

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040521\
 Data File : VL036694.D
 Acq On : 6 Apr 2021 4:54
 Operator : SY/AP
 Sample : M1877-11DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 06 05:52:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1289212	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3199723	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2761654	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2124713	9.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

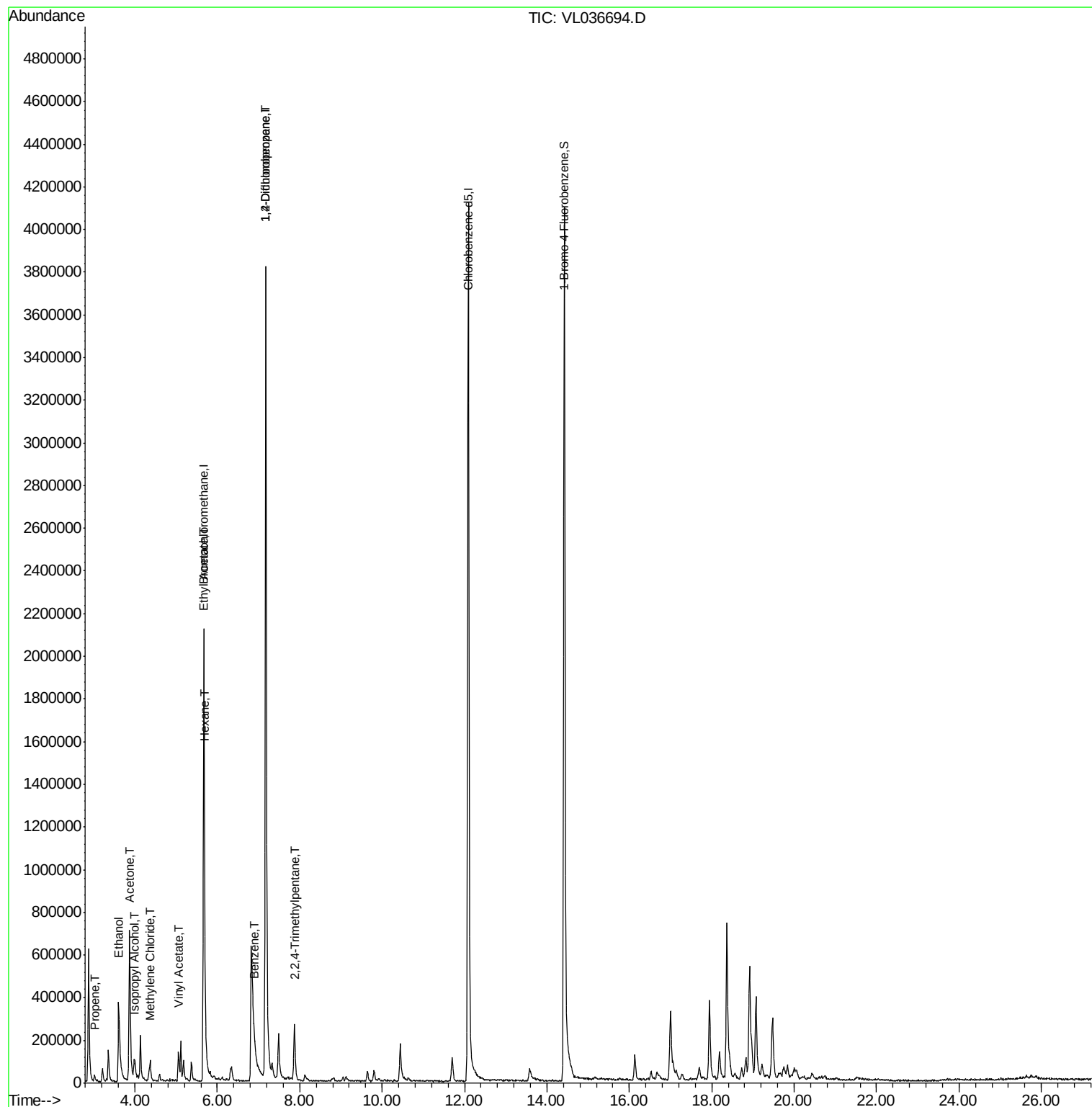
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	3931	0.051	ppbv #	1
13) Ethanol	3.61	45	534696	58.473	ppbv	99
15) Acetone	3.86	43	211398	1.666	ppbv #	32
19) Isopropyl Alcohol	3.98	45	54594	0.782	ppbv #	85
20) Methylene Chloride	4.35	84	13517	0.228	ppbv #	85
23) Vinyl Acetate	5.06	43	32183	0.148	ppbv #	1
25) Ethyl Acetate	5.68	43	9915	0.033	ppbv #	82
26) Hexane	5.69	57	16908	0.121	ppbv #	33
36) Benzene	6.89	78	15416	0.052	ppbv #	84
39) 1,2-Dichloropropane	7.18	63	834527	6.971	ppbv #	24
44) 2,2,4-Trimethylpentane	7.87	57	227437	0.438	ppbv #	88

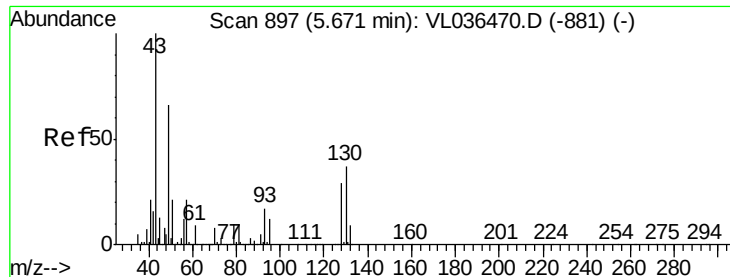
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
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QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL036694.D

Acq: 6 Apr 2021 4:54

Instrument :

MSVOA_L

ClientSampleId :

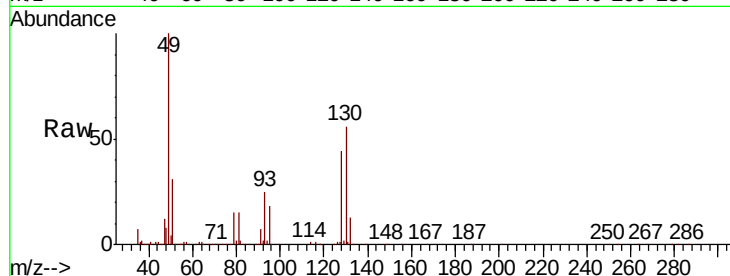
Tot Ion: 49 Resp: 1289212

Ion Ratio Lower Upper

49 100

128 45.4 23.5 70.6

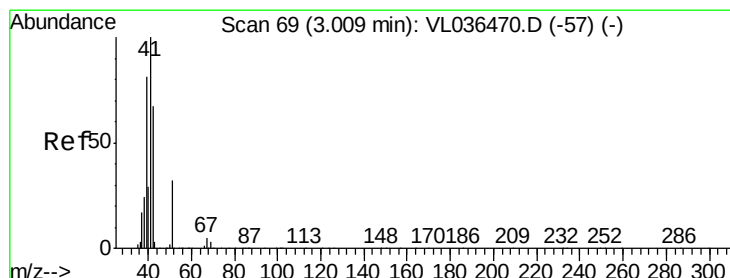
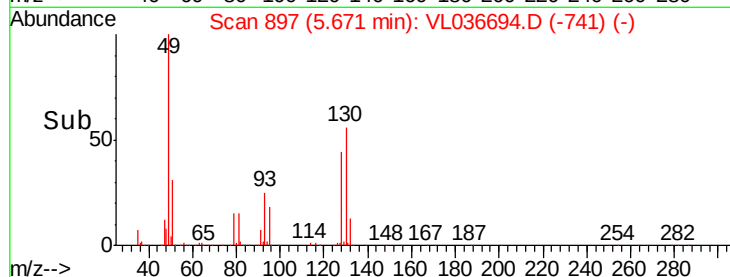
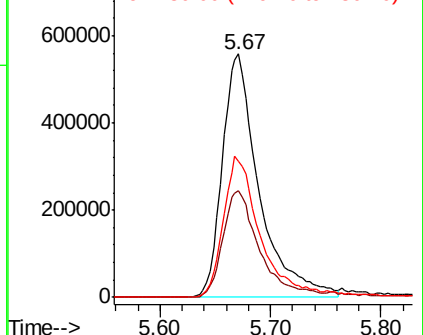
130 59.5 29.1 87.4



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



#9

Propene

Concen: 0.051 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036694.D

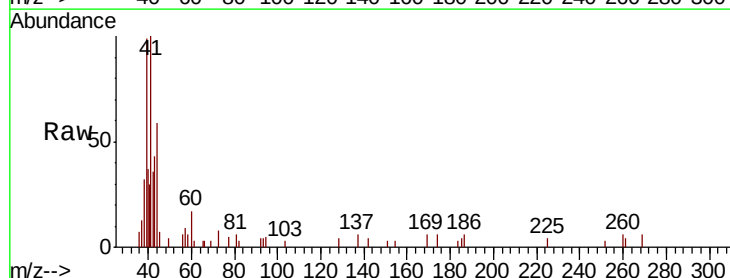
Acq: 6 Apr 2021 4:54

Tgt Ion: 41 Resp: 3931

Ion Ratio Lower Upper

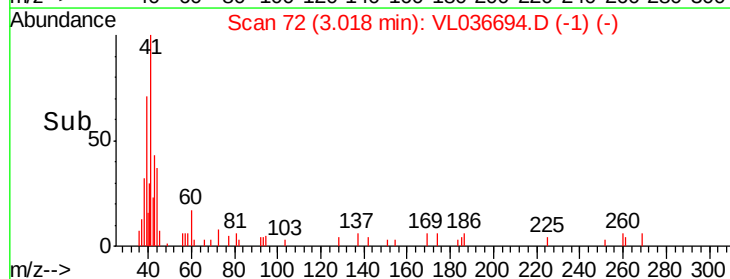
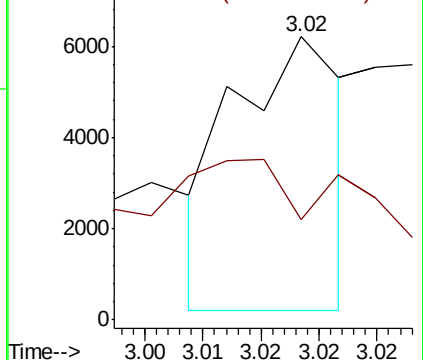
41 100

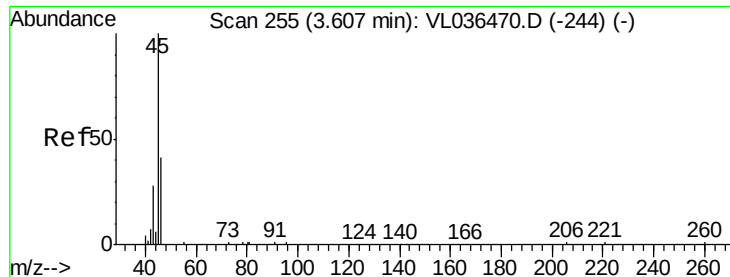
42 189.3 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

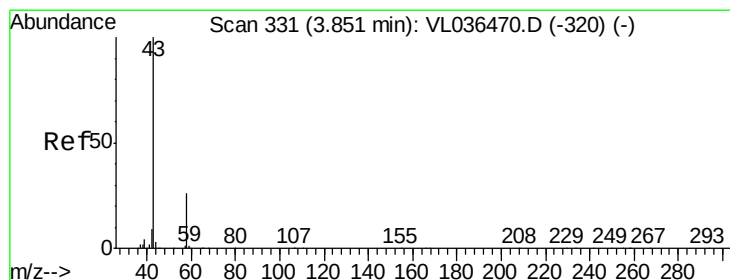
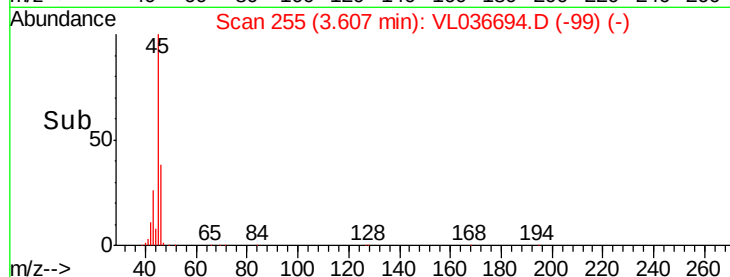
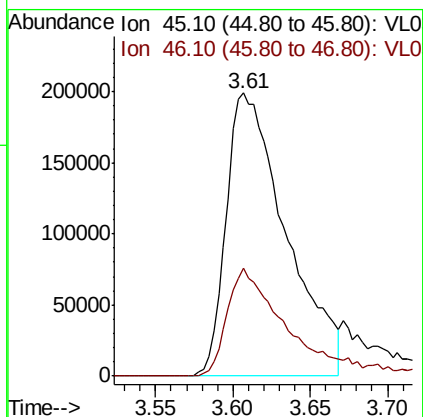
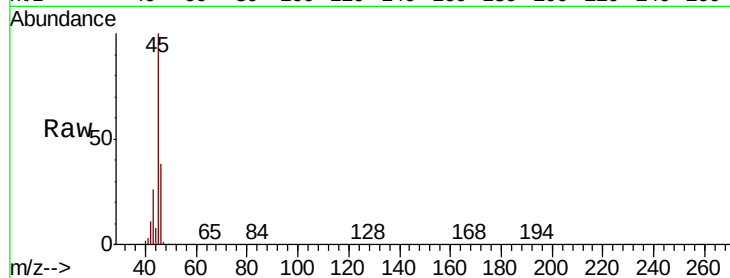




#13
Ethanol
Concen: 58.473 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.00 min
Lab File: VL036694.D
Acq: 6 Apr 2021 4:54

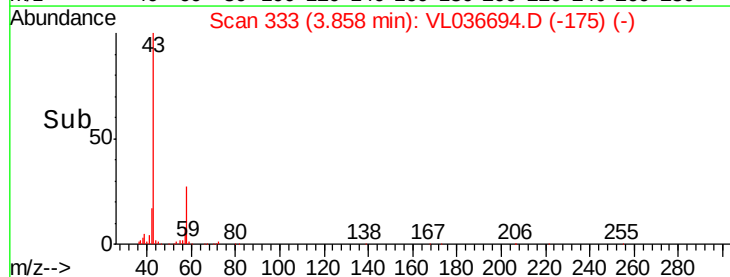
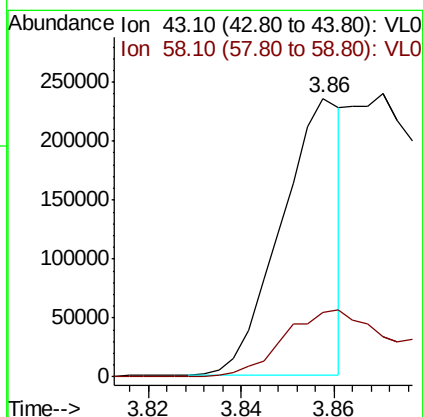
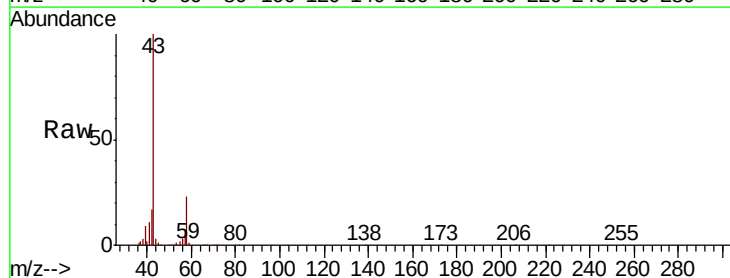
Instrument :
MSVOA_L
ClientSampleId :

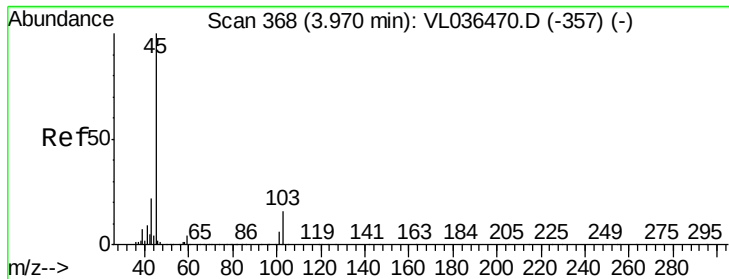
Tot Ion: 45 Resp: 534696
Ion Ratio Lower Upper
45 100
46 40.6 16.6 66.2



#15
Acetone
Concen: 1.666 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL036694.D
Acq: 6 Apr 2021 4:54

Tgt Ion: 43 Resp: 211398
Ion Ratio Lower Upper
43 100
58 61.4 21.2 31.8#





#19

Isopropyl Alcohol

Concen: 0.782 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL036694.D

Acq: 6 Apr 2021 4:54

Instrument :

MSVOA_L

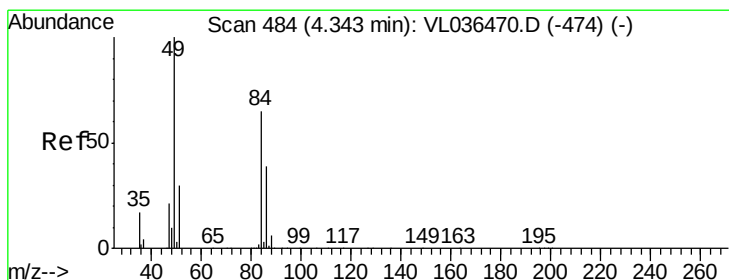
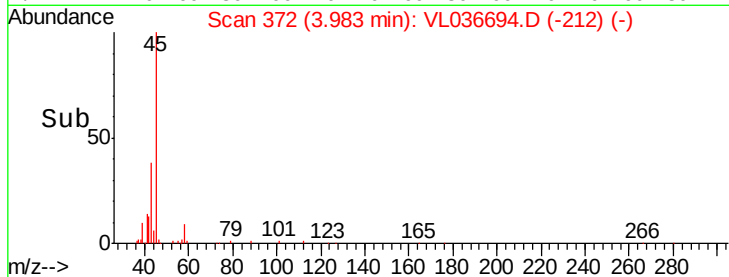
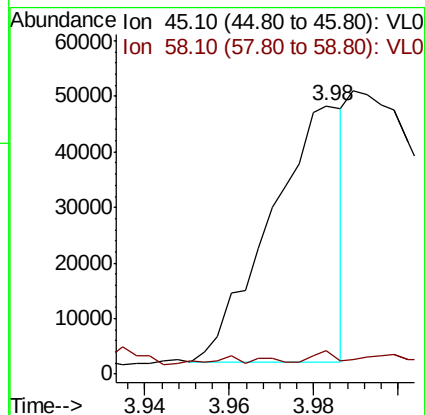
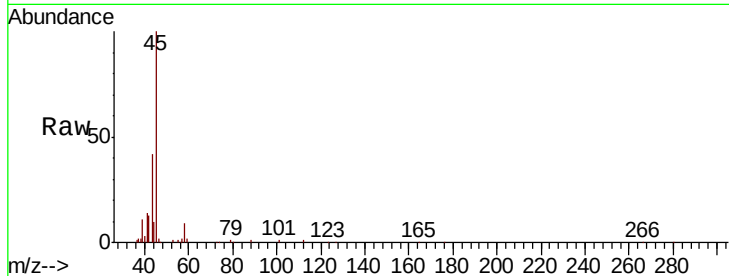
ClientSampled :

Tot Ion: 45 Resp: 54594

Ion Ratio Lower Upper

45 100

58 8.6 2.9 4.3#



#20

Methylene Chloride

Concen: 0.228 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL036694.D

Acq: 6 Apr 2021 4:54

Tgt Ion: 84 Resp: 13517

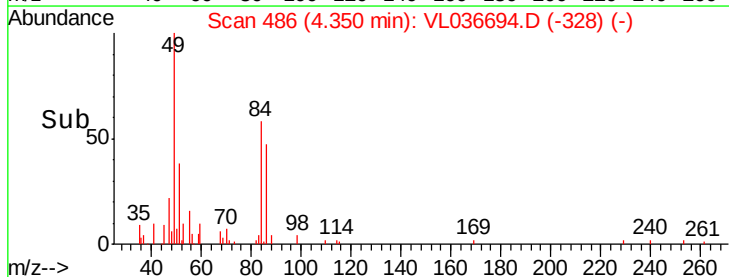
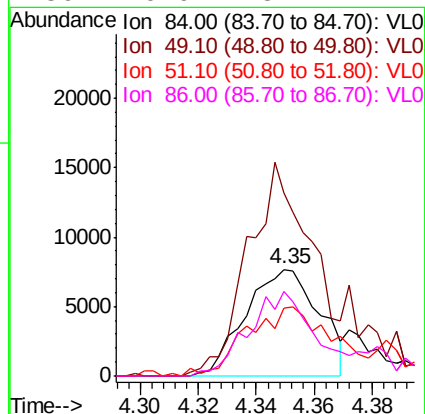
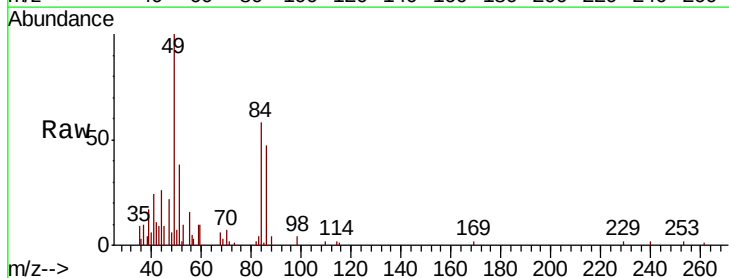
Ion Ratio Lower Upper

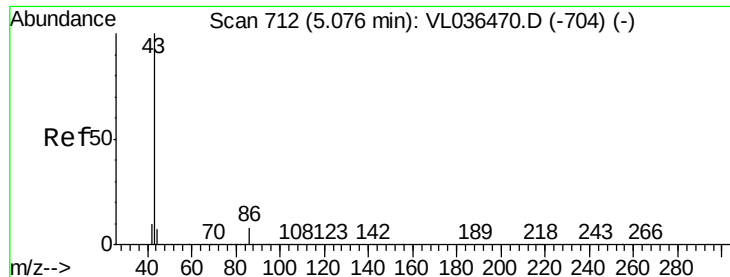
84 100

49 167.4 122.9 184.3

51 56.8 36.9 55.3#

86 79.9 48.2 72.4#

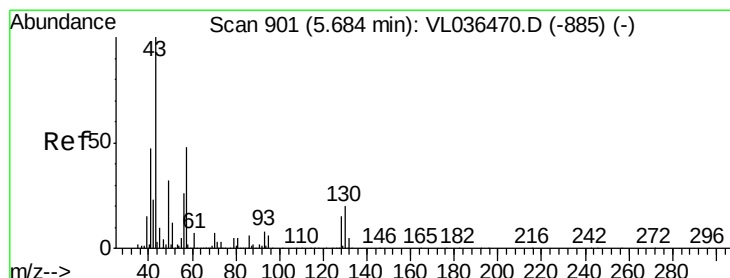
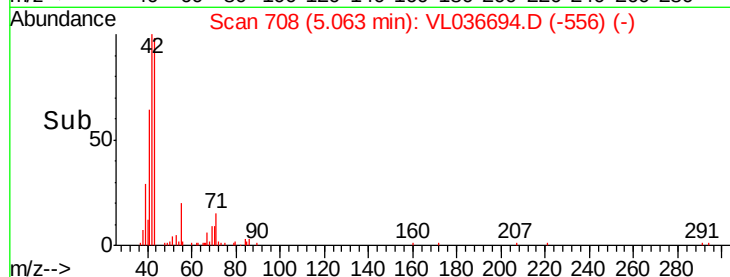
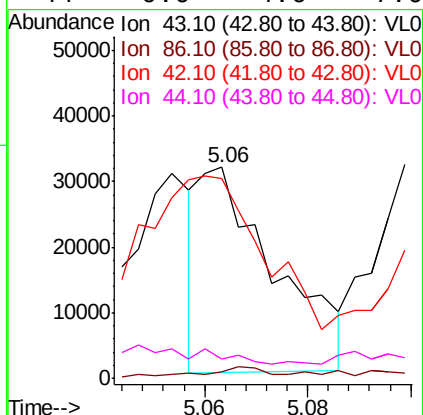
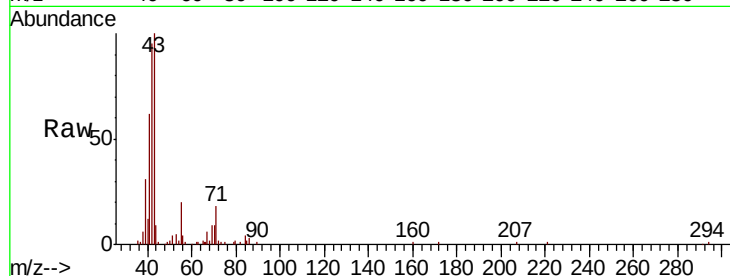




#23
 Vinyl Acetate
 Concen: 0.148 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: VL036694.D
 Acq: 6 Apr 2021 4:54

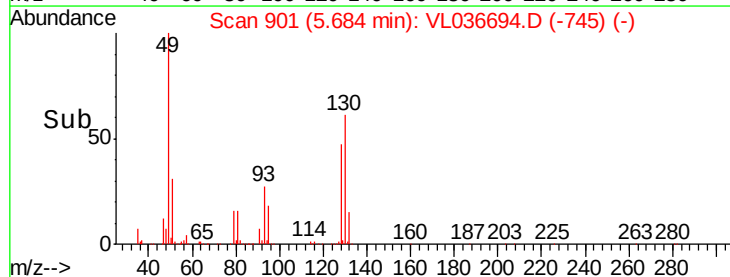
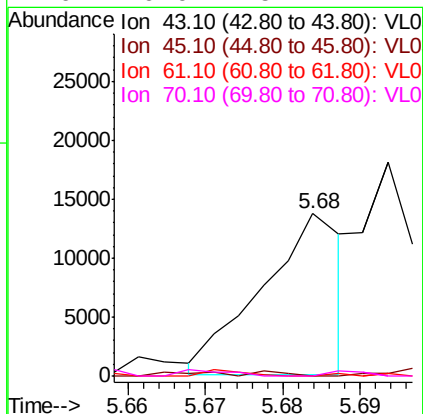
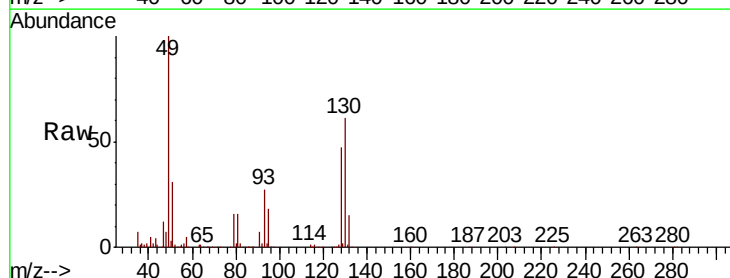
Instrument :
 MSVOA_L
 ClientSampled :

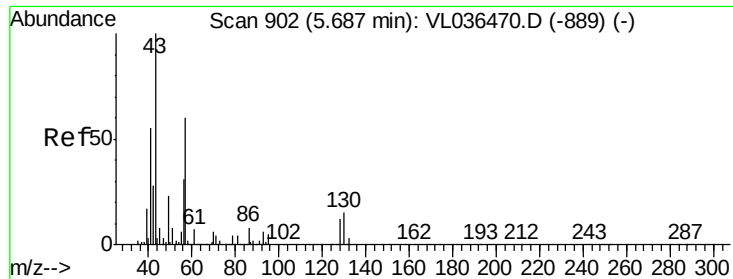
Tot Ion:	43	Resp:	32183
Ion	Ratio	Lower	Upper
43	100		
86	0.9	5.4	8.0#
42	94.9	8.5	12.7#
44	0.0	4.6	7.0#



#25
 Ethyl Acetate
 Concen: 0.033 ppbv
 RT: 5.68 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VL036694.D
 Acq: 6 Apr 2021 4:54

Tgt Ion:	43	Resp:	9915
Ion	Ratio	Lower	Upper
43	100		
45	2.8	7.9	11.9#
61	3.1	7.4	11.2#
70	0.0	5.1	7.7#





#26

Hexane

Concen: 0.121 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL036694.D

Acq: 6 Apr 2021 4:54

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 57 Resp: 16908

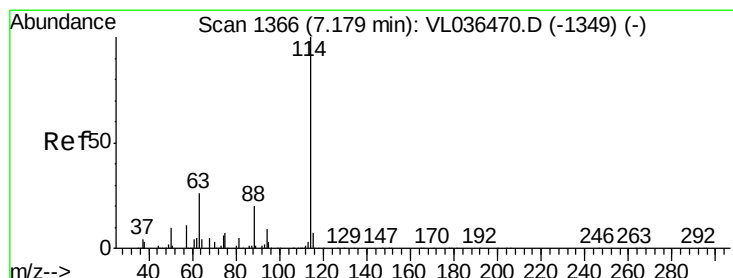
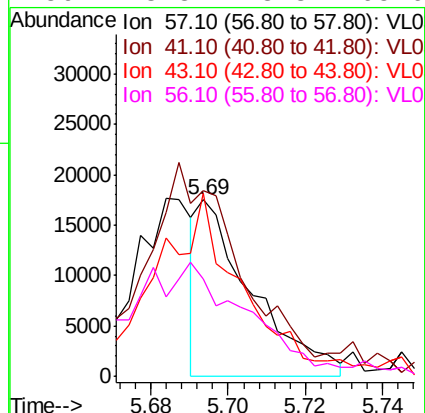
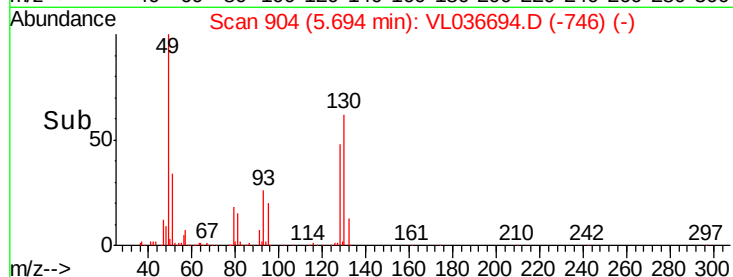
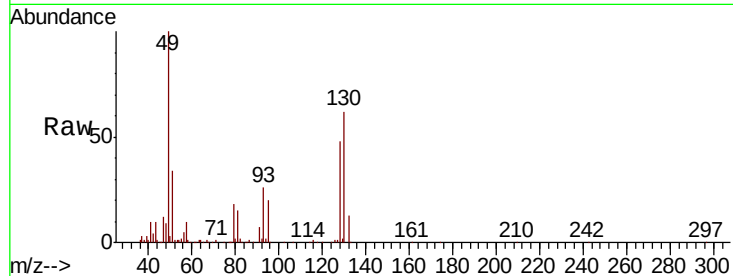
Ion Ratio Lower Upper

57 100

41 231.1 77.2 115.8#

43 184.7 173.8 260.6

56 148.3 43.8 65.6#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL036694.D

Acq: 6 Apr 2021 4:54

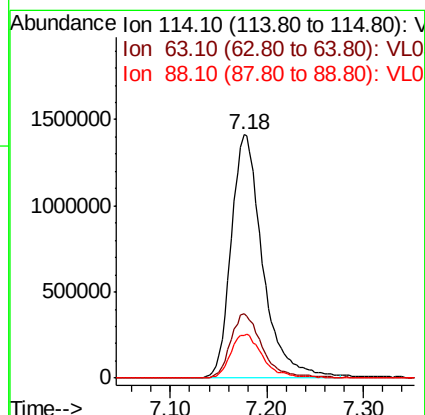
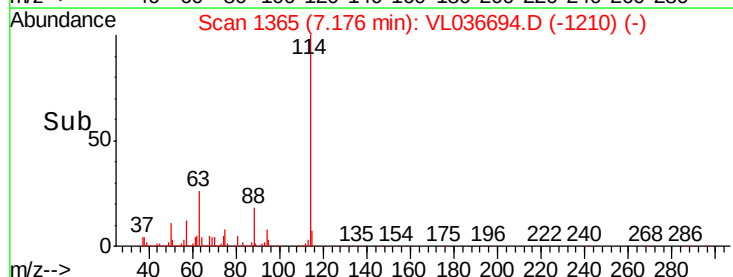
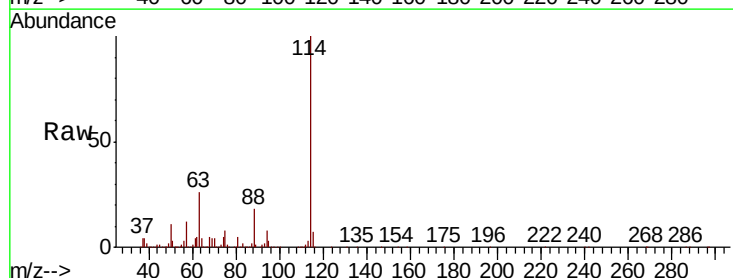
Tgt Ion: 114 Resp: 3199723

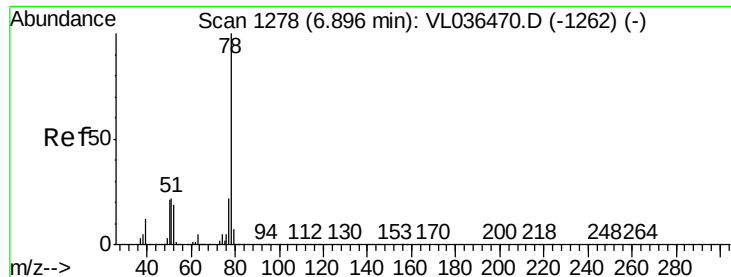
Ion Ratio Lower Upper

114 100

63 27.1 22.4 33.6

88 18.8 15.4 23.0





#36

Benzene

Concen: 0.052 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VL036694.D

Acq: 6 Apr 2021 4:54

Instrument :

MSVOA_L

ClientSampleId :

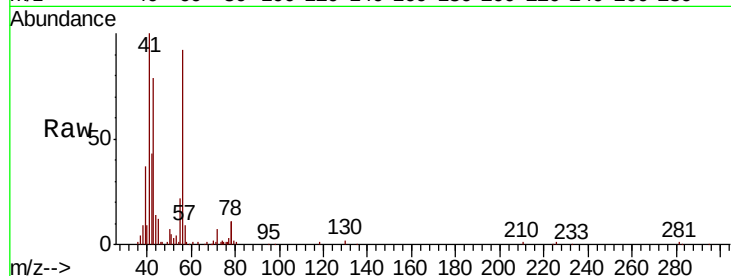
Tot Ion: 78 Resp: 15416

Ion Ratio Lower Upper

78 100

77 10.3 18.0 27.0#

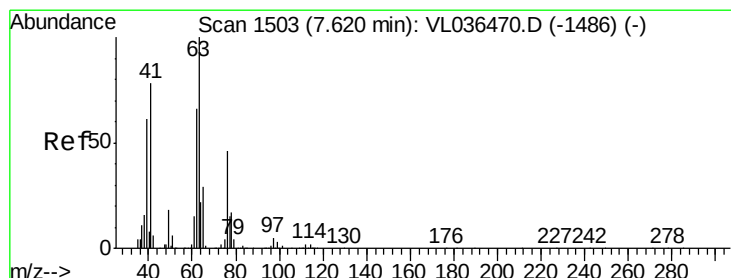
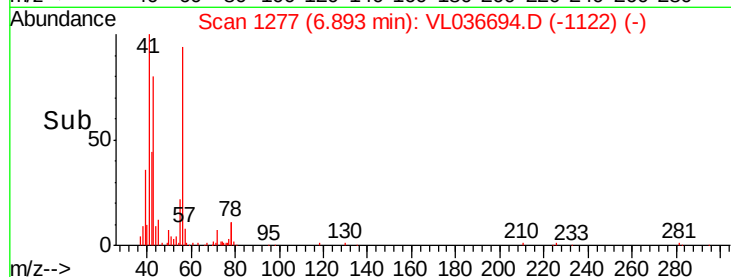
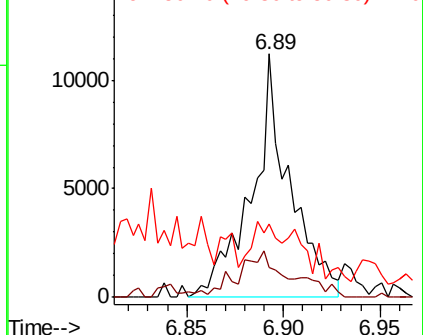
50 18.1 16.5 24.7



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 6.971 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.44 min

Lab File: VL036694.D

Acq: 6 Apr 2021 4:54

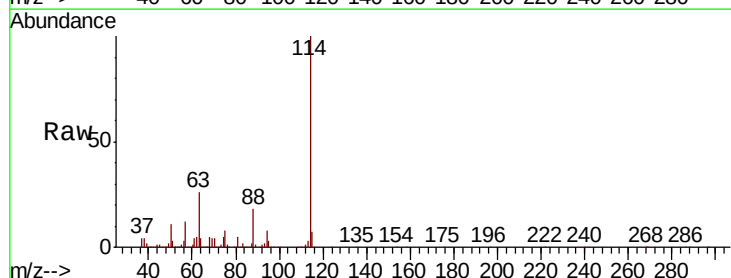
Tgt Ion: 63 Resp: 834527

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

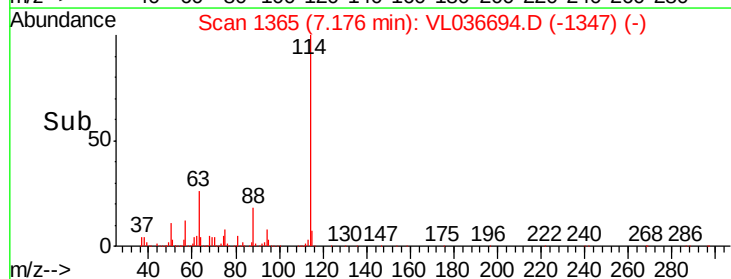
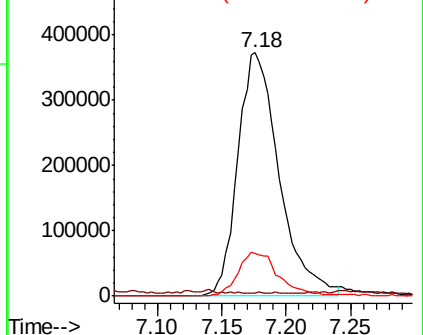
62 17.8 52.8 79.2#

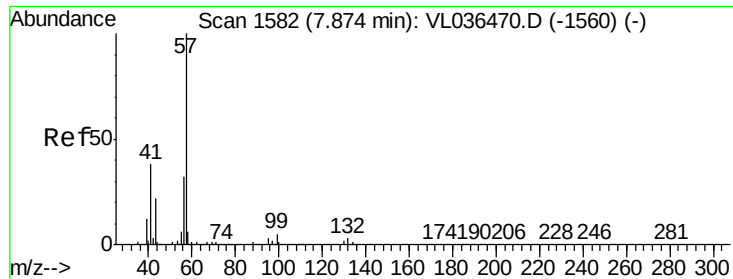


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

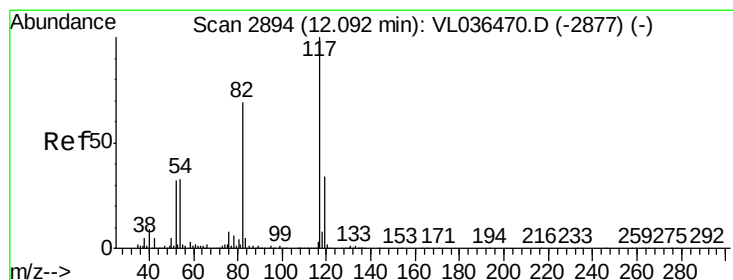
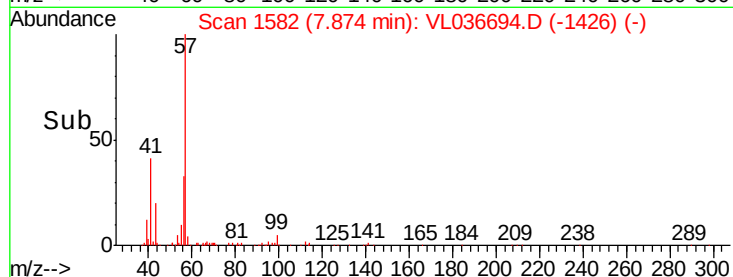
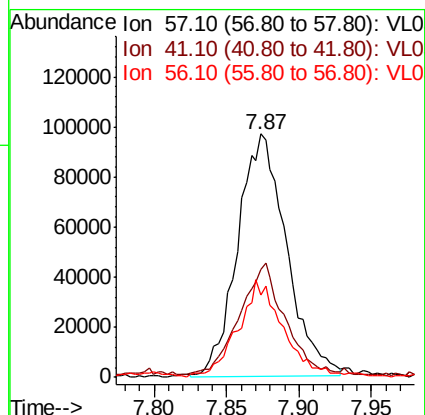
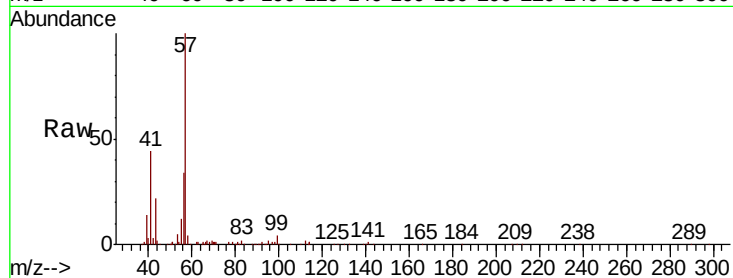




#44
 2,2,4-Trimethylpentane
 Concen: 0.438 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VL036694.D
 Acq: 6 Apr 2021 4:54

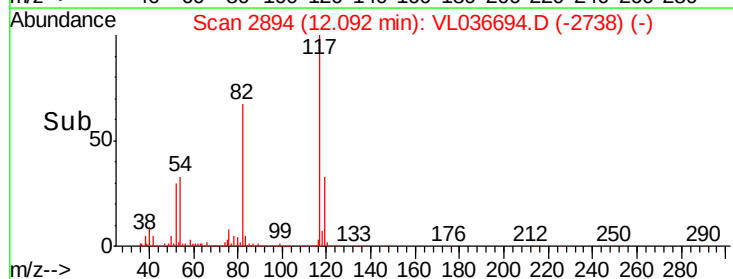
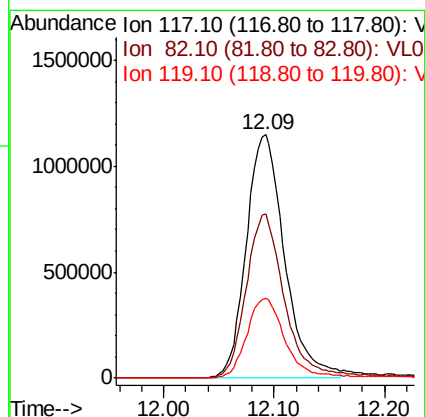
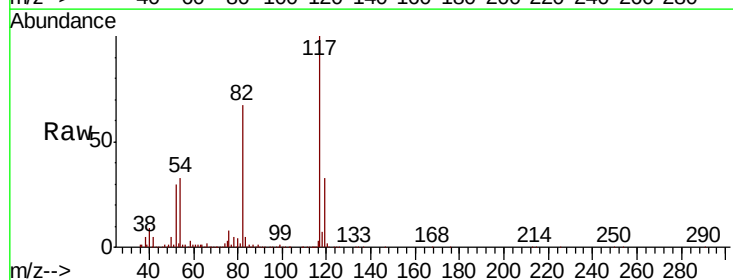
Instrument :
 MSVOA_L
 ClientSampleId :

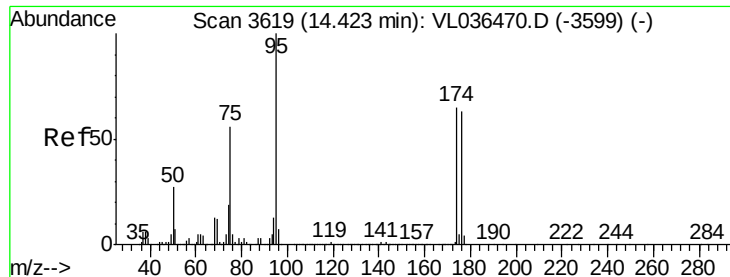
Tot Ion: 57 Resp: 227437
 Ion Ratio Lower Upper
 57 100
 41 44.2 28.8 43.2#
 56 38.5 26.1 39.1



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2894
 Delta R.T. 0.00 min
 Lab File: VL036694.D
 Acq: 6 Apr 2021 4:54

Tgt Ion: 117 Resp: 2761654
 Ion Ratio Lower Upper
 117 100
 82 69.7 57.4 86.0
 119 34.2 47.4 71.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.653 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.00 min

Lab File: VL036694.D

Acq: 6 Apr 2021 4:54

Instrument :

MSVOA_L

ClientSampleId :

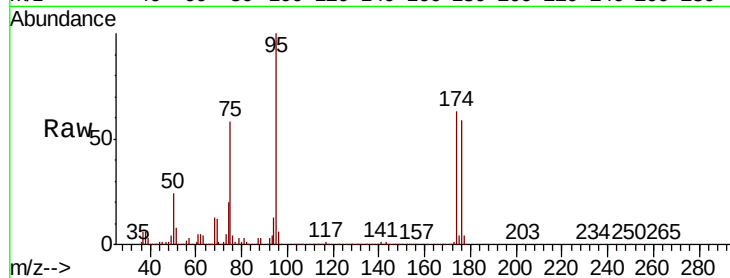
Tot Ion: 95 Resp: 2124713

Ion Ratio Lower Upper

95 100

174 68.0 51.0 76.6

175 5.0 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

