

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102021\
 Data File : VL037879.D
 Acq On : 20 Oct 2021 9:32
 Operator : SY/AP
 Sample : VL1012ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABL01

Quant Time: Oct 21 01:30:44 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	1141605	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3423782	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2857672	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1892716	9.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.70%

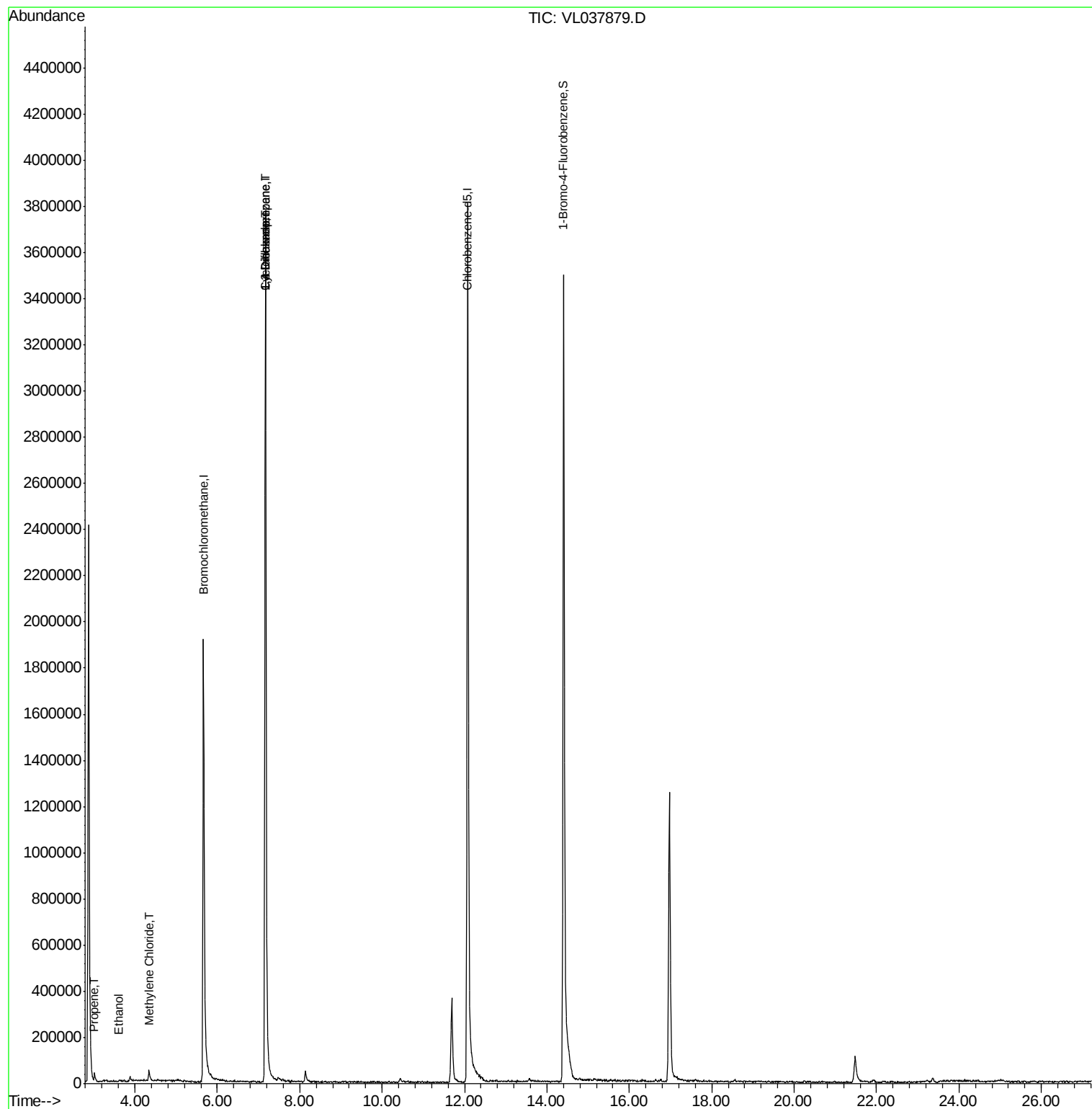
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.00	41	3034	0.038	ppbv #	16
13) Ethanol	3.61	45	420	0.064	ppbv #	27
20) Methylene Chloride	4.34	84	13279	0.256	ppbv #	76
30) Cyclohexane	7.16	84	9228	0.077	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	783473	7.123	ppbv #	27

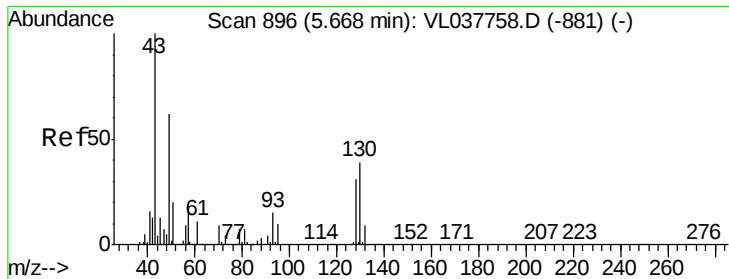
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1020ABL01

Acq: 20 Oct 2021 9:32

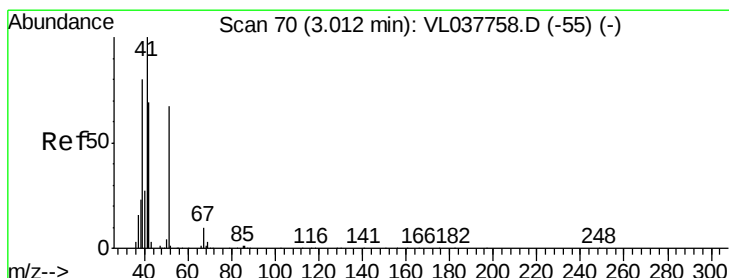
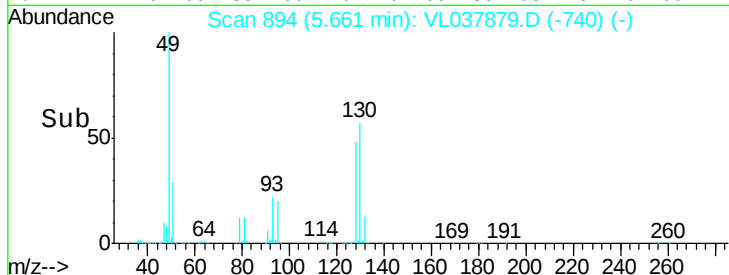
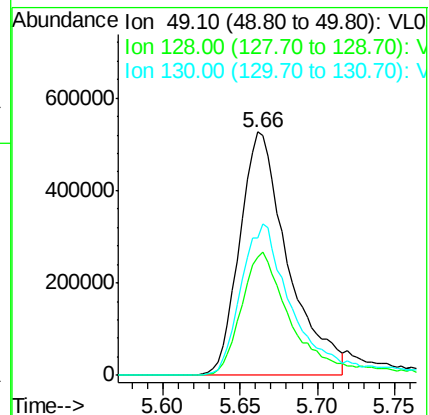
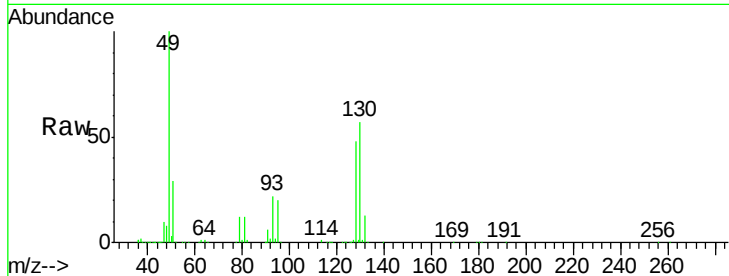
Tgt Ion: 49 Resp: 1141605

Ion Ratio Lower Upper

49 100

128 54.7 27.1 81.3

130 71.5 33.2 99.6



#9

Propene

Concen: 0.038 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL037879.D

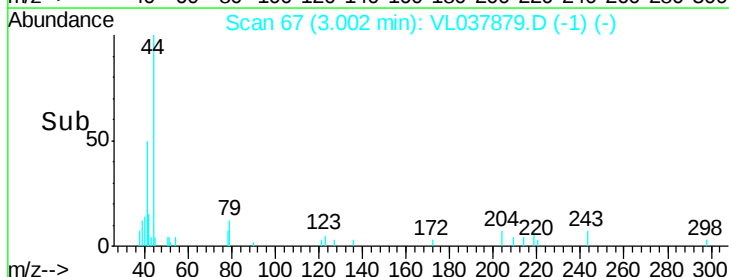
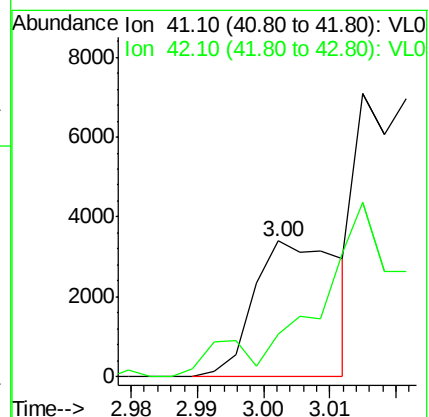
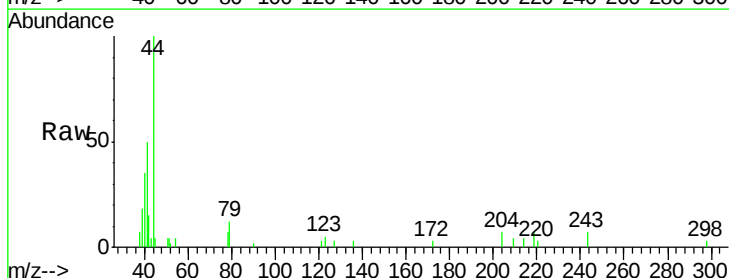
Acq: 20 Oct 2021 9:32

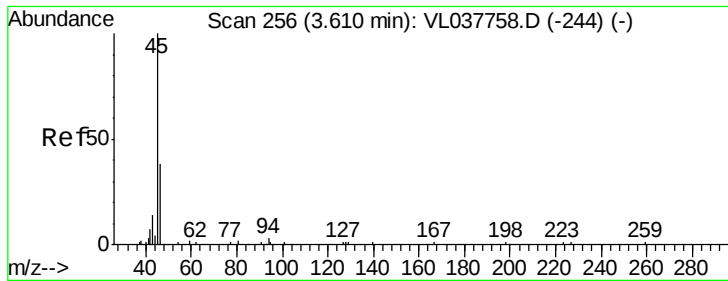
Tgt Ion: 41 Resp: 3034

Ion Ratio Lower Upper

41 100

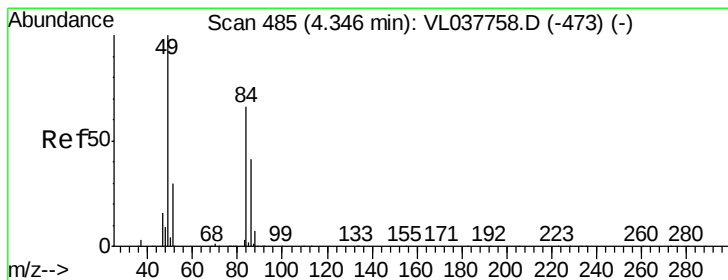
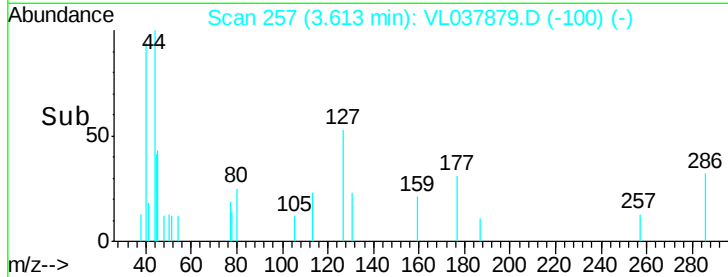
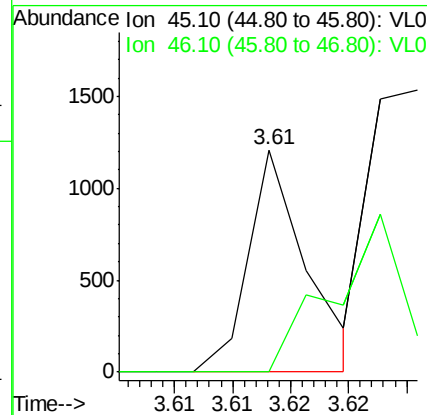
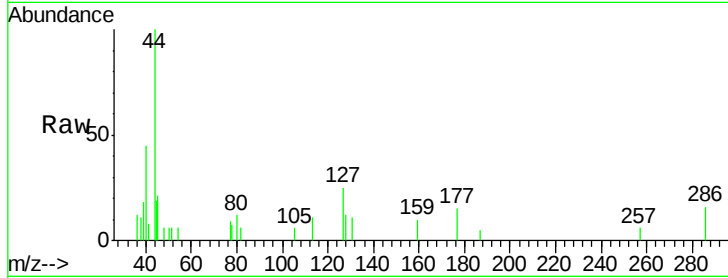
42 0.0 54.2 81.2#





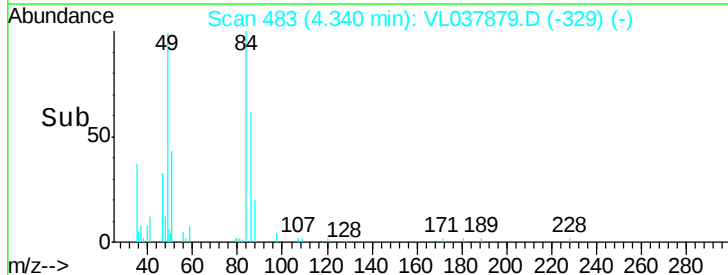
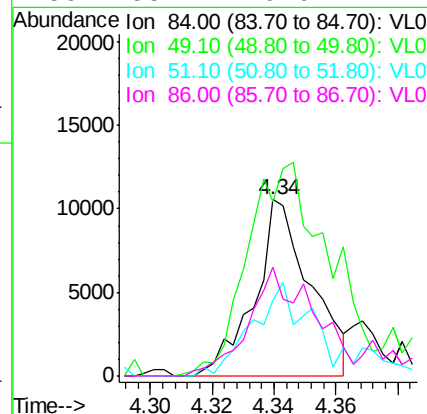
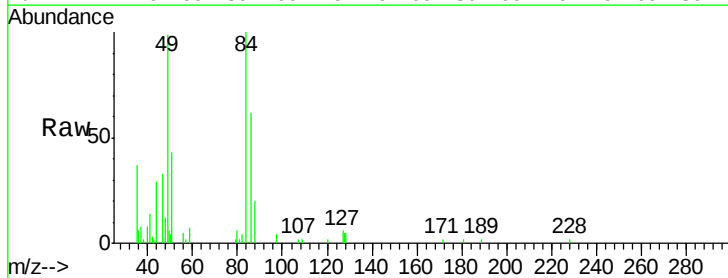
#13
Ethanol
Concen: 0.064 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Oct 2021 9:32

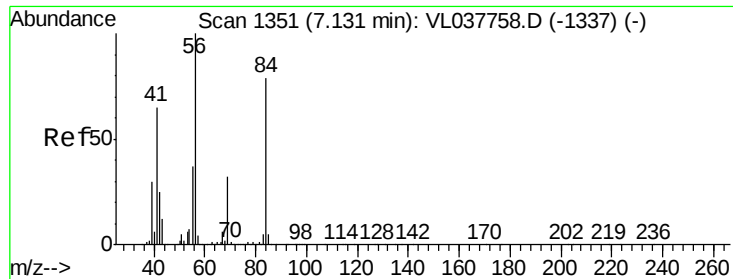
Tgt Ion: 45 Resp: 420
Ion Ratio Lower Upper
45 100
46 0.0 20.2 81.0#



#20
Methylene Chloride
Concen: 0.256 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL037879.D
Acq: 20 Oct 2021 9:32

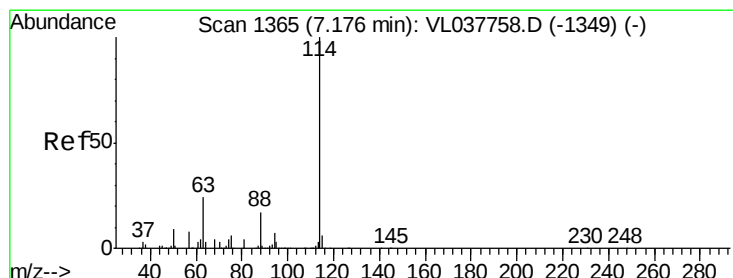
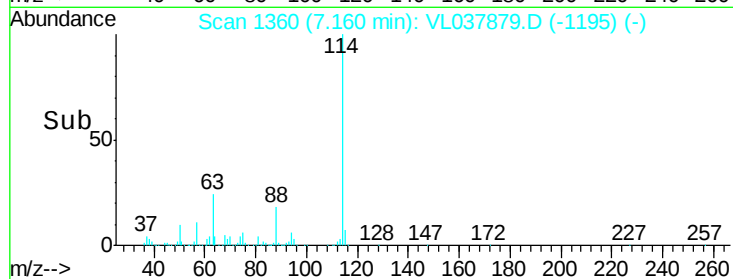
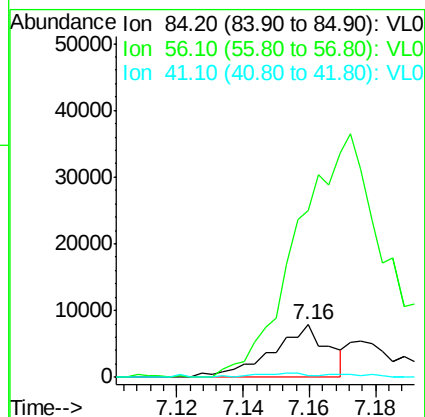
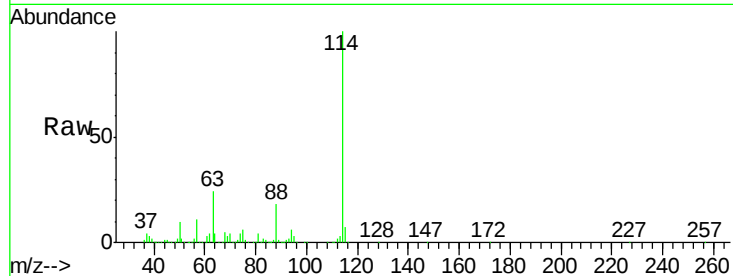
Tgt Ion: 84 Resp: 13279
Ion Ratio Lower Upper
84 100
49 102.5 120.7 181.1#
51 43.2 36.2 54.4
86 58.7 49.6 74.4





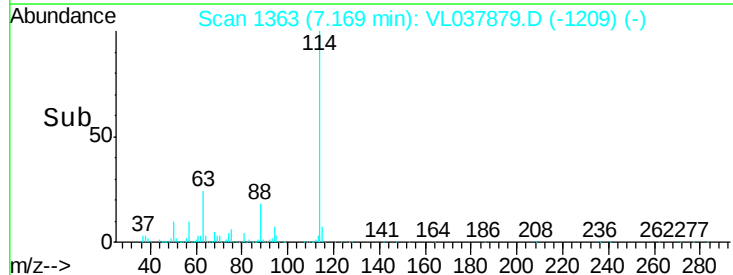
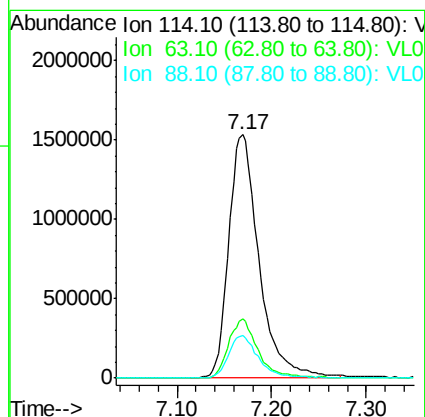
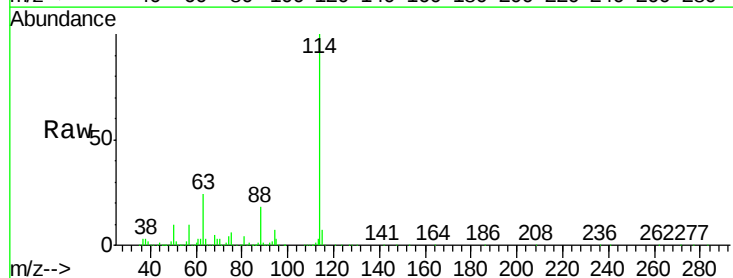
#30
Cyclohexane
Concen: 0.077 ppbv
RT: 7.16
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Oct 2021 9:32

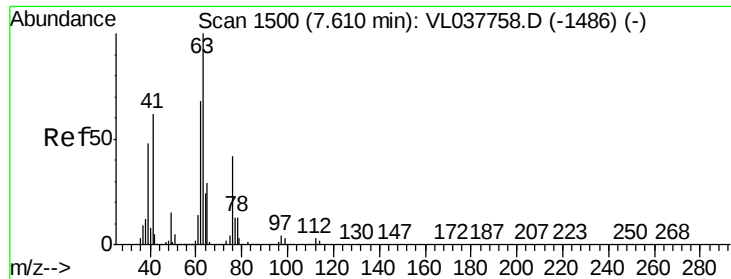
Tgt Ion: 84 Resp: 9228
Ion Ratio Lower Upper
84 100
56 0.0 113.0 169.4#
41 14.3 69.1 103.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL037879.D
Acq: 20 Oct 2021 9:32

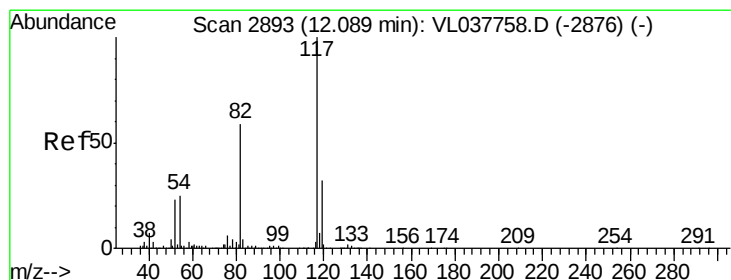
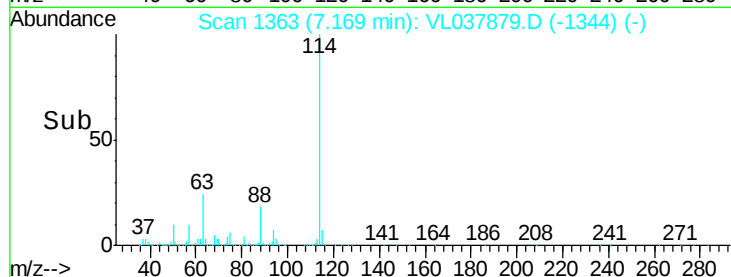
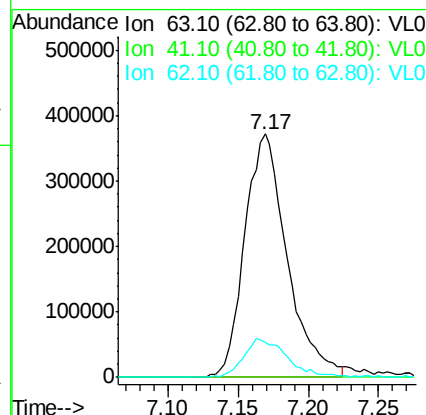
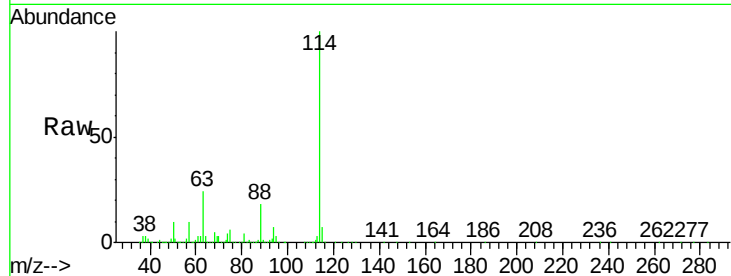
Tgt Ion: 114 Resp: 3423782
Ion Ratio Lower Upper
114 100
63 23.7 19.4 29.2
88 17.6 14.4 21.6





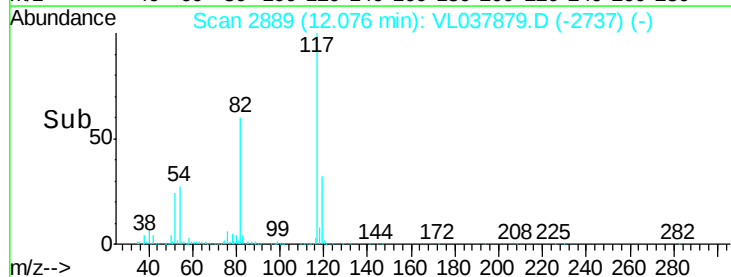
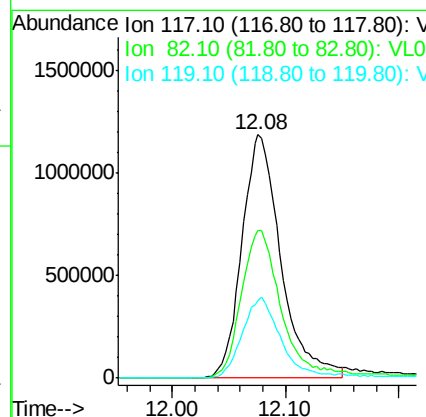
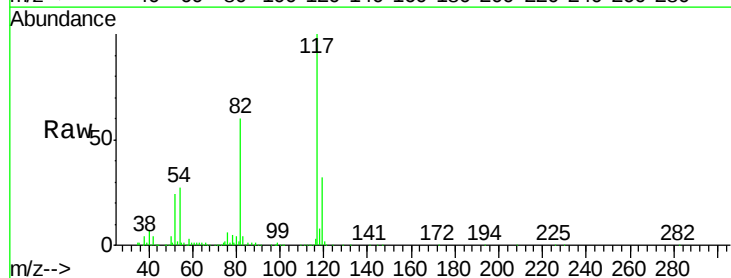
#39
 1,2-Dichloropropane
 Concen: 7.123 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL1020ABL01
 Acq: 20 Oct 2021 9:32

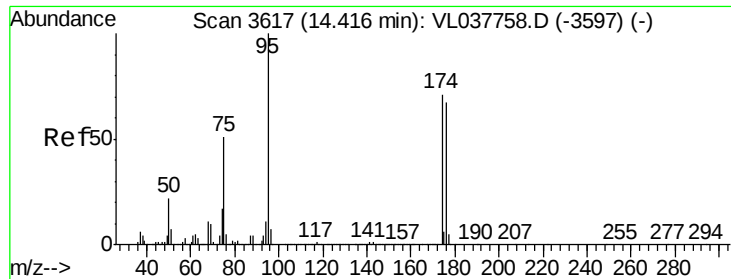
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.1	49.8	74.6#
62	14.3	54.6	82.0#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min Scan# 2889
 Delta R.T. -0.01 min
 Lab File: VL037879.D
 Acq: 20 Oct 2021 9:32

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.4	52.2	78.2
119	33.8	26.0	39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.471 ppbv

RT: 14.41

Delta R.T

Lab File: ClientSampleId :

Acq: 20 Oct 2021 9:32

Tgt Ion: 95 Resp: 1892716

Ion Ratio Lower Upper

95 100

174 78.4 57.8 86.6

175 5.6 4.7 7.1

