

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040521\
 Data File : VL036688.D
 Acq On : 6 Apr 2021 1:05
 Operator : SY/AP
 Sample : M1877-11 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 06 02:02:03 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	5.66	49	1317095	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3238448	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3007346	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2261589	9.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.40%

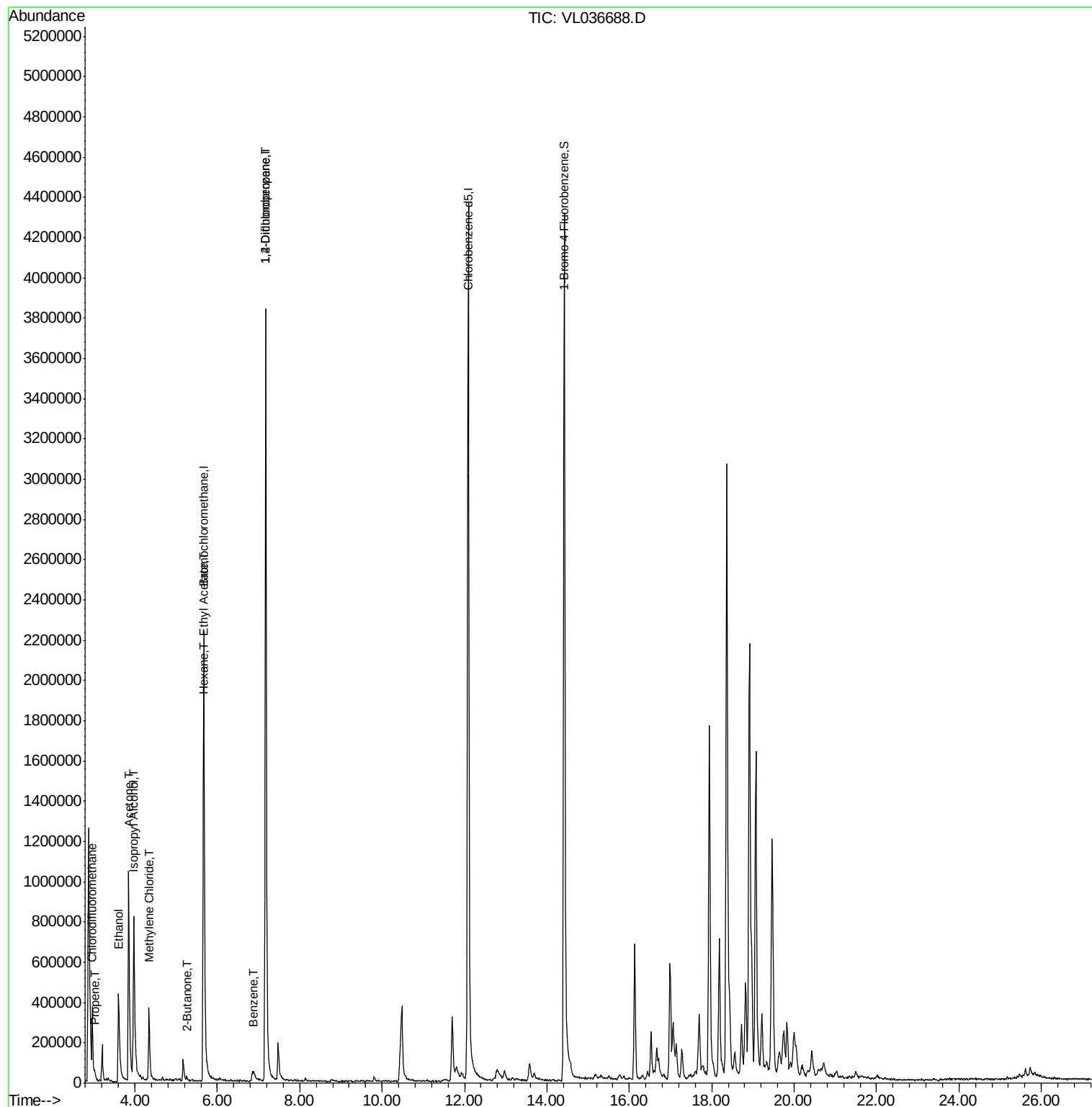
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.96	51	288865	1.174	ppbv #	60
9) Propene	3.02	41	11846	0.151	ppbv	93
13) Ethanol	3.60	45	607294	65.006	ppbv	92
15) Acetone	3.85	43	1329469	10.256	ppbv	98
19) Isopropyl Alcohol	3.97	45	1176674	16.501	ppbv	99
20) Methylene Chloride	4.34	84	46387	0.764	ppbv	94
25) Ethyl Acetate	5.68	43	25631	0.083	ppbv #	79
26) Hexane	5.69	57	56696	0.396	ppbv #	44
34) 2-Butanone	5.25	43	15631	0.099	ppbv #	38
36) Benzene	6.89	78	10938	0.037	ppbv #	88
39) 1,2-Dichloropropane	7.18	63	858083	7.082	ppbv #	23

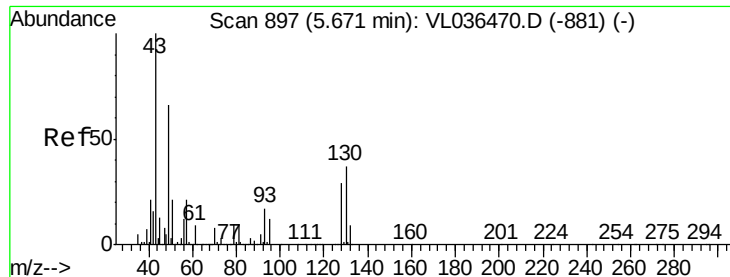
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040521\
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Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL036688.D

Acq: 6 Apr 2021 1:05

Instrument :

MSVOA_L

ClientSampleId :

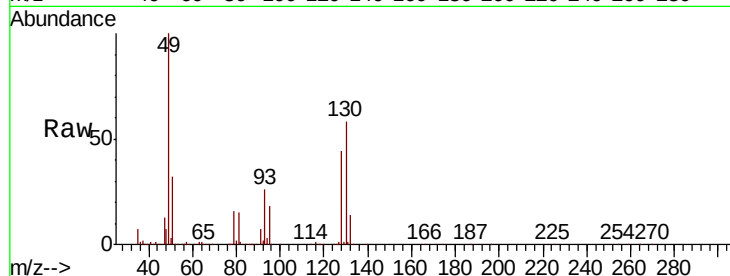
Tot Ion: 49 Resp: 1317095

Ion	Ratio	Lower	Upper
49	100		
128	46.4	23.5	70.6
130	59.8	29.1	87.4

49 100

128 46.4 23.5 70.6

130 59.8 29.1 87.4



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

800000

600000

400000

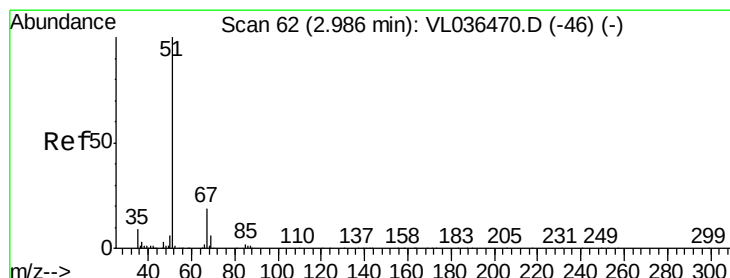
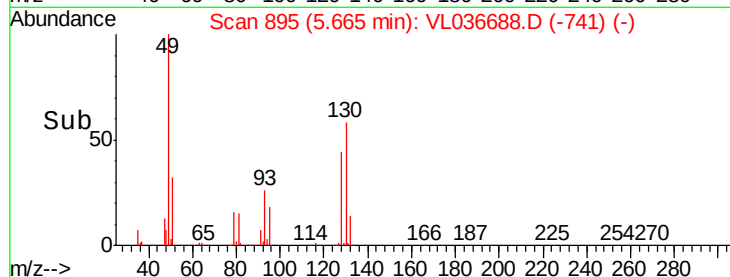
200000

0

5.66

5.60 5.65 5.70 5.75

Time-->



#3

Chlorodifluoromethane

Concen: 1.174 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.03 min

Lab File: VL036688.D

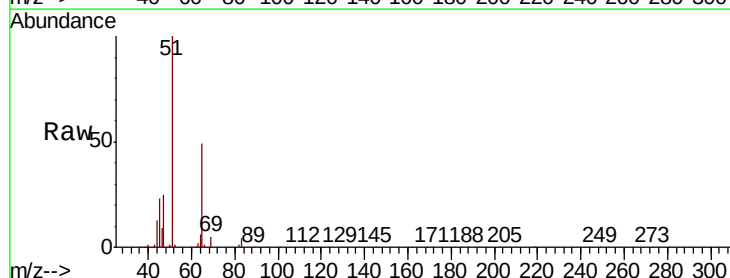
Acq: 6 Apr 2021 1:05

Tgt Ion: 51 Resp: 288865

Ion	Ratio	Lower	Upper
51	100		
67	0.5	14.7	22.1

51 100

67 0.5 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

150000

100000

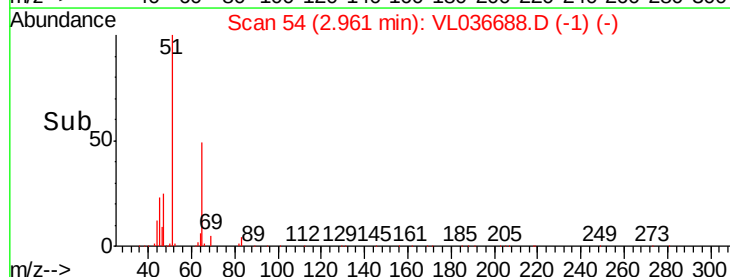
50000

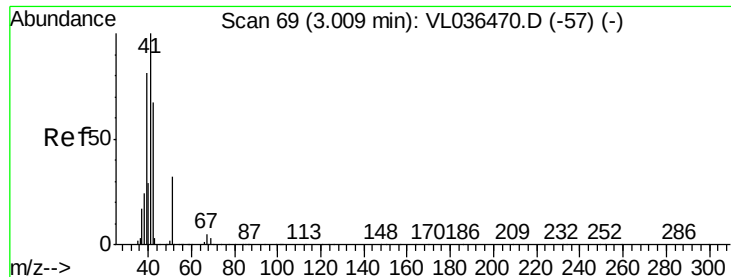
0

2.96

2.90 3.00 3.10 3.20

Time-->

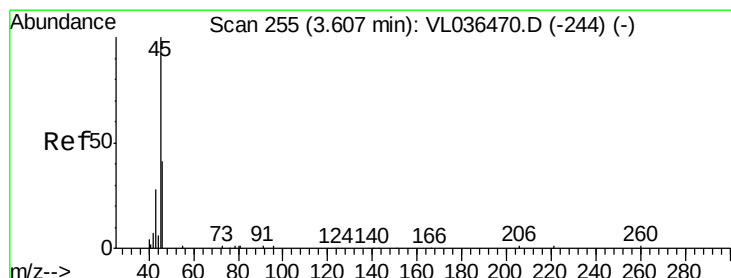
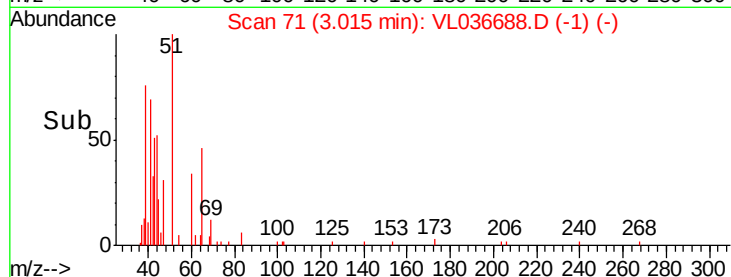
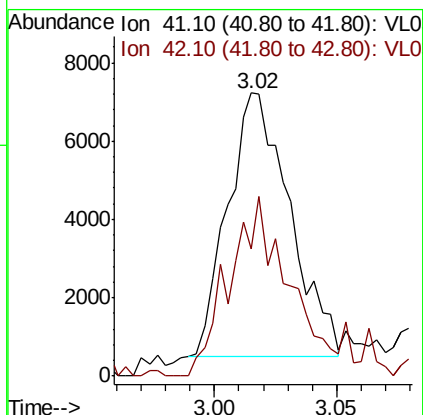
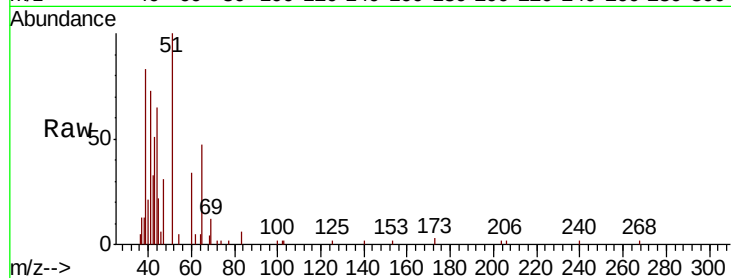




#9
 Propene
 Concen: 0.151 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL036688.D
 Acq: 6 Apr 2021 1:05

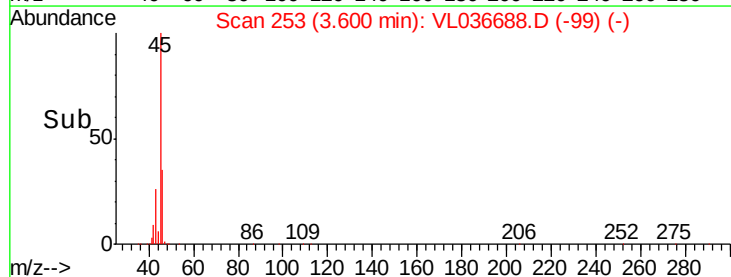
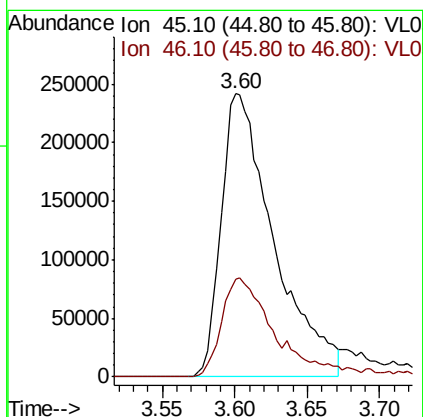
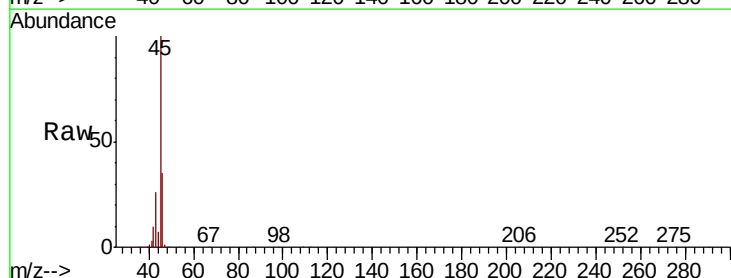
Instrument :
 MSVOA_L
 ClientSampleId :

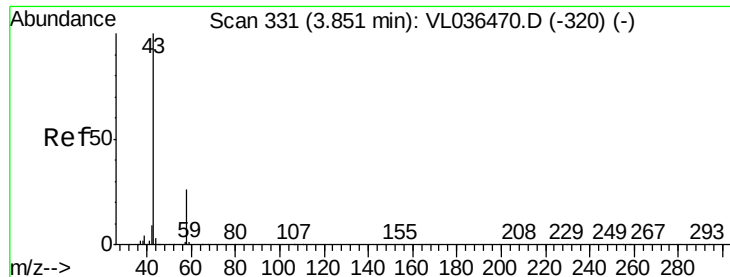
Tot Ion: 41 Resp: 11846
 Ion Ratio Lower Upper
 41 100
 42 76.6 57.0 85.4



#13
 Ethanol
 Concen: 65.006 ppbv
 RT: 3.60 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VL036688.D
 Acq: 6 Apr 2021 1:05

Tgt Ion: 45 Resp: 607294
 Ion Ratio Lower Upper
 45 100
 46 36.5 16.6 66.2





#15

Acetone

Concen: 10.256 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL036688.D

Acq: 6 Apr 2021 1:05

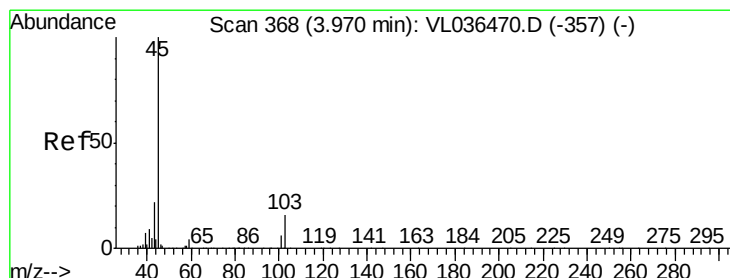
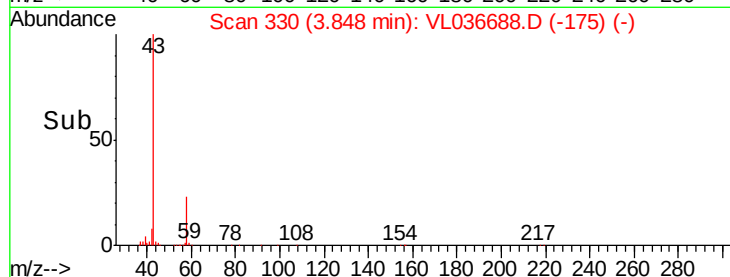
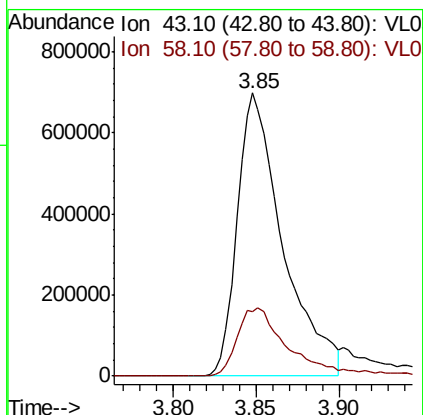
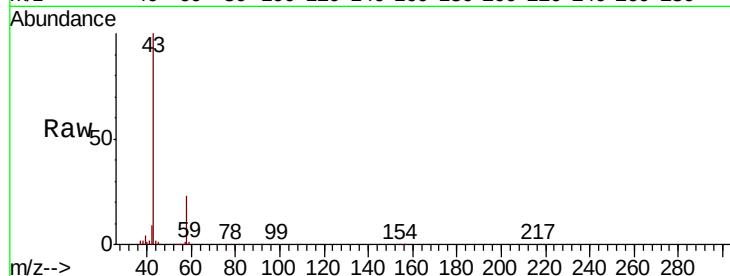
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1329469

Ion Ratio Lower Upper

43 100

58 27.7 21.2 31.8



#19

Isopropyl Alcohol

Concen: 16.501 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL036688.D

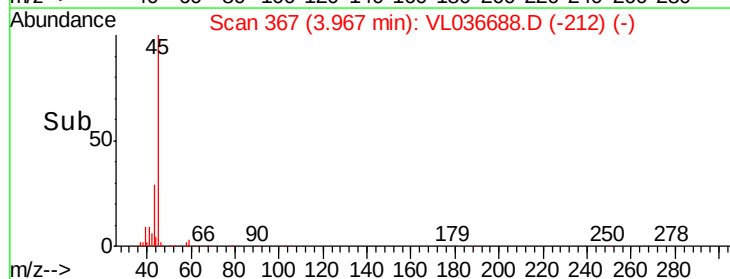
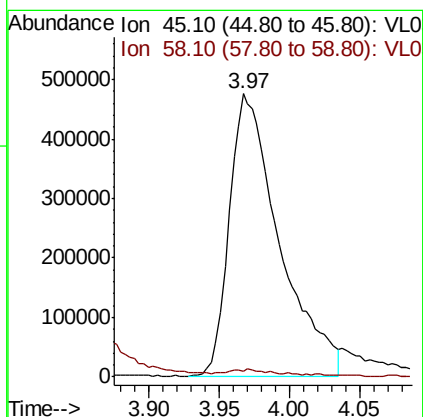
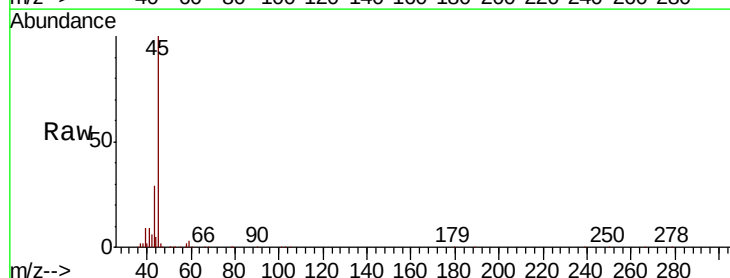
Acq: 6 Apr 2021 1:05

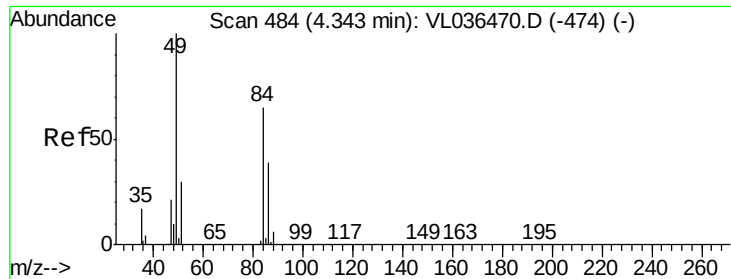
Tgt Ion: 45 Resp: 1176674

Ion Ratio Lower Upper

45 100

58 4.1 2.9 4.3

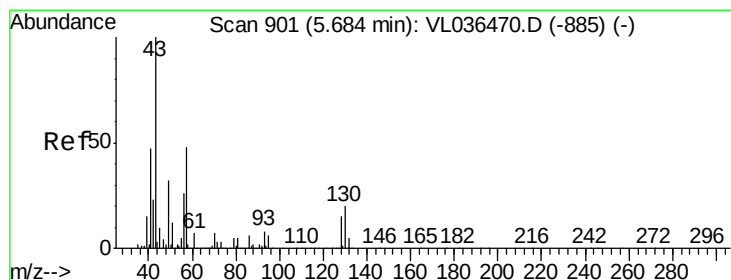
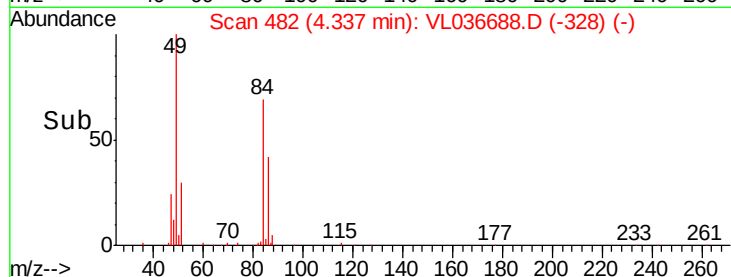
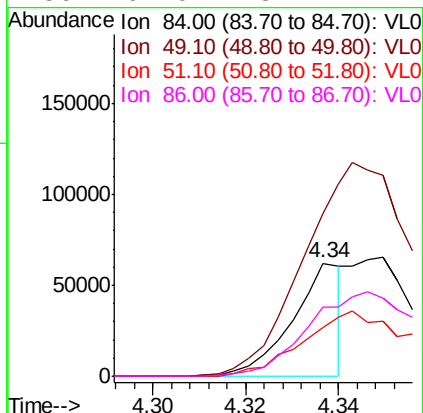
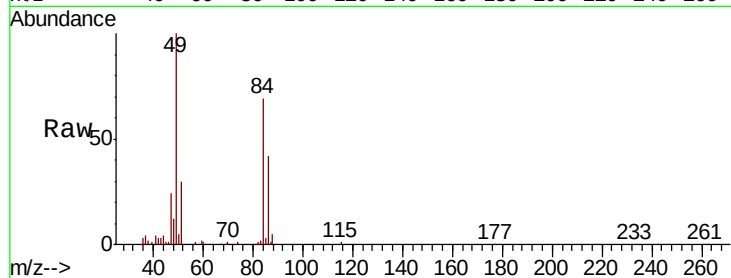




#20
Methylene Chloride
Concen: 0.764 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL036688.D
Acq: 6 Apr 2021 1:05

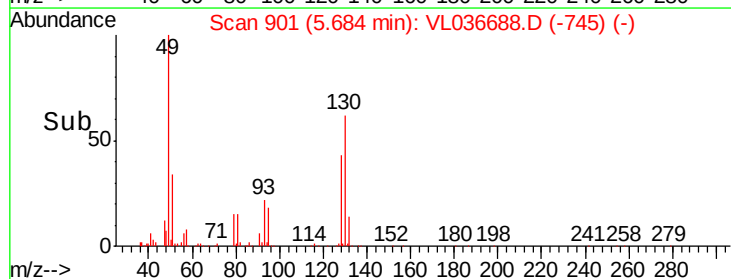
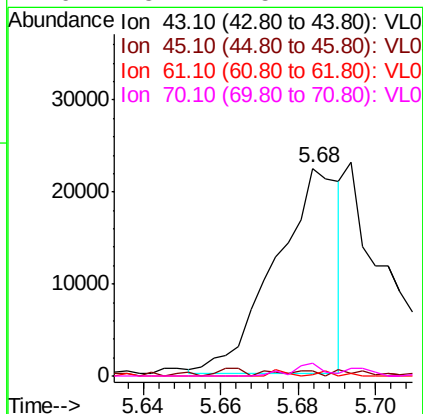
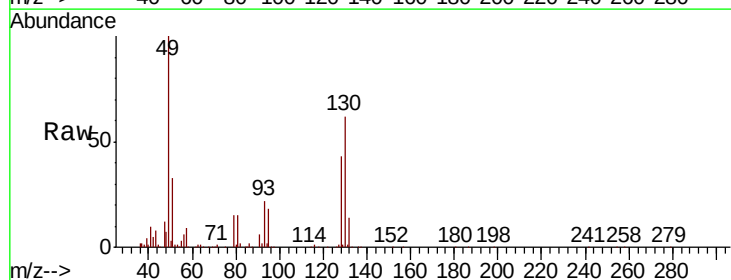
Instrument :
MSVOA_L
ClientSampleId :

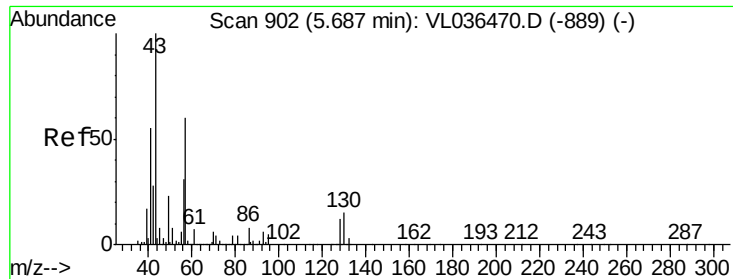
Tot Ion:	84	Resp:	46387
Ion	Ratio	Lower	Upper
84	100		
49	143.8	122.9	184.3
51	42.9	36.9	55.3
86	61.0	48.2	72.4



#25
Ethyl Acetate
Concen: 0.083 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL036688.D
Acq: 6 Apr 2021 1:05

Tgt Ion:	43	Resp:	25631
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.9	11.9#
61	0.0	7.4	11.2#
70	5.1	5.1	7.7#

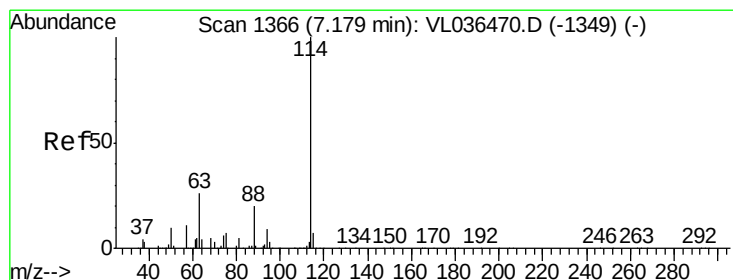
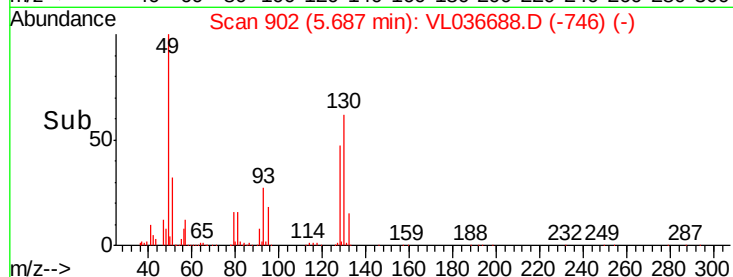
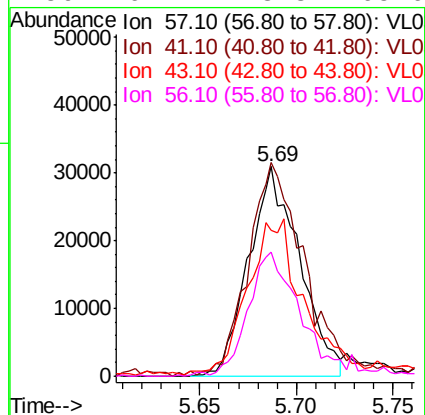
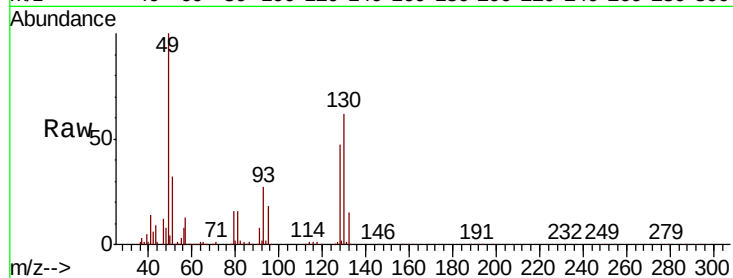




#26
Hexane
Concen: 0.396 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL036688.D
Acq: 6 Apr 2021 1:05

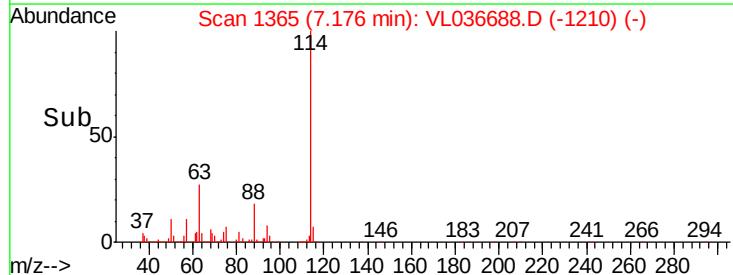
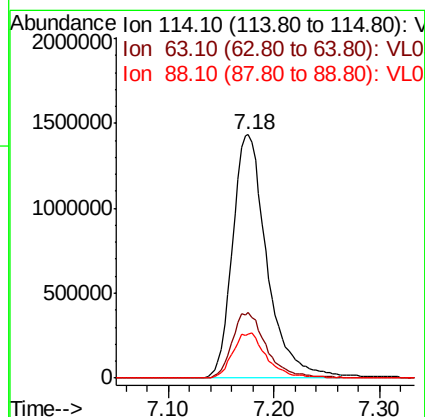
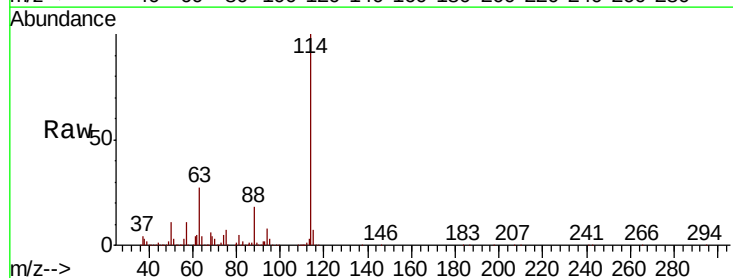
Instrument :
MSVOA_L
ClientSampled :

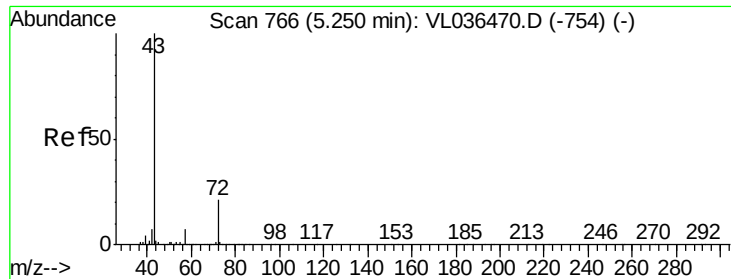
Tot Ion: 57 Resp: 56696
Ion Ratio Lower Upper
57 100
41 117.5 77.2 115.8#
43 85.7 173.8 260.6#
56 64.1 43.8 65.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL036688.D
Acq: 6 Apr 2021 1:05

Tgt Ion: 114 Resp: 3238448
Ion Ratio Lower Upper
114 100
63 27.2 22.4 33.6
88 18.7 15.4 23.0

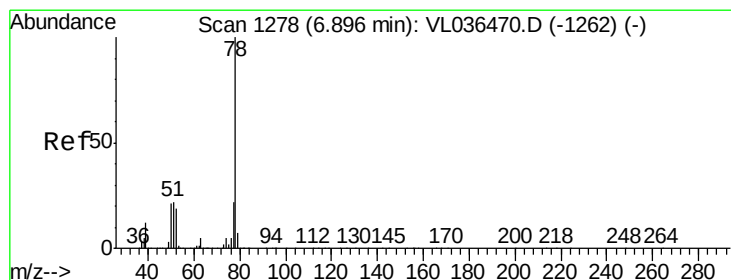
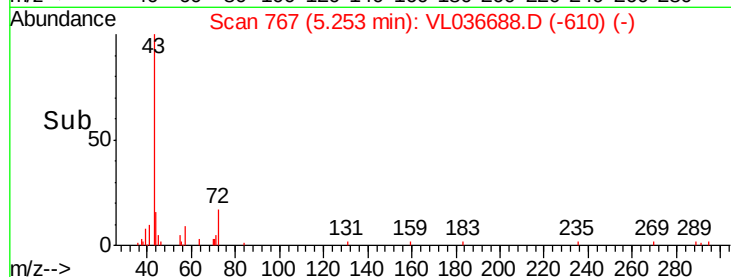
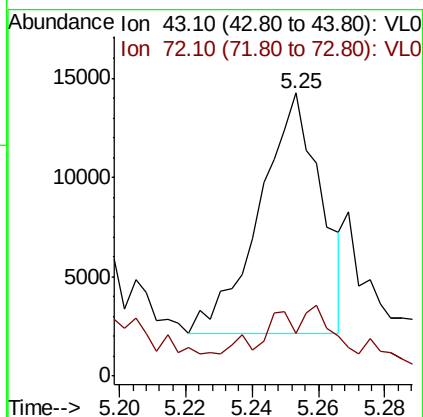
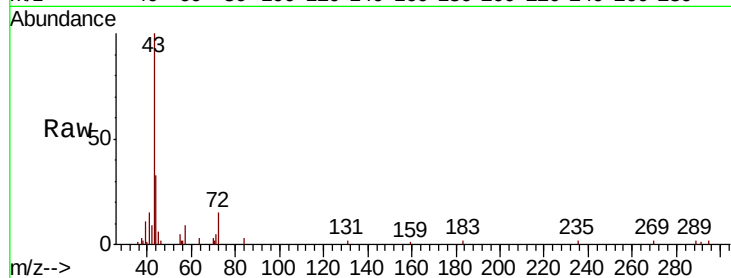




#34
2-Butanone
Concen: 0.099 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.00 min
Lab File: VL036688.D
Acq: 6 Apr 2021 1:05

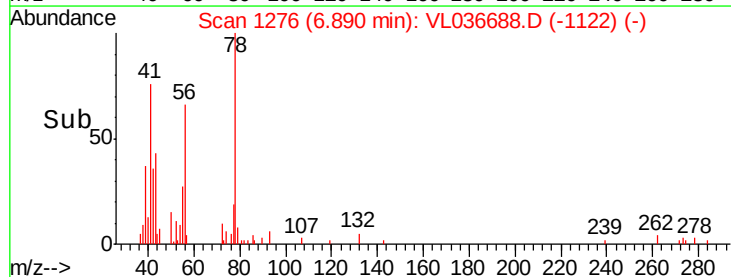
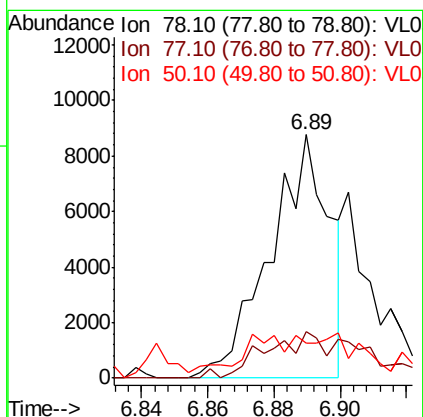
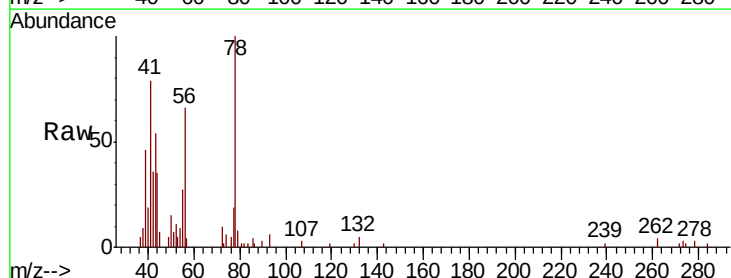
Instrument :
MSVOA_L
ClientSampleId :

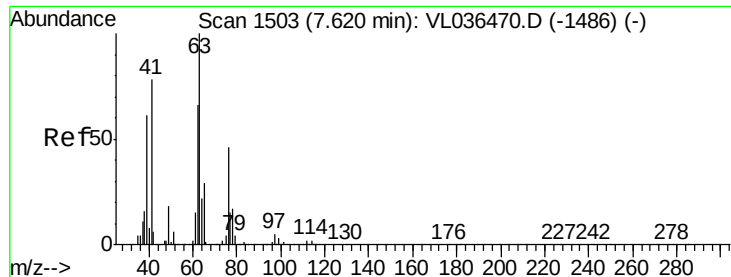
Tot Ion: 43 Resp: 15631
Ion Ratio Lower Upper
43 100
72 50.5 17.0 25.6#



#36
Benzene
Concen: 0.037 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL036688.D
Acq: 6 Apr 2021 1:05

Tgt Ion: 78 Resp: 10938
Ion Ratio Lower Upper
78 100
77 18.9 18.0 27.0
50 12.3 16.5 24.7#

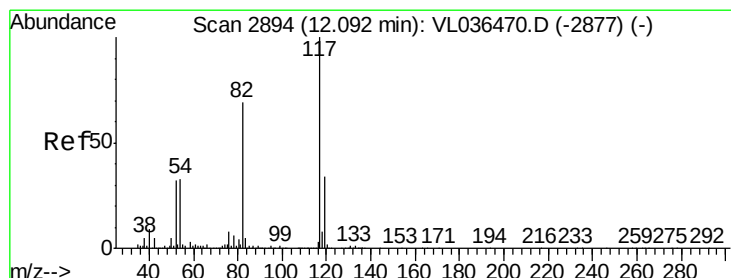
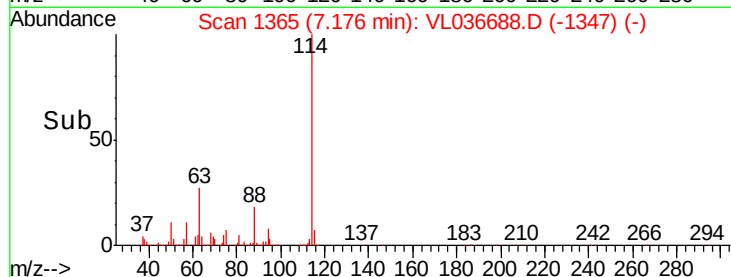
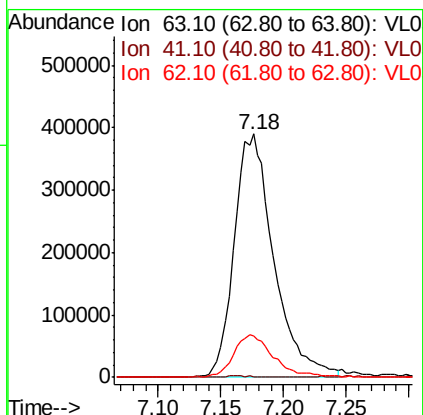
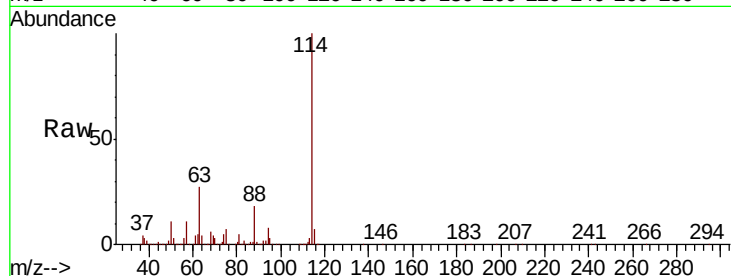




#39
 1,2-Dichloropropane
 Concen: 7.082 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.44 min
 Lab File: VL036688.D
 Acq: 6 Apr 2021 1:05

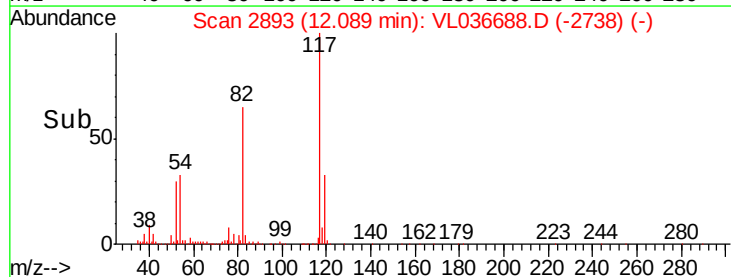
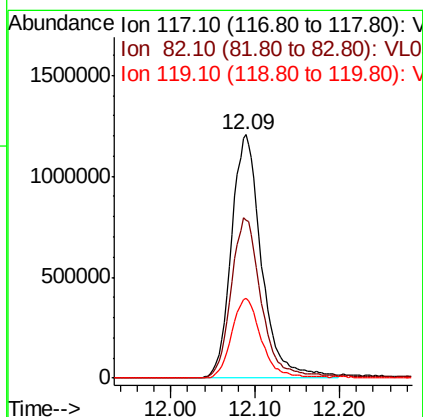
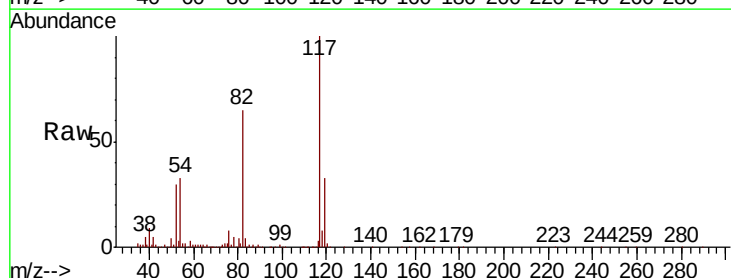
Instrument :
 MSVOA_L
 ClientSampleId :

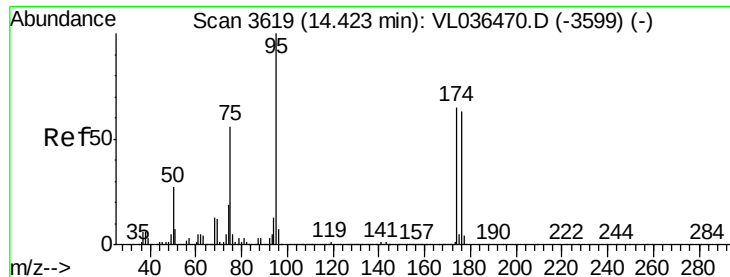
Tot Ion: 63 Resp: 858083
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.4 93.6#
 62 16.9 52.8 79.2#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2893
 Delta R.T. -0.00 min
 Lab File: VL036688.D
 Acq: 6 Apr 2021 1:05

Tgt Ion: 117 Resp: 3007346
 Ion Ratio Lower Upper
 117 100
 82 67.2 57.4 86.0
 119 33.1 47.4 71.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.436 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.00 min

Lab File: VL036688.D

Acq: 6 Apr 2021 1:05

Instrument :

MSVOA_L

ClientSampleId :

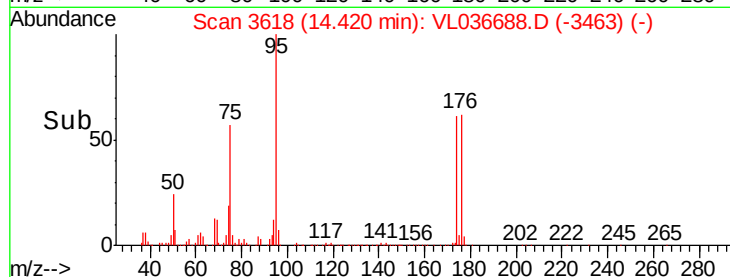
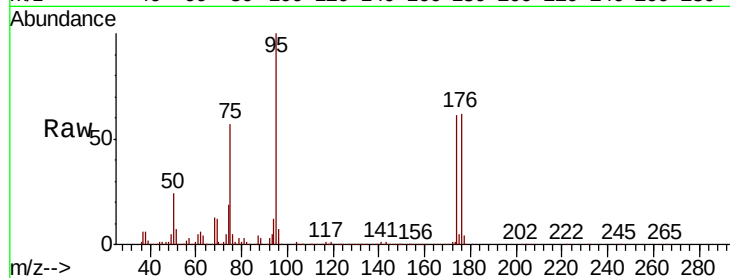
Tot Ion: 95 Resp: 2261589

Ion Ratio Lower Upper

95 100

174 67.9 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

