

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021422\
 Data File : VL038345.D
 Acq On : 14 Feb 2022 18:12
 Operator : SY/AP
 Sample : N1442-01DL2 300X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Quant Time: Feb 15 00:40:21 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	870915	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2420106	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2058740	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1667952	10.67	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.70%

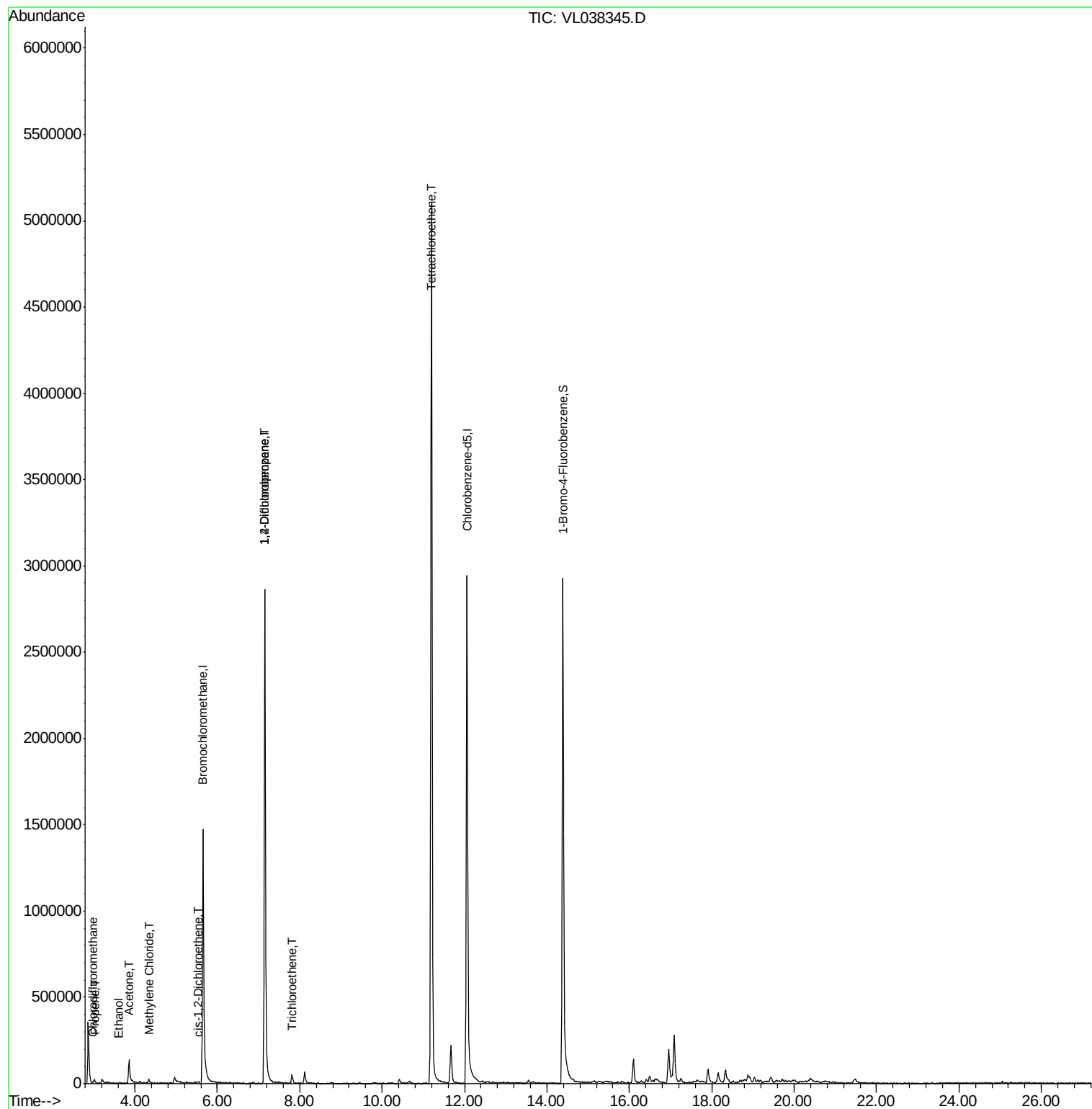
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.98	51	12816	0.07	ppbv	95
9) Propene	3.02	41	6587	0.12	ppbv	83
13) Ethanol	3.60	45	352	0.06	ppbv #	37
15) Acetone	3.86	43	206365	2.69	ppbv	96
20) Methylene Chloride	4.33	84	4440	0.10	ppbv	94
31) cis-1,2-Dichloroethene	5.53	61	2790	0.03	ppbv #	71
38) Trichloroethene	7.81	130	7014	0.09	ppbv	95
39) 1,2-Dichloropropane	7.15	63	627366	7.23	ppbv #	25
52) Tetrachloroethene	11.20	164	1332775	18.06	ppbv	99

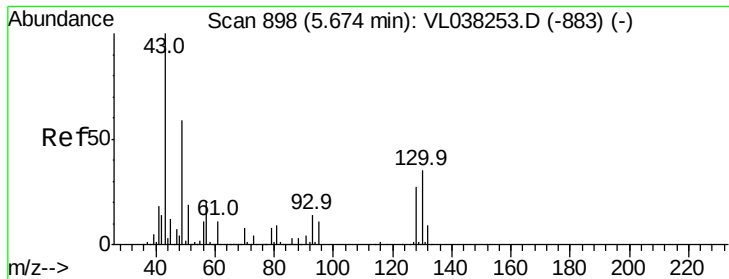
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL021422\
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Quant Time: Feb 15 00:40:21 2022
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Feb 2022 18:12 SV1DL2

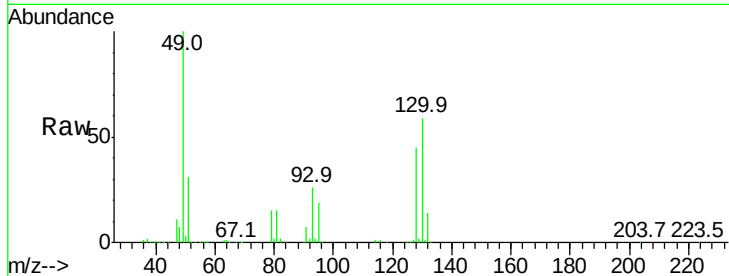
Tgt Ion: 49 Resp: 870915

Ion Ratio Lower Upper

49 100

128 47.7 24.5 73.5

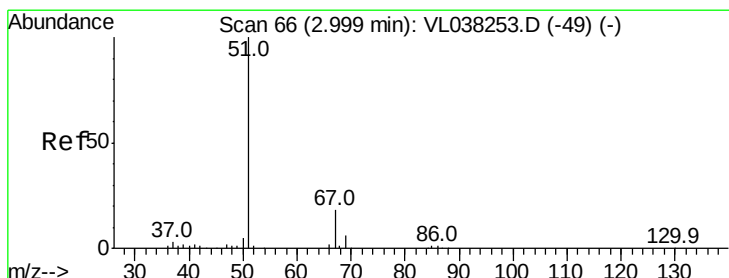
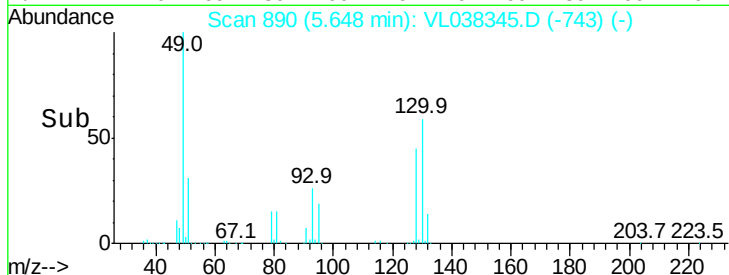
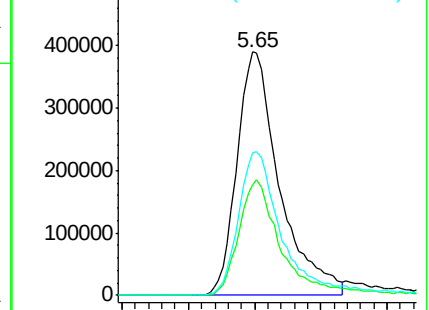
130 63.2 30.1 90.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.07 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.02 min

Lab File: VL038345.D

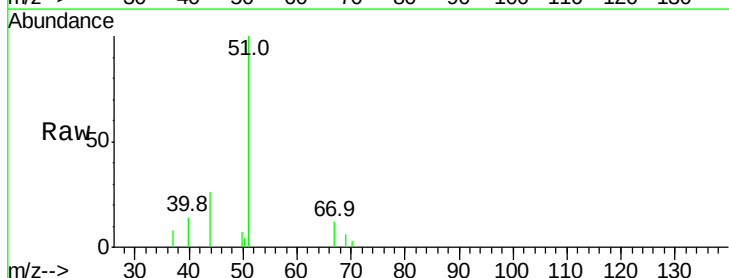
Acq: 14 Feb 2022 18:12

Tgt Ion: 51 Resp: 12816

Ion Ratio Lower Upper

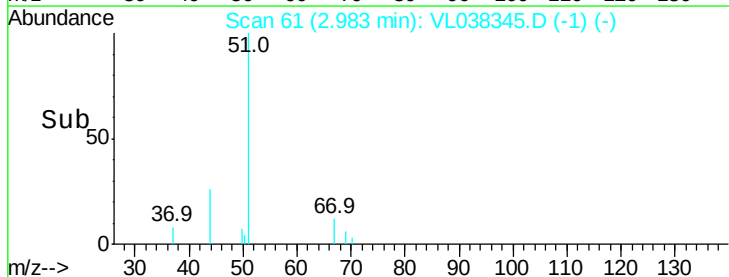
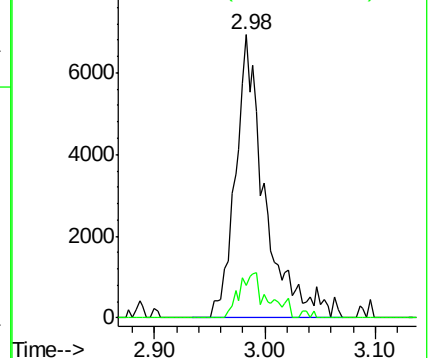
51 100

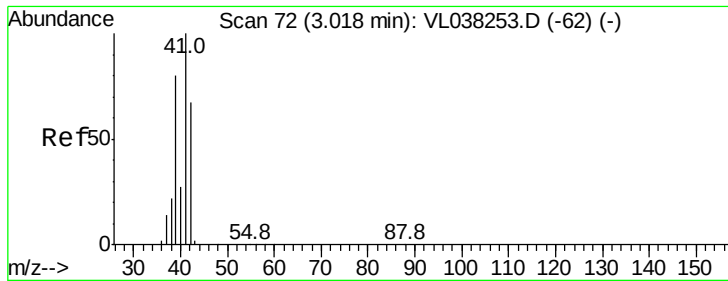
67 15.7 14.4 21.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.12 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

SV1DL2

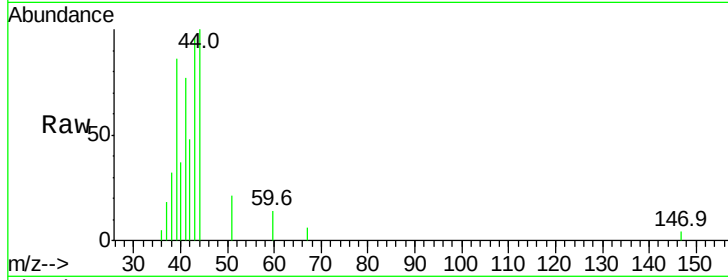
Acq: 14 Feb 2022 18:12

Tgt Ion: 41 Resp: 6587

Ion Ratio Lower Upper

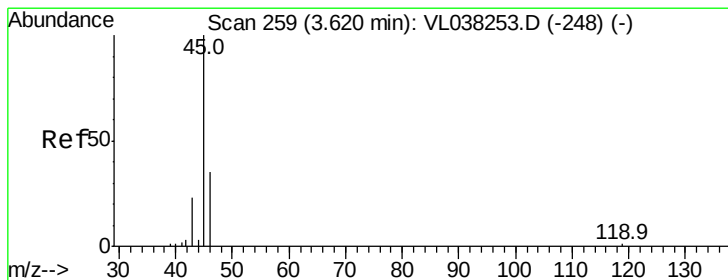
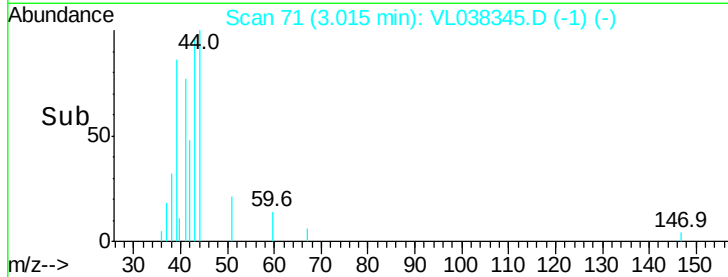
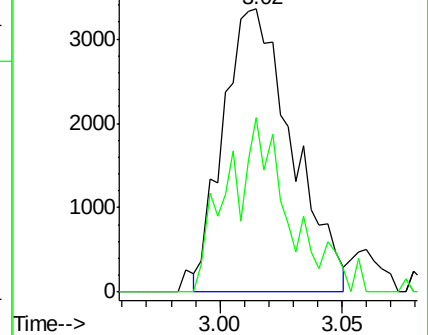
41 100

42 55.1 54.9 82.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 0.06 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.02 min

Lab File: VL038345.D

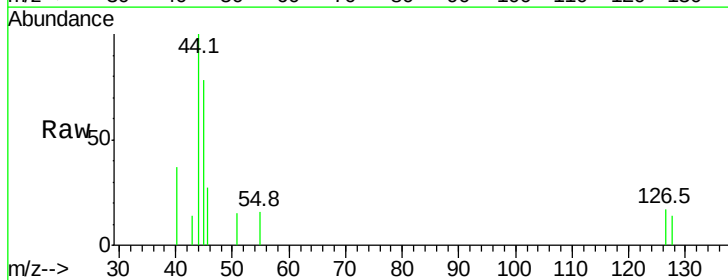
Acq: 14 Feb 2022 18:12

Tgt Ion: 45 Resp: 352

Ion Ratio Lower Upper

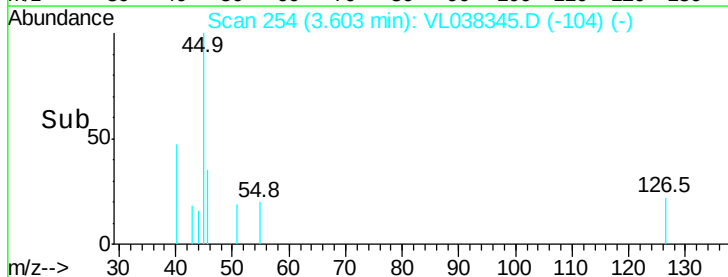
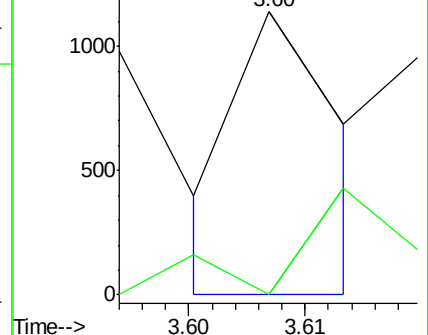
45 100

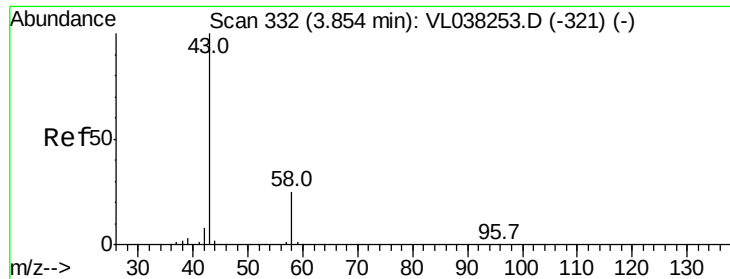
46 0.0 15.4 61.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 2.69 ppbv

RT: 3.86 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV1DL2

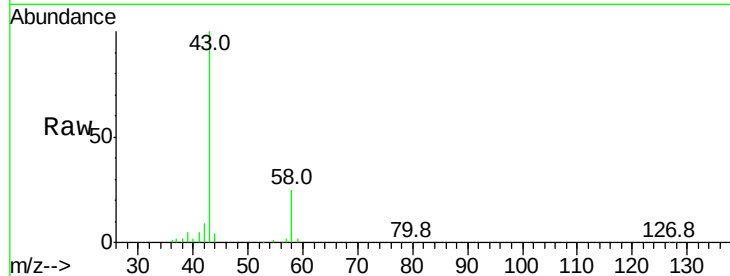
Acq: 14 Feb 2022 18:12

Tgt Ion: 43 Resp: 206365

Ion Ratio Lower Upper

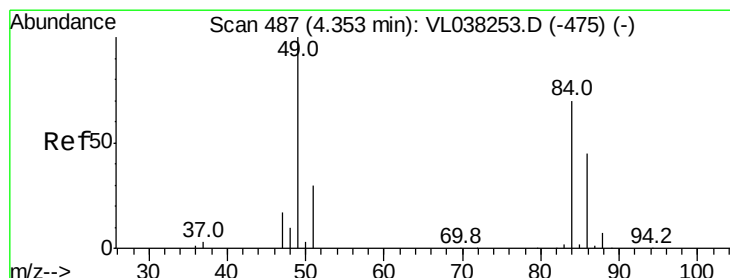
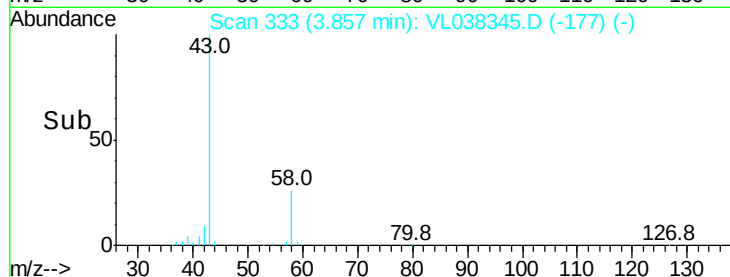
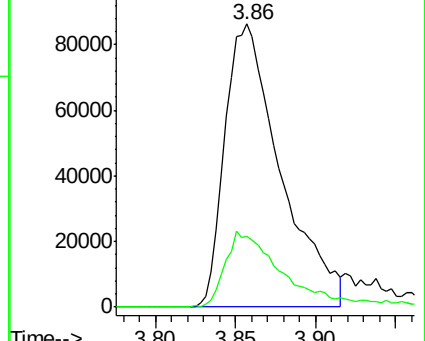
43 100

58 28.9 21.5 32.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.10 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.02 min

Lab File: VL038345.D

Acq: 14 Feb 2022 18:12

Tgt Ion: 84 Resp: 4440

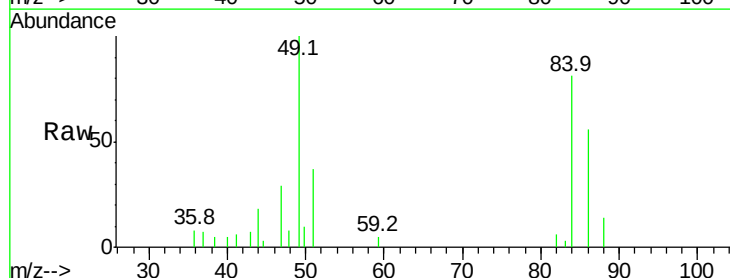
Ion Ratio Lower Upper

84 100

49 136.3 115.0 172.6

51 40.8 35.0 52.6

86 68.7 51.4 77.0

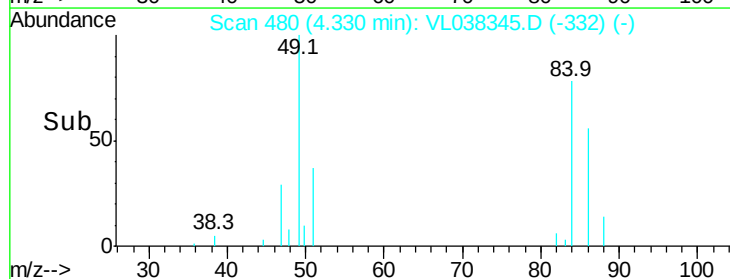
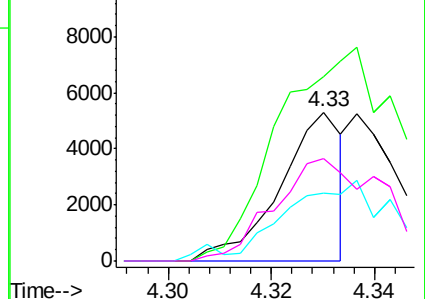


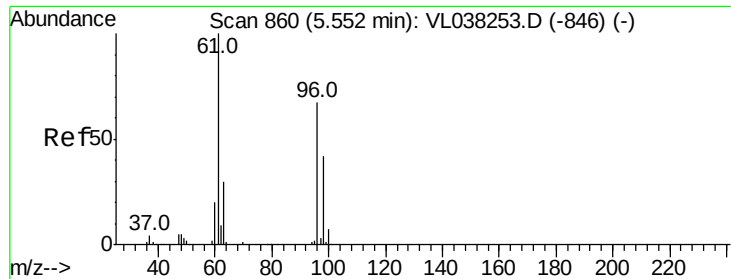
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#31

cis-1,2-Dichloroethene

Concen: 0.03 ppbv

RT: 5.53 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SV1DL2

Acq: 14 Feb 2022 18:12

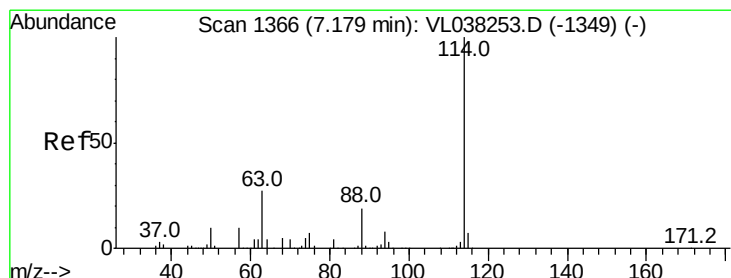
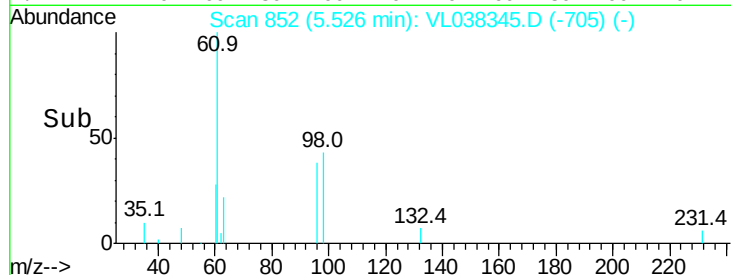
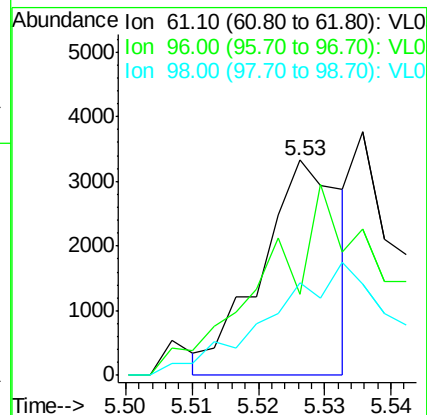
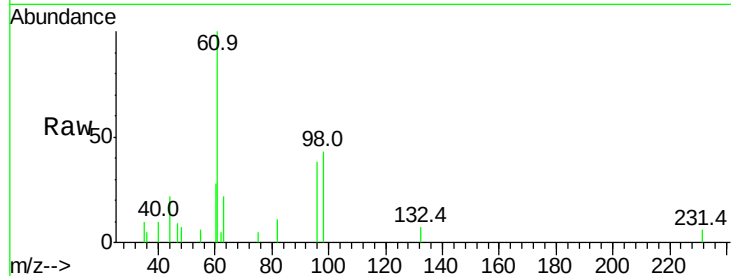
Tgt Ion: 61 Resp: 2790

Ion Ratio Lower Upper

61 100

96 29.3 53.3 79.9#

98 41.7 33.7 50.5



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.03 min

Lab File: VL038345.D

Acq: 14 Feb 2022 18:12

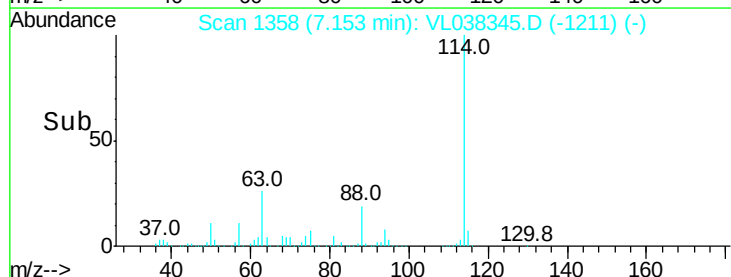
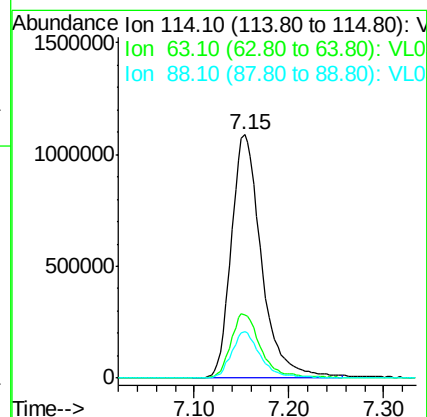
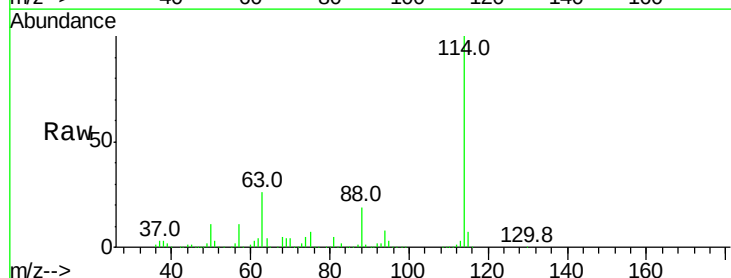
Tgt Ion: 114 Resp: 2420106

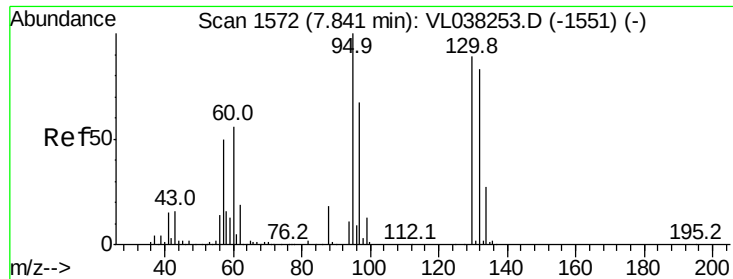
Ion Ratio Lower Upper

114 100

63 26.6 22.0 33.0

88 18.6 15.0 22.6





#38

Trichloroethene

Concen: 0.09 ppbv

RT: 7.81 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

SV1DL2

Acq: 14 Feb 2022 18:12

Tgt Ion: 130 Resp: 7014

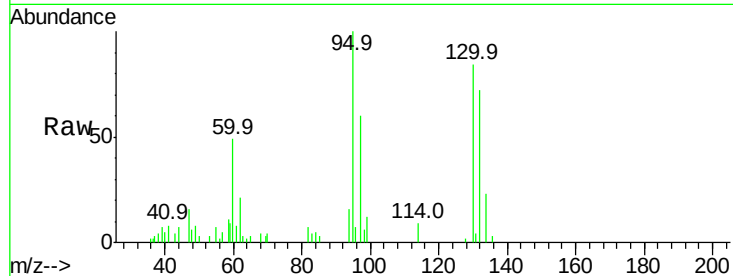
Ion Ratio Lower Upper

130 100

95 116.2 89.4 134.2

132 85.3 74.6 111.8

97 71.6 59.6 89.4

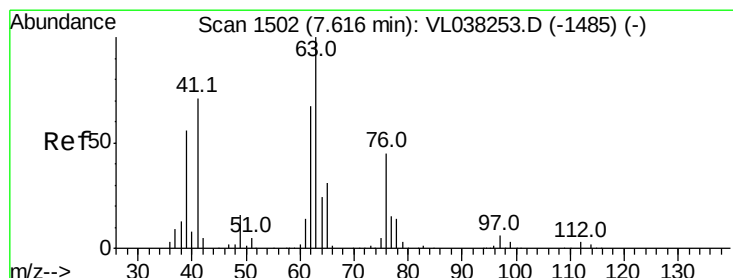
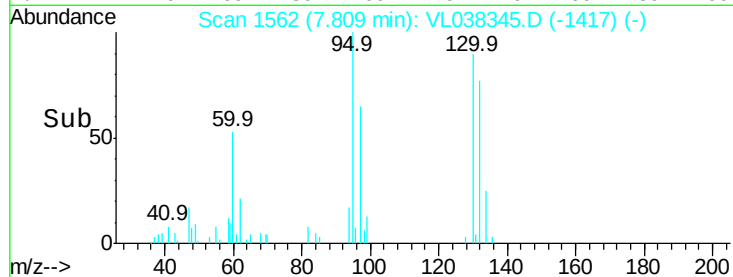
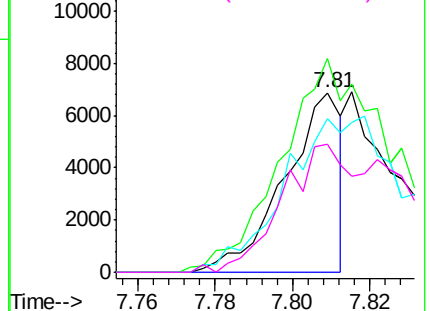


Abundance Ion 130.00 (129.70 to 130.70): V

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: 7.23 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.47 min

Lab File: VL038345.D

Acq: 14 Feb 2022 18:12

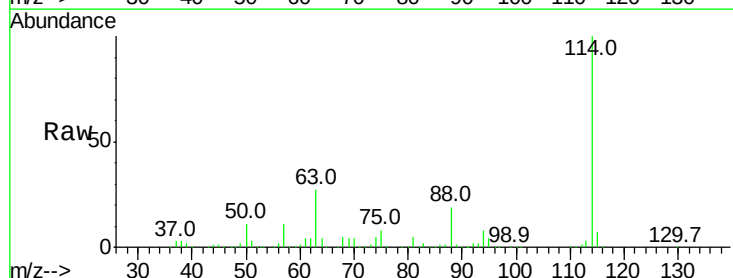
Tgt Ion: 63 Resp: 627366

Ion Ratio Lower Upper

63 100

41 0.0 56.6 85.0#

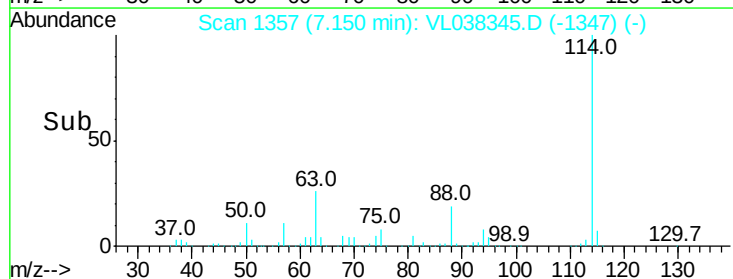
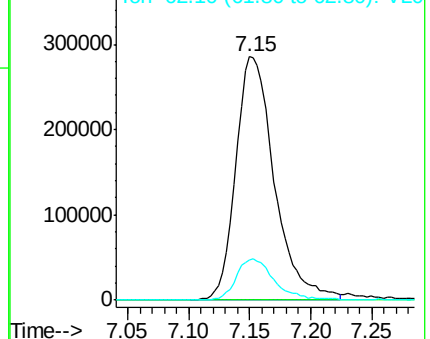
62 16.2 53.9 80.9#

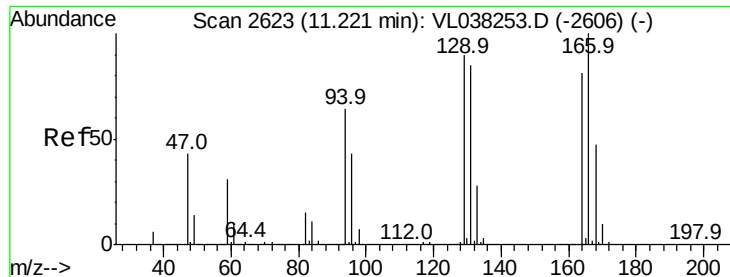


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 18.06 ppbv

RT: 11.20

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Feb 2022 18:12

Tgt Ion:164 Resp: 1332775

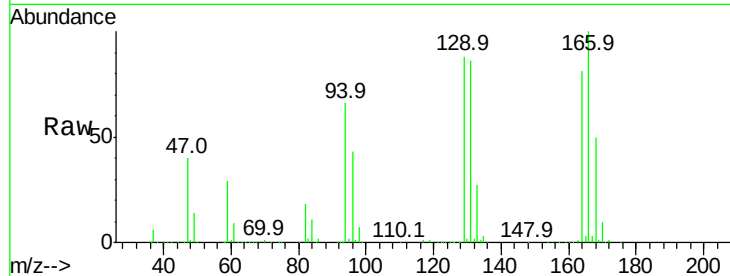
Ion Ratio Lower Upper

164 100

166 124.0 98.8 148.2

129 109.2 89.2 133.8

131 106.2 83.6 125.4

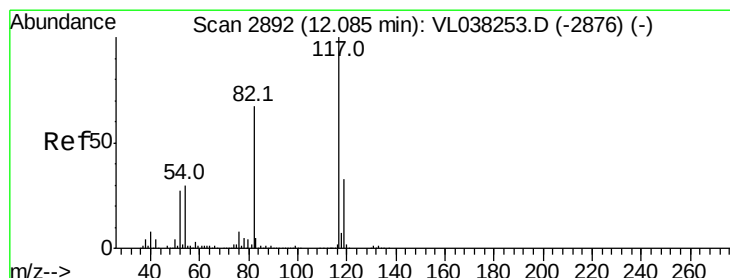
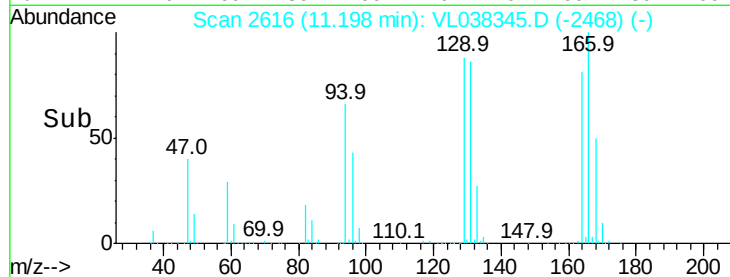
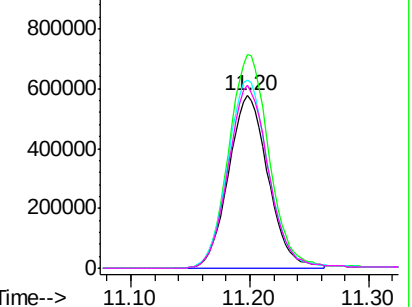


Abundance Ion 163.90 (163.60 to 164.60): V

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: 10.00 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.03 min

Lab File: VL038345.D

Acq: 14 Feb 2022 18:12

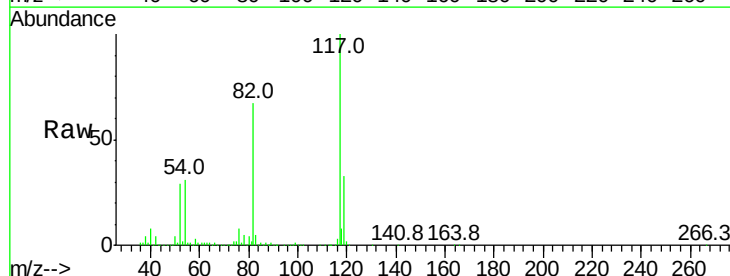
Tgt Ion:117 Resp: 2058740

Ion Ratio Lower Upper

117 100

82 73.0 54.4 81.6

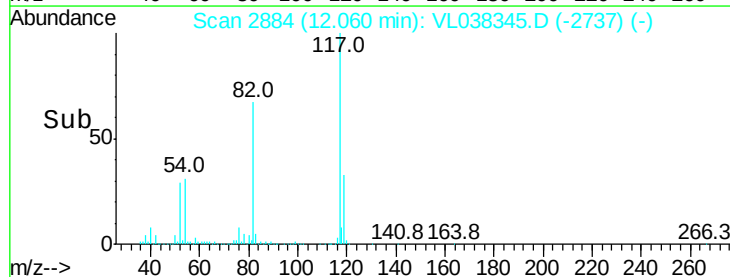
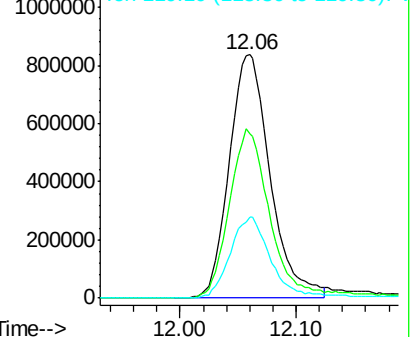
119 34.5 45.9 68.9#

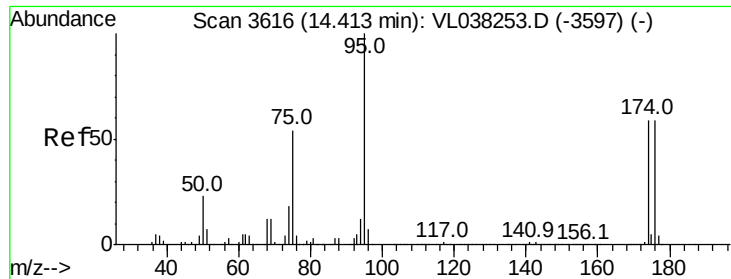


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.67 ppbv

RT: 14.39

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

SV1DL2

Acq: 14 Feb 2022 18.12

Tgt Ion: 95 Resp: 1667952

Ion Ratio Lower Upper

95 100

174 61.7 48.3 72.5

175 4.3 3.5 5.3

