

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102521\
 Data File : VL037892.D
 Acq On : 25 Oct 2021 13:31
 Operator : SY/AP
 Sample : QC102221 CAN 10297
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC102221 CAN 10297

Quant Time: Oct 25 23:50:09 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	1424328	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4209307	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3537598	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2515283	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

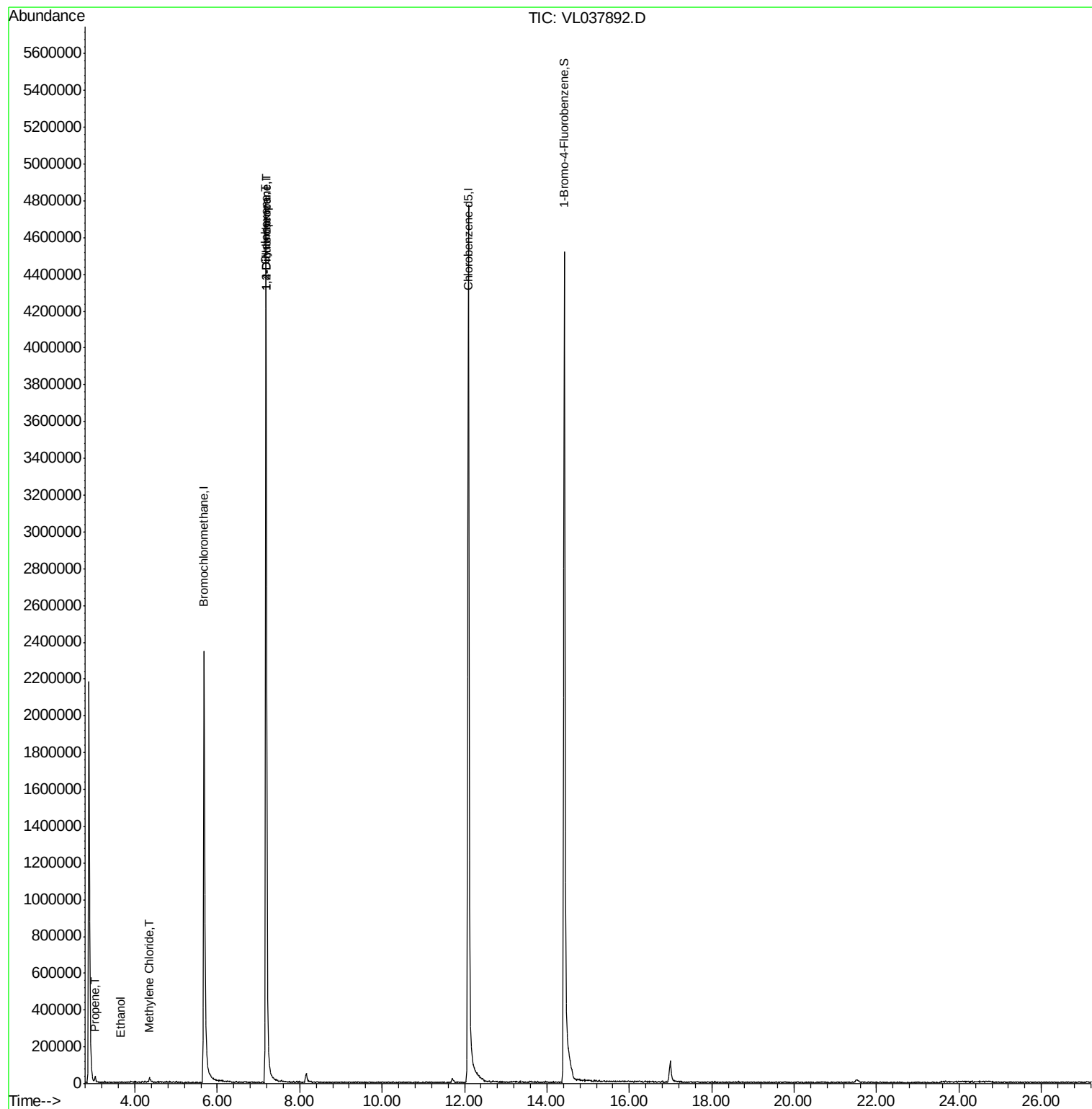
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	3797	0.038	ppbv #	16
13) Ethanol	3.64	45	801	0.097	ppbv #	34
20) Methylene Chloride	4.36	84	6135	0.095	ppbv #	77
30) Cyclohexane	7.17	84	7471	0.050	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	973896	7.202	ppbv #	28

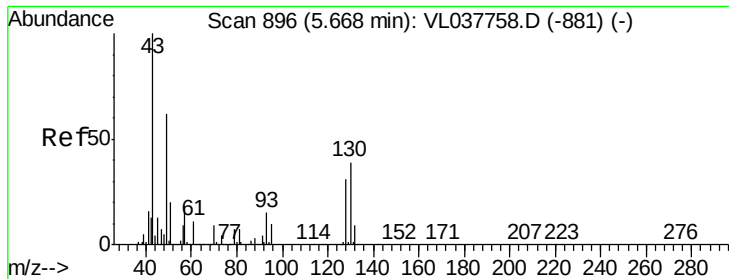
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Oct 2021 13:31

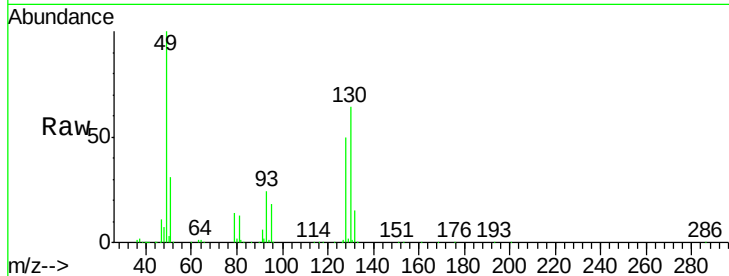
Tgt Ion: 49 Resp: 1424328

Ion Ratio Lower Upper

49 100

128 53.9 27.1 81.3

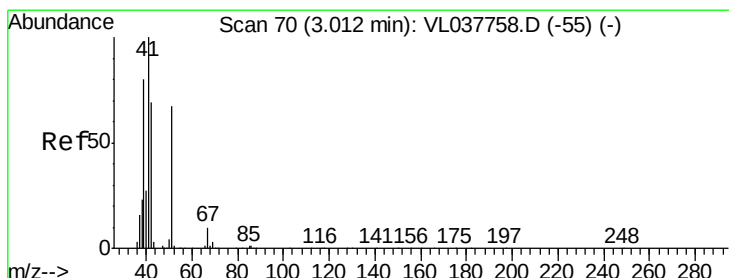
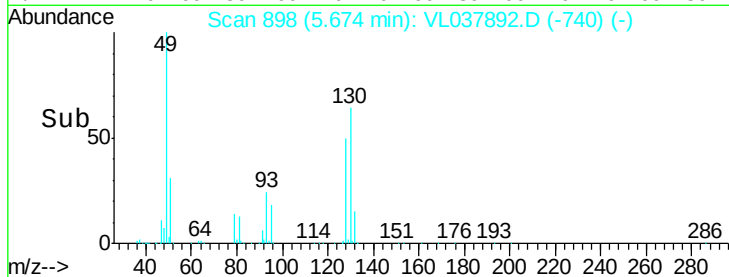
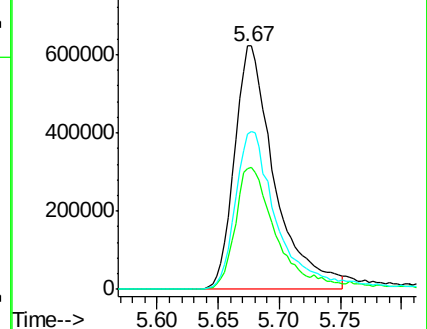
130 70.2 33.2 99.6



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



#9

Propene

Concen: 0.038 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL037892.D

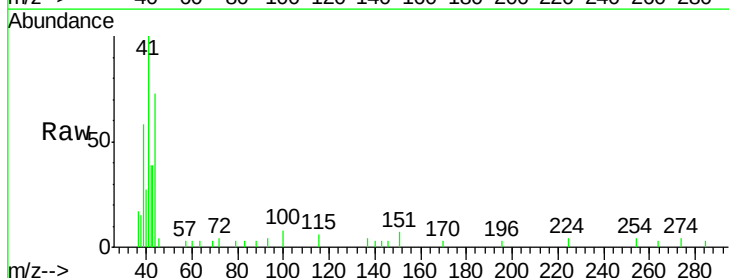
Acq: 25 Oct 2021 13:31

Tgt Ion: 41 Resp: 3797

Ion Ratio Lower Upper

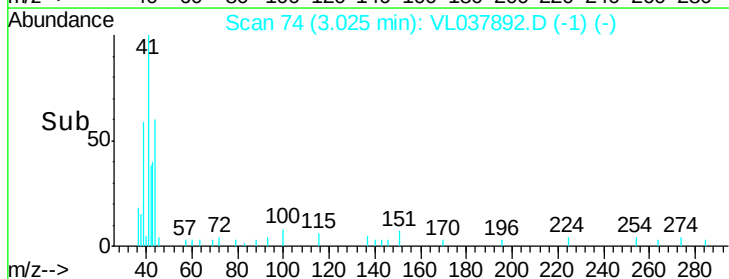
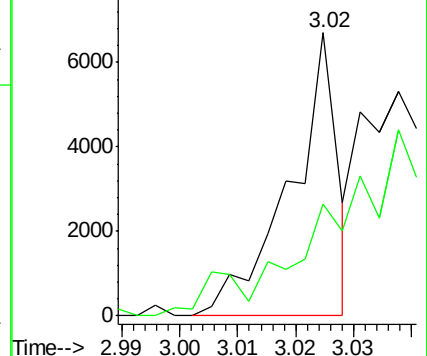
41 100

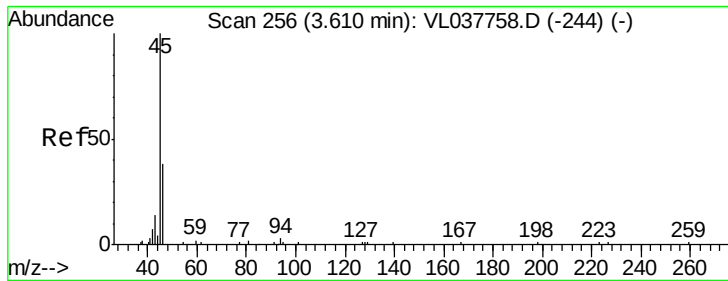
42 0.0 54.2 81.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

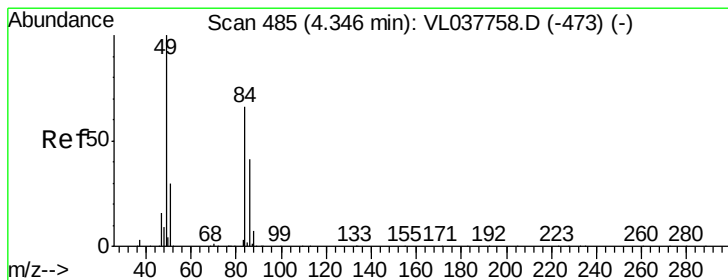
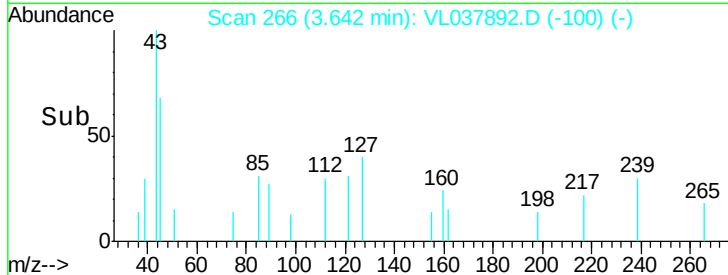
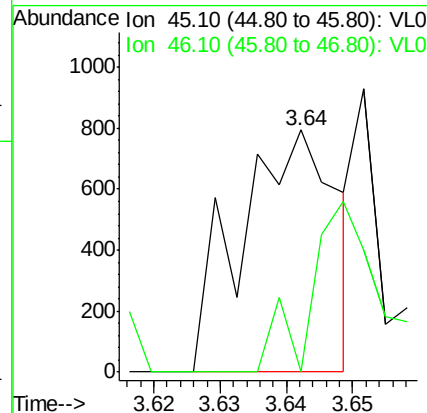
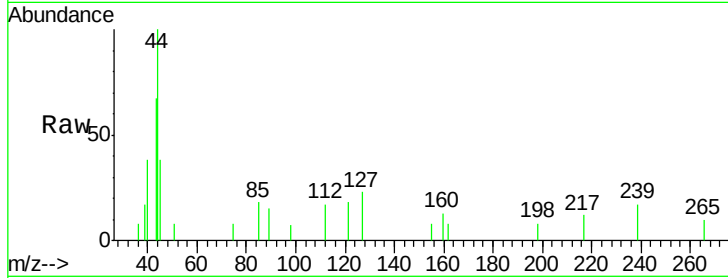
Ion 42.10 (41.80 to 42.80): VL0





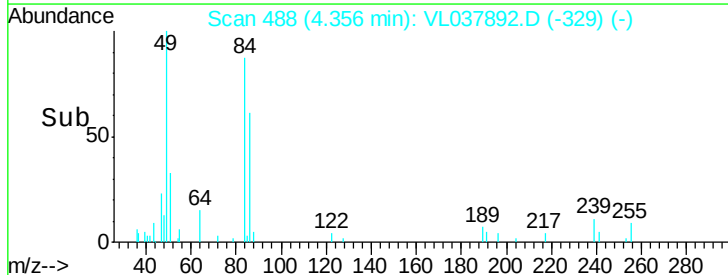
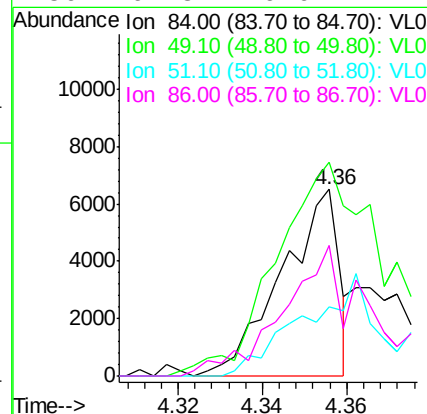
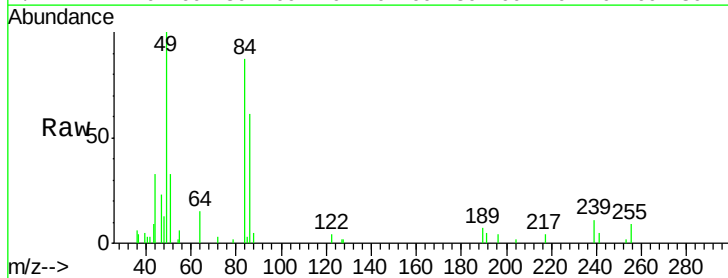
#13
 Ethanol
 Concen: 0.097 ppbv
 RT: 3.64
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Oct 2021 13:31

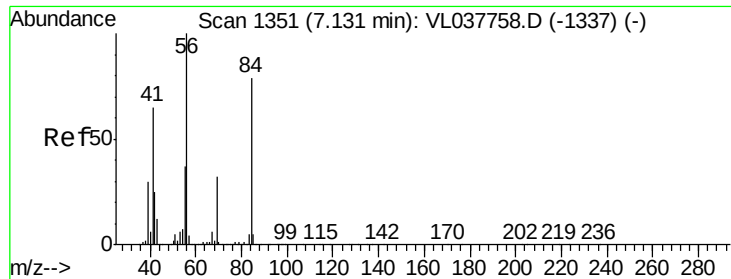
Tgt Ion: 45 Resp: 801
 Ion Ratio Lower Upper
 45 100
 46 4.7 20.2 81.0#



#20
 Methylene Chloride
 Concen: 0.095 ppbv
 RT: 4.36 min Scan# 488
 Delta R.T. 0.01 min
 Lab File: VL037892.D
 Acq: 25 Oct 2021 13:31

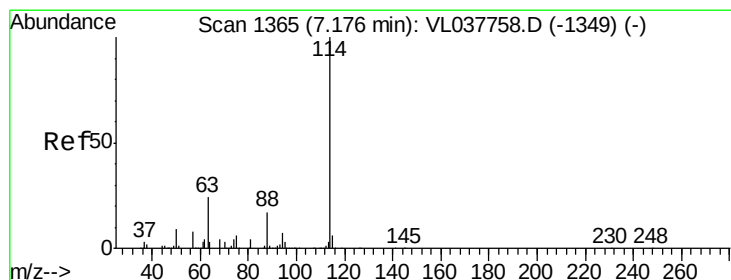
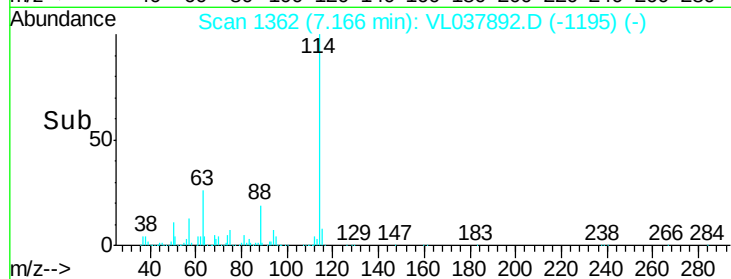
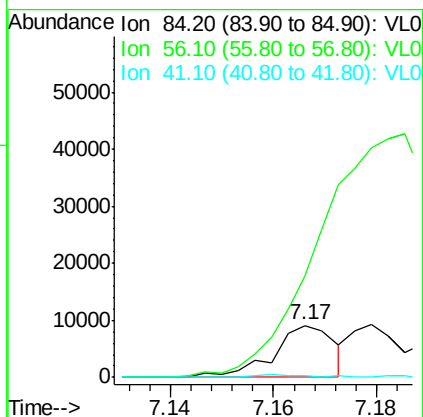
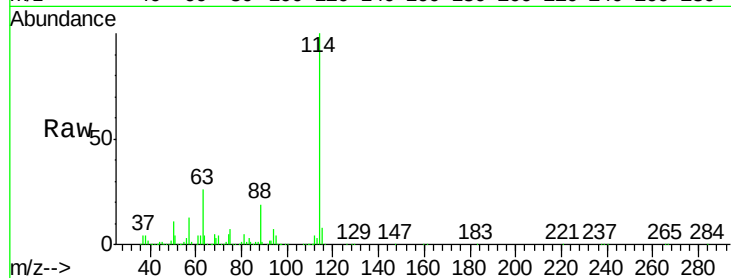
Tgt Ion: 84 Resp: 6135
 Ion Ratio Lower Upper
 84 100
 49 109.1 120.7 181.1#
 51 37.4 36.2 54.4
 86 67.3 49.6 74.4





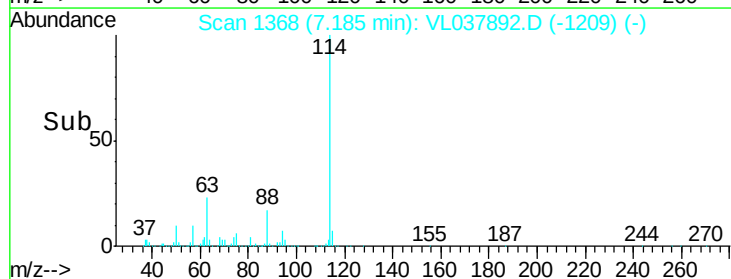
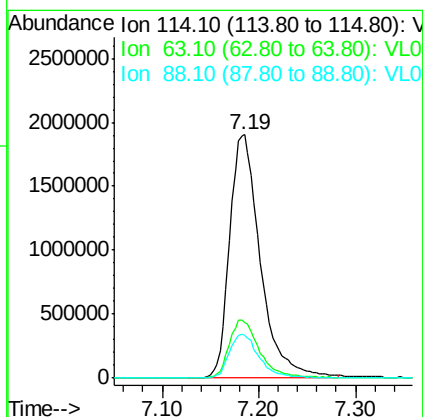
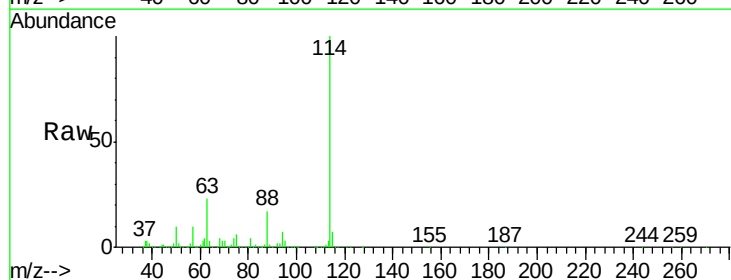
#30
Cyclohexane
Concen: 0.050 ppbv
RT: 7.17 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 25 Oct 2021 13:31

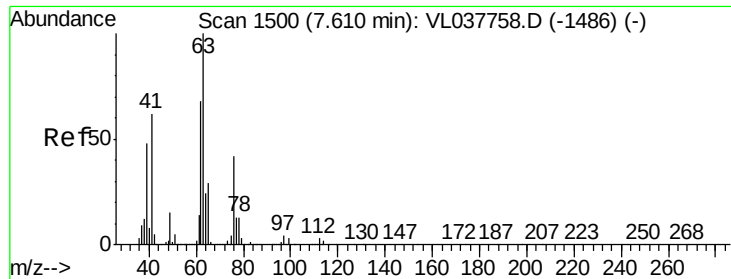
Tgt Ion: 84 Resp: 7471
Ion Ratio Lower Upper
84 100
56 0.0 113.0 169.4#
41 4.4 69.1 103.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T.: 0.01 min
Lab File: VL037892.D
Acq: 25 Oct 2021 13:31

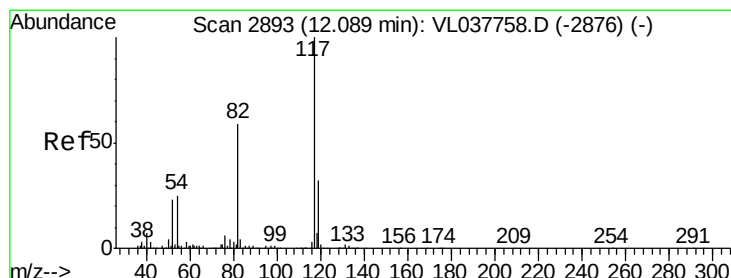
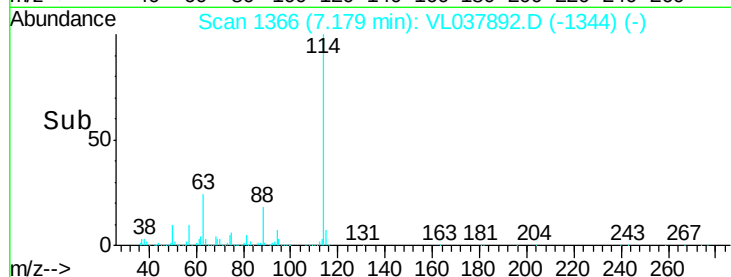
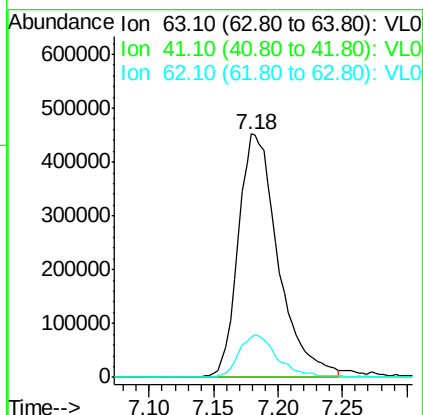
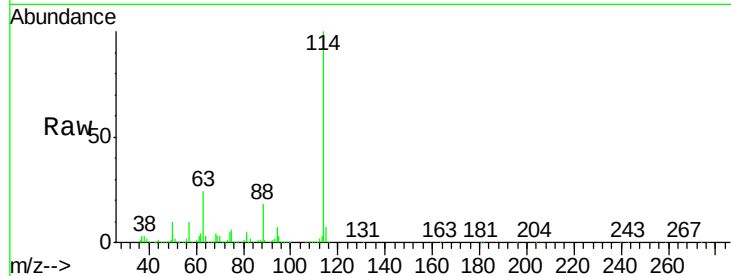
Tgt Ion: 114 Resp: 4209307
Ion Ratio Lower Upper
114 100
63 23.9 19.4 29.2
88 18.0 14.4 21.6





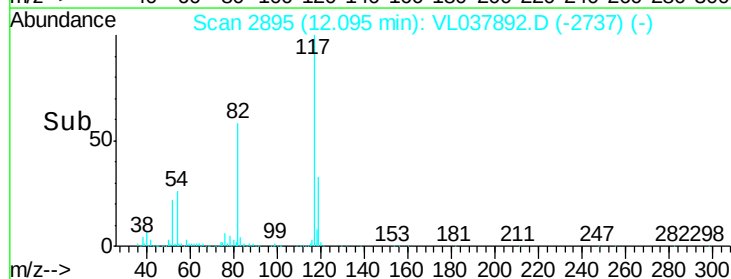
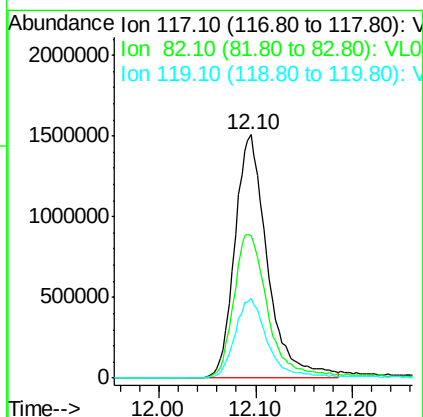
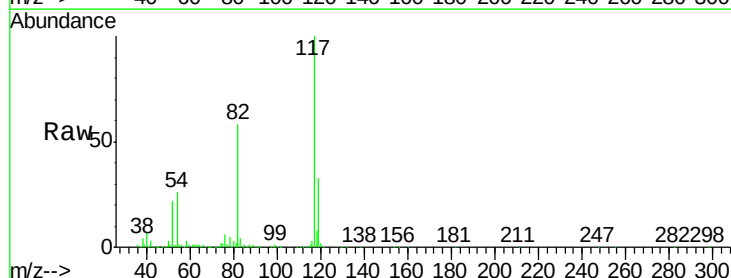
#39
 1,2-Dichloropropane
 Concen: 7.202 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 25 Oct 2021 13:31

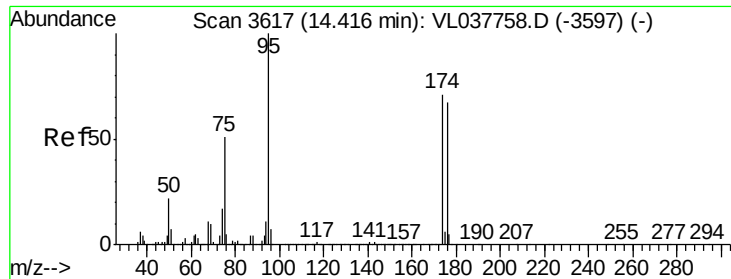
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	16.6	54.6	82.0#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2895
 Delta R.T. 0.01 min
 Lab File: VL037892.D
 Acq: 25 Oct 2021 13:31

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.0	52.2	78.2
119	33.9	26.0	39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.167 ppbv

RT: 14.42 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 15:31 QC102221 CAN 10297

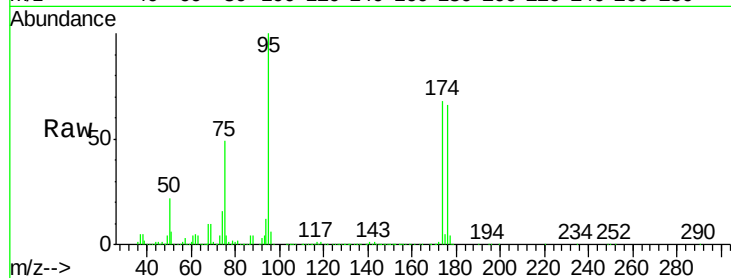
Tgt Ion: 95 Resp: 2515283

Ion Ratio Lower Upper

95 100

174 72.9 57.8 86.6

175 5.5 4.7 7.1



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

