

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020321\
 Data File : VL036296.D
 Acq On : 3 Feb 2021 16:40
 Operator : SY/AP
 Sample : M1295-02 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 04 01:47:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1659153	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	3443273	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.12	117	3153542	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2631038	10.08	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

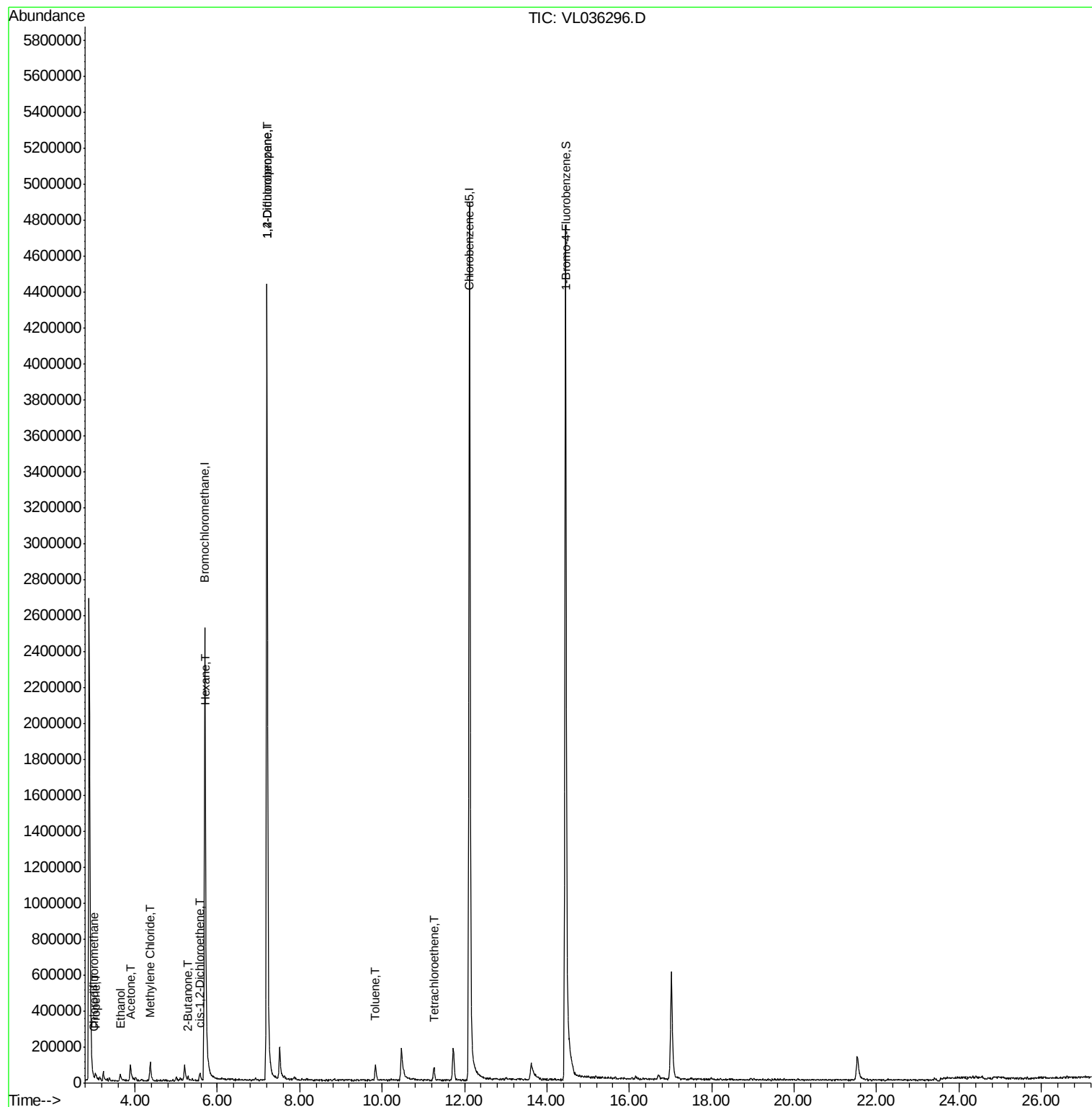
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.00	51	7449	0.037	ppbv	98
9) Propene	3.04	41	9688	0.100	ppbv	93
13) Ethanol	3.63	45	14328	0.940	ppbv #	29
15) Acetone	3.88	43	37949	0.187	ppbv #	49
20) Methylene Chloride	4.37	84	34286	0.529	ppbv	92
26) Hexane	5.72	57	14625	0.086	ppbv #	33
31) cis-1,2-Dichloroethene	5.57	61	13955	0.086	ppbv	92
34) 2-Butanone	5.28	43	9617	0.038	ppbv #	56
39) 1,2-Dichloropropane	7.20	63	1029066	8.033	ppbv #	21
52) Tetrachloroethene	11.25	164	5345	0.046	ppbv	84
53) Toluene	9.84	91	68817	0.195	ppbv	96

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

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QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.03 min

Lab File: VL036296.D

Acq: 3 Feb 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

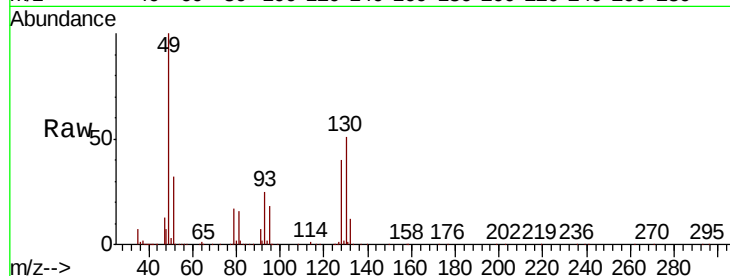
Tot Ion: 49 Resp: 1659153

Ion Ratio Lower Upper

49 100

128 40.5 20.1 60.2

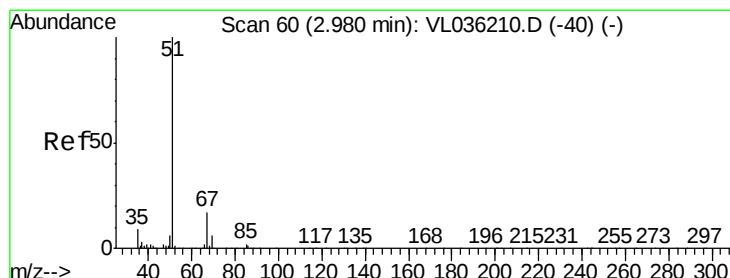
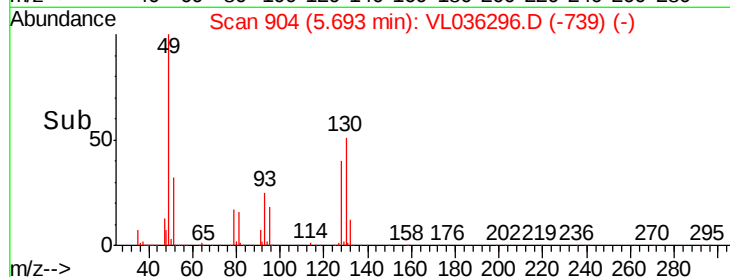
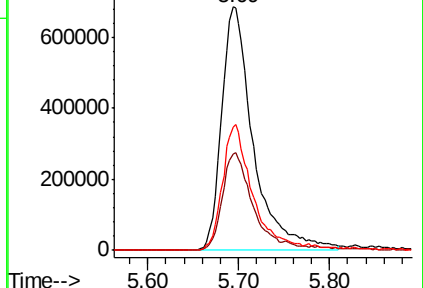
130 50.1 25.3 75.9



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



#3

Chlorodifluoromethane

Concen: 0.037 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.02 min

Lab File: VL036296.D

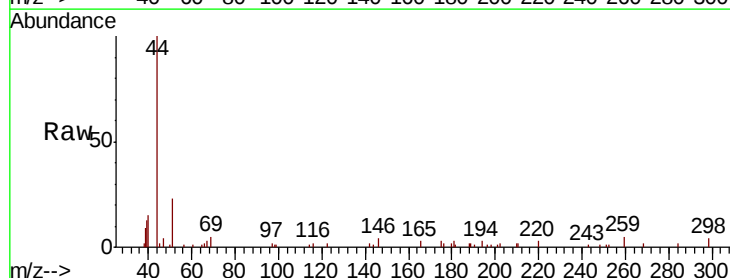
Acq: 3 Feb 2021 16:40

Tgt Ion: 51 Resp: 7449

Ion Ratio Lower Upper

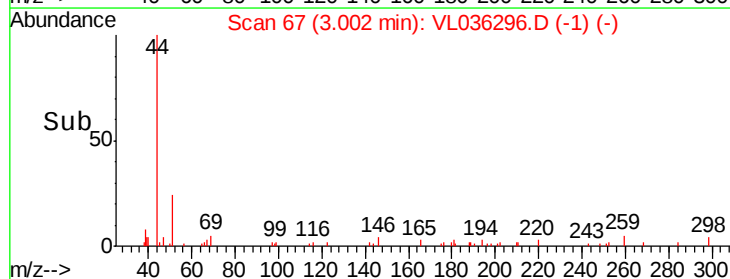
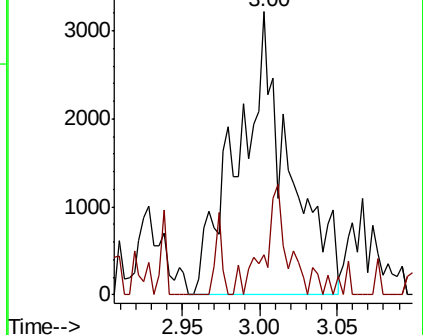
51 100

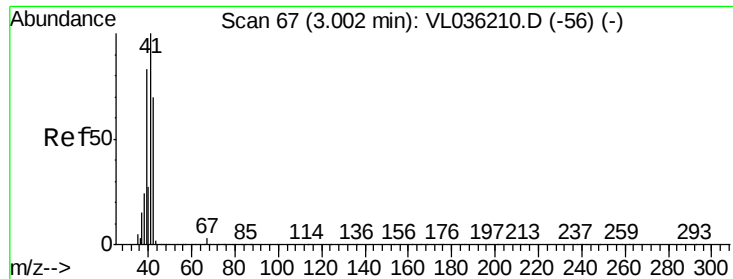
67 18.2 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

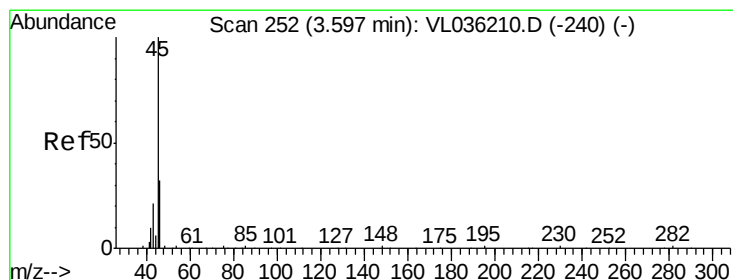
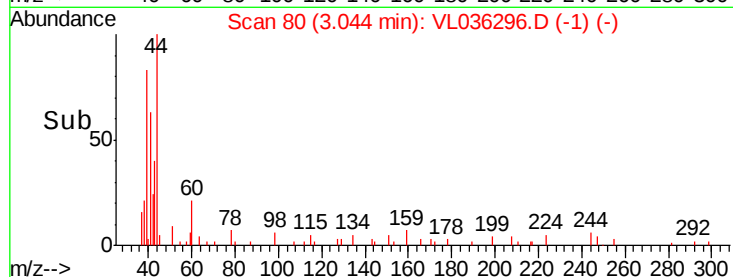
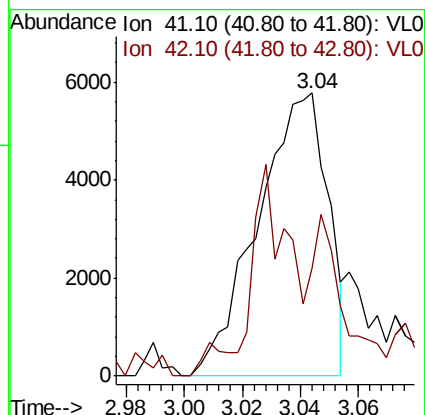
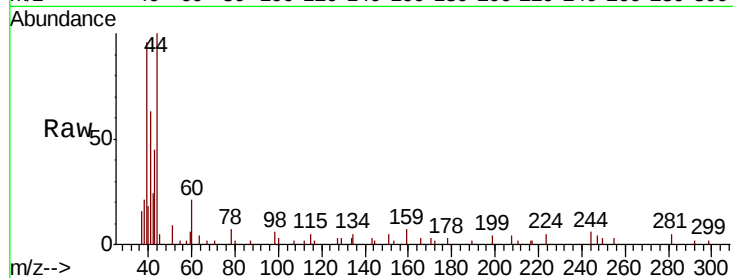




#9
 Propene
 Concen: 0.100 ppbv
 RT: 3.04 min Scan# 80
 Delta R.T. 0.04 min
 Lab File: VL036296.D
 Acq: 3 Feb 2021 16:40

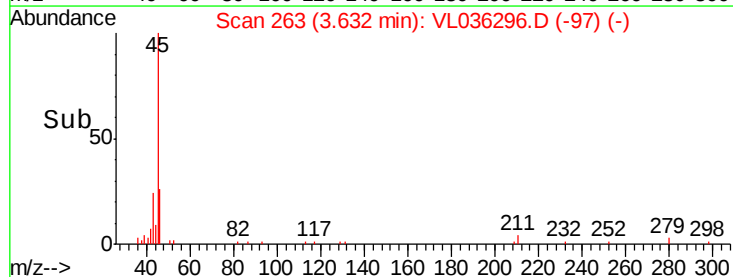
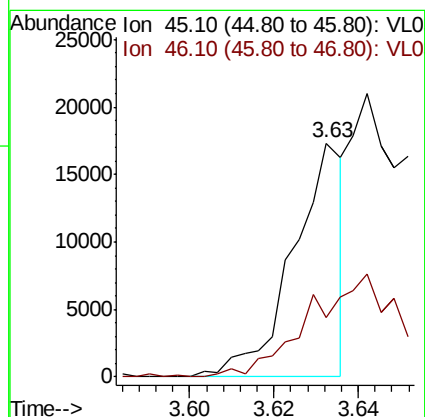
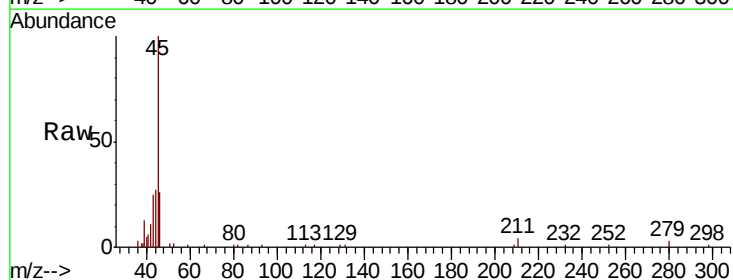
Instrument :
 MSVOA_L
 ClientSampleId :

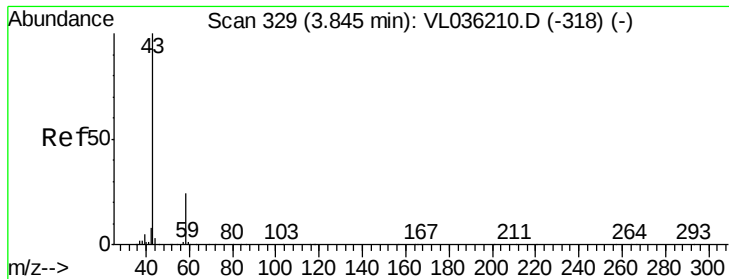
Tot Ion: 41 Resp: 9688
 Ion Ratio Lower Upper
 41 100
 42 76.8 57.1 85.7



#13
 Ethanol
 Concen: 0.940 ppbv
 RT: 3.63 min Scan# 263
 Delta R.T. 0.04 min
 Lab File: VL036296.D
 Acq: 3 Feb 2021 16:40

Tgt Ion: 45 Resp: 14328
 Ion Ratio Lower Upper
 45 100
 46 0.0 19.2 77.0#

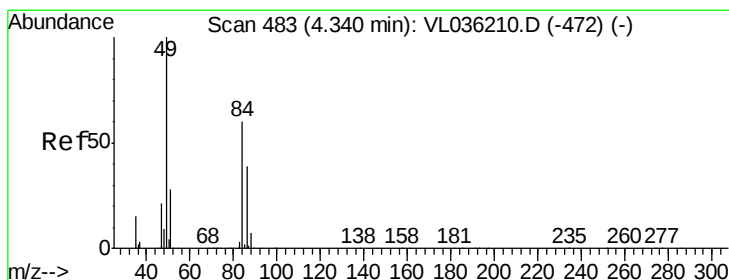
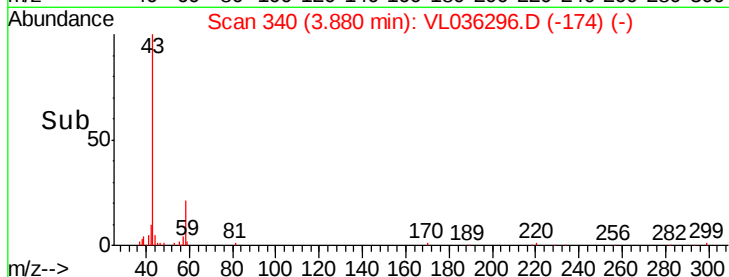
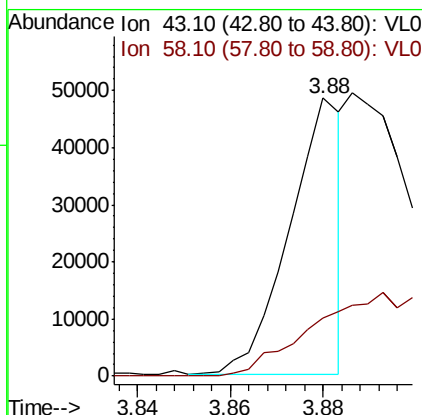
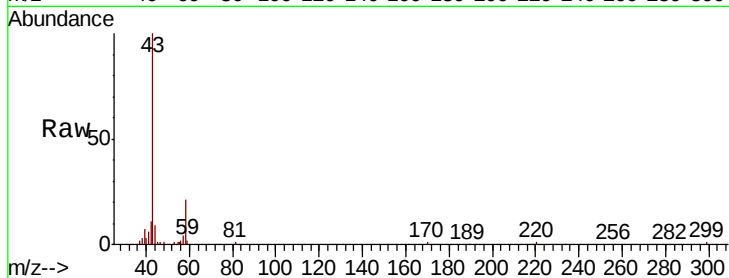




#15
Acetone
Concen: 0.187 ppbv
RT: 3.88 min Scan# 340
Delta R.T. 0.04 min
Lab File: VL036296.D
Acq: 3 Feb 2021 16:40

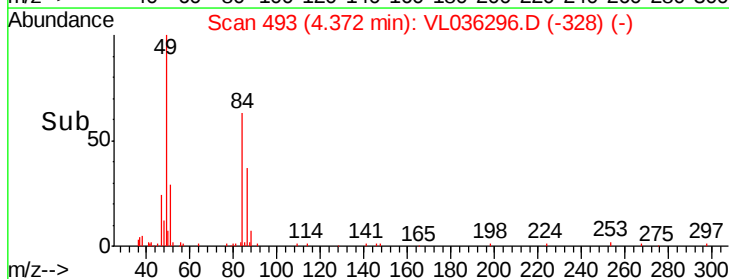
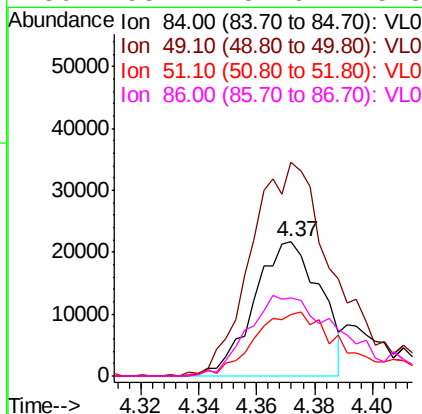
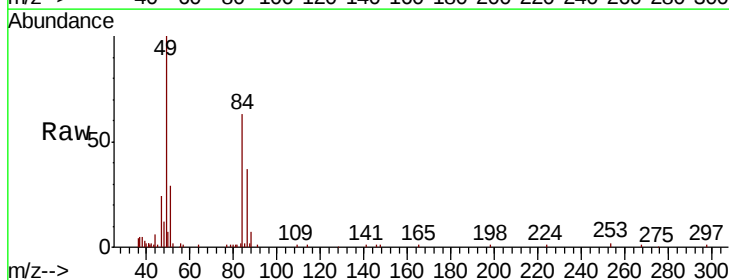
Instrument :
MSVOA_L
ClientSampleId :

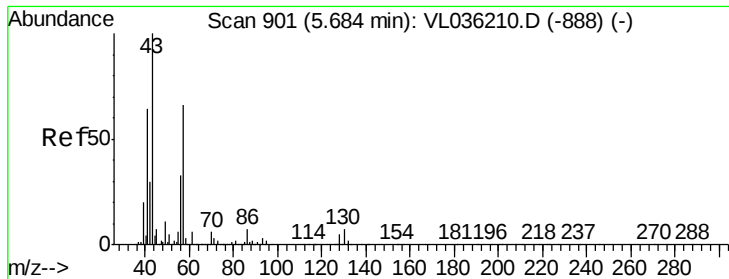
Tot Ion: 43 Resp: 37949
Ion Ratio Lower Upper
43 100
58 0.0 20.9 31.3#



#20
Methylene Chloride
Concen: 0.529 ppbv
RT: 4.37 min Scan# 493
Delta R.T. 0.03 min
Lab File: VL036296.D
Acq: 3 Feb 2021 16:40

Tgt Ion: 84 Resp: 34286
Ion Ratio Lower Upper
84 100
49 156.3 134.1 201.1
51 44.9 37.4 56.0
86 58.2 52.6 78.8

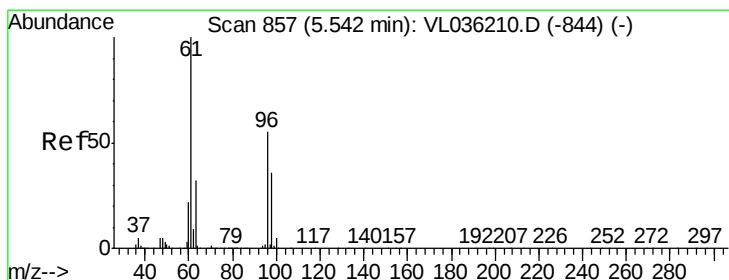
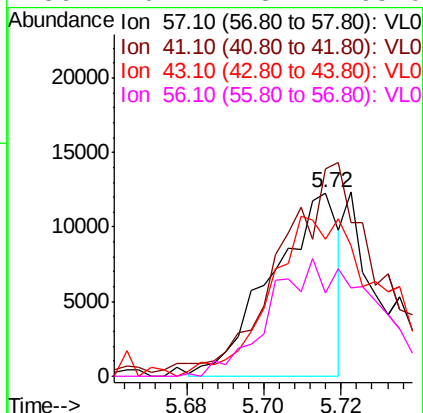
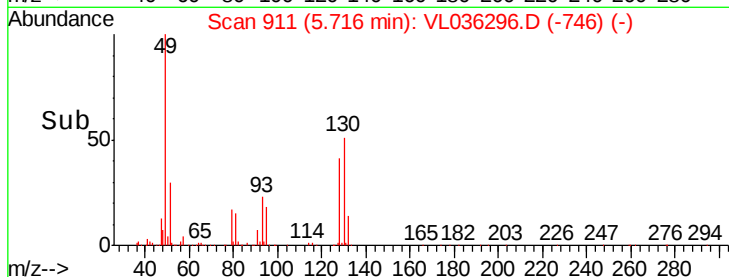
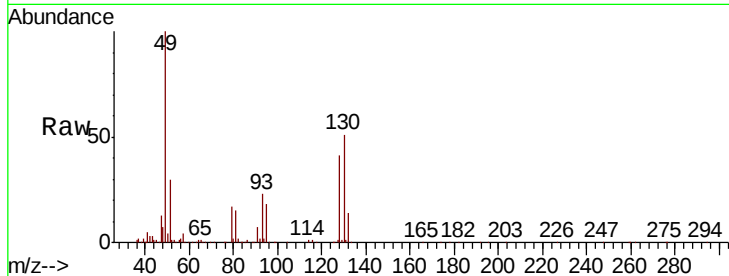




#26
Hexane
Concen: 0.086 ppbv
RT: 5.72 min Scan# 911
Delta R.T. 0.03 min
Lab File: VL036296.D
Acq: 3 Feb 2021 16:40

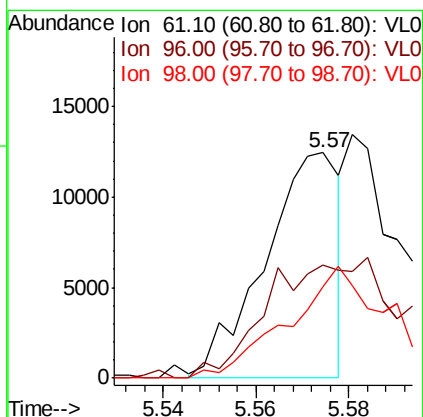
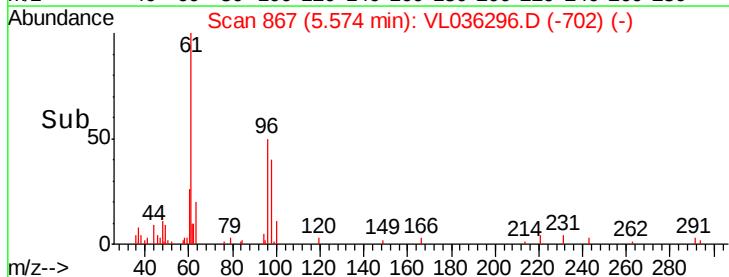
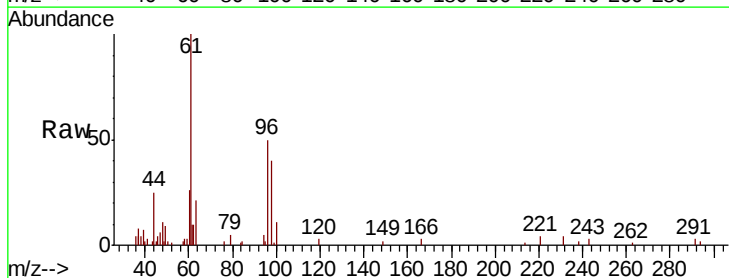
Instrument :
MSVOA_L
ClientSampleId :

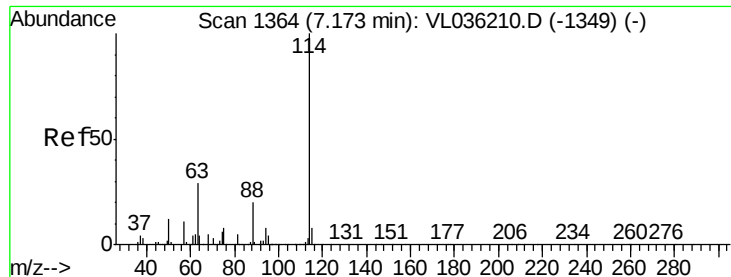
Tot Ion: 57 Resp: 14625
Ion Ratio Lower Upper
57 100
41 0.0 83.0 124.6#
43 163.6 202.4 303.6#
56 110.2 43.4 65.0#



#31
cis-1,2-Dichloroethene
Concen: 0.086 ppbv
RT: 5.57 min Scan# 867
Delta R.T. 0.03 min
Lab File: VL036296.D
Acq: 3 Feb 2021 16:40

Tgt Ion: 61 Resp: 13955
Ion Ratio Lower Upper
61 100
96 46.3 44.1 66.1
98 37.2 28.6 42.8

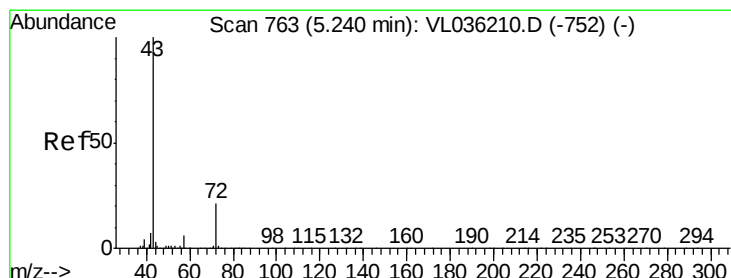
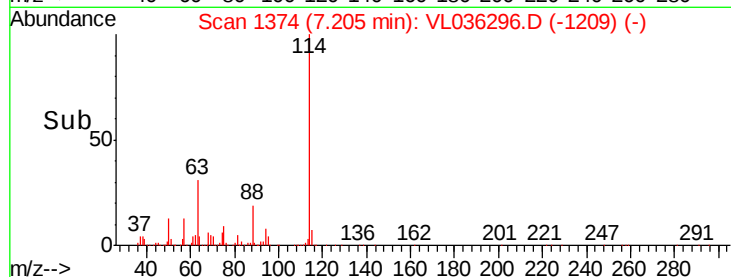
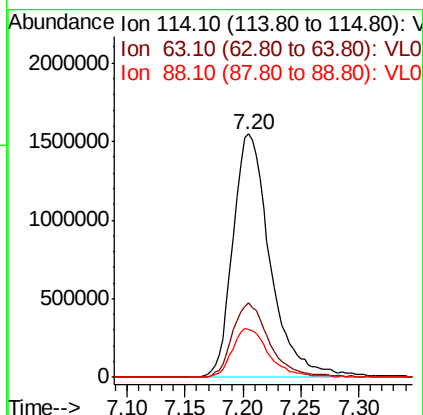
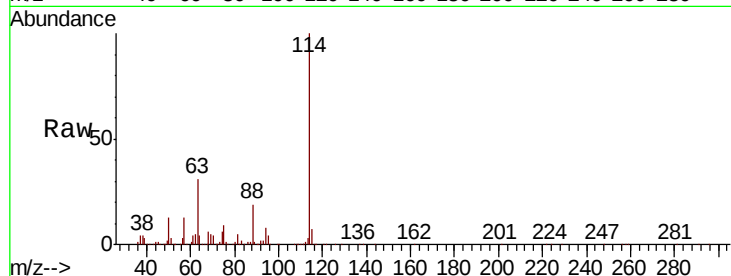




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. 0.03 min
 Lab File: VL036296.D
 Acq: 3 Feb 2021 16:40

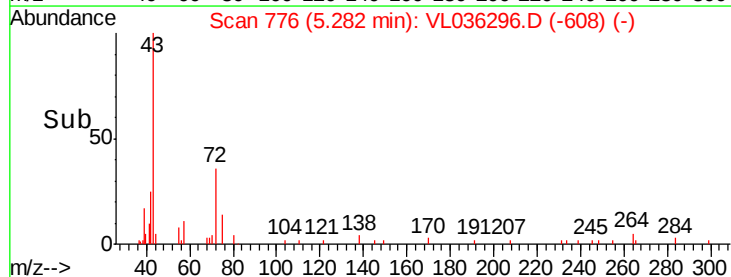
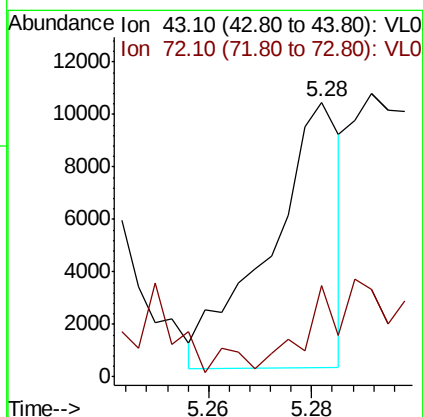
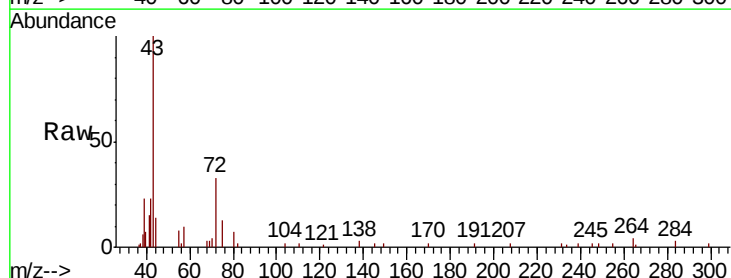
Instrument :
 MSVOA_L
 ClientSampleId :

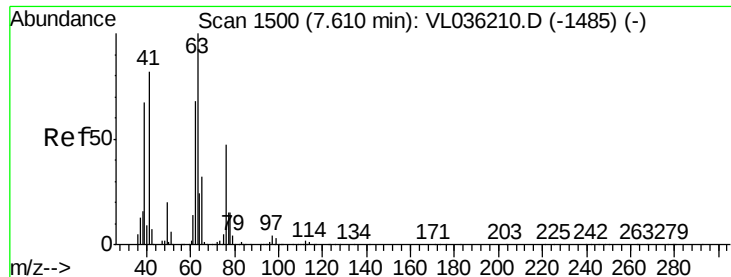
Tot Ion:114 Resp: 3443273
 Ion Ratio Lower Upper
 114 100
 63 31.0 24.7 37.1
 88 20.2 16.6 24.8



#34
 2-Butanone
 Concen: 0.038 ppbv
 RT: 5.28 min Scan# 776
 Delta R.T. 0.04 min
 Lab File: VL036296.D
 Acq: 3 Feb 2021 16:40

Tgt Ion: 43 Resp: 9617
 Ion Ratio Lower Upper
 43 100
 72 0.0 16.1 24.1#

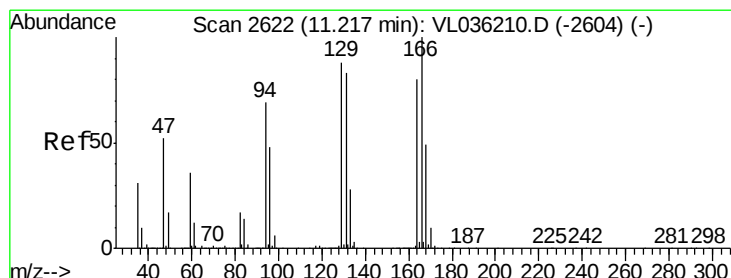
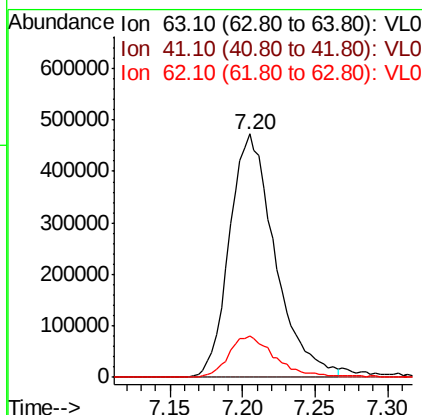
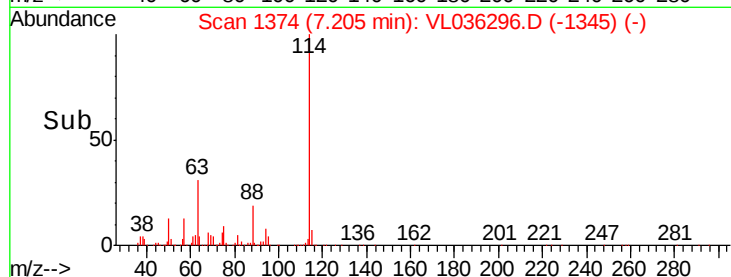
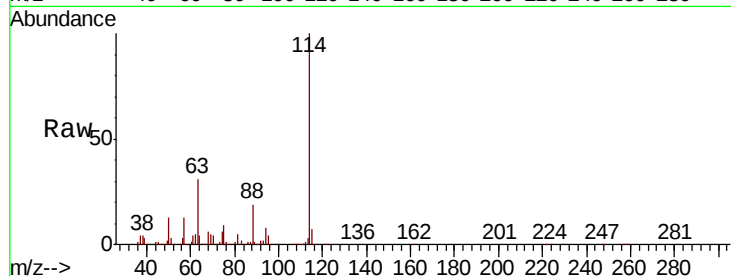




#39
 1,2-Dichloropropane
 Concen: 8.033 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. -0.41 min
 Lab File: VL036296.D
 Acq: 3 Feb 2021 16:40

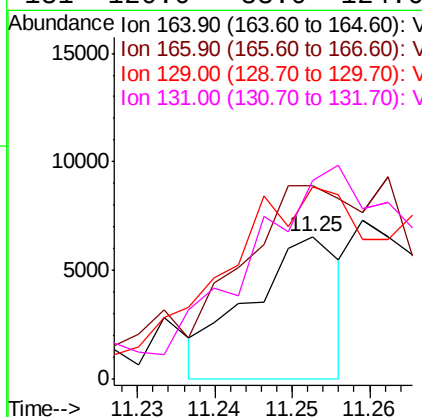
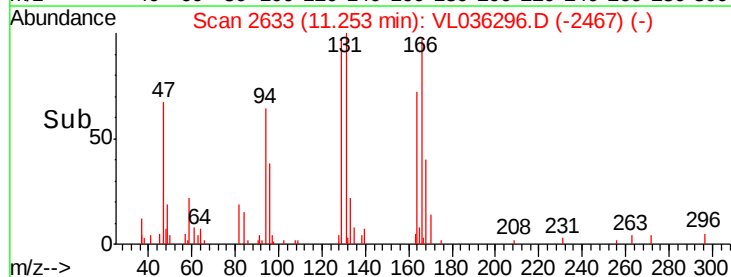
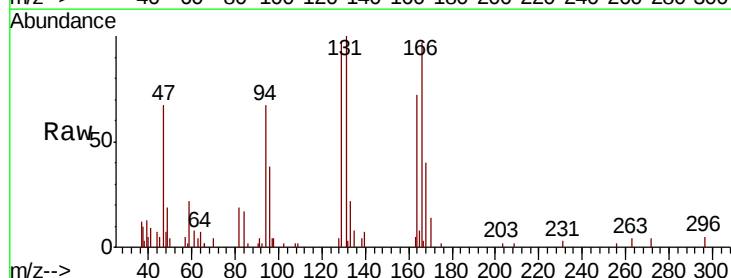
Instrument :
 MSVOA_L
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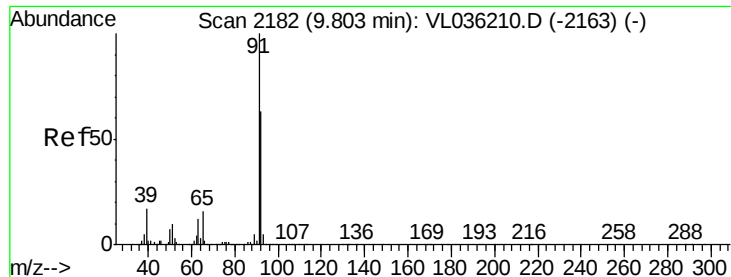
Tot Ion: 63 Resp: 1029066
 Ion Ratio Lower Upper
 63 100
 41 0.0 66.1 99.1#
 62 17.0 54.8 82.2#



#52
 Tetrachloroethene
 Concen: 0.046 ppbv
 RT: 11.25 min Scan# 2633
 Delta R.T. 0.04 min
 Lab File: VL036296.D
 Acq: 3 Feb 2021 16:40

Tgt Ion: 164 Resp: 5345
 Ion Ratio Lower Upper
 164 100
 166 149.9 99.9 149.9
 129 118.8 88.2 132.4
 131 120.0 83.0 124.6





#53

Toluene

Concen: 0.195 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.04 min

Lab File: VL036296.D

Acq: 3 Feb 2021 16:40

Instrument :

MSVOA_L

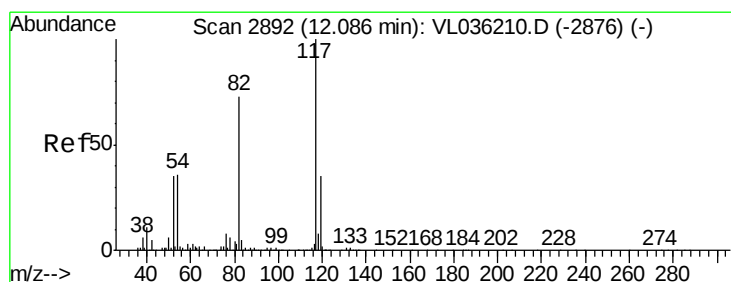
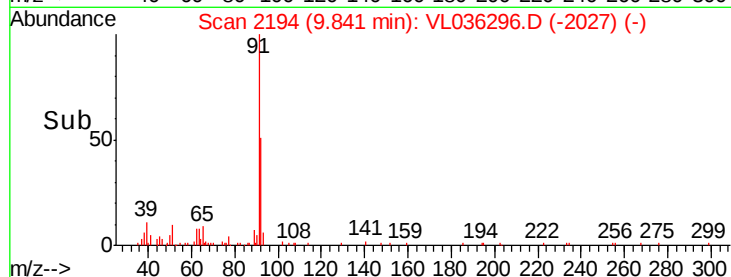
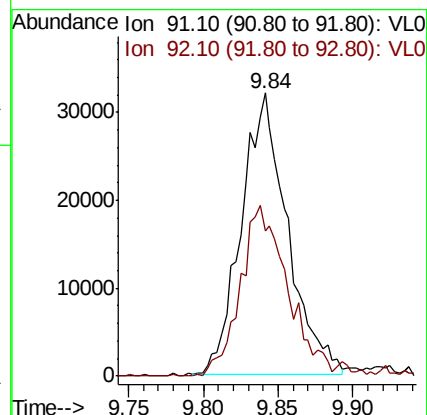
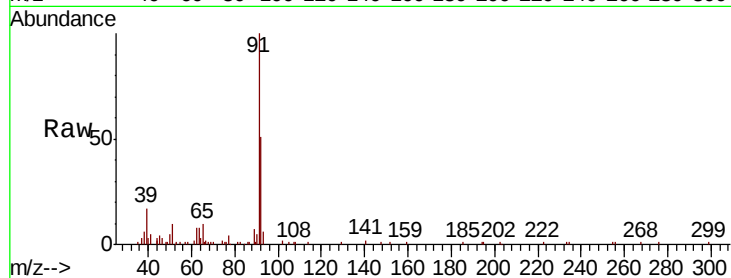
ClientSampleId :

Tot Ion: 91 Resp: 68817

Ion Ratio Lower Upper

91 100

92 63.5 48.5 72.7



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. 0.03 min

Lab File: VL036296.D

Acq: 3 Feb 2021 16:40

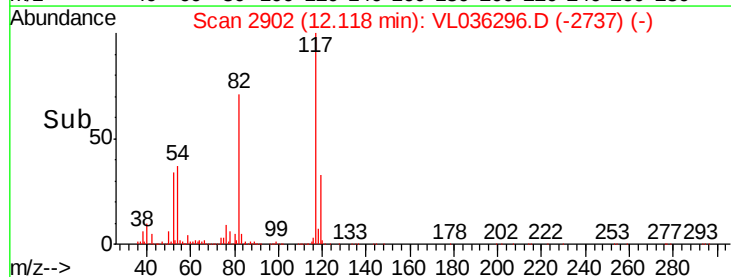
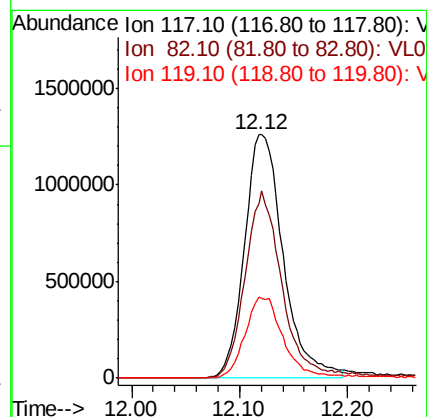
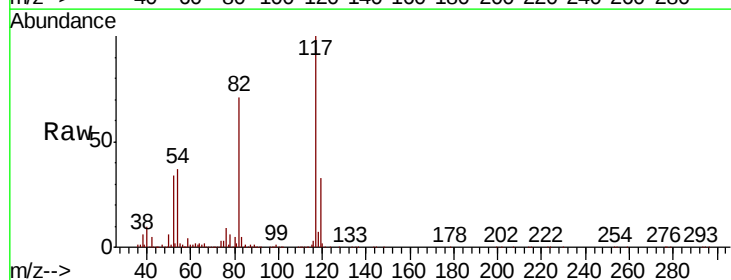
Tgt Ion: 117 Resp: 3153542

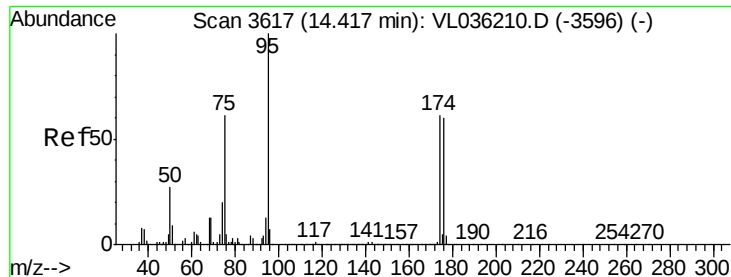
Ion Ratio Lower Upper

117 100

82 76.0 59.7 89.5

119 33.5 28.6 43.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.080 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. 0.04 min

Lab File: VL036296.D

Acq: 3 Feb 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

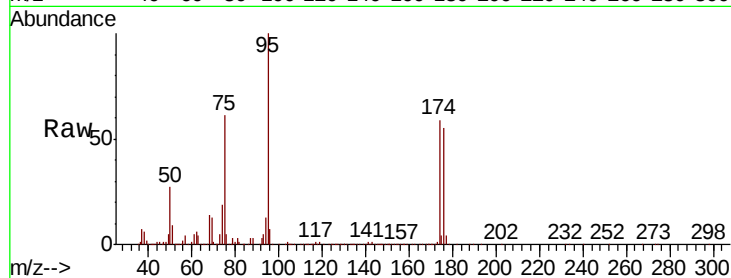
Tot Ion: 95 Resp: 2631038

Ion Ratio Lower Upper

95 100

174 61.6 49.4 74.0

175 4.5 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

