

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122121\
 Data File : VL038220.D
 Acq On : 21 Dec 2021 18:24
 Operator : SY/AP
 Sample : VL1221ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 22 08:28:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL122121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Dec 21 17:47:08 2021
 QLast Update : Tue Dec 21 17:47:08 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	789773	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2251712	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2027393	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1502151	9.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.10%

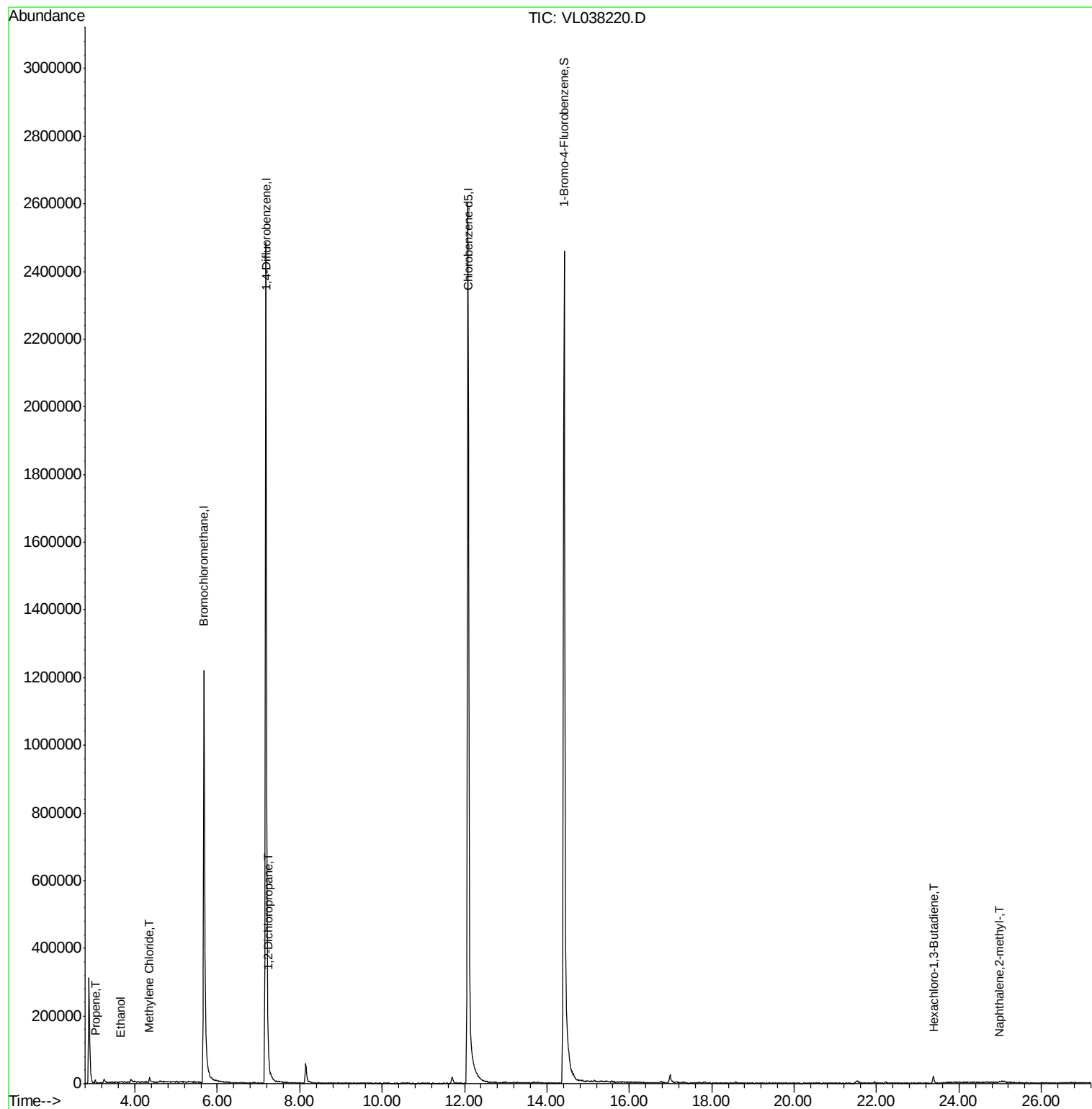
Target Compounds					Ovalue
9) Propene	3.03	41	2456	0.043	ppbv 92
13) Ethanol	3.65	45	761	0.078	ppbv # 100
20) Methylene Chloride	4.36	84	4294	0.096	ppbv # 77
39) 1,2-Dichloropropane	7.23	63	9541	0.118	ppbv # 25
78) Hexachloro-1,3-Butadiene	23.38	225	3969	0.046	ppbv # 47
80) Naphthalene,2-methyl-	24.99	142	1630	0.059	ppbv # 71

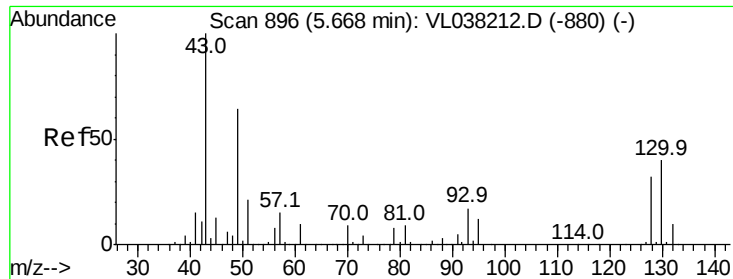
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL122121\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Dec 2021 18:24

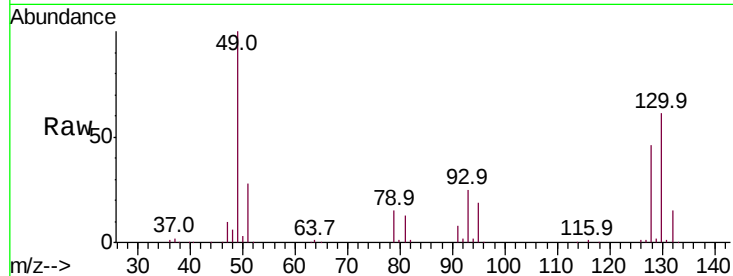
Tot Ion: 49 Resp: 789773

Ion Ratio Lower Upper

49 100

128 50.1 26.9 80.6

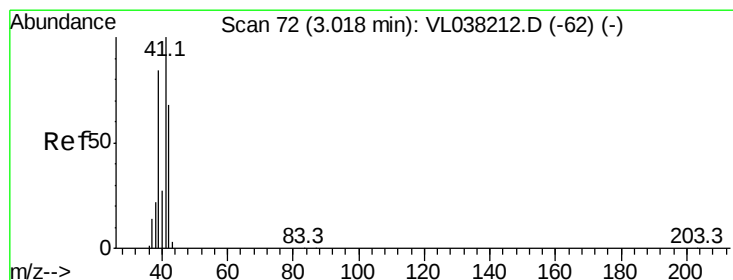
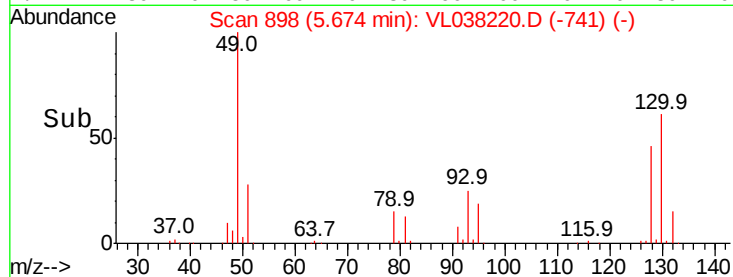
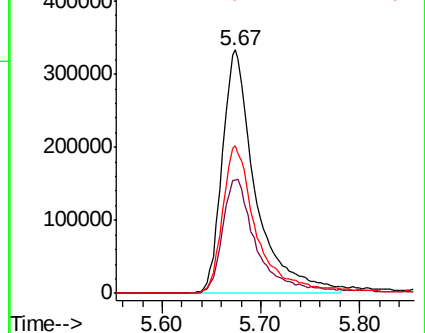
130 63.5 32.3 96.9



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: 0.043 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.02 min

Lab File: VL038220.D

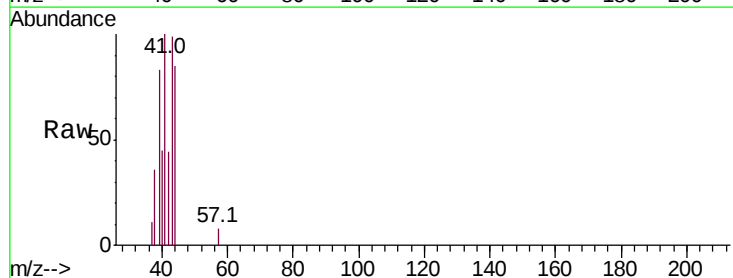
Acq: 21 Dec 2021 18:24

Tgt Ion: 41 Resp: 2456

Ion Ratio Lower Upper

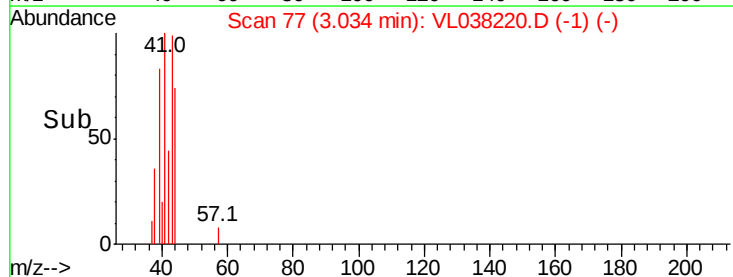
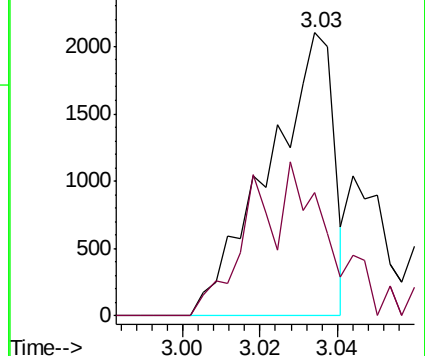
41 100

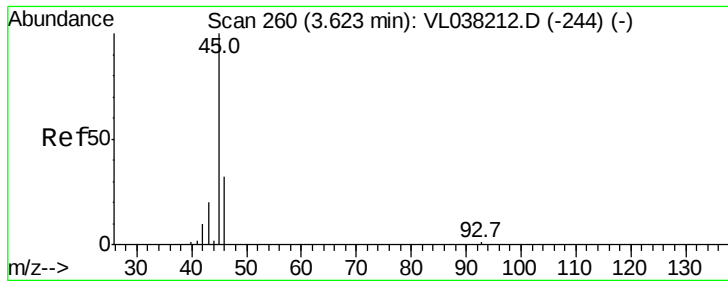
42 63.2 55.5 83.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

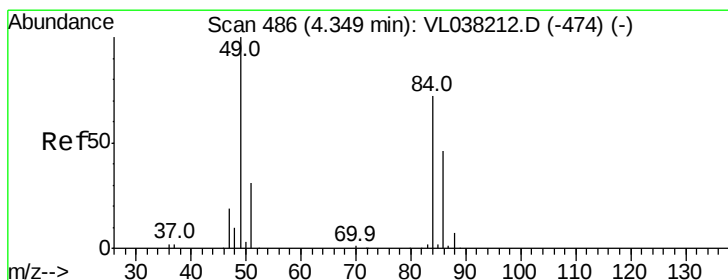
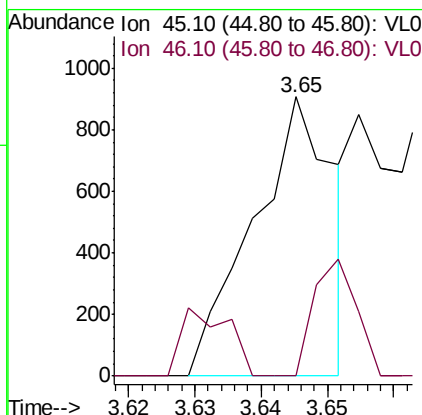
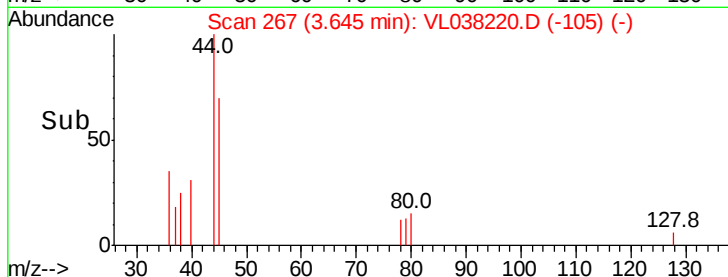
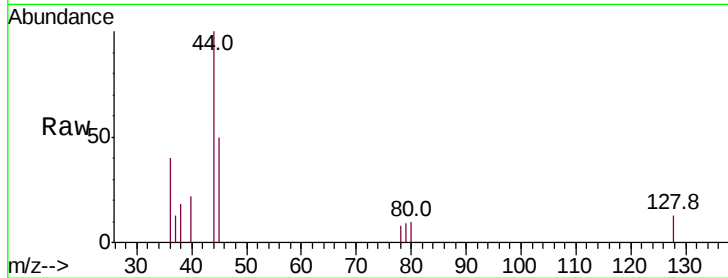
Ion 42.10 (41.80 to 42.80): VL0





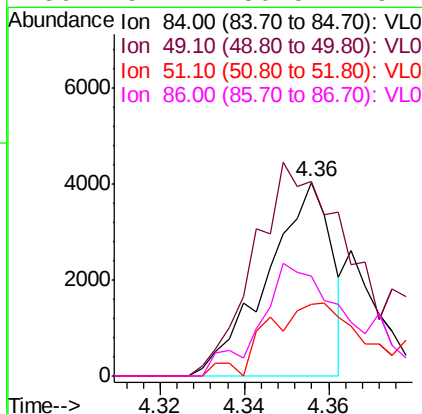
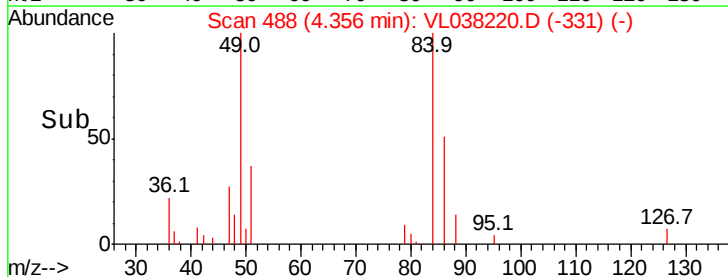
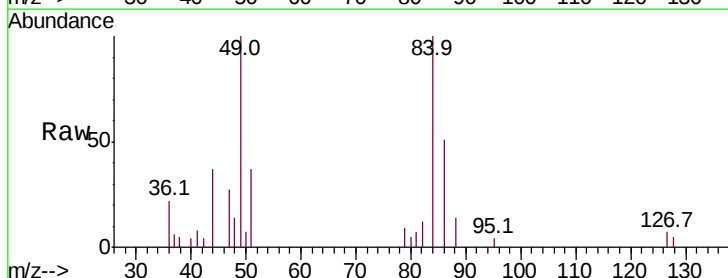
#13
Ethanol
Concen: 0.078 ppbv
RT: 3.65
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 21 Dec 2021 18:24

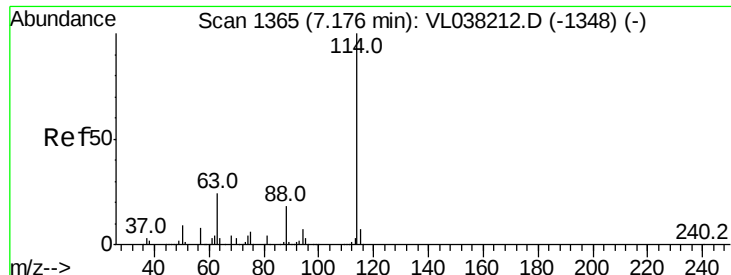
Tot Ion: 45 Resp: 761
Ion Ratio Lower Upper
45 100
46 14.3 0.0 0.0#



#20
Methylene Chloride
Concen: 0.096 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.01 min
Lab File: VL038220.D
Acq: 21 Dec 2021 18:24

Tgt Ion: 84 Resp: 4294
Ion Ratio Lower Upper
84 100
49 100.5 110.6 166.0#
51 36.9 34.2 51.2
86 51.7 50.5 75.7

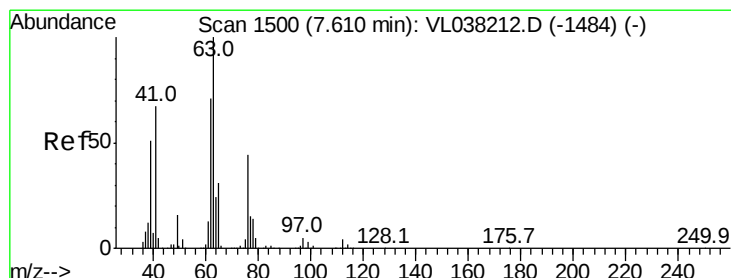
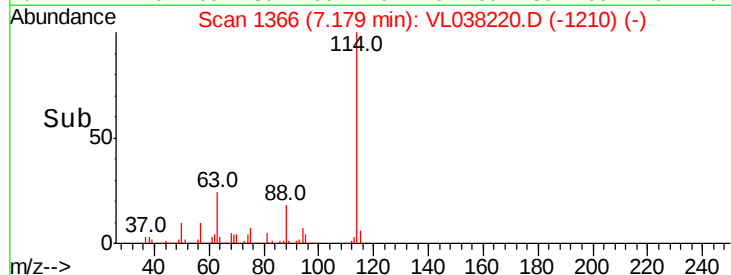
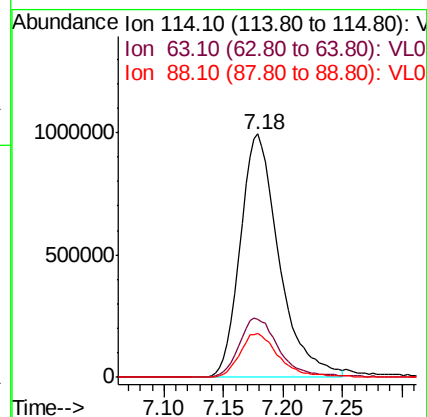
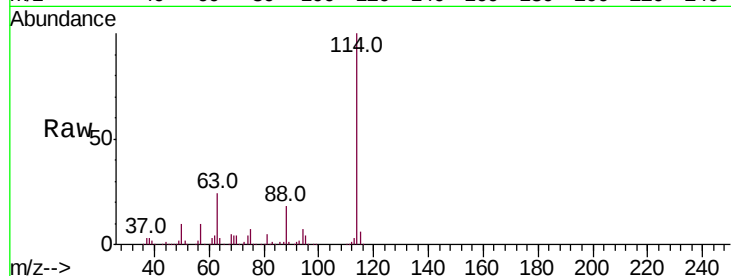




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 21 Dec 2021 18:24

Tot Ion: 114 Resp: 2251712

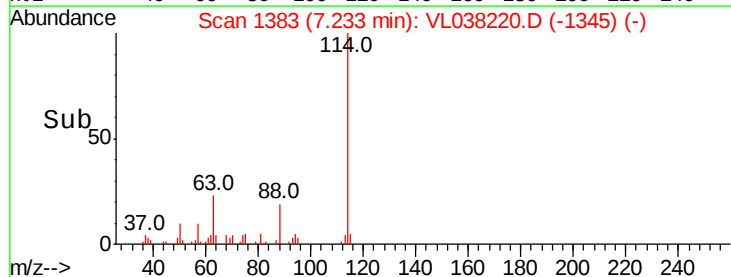
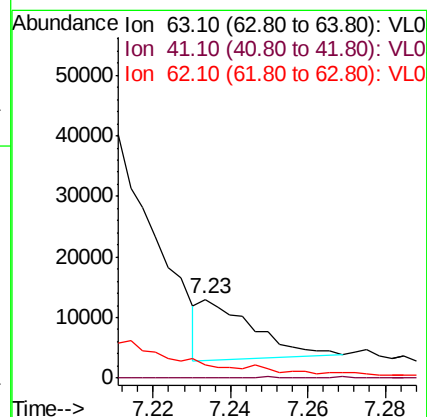
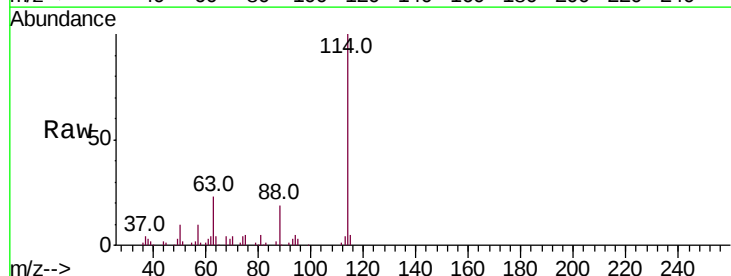
Ion	Ratio	Lower	Upper
114	100		
63	25.5	19.7	29.5
88	18.6	14.3	21.5

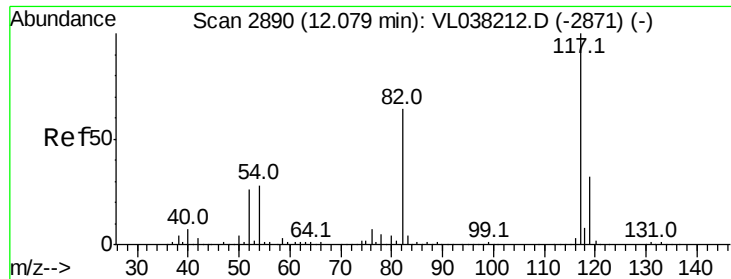


#39
 1,2-Dichloropropane
 Concen: 0.118 ppbv
 RT: 7.23 min Scan# 1383
 Delta R.T.: -0.38 min
 Lab File: VL038220.D
 Acq: 21 Dec 2021 18:24

Tgt Ion: 63 Resp: 9541

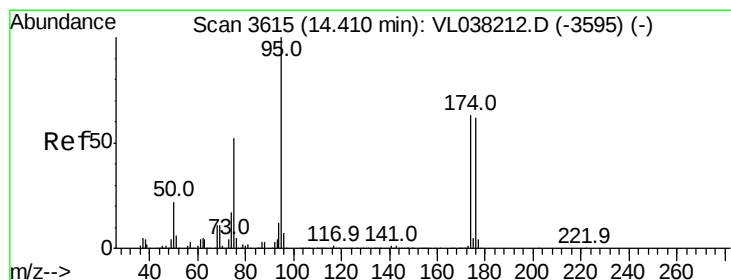
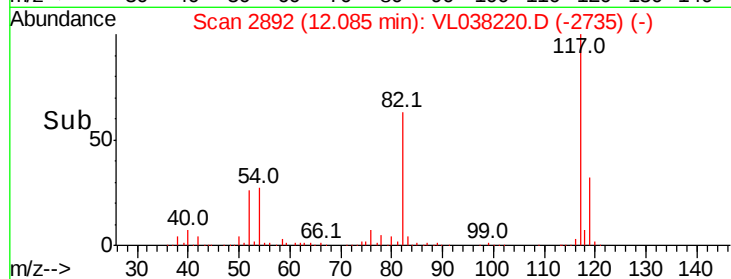
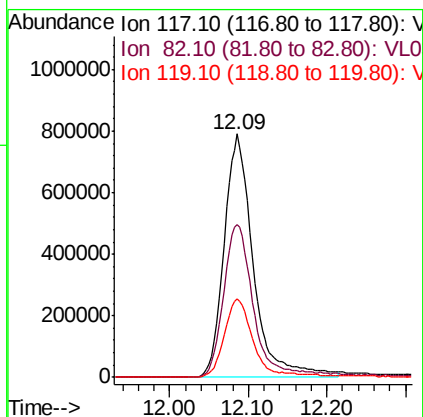
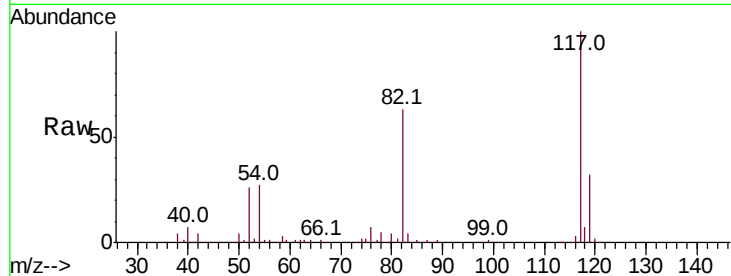
Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.4	80.2#
62	15.6	56.5	84.7#





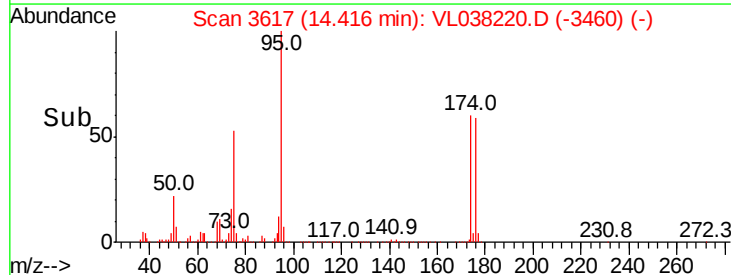
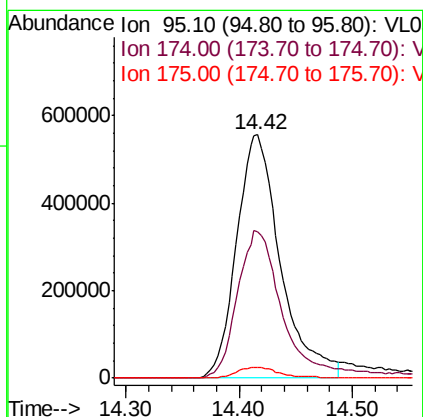
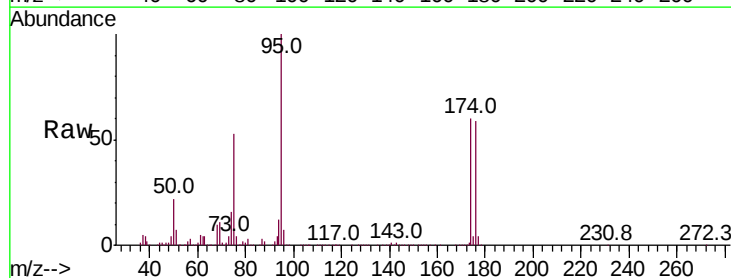
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 21 Dec 2021 18:24

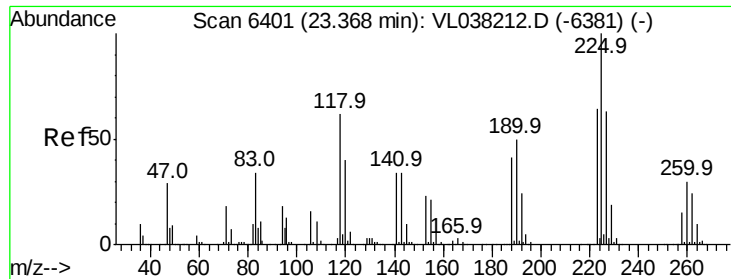
Tot Ion: 117 Resp: 2027393
 Ion Ratio Lower Upper
 117 100
 82 67.5 53.3 79.9
 119 32.9 25.5 38.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.615 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T.: 0.01 min
 Lab File: VL038220.D
 Acq: 21 Dec 2021 18:24

Tgt Ion: 95 Resp: 1502151
 Ion Ratio Lower Upper
 95 100
 174 65.3 54.6 81.8
 175 4.7 4.1 6.1





#78

Hexachloro-1,3-Butadiene

Concen: 0.046 ppbv

RT: 23.38 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Dec 2021 18:24

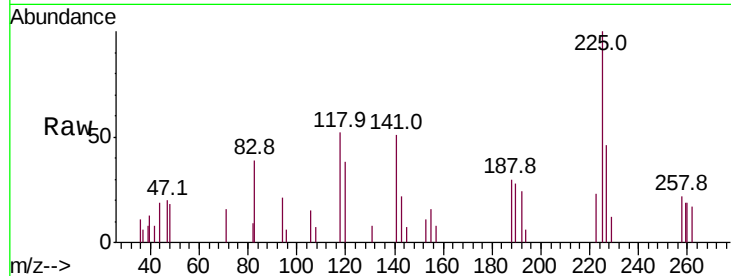
Tot Ion: 225 Resp: 3969

Ion Ratio Lower Upper

225 100

223 82.9 51.5 77.3#

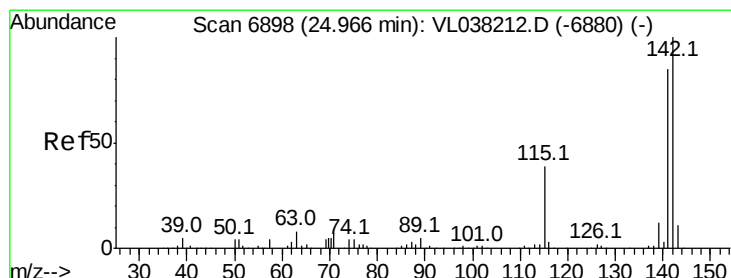
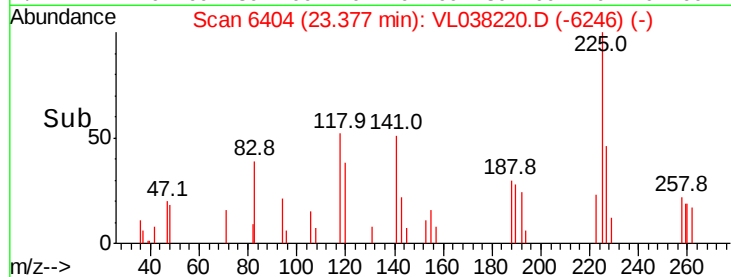
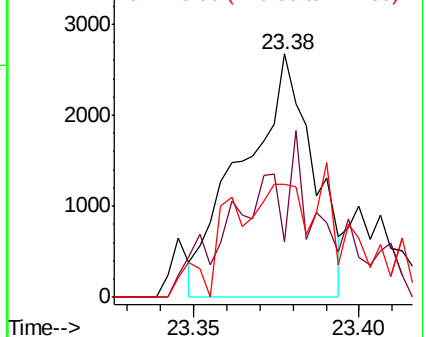
227 0.0 51.9 77.9#



Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V



#80

Naphthalene, 2-methyl-

Concen: 0.059 ppbv

RT: 24.99 min Scan# 6907

Delta R.T. 0.03 min

Lab File: VL038220.D

Acq: 21 Dec 2021 18:24

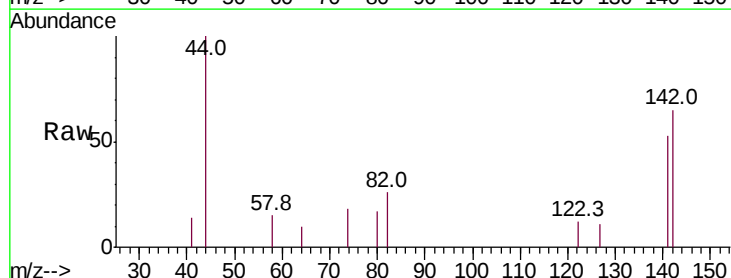
Tgt Ion: 142 Resp: 1630

Ion Ratio Lower Upper

142 100

141 48.9 66.7 100.1#

115 31.9 29.4 44.0



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

