

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092920\
 Data File : VL035729.D
 Acq On : 29 Sep 2020 18:04
 Operator : SY/AP
 Sample : L4174-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1ADL

Quant Time: Sep 30 04:03:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1186893	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4282217	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4260074	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3237528	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

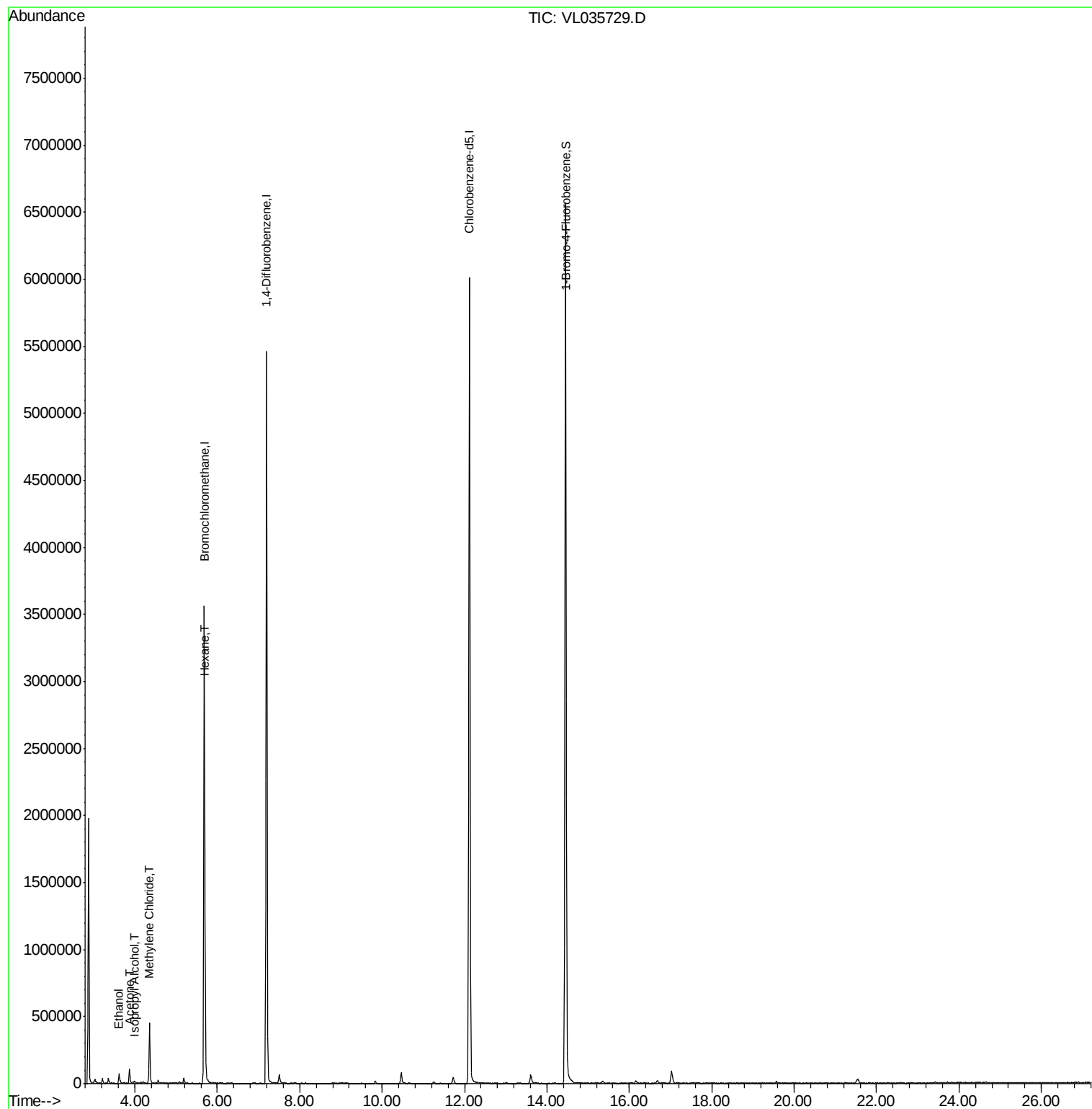
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	67299	5.886	ppbv	96
15) Acetone	3.86	43	96277	0.754	ppbv	88
19) Isopropyl Alcohol	3.99	45	14762	0.212	ppbv #	83
20) Methylene Chloride	4.35	84	195663	2.086	ppbv	98
26) Hexane	5.70	57	98263	0.780	ppbv #	52

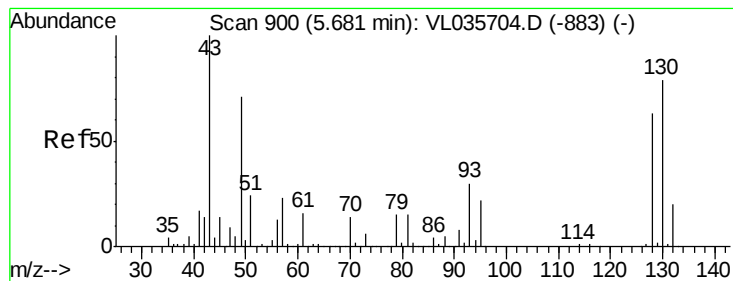
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.00 min

Lab File: VL035729.D

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Instrument :

MSVOA_L

ClientSampleId :

IA1ADL

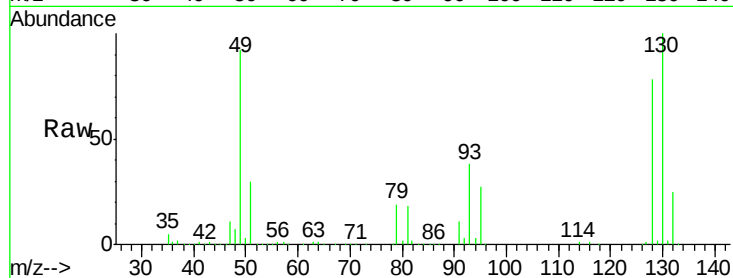
Tot Ion: 49 Resp: 1186893

Ion Ratio Lower Upper

49 100

128 83.5 43.1 129.4

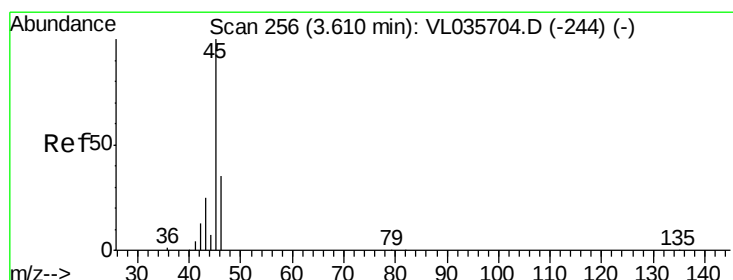
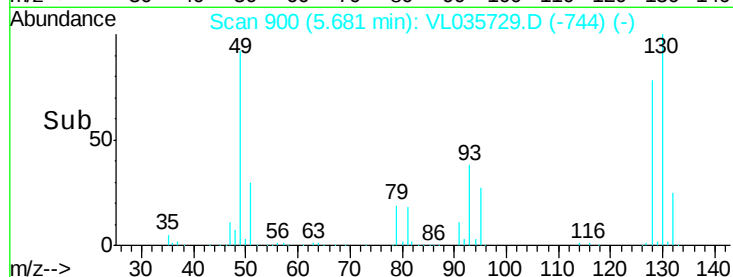
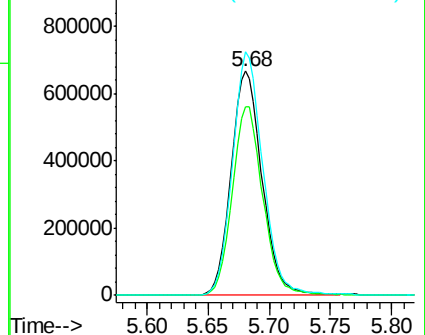
130 106.7 54.9 164.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 5.886 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.00 min

Lab File: VL035729.D

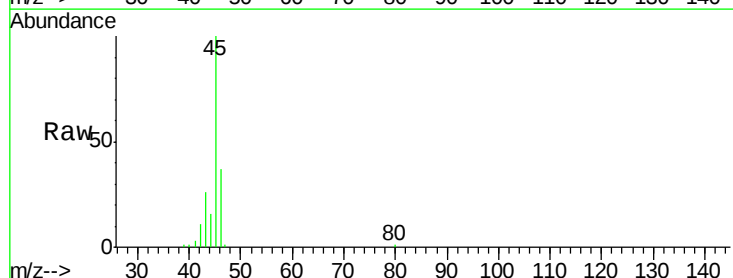
Acq: 29 Sep 2020 18:04

Tgt Ion: 45 Resp: 67299

Ion Ratio Lower Upper

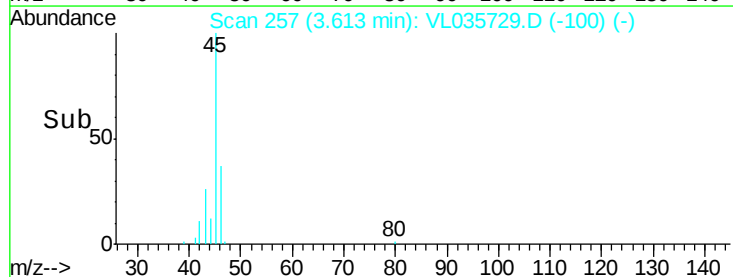
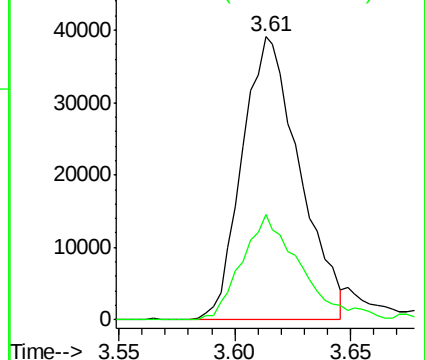
45 100

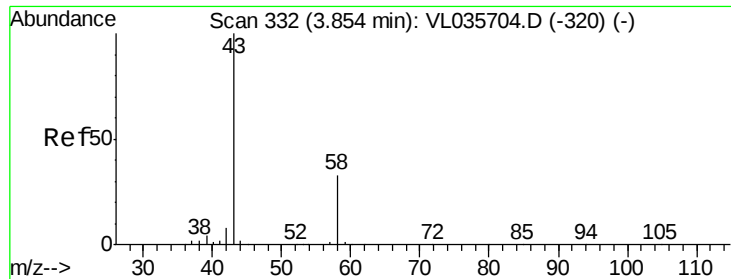
46 39.2 14.7 58.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.754 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL035729.D

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Instrument :

MSVOA_L

ClientSampleId :

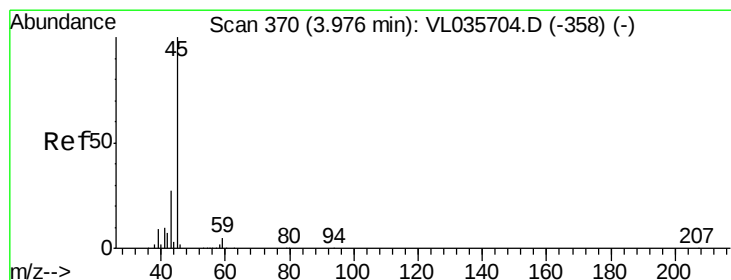
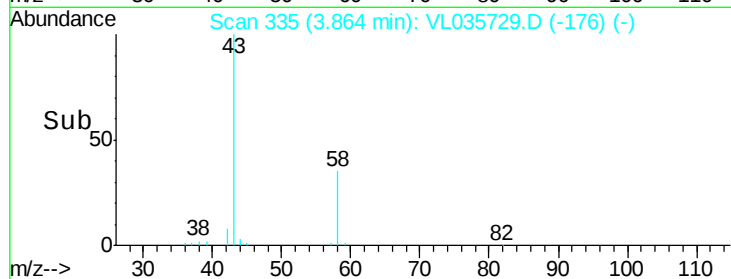
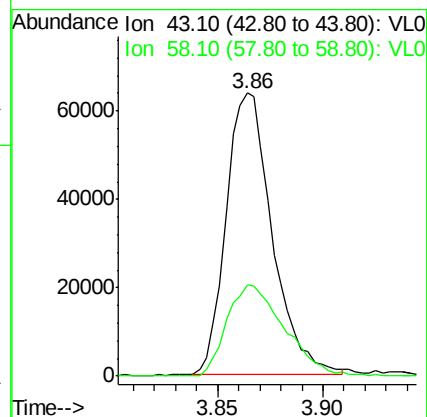
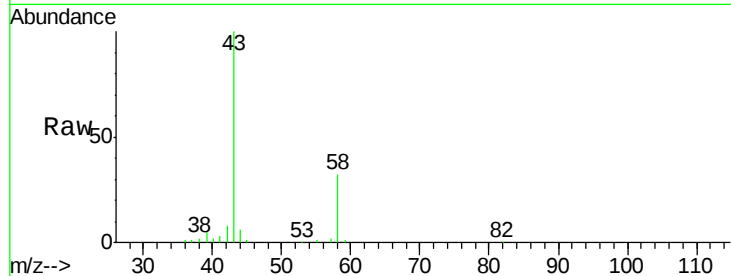
IA1ADL

Tot Ion: 43 Resp: 96277

Ion Ratio Lower Upper

43 100

58 40.8 27.3 40.9



#19

Isopropyl Alcohol

Concen: 0.212 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.02 min

Lab File: VL035729.D

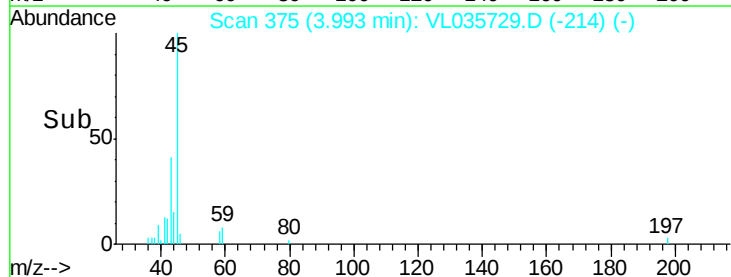
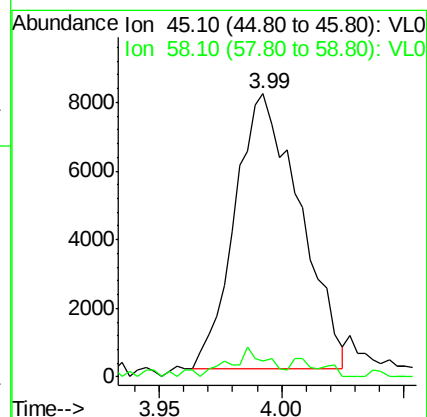
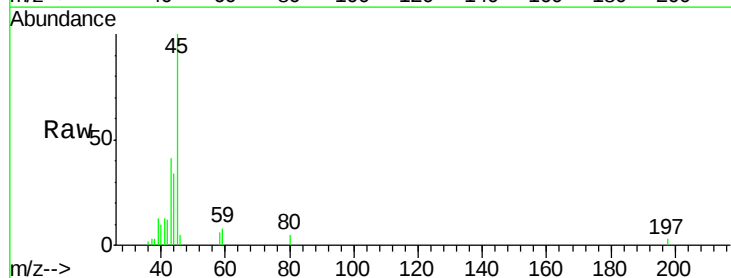
Acq: 29 Sep 2020 18:04

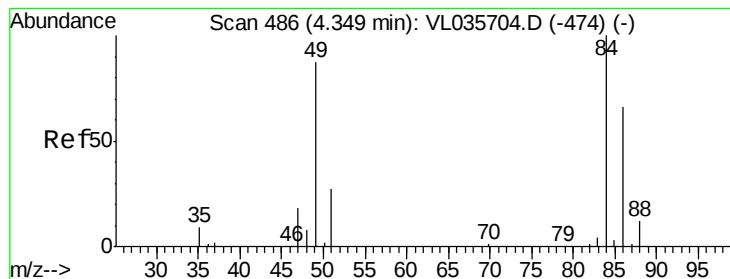
Tgt Ion: 45 Resp: 14762

Ion Ratio Lower Upper

45 100

58 9.0 2.8 4.2#





#20

Methvlene Chloride

Concen: 2.086 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.00 min

Lab File: VL035729.D

Acq: 29 Sep 2020 18:04

Instrument :

MSVOA_L

ClientSampleId :

IA1ADL

Tot Ion: 84 Resp: 195663

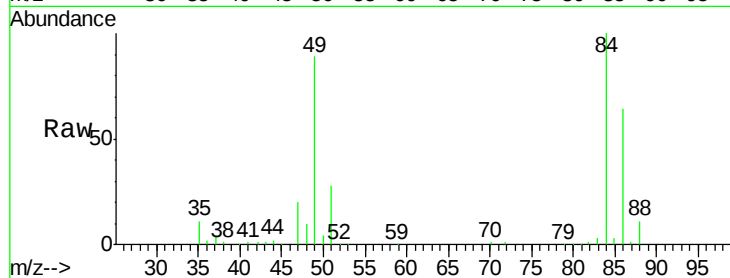
Ion Ratio Lower Upper

84 100

49 89.2 69.8 104.6

51 28.3 21.8 32.8

86 64.2 52.6 78.8



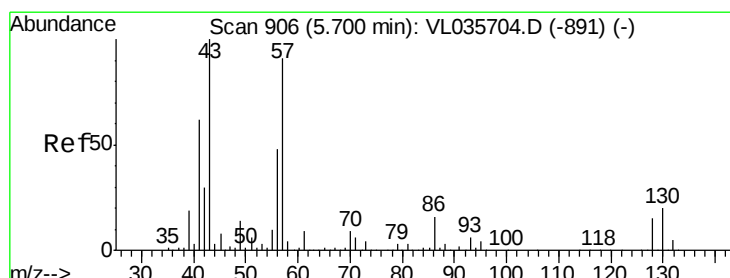
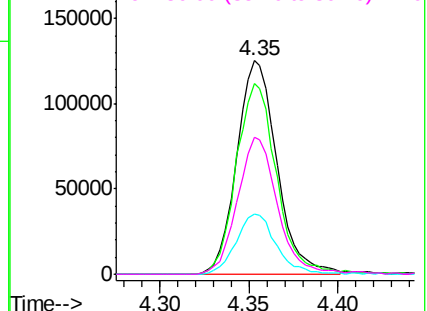
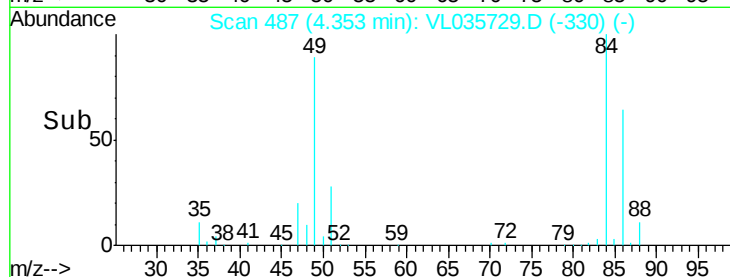
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#26

Hexane

Concen: 0.780 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.00 min

Lab File: VL035729.D

Acq: 29 Sep 2020 18:04

Tgt Ion: 57 Resp: 98263

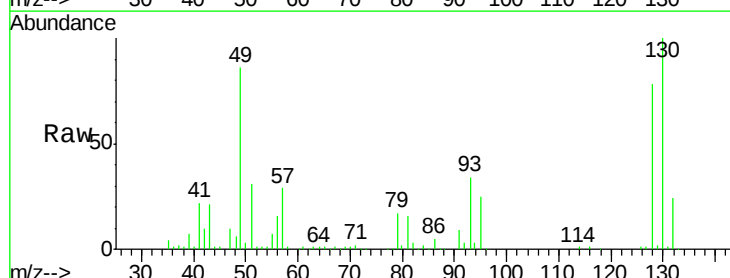
Ion Ratio Lower Upper

57 100

41 79.6 57.9 86.9

43 70.5 143.8 215.6#

56 58.2 43.0 64.6



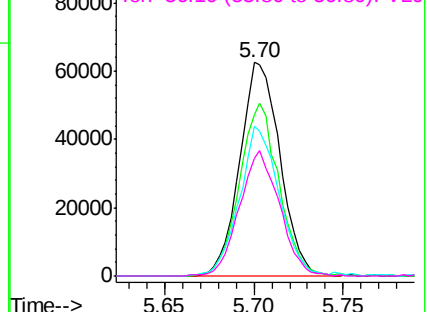
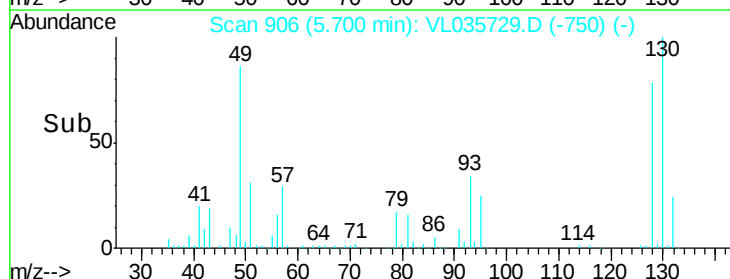
Abundance

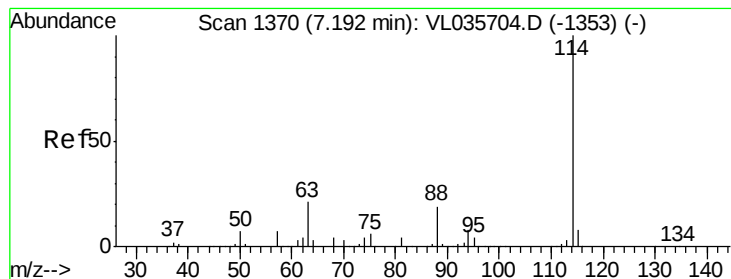
Ion 57.10 (56.80 to 57.80): VL0

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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VL035729.D

Acq: 29 Sep 2020 18:04

Instrument :

MSVOA_L

ClientSampleId :

IA1ADL

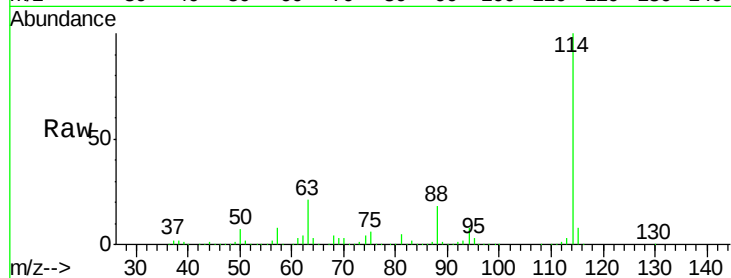
Tot Ion:114 Resp: 4282217

Ion Ratio Lower Upper

114 100

63 20.0 16.1 24.1

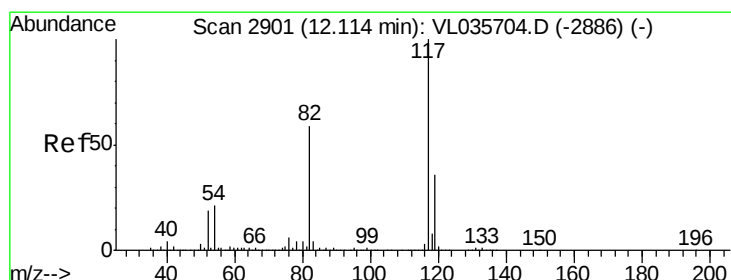
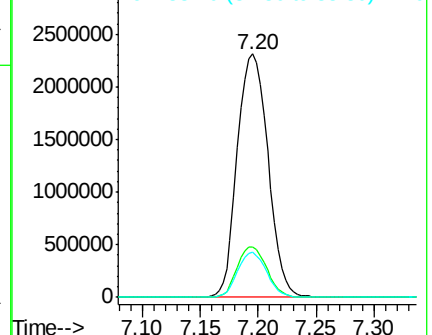
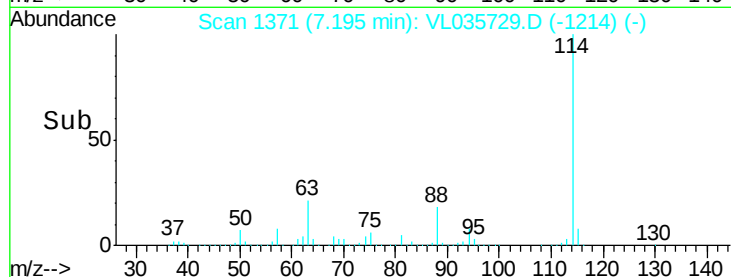
88 17.5 14.1 21.1



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. 0.00 min

Lab File: VL035729.D

Acq: 29 Sep 2020 18:04

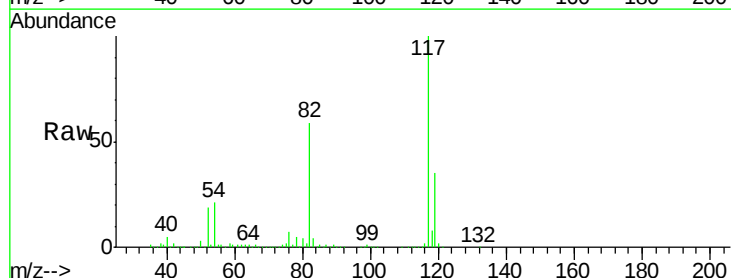
Tgt Ion:117 Resp: 4260074

Ion Ratio Lower Upper

117 100

82 58.7 46.1 69.1

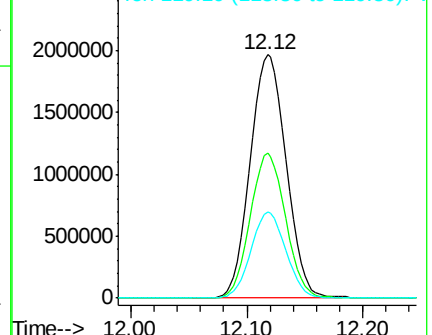
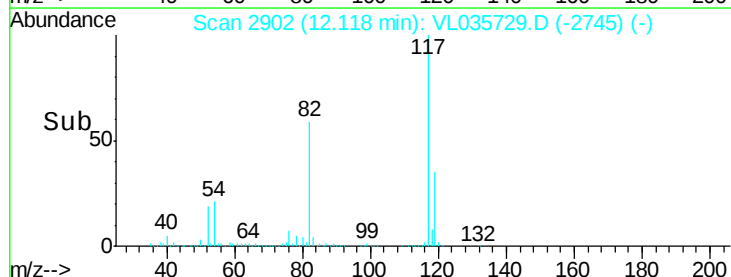
119 34.4 28.0 42.0

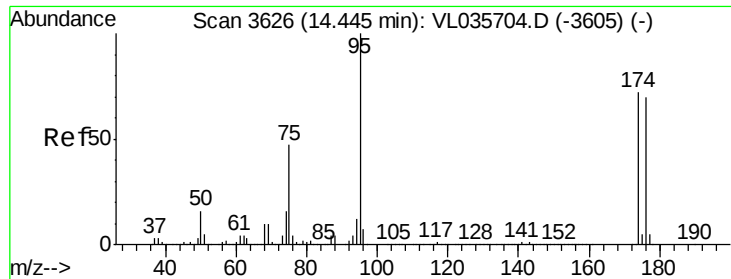


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.142 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. 0.01 min

Lab File: VL035729.D

Acq: 29 Sep 2020 18:04

Instrument :

MSVOA_L

ClientSampleId :

IA1ADL

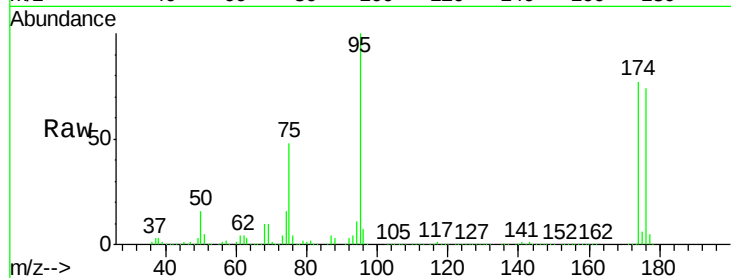
Tot Ion: 95 Resp: 3237528

Ion Ratio Lower Upper

95 100

174 77.4 59.6 89.4

175 5.6 4.2 6.4



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

