

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038088.D
 Acq On : 19 Nov 2021 16:55
 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 06:36:10 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	812638	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2272329	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	1861269	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	1438383	10.71	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.10%

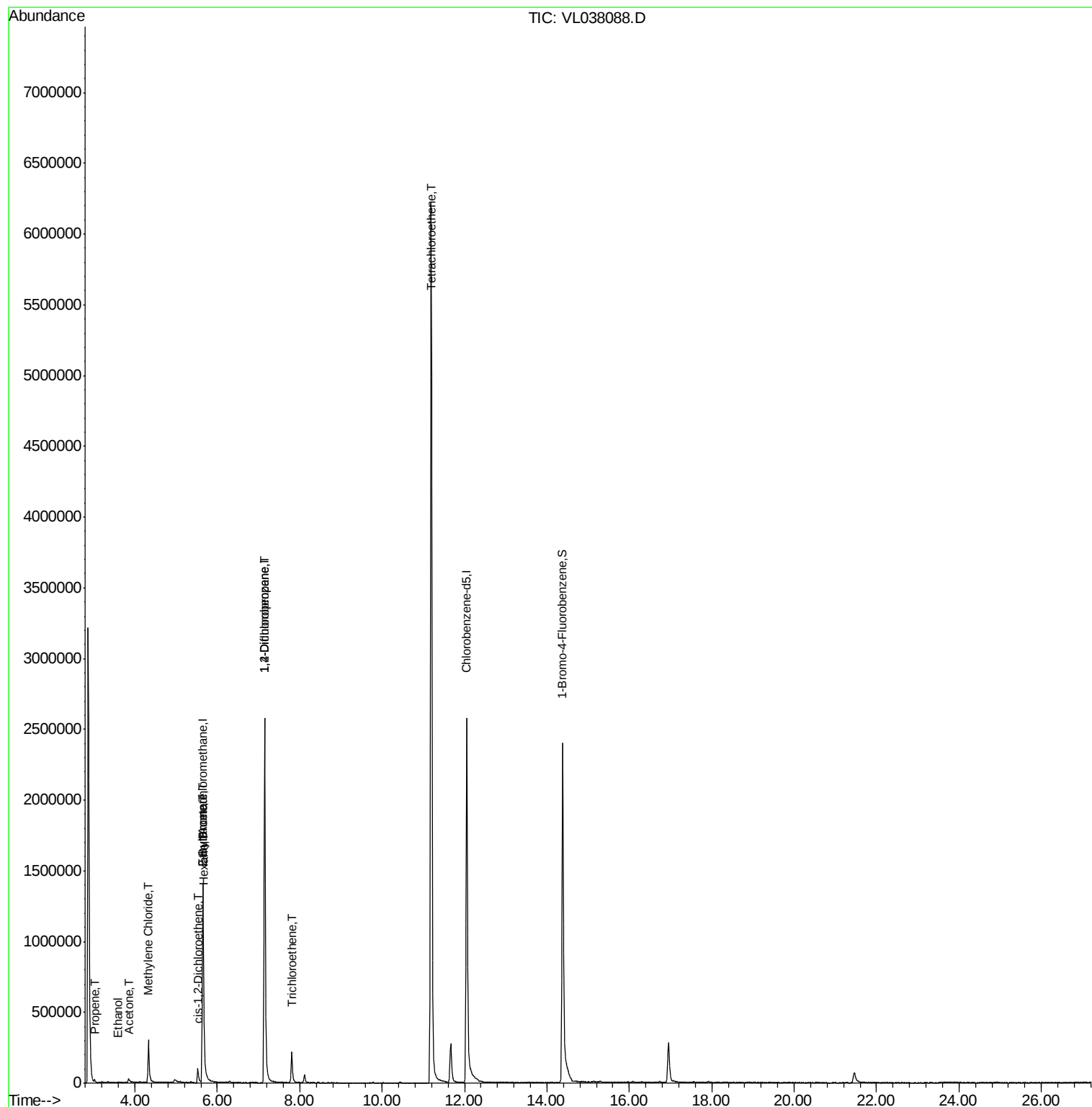
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	4121	0.066	ppbv	89
13) Ethanol	3.58	45	452	0.074	ppbv #	32
15) Acetone	3.85	43	26760	0.380	ppbv #	74
20) Methylene Chloride	4.33	84	123654	3.133	ppbv	98
25) Ethyl Acetate	5.66	43	73744	0.315	ppbv #	79
26) Hexane	5.67	57	99489	0.881	ppbv #	44
31) cis-1,2-Dichloroethene	5.53	61	60677	0.565	ppbv	92
34) 2-Butanone	5.66	43	73744	0.805	ppbv #	53
38) Trichloroethene	7.81	130	72790	0.851	ppbv	89
39) 1,2-Dichloropropane	7.15	63	567539	6.527	ppbv #	27
52) Tetrachloroethene	11.19	164	1748290	20.845	ppbv	99

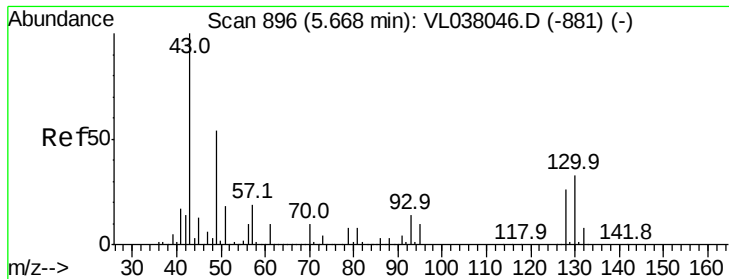
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111921\
Data File : VL038088.D
Acq On : 19 Nov 2021 16:55
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 06:36:10 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: SVP-1DL2

Acq: 19 Nov 2021 16:55

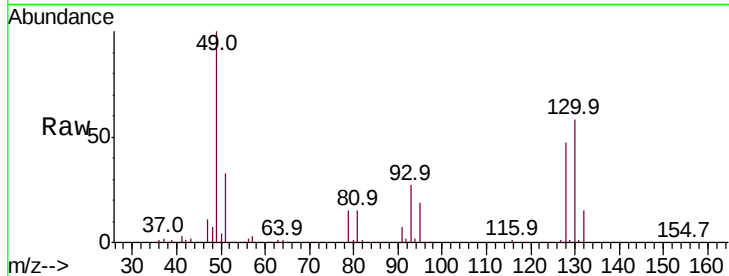
Tot Ion: 49 Resp: 812638

Ion Ratio Lower Upper

49 100

128 48.8 26.5 79.5

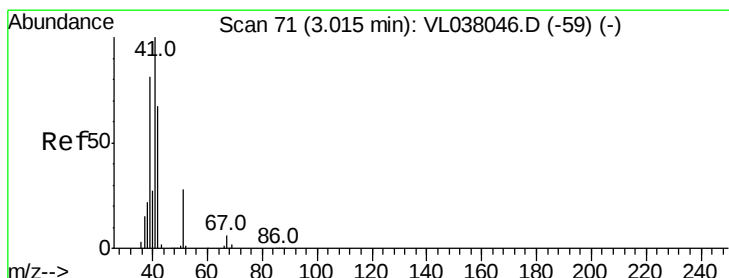
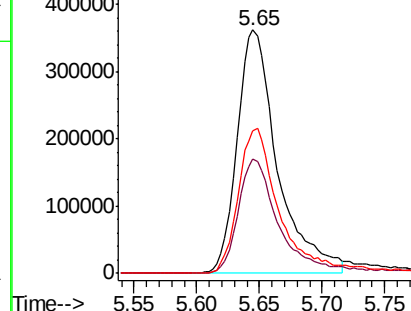
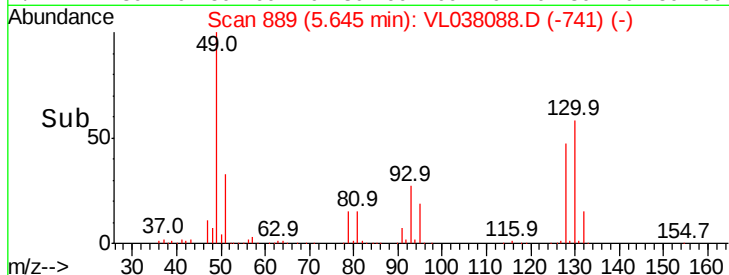
130 62.8 32.5 97.4



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: 0.066 ppbv

RT: 3.01 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL038088.D

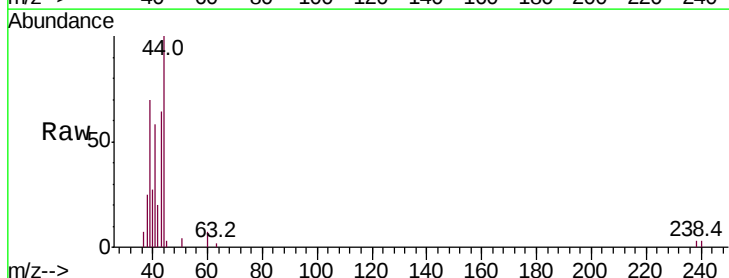
Acq: 19 Nov 2021 16:55

Tgt Ion: 41 Resp: 4121

Ion Ratio Lower Upper

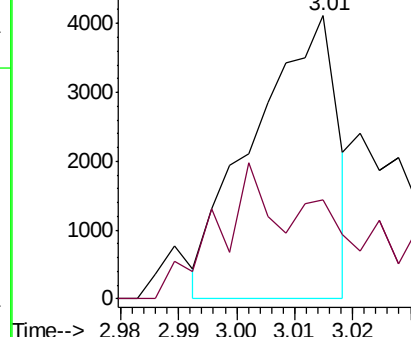
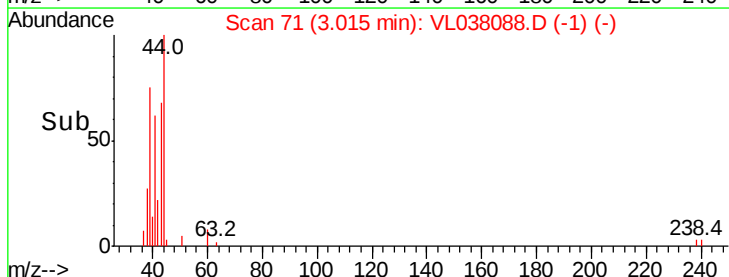
41 100

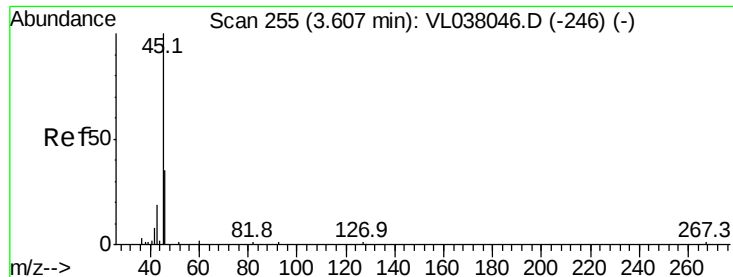
42 76.1 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

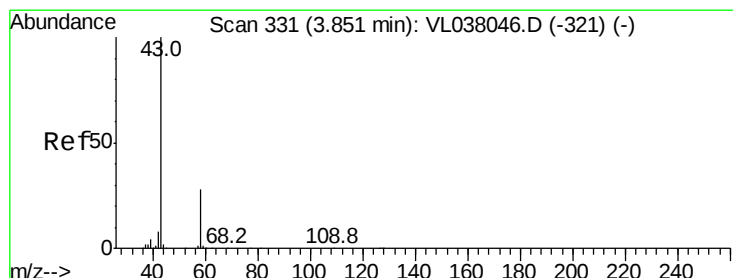
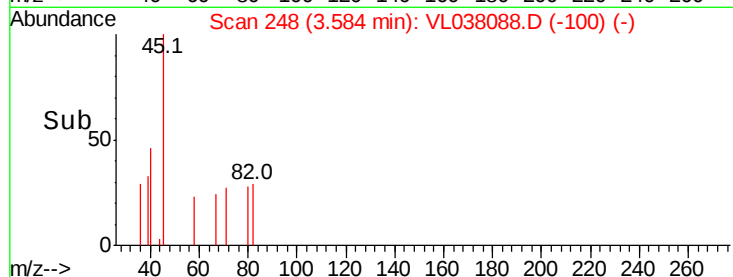
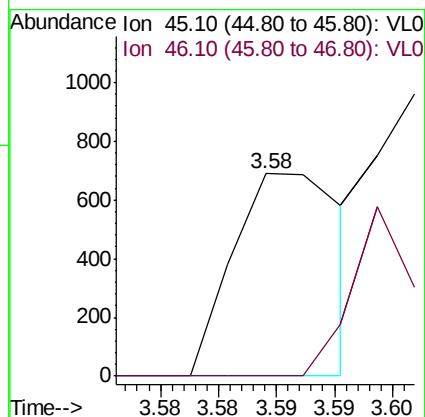
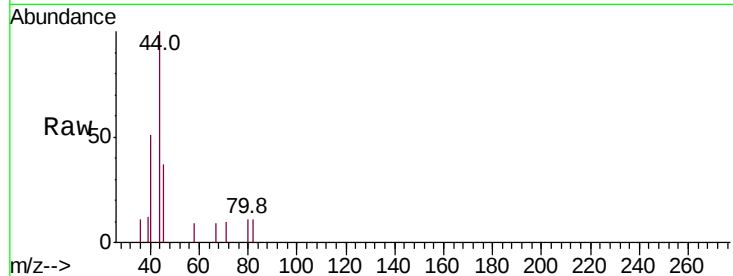
Ion 42.10 (41.80 to 42.80): VL0





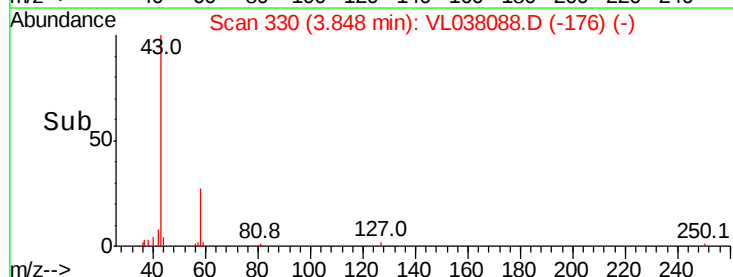
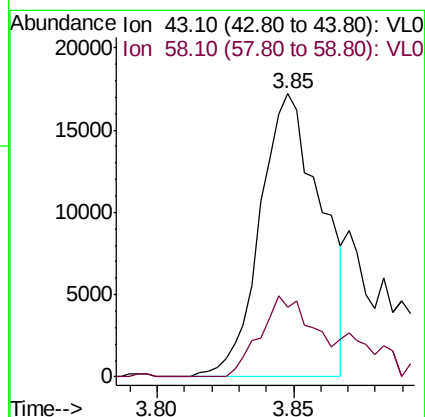
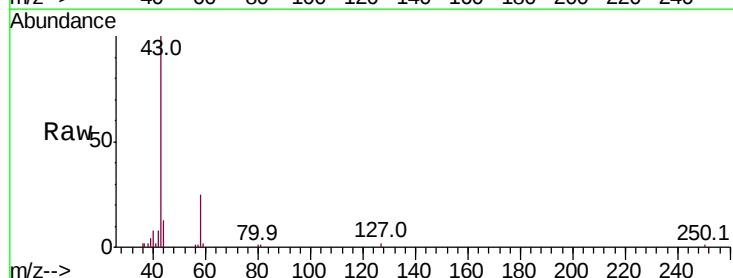
#13
Ethanol
Concen: 0.074 ppbv
RT: 3.58
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 19 Nov 2021 16:55

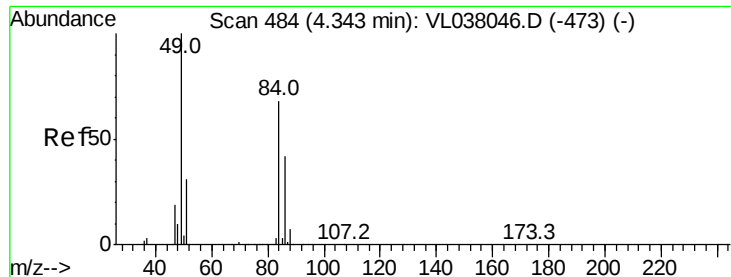
Tot Ion: 45 Resp: 452
Ion Ratio Lower Upper
45 100
46 0.0 17.6 70.2#



#15
Acetone
Concen: 0.380 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL038088.D
Acq: 19 Nov 2021 16:55

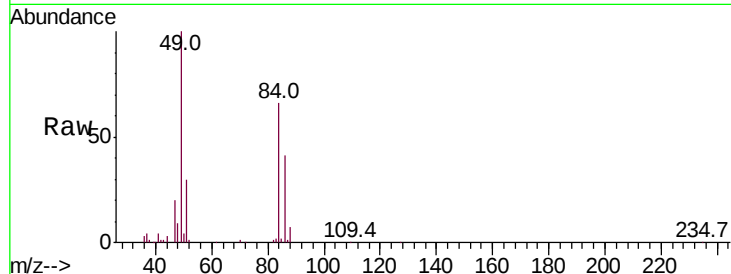
Tgt Ion: 43 Resp: 26760
Ion Ratio Lower Upper
43 100
58 41.5 22.4 33.6#





#20
Methvlene Chloride
Concen: 3.133 ppbv
RT: 4.33
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
SVP-1DL2
Acq: 19 Nov 2021 16:55

Tot Ion:	84	Resp:	123654
Ion	Ratio	Lower	Upper
84	100		
49	150.8	118.2	177.2
51	45.3	36.8	55.2
86	61.3	49.0	73.6



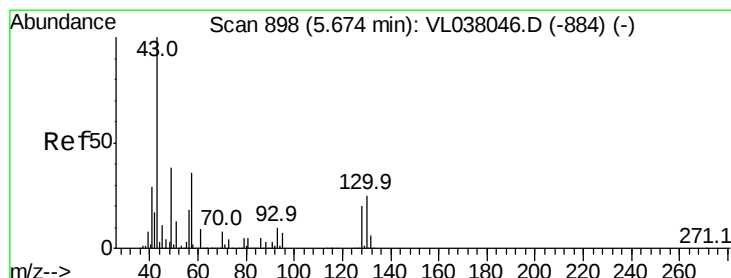
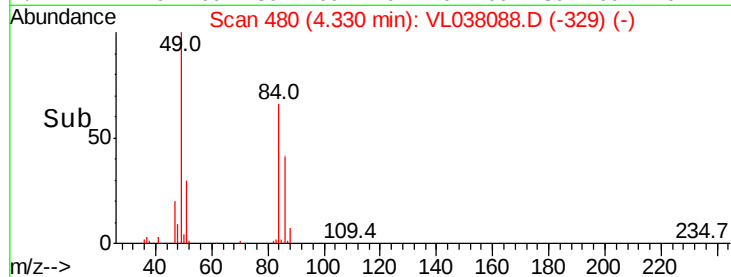
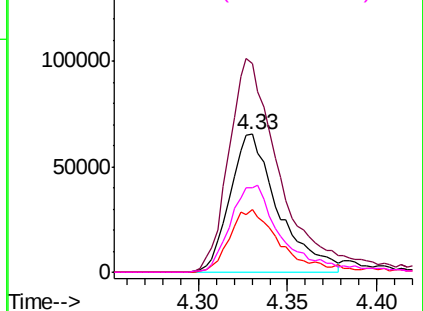
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#25
Ethyl Acetate
Concen: 0.315 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL038088.D
Acq: 19 Nov 2021 16:55

Tgt Ion:	43	Resp:	73744
Ion	Ratio	Lower	Upper
43	100		
45	0.1	7.9	11.9#
61	3.1	7.8	11.6#
70	1.5	5.8	8.8#

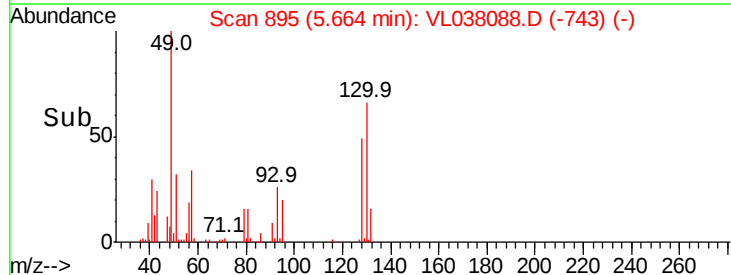
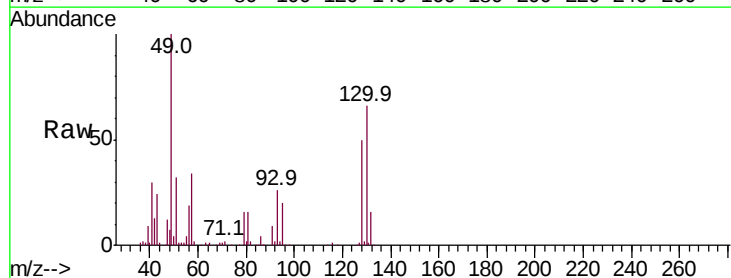
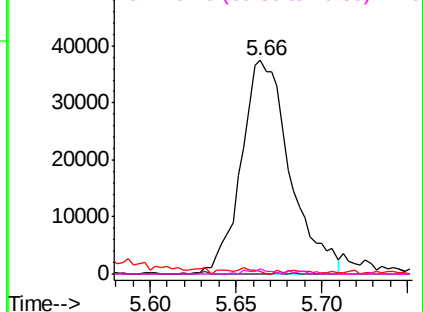
Abundance

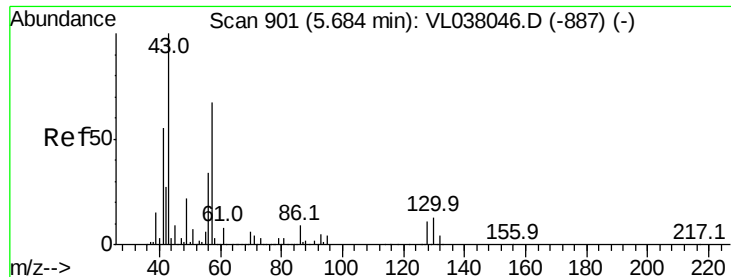
Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

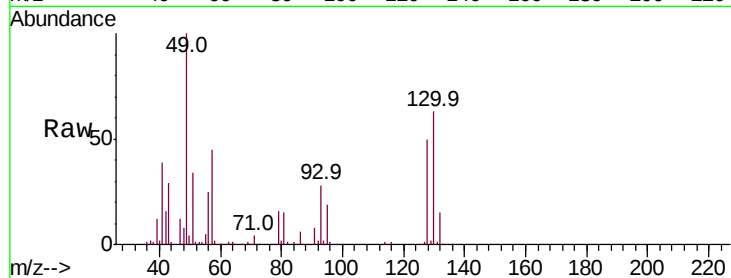
Ion 70.10 (69.80 to 70.80): VL0



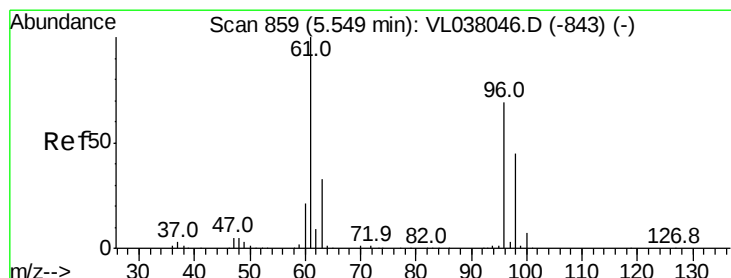
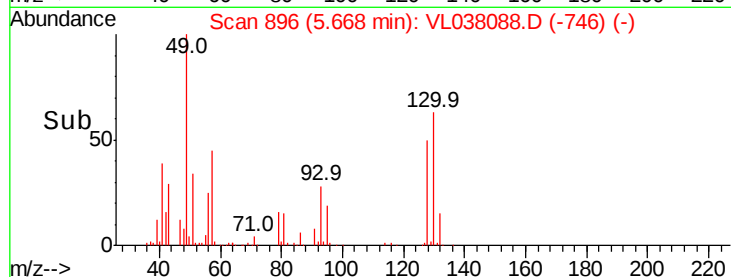
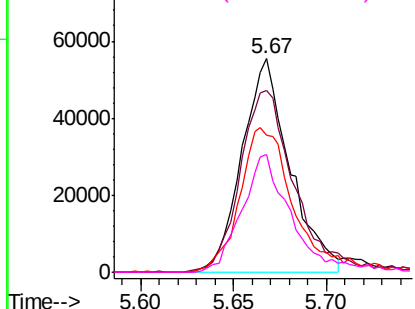


#26
Hexane
Concen: 0.881 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 16:55

Tot Ion:	57	Resp:	99489
Ion	Ratio	Lower	Upper
57	100		
41	99.7	71.4	107.2
43	78.9	174.6	261.8#
56	58.4	43.2	64.8

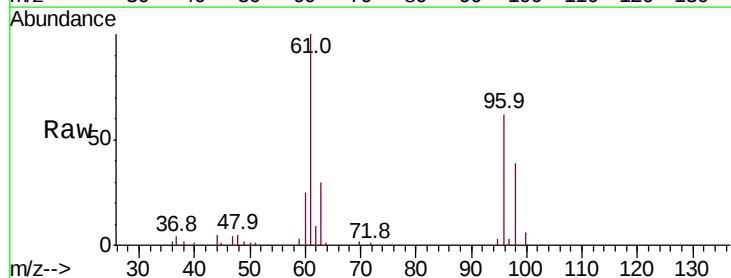


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

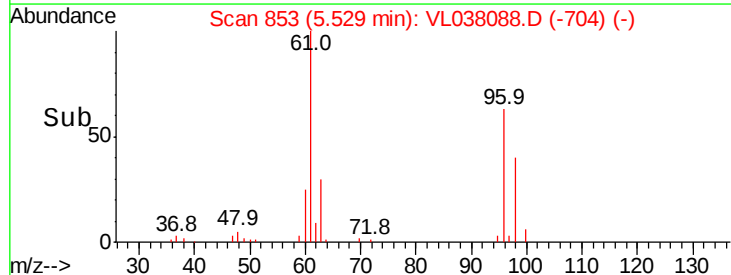
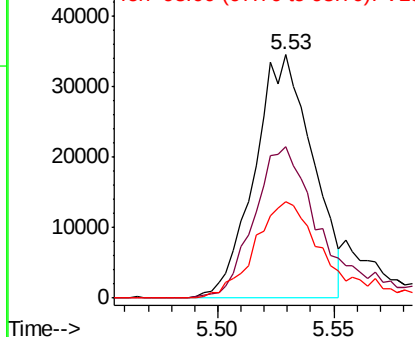


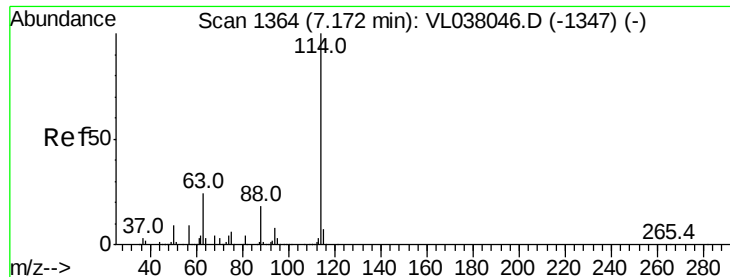
#31
cis-1,2-Dichloroethene
Concen: 0.565 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.02 min
Lab File: VL038088.D
Acq: 19 Nov 2021 16:55

Tgt Ion:	61	Resp:	60677
Ion	Ratio	Lower	Upper
61	100		
96	62.4	55.4	83.2
98	39.4	35.7	53.5



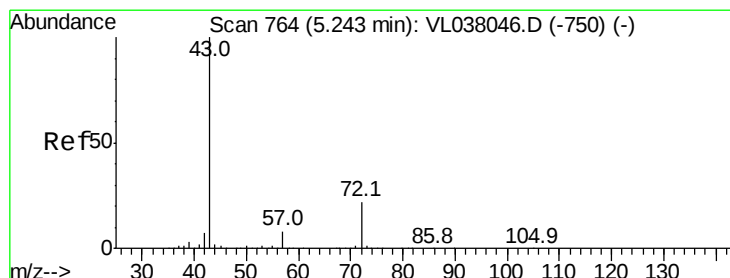
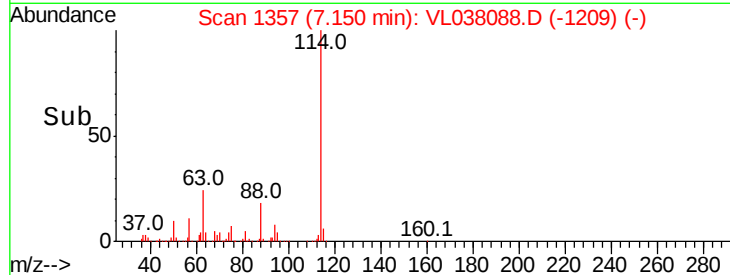
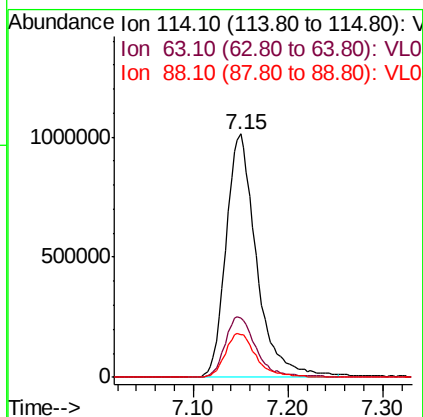
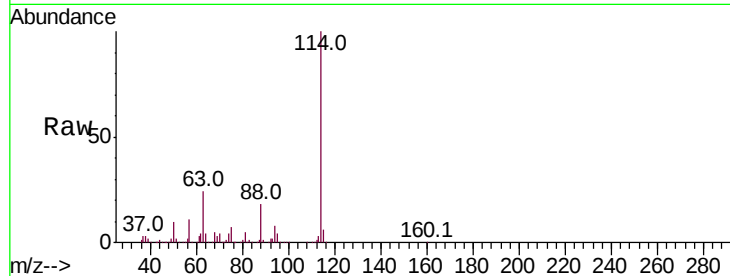
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0





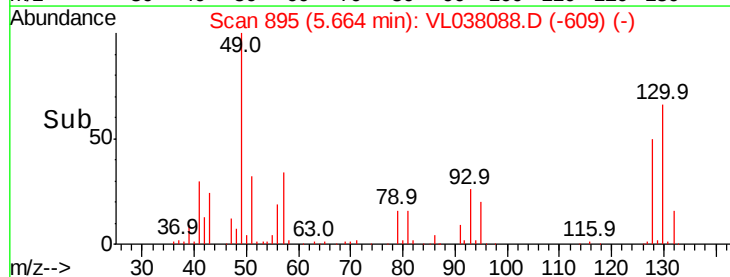
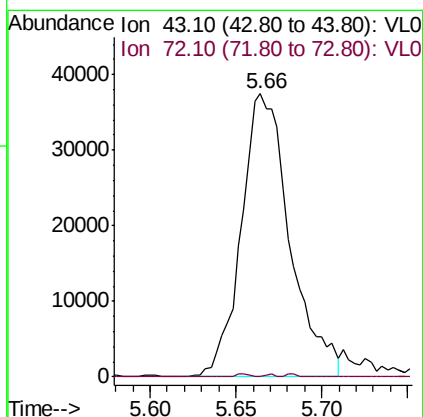
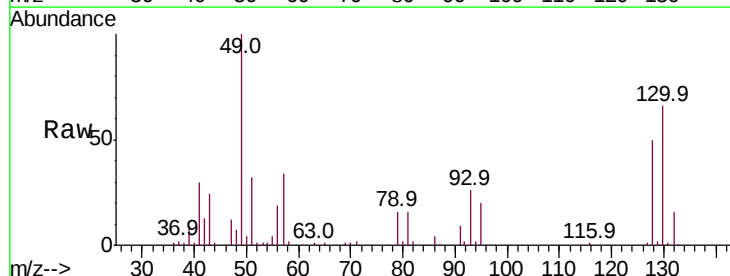
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 SVP-1DL2
 Acq: 19 Nov 2021 16:55

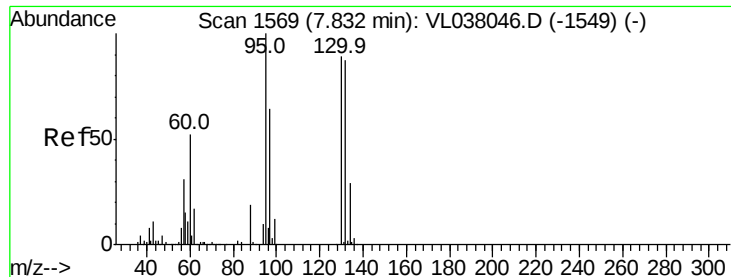
Tot Ion:114 Resp: 2272329
 Ion Ratio Lower Upper
 114 100
 63 25.7 19.7 29.5
 88 18.3 14.4 21.6



#34
 2-Butanone
 Concen: 0.805 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. 0.42 min
 Lab File: VL038088.D
 Acq: 19 Nov 2021 16:55

Tgt Ion: 43 Resp: 73744
 Ion Ratio Lower Upper
 43 100
 72 0.4 18.8 28.2#





#38

Trichloroethene

Concen: 0.851 ppbv

RT: 7.81 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

SVP-1DL2

Acq: 19 Nov 2021 16:55

Tot Ion:130 Resp: 72790

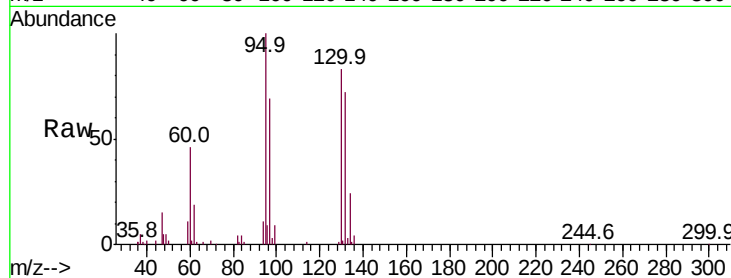
Ion Ratio Lower Upper

130 100

95 121.1 89.4 134.2

132 87.2 78.2 117.2

97 83.3 57.0 85.4

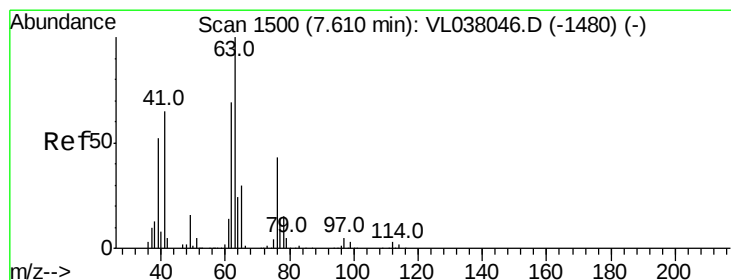
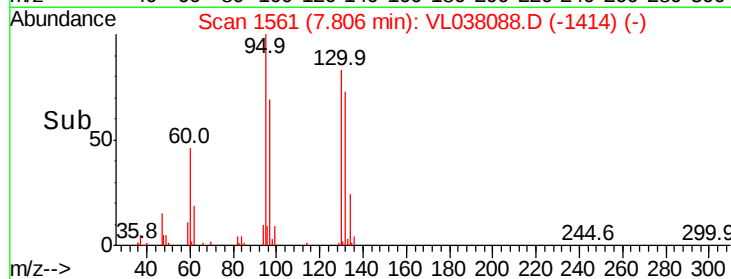
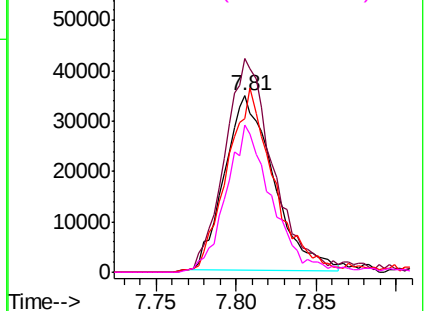


Abundance Ion 130.00 (129.70 to 130.70): V

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: 6.527 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.46 min

Lab File: VL038088.D

Acq: 19 Nov 2021 16:55

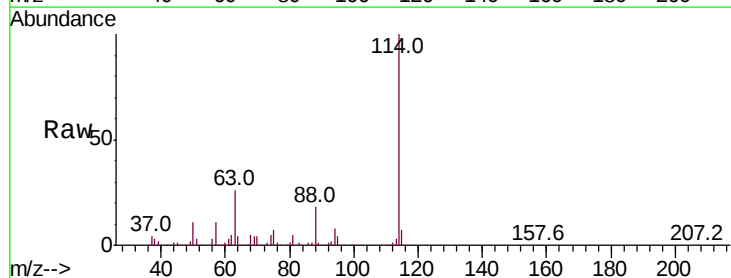
Tgt Ion: 63 Resp: 567539

Ion Ratio Lower Upper

63 100

41 0.0 52.3 78.5#

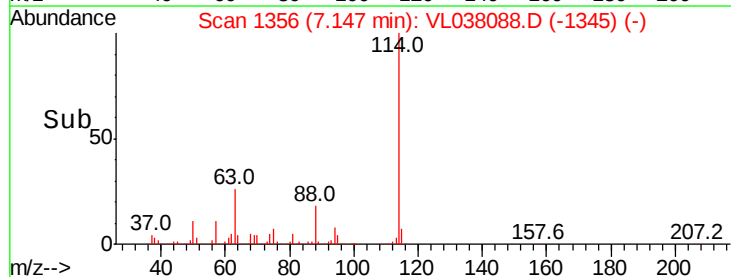
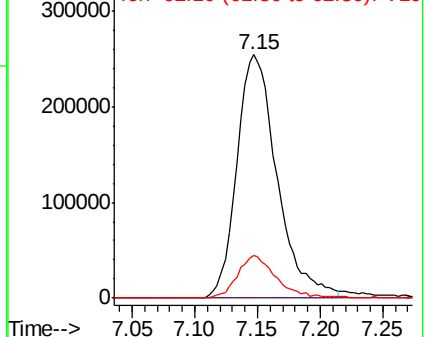
62 17.6 55.1 82.7#

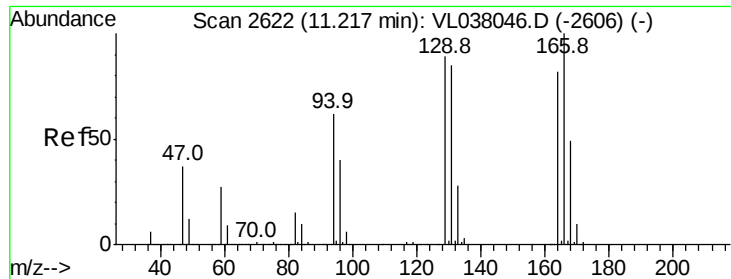


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 20.845 ppbv

RT: 11.19

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 16:55

Tot Ion:164 Resp: 1748290

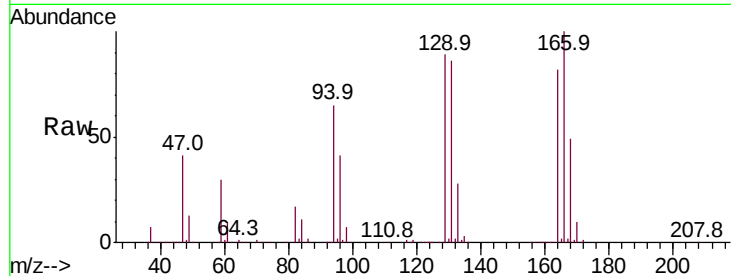
Ion Ratio Lower Upper

164 100

166 121.3 97.2 145.8

129 107.4 86.9 130.3

131 103.8 82.8 124.2

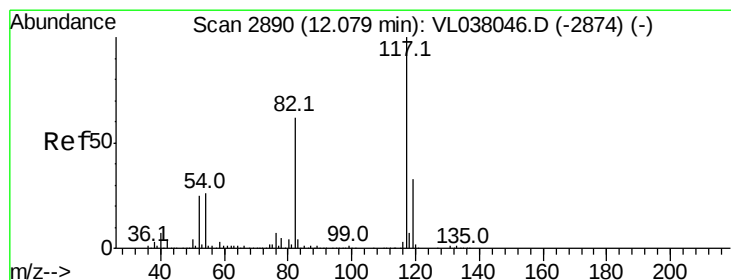
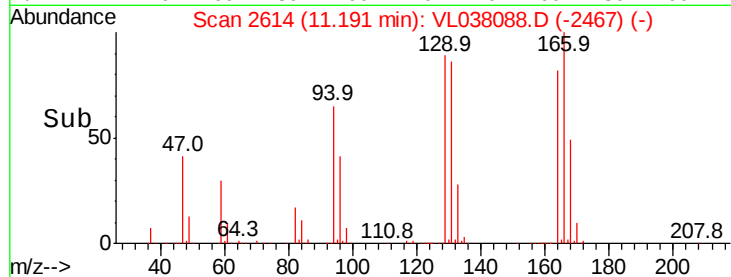
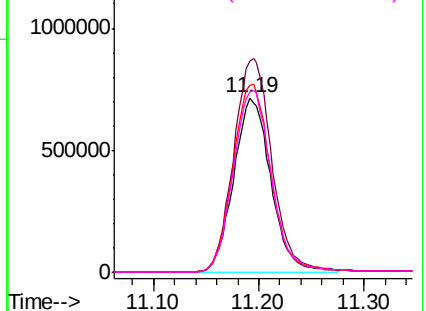


Abundance Ion 163.90 (163.60 to 164.60): V

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: VL038088.D

Acq: 19 Nov 2021 16:55

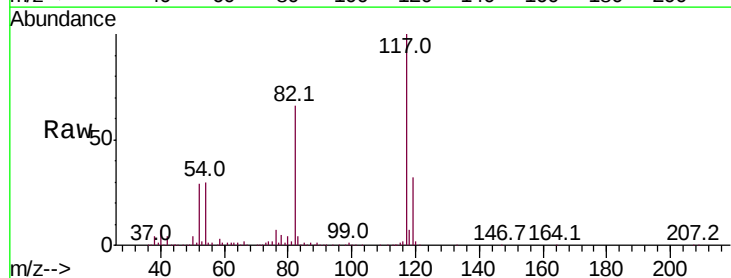
Tgt Ion:117 Resp: 1861269

Ion Ratio Lower Upper

117 100

82 71.9 52.8 79.2

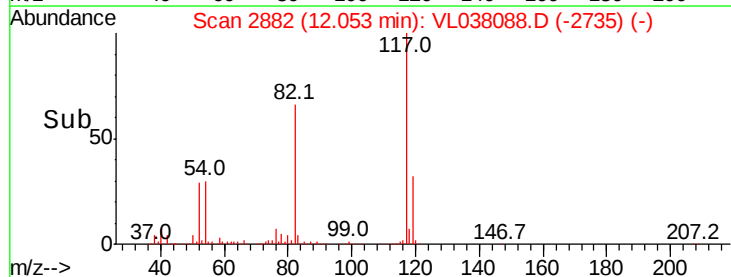
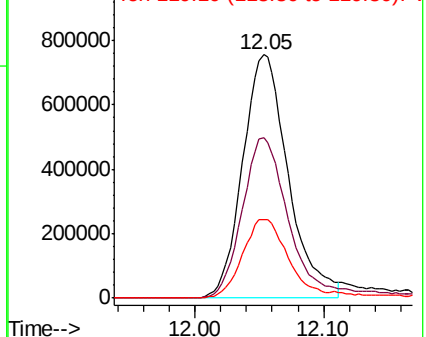
119 35.2 26.8 40.2

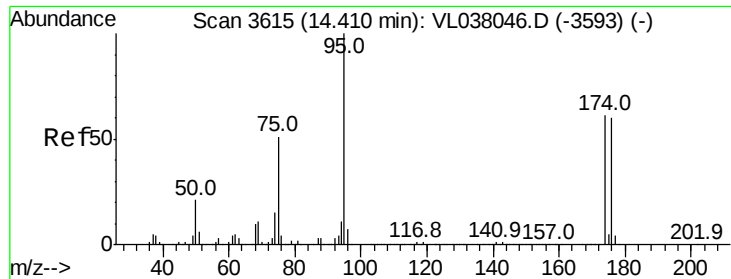


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.714 ppbv

RT: 14.38

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

SVP-1DL2

Acq: 19 Nov 2021 18:35

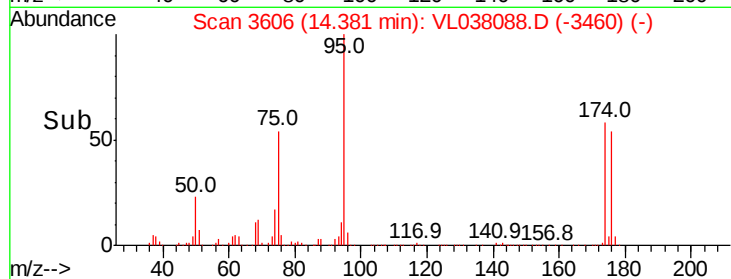
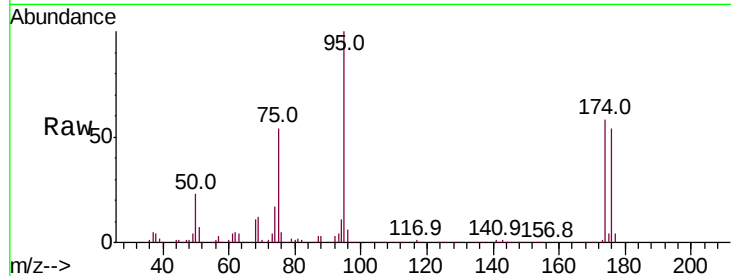
Tot Ion: 95 Resp: 1438383

Ion Ratio Lower Upper

95 100

174 63.4 53.1 79.7

175 4.3 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

