

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091621\
 Data File : VL037633.D
 Acq On : 17 Sep 2021 2:36
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 17 05:30:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1521108	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4399429	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3633759	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2408258	9.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.70%

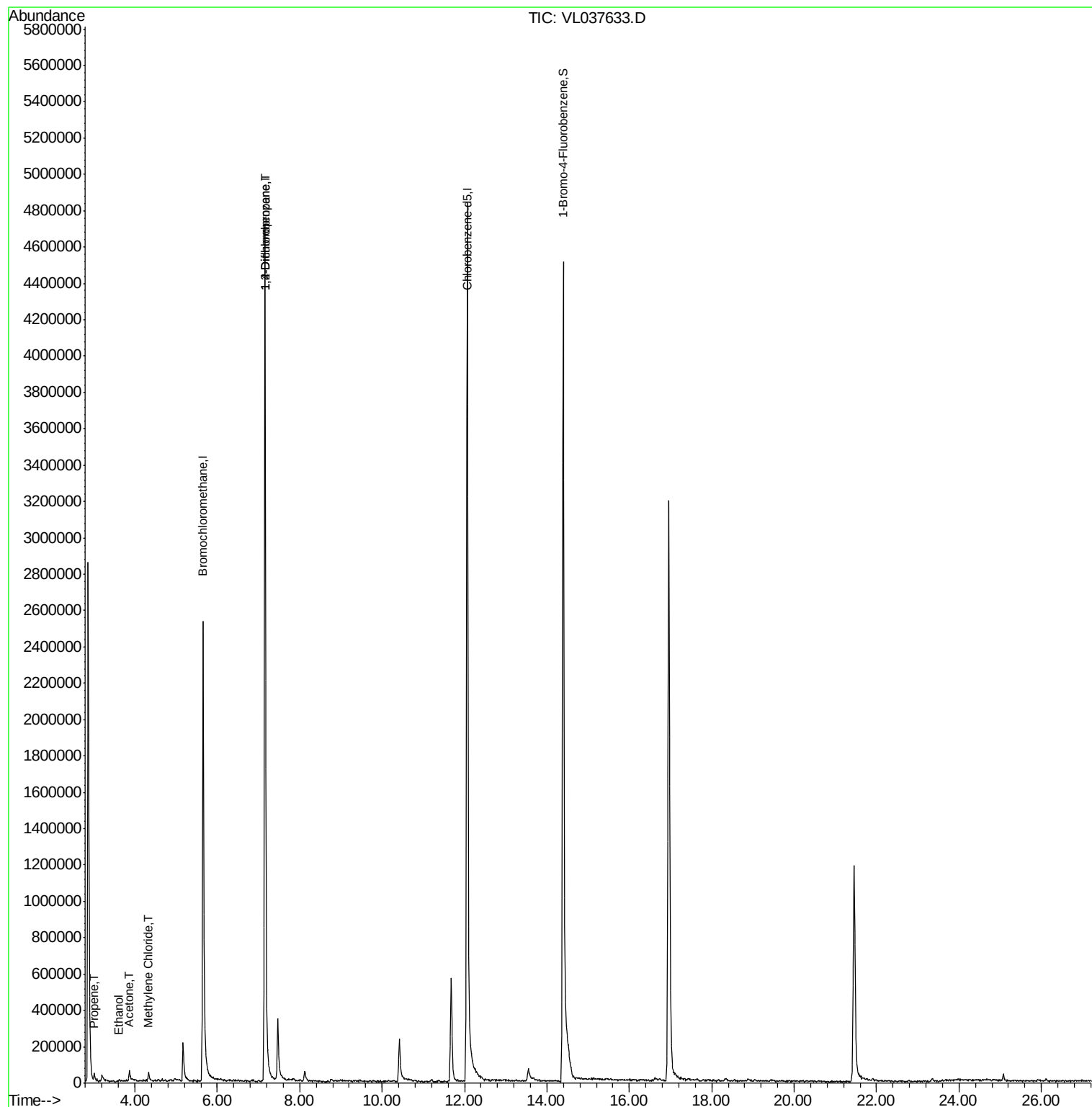
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	9367	0.093	ppbv	88
13) Ethanol	3.60	45	817	0.083	ppbv #	33
15) Acetone	3.85	43	14975	0.095	ppbv #	44
20) Methylene Chloride	4.33	84	12052	0.160	ppbv #	80
39) 1,2-Dichloropropane	7.16	63	1003376	7.141	ppbv #	27

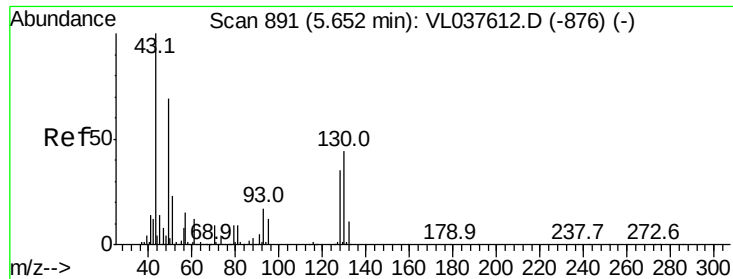
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091621\
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037633.D

Acq: 17 Sep 2021 2:36

Instrument :

MSVOA_L

ClientSampleId :

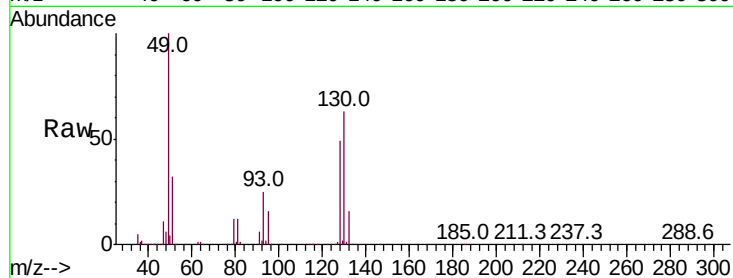
Tot Ion: 49 Resp: 1521108

Ion Ratio Lower Upper

49 100

128 53.1 27.9 83.6

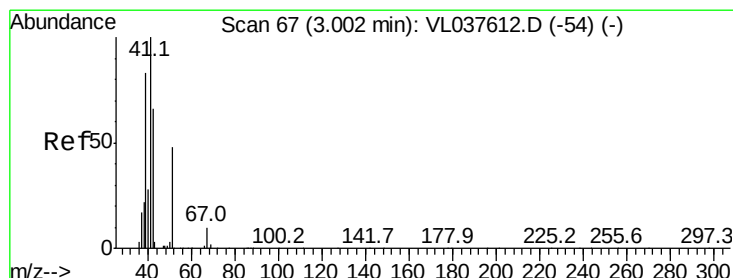
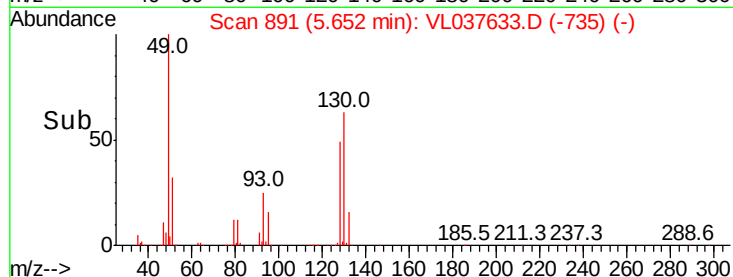
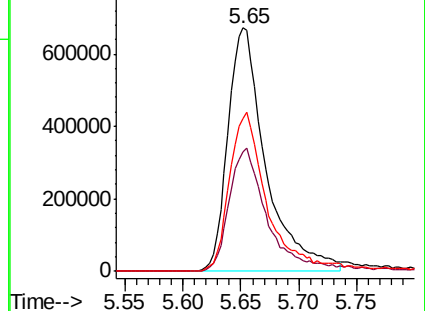
130 67.9 33.9 101.7



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: 0.093 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL037633.D

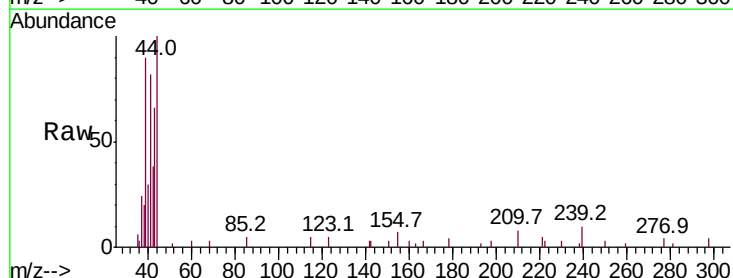
Acq: 17 Sep 2021 2:36

Tgt Ion: 41 Resp: 9367

Ion Ratio Lower Upper

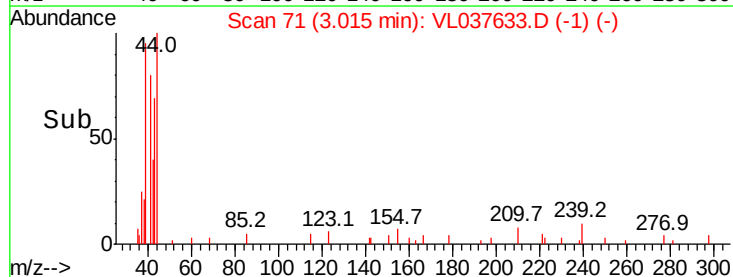
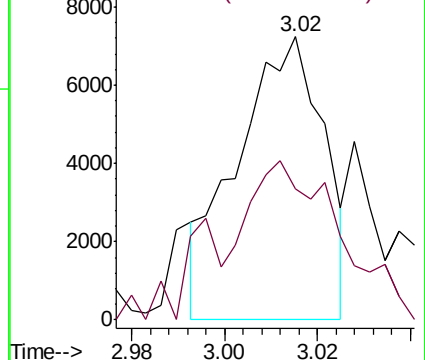
41 100

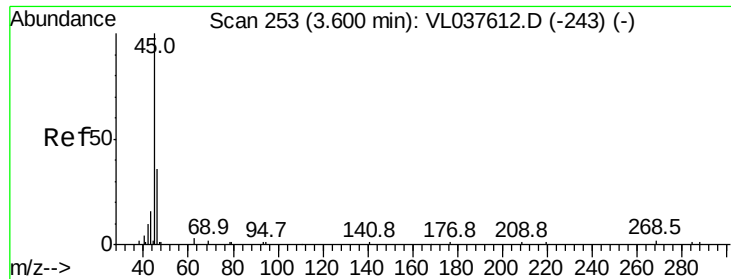
42 81.1 57.2 85.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

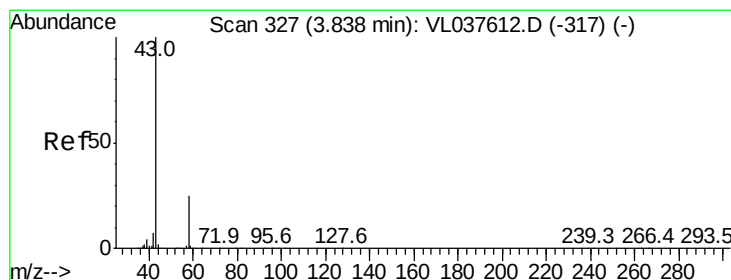
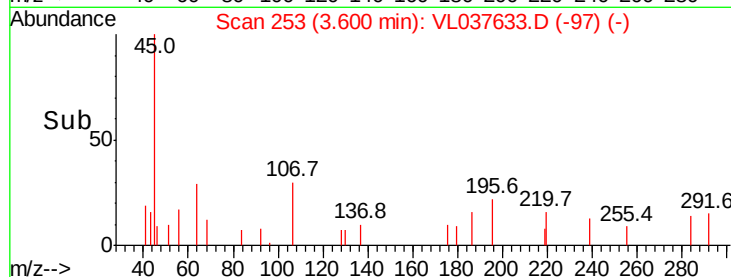
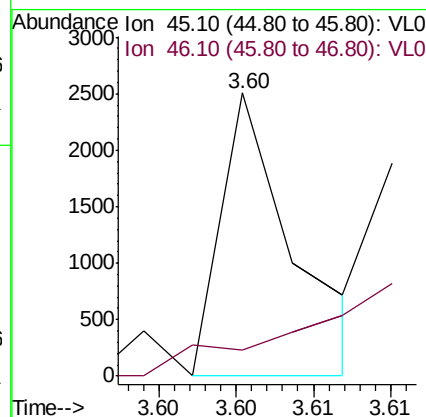
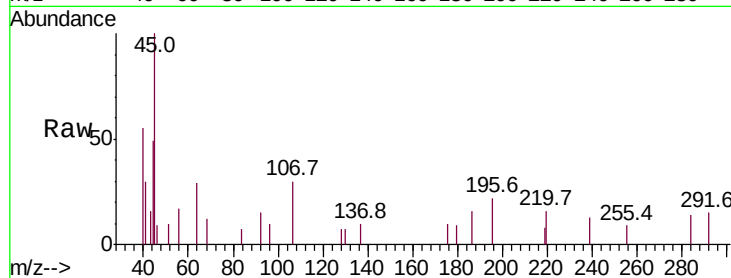




#13
Ethanol
Concen: 0.083 ppbv
RT: 3.60 min Scan# 253
Delta R.T. 0.00 min
Lab File: VL037633.D
Acq: 17 Sep 2021 2:36

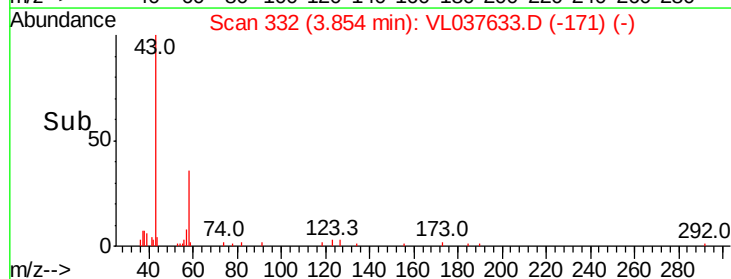
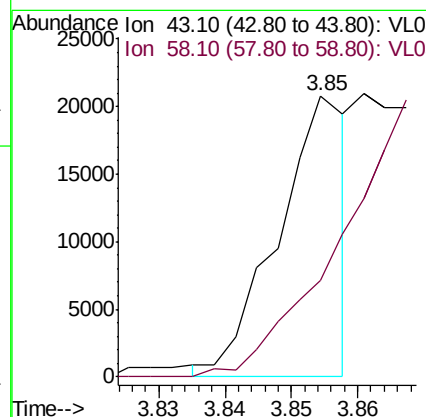
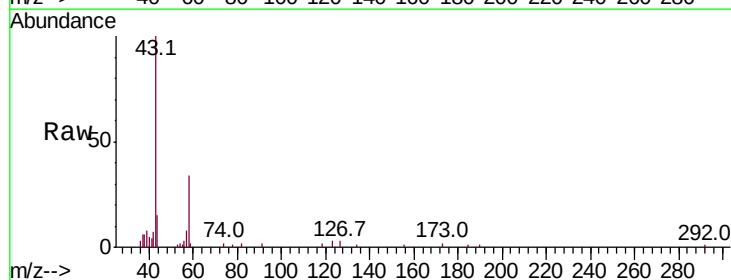
Instrument :
MSVOA_L
ClientSampled :

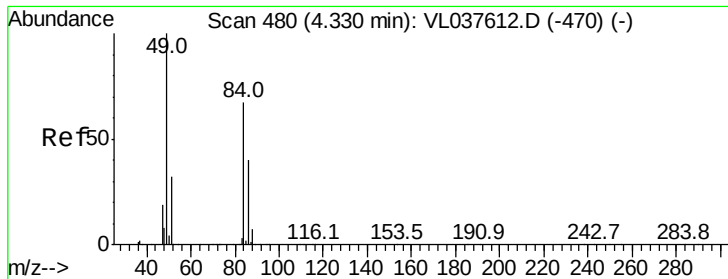
Tot Ion: 45 Resp: 817
Ion Ratio Lower Upper
45 100
46 0.0 17.2 68.8#



#15
Acetone
Concen: 0.095 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL037633.D
Acq: 17 Sep 2021 2:36

Tgt Ion: 43 Resp: 14975
Ion Ratio Lower Upper
43 100
58 0.0 24.9 37.3#

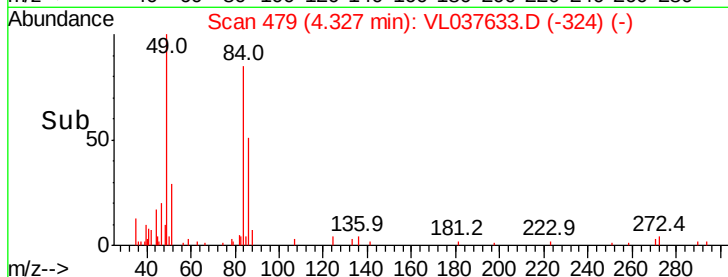
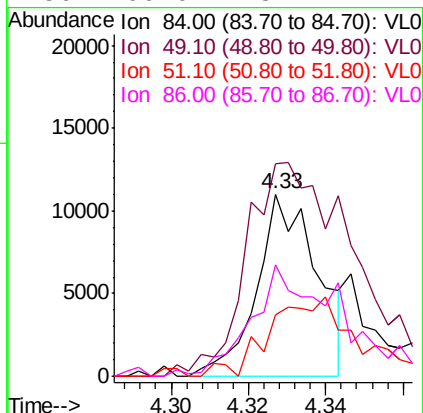
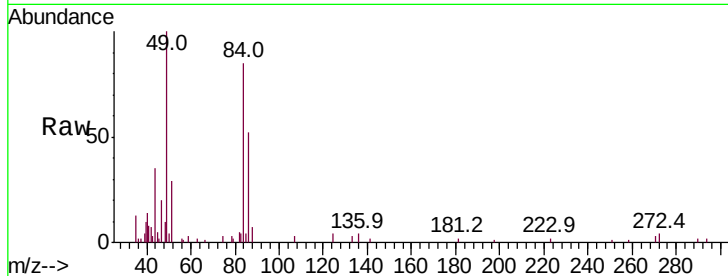




#20
Methylene Chloride
Concen: 0.160 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL037633.D
Acq: 17 Sep 2021 2:36

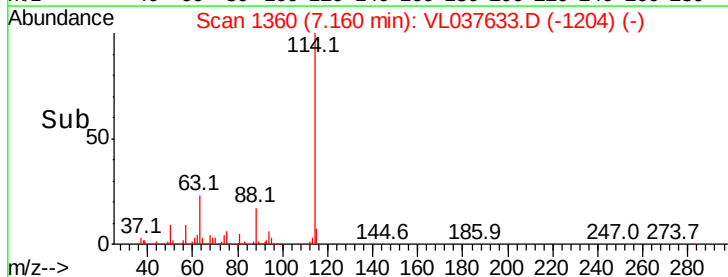
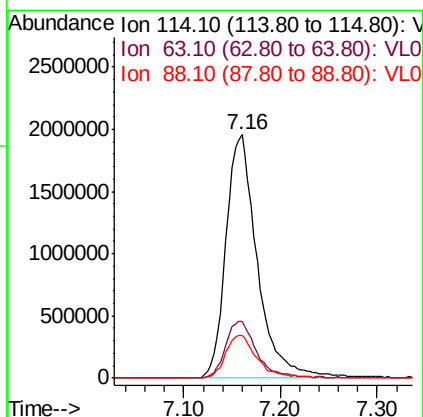
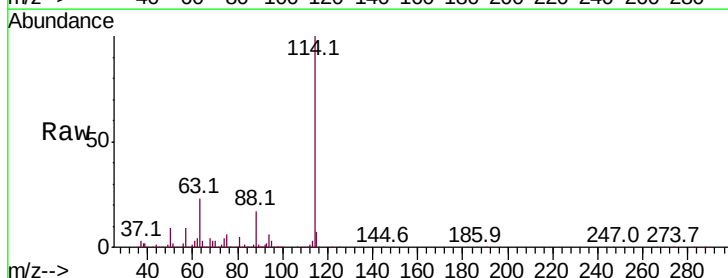
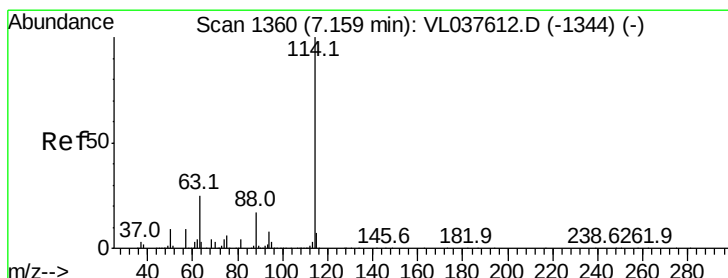
Instrument :
MSVOA_L
ClientSampleId :

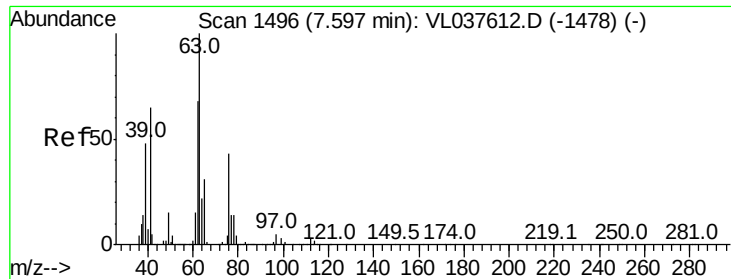
Tot Ion:	84	Resp:	12052
Ion	Ratio	Lower	Upper
84	100		
49	114.2	120.0	180.0#
51	33.9	38.0	57.0#
86	60.0	48.2	72.2



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL037633.D
Acq: 17 Sep 2021 2:36

Tgt Ion:	114	Resp:	4399429
Ion	Ratio	Lower	Upper
114	100		
63	23.5	19.6	29.4
88	17.9	14.2	21.4





#39

1,2-Dichloropropane

Concen: 7.141 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.44 min

Lab File: VL037633.D

Acq: 17 Sep 2021 2:36

Instrument :

MSVOA_L

ClientSampleId :

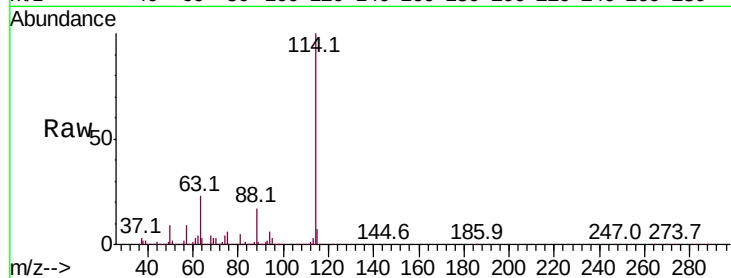
Tot Ion: 63 Resp: 1003376

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

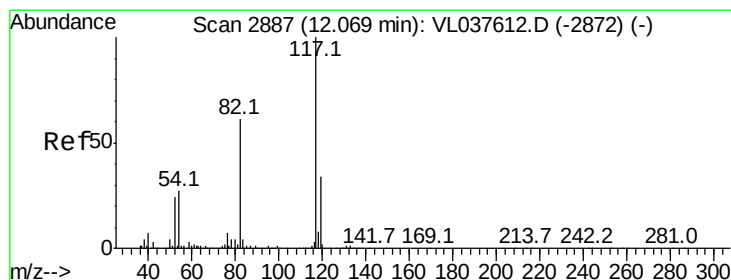
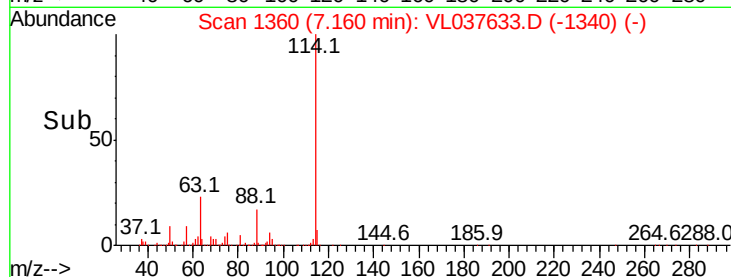
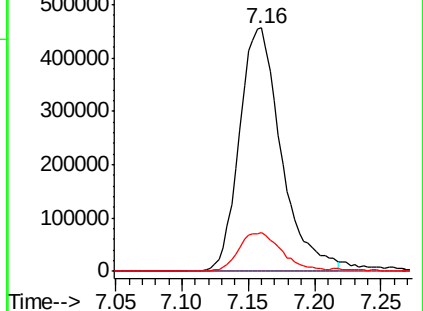
62 16.0 54.6 81.8#



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VL037633.D

Acq: 17 Sep 2021 2:36

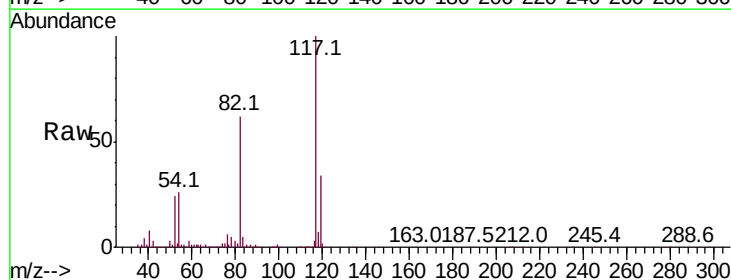
Tgt Ion: 117 Resp: 3633759

Ion Ratio Lower Upper

117 100

82 66.6 50.6 75.8

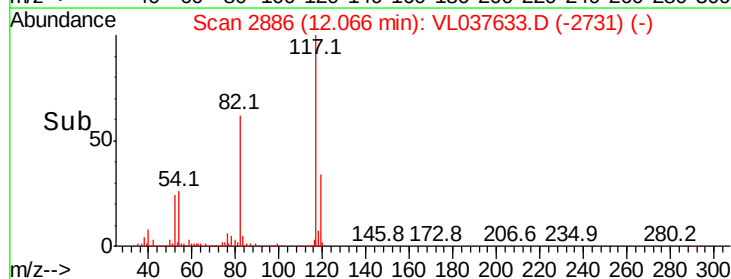
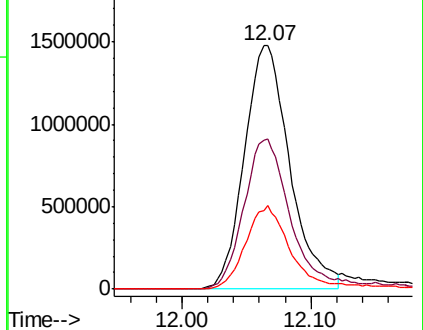
119 35.5 26.2 39.2

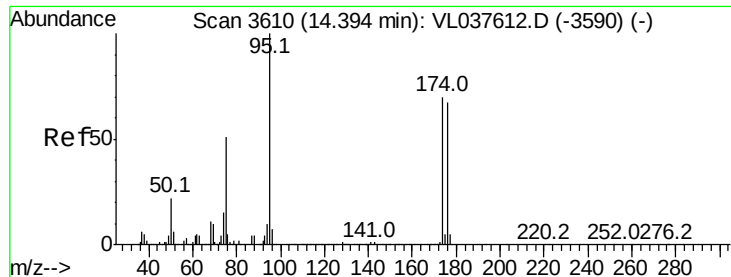


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.170 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL037633.D

Acq: 17 Sep 2021 2:36

Instrument :

MSVOA_L

ClientSampleId :

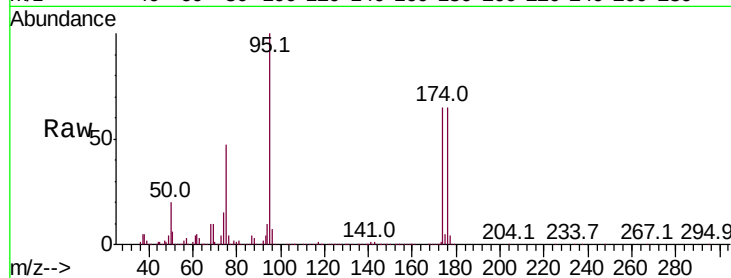
Tot Ion: 95 Resp: 2408258

Ion Ratio Lower Upper

95 100

174 84.4 56.3 84.5

175 6.3 4.4 6.6



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

