

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\
 Data File : VL038509.D
 Acq On : 3 Mar 2022 11:33
 Operator : SY/AP
 Sample : VL0303ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABL01

Quant Time: Mar 04 04:32:31 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	800601	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	1838503	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.07	117	1594318	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1313999	9.96	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

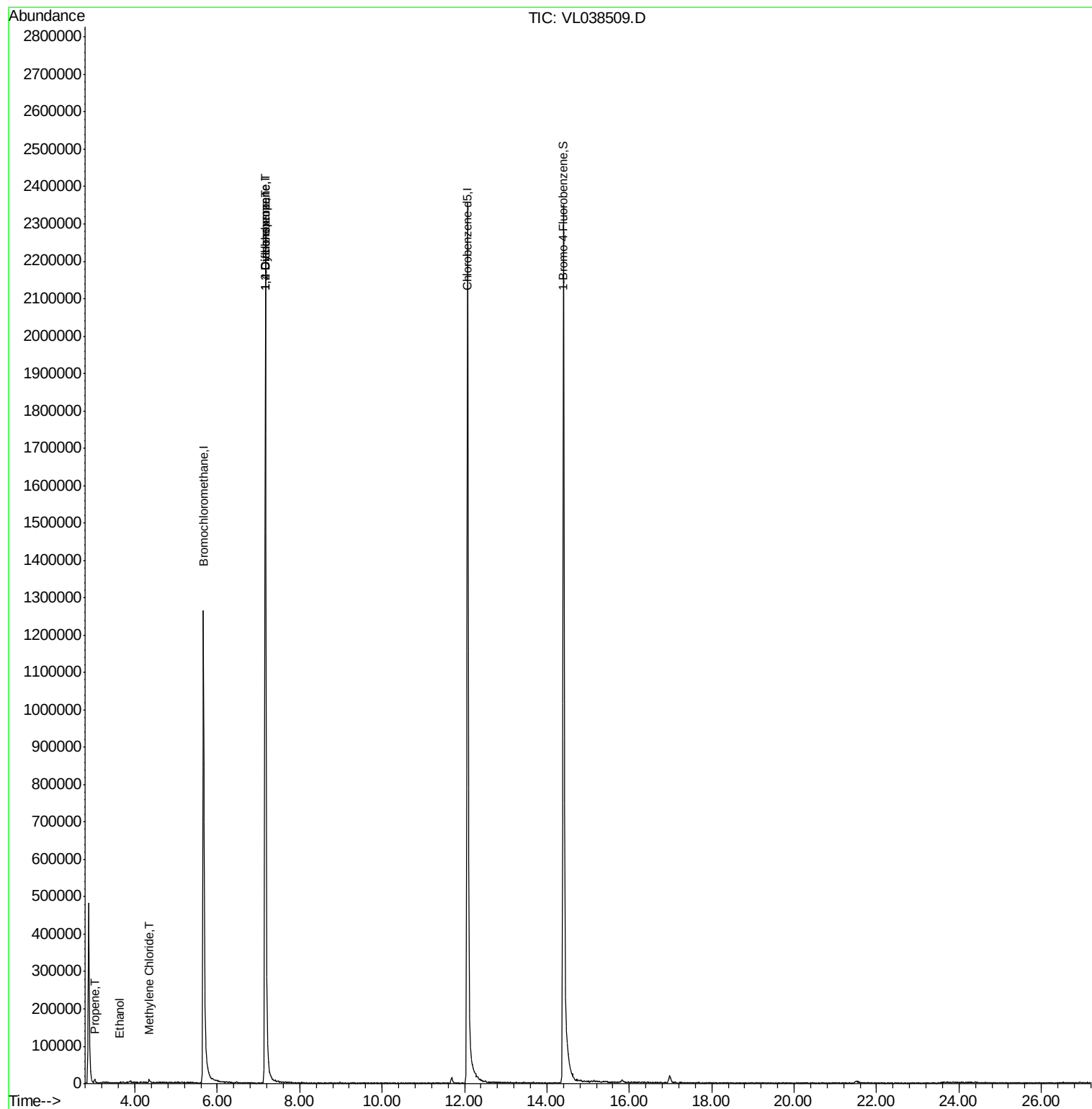
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	1770	0.038	ppbv #	16
13) Ethanol	3.63	45	265	0.057	ppbv #	31
20) Methylene Chloride	4.34	84	2248	0.067	ppbv #	67
30) Cyclohexane	7.15	84	2542	0.038	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	502130	7.789	ppbv #	26

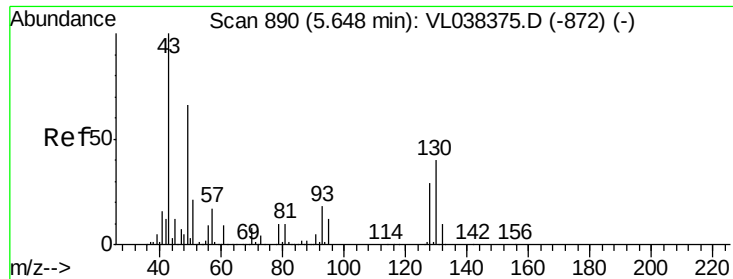
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 11:33 VL0303ABL01

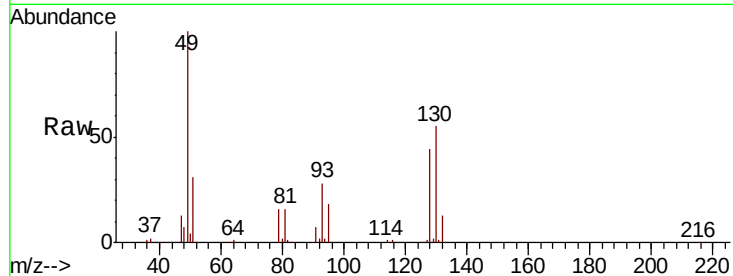
Tot Ion: 49 Resp: 800601

Ion Ratio Lower Upper

49 100

128 45.7 24.3 72.9

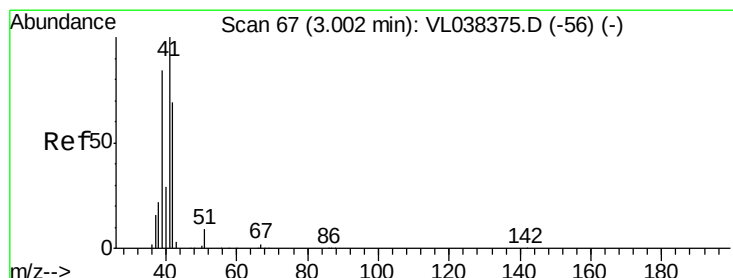
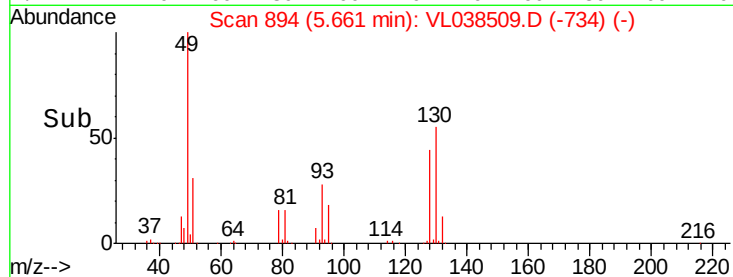
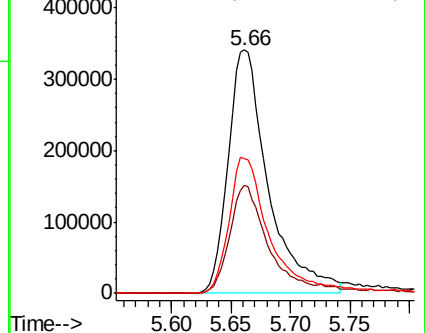
130 57.8 30.1 90.5



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



#9

Propene

Concen: 0.038 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL038509.D

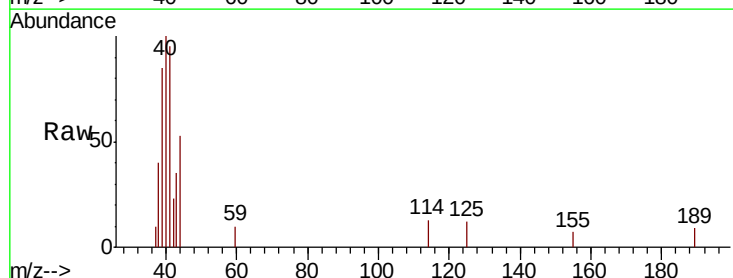
Acq: 3 Mar 2022 11:33

Tgt Ion: 41 Resp: 1770

Ion Ratio Lower Upper

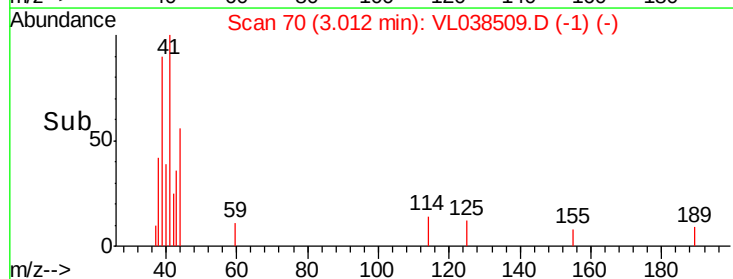
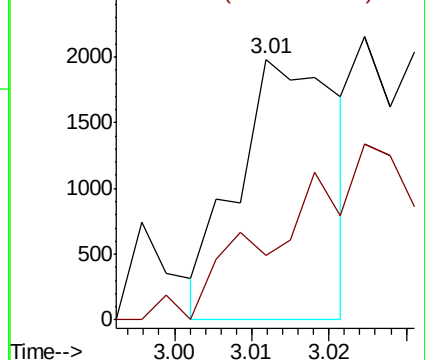
41 100

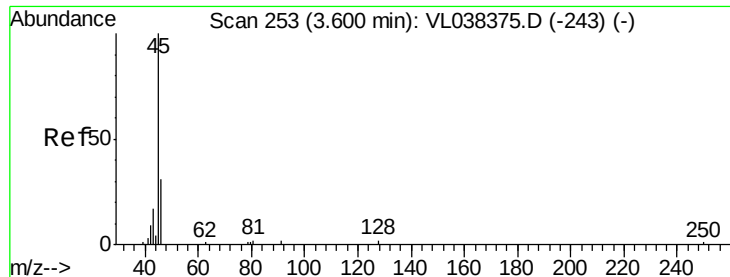
42 0.0 54.6 82.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

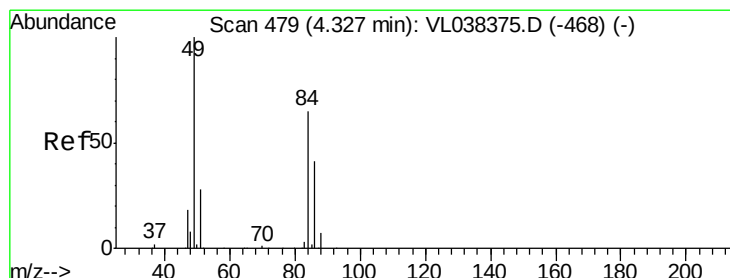
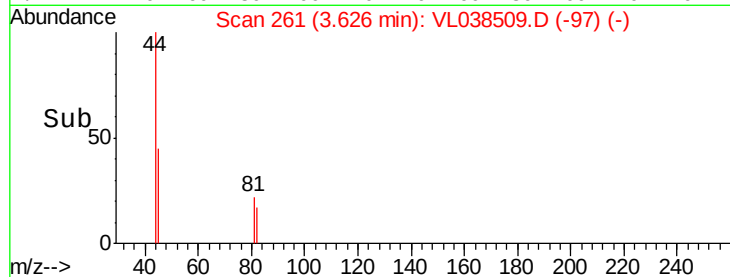
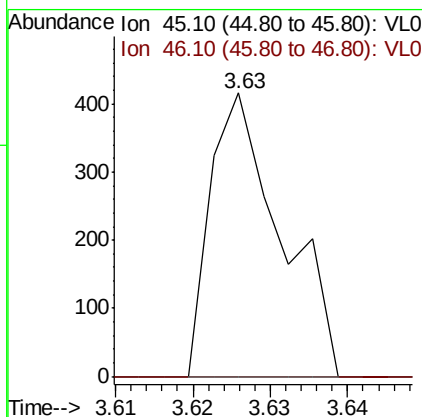
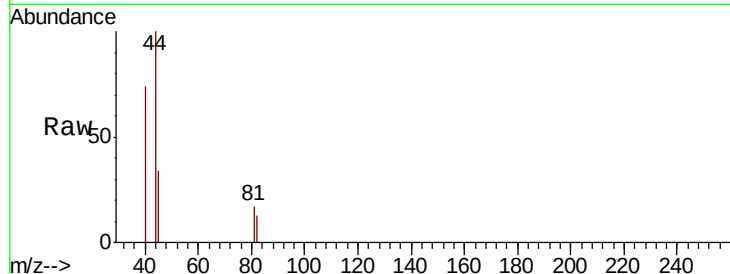
Ion 42.10 (41.80 to 42.80): VL0





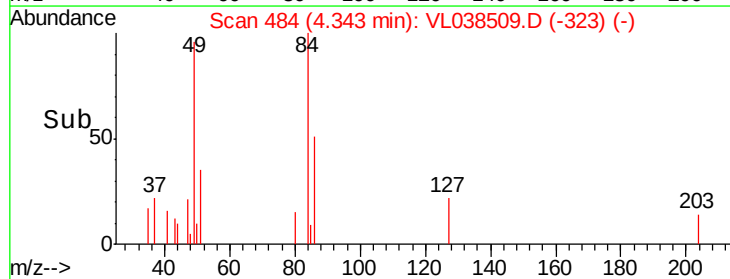
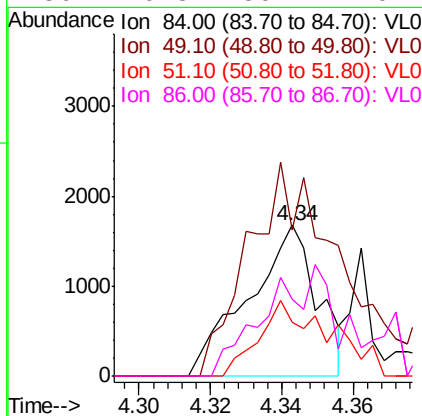
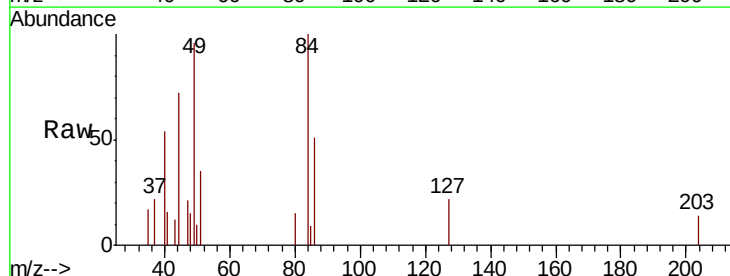
#13
 Ethanol
 Concen: 0.057 ppbv
 RT: 3.63
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0303ABL01
 Acq: 3 Mar 2022 11:33

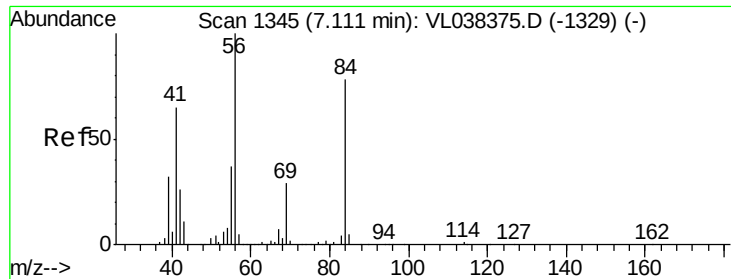
Tot Ion: 45 Resp: 265
 Ion Ratio Lower Upper
 45 100
 46 0.0 18.2 72.8#



#20
 Methylene Chloride
 Concen: 0.067 ppbv
 RT: 4.34 min Scan# 484
 Delta R.T. 0.02 min
 Lab File: VL038509.D
 Acq: 3 Mar 2022 11:33

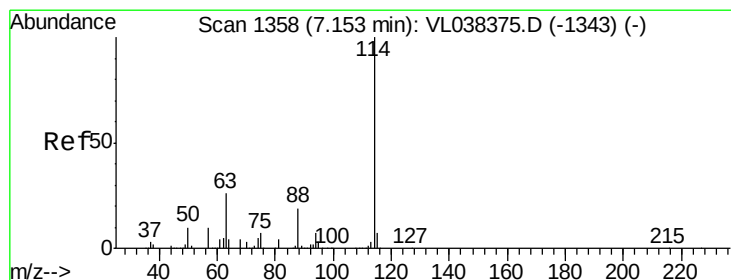
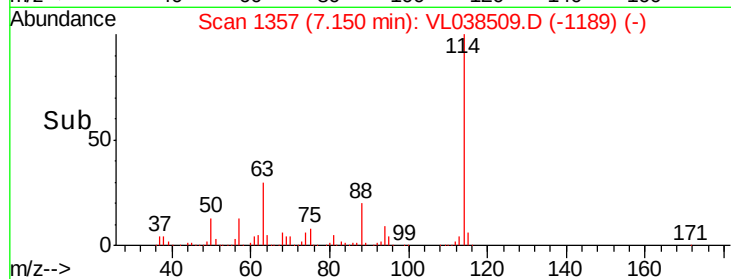
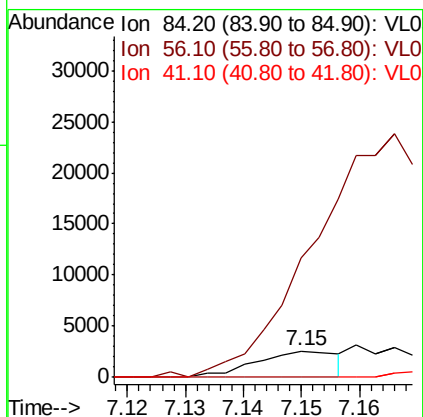
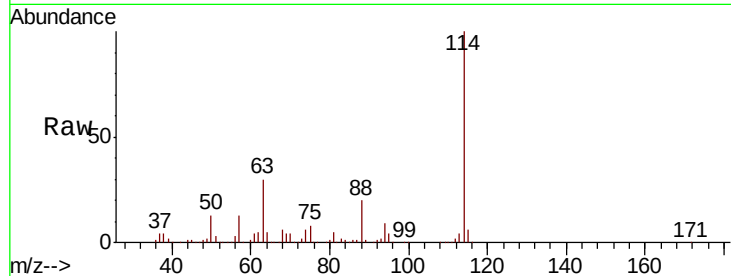
Tgt Ion: 84 Resp: 2248
 Ion Ratio Lower Upper
 84 100
 49 97.9 122.4 183.6#
 51 32.5 33.3 49.9#
 86 46.8 50.7 76.1#





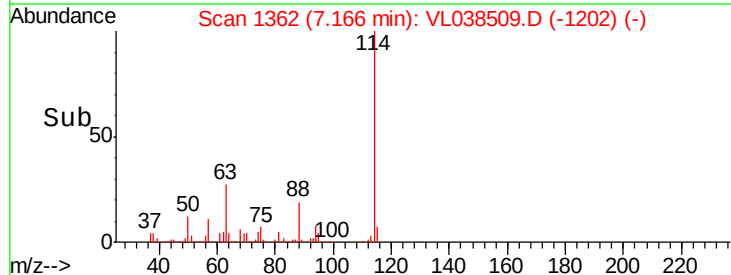
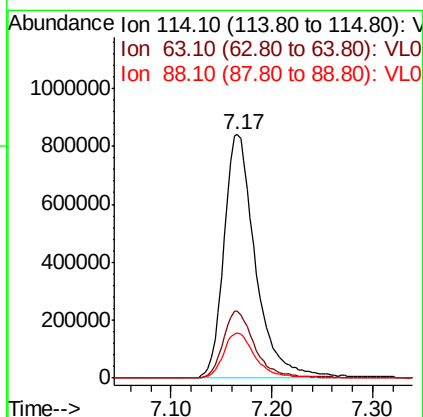
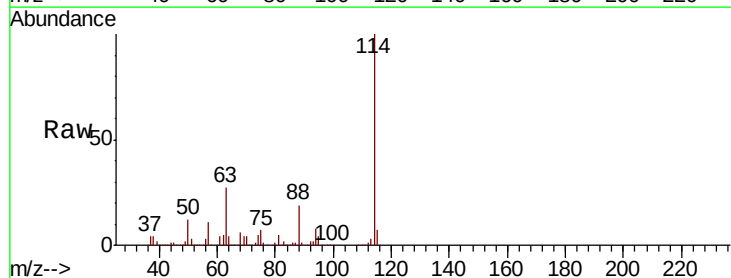
#30
Cvclohexane
Concen: 0.038 ppbv
RT: 7.15
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 11:33

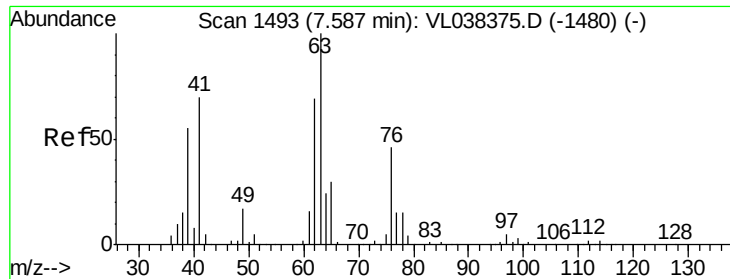
Tot Ion: 84 Resp: 2542
Ion Ratio Lower Upper
84 100
56 0.0 116.2 174.4#
41 0.0 74.3 111.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.01 min
Lab File: VL038509.D
Acq: 3 Mar 2022 11:33

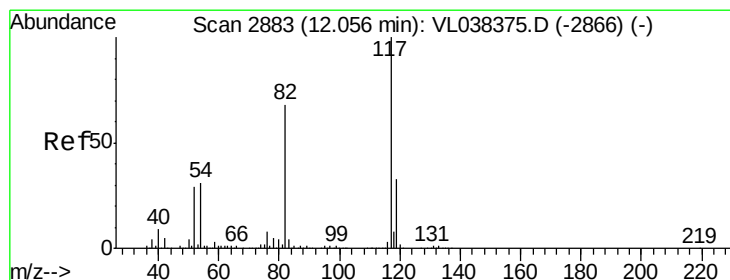
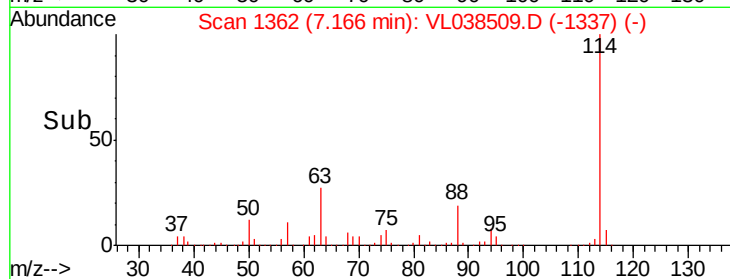
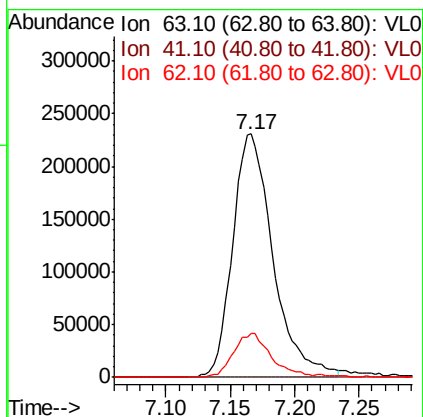
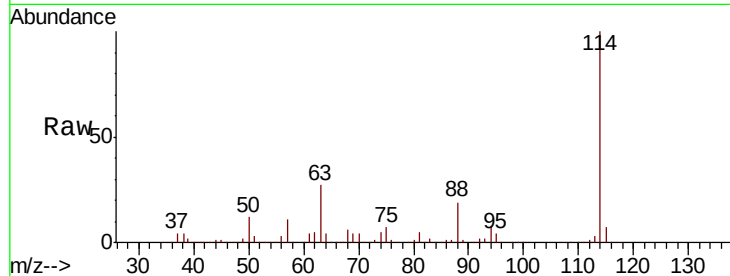
Tgt Ion: 114 Resp: 1838503
Ion Ratio Lower Upper
114 100
63 28.3 22.2 33.2
88 19.1 15.2 22.8





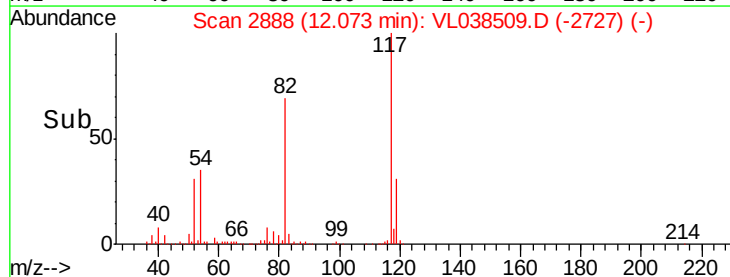
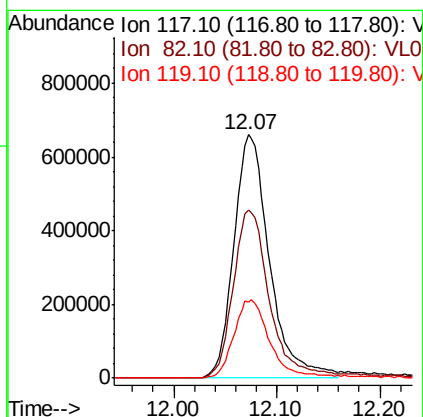
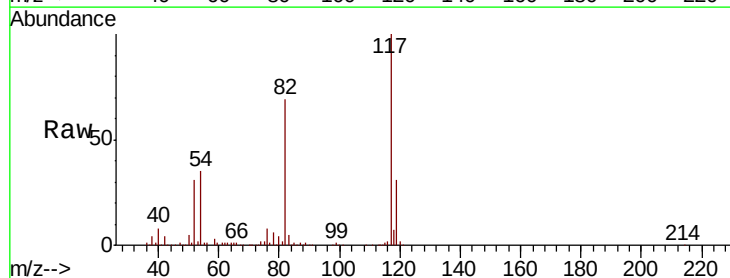
#39
 1,2-Dichloropropane
 Concen: 7.789 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0303ABL01
 Acq: 3 Mar 2022 11:33

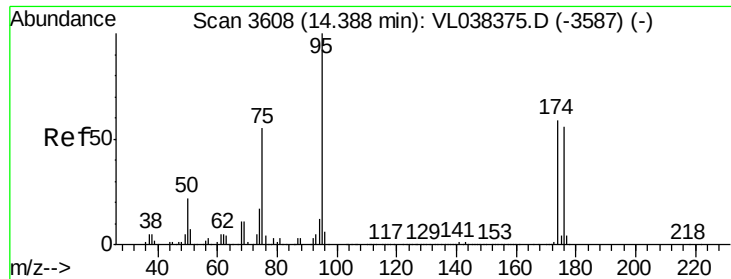
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.2	56.1	84.1#
62	17.8	55.5	83.3#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2888
 Delta R.T. 0.02 min
 Lab File: VL038509.D
 Acq: 3 Mar 2022 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	73.3	54.9	82.3
119	34.0	46.1	69.1#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.961 ppbv

RT: 14.40

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 11:33

Tot Ion: 95 Resp: 1313999

Ion Ratio Lower Upper

95 100

174 59.3 49.0 73.4

175 4.4 3.6 5.4

