

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035249.D
 Acq On : 29 Jul 2020 16:50
 Operator : SY/AP
 Sample : L3474-02DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VOA-HALLWAYDL2

Quant Time: Jul 30 11:54:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1256228	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3012281	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2837330	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2283969	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

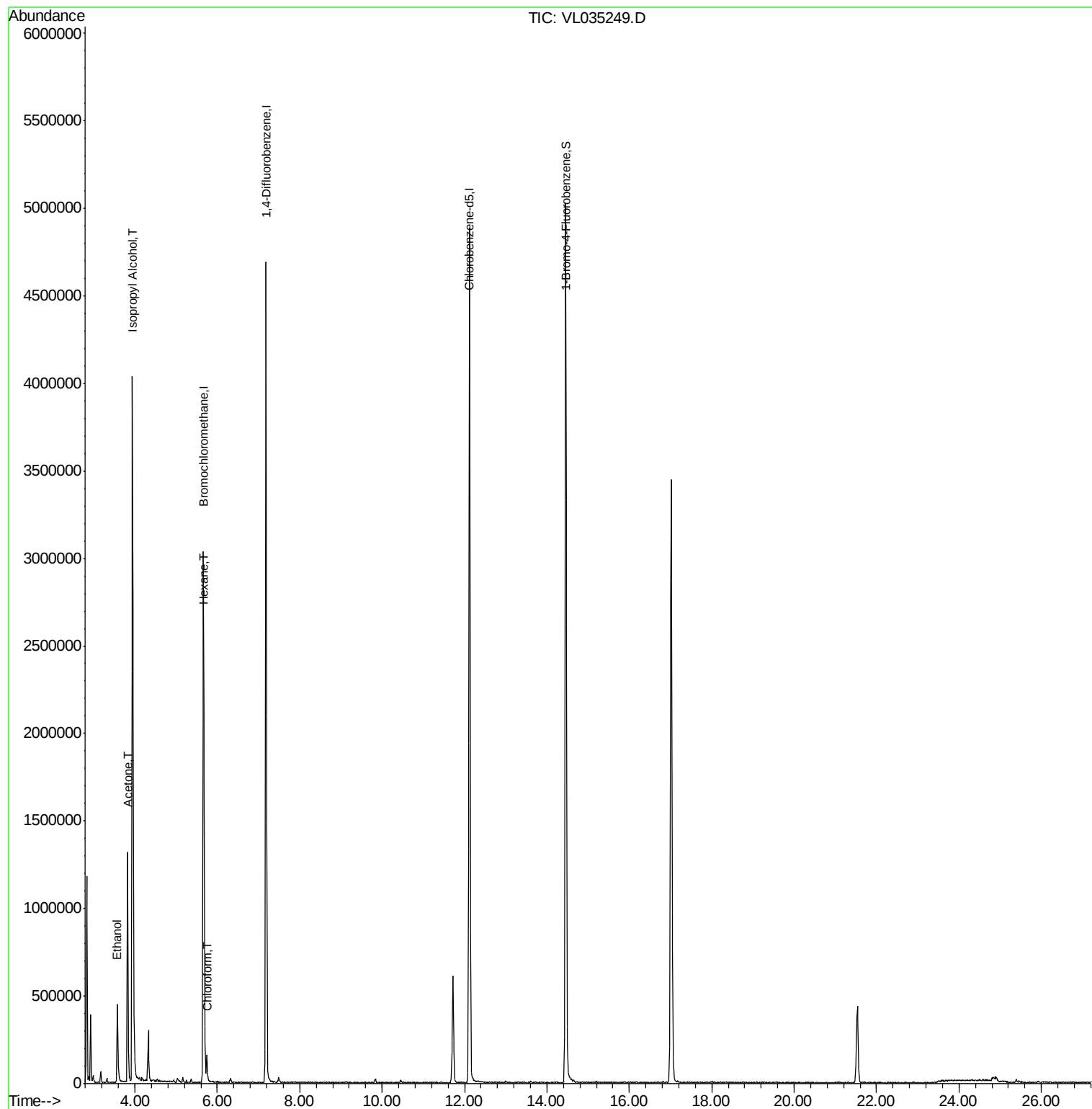
Target Compounds					Ovalue
13) Ethanol	3.57	45	423109	21.447 ppbv	93
15) Acetone	3.82	43	1253398	7.480 ppbv	100
19) Isopropyl Alcohol	3.94	45	4425706	40.047 ppbv #	98
26) Hexane	5.68	57	221871	1.879 ppbv #	41
29) Chloroform	5.74	83	90363	0.456 ppbv	94

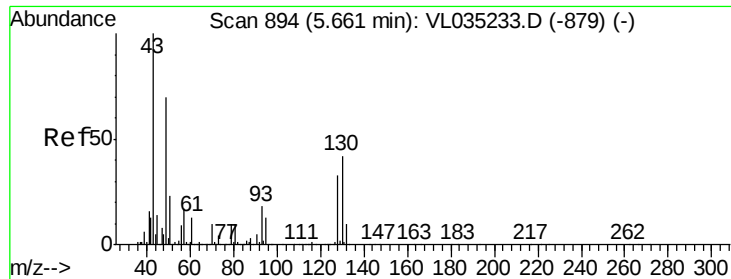
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

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MSVOA_L

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VOA-HALLWAYDL2

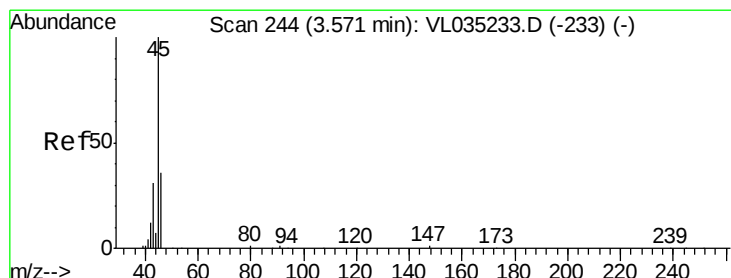
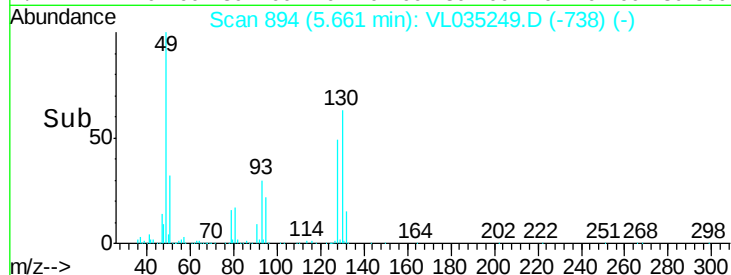
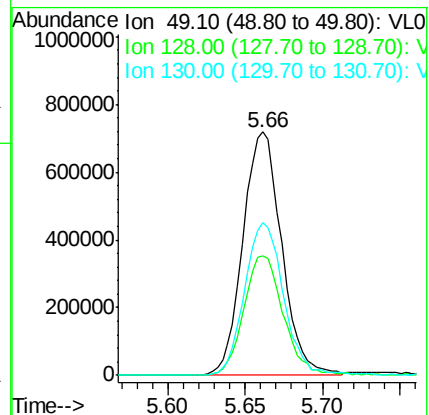
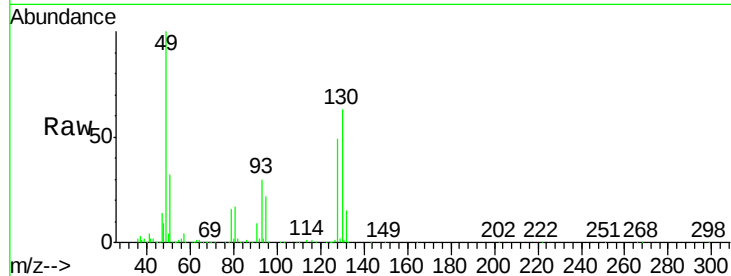
Tot Ion: 49 Resp: 1256228

Ion Ratio Lower Upper

49 100

128 50.4 24.0 72.0

130 63.8 30.7 92.1



#13

Ethanol

Concen: 21.447 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.00 min

Lab File: VL035249.D

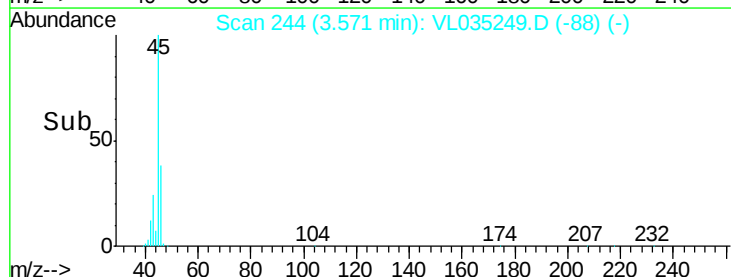
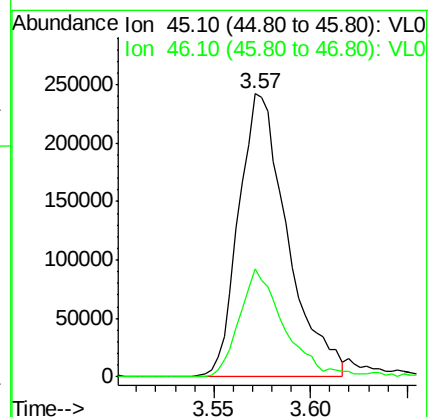
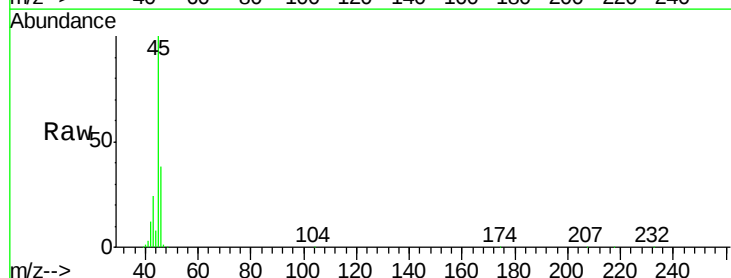
Acq: 29 Jul 2020 16:50

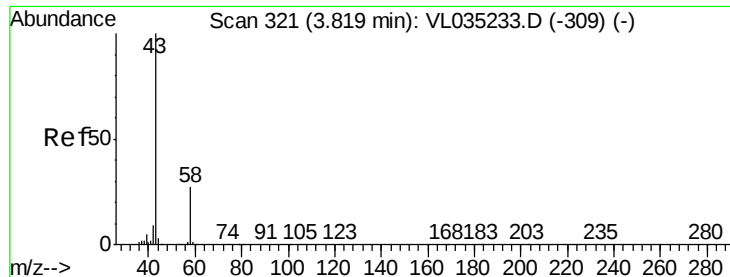
Tgt Ion: 45 Resp: 423109

Ion Ratio Lower Upper

45 100

46 35.5 15.8 63.4





#15

Acetone

Concen: 7.480 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.00 min

Lab File: VL035249.D

Acq: 29 Jul 2020 16:50

Instrument :

MSVOA_L

ClientSampleId :

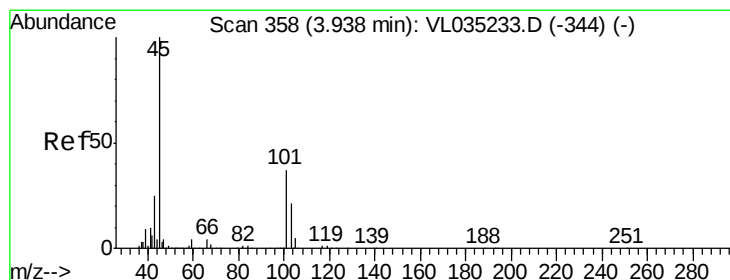
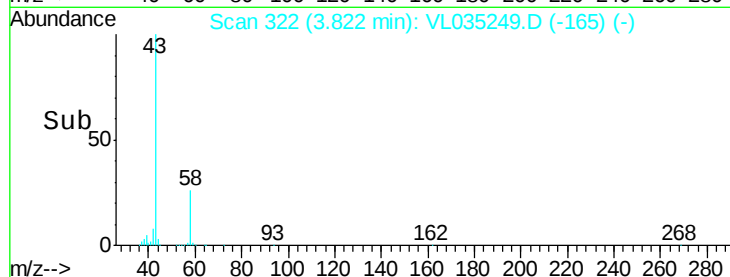
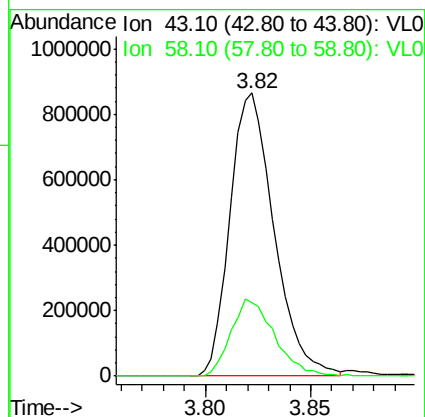
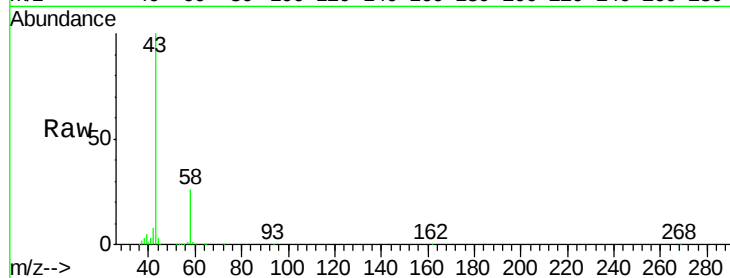
VOA-HALLWAYDL2

Tot Ion: 43 Resp: 1253398

Ion Ratio Lower Upper

43 100

58 27.3 21.8 32.6



#19

Isopropyl Alcohol

Concen: 40.047 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL035249.D

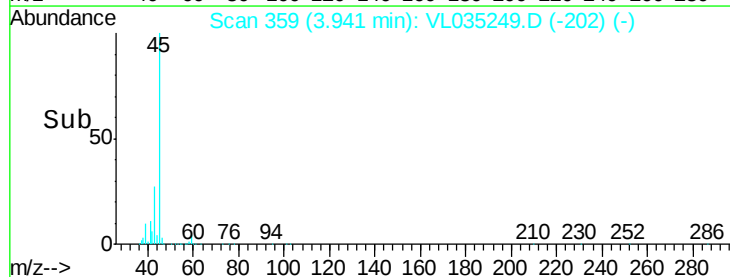
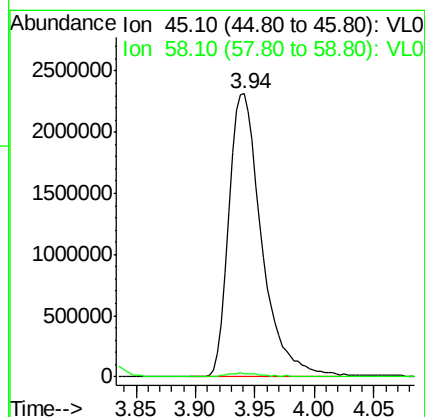
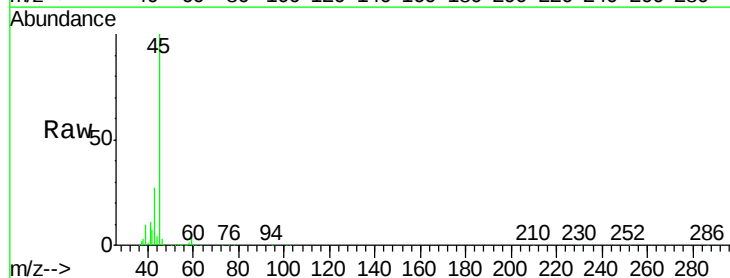
Acq: 29 Jul 2020 16:50

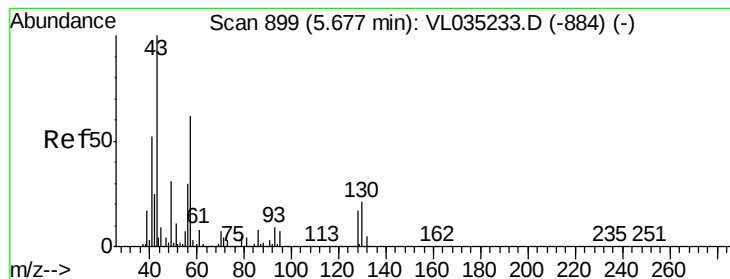
Tgt Ion: 45 Resp: 4425706

Ion Ratio Lower Upper

45 100

58 1.6 1.9 2.9#





#26

Hexane

Concen: 1.879 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.00 min

Lab File: VL035249.D

Acq: 29 Jul 2020 16:50

Instrument :

MSVOA_L

ClientSampleId :

VOA-HALLWAYDL2

Tot Ion: 57 Resp: 221871

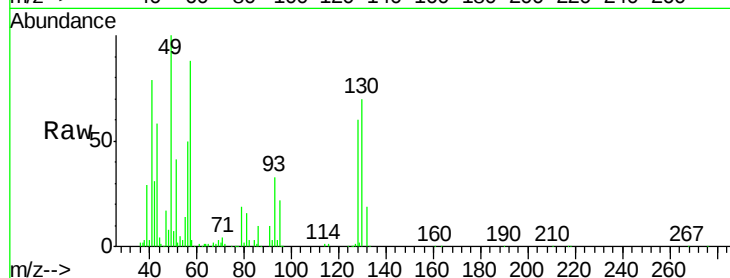
Ion Ratio Lower Upper

57 100

41 98.2 73.9 110.9

43 71.6 177.6 266.4#

56 58.5 43.0 64.4

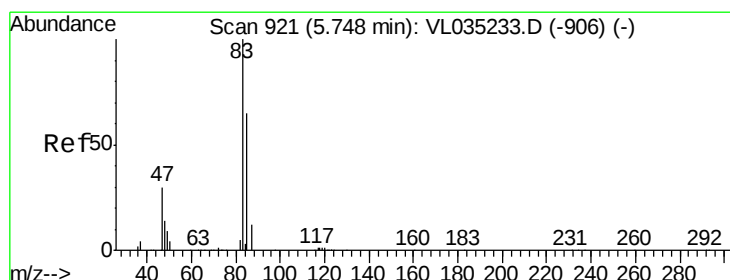
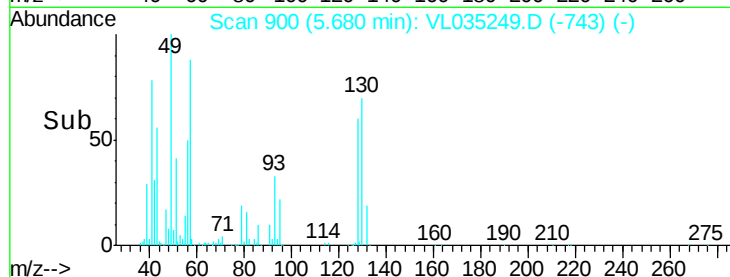
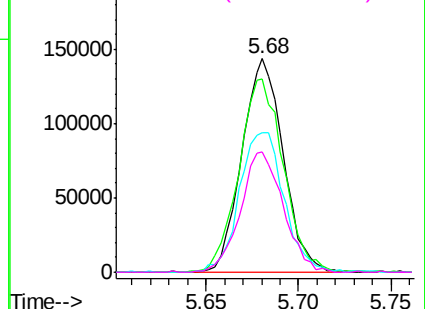


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#29

Chloroform

Concen: 0.456 ppbv

RT: 5.74 min Scan# 920

Delta R.T. -0.00 min

Lab File: VL035249.D

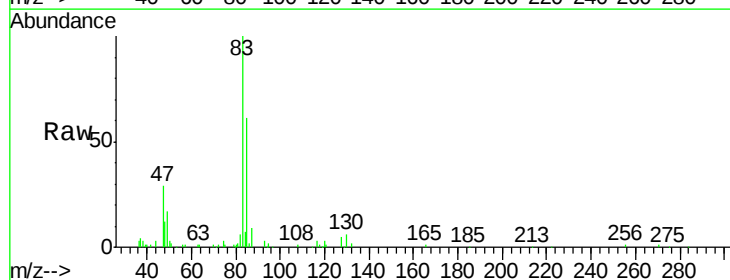
Acq: 29 Jul 2020 16:50

Tgt Ion: 83 Resp: 90363

Ion Ratio Lower Upper

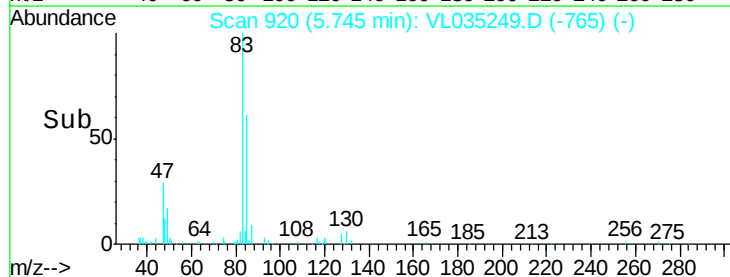
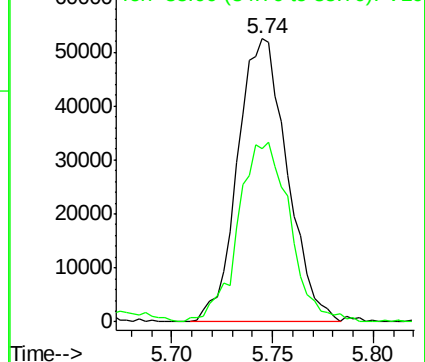
83 100

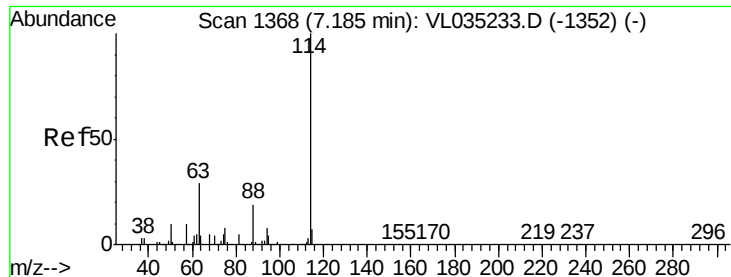
85 60.0 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VL035249.D

Acq: 29 Jul 2020 16:50

Instrument :

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VOA-HALLWAYDL2

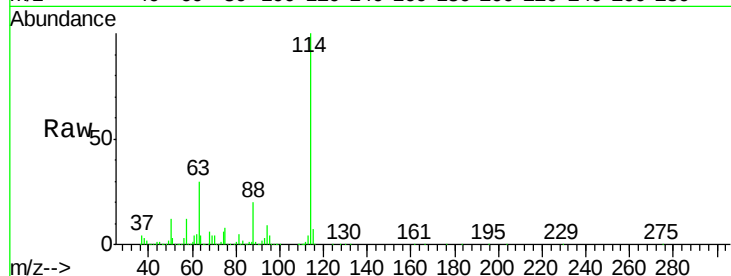
Tot Ion:114 Resp: 3012281

Ion Ratio Lower Upper

114 100

63 28.0 22.2 33.2

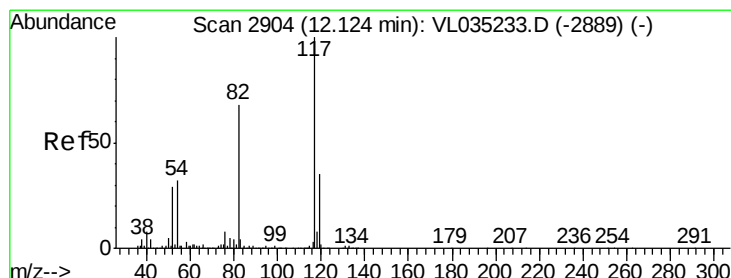
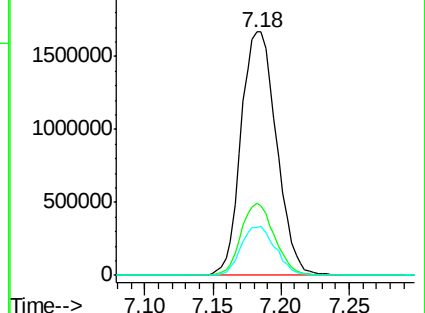
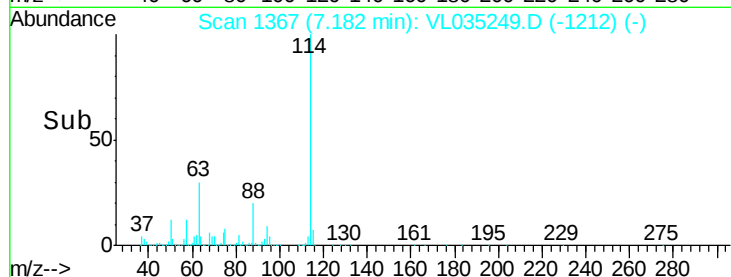
88 19.5 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. -0.01 min

Lab File: VL035249.D

Acq: 29 Jul 2020 16:50

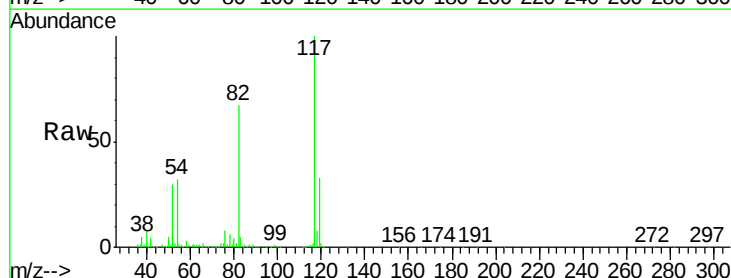
Tgt Ion:117 Resp: 2837330

Ion Ratio Lower Upper

117 100

82 68.7 52.4 78.6

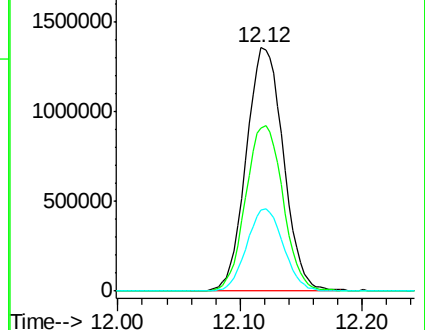
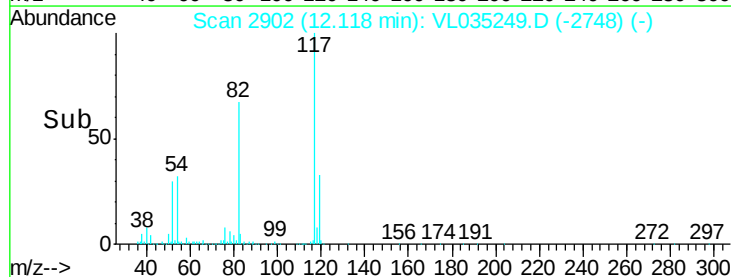
119 33.5 24.6 36.8

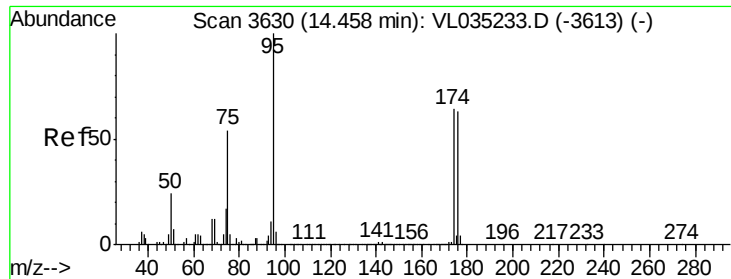


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.074 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.00 min

Lab File: VL035249.D

Acq: 29 Jul 2020 16:50

Instrument :

MSVOA_L

ClientSampleId :

VOA-HALLWAYDL2

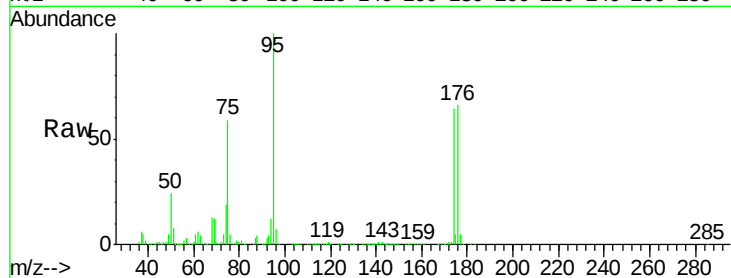
Tot Ion: 95 Resp: 2283969

Ion Ratio Lower Upper

95 100

174 65.2 52.7 79.1

175 4.6 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

