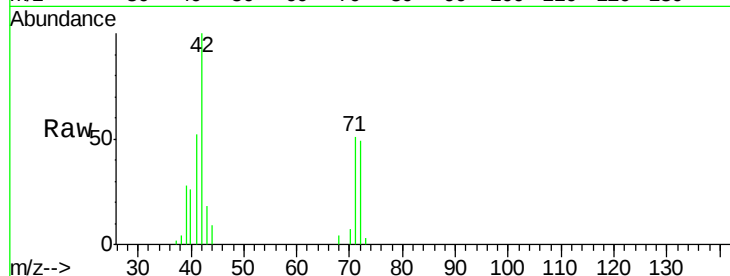
Tot Ion: 42 Resp: 15706

Ion Ratio Lower Upper

42 100

72 51.8 43.2 64.8

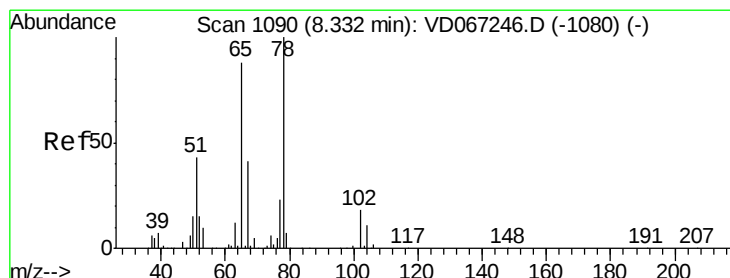
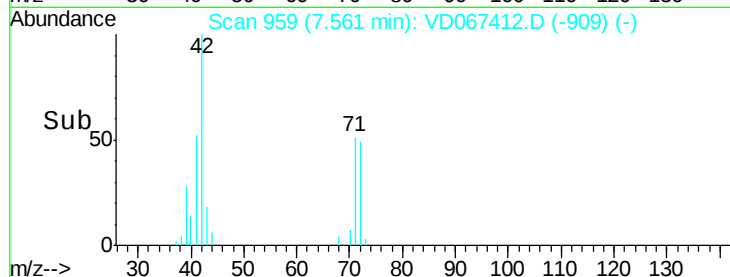
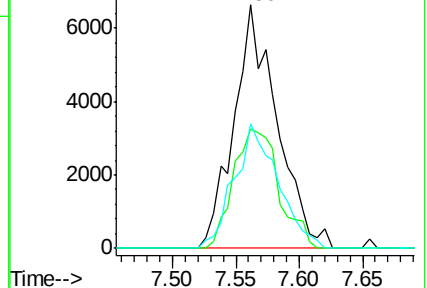
71 51.8 39.4 59.0



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 52.685 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067412.D

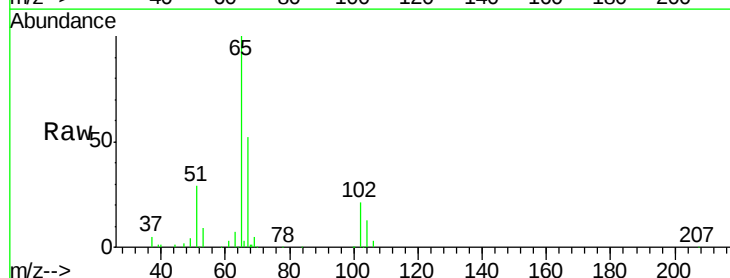
Acq: 27 Oct 2020 15:29

Tgt Ion: 65 Resp: 163192

Ion Ratio Lower Upper

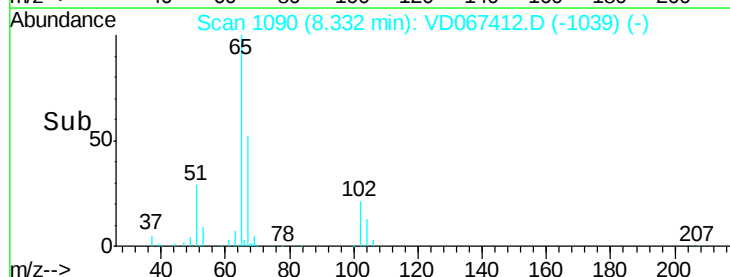
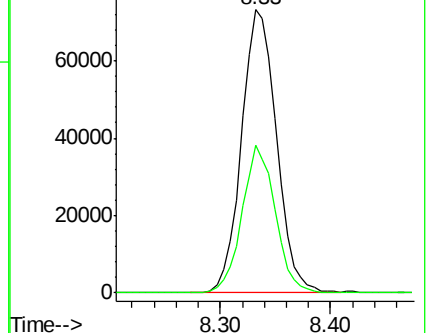
65 100

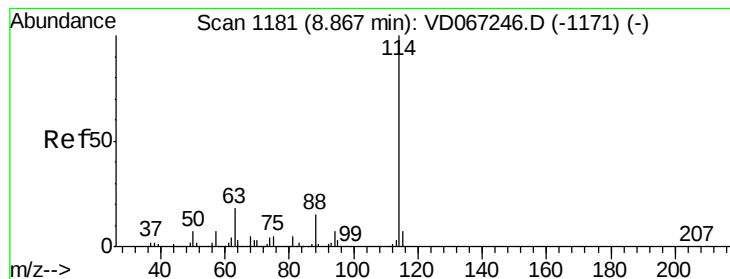
67 49.4 0.0 103.8



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: VD067412.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VOC-7

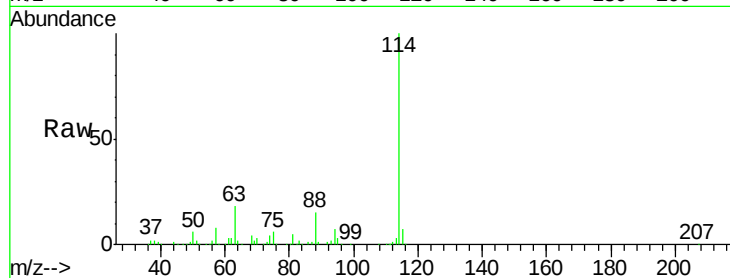
Tot Ion:114 Resp: 500250

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

88 14.8 0.0 30.6



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

8.87

250000

200000

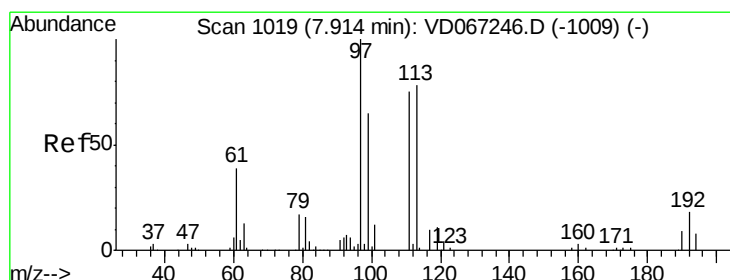
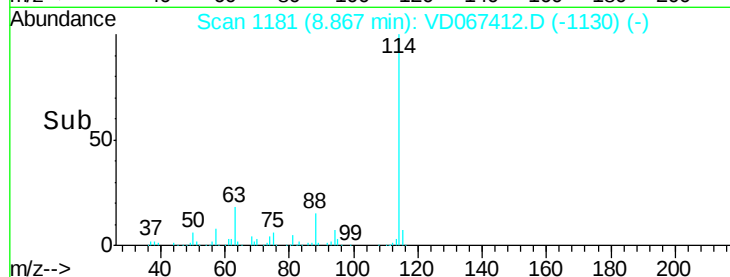
150000

100000

50000

0

Time--> 8.80 8.90 9.00



#35

Dibromofluoromethane

Concen: 50.410 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067412.D

Acq: 27 Oct 2020 15:29

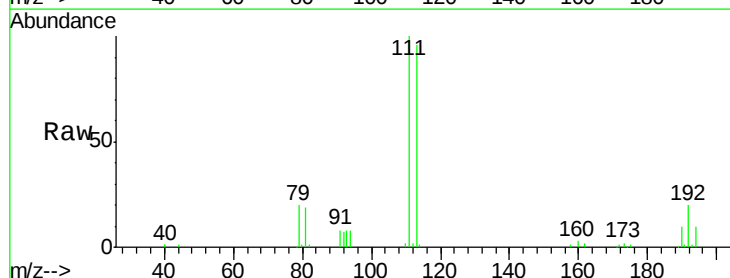
Tgt Ion:113 Resp: 167822

Ion Ratio Lower Upper

113 100

111 103.4 81.6 122.4

192 20.8 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

7.92

100000

80000

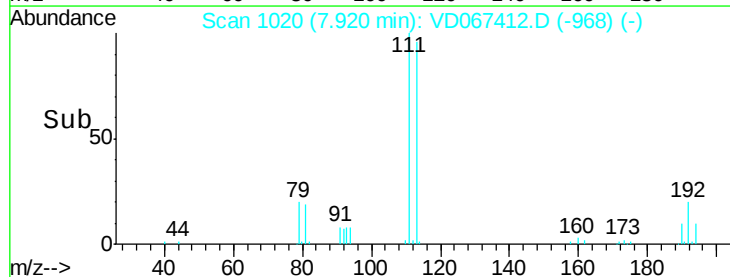
60000

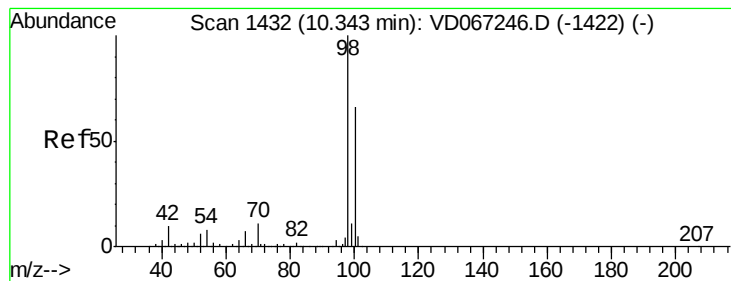
40000

20000

0

Time--> 7.80 7.85 7.90 7.95 8.00





#50

Toluene-d8

Concen: 49.738 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067412.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

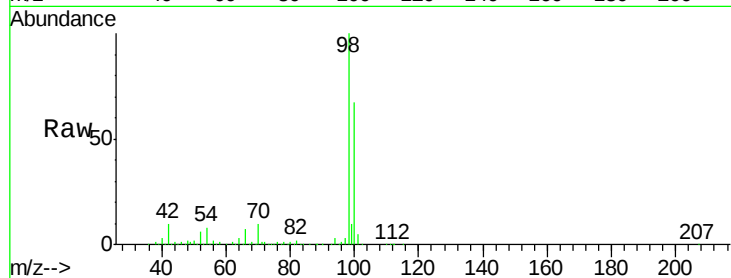
VOC-7

Tot Ion: 98 Resp: 599248

Ion Ratio Lower Upper

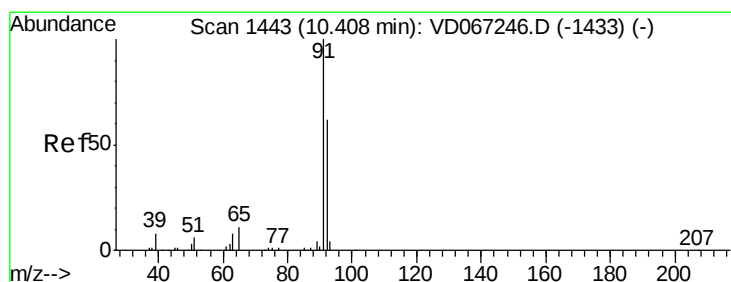
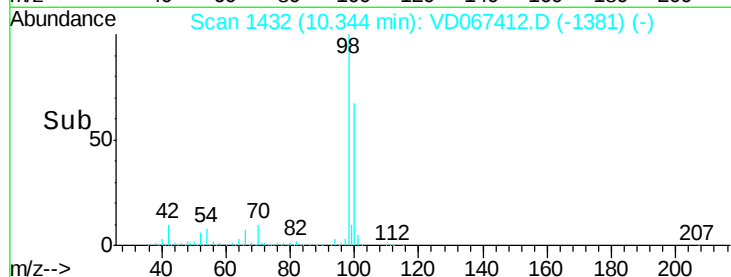
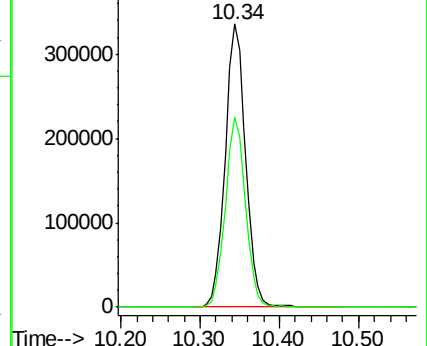
98 100

100 66.3 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#52

Toluene

Concen: 1.794 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD067412.D

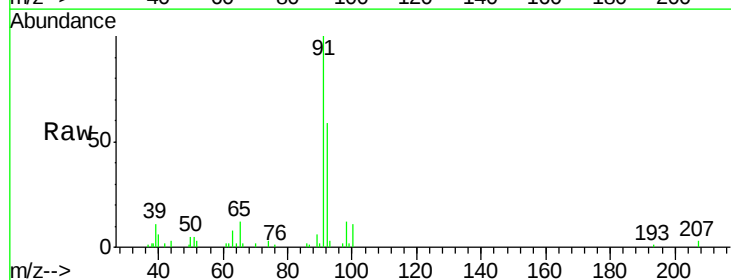
Acq: 27 Oct 2020 15:29

Tgt Ion: 92 Resp: 14209

Ion Ratio Lower Upper

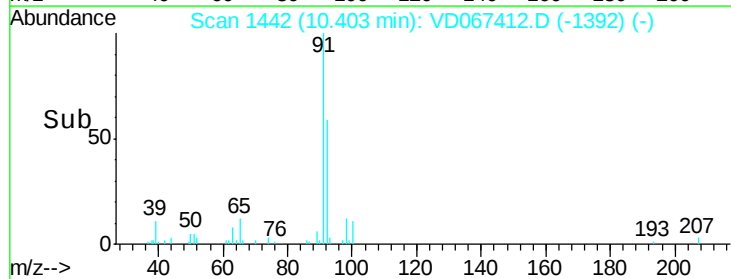
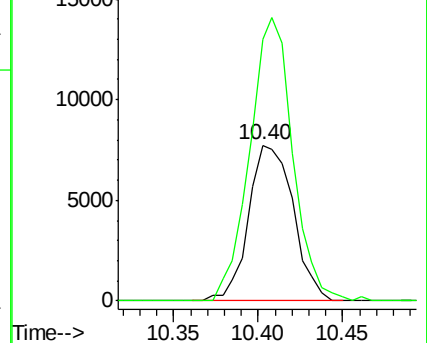
92 100

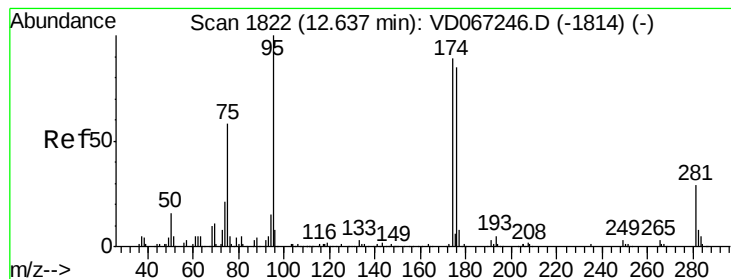
91 175.3 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: 50.658 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067412.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VOC-7

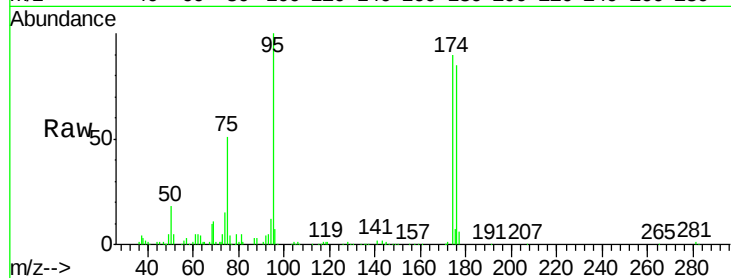
Tot Ion: 95 Resp: 212224

Ion Ratio Lower Upper

95 100

174 91.1 0.0 175.2

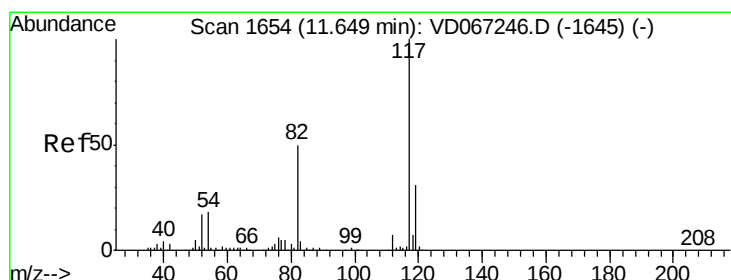
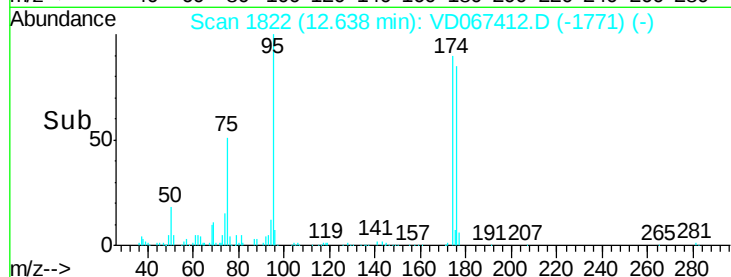
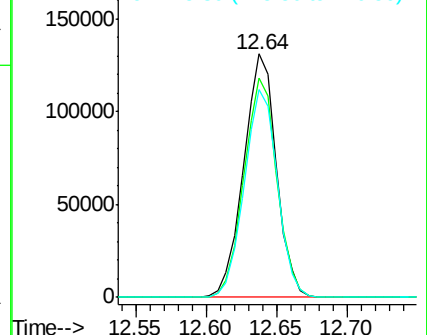
176 86.5 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): VD

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: VD067412.D

Acq: 27 Oct 2020 15:29

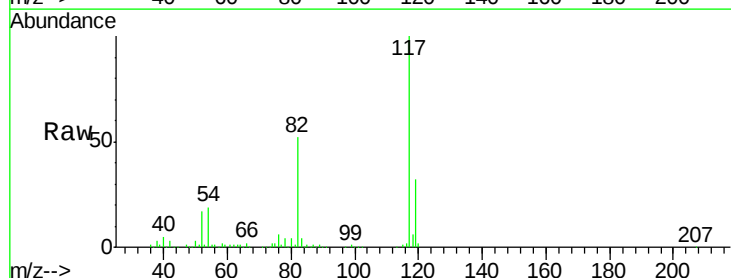
Tgt Ion: 117 Resp: 497232

Ion Ratio Lower Upper

117 100

82 51.8 39.9 59.9

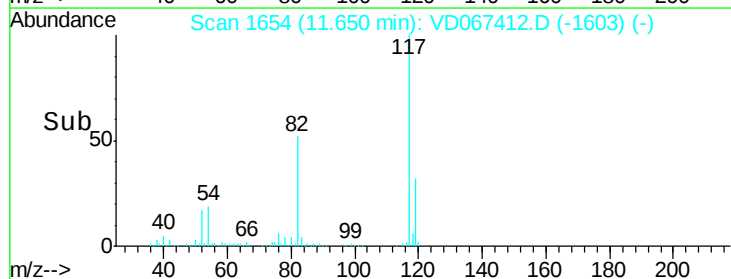
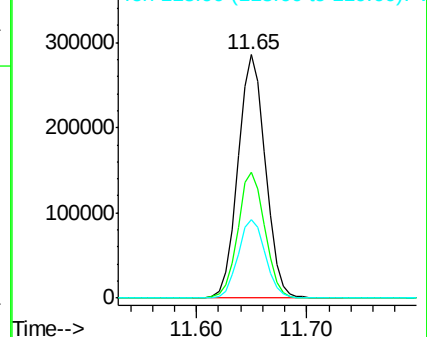
119 32.2 24.9 37.3

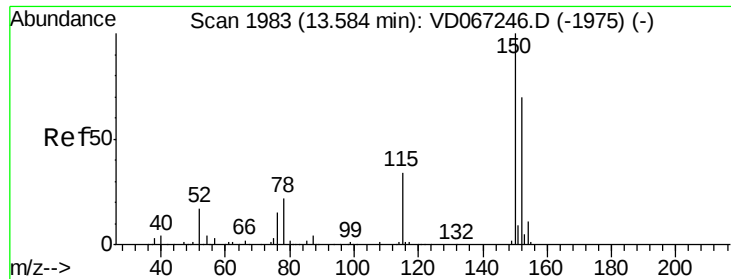


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VD

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: VD067412.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VOC-7

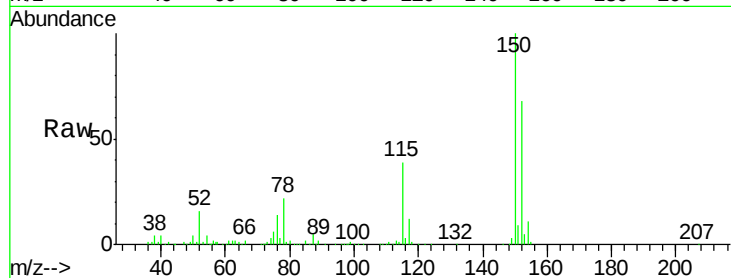
Tot Ion:152 Resp: 248773

Ion Ratio Lower Upper

152 100

115 59.5 29.3 87.9

150 154.4 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

