

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038089.D
 Acq On : 19 Nov 2021 17:33
 Operator : SY/AP
 Sample : M4751-01DL2 200X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-1DL2

Quant Time: Nov 22 06:36:16 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	783260	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2247438	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	1823424	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1394724	10.60	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.00%

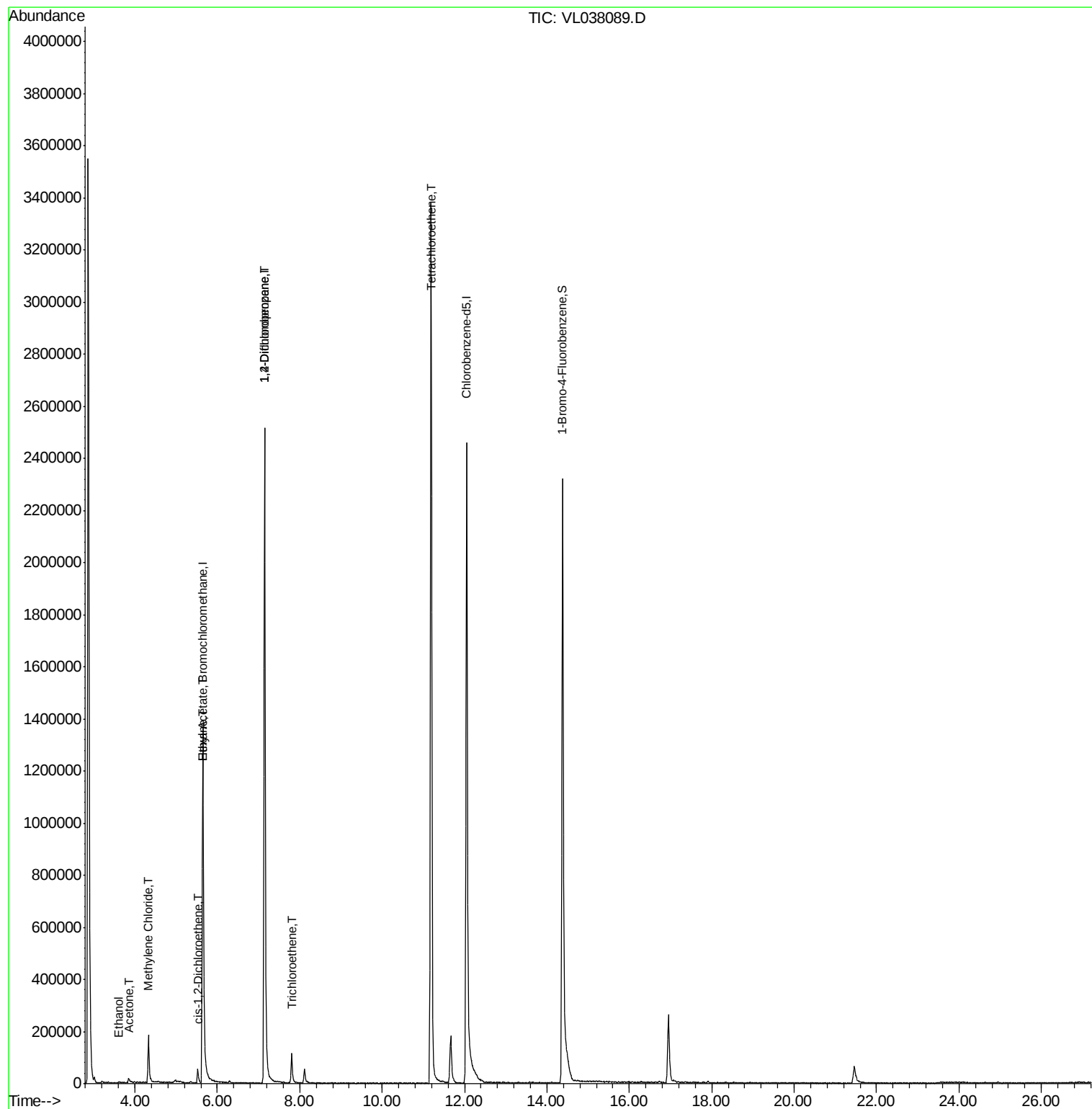
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	202	0.035	ppbv #	32
15) Acetone	3.85	43	20691	0.305	ppbv #	80
20) Methylene Chloride	4.32	84	72681	1.911	ppbv	94
25) Ethyl Acetate	5.66	43	44170	0.196	ppbv #	79
26) Hexane	5.66	57	64306	0.591	ppbv #	45
31) cis-1,2-Dichloroethene	5.53	61	19144	0.185	ppbv	89
38) Trichloroethene	7.81	130	37282	0.441	ppbv	90
39) 1,2-Dichloropropane	7.15	63	553059	6.431	ppbv #	26
52) Tetrachloroethene	11.19	164	908021	10.946	ppbv	98

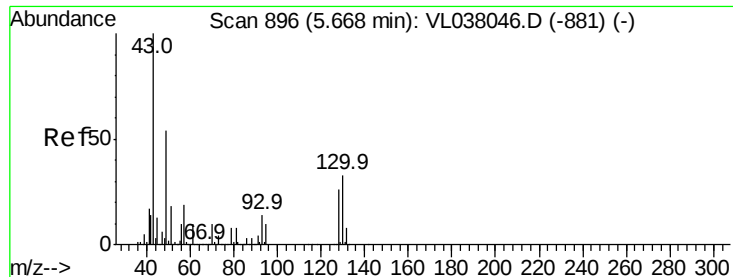
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111921\
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Misc : 400mL/MSVOA L
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MSVOA_L
ClientSampleId :
SVP-1DL2

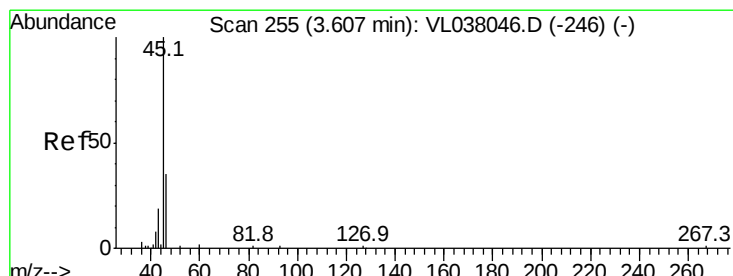
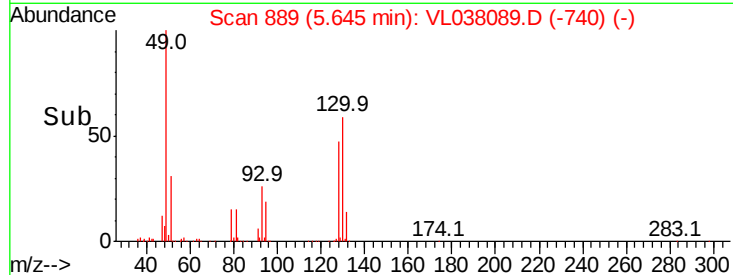
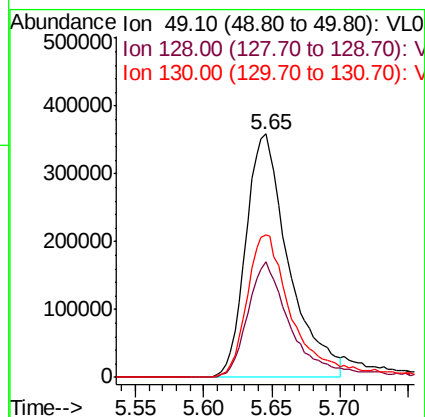
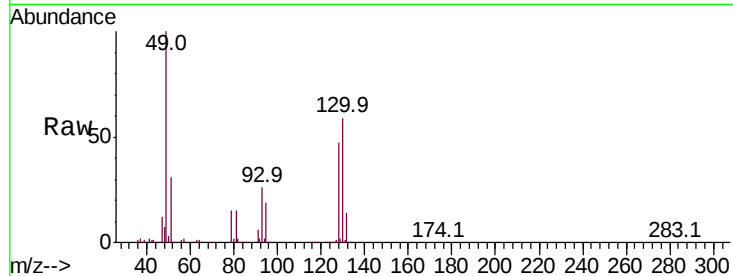
Quant Time: Nov 22 06:36:16 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
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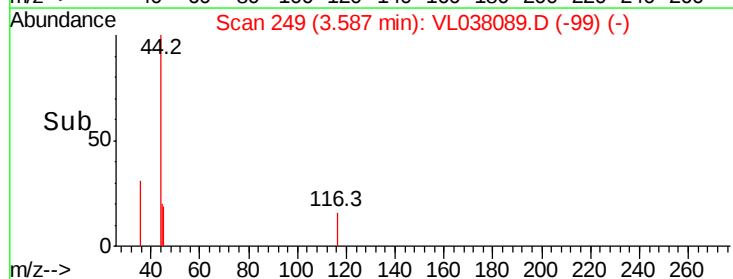
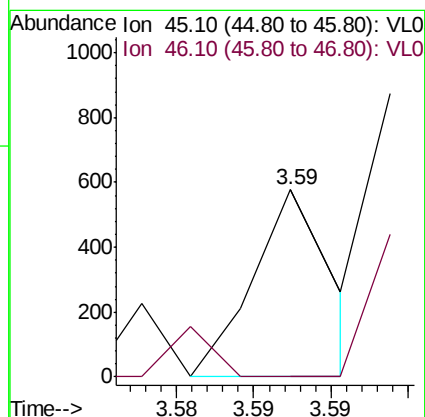
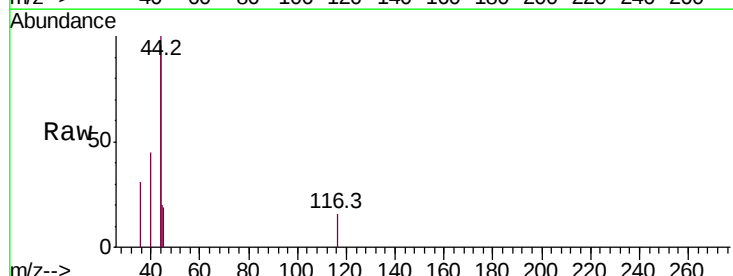
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 19 Nov 2021 17:33

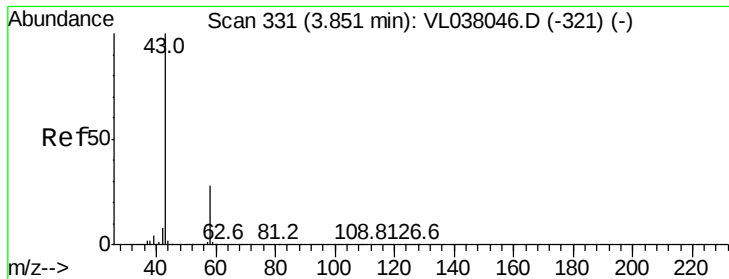
Tot Ion: 49 Resp: 783260
Ion Ratio Lower Upper
49 100
128 49.9 26.5 79.5
130 65.5 32.5 97.4



#13
Ethanol
Concen: 0.035 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL038089.D
Acq: 19 Nov 2021 17:33

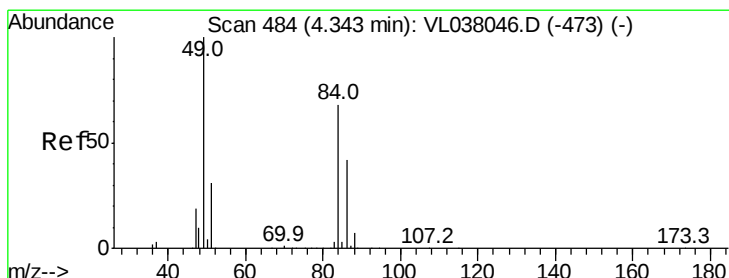
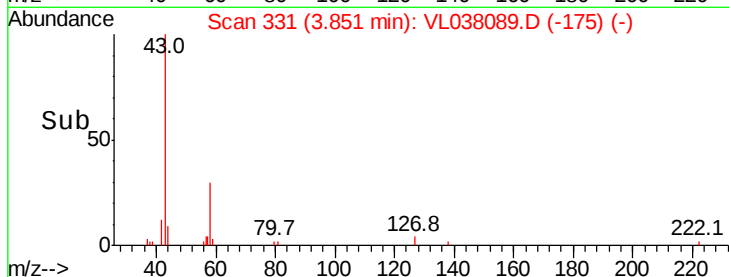
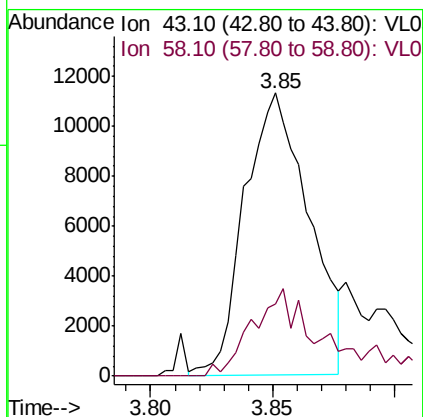
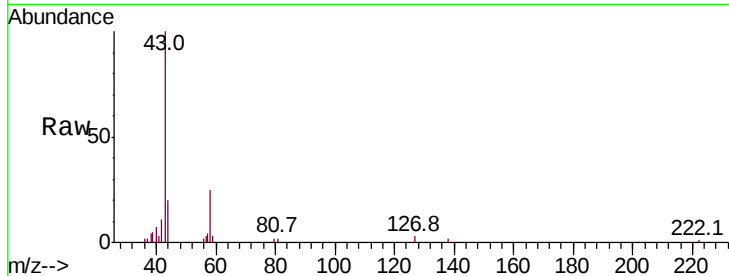
Tgt Ion: 45 Resp: 202
Ion Ratio Lower Upper
45 100
46 0.0 17.6 70.2#





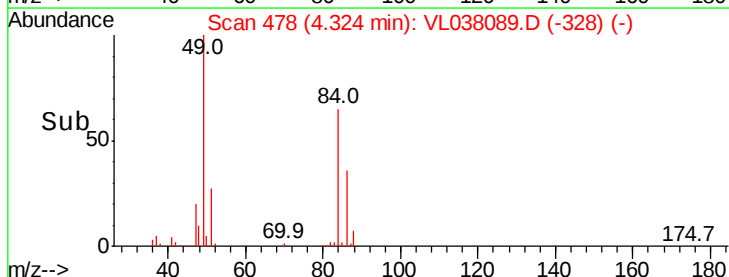
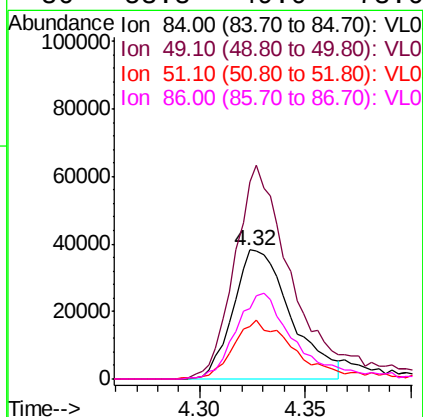
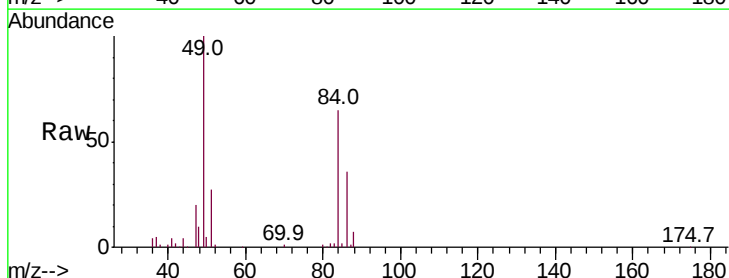
#15
Acetone
Concen: 0.305 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 17:33

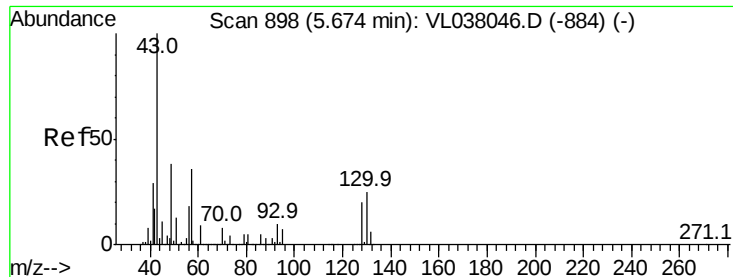
Tot Ion: 43 Resp: 20691
Ion Ratio Lower Upper
43 100
58 38.3 22.4 33.6#



#20
Methylene Chloride
Concen: 1.911 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL038089.D
Acq: 19 Nov 2021 17:33

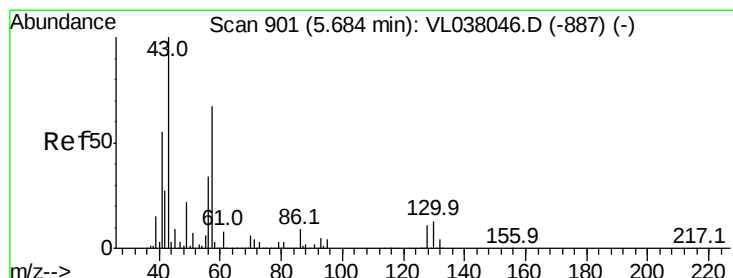
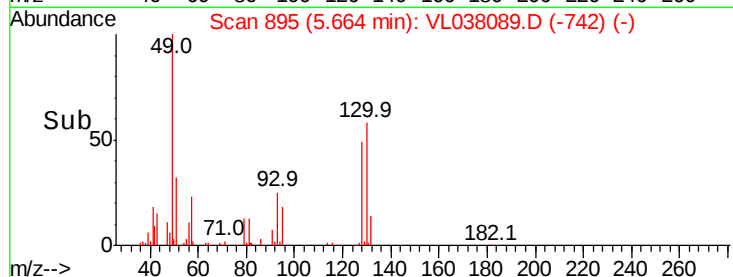
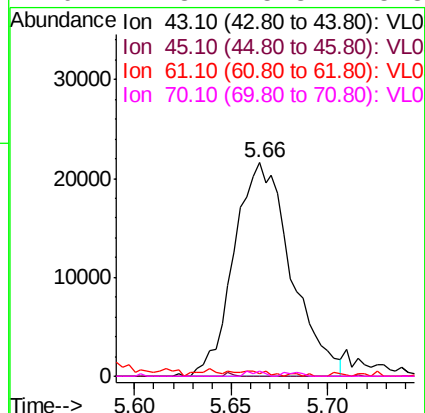
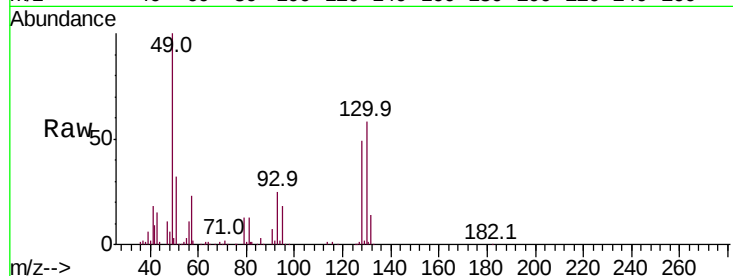
Tgt Ion: 84 Resp: 72681
Ion Ratio Lower Upper
84 100
49 151.4 118.2 177.2
51 40.2 36.8 55.2
86 53.8 49.0 73.6





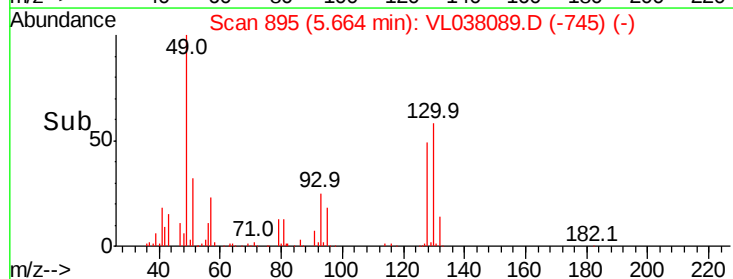
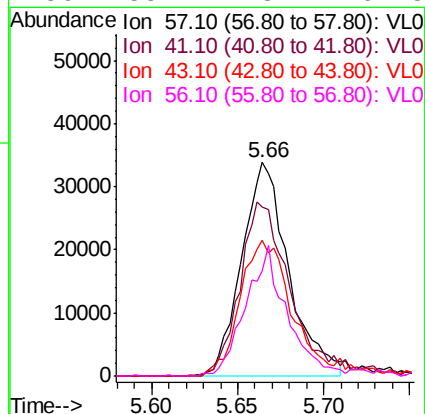
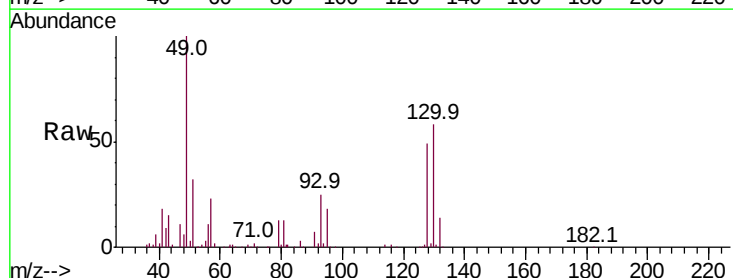
#25
 Ethyl Acetate
 Concen: 0.196 ppbv
 RT: 5.66 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 SVP-1DL2
 Acq: 19 Nov 2021 17:33

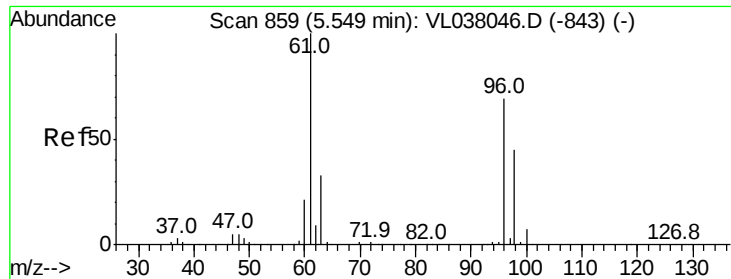
Tot Ion:	43	Resp:	44170
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.9	11.9#
61	2.9	7.8	11.6#
70	1.3	5.8	8.8#



#26
 Hexane
 Concen: 0.591 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. -0.02 min
 Lab File: VL038089.D
 Acq: 19 Nov 2021 17:33

Tgt Ion:	57	Resp:	64306
Ion	Ratio	Lower	Upper
57	100		
41	90.2	71.4	107.2
43	74.1	174.6	261.8#
56	55.7	43.2	64.8





#31

cis-1,2-Dichloroethene

Concen: 0.185 ppbv

RT: 5.53 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 19 Nov 2021 17:33 SVP-1DL2

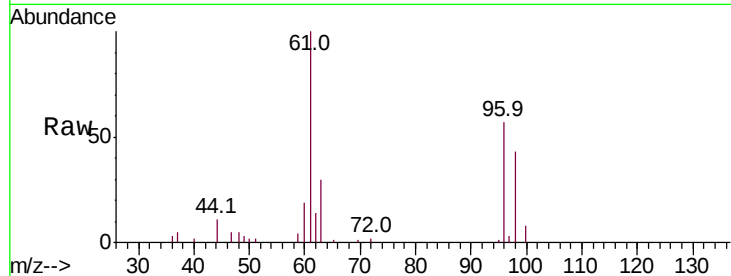
Tot Ion: 61 Resp: 19144

Ion Ratio Lower Upper

61 100

96 55.6 55.4 83.2

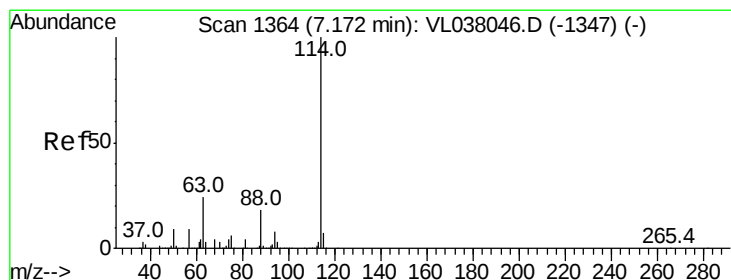
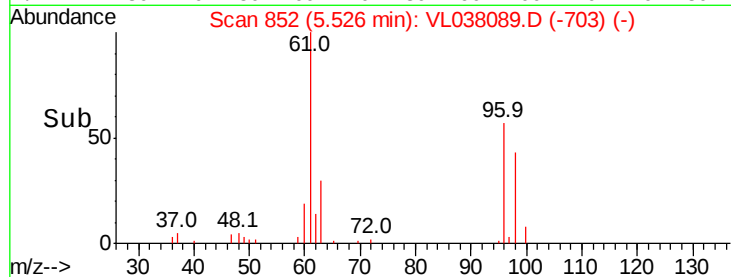
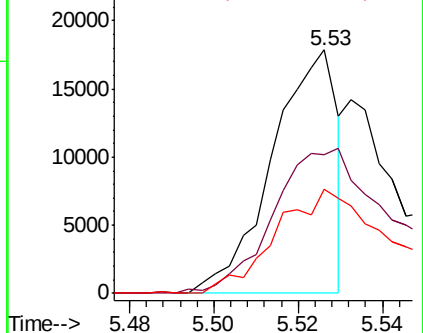
98 42.7 35.7 53.5



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.02 min

Lab File: VL038089.D

Acq: 19 Nov 2021 17:33

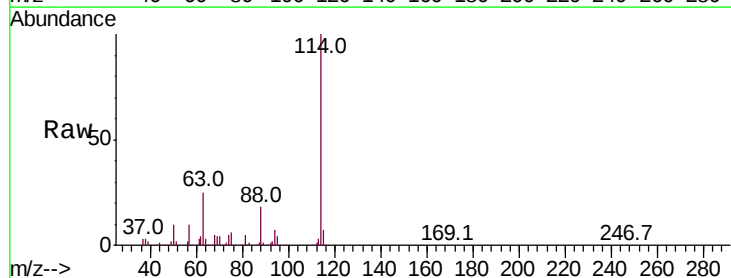
Tgt Ion:114 Resp: 2247438

Ion Ratio Lower Upper

114 100

63 25.8 19.7 29.5

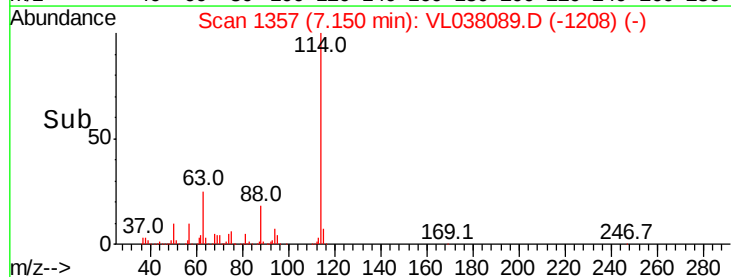
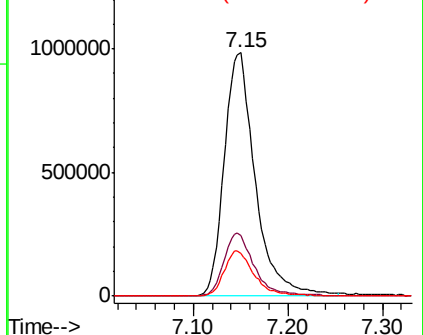
88 18.4 14.4 21.6

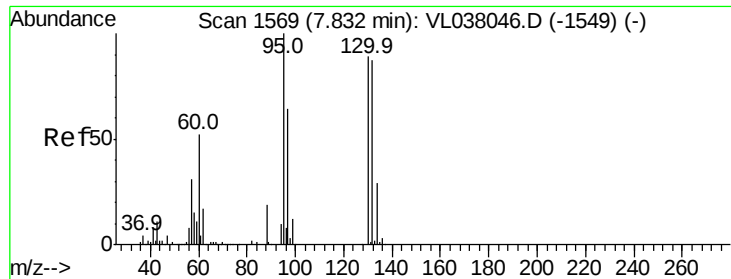


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#38

Trichloroethene

Concen: 0.441 ppbv

RT: 7.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SVP-1DL2

Acq: 19 Nov 2021 17:33

Tot Ion:130 Resp: 37282

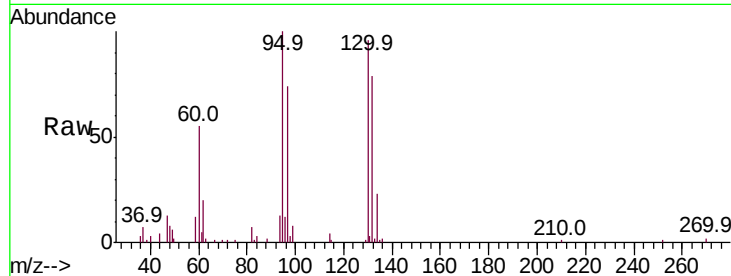
Ion Ratio Lower Upper

130 100

95 104.5 89.4 134.2

132 82.1 78.2 117.2

97 77.5 57.0 85.4

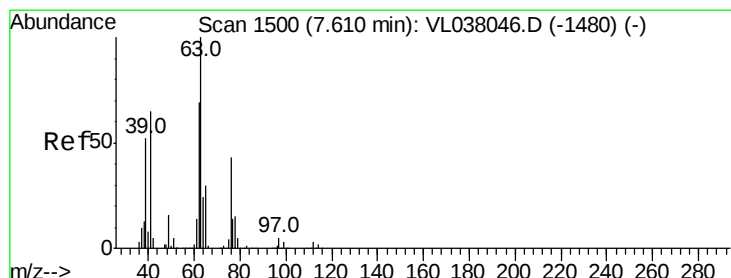
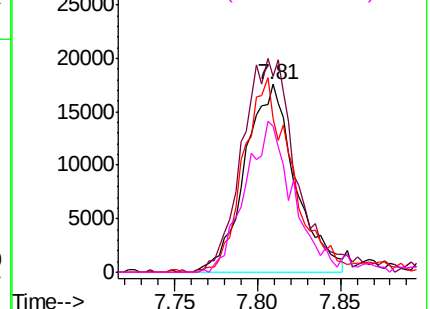
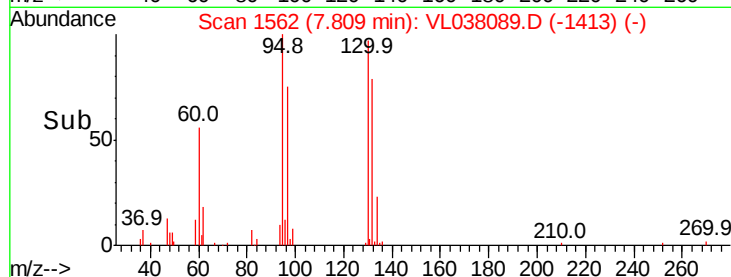


Abundance Ion 130.00 (129.70 to 130.70): V

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: 6.431 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.46 min

Lab File: VL038089.D

Acq: 19 Nov 2021 17:33

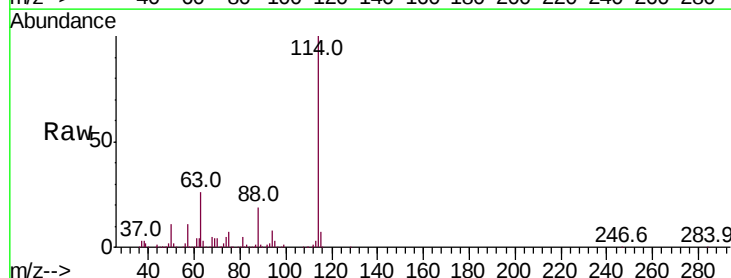
Tgt Ion: 63 Resp: 553059

Ion Ratio Lower Upper

63 100

41 0.0 52.3 78.5#

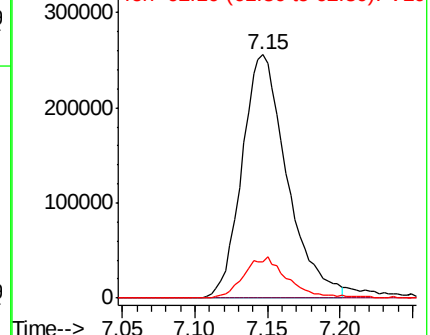
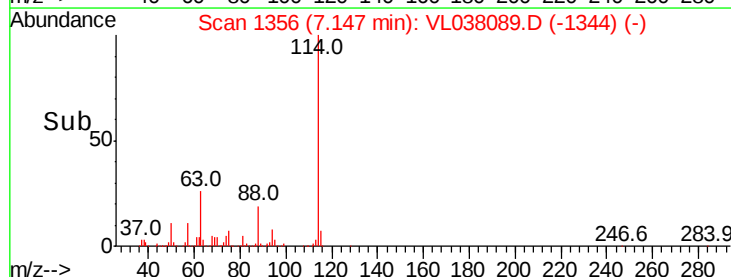
62 14.8 55.1 82.7#

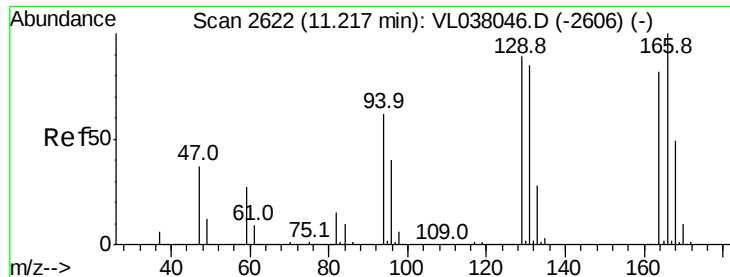


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 10.946 ppbv

RT: 11.19

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 17:33

Tot Ion:164 Resp: 908021

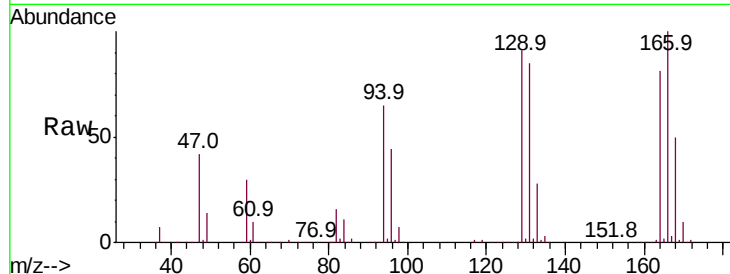
Ion Ratio Lower Upper

164 100

166 122.7 97.2 145.8

129 111.5 86.9 130.3

131 104.4 82.8 124.2

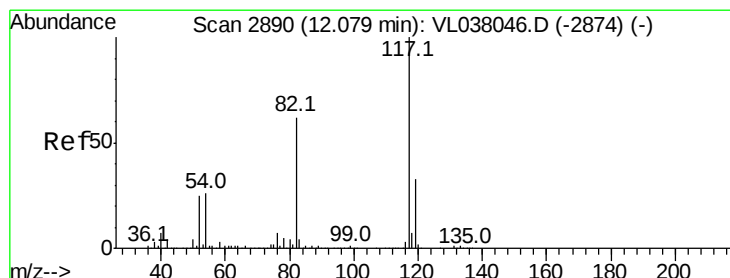
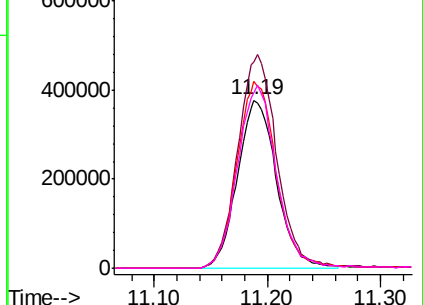
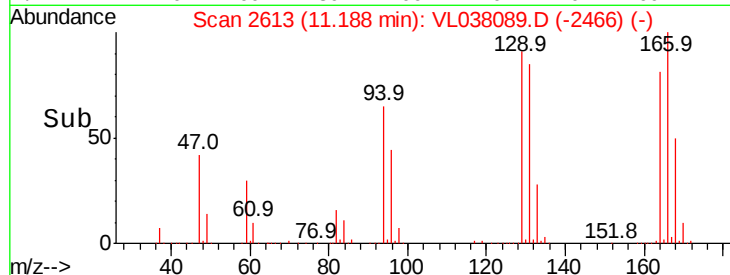


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.05 min Scan# 2882

Delta R.T. -0.03 min

Lab File: VL038089.D

Acq: 19 Nov 2021 17:33

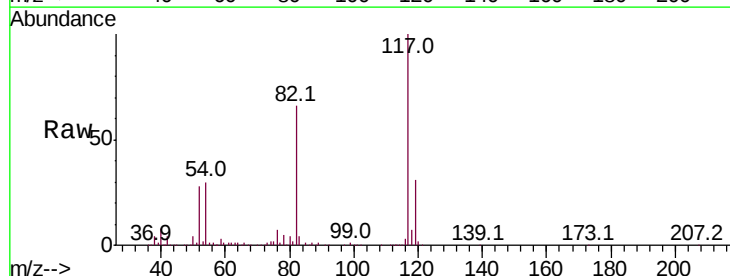
Tgt Ion:117 Resp: 1823424

Ion Ratio Lower Upper

117 100

82 74.3 52.8 79.2

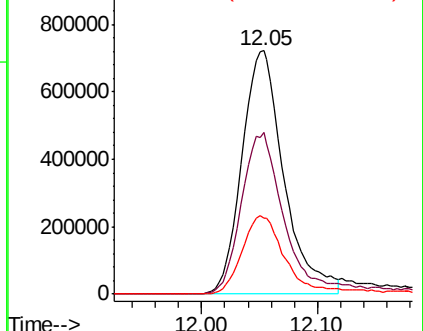
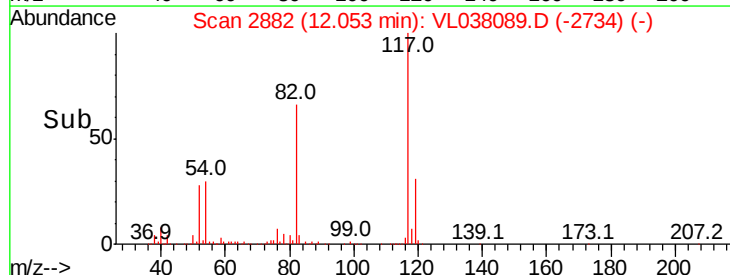
119 36.4 26.8 40.2

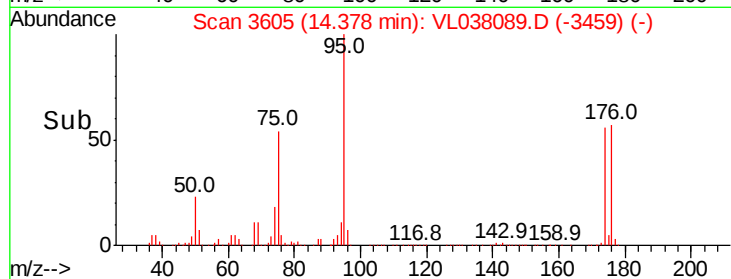
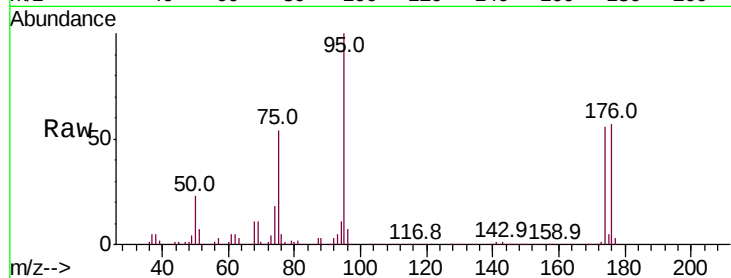
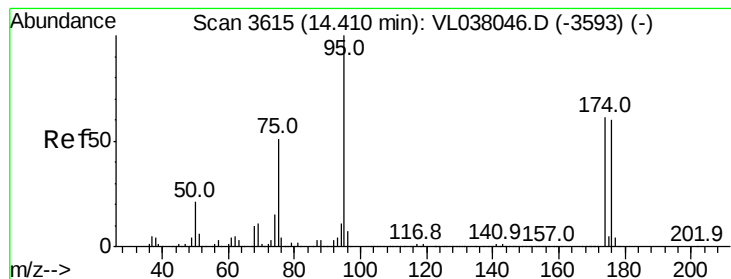


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.604 ppbv

RT: 14.38 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SVP-1DL2

Acq: 19 Nov 2021 17:33

Tot Ion: 95 Resp: 1394724

Ion Ratio Lower Upper

95 100

174 64.5 53.1 79.7

175 4.8 4.0 6.0

