

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035033.D
 Acq On : 14 May 2020 23:29
 Operator : SY/AP
 Sample : L2566-02DL2 1200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4DL2

Manual Integrations
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Quant Time: May 18 11:14:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1105333	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2542042	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.11	117	2480891	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2073794	10.33	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
31) cis-1,2-Dichloroethene	5.53	61	62067m	0.598	ppbv	
38) Trichloroethene	7.84	130	5218467	64.272	ppbv	96
52) Tetrachloroethene	11.28	164	14451625	193.921	ppbv	91

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

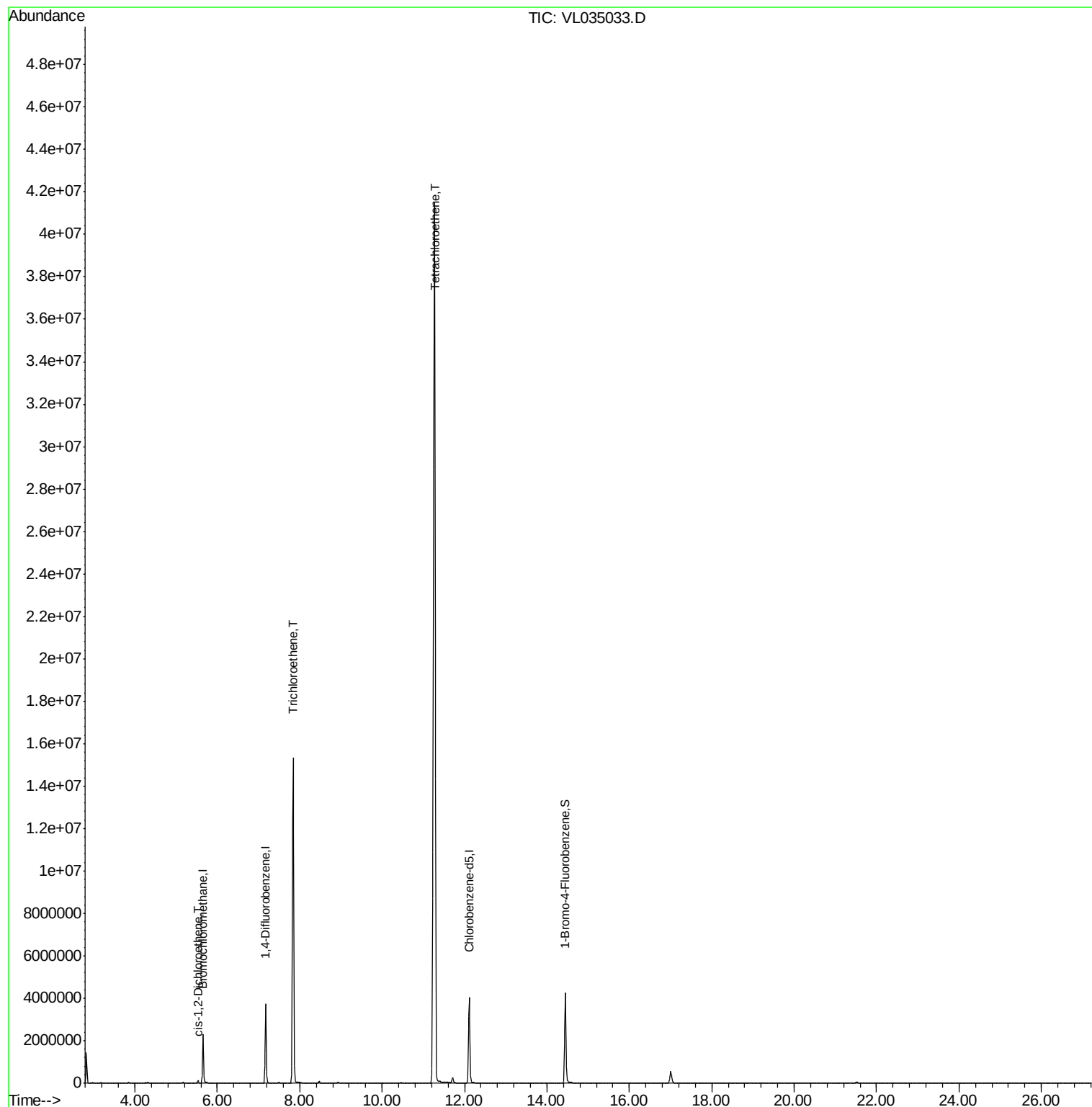
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051420\
Data File : VL035033.D
Acq On : 14 May 2020 23:29
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Misc : 400ml/MSVOA L
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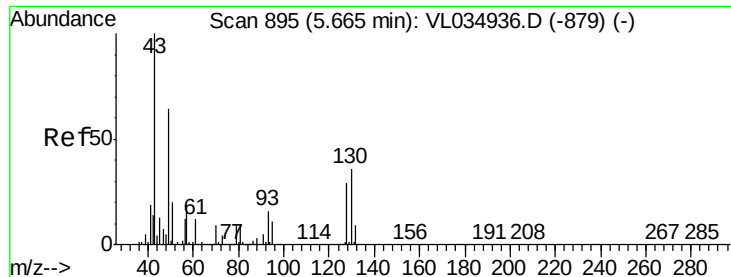
Instrument :
MSVOA_L
ClientSampleId :
SG-4DL2

Quant Time: May 18 11:14:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL035033.D

Acq: 14 May 2020 23:29

Instrument :

MSVOA_L

ClientSampleId :

SG-4DL2

Tot Ion: 49 Resp: 1105333

Ion Ratio Lower Upper

49 100

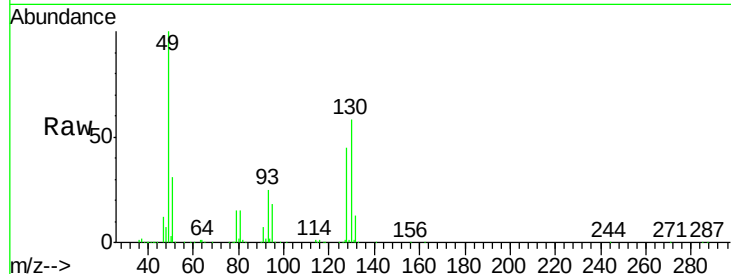
128 45.5 22.1 66.5

130 58.3 29.1 87.3

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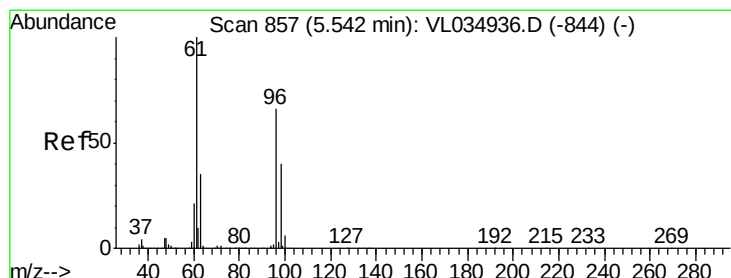
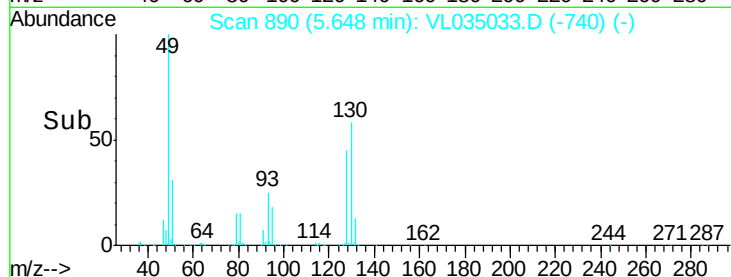
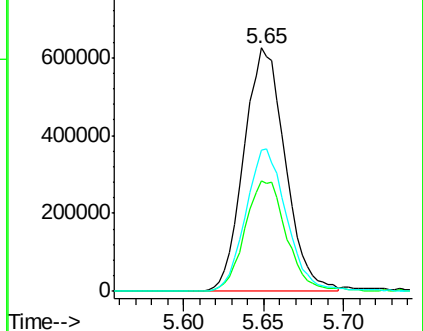
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#31

cis-1,2-Dichloroethene

Concen: 0.598 ppbv m

RT: 5.53 min Scan# 853

Delta R.T. -0.01 min

Lab File: VL035033.D

Acq: 14 May 2020 23:29

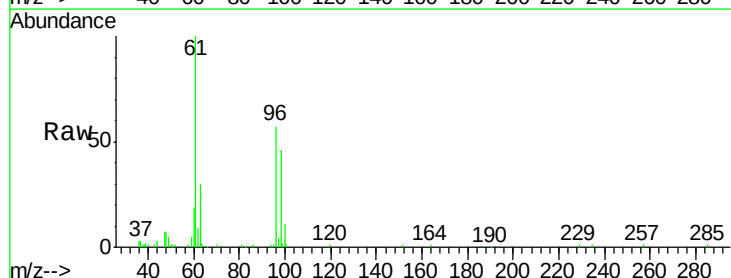
Tgt Ion: 61 Resp: 62067

Ion Ratio Lower Upper

61 100

96 57.4 53.0 79.6

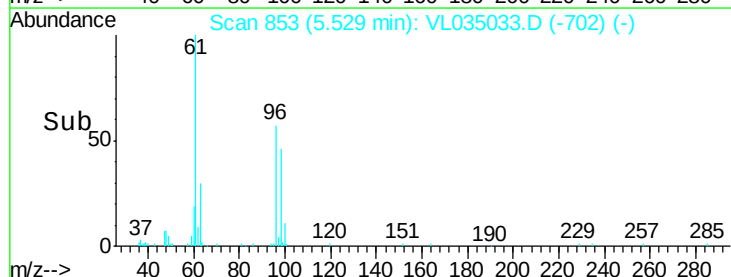
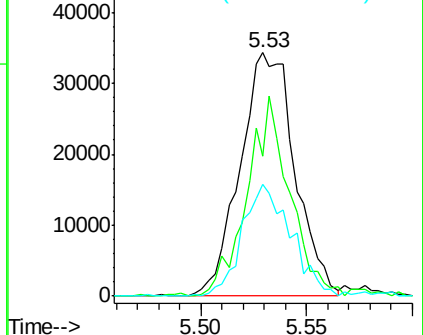
98 46.1 32.2 48.2

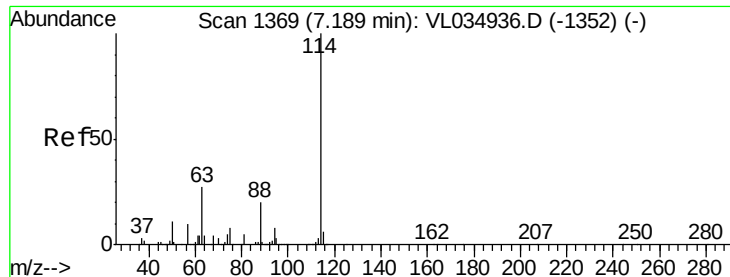


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.02 min

Lab File: VL035033.D

Acq: 14 May 2020 23:29

Instrument :

MSVOA_L

ClientSampleId :

SG-4DL2

Tot Ion:114 Resp: 2542042

Ion Ratio Lower Upper

114 100

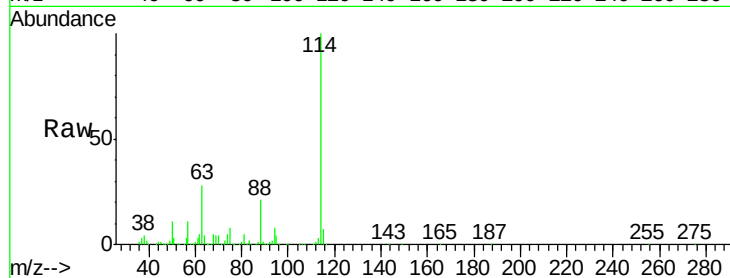
63 27.4 22.2 33.4

88 20.0 15.5 23.3

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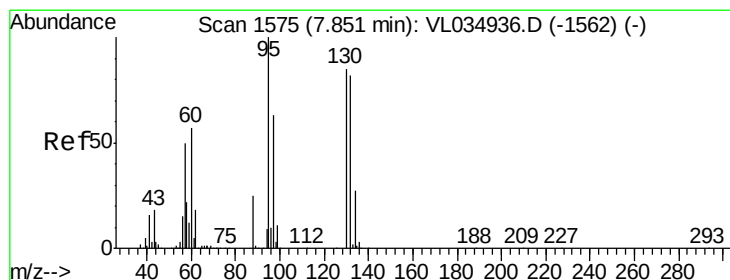
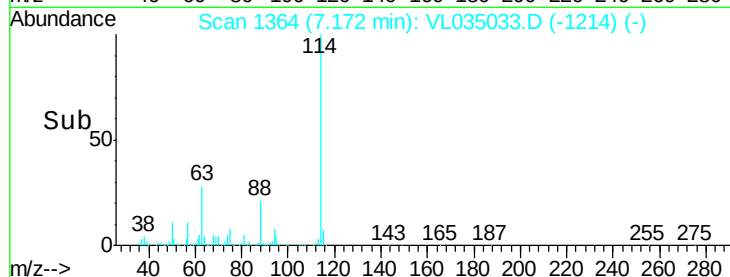
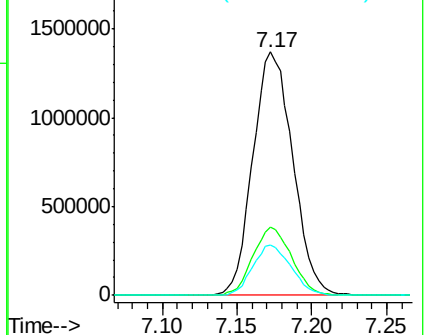
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#38

Trichloroethene

Concen: 64.272 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL035033.D

Acq: 14 May 2020 23:29

Tgt Ion:130 Resp: 5218467

Ion Ratio Lower Upper

130 100

95 108.7 93.4 140.0

132 98.3 76.4 114.6

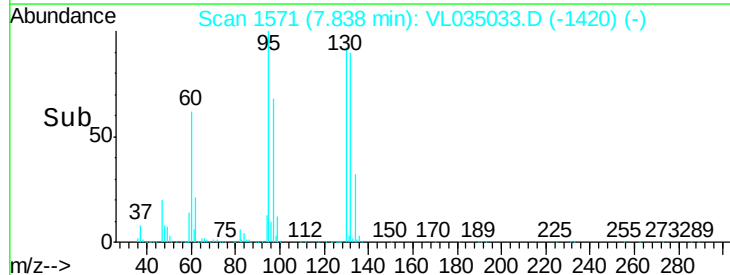
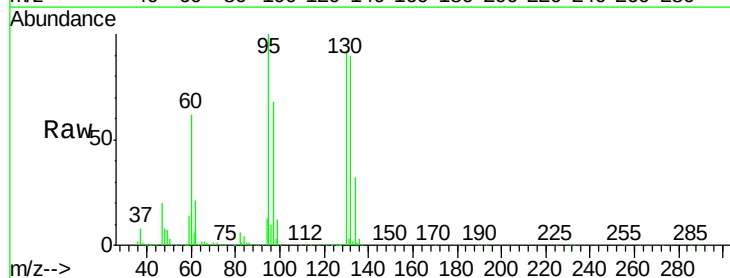
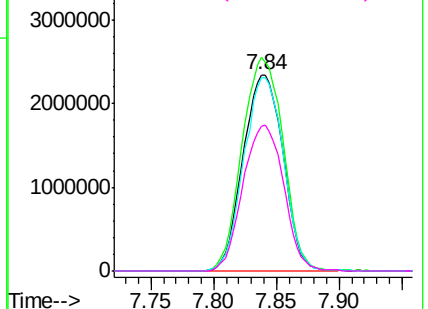
97 73.5 58.5 87.7

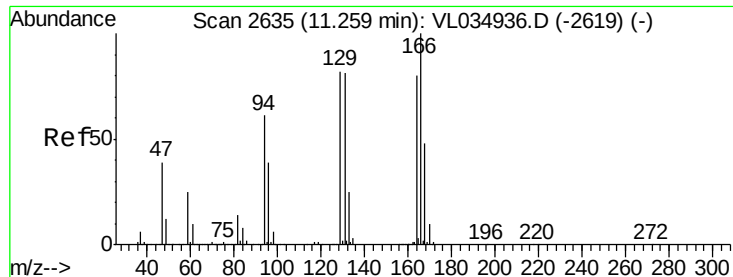
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#52

Tetrachloroethene

Concen: 193.921 ppbv

RT: 11.28 min Scan# 2640

Delta R.T. 0.02 min

Lab File: VL035033.D

Acq: 14 May 2020 23:29

Instrument :

MSVOA_L

ClientSampleId :

SG-4DL2

Tot Ion:164 Resp:14451625

Ion Ratio Lower Upper

164 100

166 110.2 100.7 151.1

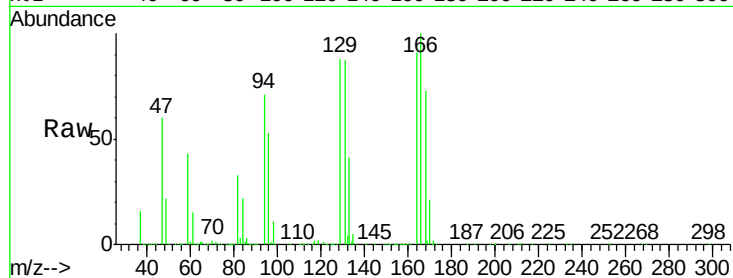
129 96.6 83.0 124.4

131 95.5 81.0 121.4

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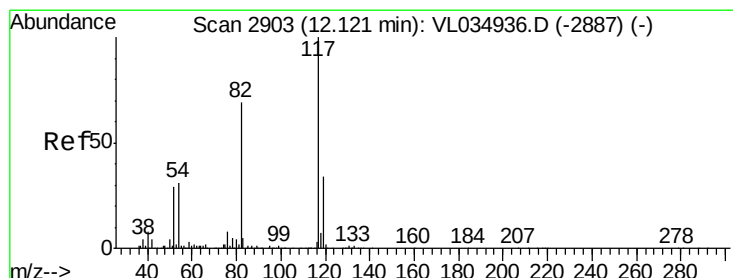
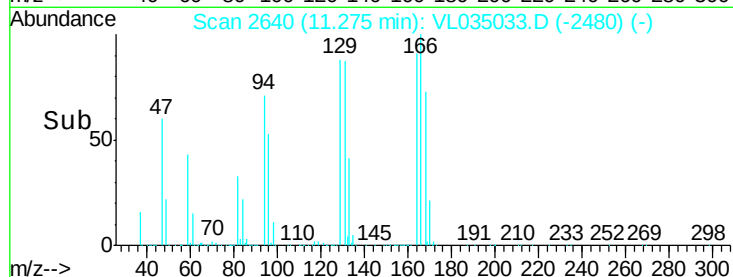
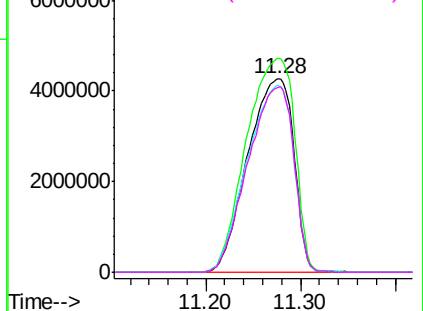


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. -0.01 min

Lab File: VL035033.D

Acq: 14 May 2020 23:29

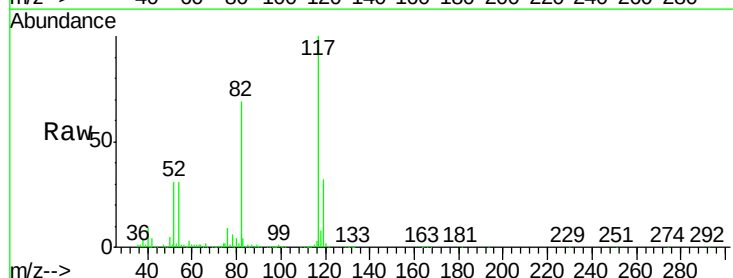
Tgt Ion:117 Resp: 2480891

Ion Ratio Lower Upper

117 100

82 69.6 53.1 79.7

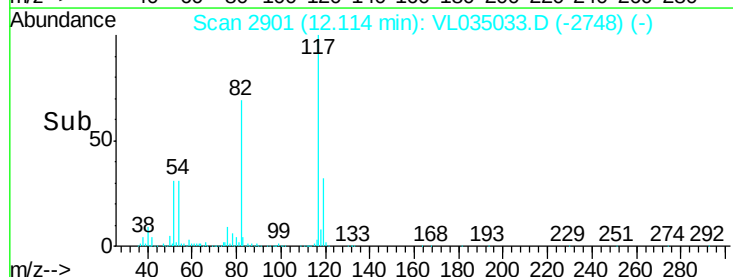
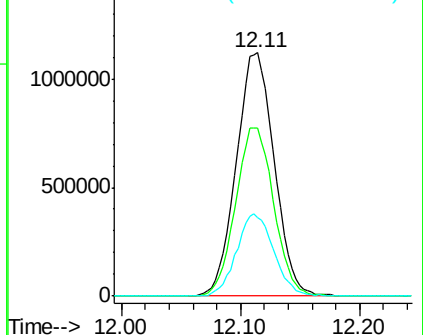
119 33.2 26.7 40.1

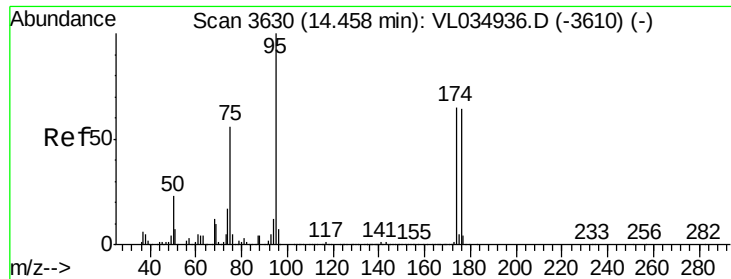


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.327 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.01 min
 Lab File: VL035033.D
 Acq: 14 May 2020 23:29

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4DL2

Tot Ion: 95 Resp: 2073794
 Ion Ratio Lower Upper
 95 100
 174 64.5 51.5 77.3
 175 4.8 3.8 5.8

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