

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067423.D
 Acq On : 27 Oct 2020 20:32
 Operator : VA/SY
 Sample : L4510-13
 Misc : 5.31G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-13

Quant Time: Oct 28 01:52:36 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

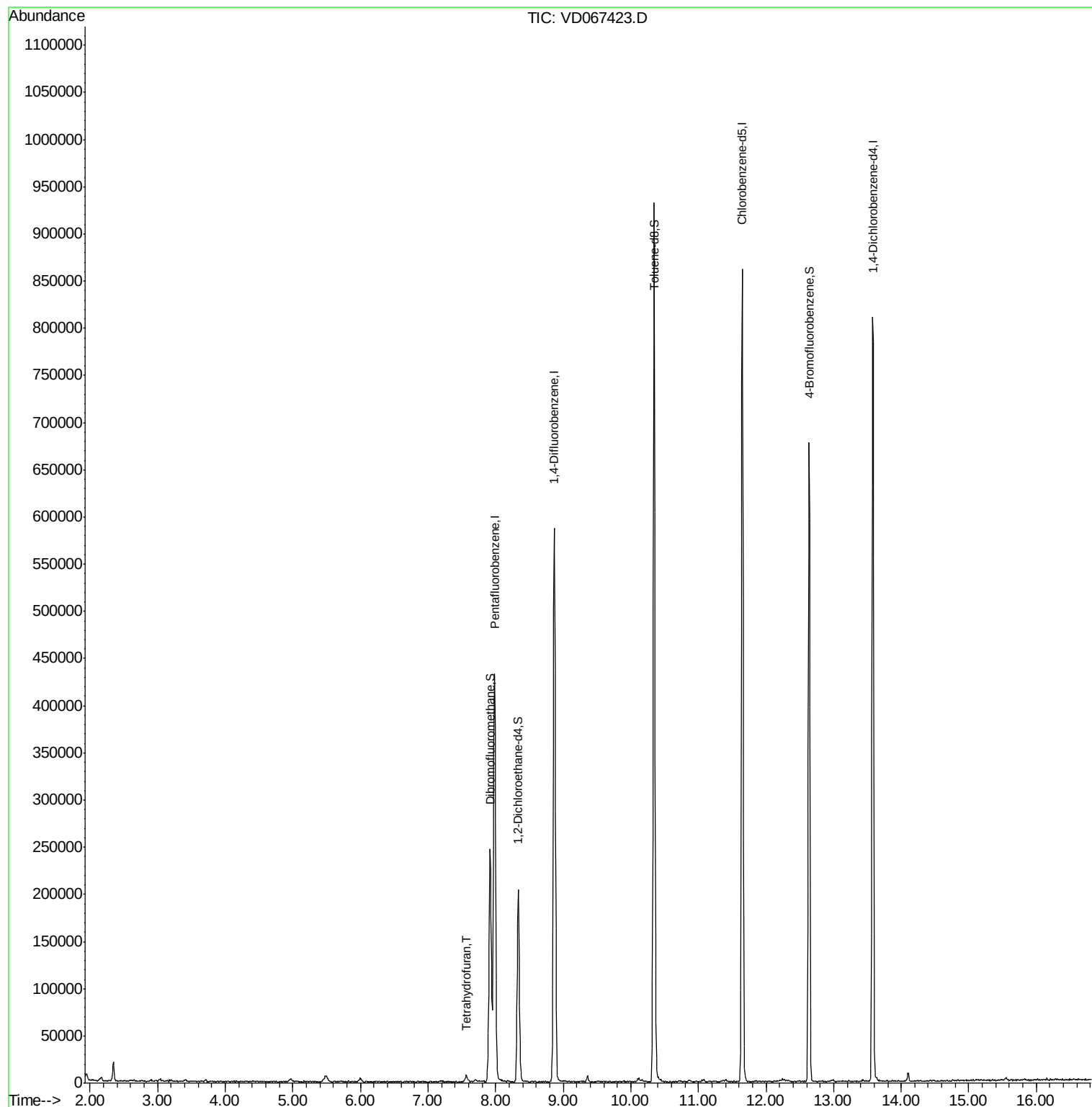
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	328926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	536380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	517120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	229343	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	174350	52.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.82%	
35) Dibromofluoromethane	7.92	113	177129	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.24%	
50) Toluene-d8	10.34	98	633811	49.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.64	95	215623	48.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.00%	
Target Compounds						
29) Tetrahydrofuran	7.57	42	4362	14.916	ug/l #	Qvalue 90

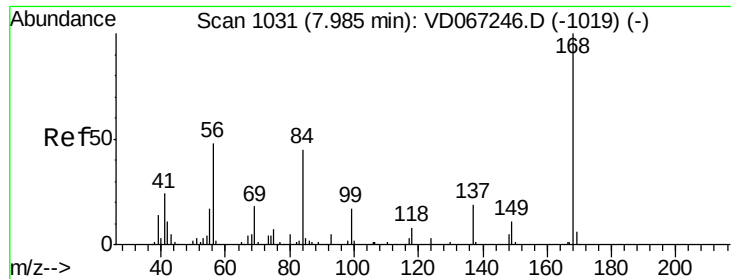
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067423.D

Acq: 27 Oct 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

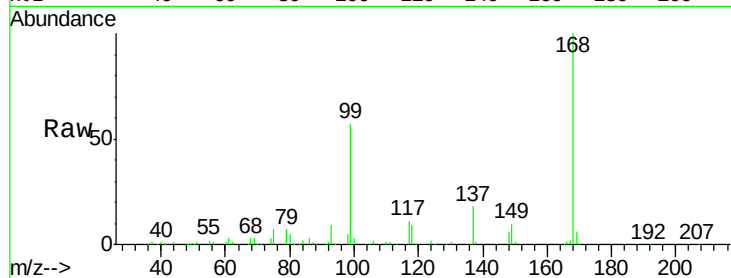
VOC-13

Tot Ion:168 Resp: 328926

Ion Ratio Lower Upper

168 100

99 56.5 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

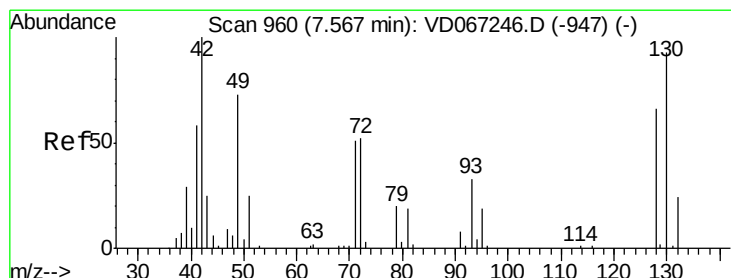
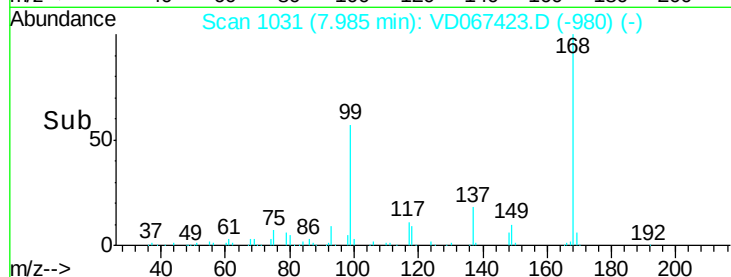
150000

100000

50000

0

Time-->



#29

Tetrahydrofuran

Concen: 14.916 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067423.D

Acq: 27 Oct 2020 20:32

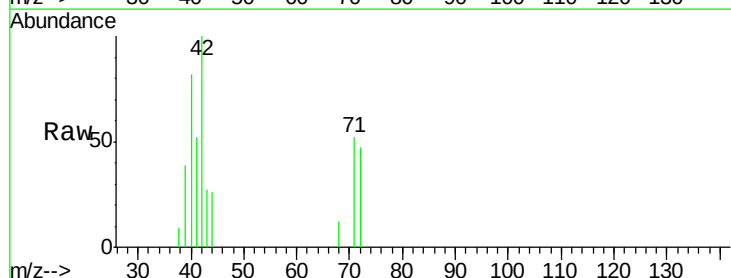
Tgt Ion: 42 Resp: 4362

Ion Ratio Lower Upper

42 100

72 57.0 43.2 64.8

71 59.9 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

2500

2000

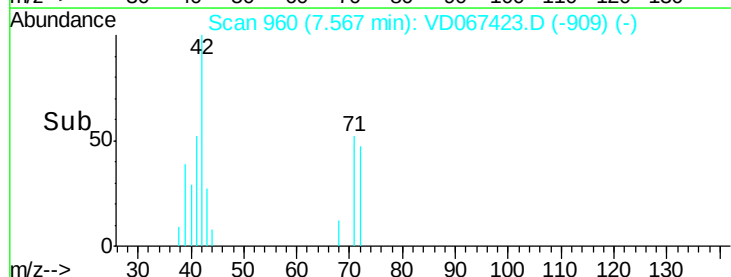
1500

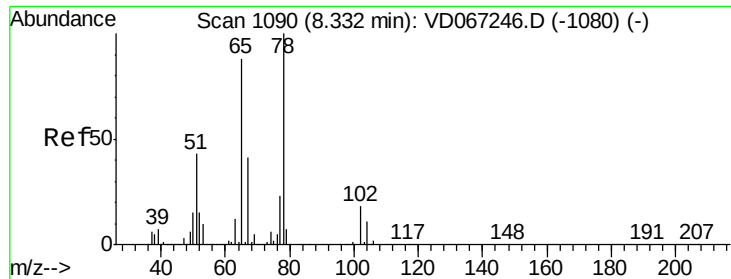
1000

500

0

Time-->

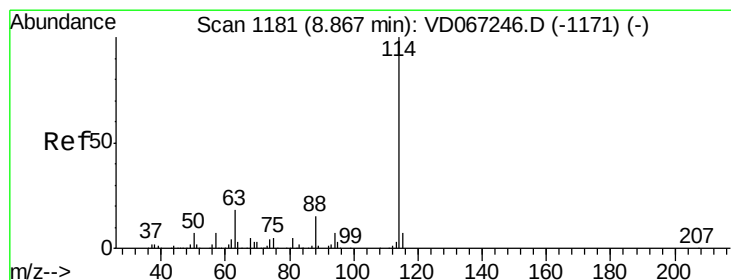
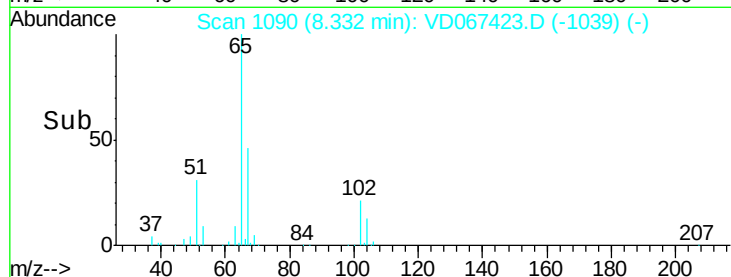
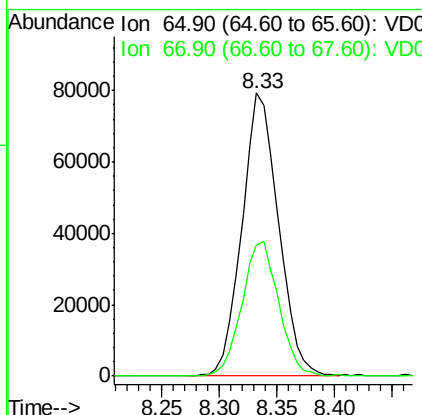
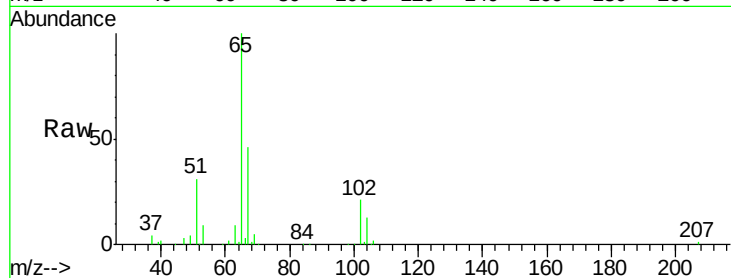




#33
 1,2-Dichloroethane-d4
 Concen: 52.908 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067423.D
 Acq: 27 Oct 2020 20:32

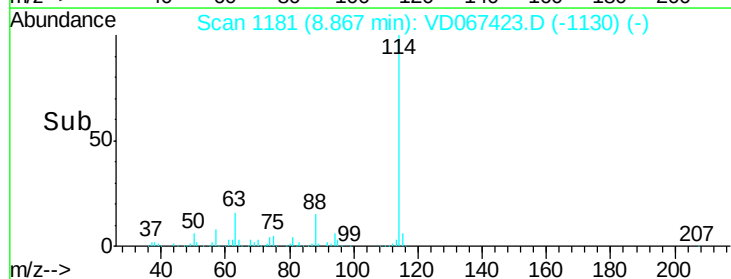
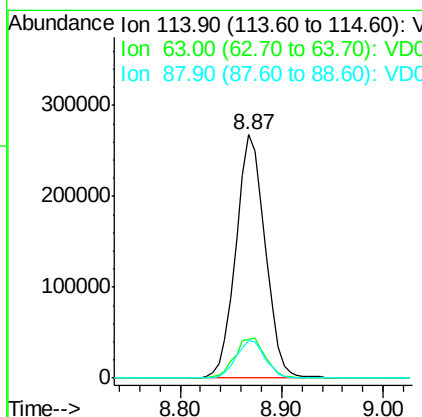
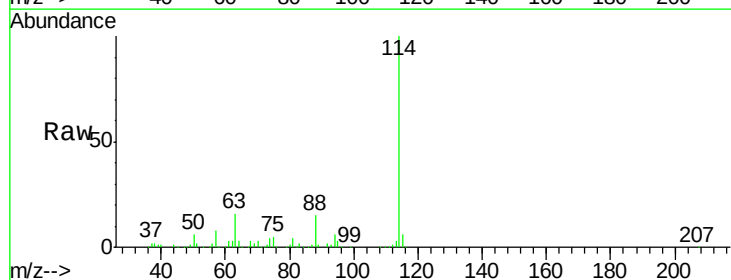
Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-13

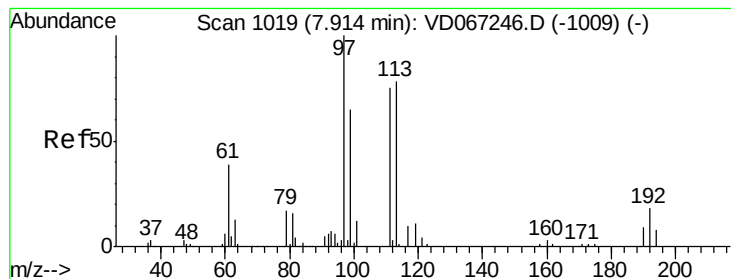
Tot Ion: 65 Resp: 174350
 Ion Ratio Lower Upper
 65 100
 67 47.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067423.D
 Acq: 27 Oct 2020 20:32

Tgt Ion: 114 Resp: 536380
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 35.0
 88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.621 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067423.D

Acq: 27 Oct 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

VOC-13

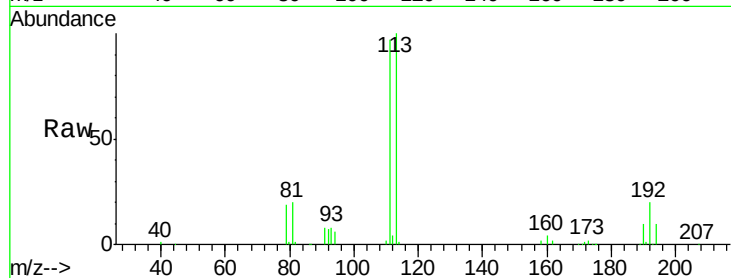
Tot Ion:113 Resp: 177129

Ion Ratio Lower Upper

113 100

111 102.5 81.6 122.4

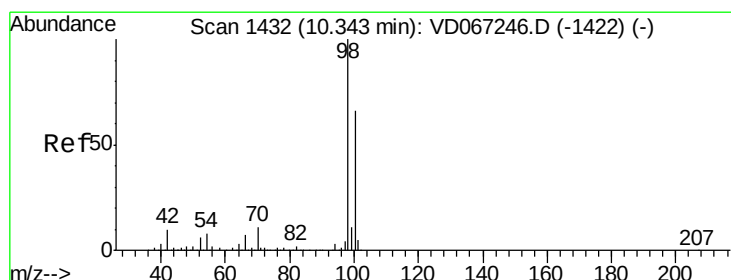
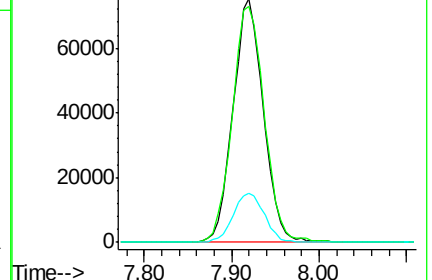
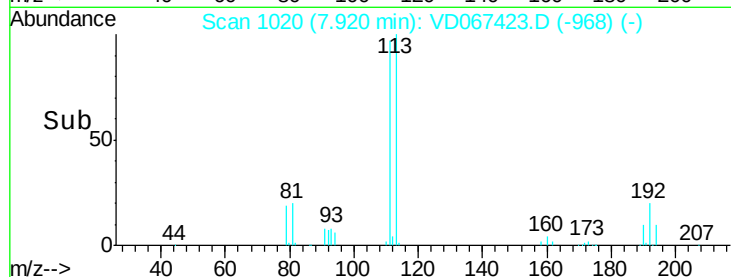
192 20.7 17.0 25.4



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



#50

Toluene-d8

Concen: 49.064 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067423.D

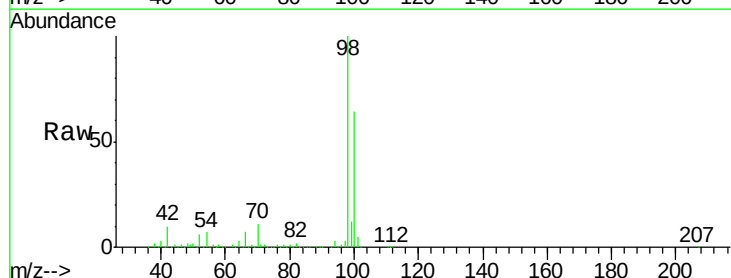
Acq: 27 Oct 2020 20:32

Tgt Ion: 98 Resp: 633811

Ion Ratio Lower Upper

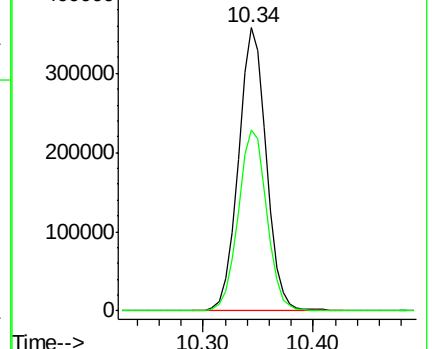
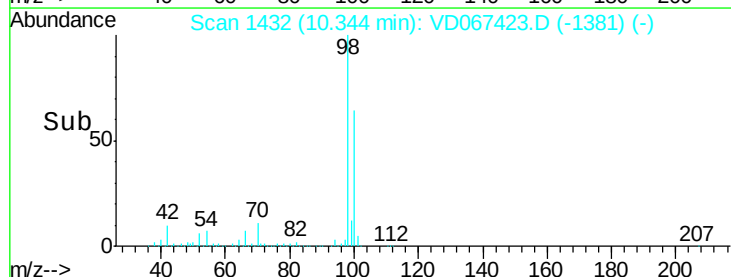
98 100

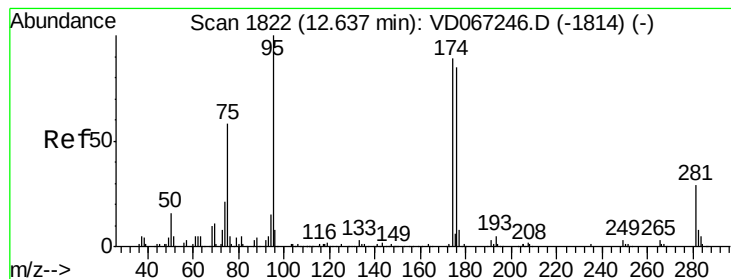
100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.003 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067423.D

Acq: 27 Oct 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

VOC-13

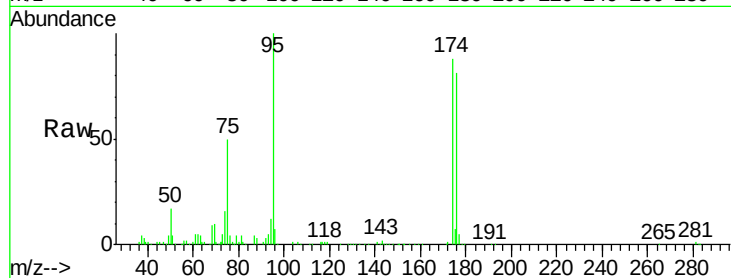
Tot Ion: 95 Resp: 215623

Ion Ratio Lower Upper

95 100

174 89.0 0.0 175.2

176 84.7 0.0 168.6

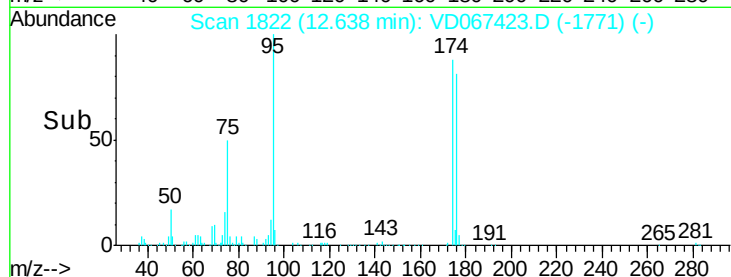


Abundance Ion 94.90 (94.60 to 95.60): VD067423.D (-1771) (-)

Ion 173.80 (173.50 to 174.50): VD067423.D (-1771) (-)

Ion 175.80 (175.50 to 176.50): VD067423.D (-1771) (-)

Time-->



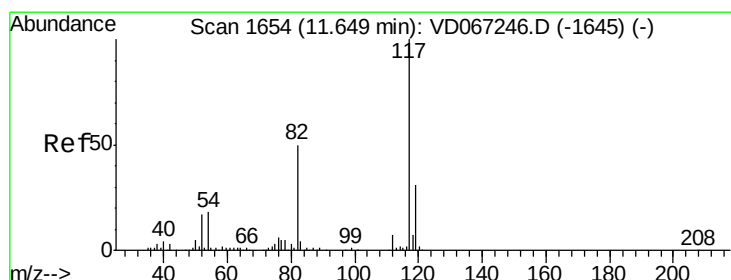
Abundance

Ion 94.90 (94.60 to 95.60): VD067423.D (-1771) (-)

Ion 173.80 (173.50 to 174.50): VD067423.D (-1771) (-)

Ion 175.80 (175.50 to 176.50): VD067423.D (-1771) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067423.D

Acq: 27 Oct 2020 20:32

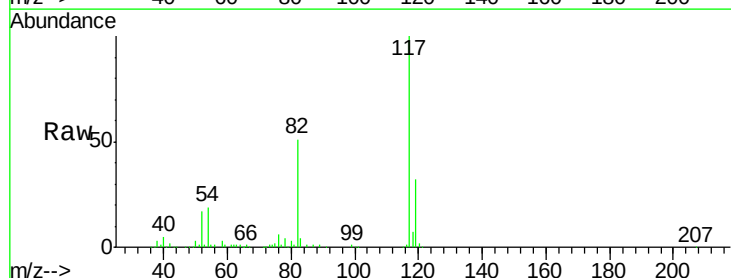
Tgt Ion: 117 Resp: 517120

Ion Ratio Lower Upper

117 100

82 51.3 39.9 59.9

119 32.0 24.9 37.3

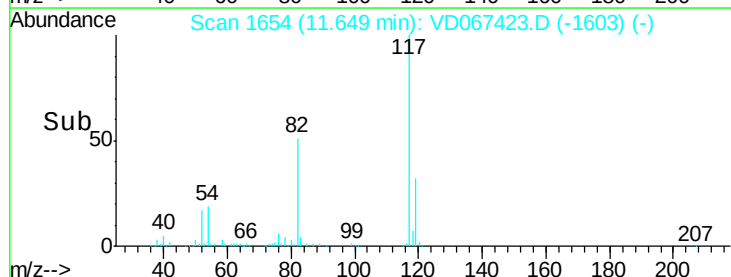


Abundance Ion 116.90 (116.60 to 117.60): VD067423.D (-1603) (-)

Ion 82.00 (81.70 to 82.70): VD067423.D (-1603) (-)

Ion 118.90 (118.60 to 119.60): VD067423.D (-1603) (-)

Time-->



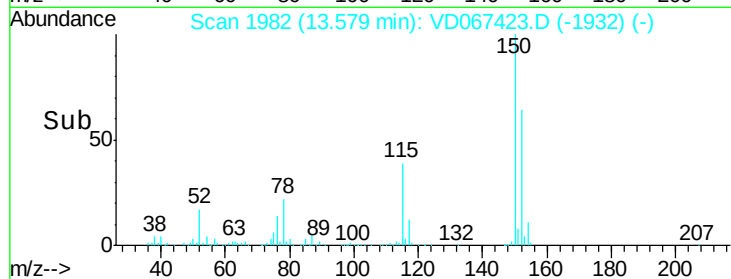
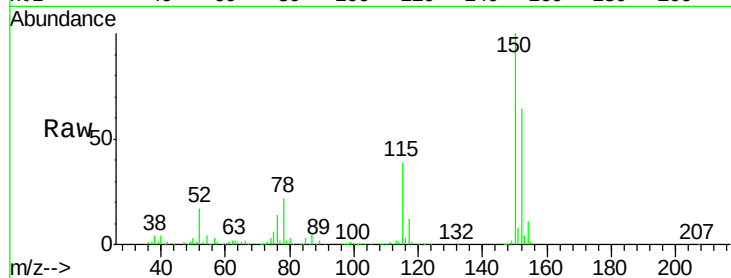
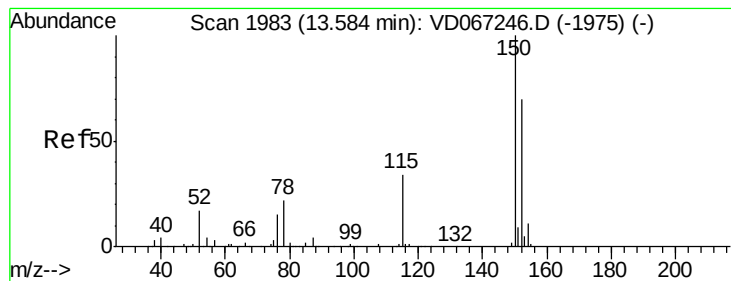
Abundance

Ion 116.90 (116.60 to 117.60): VD067423.D (-1603) (-)

Ion 82.00 (81.70 to 82.70): VD067423.D (-1603) (-)

Ion 118.90 (118.60 to 119.60): VD067423.D (-1603) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067423.D

Acq: 27 Oct 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

VOC-13

Tot Ion:152 Resp: 229343

Ion Ratio Lower Upper

152 100

115 61.1 29.3 87.9

150 158.8 0.0 339.0

