

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038075.D
 Acq On : 19 Nov 2021 6:00
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Nov 22 05:25:18 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	5.65	49	750377	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	2164144	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	1852806	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1328561	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

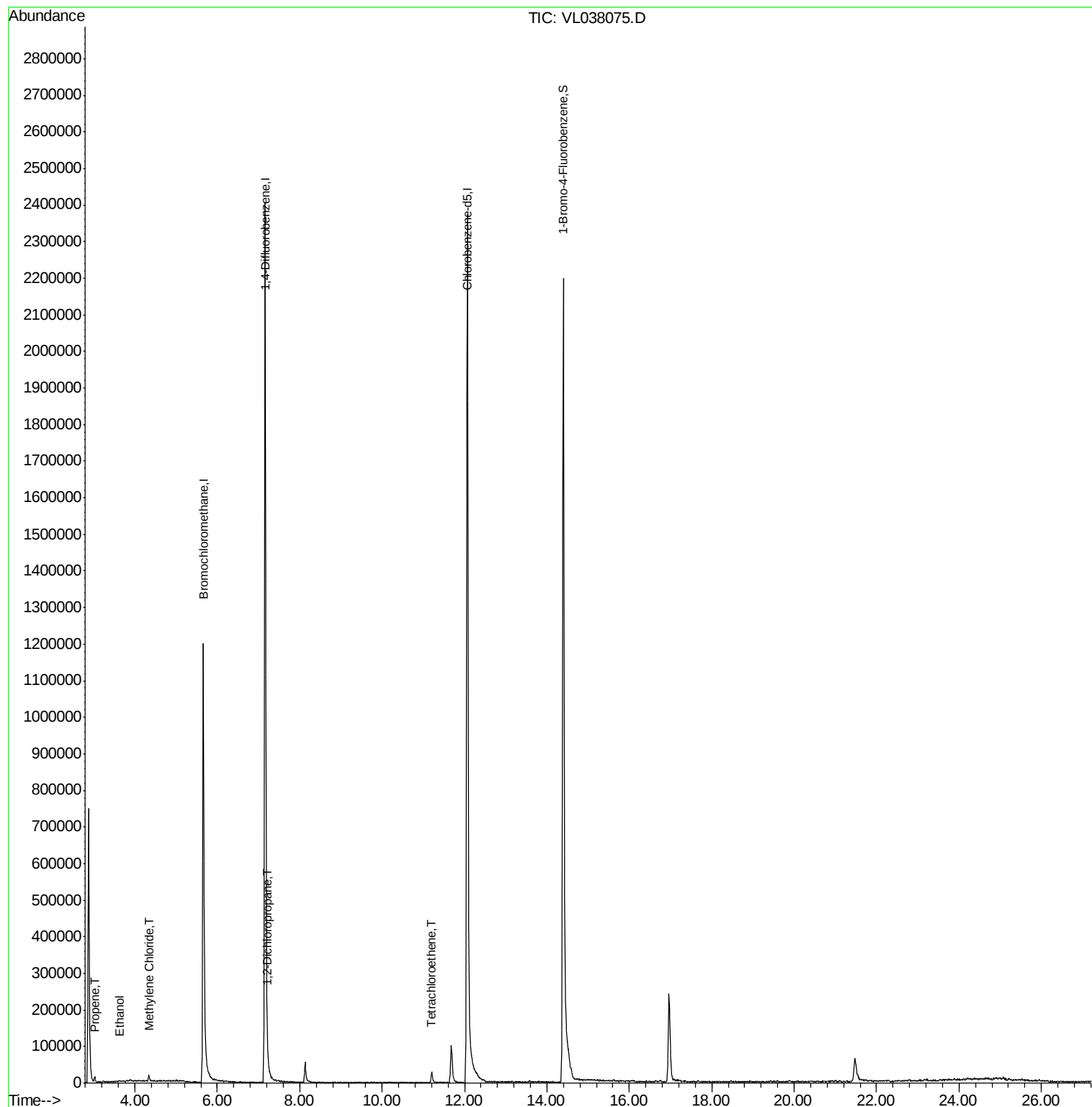
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2202	0.038	ppbv #	16
13) Ethanol	3.63	45	550	0.098	ppbv #	32
20) Methylene Chloride	4.34	84	3827	0.105	ppbv #	60
39) 1,2-Dichloropropane	7.22	63	6217	0.075	ppbv #	24
52) Tetrachloroethene	11.19	164	2596	0.032	ppbv #	77

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111821\
Data File : VL038075.D
Acq On : 19 Nov 2021 6:00
Operator : SY/AP
Sample : VIBLK
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Quant Time: Nov 22 05:25:18 2021
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VIBLK

Acq: 19 Nov 2021 8:00

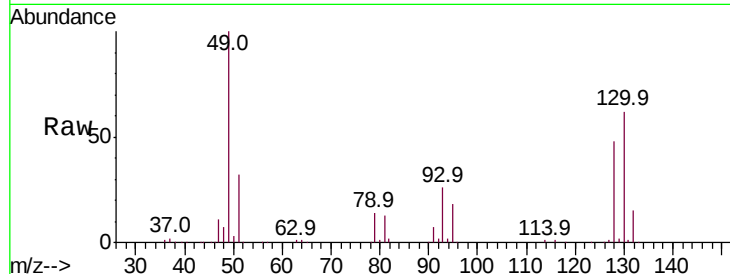
Tot Ion: 49 Resp: 750377

Ion Ratio Lower Upper

49 100

128 50.7 26.5 79.5

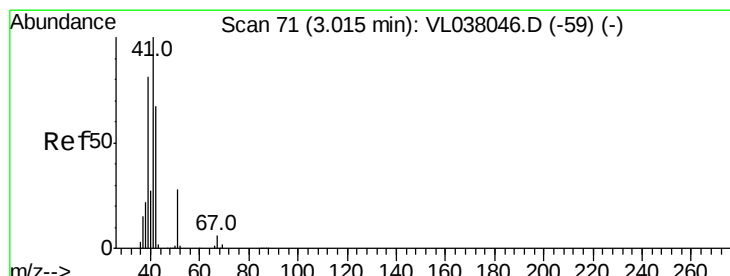
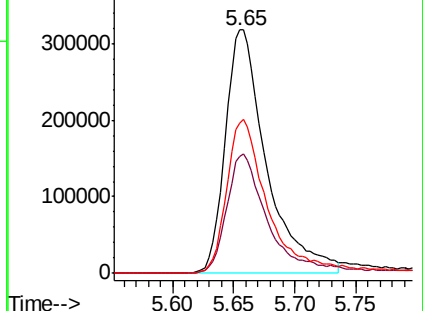
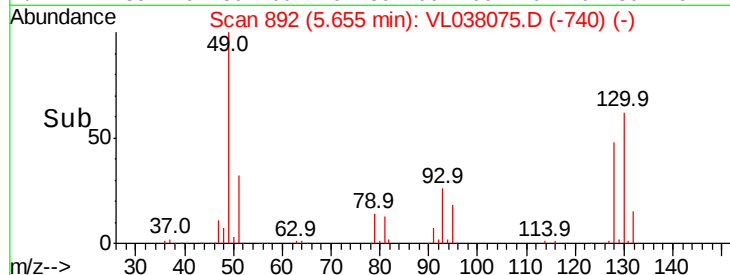
130 65.4 32.5 97.4



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: 0.038 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL038075.D

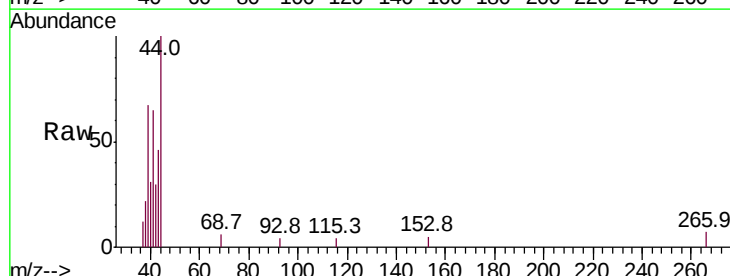
Acq: 19 Nov 2021 6:00

Tgt Ion: 41 Resp: 2202

Ion Ratio Lower Upper

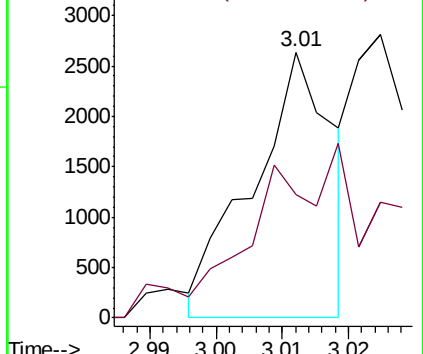
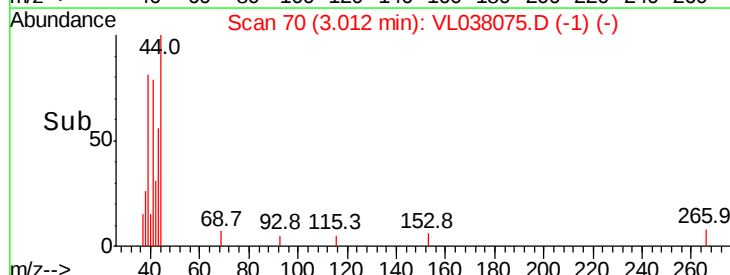
41 100

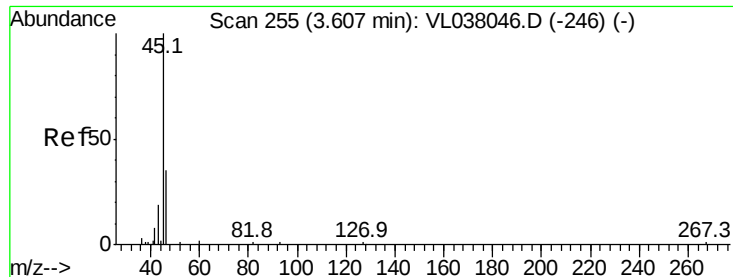
42 0.0 53.8 80.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

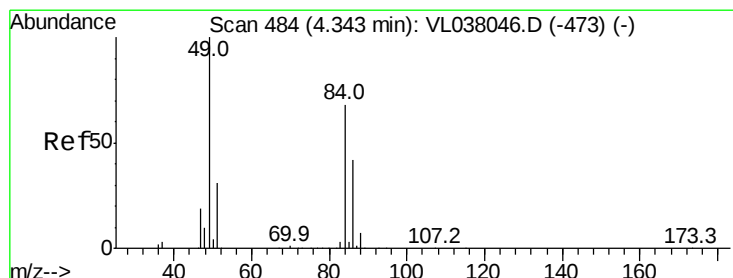
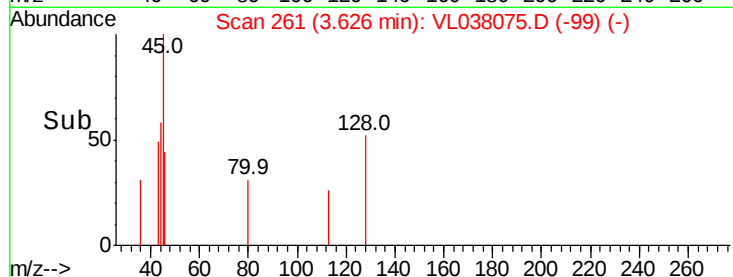
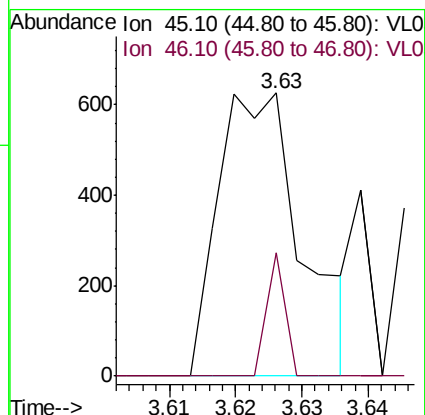
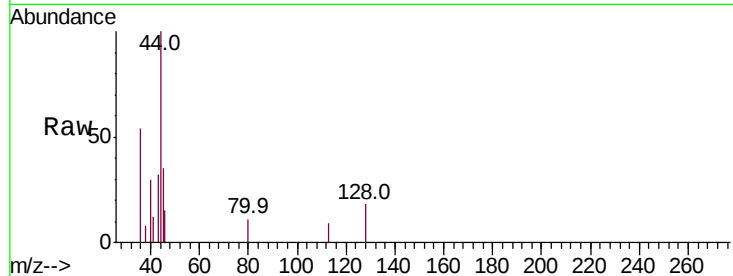
Ion 42.10 (41.80 to 42.80): VL0





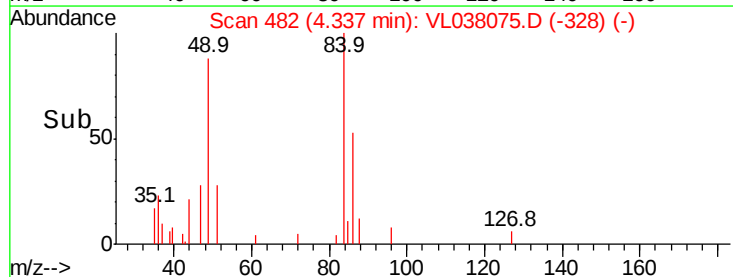
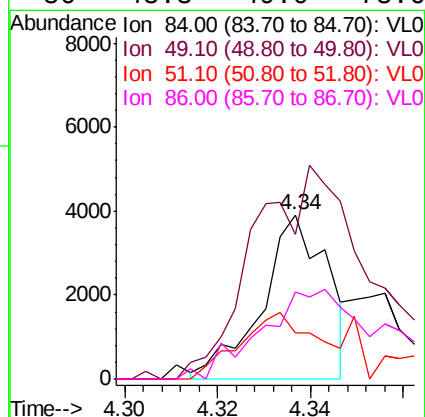
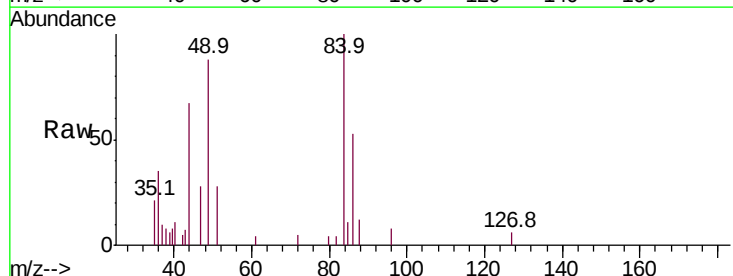
#13
 Ethanol
 Concen: 0.098 ppbv
 RT: 3.63
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 19 Nov 2021 8:00

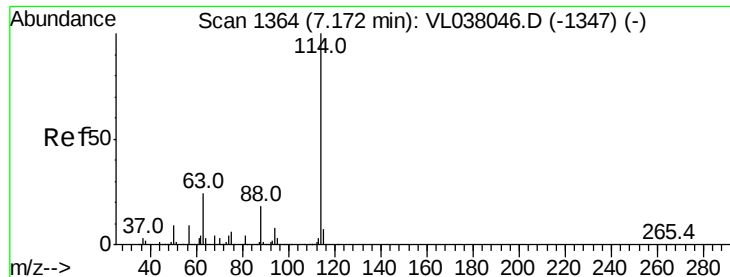
Tot Ion: 45 Resp: 550
 Ion Ratio Lower Upper
 45 100
 46 0.0 17.6 70.2#



#20
 Methylene Chloride
 Concen: 0.105 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. -0.01 min
 Lab File: VL038075.D
 Acq: 19 Nov 2021 6:00

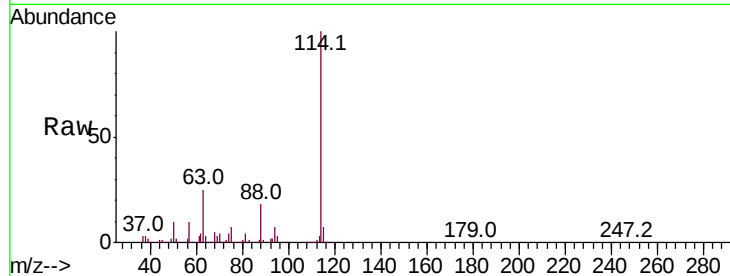
Tgt Ion: 84 Resp: 3827
 Ion Ratio Lower Upper
 84 100
 49 80.9 118.2 177.2#
 51 29.0 36.8 55.2#
 86 48.3 49.0 73.6#



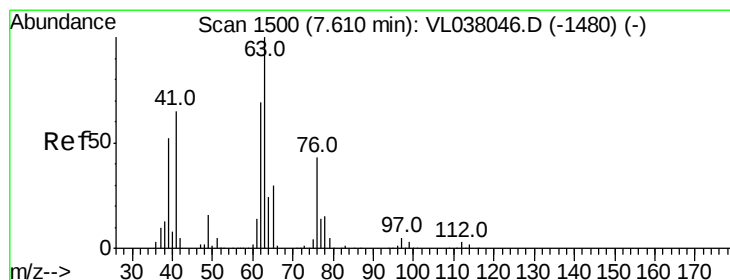
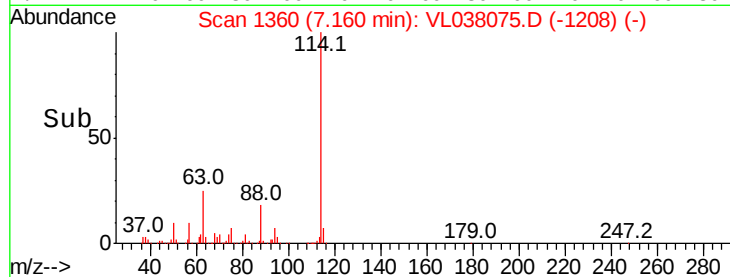
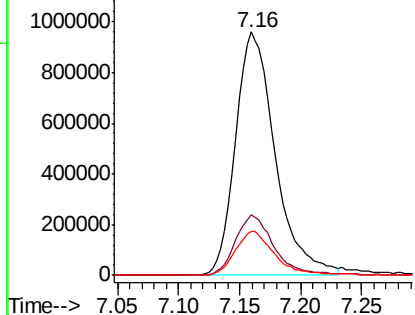


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 19 Nov 2021 6:00

Tot Ion:114 Resp: 2164144
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.7 29.5
 88 18.4 14.4 21.6

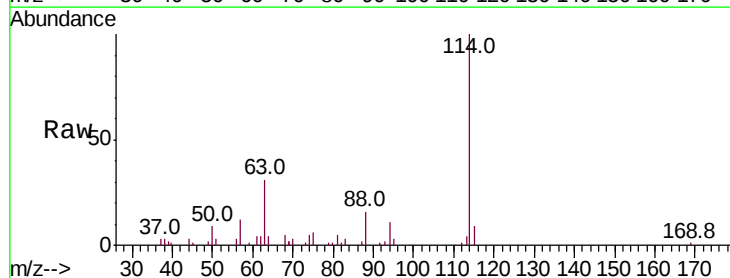


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

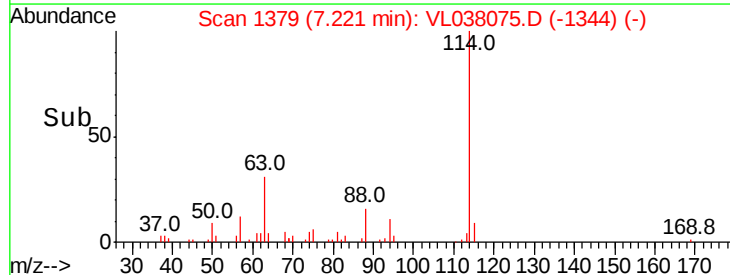
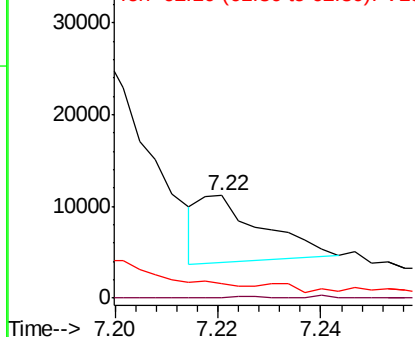


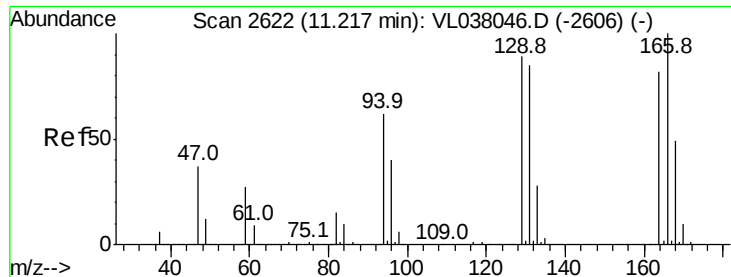
#39
 1,2-Dichloropropane
 Concen: 0.075 ppbv
 RT: 7.22 min Scan# 1379
 Delta R.T. -0.39 min
 Lab File: VL038075.D
 Acq: 19 Nov 2021 6:00

Tgt Ion: 63 Resp: 6217
 Ion Ratio Lower Upper
 63 100
 41 0.0 52.3 78.5#
 62 11.6 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: 0.032 ppbv

RT: 11.19 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 8:00

Tot Ion:164 Resp: 2596

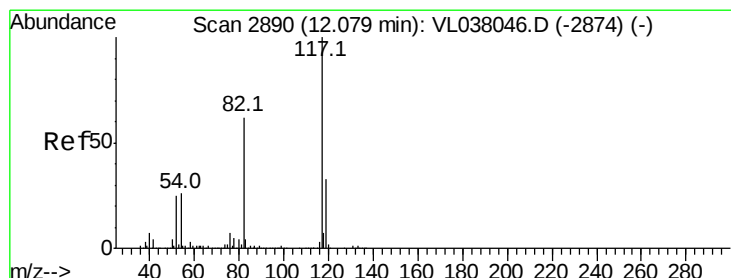
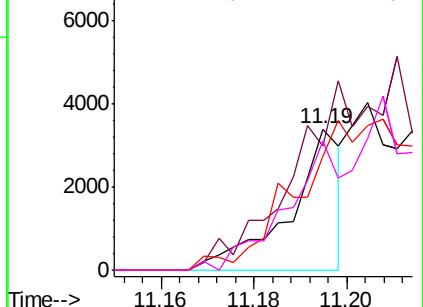
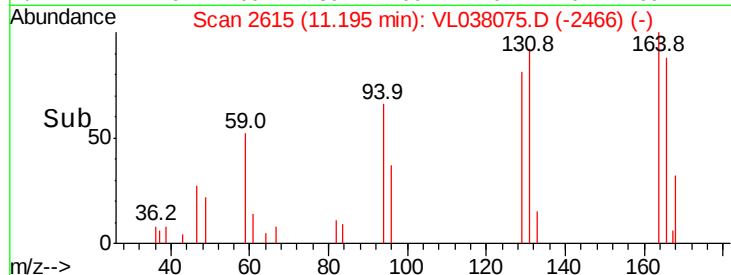
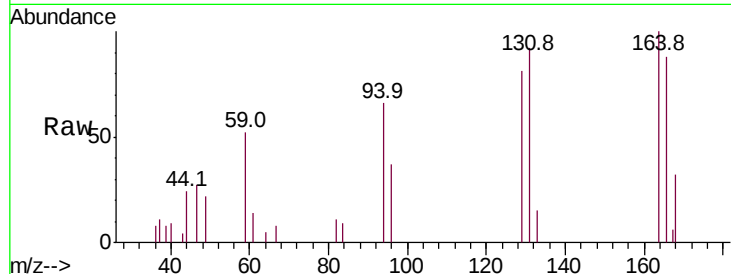
Ion Ratio Lower Upper

164 100

166 87.7 97.2 145.8#

129 81.3 86.9 130.3#

131 92.1 82.8 124.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.01 min

Lab File: VL038075.D

Acq: 19 Nov 2021 6:00

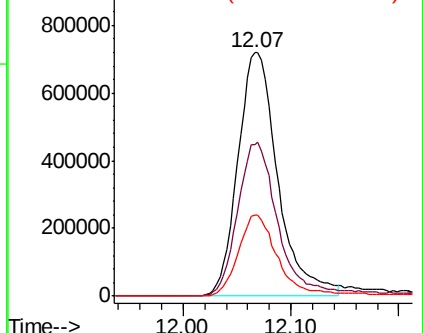
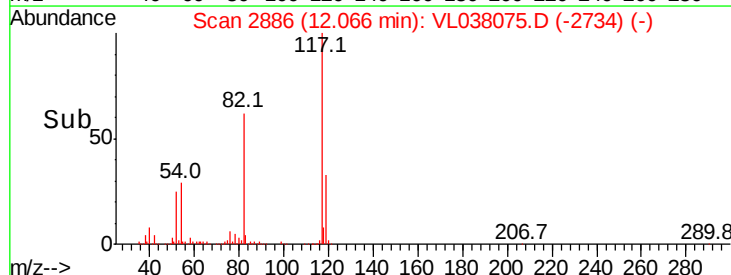
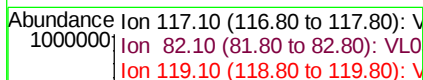
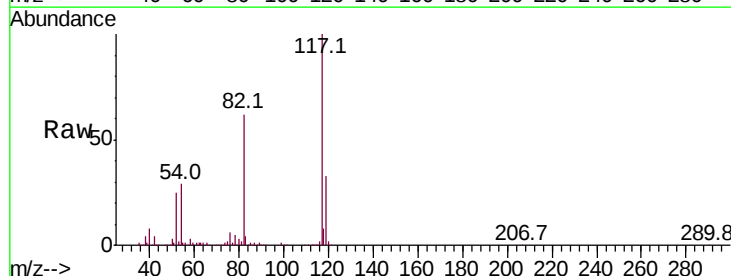
Tgt Ion:117 Resp: 1852806

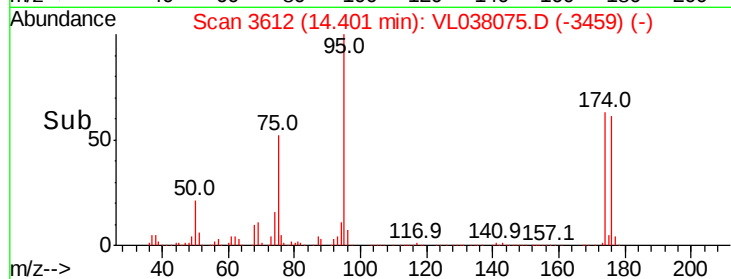
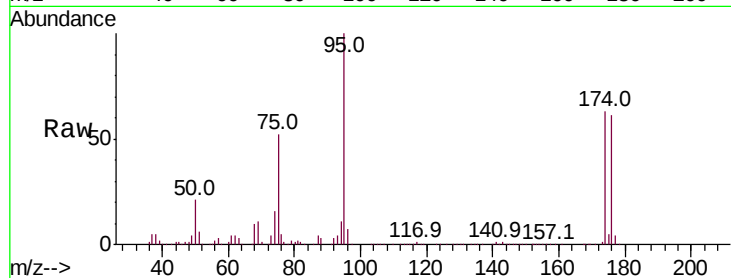
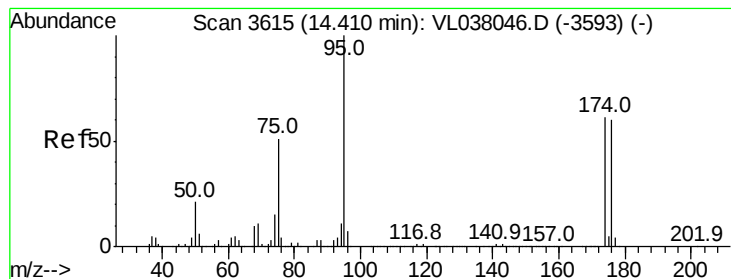
Ion Ratio Lower Upper

117 100

82 67.9 52.8 79.2

119 33.8 26.8 40.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.941 ppbv

RT: 14.40 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 8:00

Tot Ion: 95 Resp: 1328561

Ion Ratio Lower Upper

95 100

174 67.9 53.1 79.7

175 5.0 4.0 6.0

