

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 :

Quant Time: May 15 01:13:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 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%

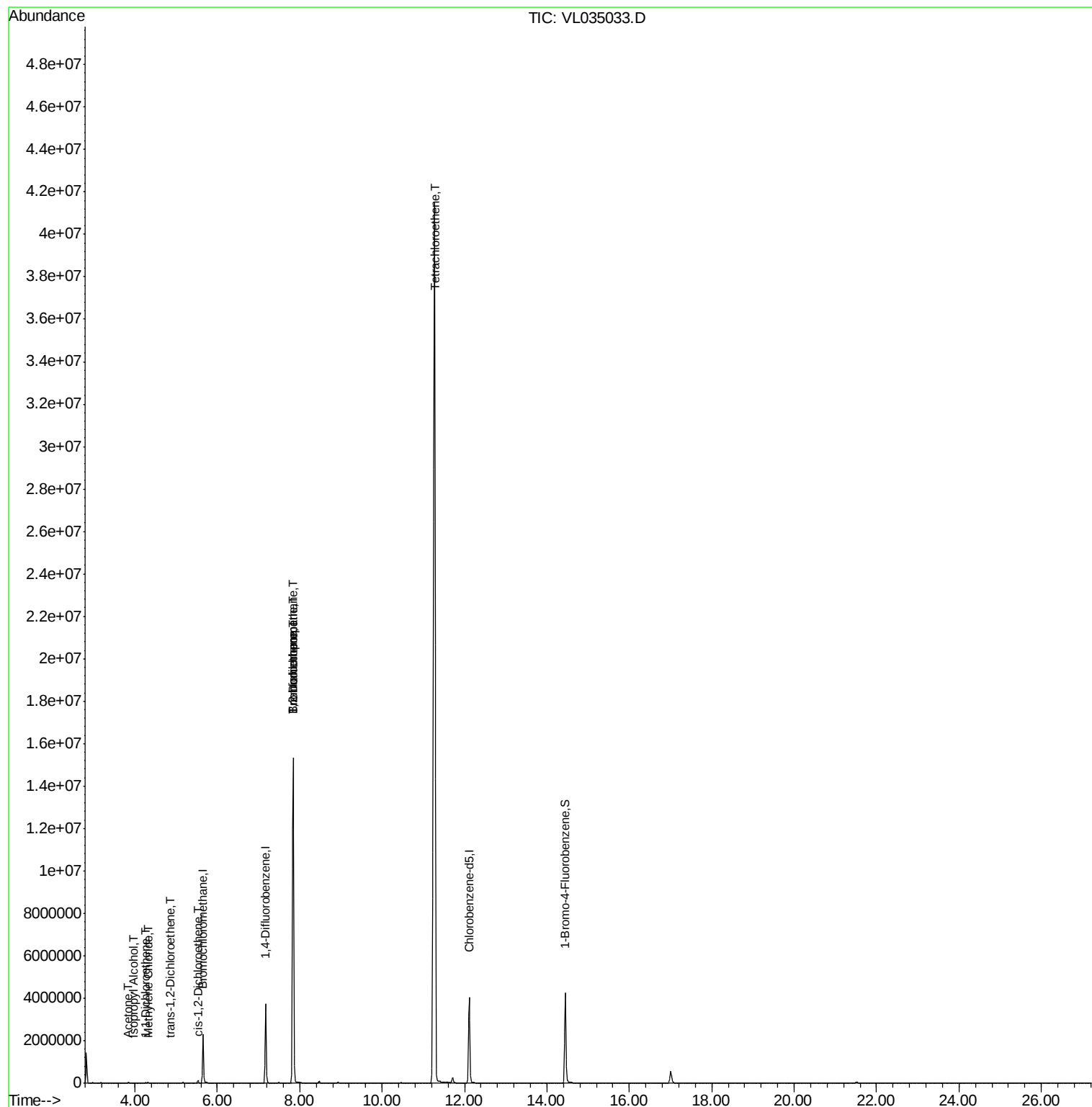
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.84	43	29875	0.204	ppbv #	73
18) 1,1-Dichloroethene	4.27	96	2064	0.041	ppbv	82
19) Isopropyl Alcohol	3.97	45	3516	0.036	ppbv #	66
20) Methylene Chloride	4.32	84	7530	0.156	ppbv	96
22) trans-1,2-Dichloroethene	4.86	96	1844	0.037	ppbv #	59
31) cis-1,2-Dichloroethene	5.53	61	35842	0.345	ppbv	89
38) Trichloroethene	7.84	130	5218467	64.272	ppbv	96
39) 1,2-Dichloropropane	7.84	63	13442	0.160	ppbv #	1
42) Bromodichloromethane	7.83	83	41990	0.241	ppbv #	83
52) Tetrachloroethene	11.28	164	14451625	193.921	ppbv	91

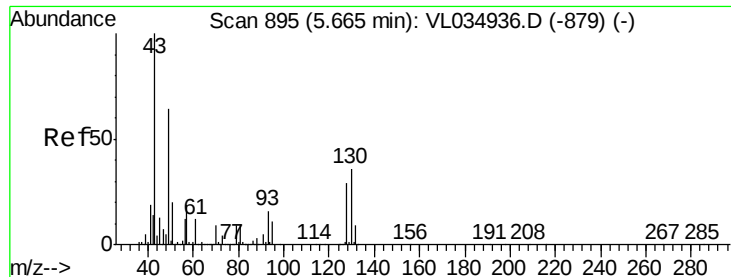
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051420\
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 15 01:13:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#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 :

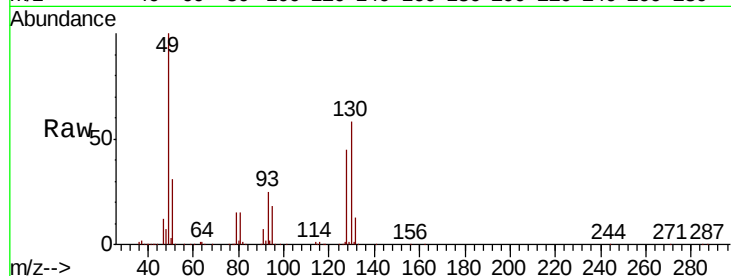
Tot Ion: 49 Resp: 1105333

Ion Ratio Lower Upper

49 100

128 45.5 22.1 66.5

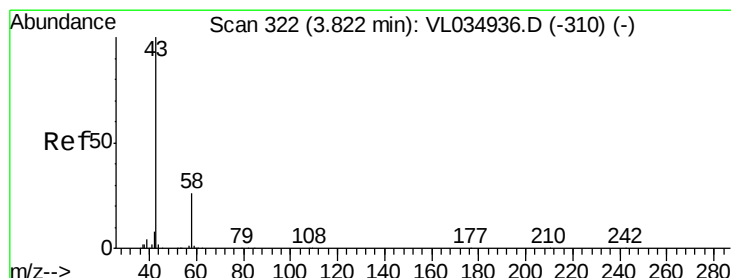
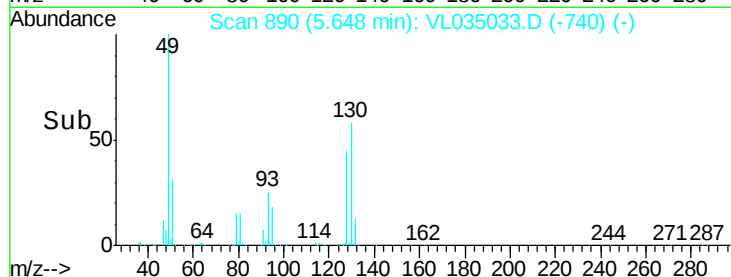
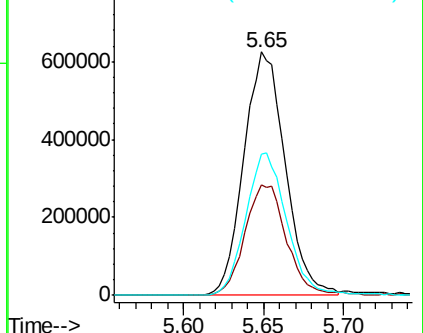
130 58.3 29.1 87.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 0.204 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL035033.D

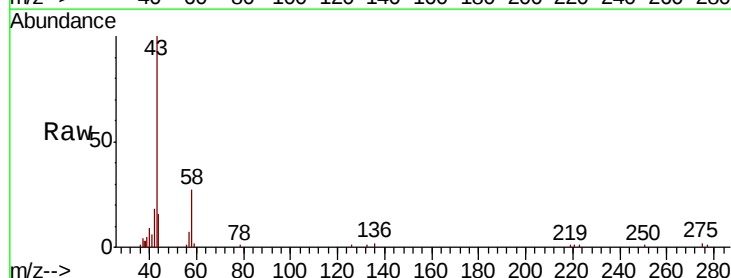
Acq: 14 May 2020 23:29

Tgt Ion: 43 Resp: 29875

Ion Ratio Lower Upper

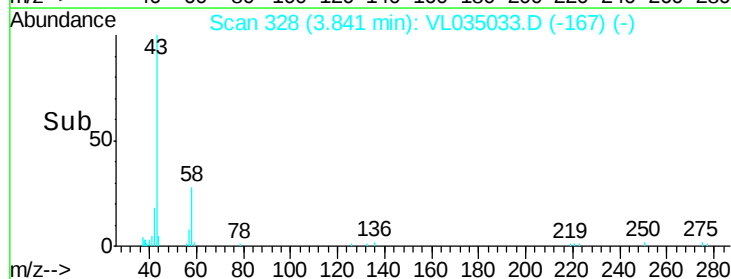
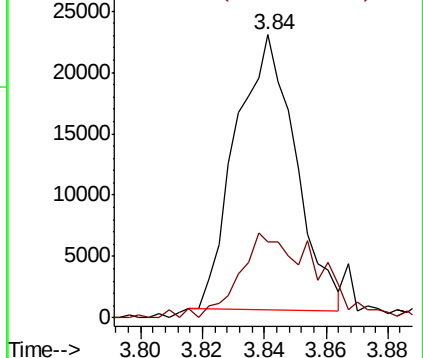
43 100

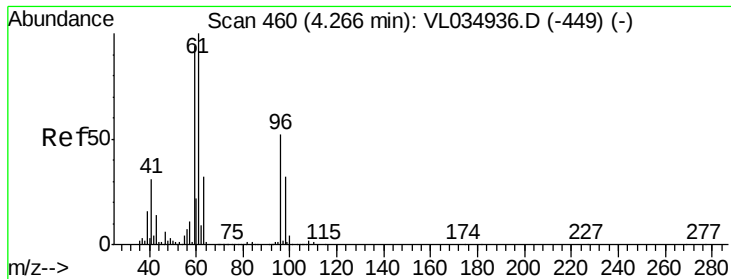
58 40.9 21.7 32.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#18

1,1-Dichloroethene

Concen: 0.041 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.00 min

Lab File: VL035033.D

Acq: 14 May 2020 23:29

Instrument :
MSVOA_L
ClientSampled :

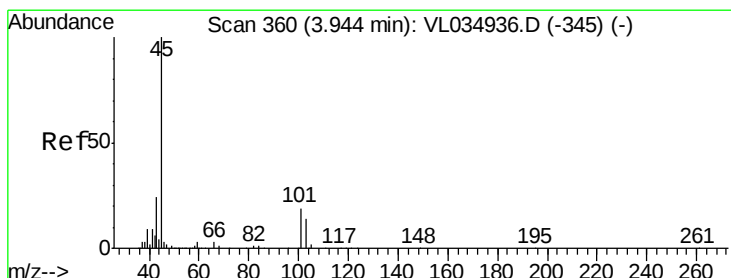
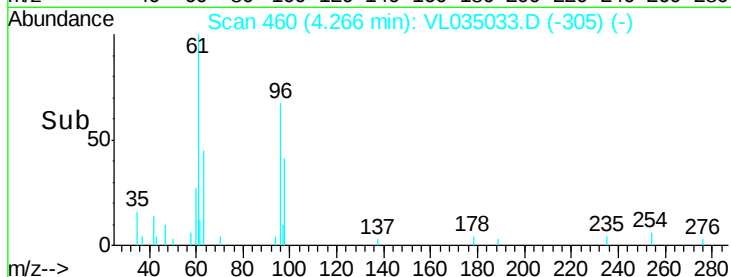
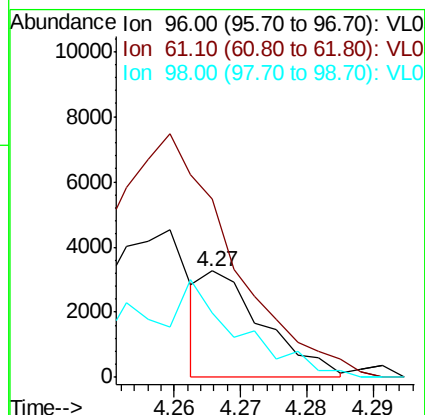
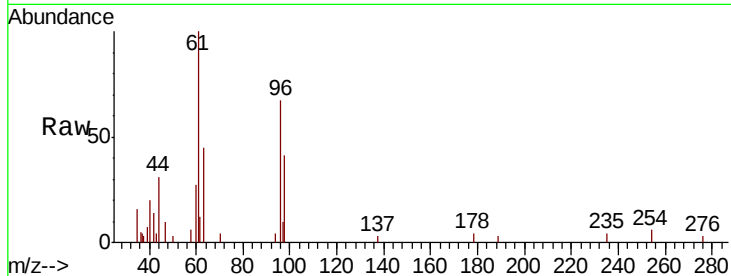
Tot Ion: 96 Resp: 2064

Ion Ratio Lower Upper

96 100

61 158.3 152.4 228.6

98 56.6 48.8 73.2



#19

Isopropyl Alcohol

Concen: 0.036 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.03 min

Lab File: VL035033.D

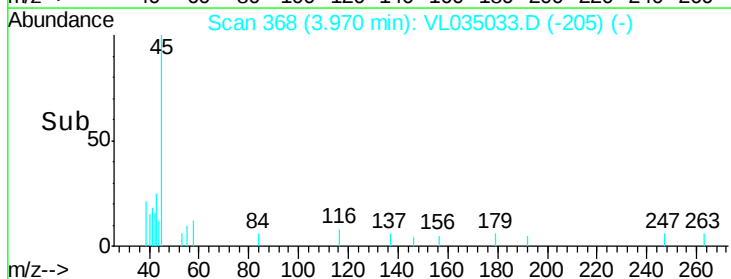
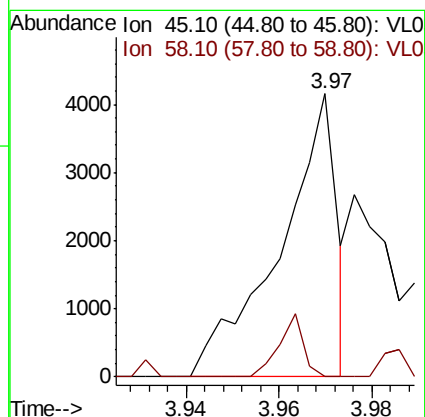
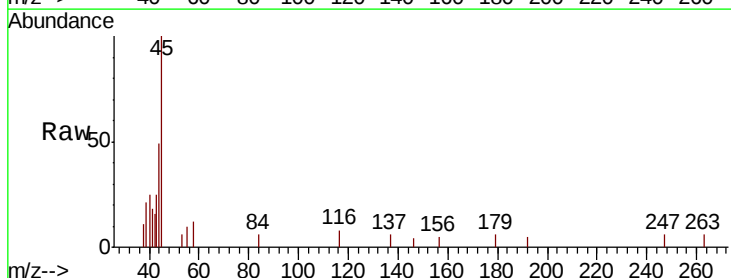
Acq: 14 May 2020 23:29

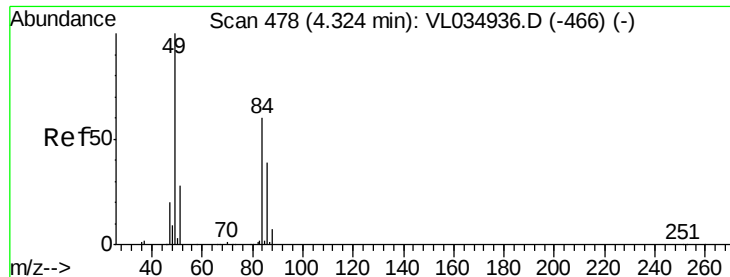
Tgt Ion: 45 Resp: 3516

Ion Ratio Lower Upper

45 100

58 13.8 1.7 2.5#





#20

Methylene Chloride

Concen: 0.156 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.01 min

Lab File: VL035033.D

Acq: 14 May 2020 23:29

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 84 Resp: 7530

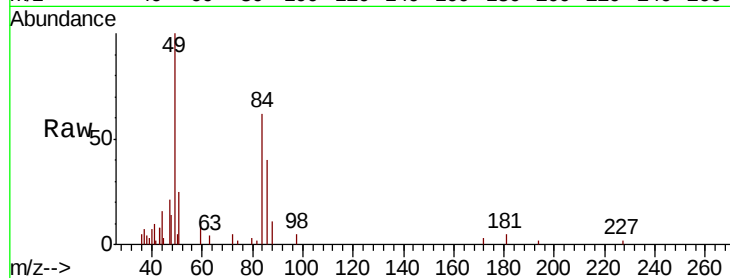
Ion Ratio Lower Upper

84 100

49 161.1 132.5 198.7

51 40.4 38.4 57.6

86 64.7 51.2 76.8

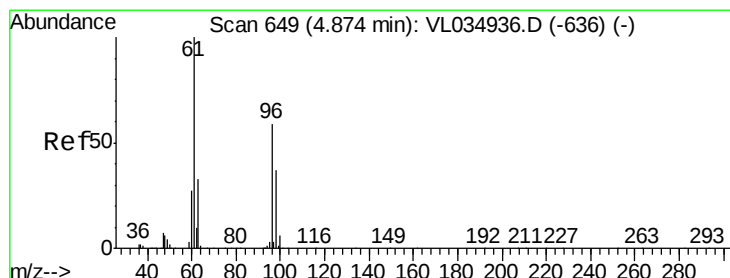
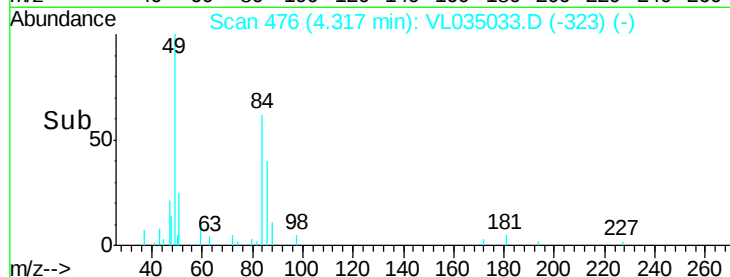
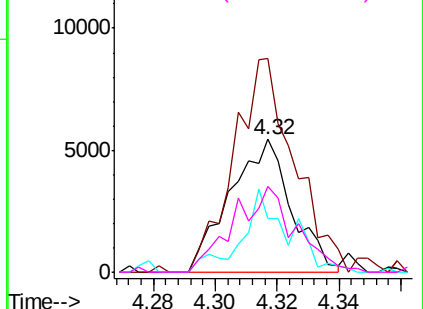


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#22

trans-1,2-Dichloroethene

Concen: 0.037 ppbv

RT: 4.86 min Scan# 644

Delta R.T. -0.02 min

Lab File: VL035033.D

Acq: 14 May 2020 23:29

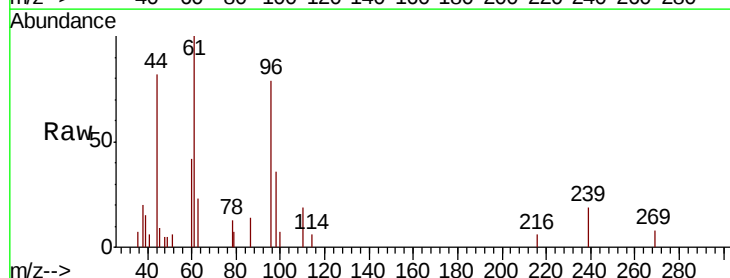
Tgt Ion: 96 Resp: 1844

Ion Ratio Lower Upper

96 100

61 112.4 135.3 202.9#

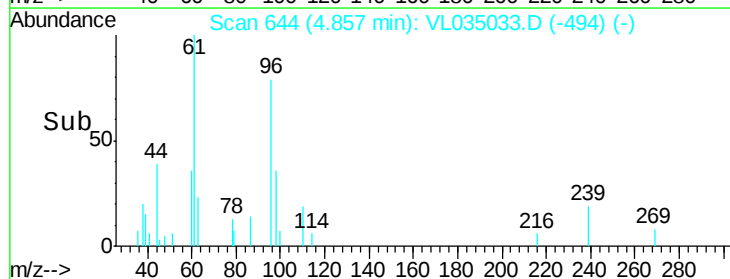
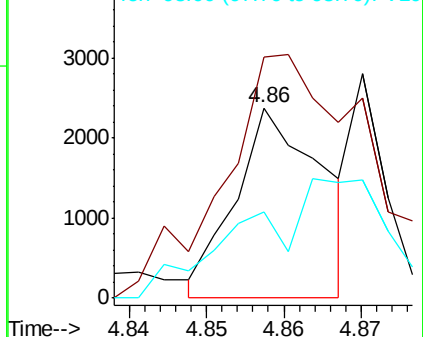
98 33.4 50.4 75.6#

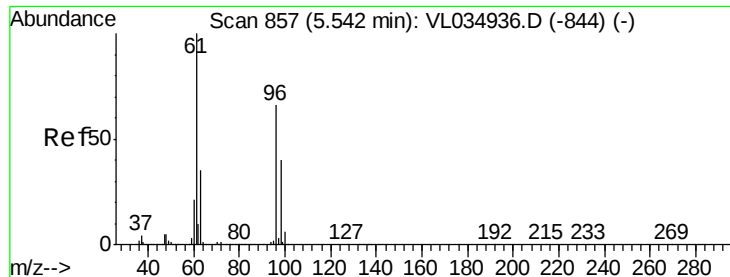


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#31

cis-1,2-Dichloroethene

Concen: 0.345 ppbv

RT: 5.53 min Scan# 853

Delta R.T. -0.01 min

Lab File: VL035033.D

Acq: 14 May 2020 23:29

Instrument :

MSVOA_L

ClientSampleId :

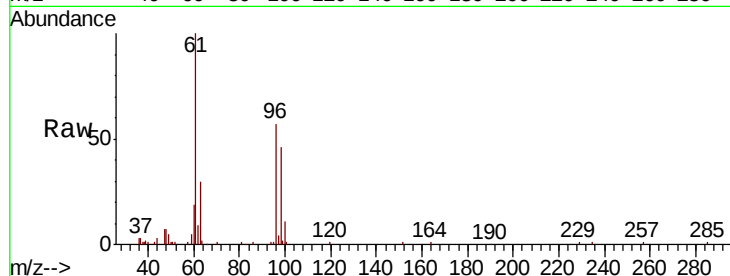
Tot Ion: 61 Resp: 35842

Ion Ratio Lower Upper

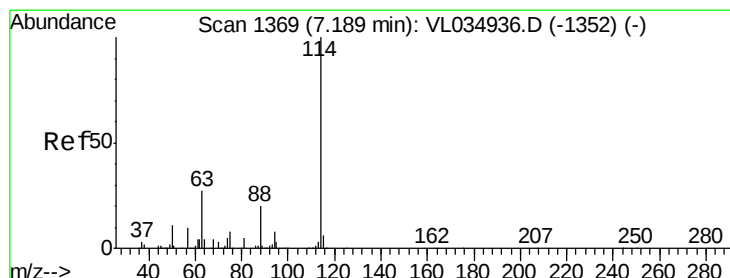
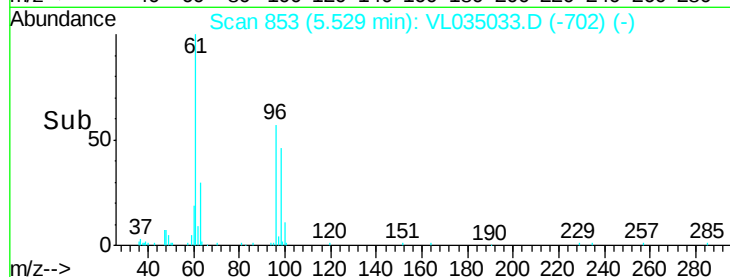
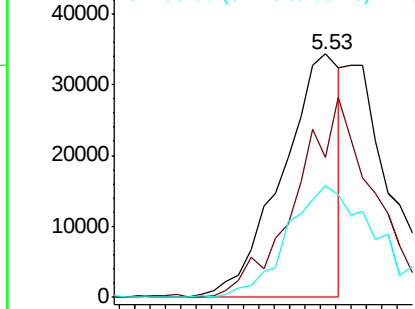
61 100

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

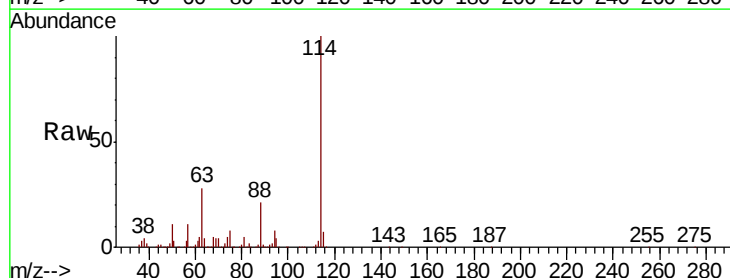
Tgt Ion: 114 Resp: 2542042

Ion Ratio Lower Upper

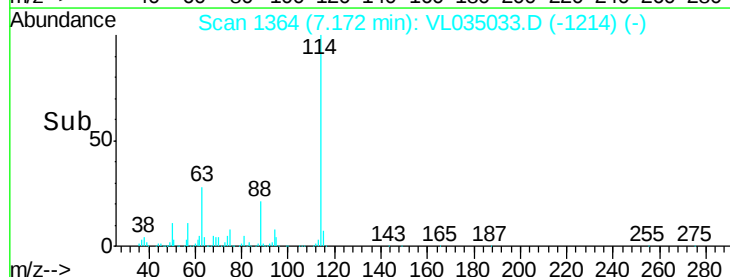
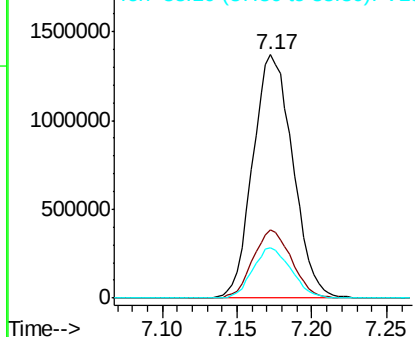
114 100

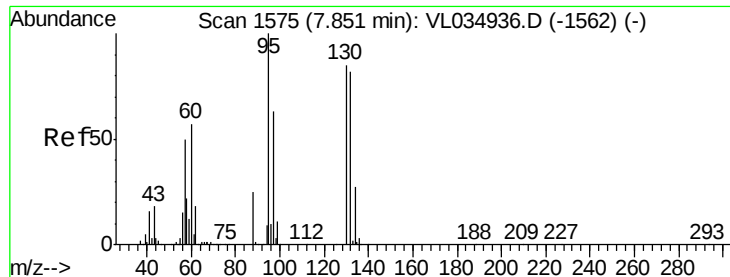
63 27.4 22.2 33.4

88 20.0 15.5 23.3



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



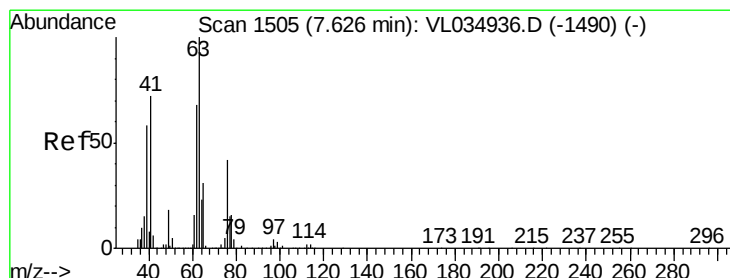
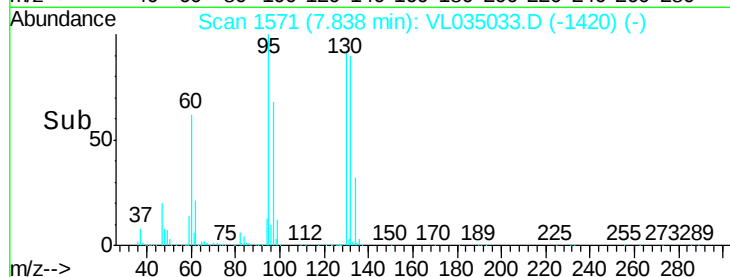
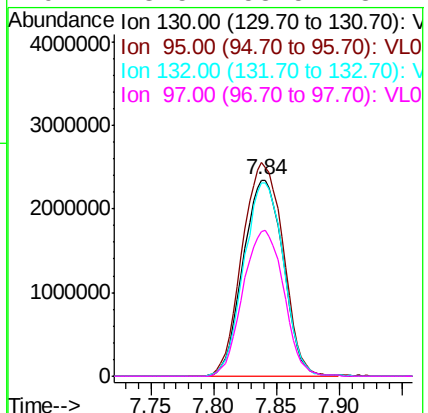
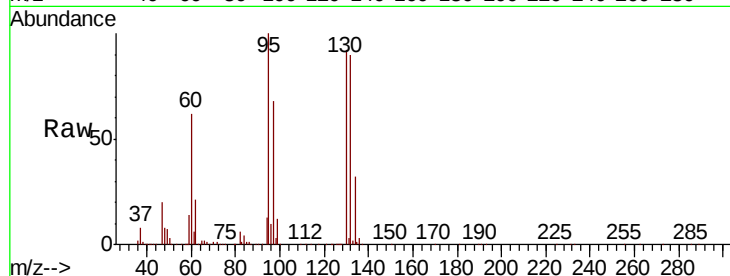


#38
 Trichloroethene
 Concen: 64.272 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL035033.D
 Acq: 14 May 2020 23:29

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:130 Resp: 5218467

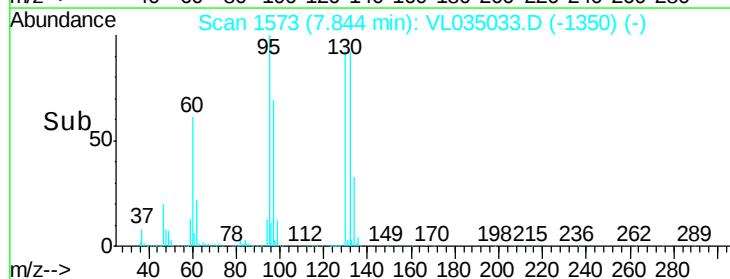
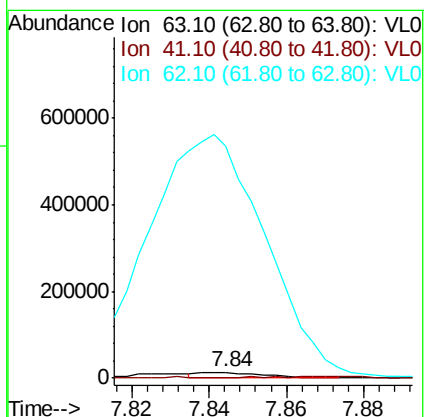
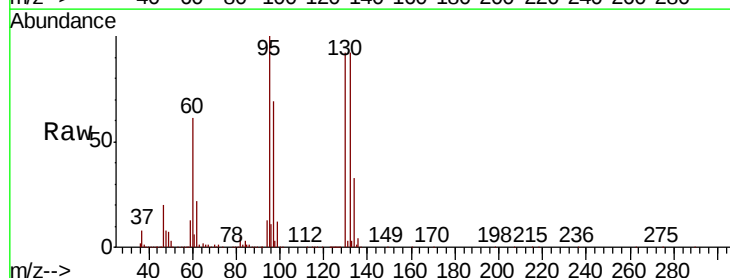
Ion	Ratio	Lower	Upper
130	100		
95	108.7	93.4	140.0
132	98.3	76.4	114.6
97	73.5	58.5	87.7

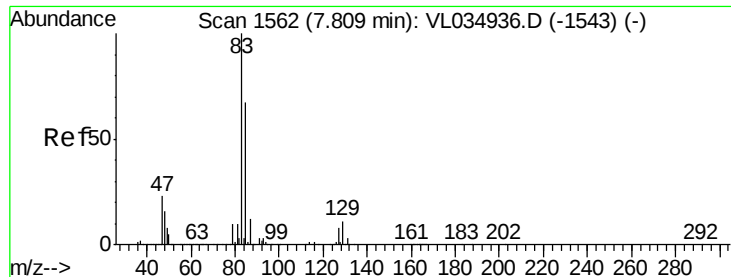


#39
 1,2-Dichloropropane
 Concen: 0.160 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.22 min
 Lab File: VL035033.D
 Acq: 14 May 2020 23:29

Tgt Ion: 63 Resp: 13442

Ion	Ratio	Lower	Upper
63	100		
41	0.0	57.8	86.8#
62	3897.0	54.2	81.2#





#42

Bromodichloromethane

Concen: 0.241 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. 0.03 min

Lab File: VL035033.D

Acq: 14 May 2020 23:29

Instrument :
MSVOA_L
ClientSampled :

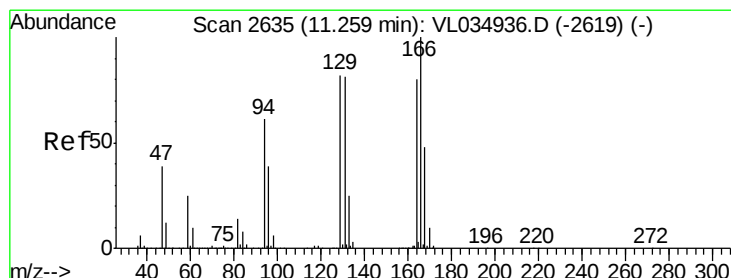
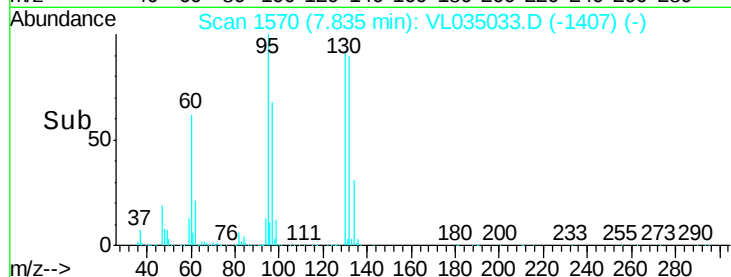
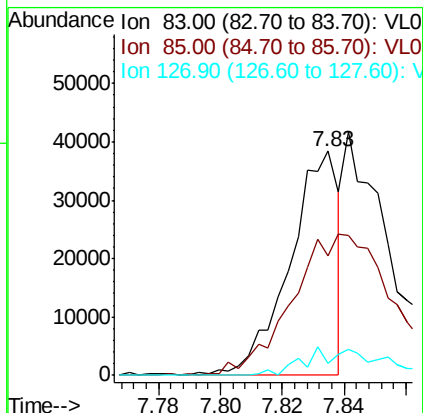
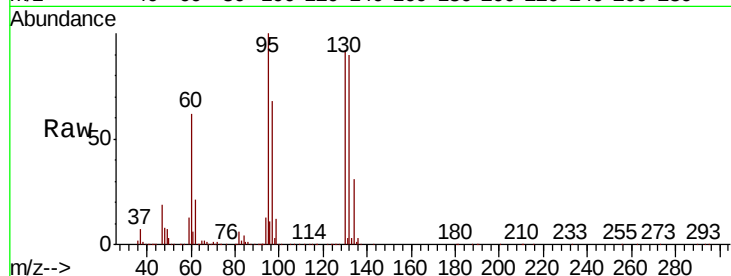
Tot Ion: 83 Resp: 41990

Ion Ratio Lower Upper

83 100

85 52.5 53.4 80.0#

127 5.6 6.1 9.1#



#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

Tgt Ion: 164 Resp: 14451625

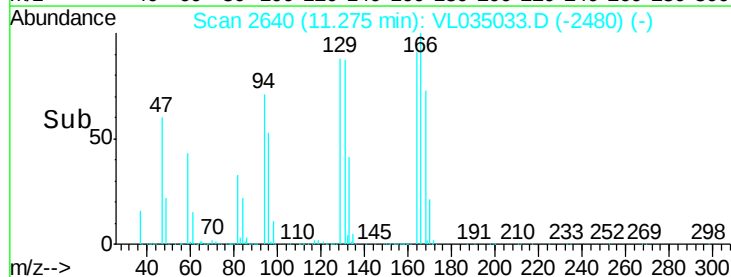
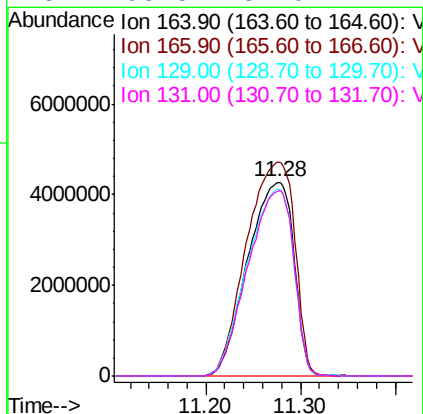
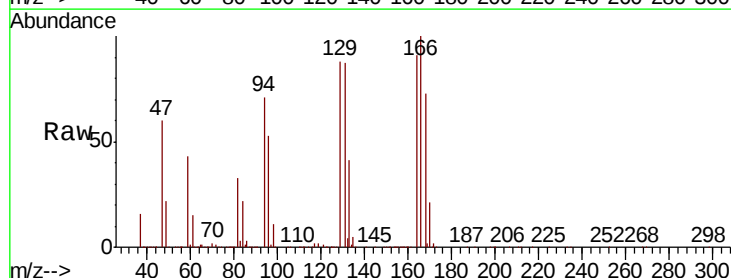
Ion Ratio Lower Upper

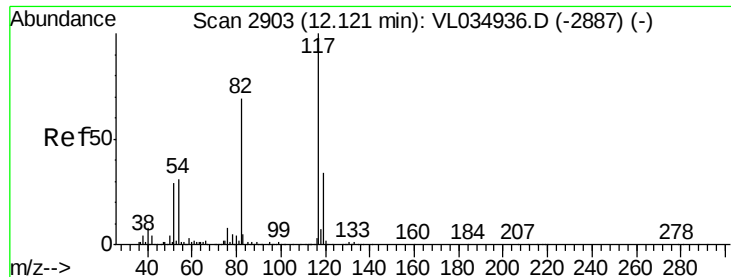
164 100

166 110.2 100.7 151.1

129 96.6 83.0 124.4

131 95.5 81.0 121.4





#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

Instrument :

MSVOA_L

ClientSampled :

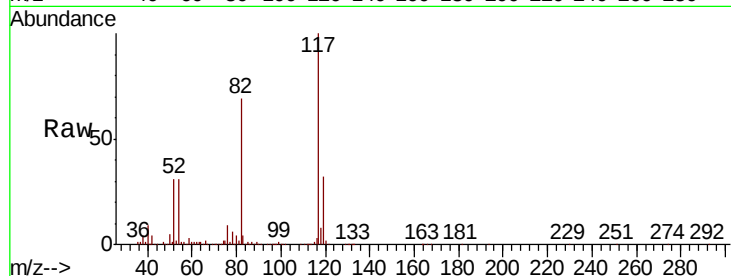
Tot Ion:117 Resp: 2480891

Ion Ratio Lower Upper

117 100

82 69.6 53.1 79.7

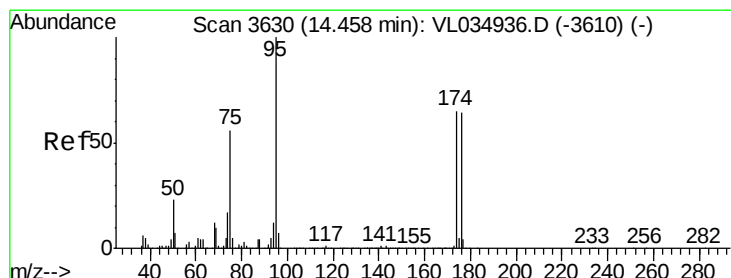
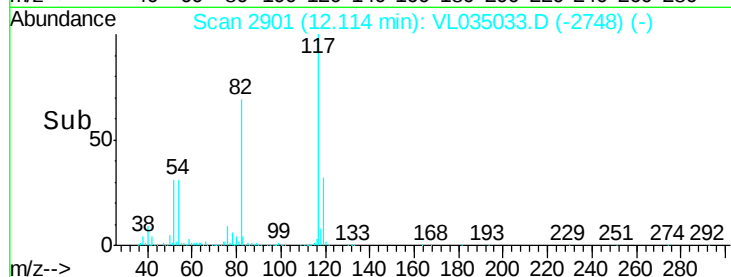
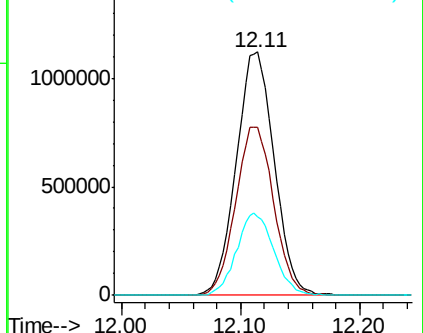
119 33.2 26.7 40.1



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

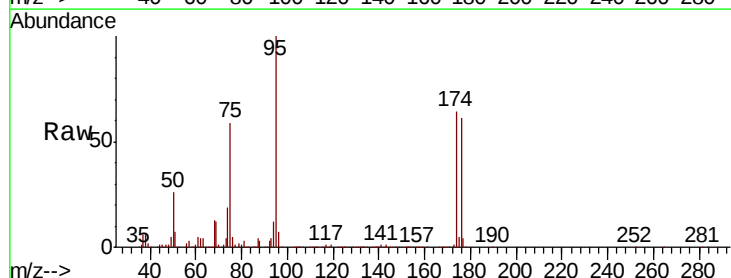
Tgt Ion: 95 Resp: 2073794

Ion Ratio Lower Upper

95 100

174 64.5 51.5 77.3

175 4.8 3.8 5.8



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

