

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101221\
 Data File : VL037829.D
 Acq On : 12 Oct 2021 13:44
 Operator : SY/AP
 Sample : VL1012ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABL01

Quant Time: Oct 14 01:03:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1335829	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3861711	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	3291689	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2389687	10.38	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

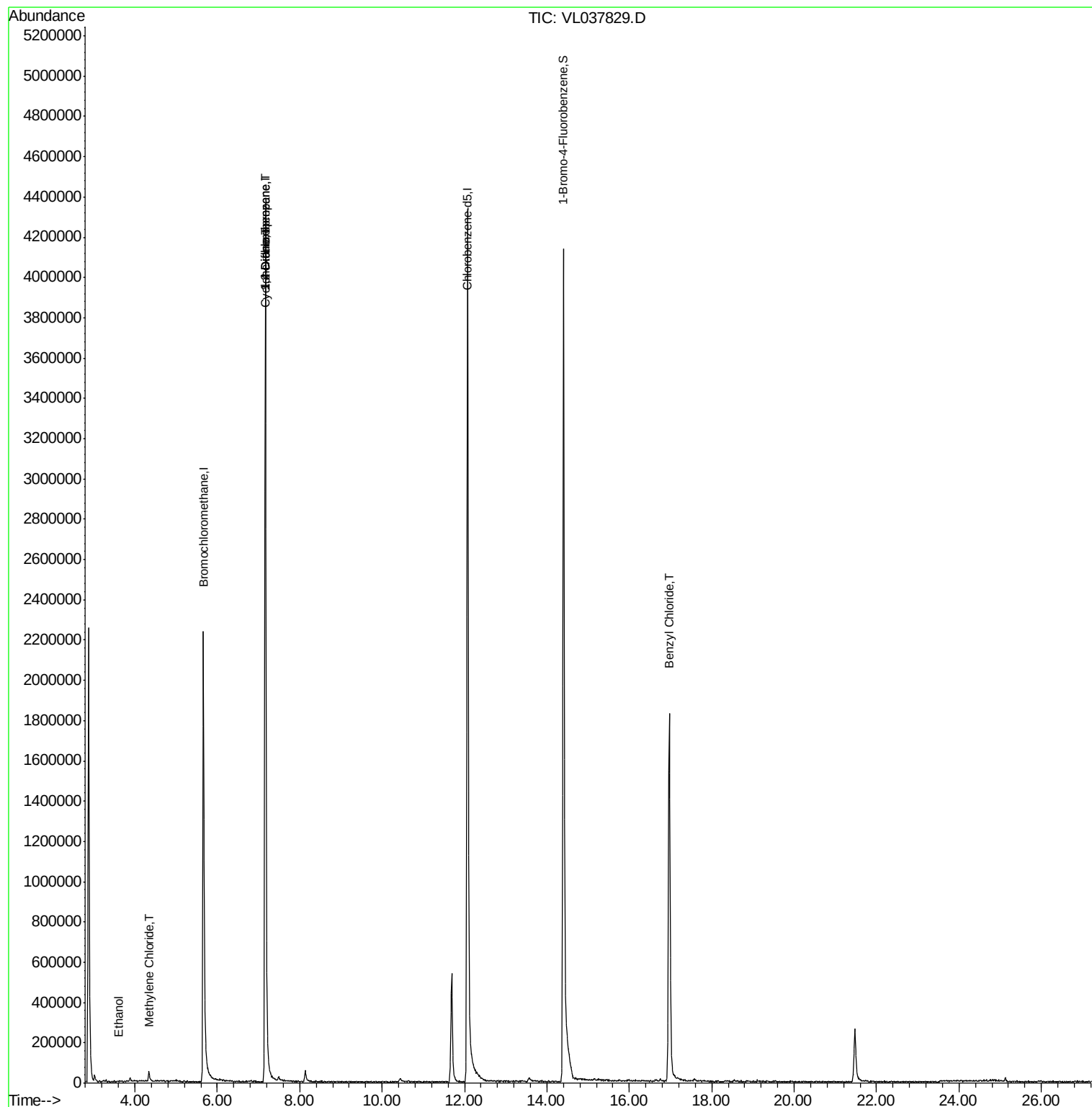
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.61	45	244	0.032	ppbv #	27
20) Methylene Chloride	4.34	84	17874	0.295	ppbv #	86
30) Cyclohexane	7.15	84	6131	0.044	ppbv #	1
39) 1,2-Dichloropropane	7.16	63	889296	7.168	ppbv #	28
66) Benzyl Chloride	16.97	91	723	0.033	ppbv #	1

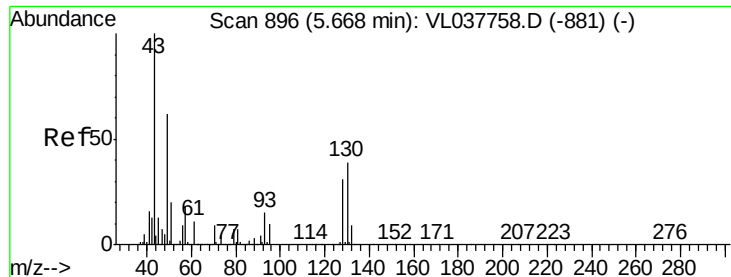
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T.:

Lab File: ClientSampleId: VL1012ABL01

Acq: 12 Oct 2021 13:44

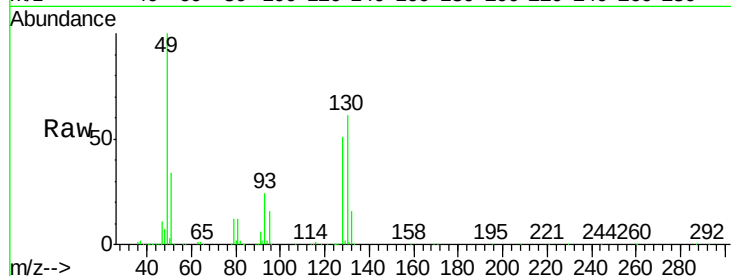
Tgt Ion: 49 Resp: 1335829

Ion Ratio Lower Upper

49 100

128 52.9 27.1 81.3

130 67.7 33.2 99.6



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

5.66

600000

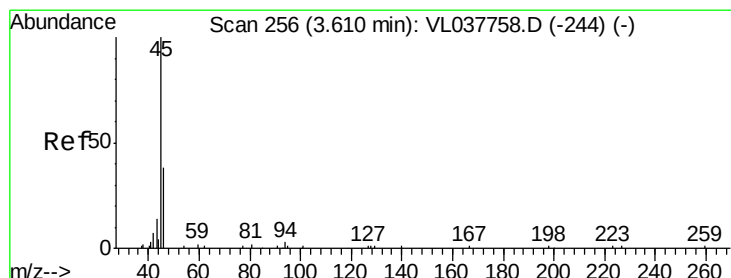
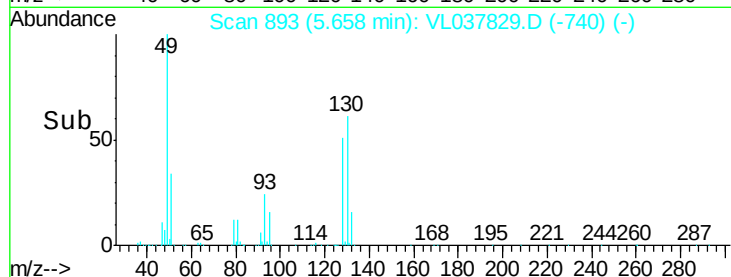
400000

200000

0

Time-->

5.60 5.65 5.70 5.75



#13

Ethanol

Concen: 0.032 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL037829.D

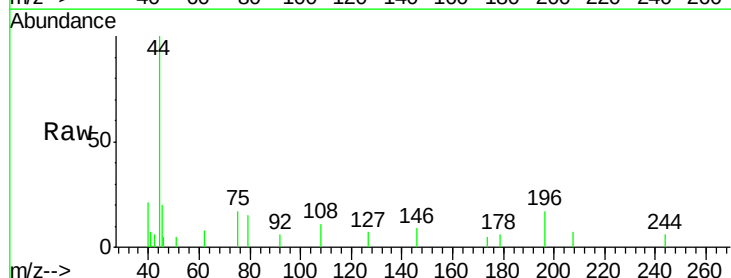
Acq: 12 Oct 2021 13:44

Tgt Ion: 45 Resp: 244

Ion Ratio Lower Upper

45 100

46 0.0 20.2 81.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.61

800

600

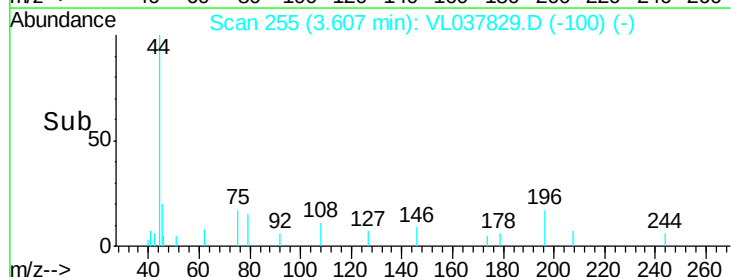
400

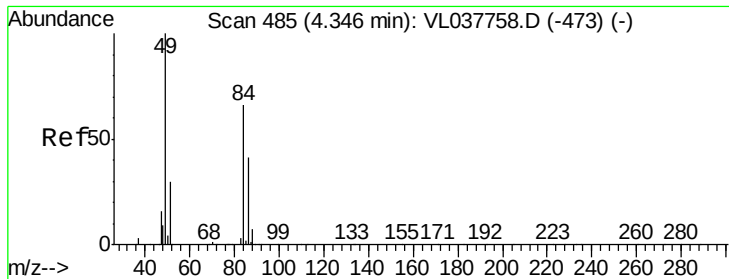
200

0

Time-->

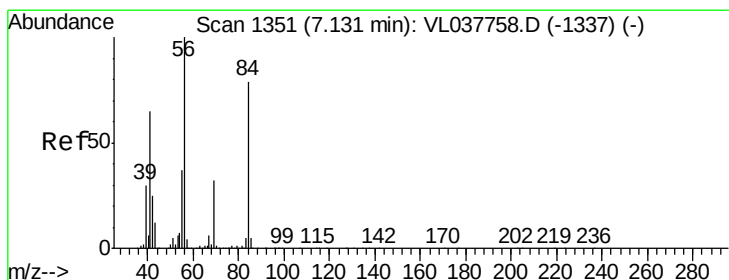
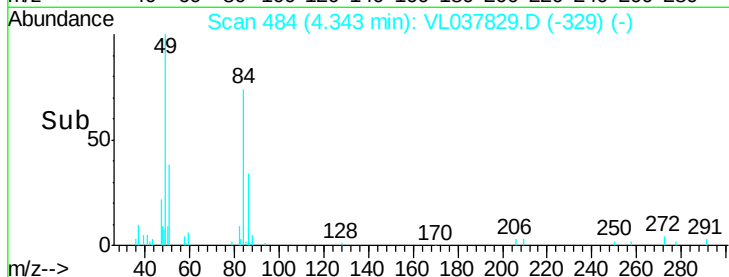
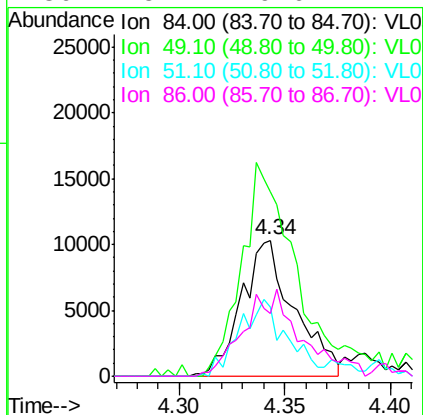
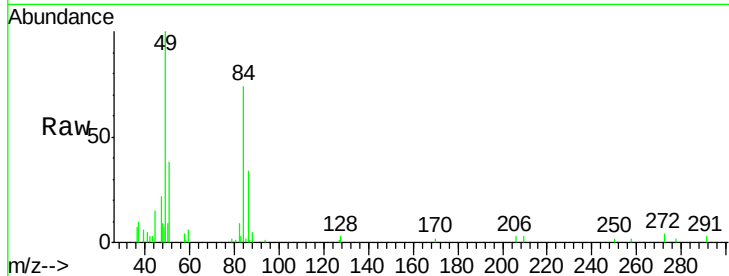
3.60 3.61 3.61 3.62





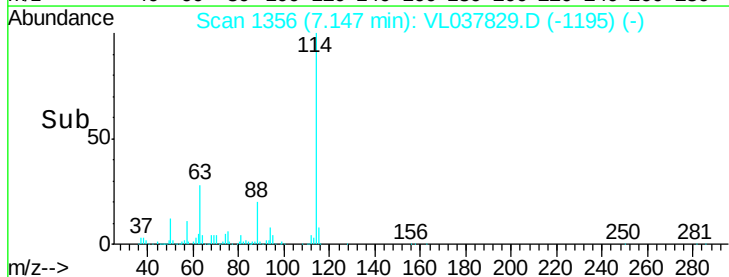
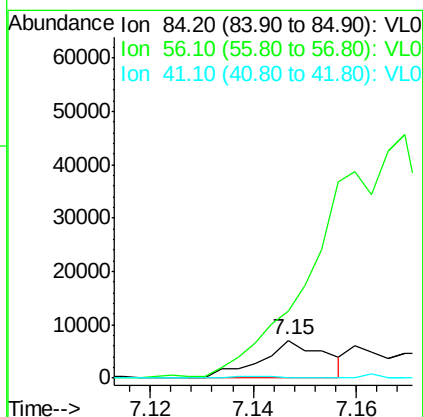
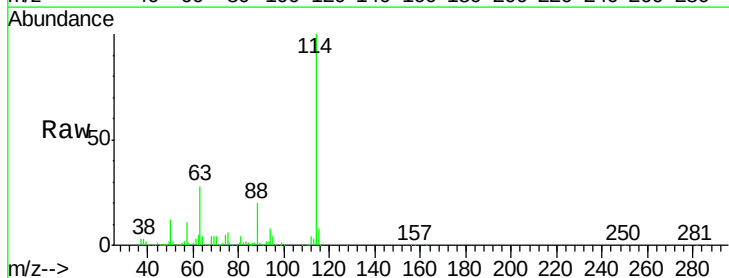
#20
Methylene Chloride
Concen: 0.295 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL1012ABL01
Acq: 12 Oct 2021 13:44

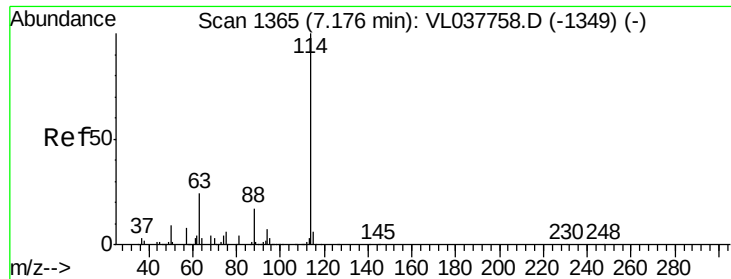
Tgt Ion: 84 Resp: 17874
Ion Ratio Lower Upper
84 100
49 135.1 120.7 181.1
51 51.3 36.2 54.4
86 45.7 49.6 74.4#



#30
Cyclohexane
Concen: 0.044 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.02 min
Lab File: VL037829.D
Acq: 12 Oct 2021 13:44

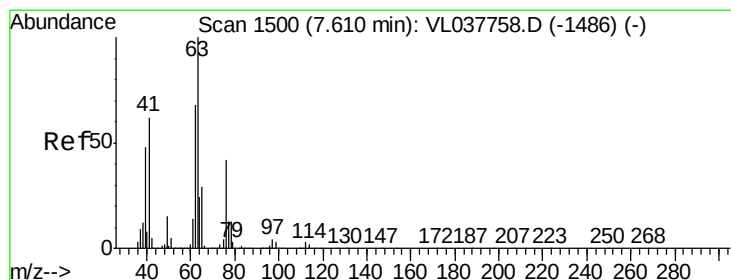
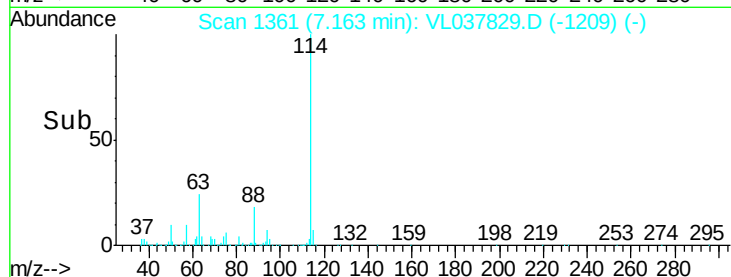
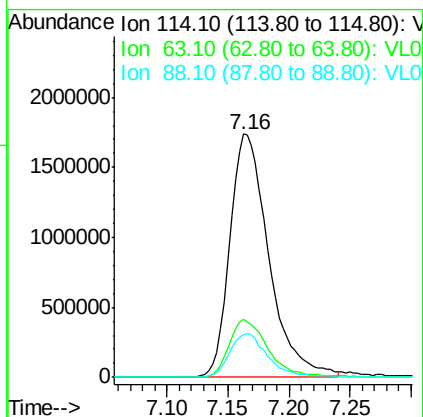
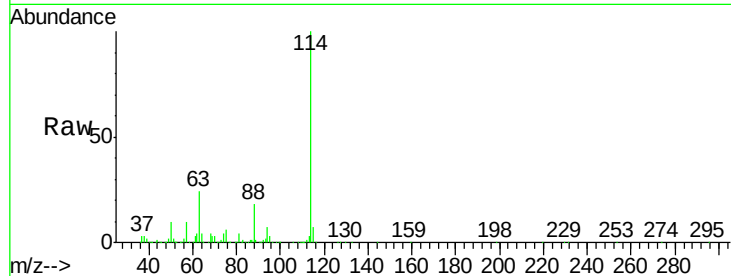
Tgt Ion: 84 Resp: 6131
Ion Ratio Lower Upper
84 100
56 0.0 113.0 169.4#
41 3.5 69.1 103.7#





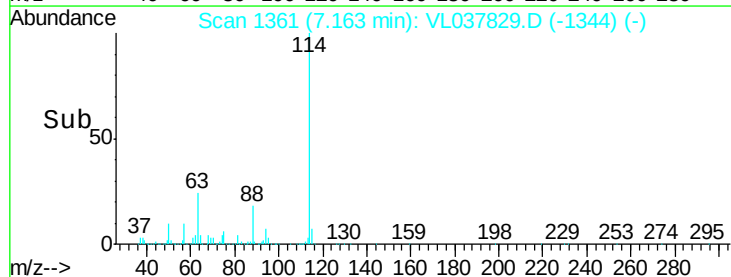
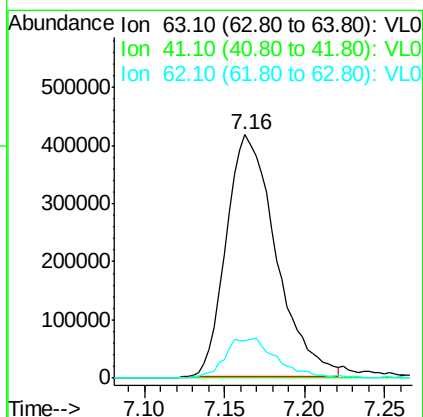
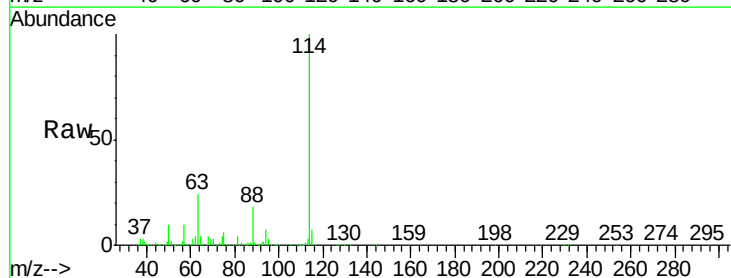
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample Id:
 Lab File: VL1012ABL01
 Acq: 12 Oct 2021 13:44

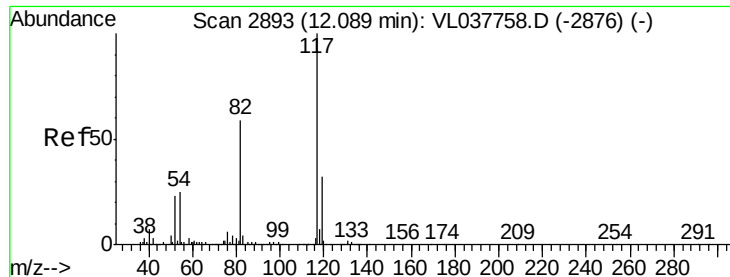
Tgt Ion: 114 Resp: 3861711
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.4 29.2
 88 18.1 14.4 21.6



#39
 1,2-Dichloropropane
 Concen: 7.168 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.45 min
 Lab File: VL037829.D
 Acq: 12 Oct 2021 13:44

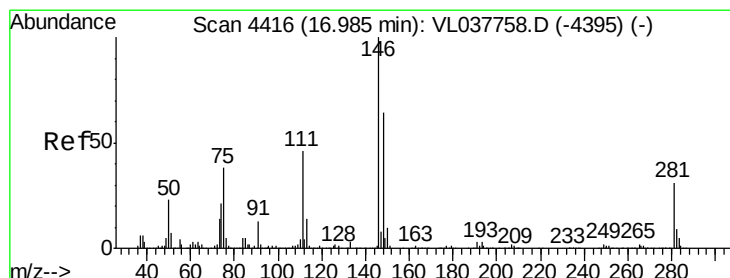
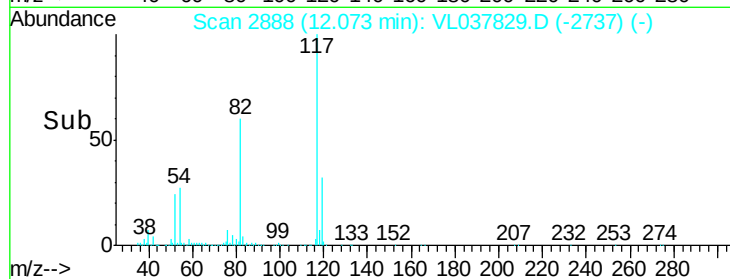
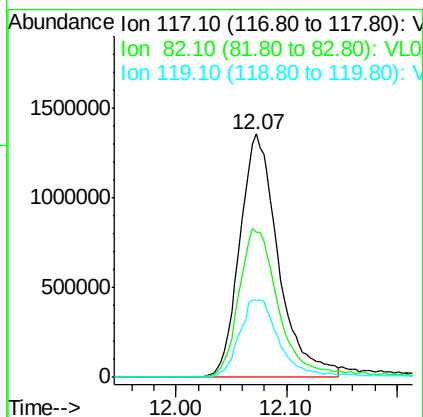
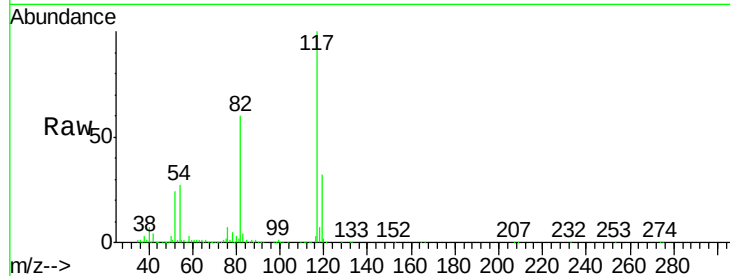
Tgt Ion: 63 Resp: 889296
 Ion Ratio Lower Upper
 63 100
 41 0.2 49.8 74.6#
 62 15.6 54.6 82.0#





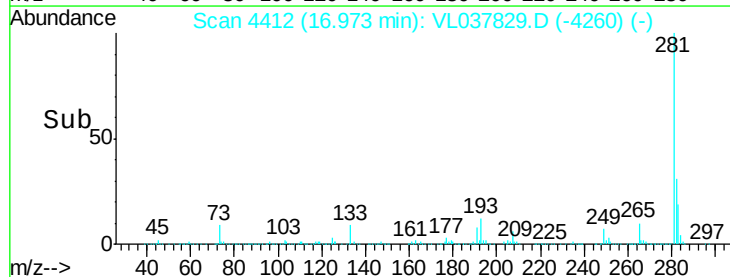
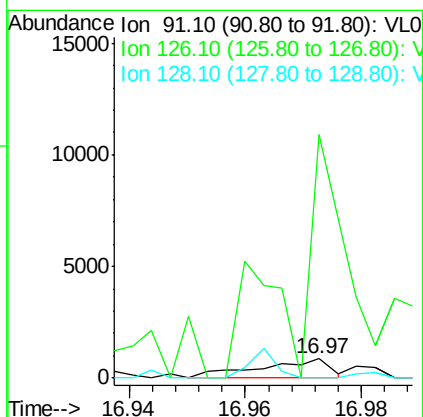
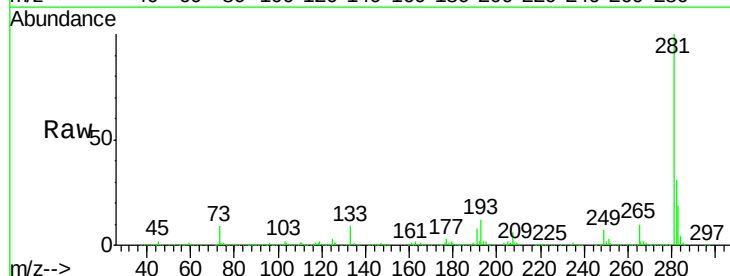
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1012ABL01
Acq: 12 Oct 2021 13:44

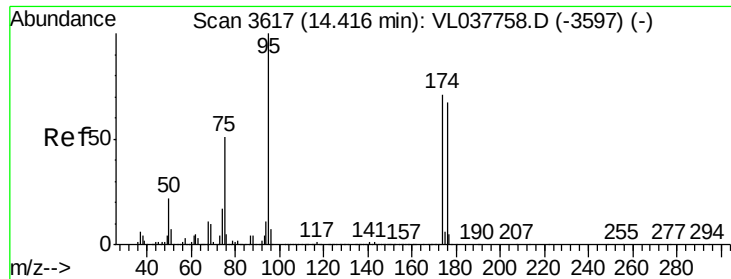
Tgt Ion: 117 Resp: 3291689
Ion Ratio Lower Upper
117 100
82 63.7 52.2 78.2
119 34.1 26.0 39.0



#66
Benzyl Chloride
Concen: 0.033 ppbv
RT: 16.97 min Scan# 4412
Delta R.T.: -0.01 min
Lab File: VL037829.D
Acq: 12 Oct 2021 13:44

Tgt Ion: 91 Resp: 723
Ion Ratio Lower Upper
91 100
126 1639.8 0.0 0.0#
128 56.6 5.3 7.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.381 ppbv

RT: 14.40

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Oct 2021 13.44

Tgt Ion: 95 Resp: 2389687

Ion Ratio Lower Upper

95 100

174 72.7 57.8 86.6

175 4.9 4.7 7.1

