

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101821\
 Data File : VL037874.D
 Acq On : 19 Oct 2021 5:18
 Operator : SY/AP
 Sample : M4068-14 LOQ 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 20 01:52:27 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	5.67	49	1066577	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3256123	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2839344	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1957941	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

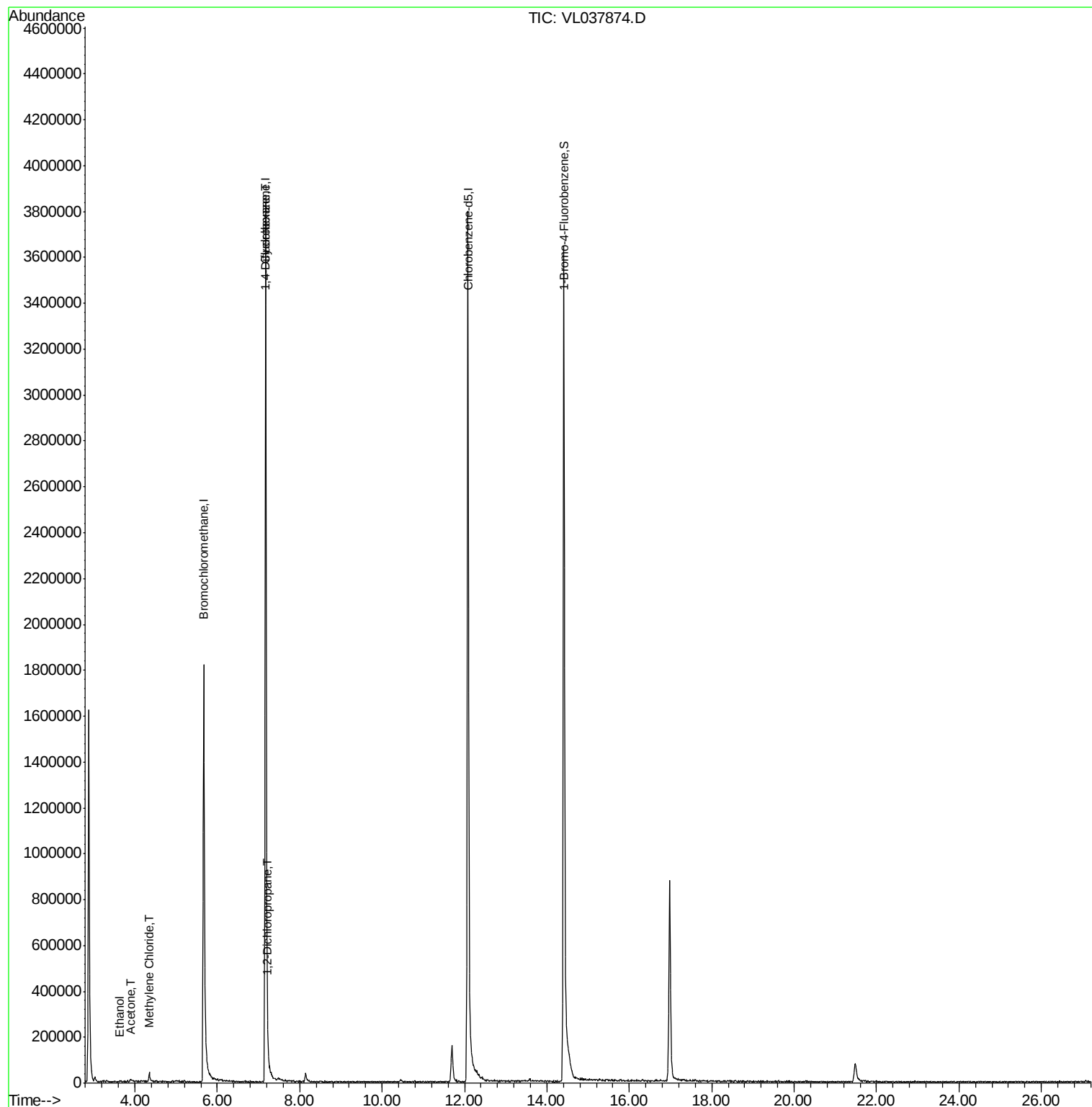
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.62	45	306	0.050	ppbv #	27
15) Acetone	3.88	43	4006	0.042	ppbv #	46
20) Methylene Chloride	4.35	84	8645	0.179	ppbv	95
30) Cyclohexane	7.16	84	7257	0.065	ppbv #	1
39) 1,2-Dichloropropane	7.23	63	10187	0.097	ppbv #	28

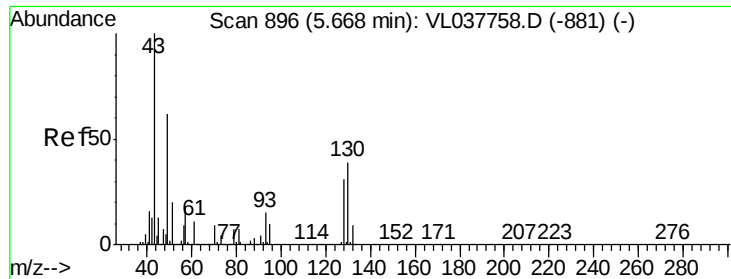
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Oct 2021 5:18

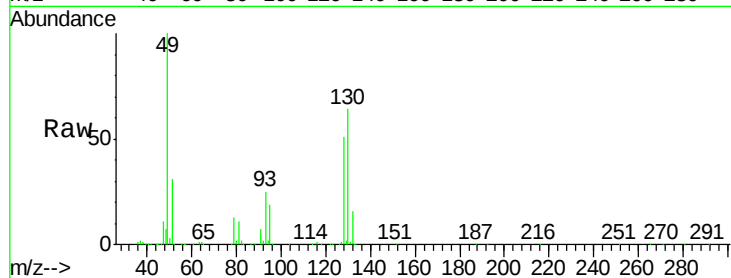
Tgt Ion: 49 Resp: 1066577

Ion Ratio Lower Upper

49 100

128 55.1 27.1 81.3

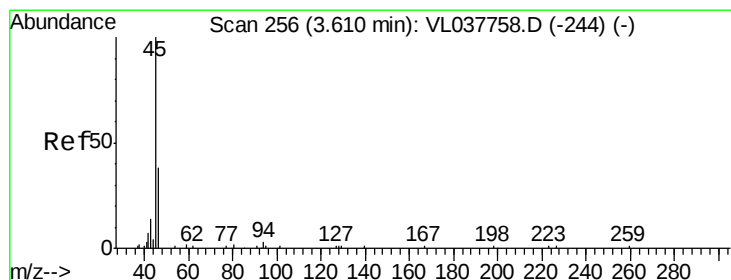
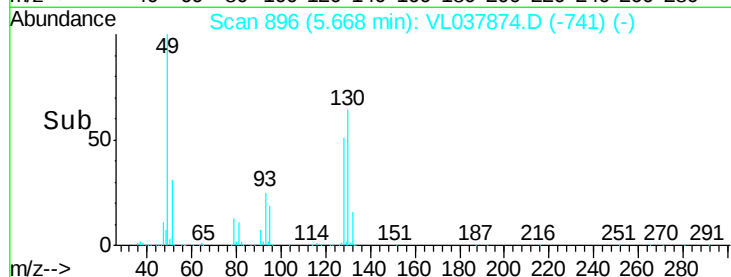
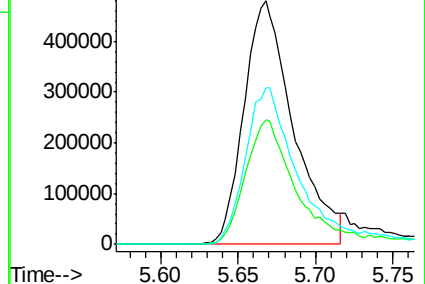
130 73.6 33.2 99.6



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



#13

Ethanol

Concen: 0.050 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL037874.D

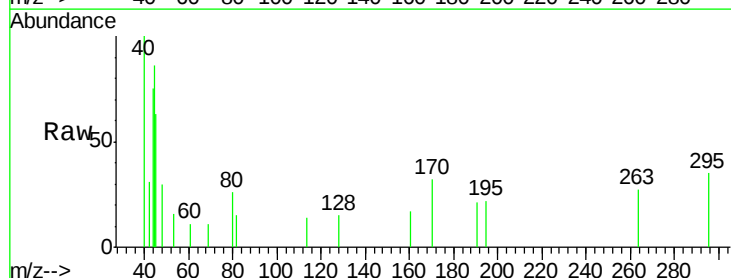
Acq: 19 Oct 2021 5:18

Tgt Ion: 45 Resp: 306

Ion Ratio Lower Upper

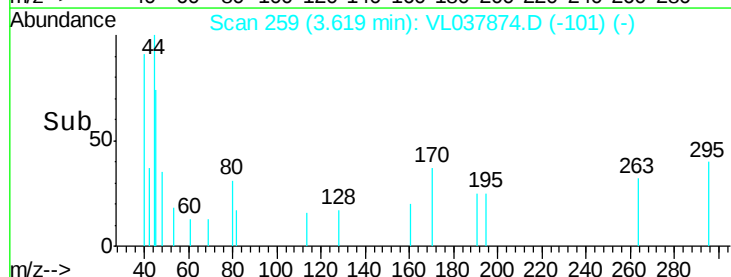
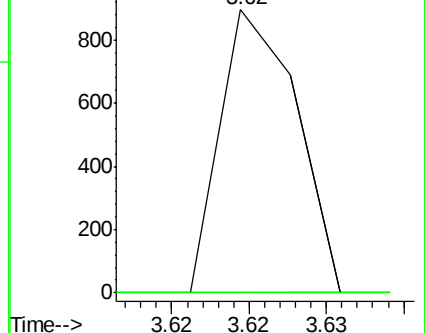
45 100

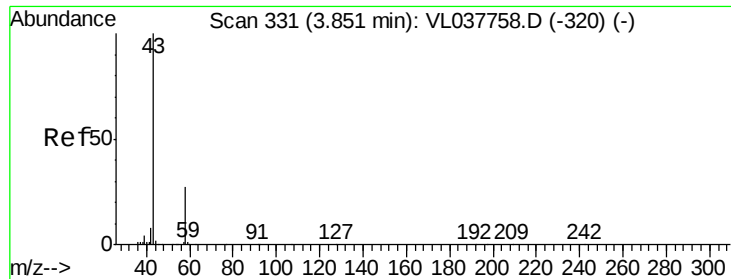
46 0.0 20.2 81.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

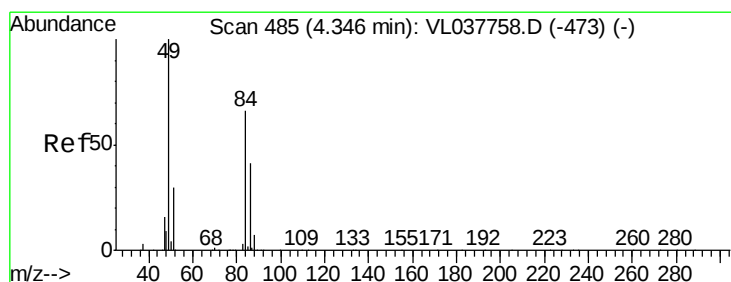
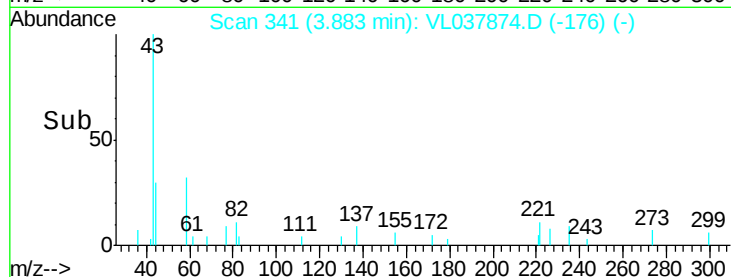
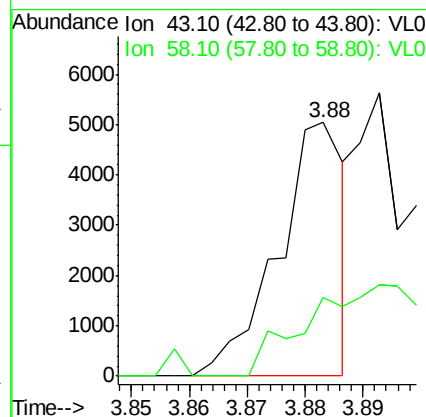
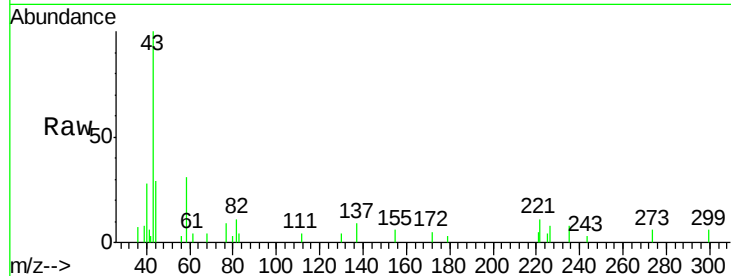
Ion 46.10 (45.80 to 46.80): VL0





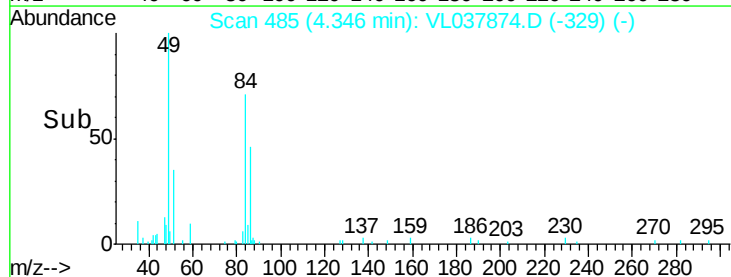
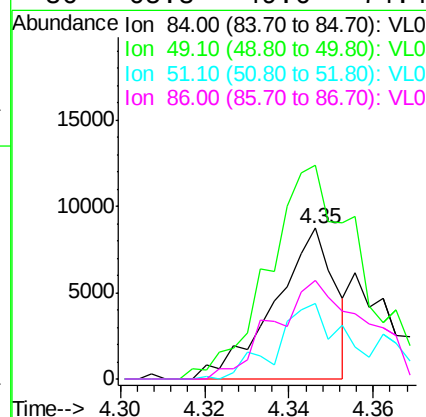
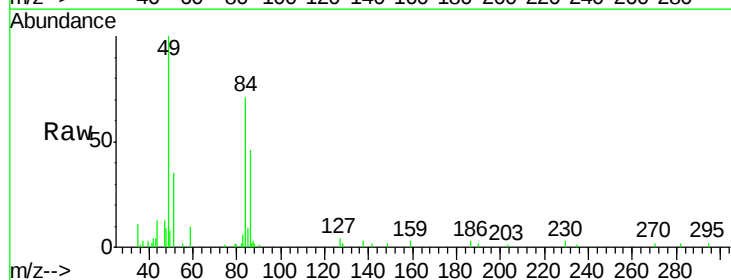
#15
Acetone
Concen: 0.042 ppbv
RT: 3.88
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Oct 2021 5:18

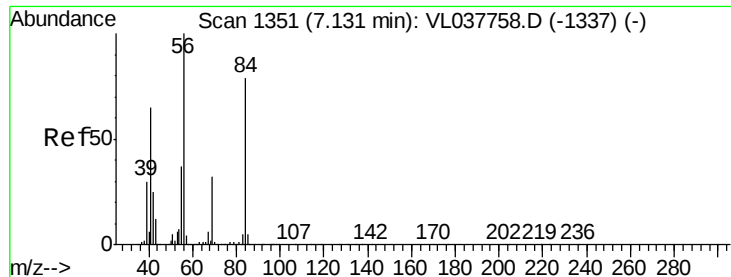
Tgt Ion: 43 Resp: 4006
Ion Ratio Lower Upper
43 100
58 0.0 23.0 34.6#



#20
Methylene Chloride
Concen: 0.179 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.00 min
Lab File: VL037874.D
Acq: 19 Oct 2021 5:18

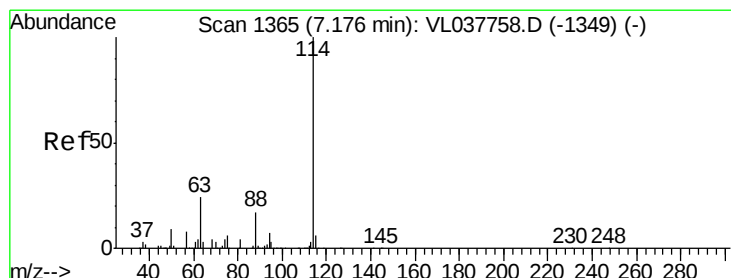
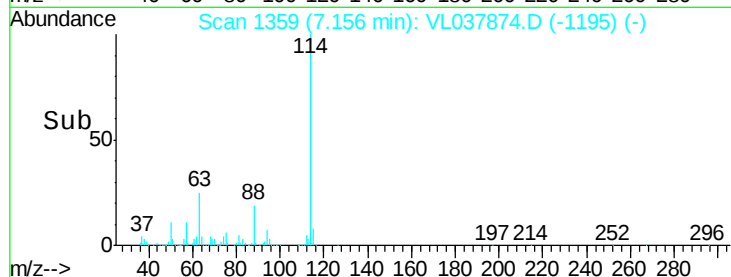
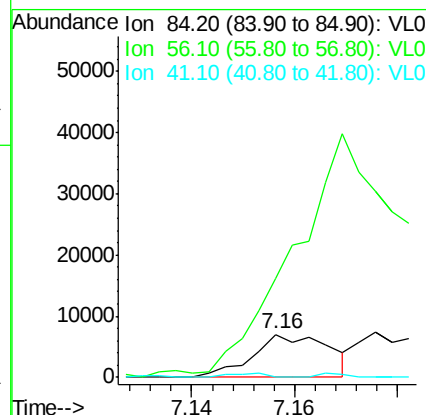
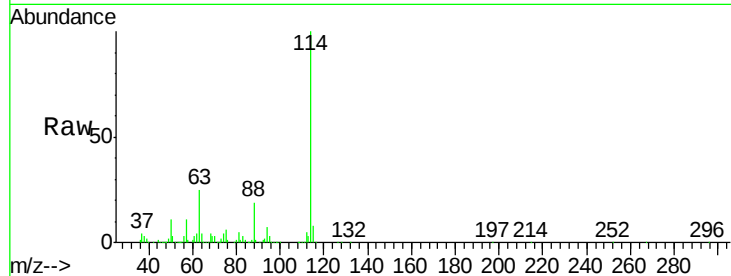
Tgt Ion: 84 Resp: 8645
Ion Ratio Lower Upper
84 100
49 146.0 120.7 181.1
51 49.8 36.2 54.4
86 65.8 49.6 74.4





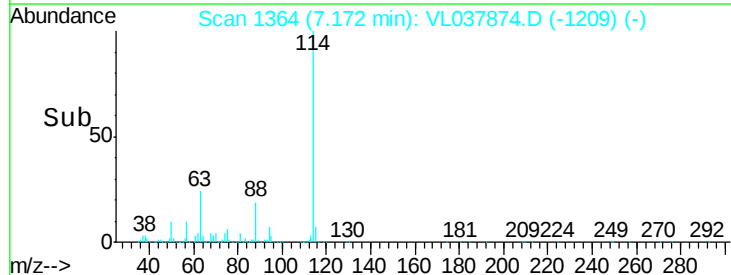
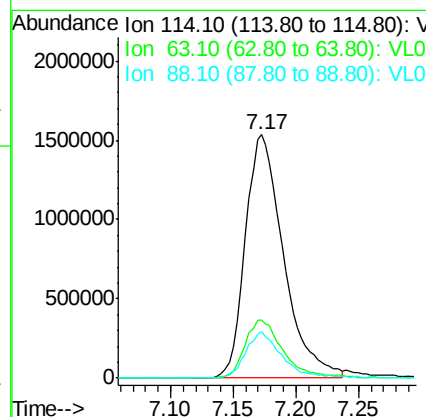
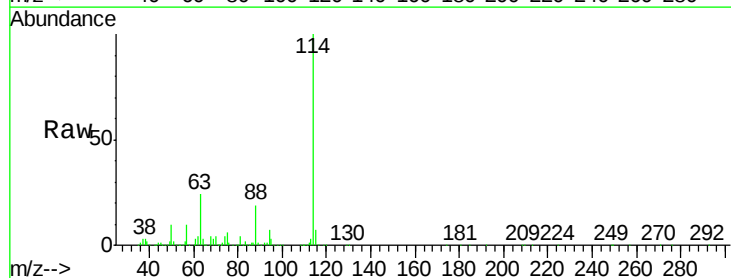
#30
Cyclohexane
Concen: 0.065 ppbv
RT: 7.16 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 19 Oct 2021 5:18

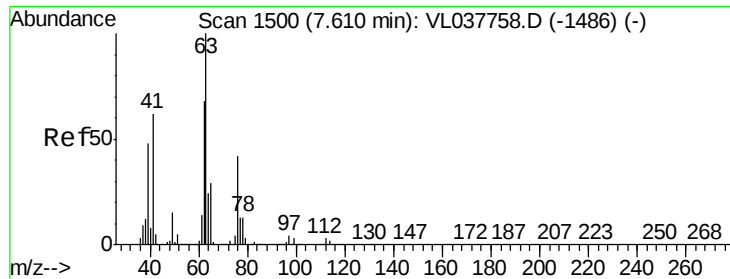
Tgt Ion: 84 Resp: 7257
Ion Ratio Lower Upper
84 100
56 0.0 113.0 169.4#
41 7.3 69.1 103.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.00 min
Lab File: VL037874.D
Acq: 19 Oct 2021 5:18

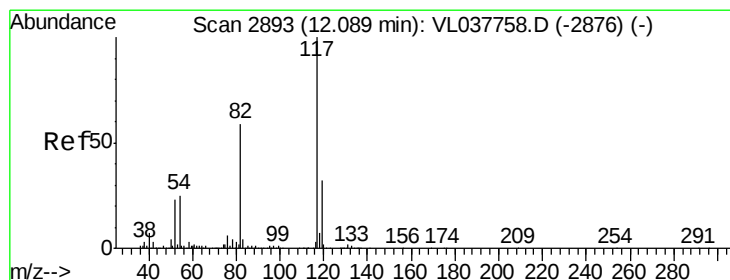
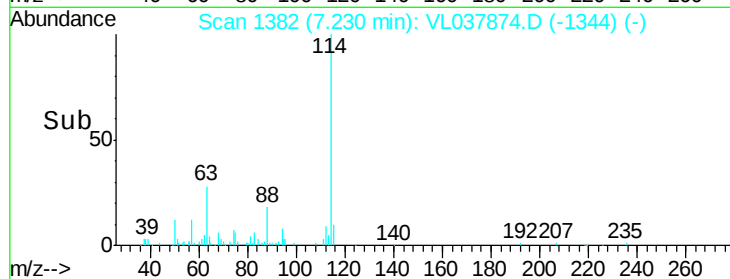
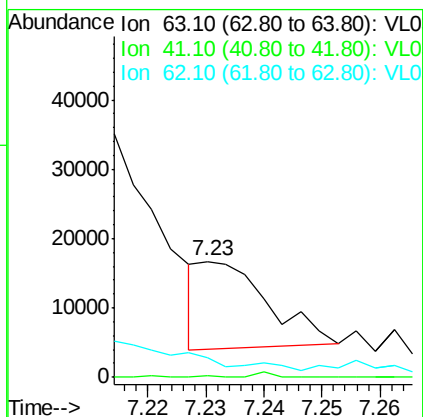
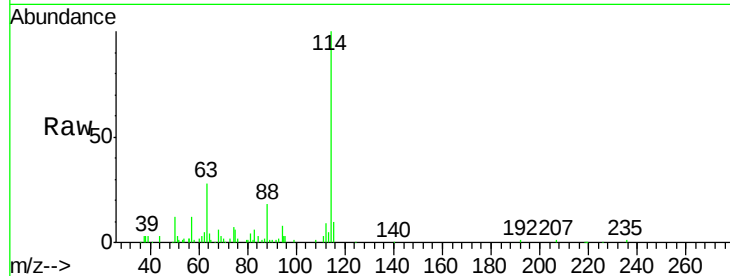
Tgt Ion: 114 Resp: 3256123
Ion Ratio Lower Upper
114 100
63 24.3 19.4 29.2
88 18.3 14.4 21.6





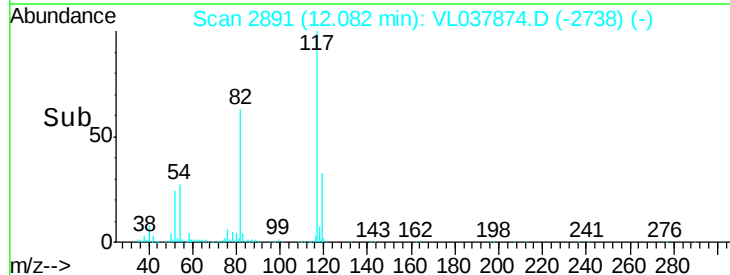
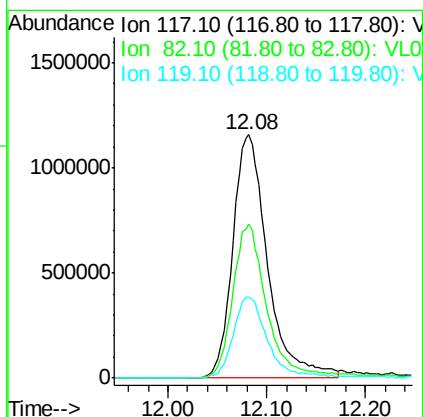
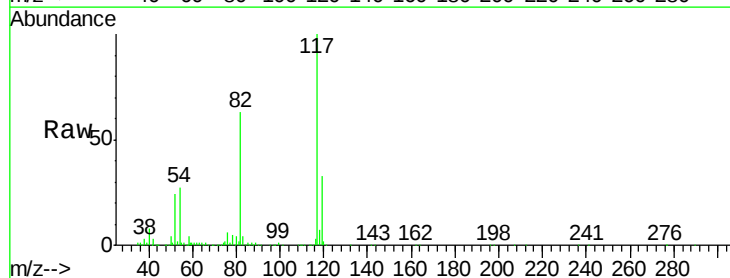
#39
 1,2-Dichloropropane
 Concen: 0.097 ppbv
 RT: 7.23
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 19 Oct 2021 5:18

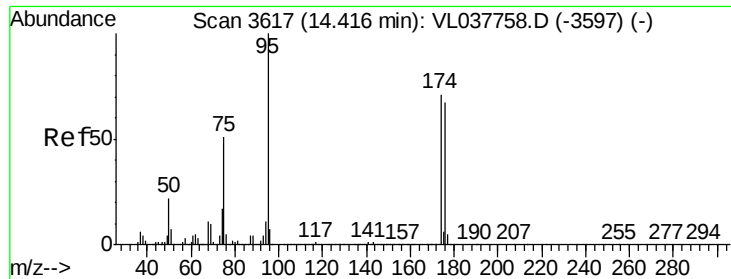
Tgt Ion	Ratio	Lower	Upper
63	100		
41	1.6	49.8	74.6#
62	14.4	54.6	82.0#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min Scan# 2891
 Delta R.T. -0.01 min
 Lab File: VL037874.D
 Acq: 19 Oct 2021 5:18

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.6	52.2	78.2
119	32.7	26.0	39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.861 ppbv

RT: 14.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Oct 2021 3.18

Tgt Ion: 95 Resp: 1957941

Ion Ratio Lower Upper

95 100

174 74.5 57.8 86.6

175 5.5 4.7 7.1

