

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\
 Data File : VL038515.D
 Acq On : 3 Mar 2022 15:36
 Operator : SY/AP
 Sample : CAN 10669
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 04 04:33:40 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	770057	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	1712173	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1531062	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1256836	9.92	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

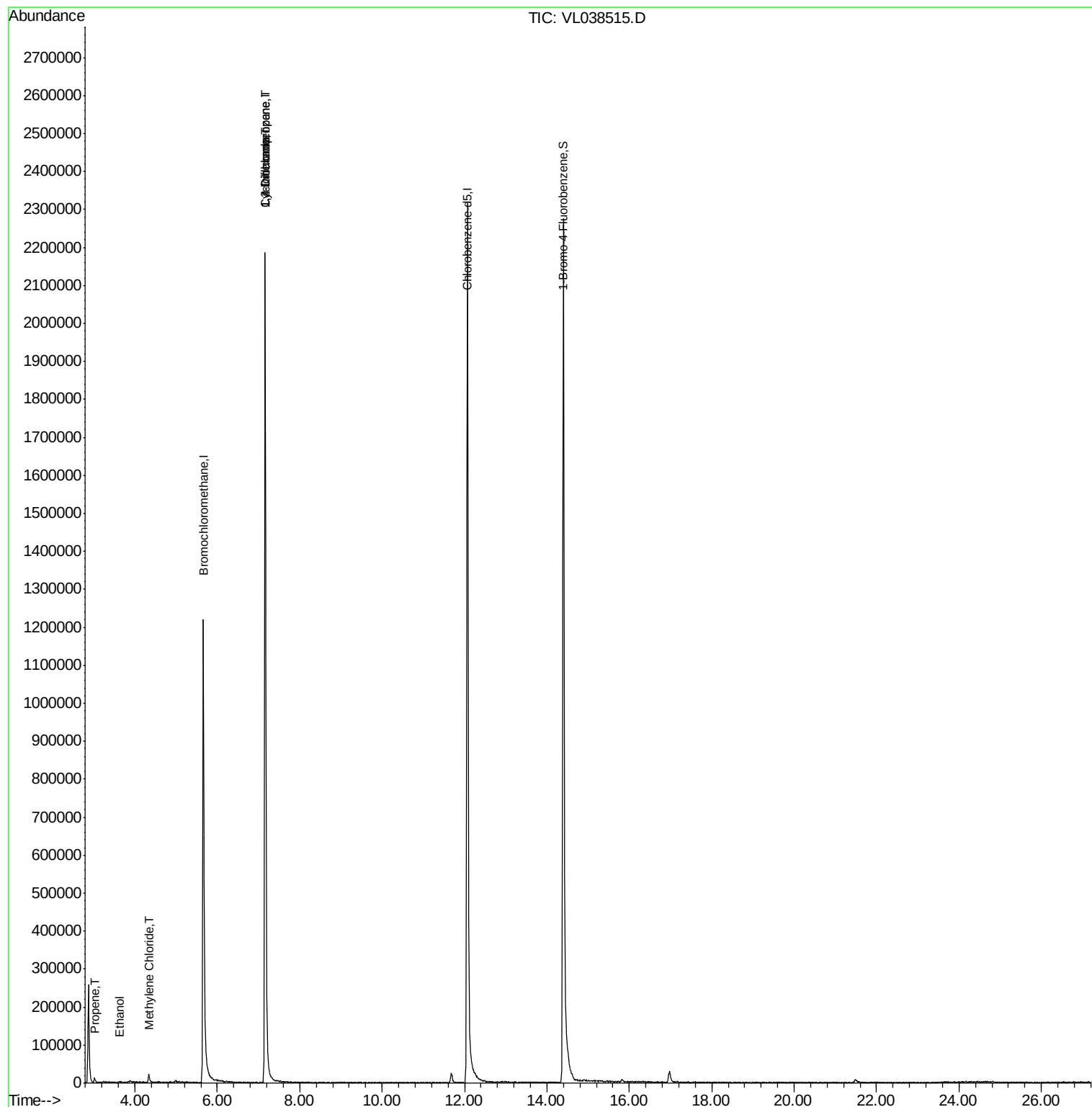
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	1680	0.037	ppbv #	16
13) Ethanol	3.62	45	204	0.046	ppbv #	31
20) Methylene Chloride	4.34	84	7420	0.229	ppbv	94
30) Cyclohexane	7.15	84	3651	0.056	ppbv #	1
39) 1,2-Dichloropropane	7.16	63	489435	8.152	ppbv #	25

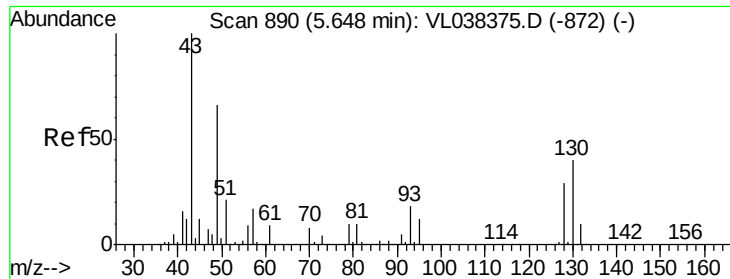
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 15:30

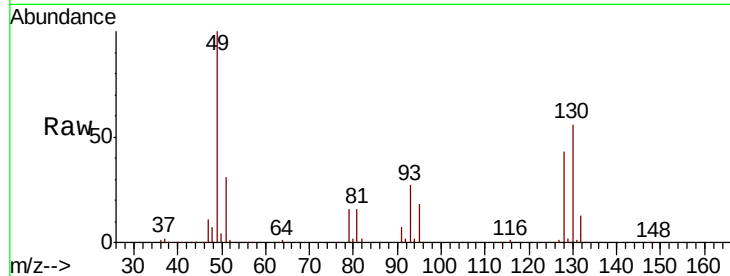
Tot Ion: 49 Resp: 770057

Ion Ratio Lower Upper

49 100

128 45.0 24.3 72.9

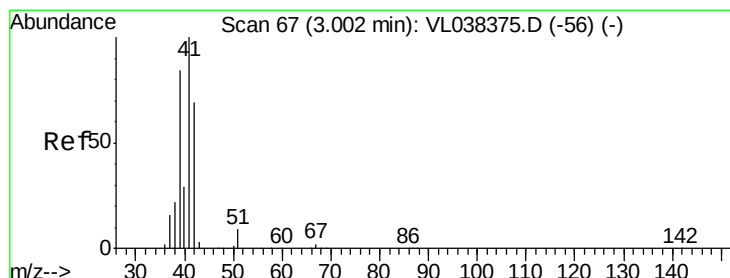
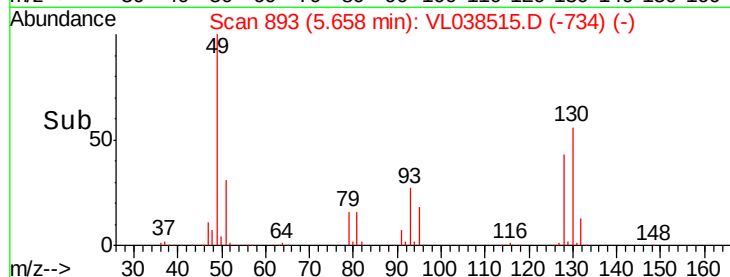
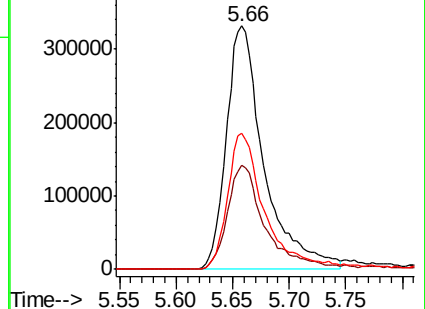
130 57.6 30.1 90.5



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: 0.037 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL038515.D

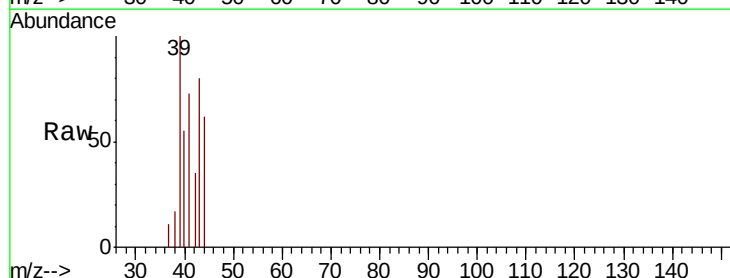
Acq: 3 Mar 2022 15:36

Tgt Ion: 41 Resp: 1680

Ion Ratio Lower Upper

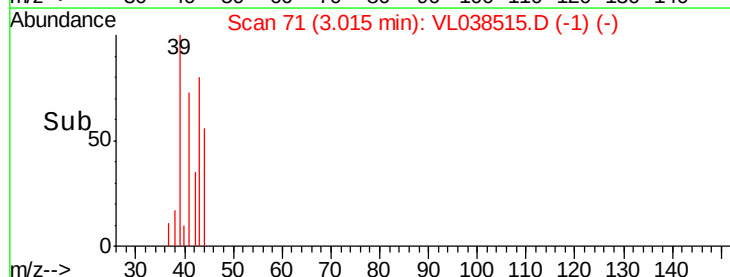
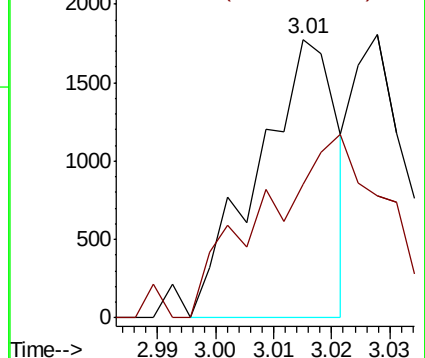
41 100

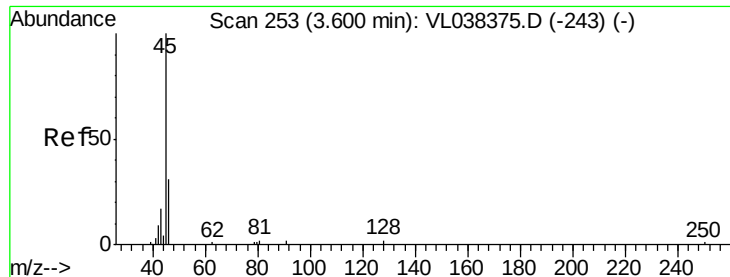
42 0.0 54.6 82.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

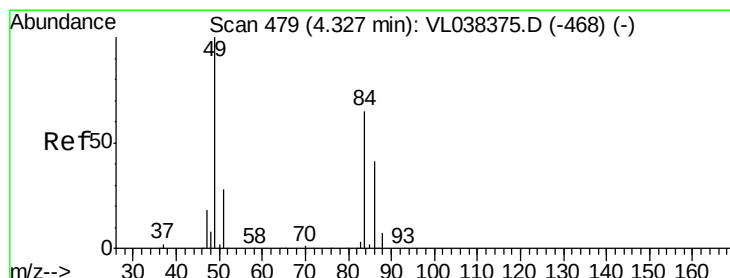
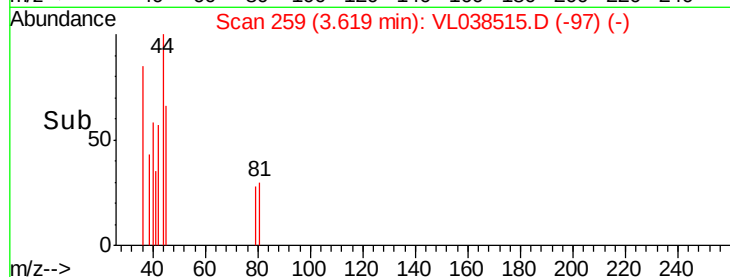
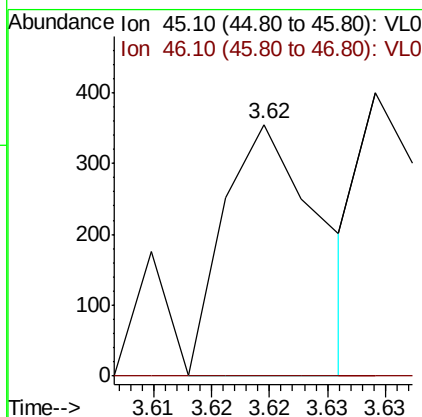
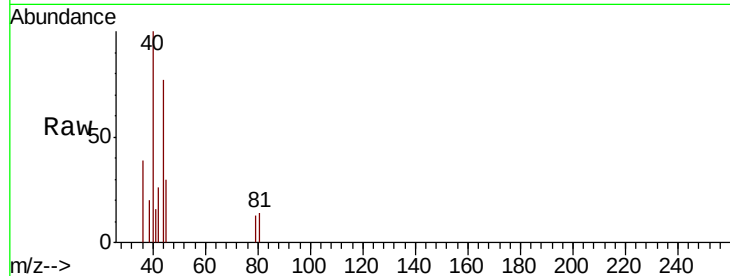
Ion 42.10 (41.80 to 42.80): VL0





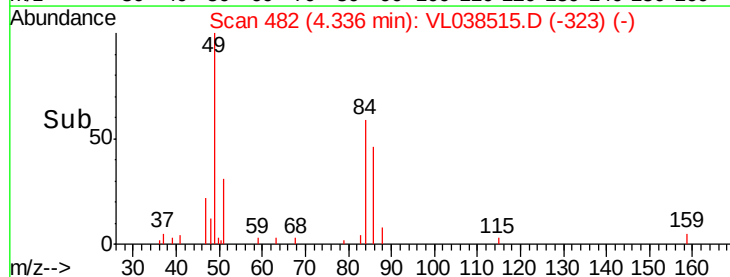
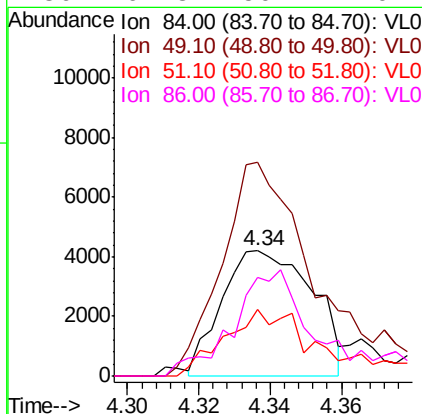
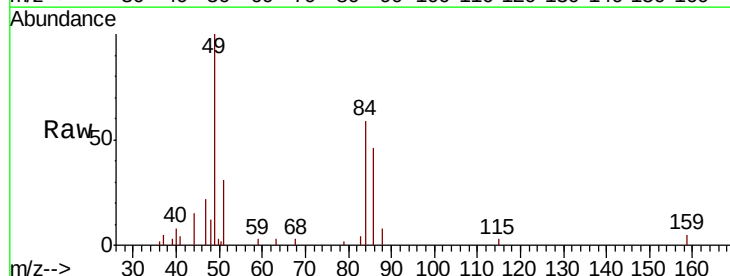
#13
Ethanol
Concen: 0.046 ppbv
RT: 3.62
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 3 Mar 2022 15:30

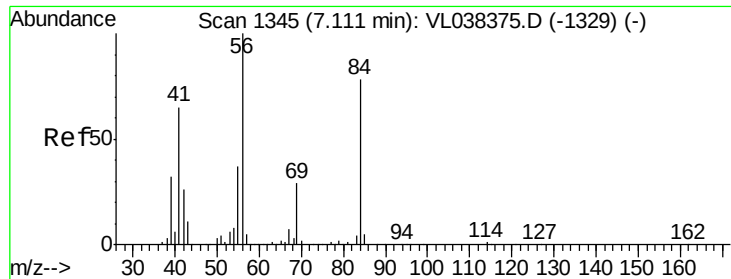
Tot Ion: 45 Resp: 204
Ion Ratio Lower Upper
45 100
46 0.0 18.2 72.8#



#20
Methylene Chloride
Concen: 0.229 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL038515.D
Acq: 3 Mar 2022 15:36

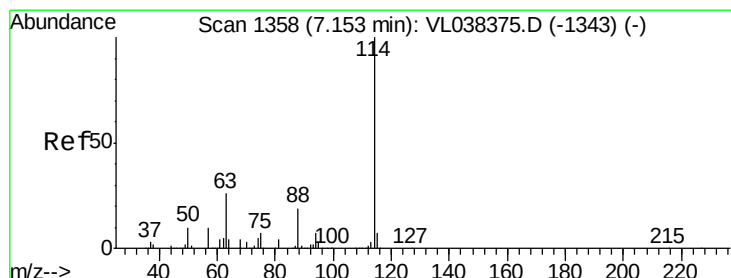
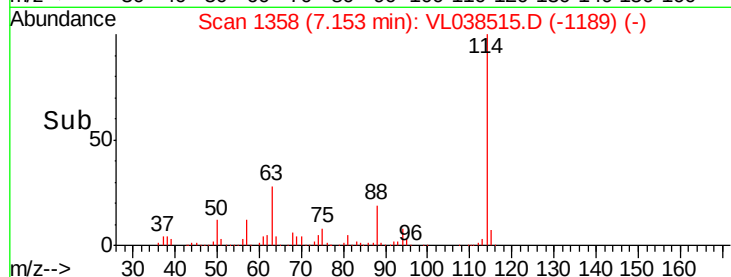
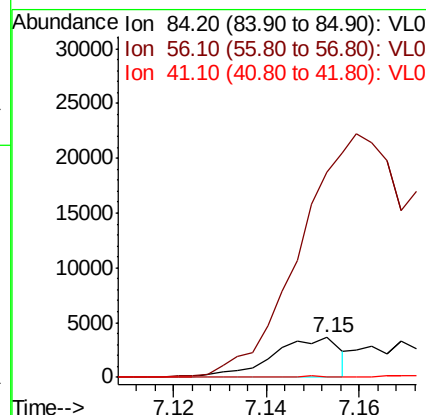
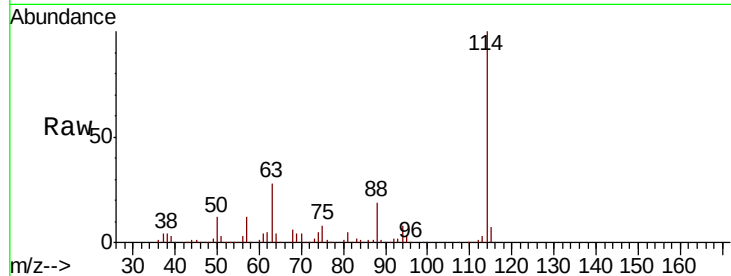
Tgt Ion: 84 Resp: 7420
Ion Ratio Lower Upper
84 100
49 159.7 122.4 183.6
51 48.0 33.3 49.9
86 67.3 50.7 76.1





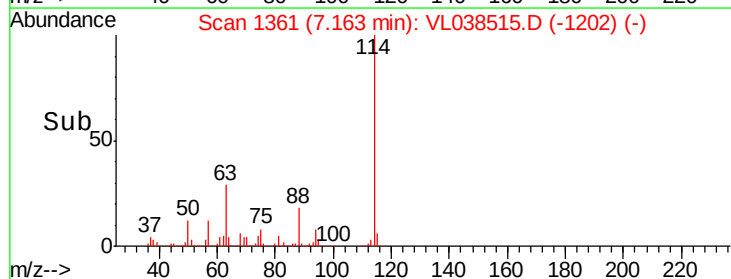
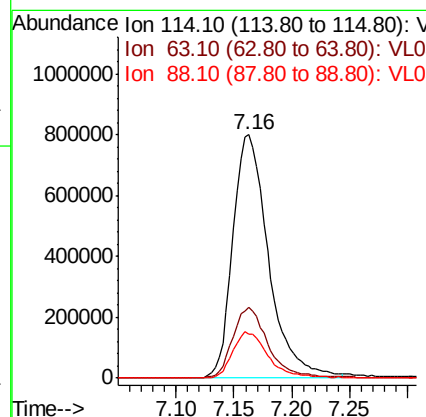
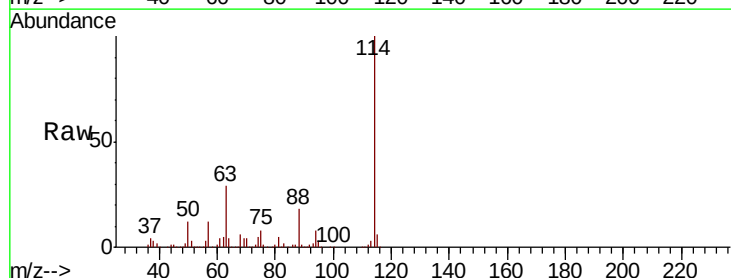
#30
Cvclohexane
Concen: 0.056 ppbv
RT: 7.15 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 3 Mar 2022 15:30

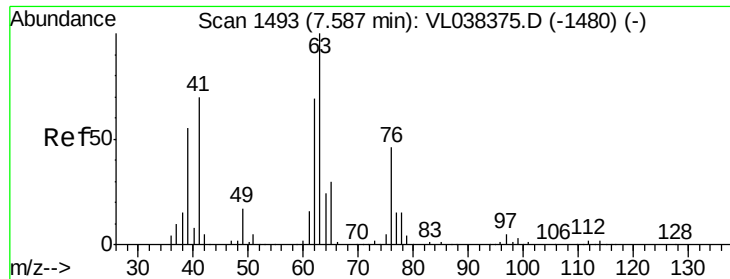
Tot Ion	84	Resp	3651
Ion Ratio	Lower	Upper	
84	100		
56	0.0	116.2	174.4#
41	0.0	74.3	111.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.01 min
Lab File: VL038515.D
Acq: 3 Mar 2022 15:36

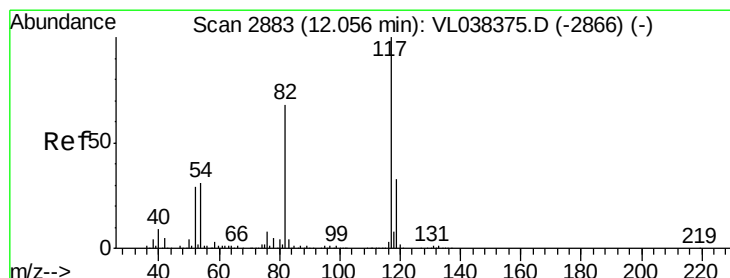
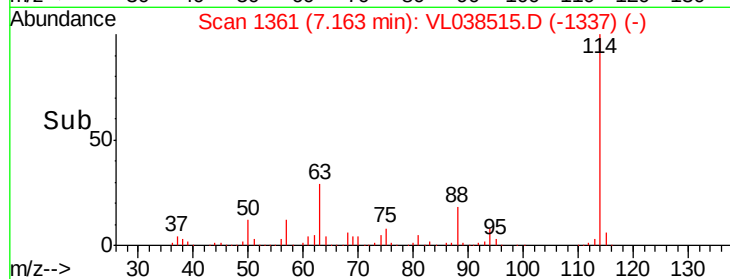
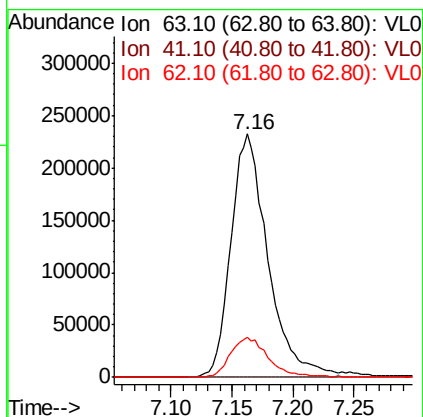
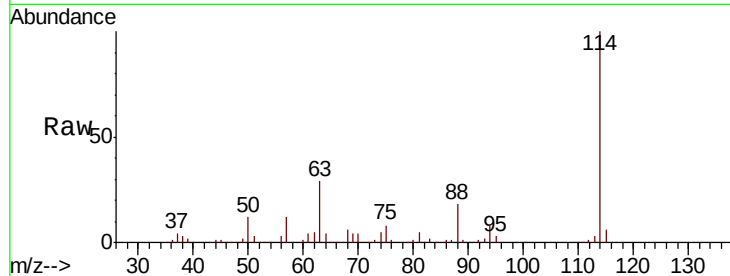
Tgt Ion	114	Resp	1712173
Ion Ratio	Lower	Upper	
114	100		
63	29.1	22.2	33.2
88	19.3	15.2	22.8





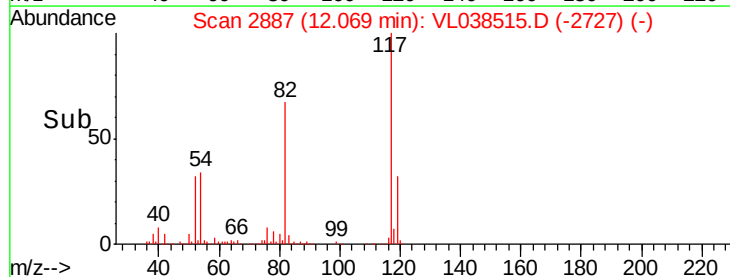
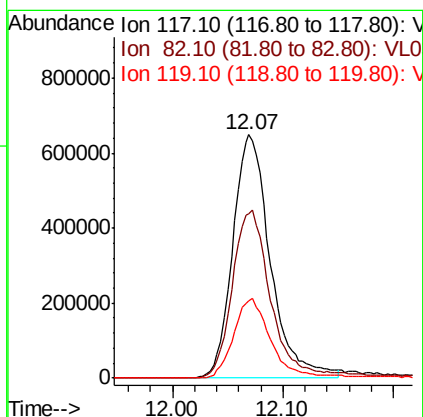
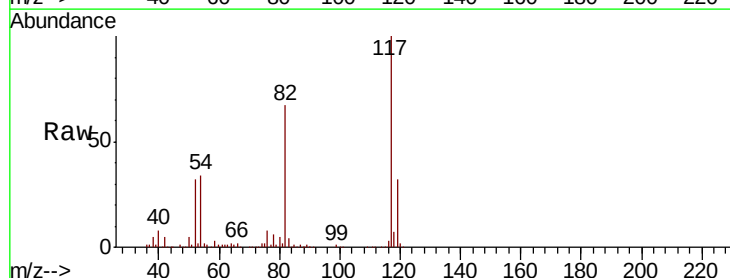
#39
 1,2-Dichloropropane
 Concen: 8.152 ppbv
 RT: 7.16 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 15:36

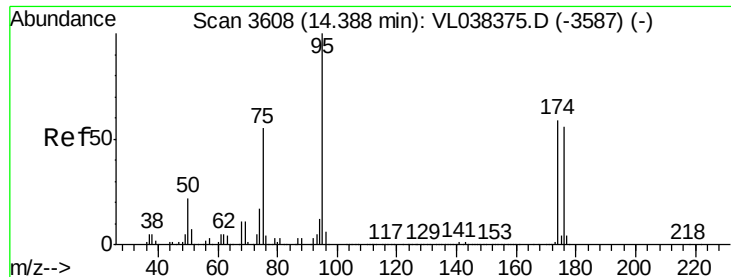
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.1	84.1#
62	16.2	55.5	83.3#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2887
 Delta R.T. 0.01 min
 Lab File: VL038515.D
 Acq: 3 Mar 2022 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
82	72.7	54.9	82.3
119	33.2	46.1	69.1#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.921 ppbv

RT: 14.40

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 15:30

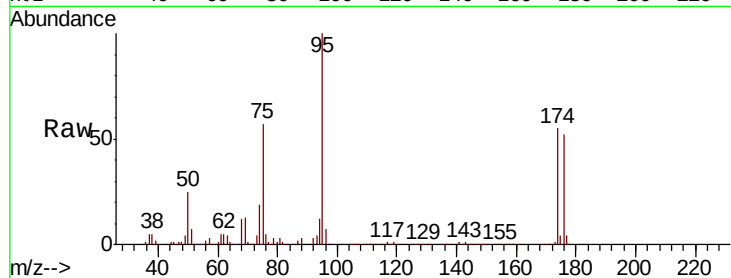
Tot Ion: 95 Resp: 1256836

Ion Ratio Lower Upper

95 100

174 60.0 49.0 73.4

175 4.4 3.6 5.4



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

