

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038150.D
 Acq On : 7 Dec 2021 14:49
 Operator : SY/AP
 Sample : M4827-02DL2 100X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 08 02:01:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	852919	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2283635	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	1947226	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1579211	11.24	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.40%

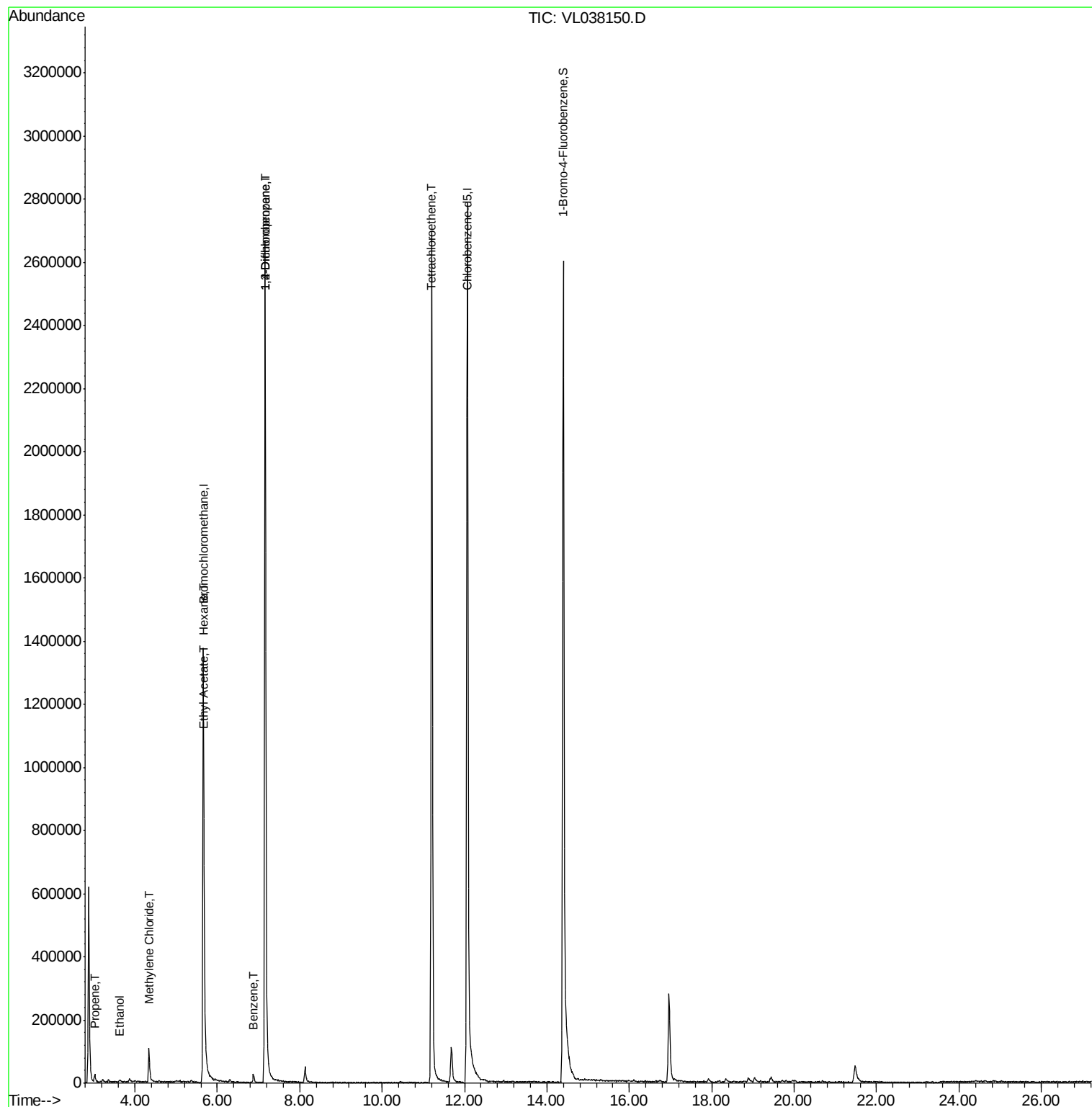
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	2896	0.044	ppbv #	1
13) Ethanol	3.62	45	2342	0.367	ppbv #	32
20) Methylene Chloride	4.34	84	39748	0.960	ppbv	92
25) Ethyl Acetate	5.68	43	14568	0.059	ppbv #	78
26) Hexane	5.67	57	8970	0.076	ppbv #	1
36) Benzene	6.88	78	13150	0.058	ppbv #	91
39) 1,2-Dichloropropane	7.16	63	603474	6.906	ppbv #	27
52) Tetrachloroethene	11.20	164	703228	8.343	ppbv	98

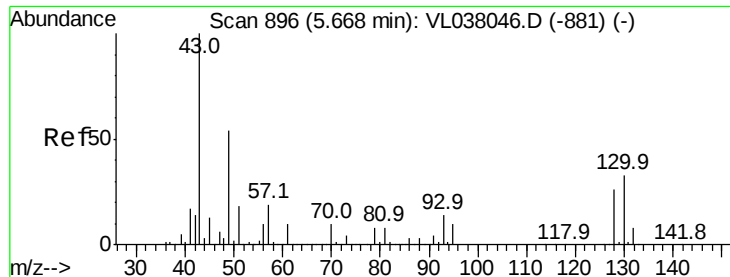
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 7 Dec 2021 14:49

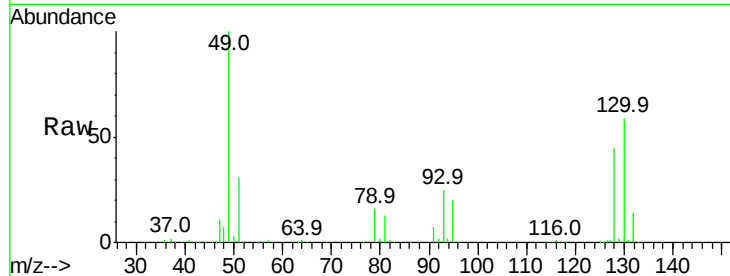
Tot Ion: 49 Resp: 852919

Ion Ratio Lower Upper

49 100

128 47.6 26.5 79.5

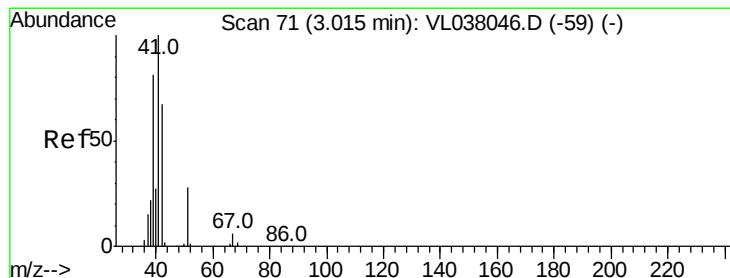
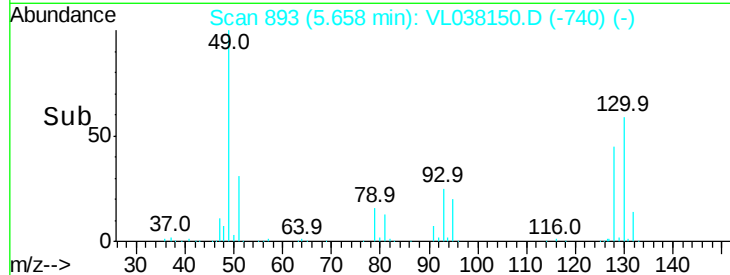
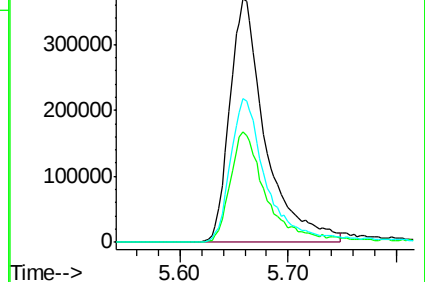
130 61.1 32.5 97.4



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: 0.044 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL038150.D

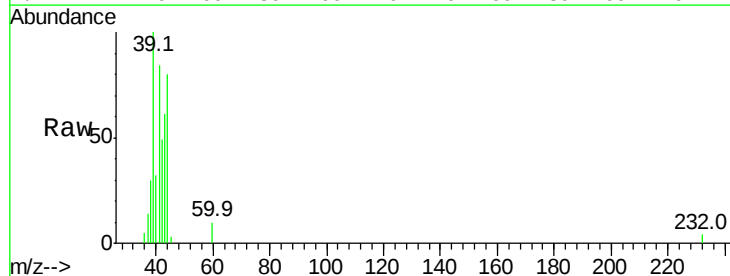
Acq: 7 Dec 2021 14:49

Tgt Ion: 41 Resp: 2896

Ion Ratio Lower Upper

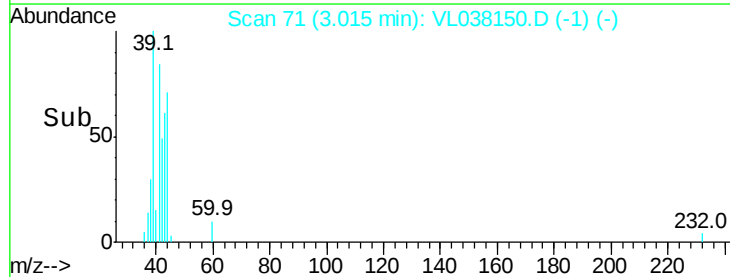
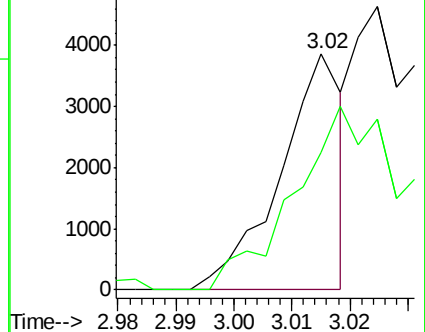
41 100

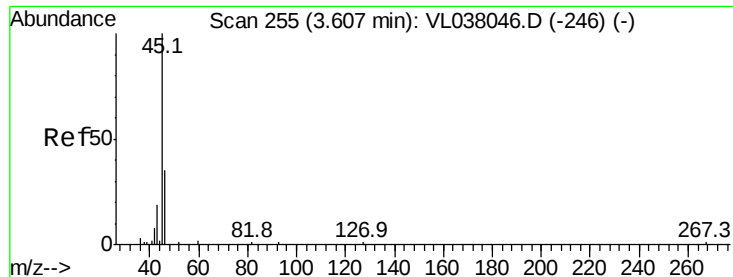
42 155.1 53.8 80.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

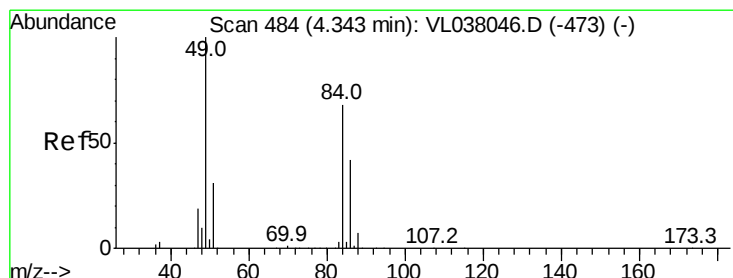
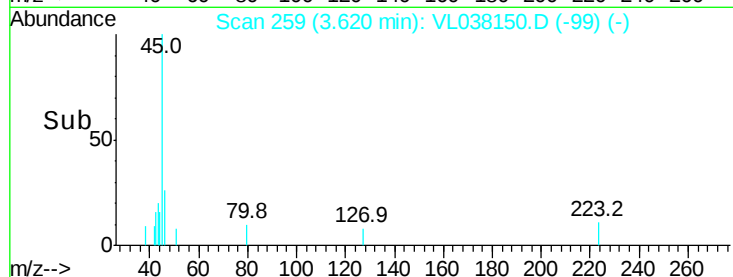
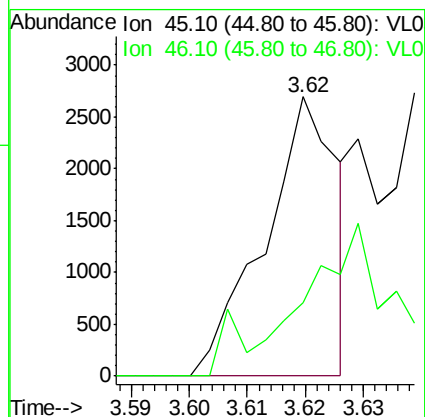
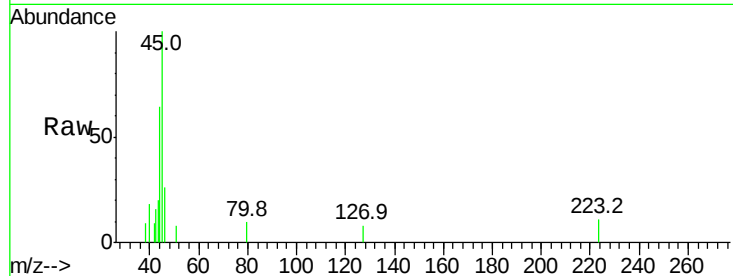
Ion 42.10 (41.80 to 42.80): VL0





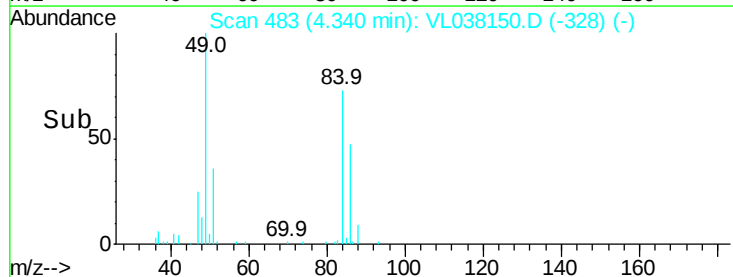
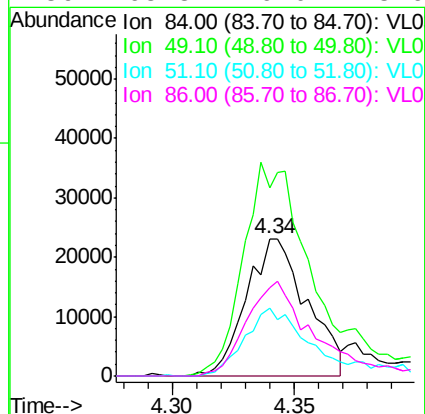
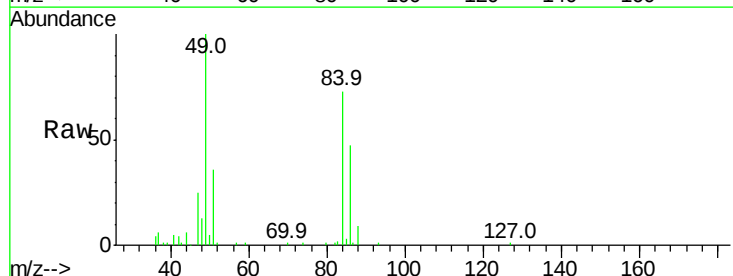
#13
Ethanol
Concen: 0.367 ppbv
RT: 3.62
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Dec 2021 14:49

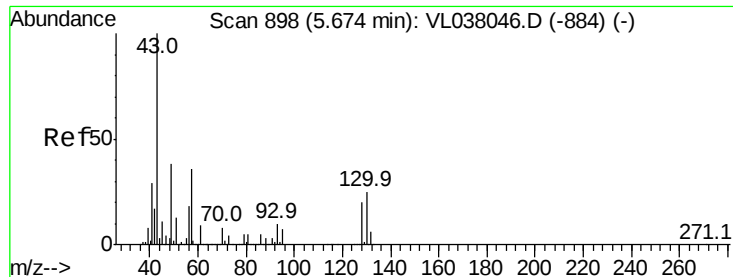
Tot Ion: 45 Resp: 2342
Ion Ratio Lower Upper
45 100
46 0.0 17.6 70.2#



#20
Methylene Chloride
Concen: 0.960 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL038150.D
Acq: 7 Dec 2021 14:49

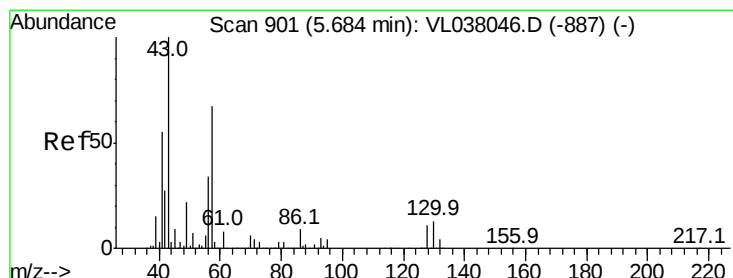
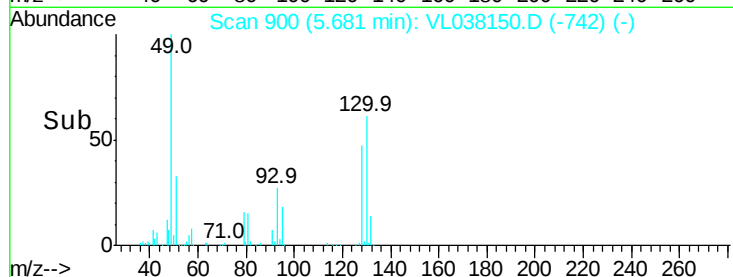
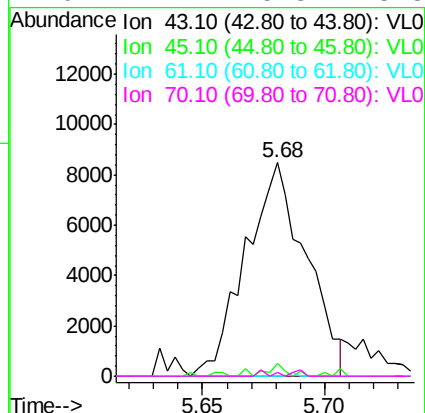
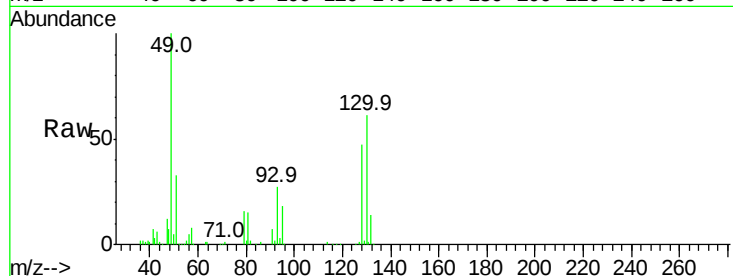
Tgt Ion: 84 Resp: 39748
Ion Ratio Lower Upper
84 100
49 135.9 118.2 177.2
51 50.2 36.8 55.2
86 65.8 49.0 73.6





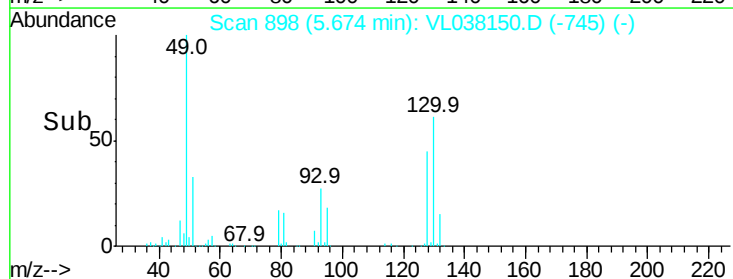
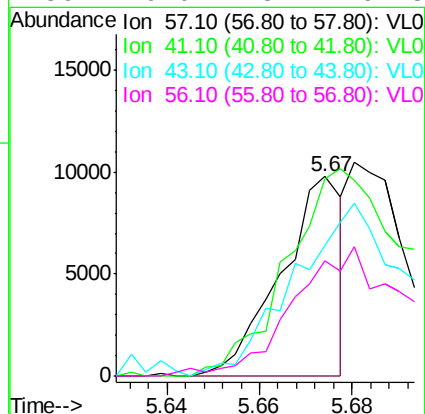
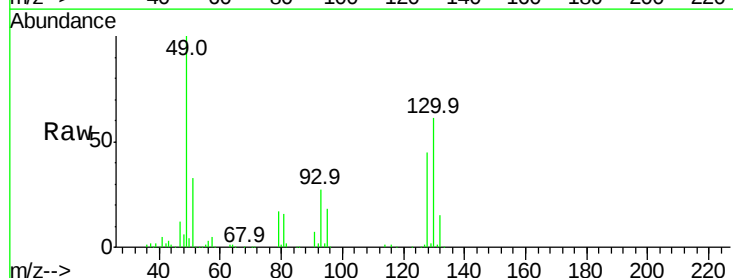
#25
Ethyl Acetate
Concen: 0.059 ppbv
RT: 5.68 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Dec 2021 14:49

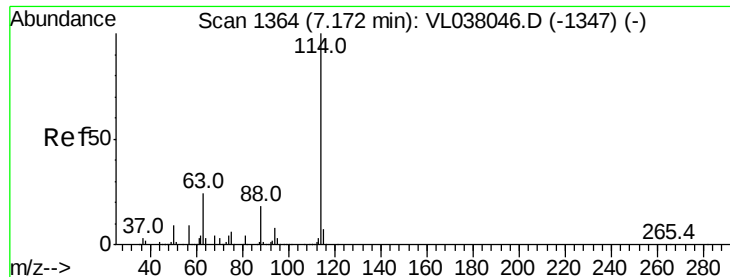
Tot Ion:	43	Resp:	14568
Ion	Ratio	Lower	Upper
43	100		
45	2.4	7.9	11.9#
61	0.2	7.8	11.6#
70	1.1	5.8	8.8#



#26
Hexane
Concen: 0.076 ppbv
RT: 5.67 min Scan# 898
Delta R.T.: -0.01 min
Lab File: VL038150.D
Acq: 7 Dec 2021 14:49

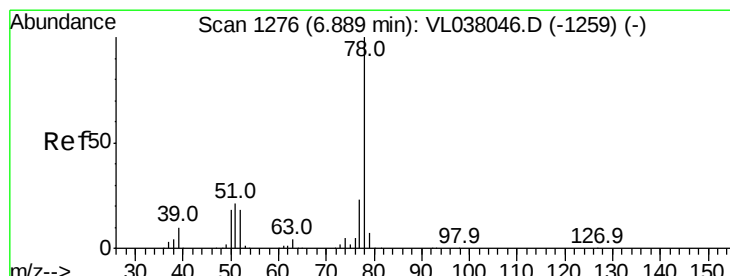
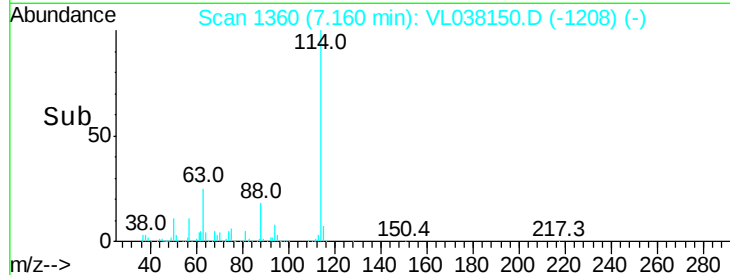
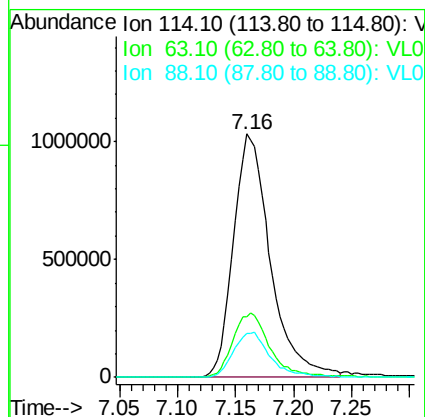
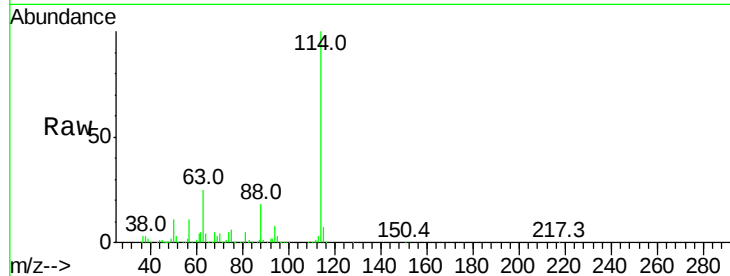
Tgt Ion:	57	Resp:	8970
Ion	Ratio	Lower	Upper
57	100		
41	0.0	71.4	107.2#
43	0.0	174.6	261.8#
56	0.0	43.2	64.8#





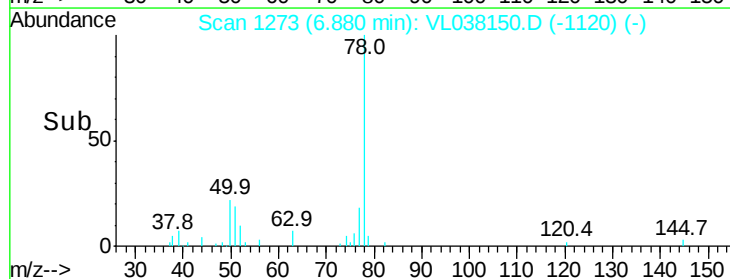
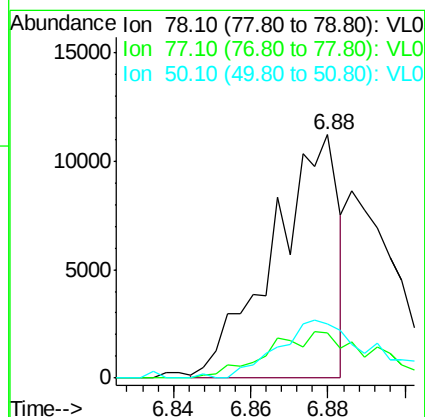
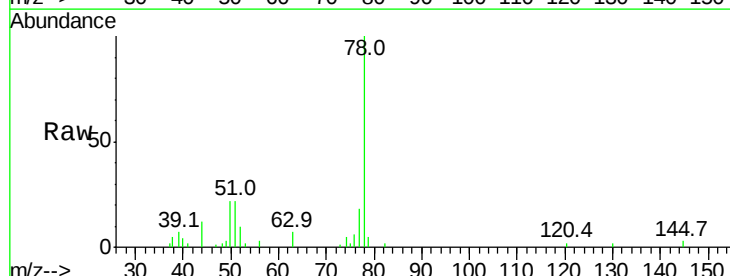
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Dec 2021 14:49

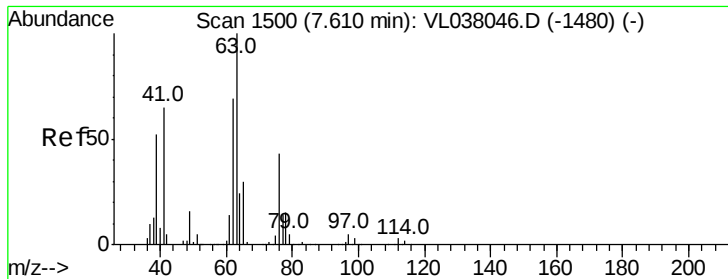
Tot Ion:114 Resp: 2283635
 Ion Ratio Lower Upper
 114 100
 63 27.1 19.7 29.5
 88 18.8 14.4 21.6



#36
 Benzene
 Concen: 0.058 ppbv
 RT: 6.88 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VL038150.D
 Acq: 7 Dec 2021 14:49

Tgt Ion: 78 Resp: 13150
 Ion Ratio Lower Upper
 78 100
 77 18.7 18.2 27.4
 50 22.4 14.7 22.1#





#39

1,2-Dichloropropane

Concen: 6.906 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 14:49

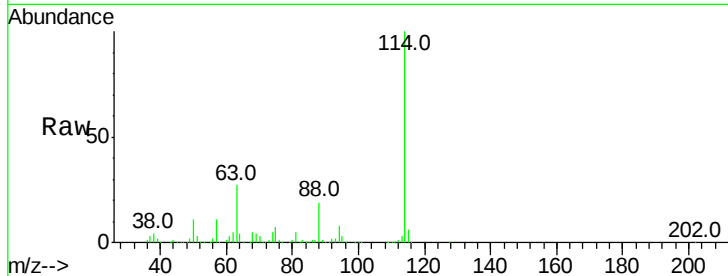
Tot Ion: 63 Resp: 603474

Ion Ratio Lower Upper

63 100

41 0.0 52.3 78.5#

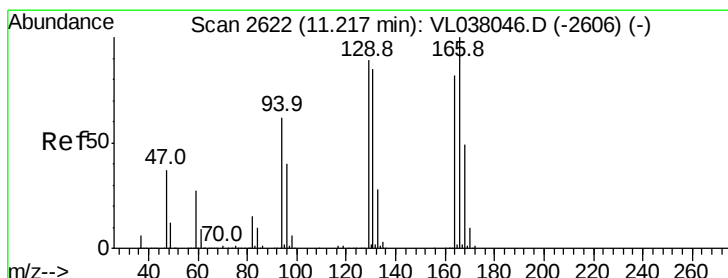
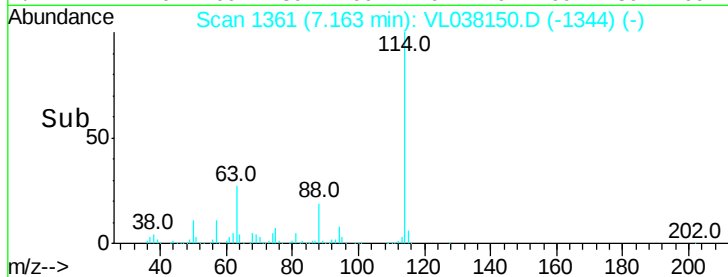
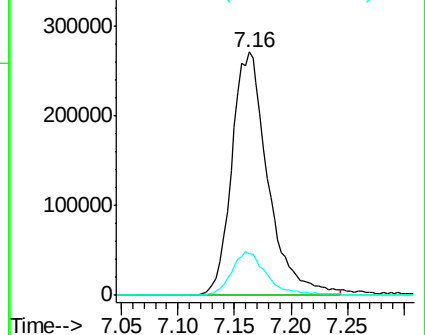
62 17.3 55.1 82.7#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#52

Tetrachloroethene

Concen: 8.343 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. -0.02 min

Lab File: VL038150.D

Acq: 7 Dec 2021 14:49

Tgt Ion:164 Resp: 703228

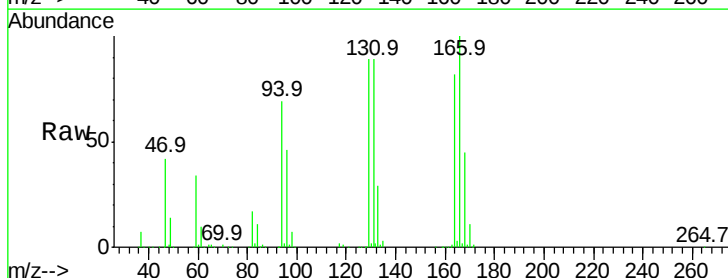
Ion Ratio Lower Upper

164 100

166 122.3 97.2 145.8

129 109.1 86.9 130.3

131 109.0 82.8 124.2

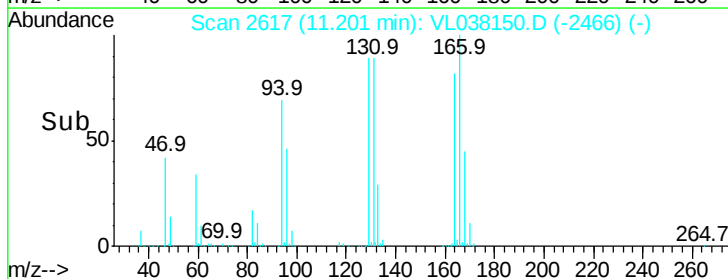
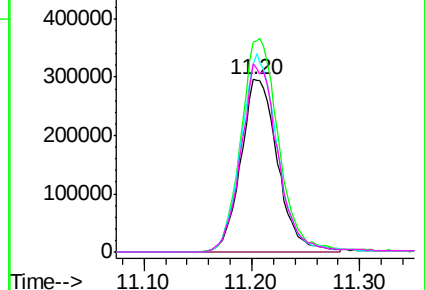


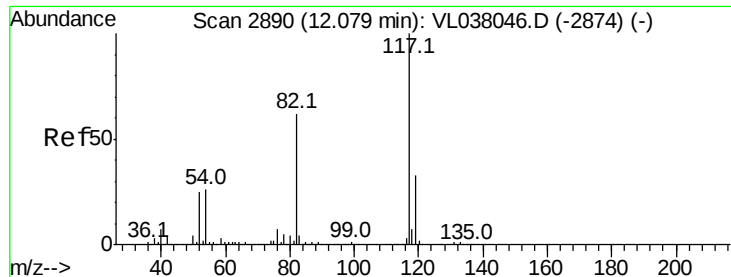
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

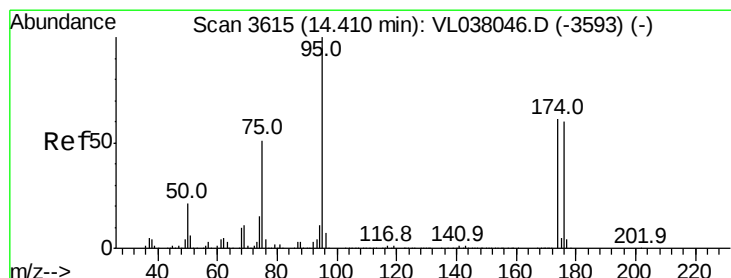
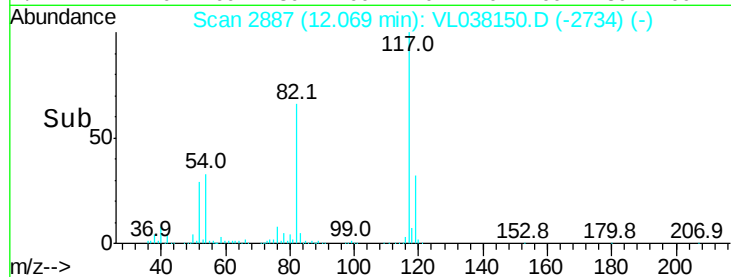
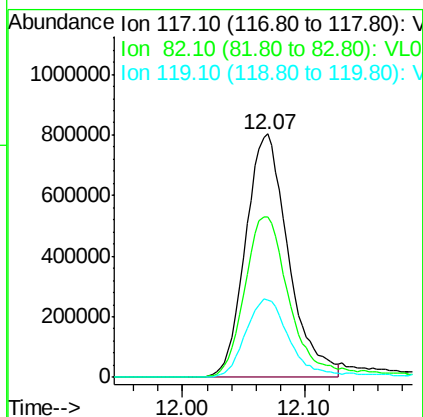
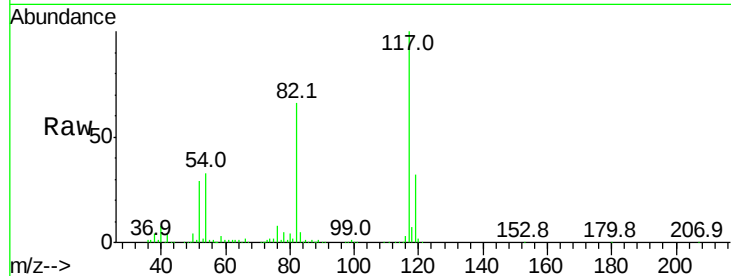
Ion 131.00 (130.70 to 131.70): V





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 7 Dec 2021 14:49

Tot Ion: 117 Resp: 1947226
 Ion Ratio Lower Upper
 117 100
 82 72.2 52.8 79.2
 119 35.2 26.8 40.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.243 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T.: -0.01 min
 Lab File: VL038150.D
 Acq: 7 Dec 2021 14:49

Tgt Ion: 95 Resp: 1579211
 Ion Ratio Lower Upper
 95 100
 174 61.8 53.1 79.7
 175 4.5 4.0 6.0

