

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038076.D
 Acq On : 19 Nov 2021 6:37
 Operator : SY/AP
 Sample : M4751-01DL2 100X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-1DL2

Quant Time: Nov 22 05:25:26 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	722622	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2154924	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	1795517	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1301127	10.05	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

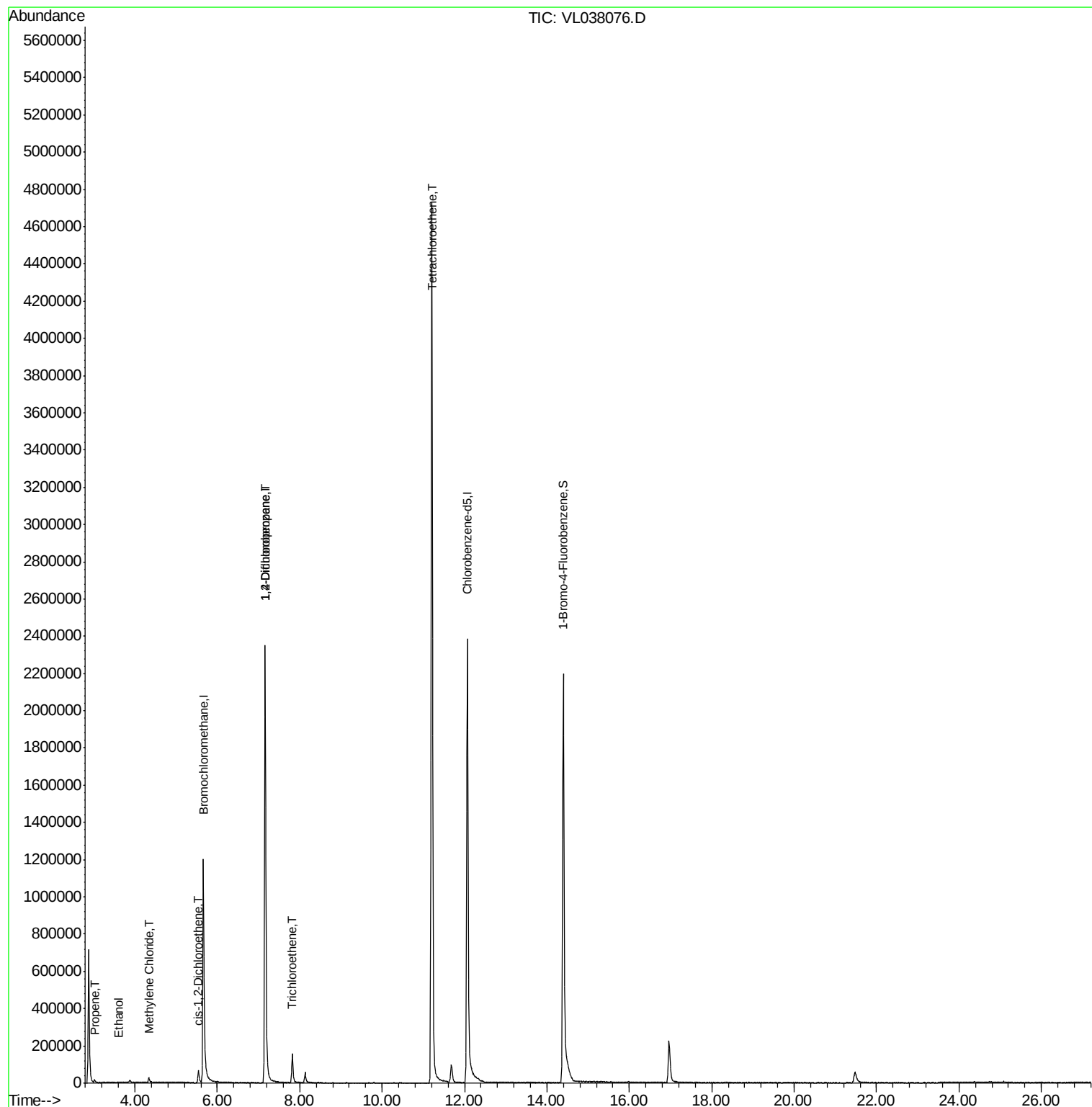
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	4116	0.074	ppbv	91
13) Ethanol	3.61	45	480	0.089	ppbv #	32
20) Methylene Chloride	4.33	84	5356	0.153	ppbv #	74
31) cis-1,2-Dichloroethene	5.54	61	40485	0.424	ppbv	98
38) Trichloroethene	7.82	130	54693	0.675	ppbv	96
39) 1,2-Dichloropropane	7.16	63	521154	6.320	ppbv #	26
52) Tetrachloroethene	11.21	164	1358299	17.077	ppbv	97

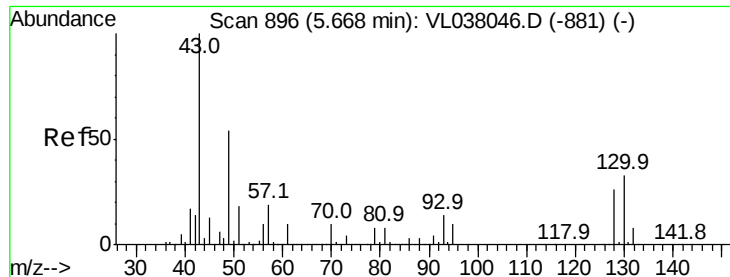
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111821\
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QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SVP-1DL2

Acq: 19 Nov 2021 8:37

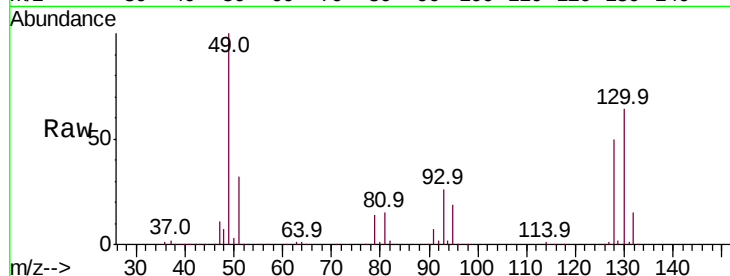
Tot Ion: 49 Resp: 722622

Ion Ratio Lower Upper

49 100

128 52.7 26.5 79.5

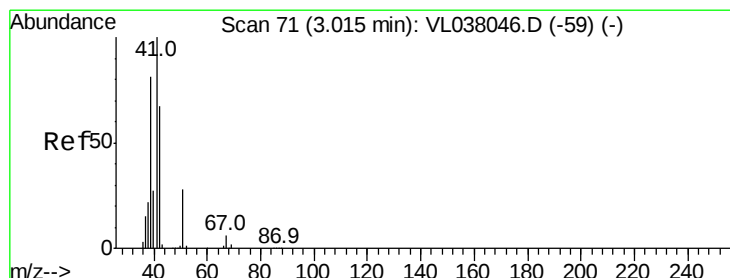
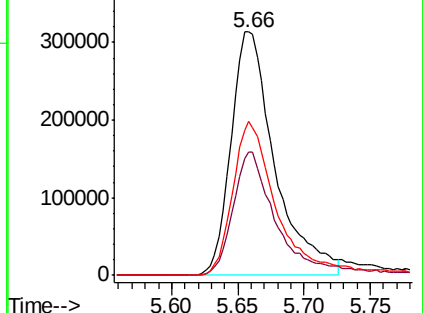
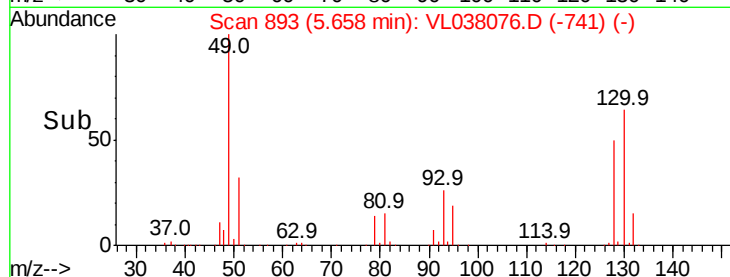
130 67.5 32.5 97.4



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: 0.074 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL038076.D

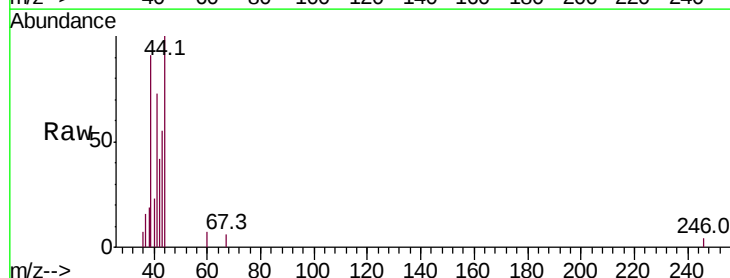
Acq: 19 Nov 2021 6:37

Tgt Ion: 41 Resp: 4116

Ion Ratio Lower Upper

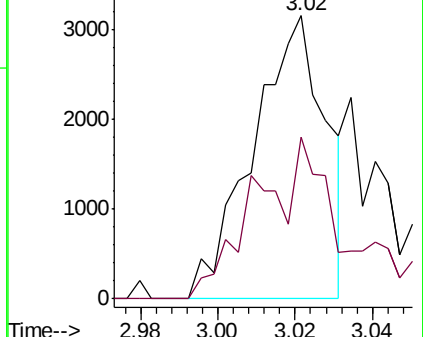
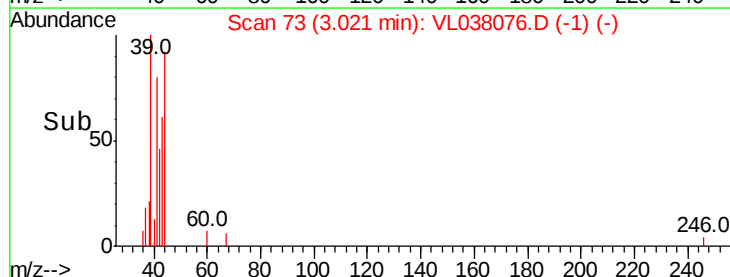
41 100

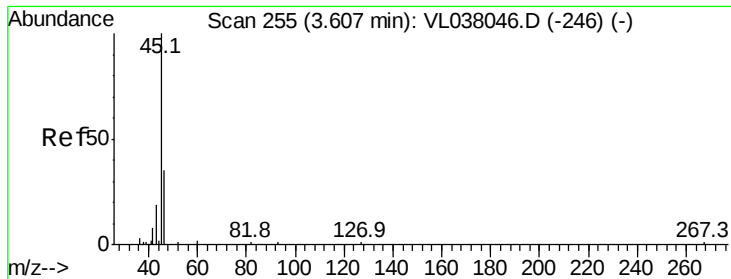
42 74.7 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

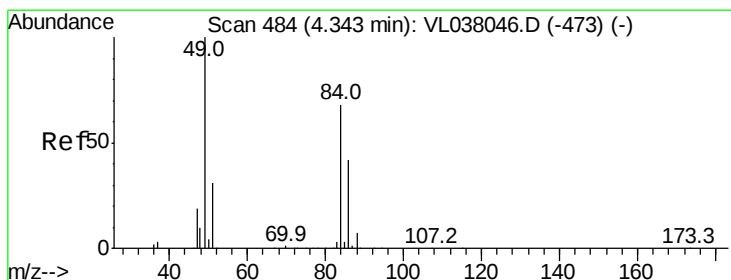
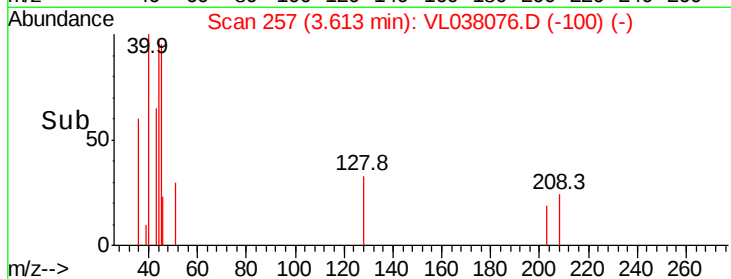
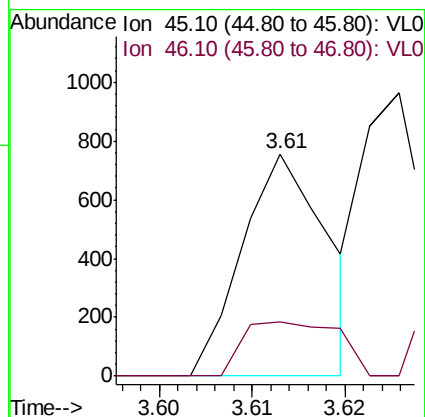
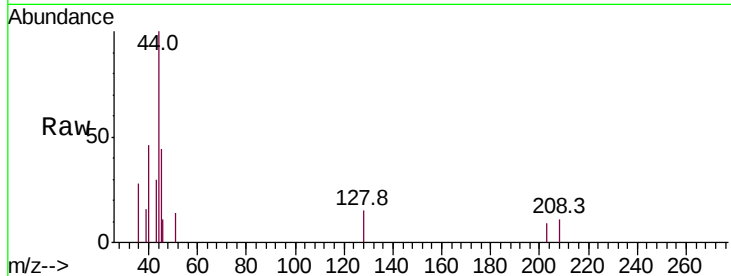
Ion 42.10 (41.80 to 42.80): VL0





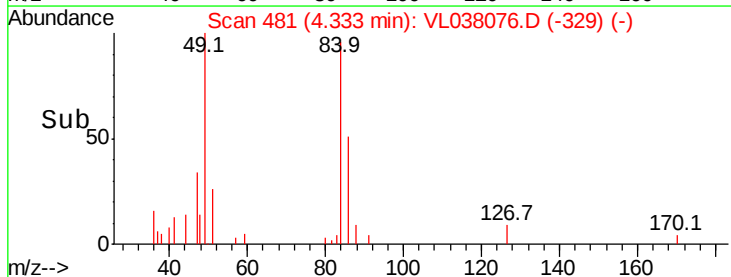
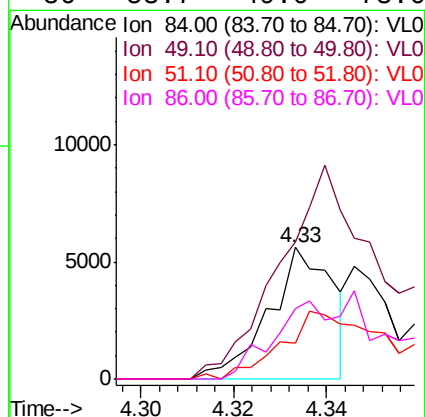
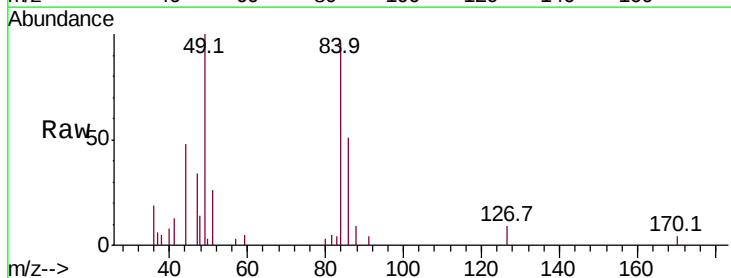
#13
Ethanol
Concen: 0.089 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 19 Nov 2021 8:37

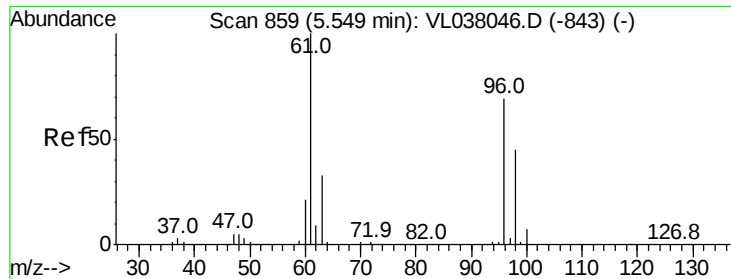
Tot Ion: 45 Resp: 480
Ion Ratio Lower Upper
45 100
46 0.0 17.6 70.2#



#20
Methylene Chloride
Concen: 0.153 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL038076.D
Acq: 19 Nov 2021 6:37

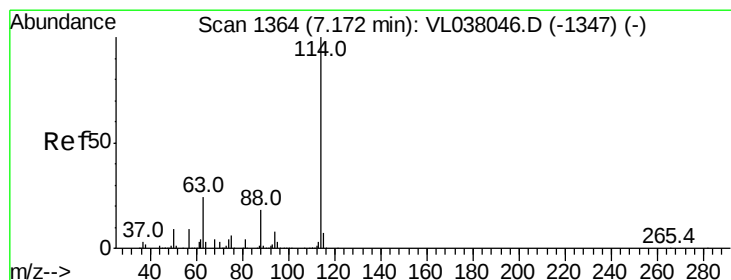
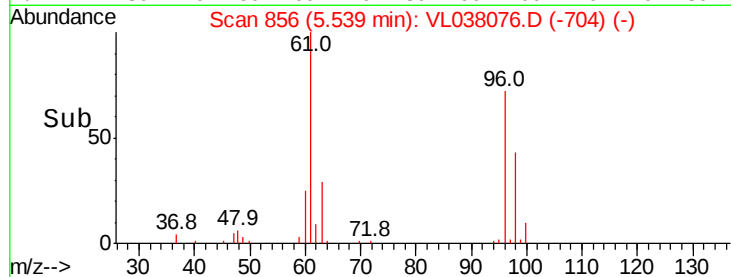
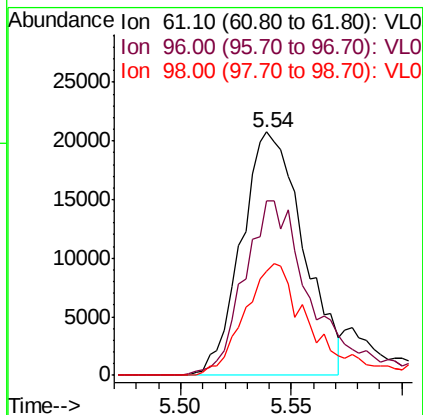
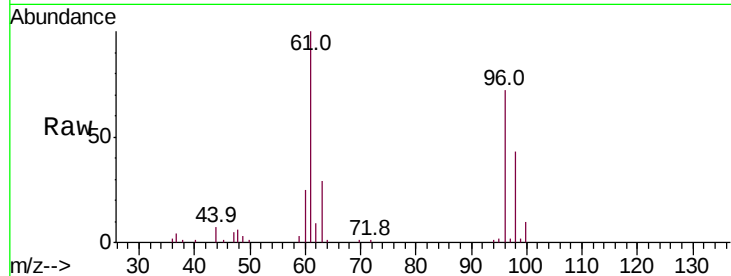
Tgt Ion: 84 Resp: 5356
Ion Ratio Lower Upper
84 100
49 107.7 118.2 177.2#
51 27.1 36.8 55.2#
86 53.7 49.0 73.6





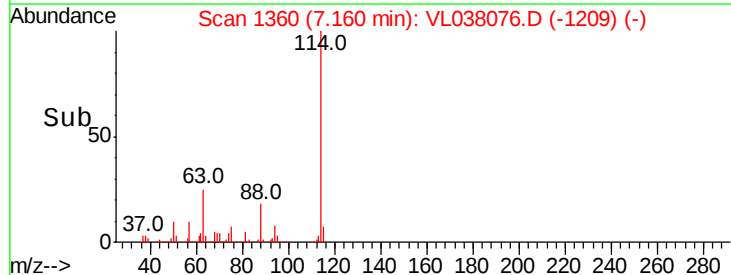
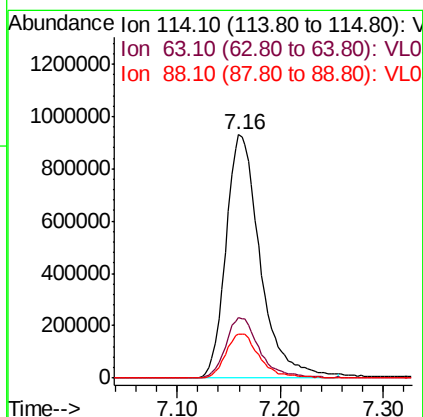
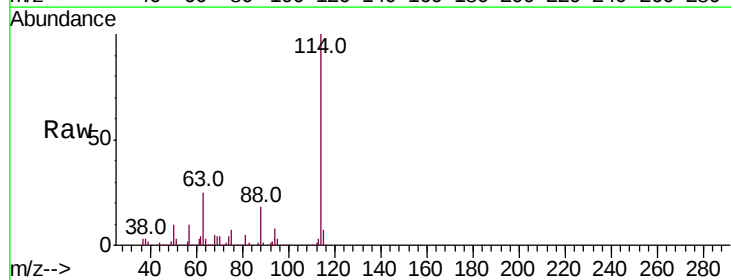
#31
 cis-1,2-Dichloroethene
 Concen: 0.424 ppbv
 RT: 5.54
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SVP-1DL2
 Acq: 19 Nov 2021 8:37

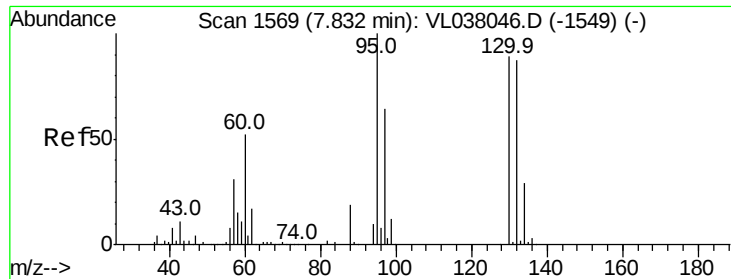
Tot Ion: 61 Resp: 40485
 Ion Ratio Lower Upper
 61 100
 96 70.8 55.4 83.2
 98 42.7 35.7 53.5



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VL038076.D
 Acq: 19 Nov 2021 6:37

Tgt Ion: 114 Resp: 2154924
 Ion Ratio Lower Upper
 114 100
 63 24.9 19.7 29.5
 88 18.3 14.4 21.6





#38

Trichloroethene

Concen: 0.675 ppbv

RT: 7.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SVP-1DL2

Acq: 19 Nov 2021 8:37

Tot Ion:130 Resp: 54693

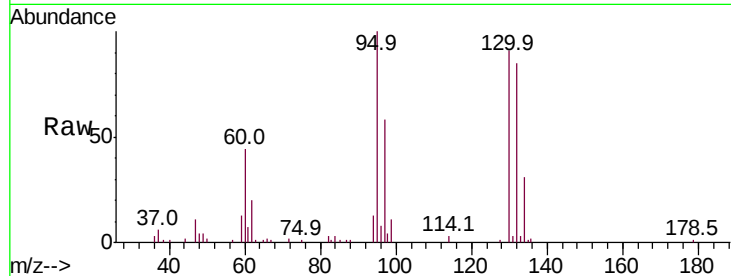
Ion Ratio Lower Upper

130 100

95 110.4 89.4 134.2

132 94.0 78.2 117.2

97 63.8 57.0 85.4

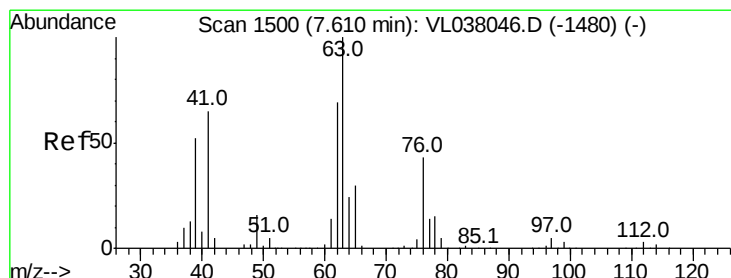
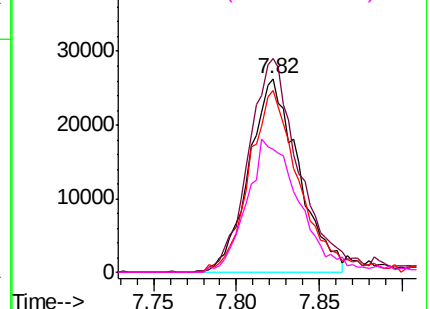
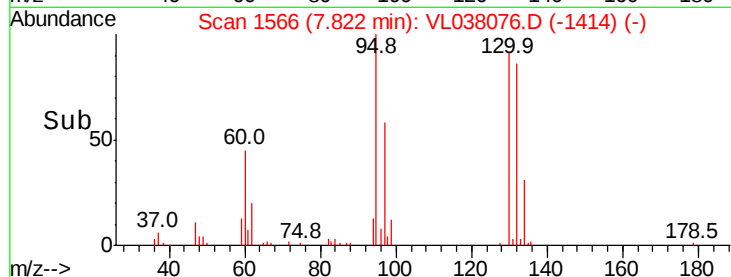


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 6.320 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.45 min

Lab File: VL038076.D

Acq: 19 Nov 2021 6:37

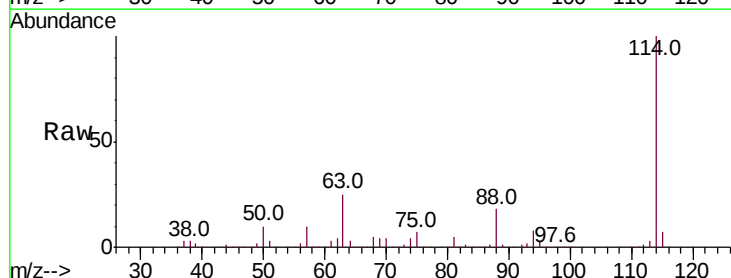
Tgt Ion: 63 Resp: 521154

Ion Ratio Lower Upper

63 100

41 0.0 52.3 78.5#

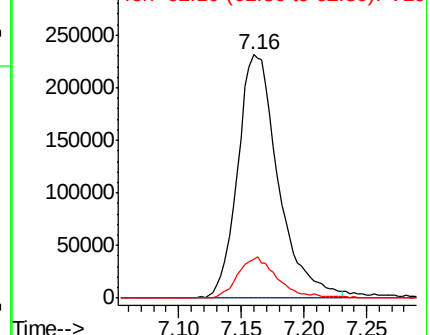
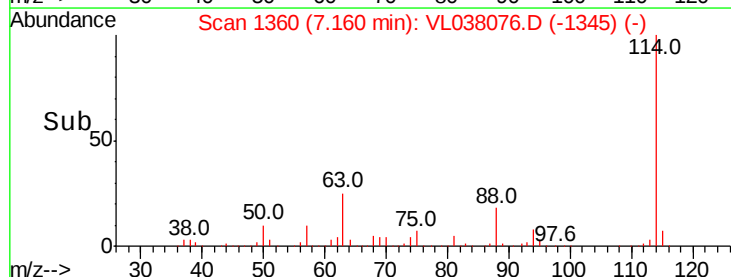
62 15.9 55.1 82.7#

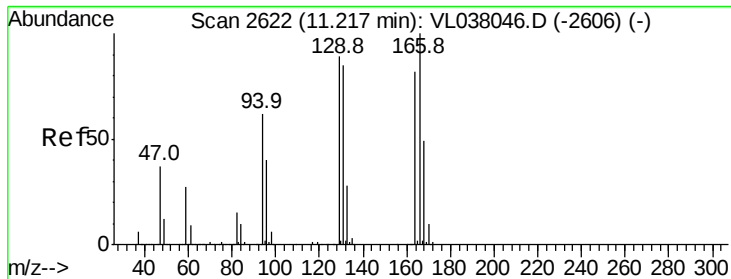


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 17.077 ppbv

RT: 11.21

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 8:37

Tot Ion:164 Resp: 1358299

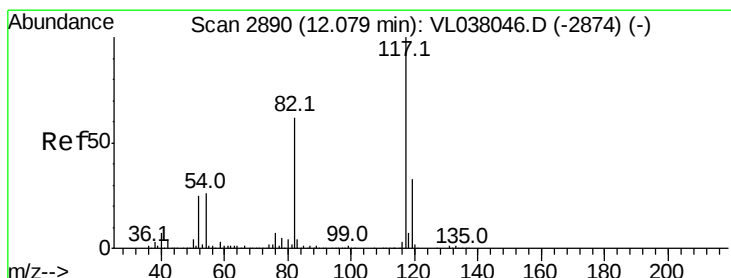
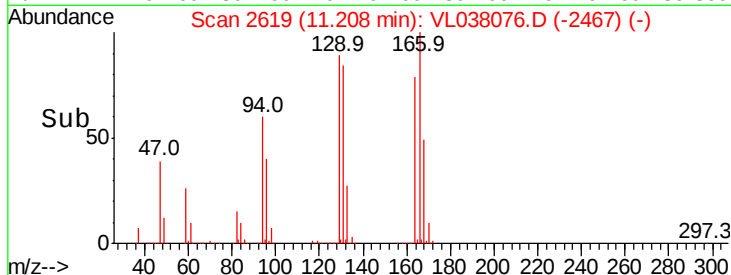
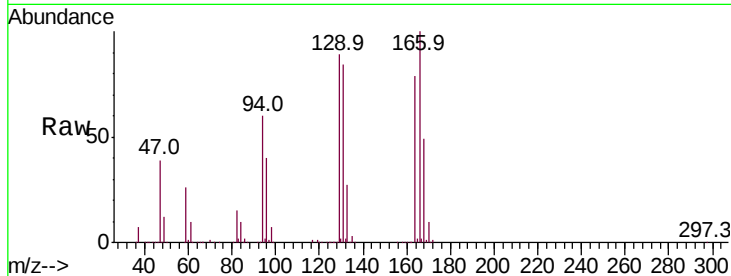
Ion Ratio Lower Upper

164 100

166 126.1 97.2 145.8

129 112.1 86.9 130.3

131 106.1 82.8 124.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. -0.01 min

Lab File: VL038076.D

Acq: 19 Nov 2021 6:37

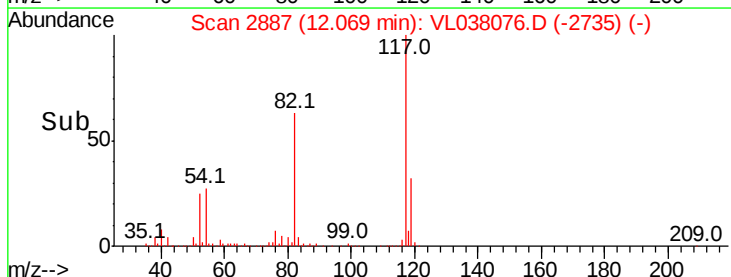
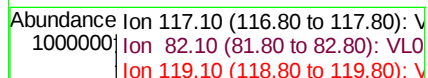
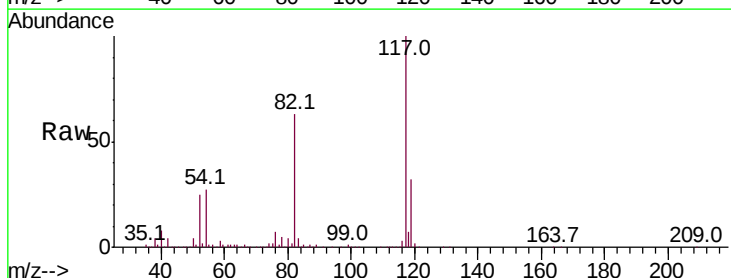
Tgt Ion:117 Resp: 1795517

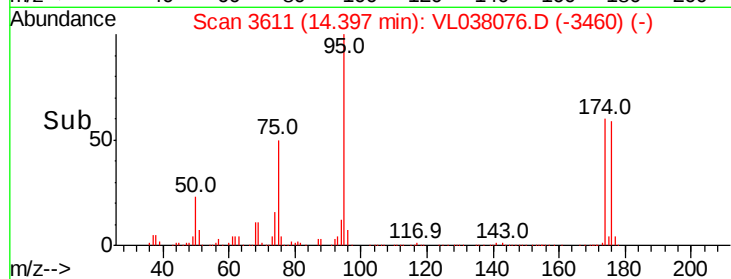
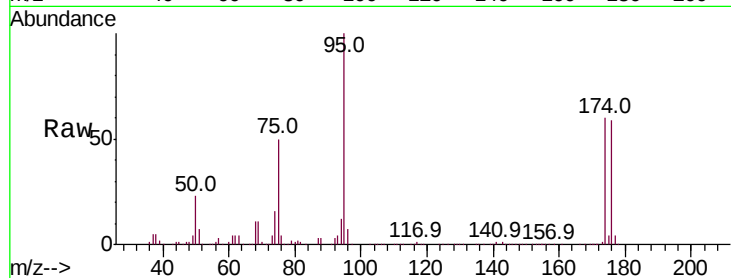
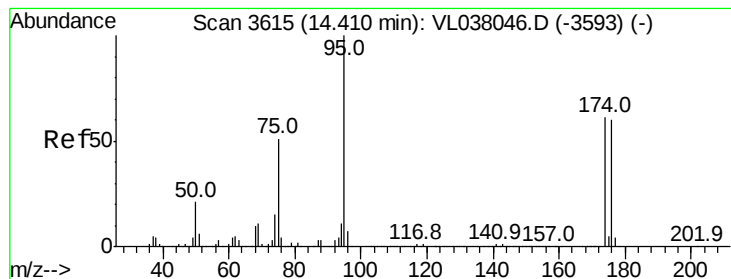
Ion Ratio Lower Upper

117 100

82 69.9 52.8 79.2

119 34.9 26.8 40.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.046 ppbv

RT: 14.40 Instrument:

Delta R.T MSVOA_L

Lab File: ClientSampleId:

SVP-1DL2

Acq: 19 Nov 2021 8:37

Tot Ion: 95 Resp: 1301127

Ion Ratio Lower Upper

95 100

174 68.2 53.1 79.7

175 4.8 4.0 6.0

