

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110921\
 Data File : VL037996.D
 Acq On : 10 Nov 2021 2:01
 Operator : SY/AP
 Sample : M4555-07DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 10 04:50:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1267438	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3921681	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3316402	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2237360	9.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.80%

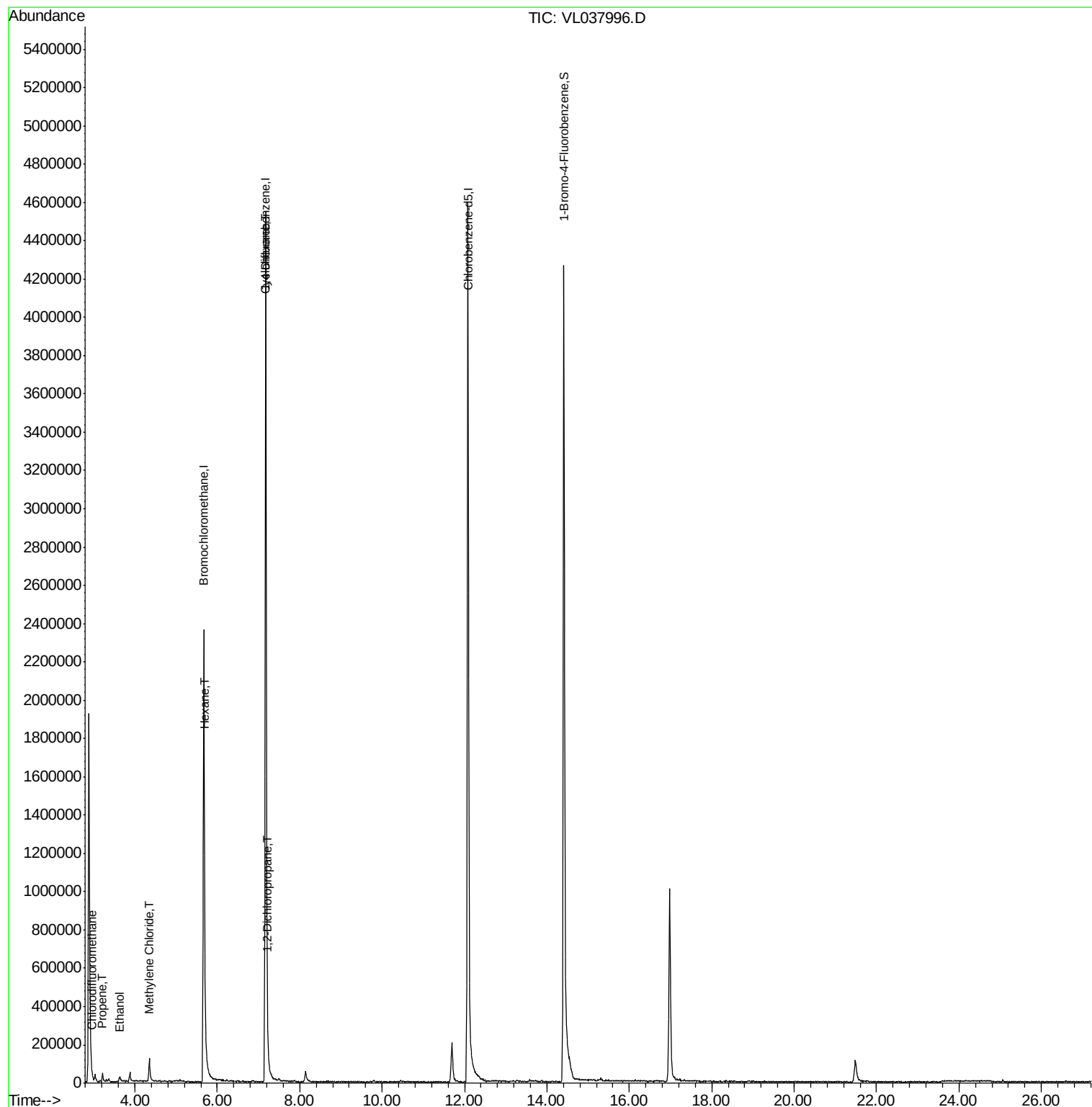
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	20425	0.087	ppbv #	64
9) Propene	3.21	41	13230	0.156	ppbv	94
13) Ethanol	3.63	45	15904	1.864	ppbv #	36
20) Methylene Chloride	4.35	84	43319	0.753	ppbv #	84
26) Hexane	5.69	57	14627	0.099	ppbv #	33
30) Cyclohexane	7.16	84	6257	0.050	ppbv #	1
39) 1,2-Dichloropropane	7.22	63	11735	0.098	ppbv #	26

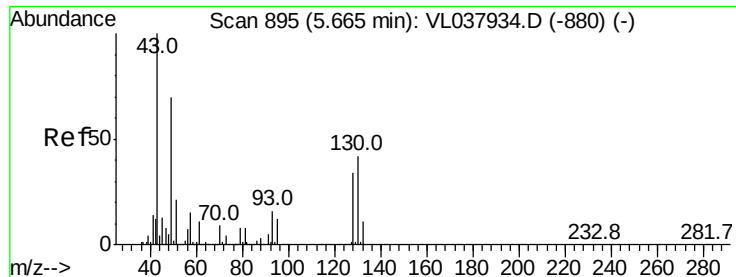
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA.L

Lab File:

Acq: 10 Nov 2021 2:01 ClientSampleId:

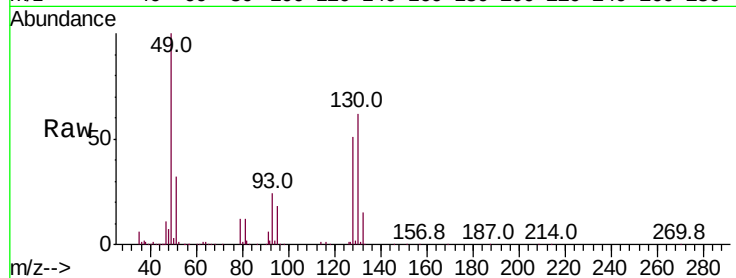
Tot Ion: 49 Resp: 1267438

Ion Ratio Lower Upper

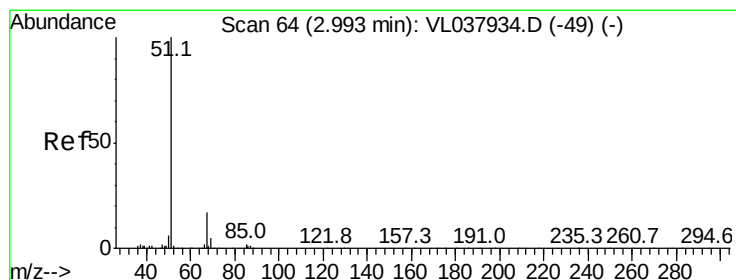
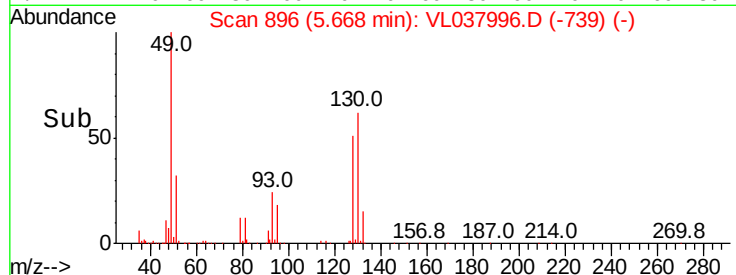
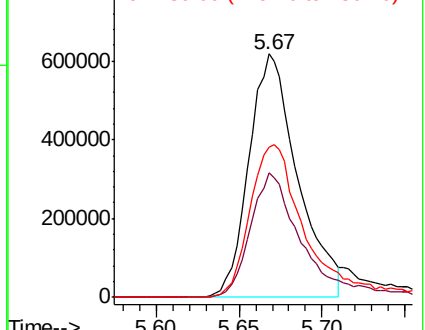
49 100

128 57.7 27.0 81.0

130 74.8 33.4 100.2



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



#3

Chlorodifluoromethane

Concen: 0.087 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.02 min

Lab File: VL037996.D

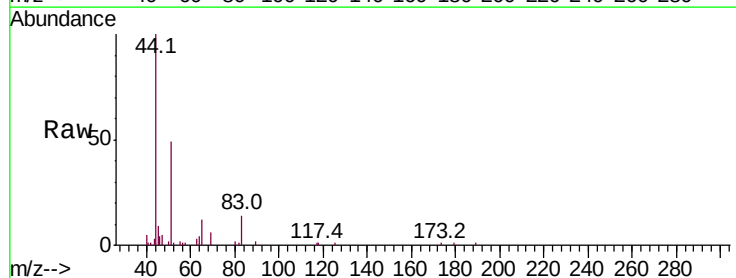
Acq: 10 Nov 2021 2:01

Tgt Ion: 51 Resp: 20425

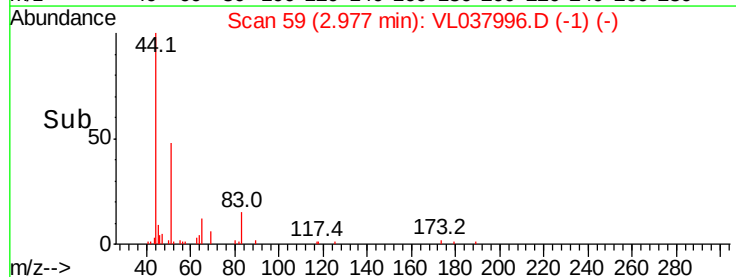
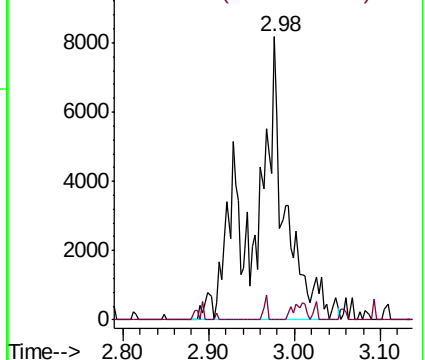
Ion Ratio Lower Upper

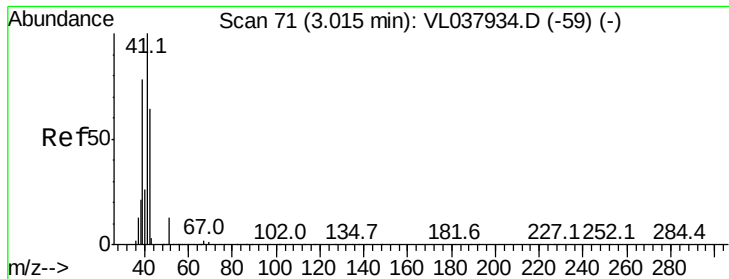
51 100

67 1.0 13.4 20.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.156 ppbv

RT: 3.21 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

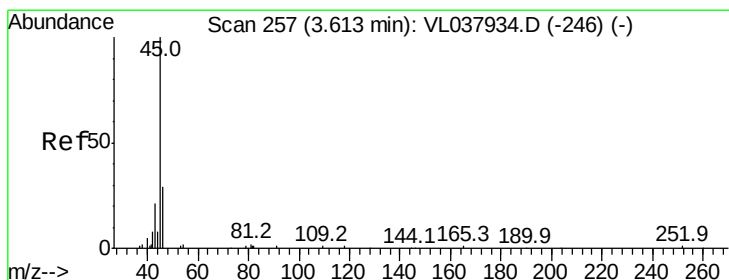
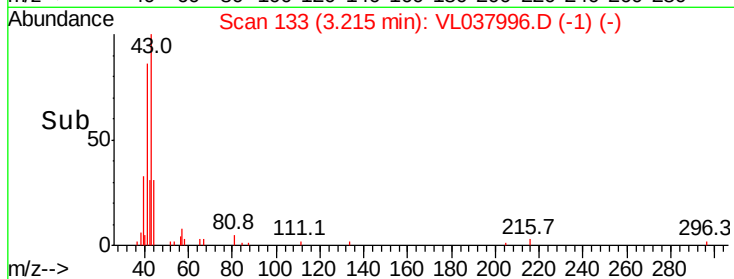
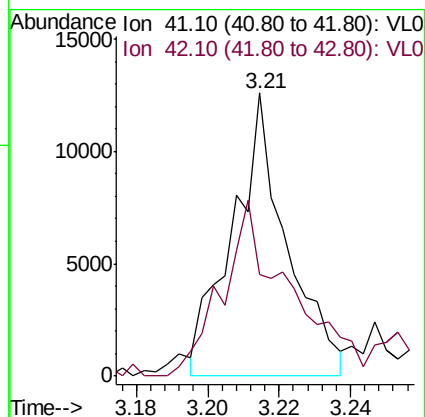
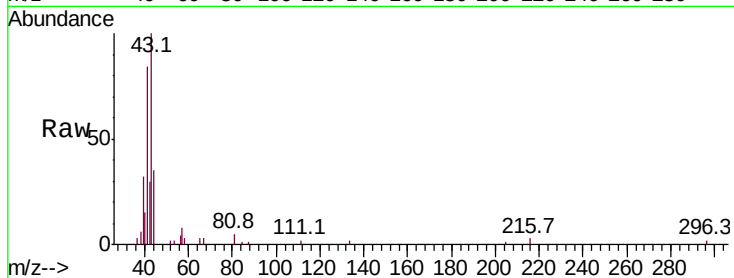
Acq: 10 Nov 2021 2:01

Tot Ion: 41 Resp: 13230

Ion Ratio Lower Upper

41 100

42 76.7 57.6 86.4



#13

Ethanol

Concen: 1.864 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.01 min

Lab File: VL037996.D

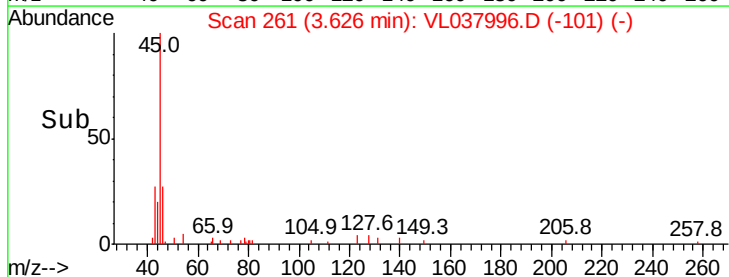
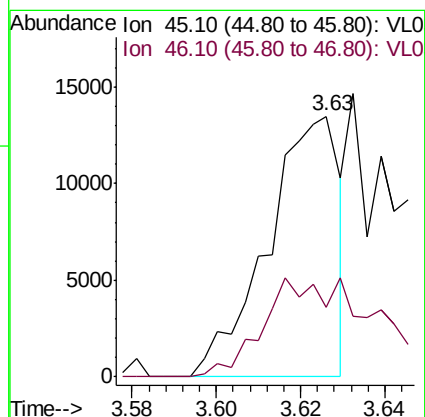
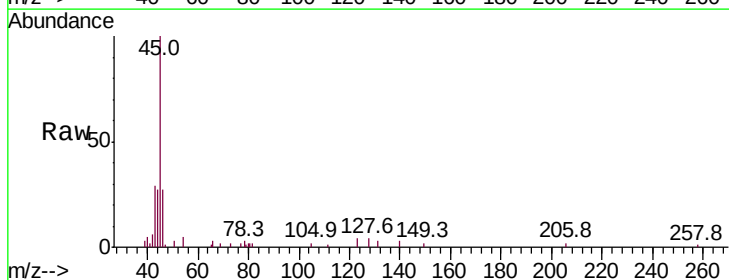
Acq: 10 Nov 2021 2:01

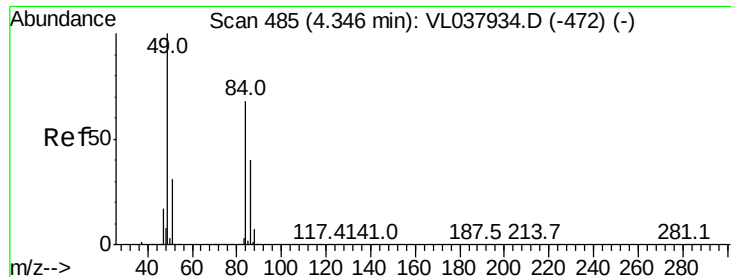
Tgt Ion: 45 Resp: 15904

Ion Ratio Lower Upper

45 100

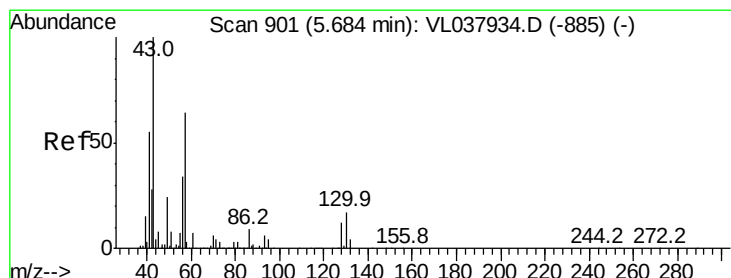
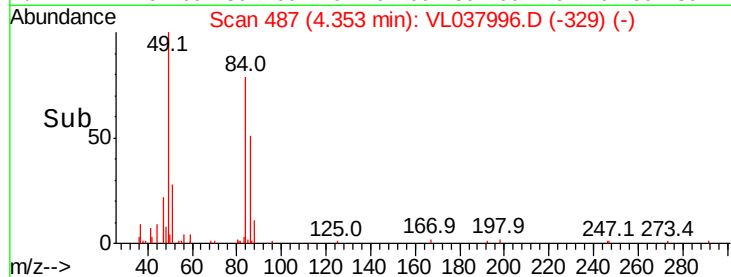
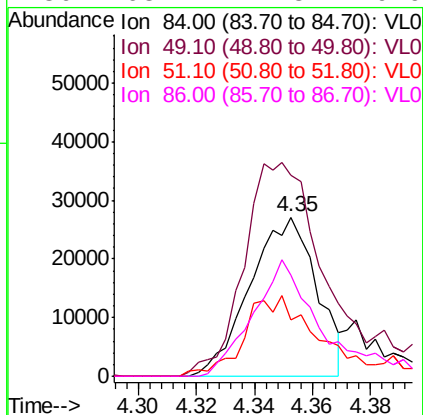
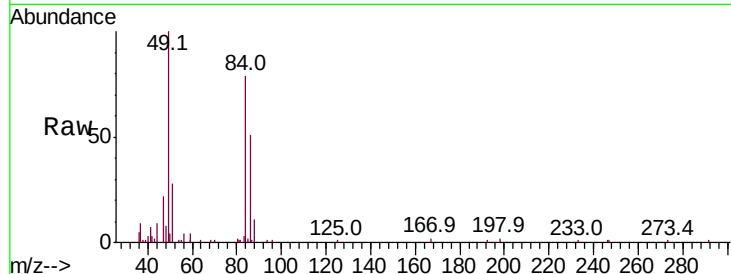
46 84.6 17.4 69.8#





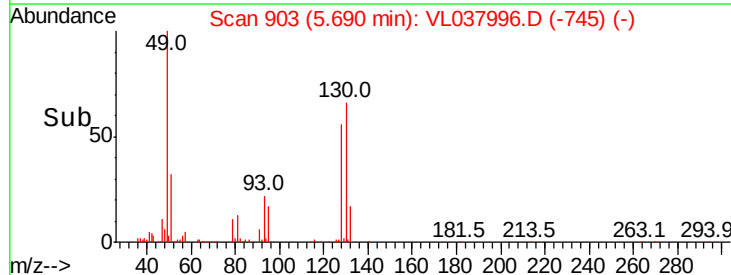
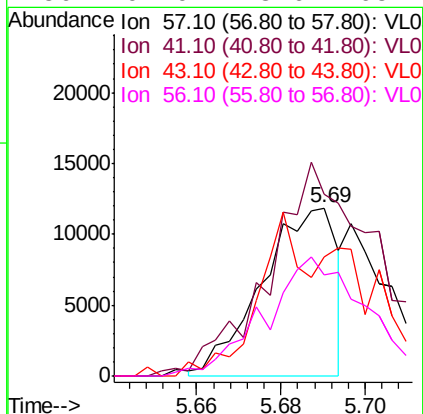
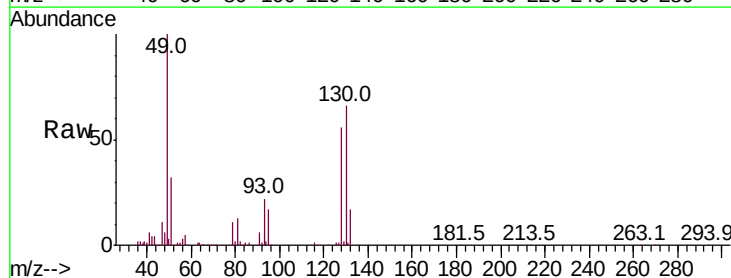
#20
Methvlene Chloride
Concen: 0.753 ppbv
RT: 4.35 Instrument :
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 10 Nov 2021 2:01

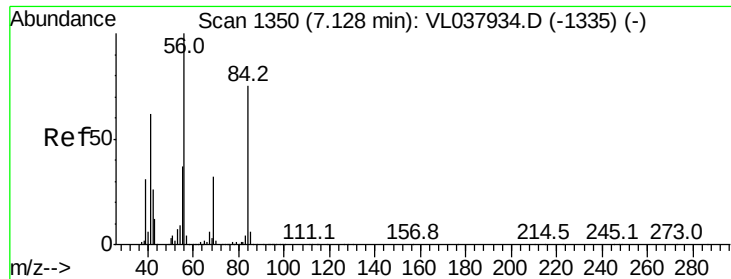
Tot Ion	84	Resp	43319
Ion Ratio	Lower	Upper	
84	100		
49	123.2	117.5	176.3
51	32.1	35.9	53.9#
86	63.7	47.3	70.9



#26
Hexane
Concen: 0.099 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL037996.D
Acq: 10 Nov 2021 2:01

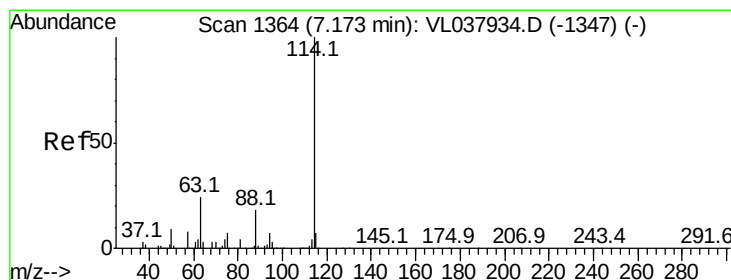
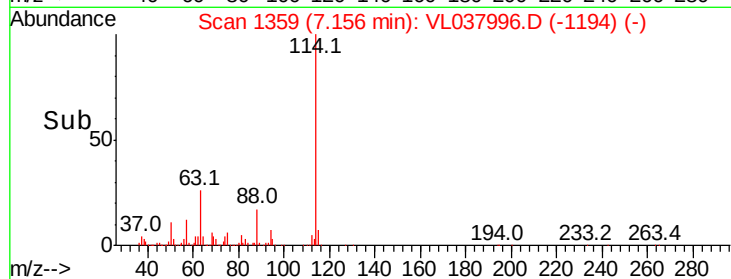
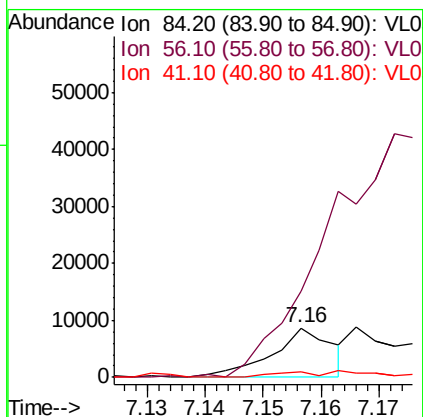
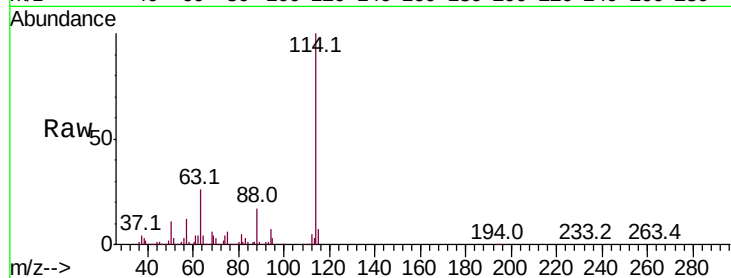
Tgt Ion	57	Resp	14627
Ion Ratio	Lower	Upper	
57	100		
41	194.3	71.0	106.6#
43	139.3	173.0	259.6#
56	102.0	43.6	65.4#





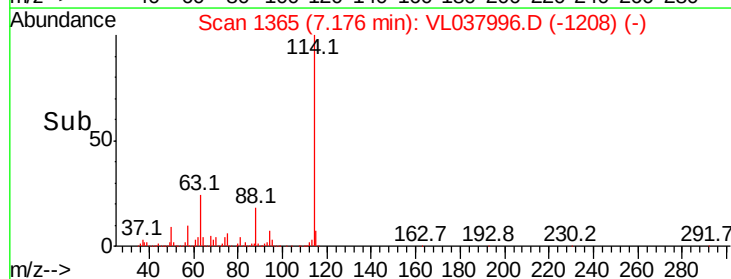
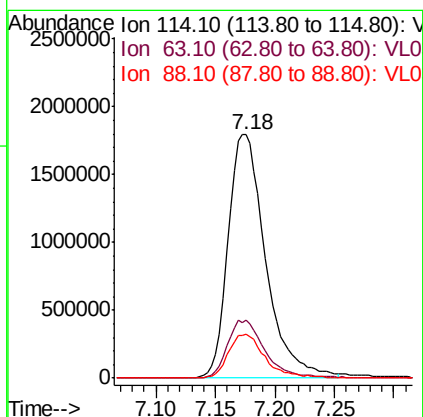
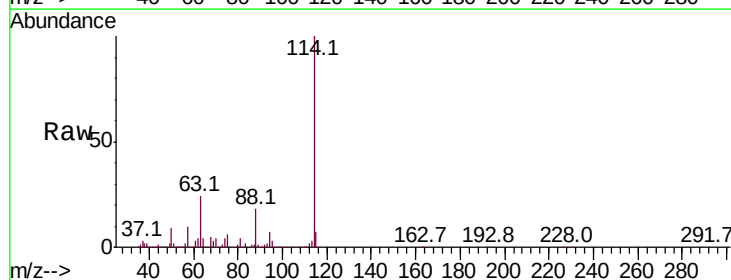
#30
Cvclohexane
Concen: 0.050 ppbv
RT: 7.16 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 10 Nov 2021 2:01

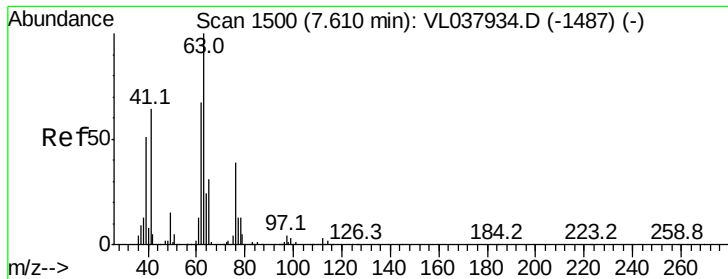
Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	114.0	171.0#
41	0.0	68.3	102.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T.: 0.00 min
Lab File: VL037996.D
Acq: 10 Nov 2021 2:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.4	29.0
88	17.9	14.2	21.4





#39

1,2-Dichloropropane

Concen: 0.098 ppbv

RT: 7.22 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 2:01

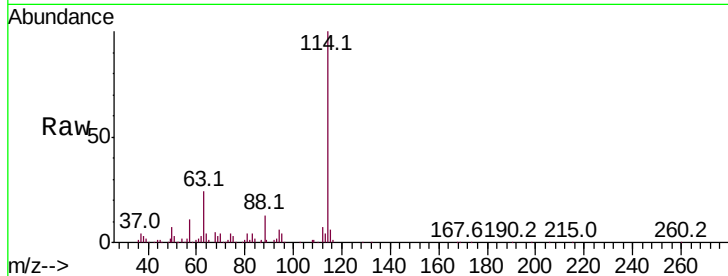
Tot Ion: 63 Resp: 11735

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

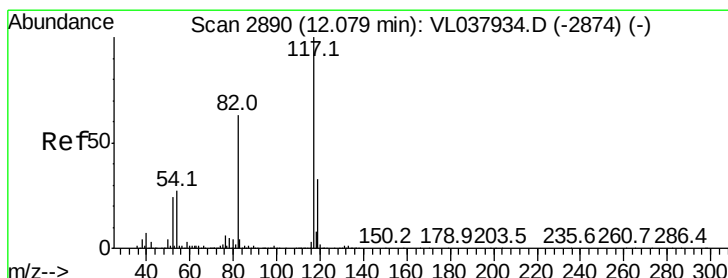
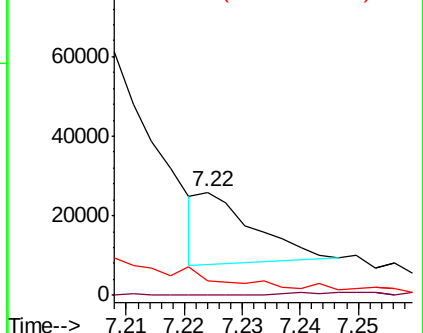
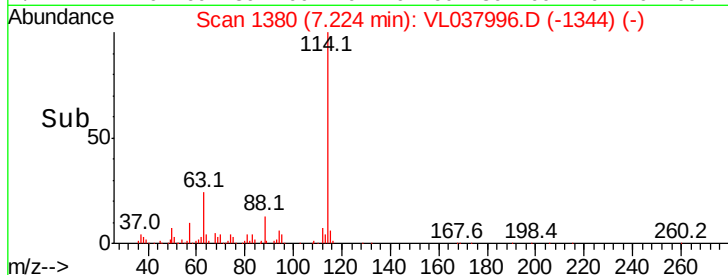
62 14.2 53.5 80.3#



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: 12.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: VL037996.D

Acq: 10 Nov 2021 2:01

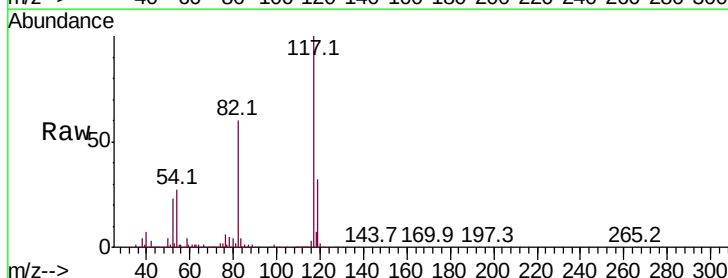
Tgt Ion: 117 Resp: 3316402

Ion Ratio Lower Upper

117 100

82 66.0 51.0 76.6

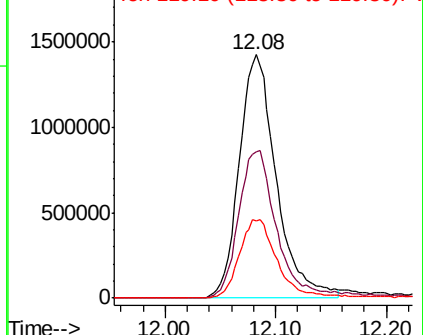
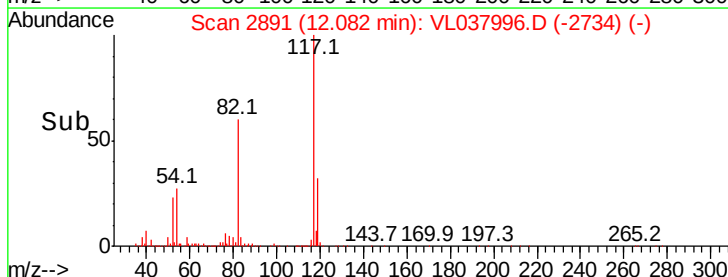
119 33.8 26.9 40.3

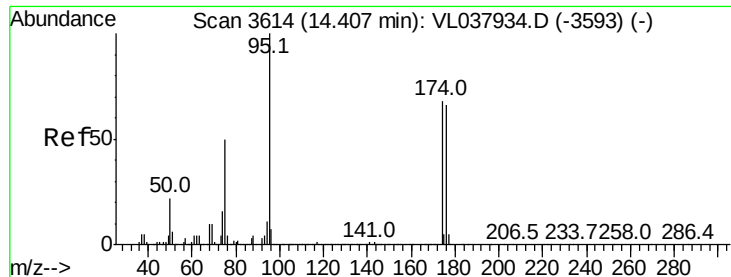


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.281 ppbv

RT: 14.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 Nov 2021 2:01

Tot Ion: 95 Resp: 2237360

Ion Ratio Lower Upper

95 100

174 76.3 58.3 87.5

175 5.9 4.6 6.8

