

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021422\
 Data File : VL038346.D
 Acq On : 14 Feb 2022 18:49
 Operator : SY/AP
 Sample : N1442-01DL2 6000X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL3

Quant Time: Feb 15 00:40:29 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	908301	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2327743	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	1997654	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1615449	10.65	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.50%

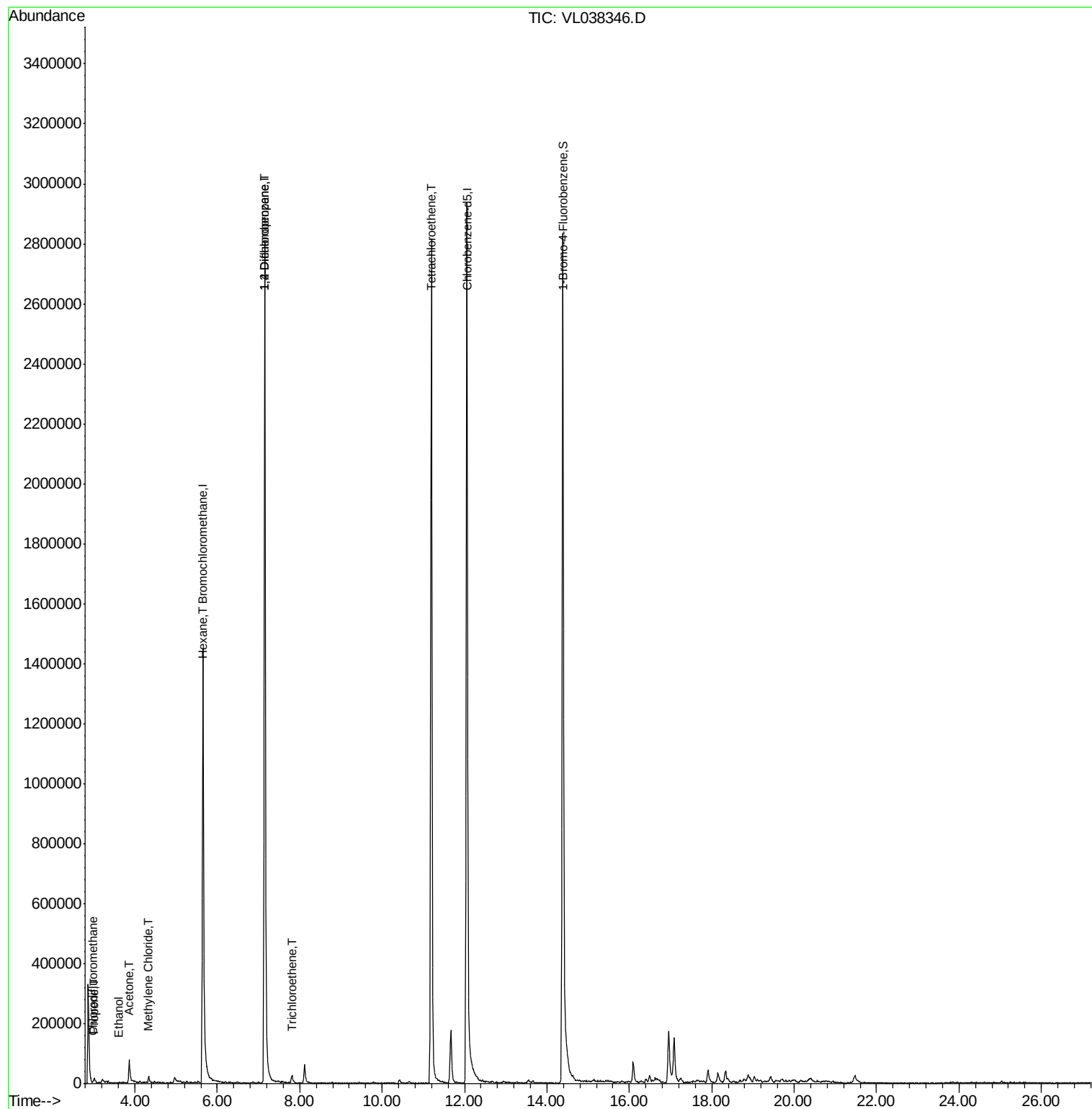
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.98	51	8249	0.05	ppbv	94
9) Propene	3.00	41	1871	0.03	ppbv #	1
13) Ethanol	3.60	45	302	0.05	ppbv #	37
15) Acetone	3.86	43	45305	0.57	ppbv #	48
20) Methylene Chloride	4.34	84	5029	0.11	ppbv #	80
26) Hexane	5.66	57	5231	0.05	ppbv #	41
38) Trichloroethene	7.81	130	5103	0.07	ppbv #	76
39) 1,2-Dichloropropane	7.15	63	630452	7.55	ppbv #	25
52) Tetrachloroethene	11.19	164	712742	10.04	ppbv	98

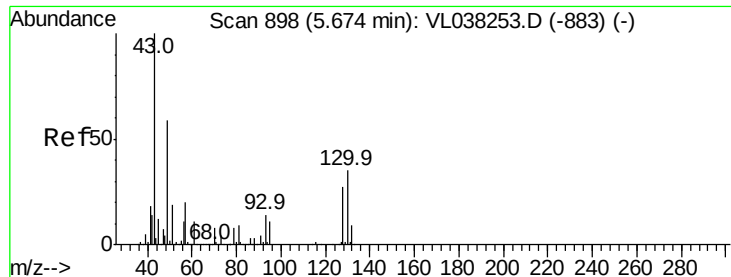
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 15 00:40:29 2022
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV1DL3

Acq: 14 Feb 2022 18:49

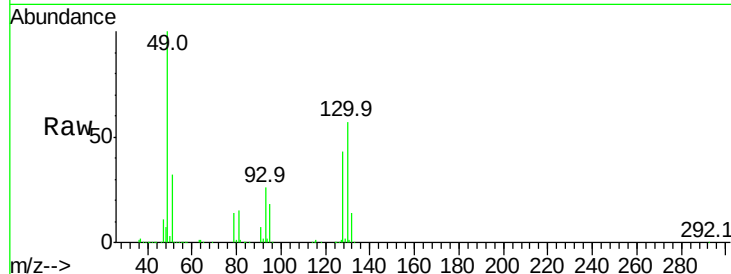
Tgt Ion: 49 Resp: 908301

Ion Ratio Lower Upper

49 100

128 45.5 24.5 73.5

130 59.8 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

500000

400000

300000

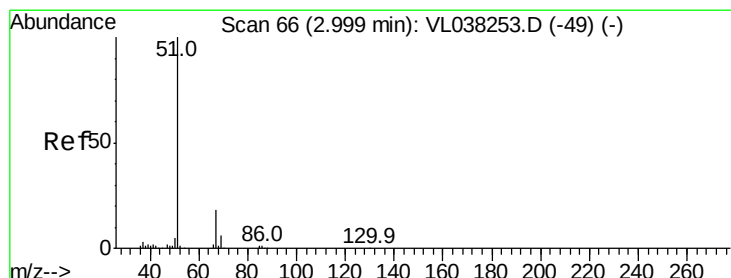
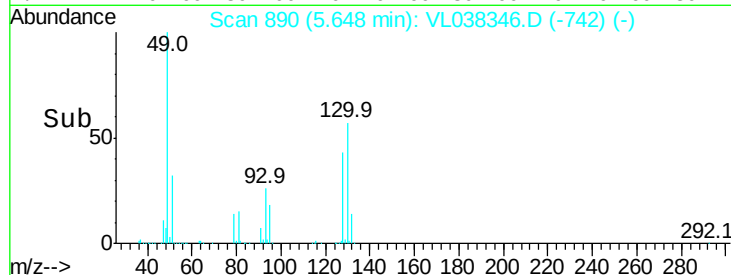
200000

100000

0

5.60 5.65 5.70

Time-->



#3

Chlorodifluoromethane

Concen: 0.05 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.02 min

Lab File: VL038346.D

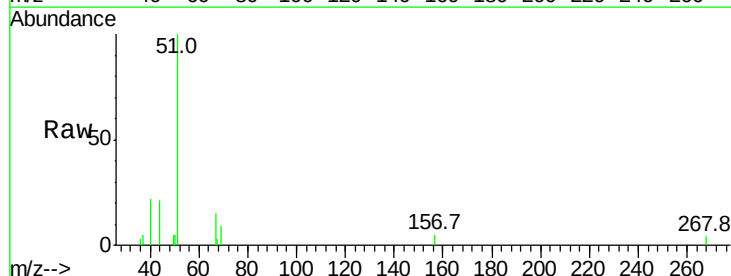
Acq: 14 Feb 2022 18:49

Tgt Ion: 51 Resp: 8249

Ion Ratio Lower Upper

51 100

67 15.2 14.4 21.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

6000

5000

4000

3000

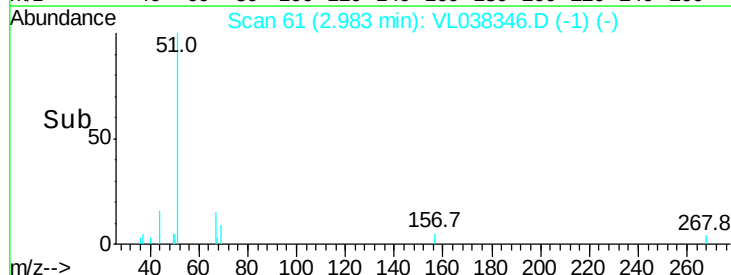
2000

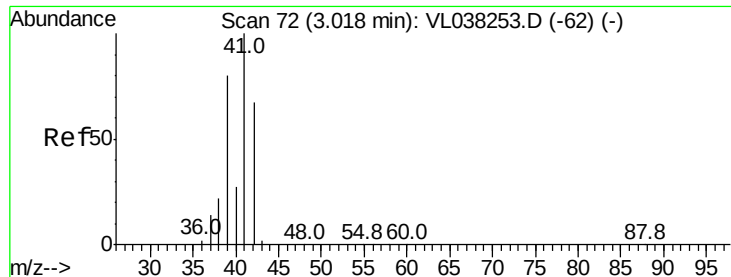
1000

0

2.90 2.98 3.10

Time-->





#9

Propene

Concen: 0.03 ppbv

RT: 3.00 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV1DL3

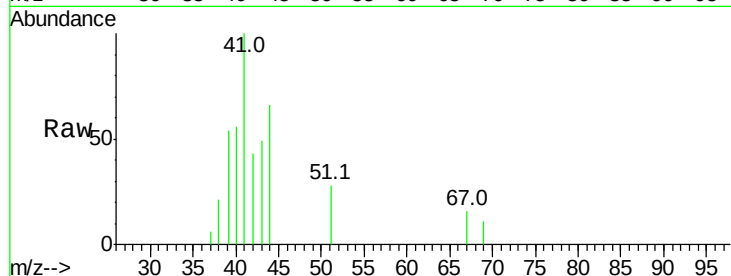
Acq: 14 Feb 2022 18:49

Tgt Ion: 41 Resp: 1871

Ion Ratio Lower Upper

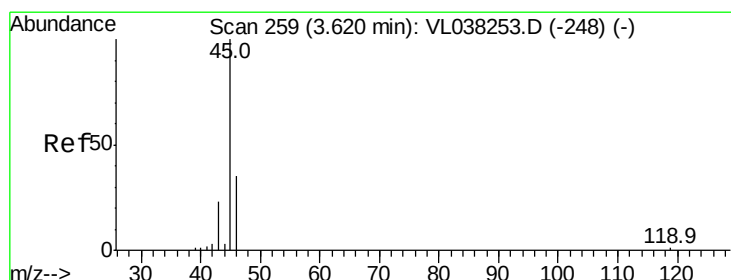
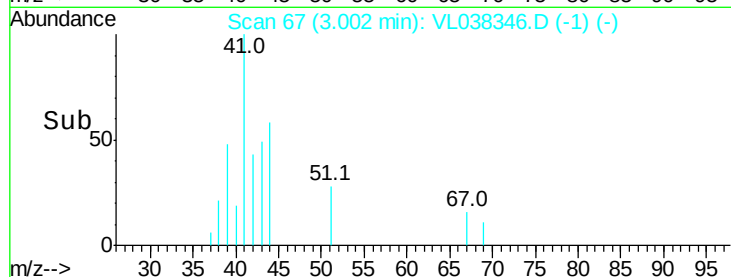
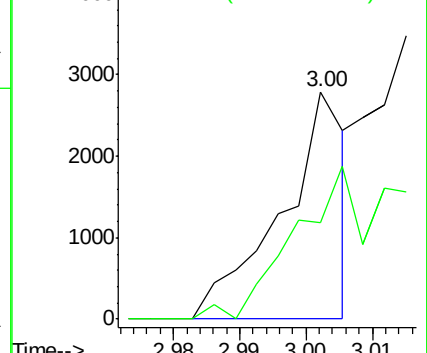
41 100

42 181.9 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: 0.05 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.02 min

Lab File: VL038346.D

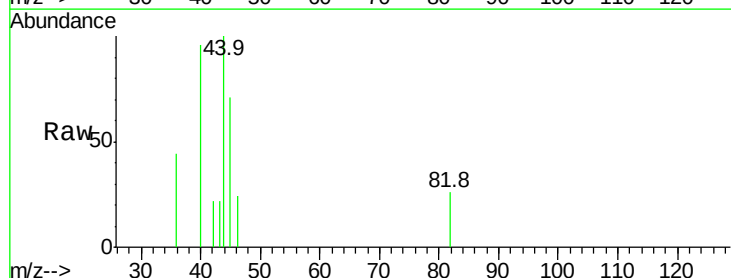
Acq: 14 Feb 2022 18:49

Tgt Ion: 45 Resp: 302

Ion Ratio Lower Upper

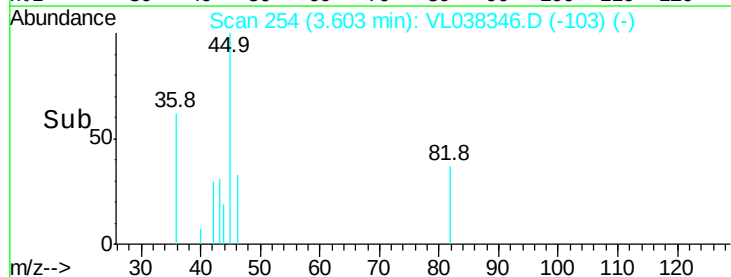
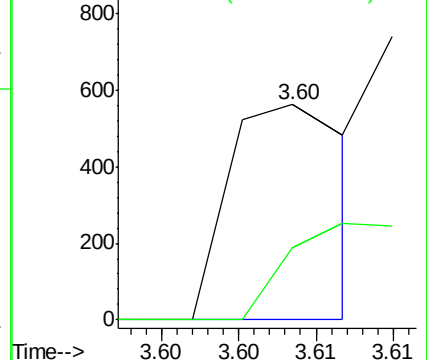
45 100

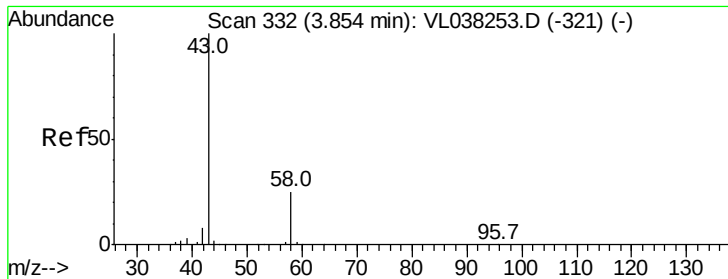
46 0.0 15.4 61.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.57 ppbv

RT: 3.86 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: SV1DL3

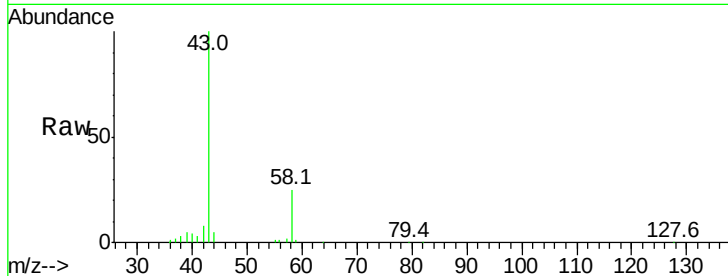
Acq: 14 Feb 2022 18:49

Tgt Ion: 43 Resp: 45305

Ion Ratio Lower Upper

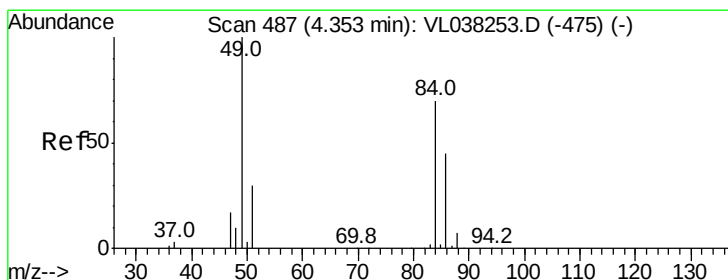
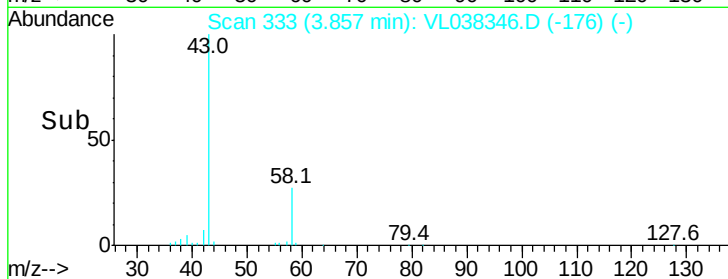
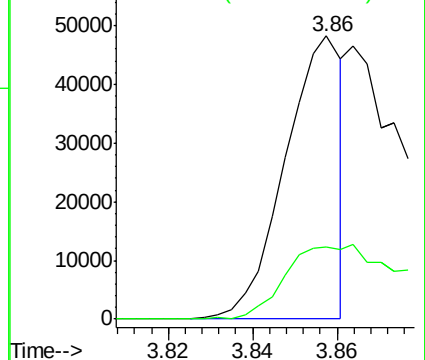
43 100

58 0.0 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: 0.11 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.02 min

Lab File: VL038346.D

Acq: 14 Feb 2022 18:49

Tgt Ion: 84 Resp: 5029

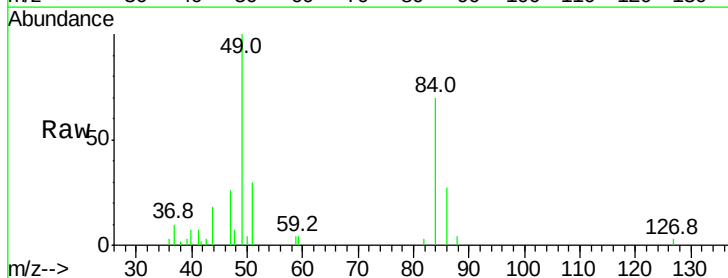
Ion Ratio Lower Upper

84 100

49 124.1 115.0 172.6

51 43.9 35.0 52.6

86 31.2 51.4 77.0#

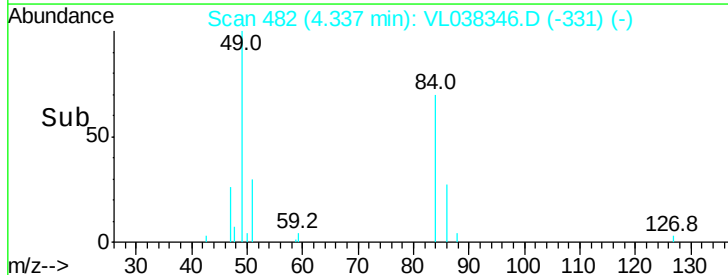
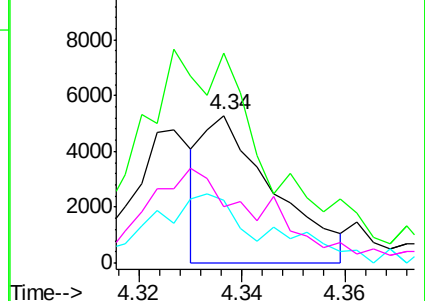


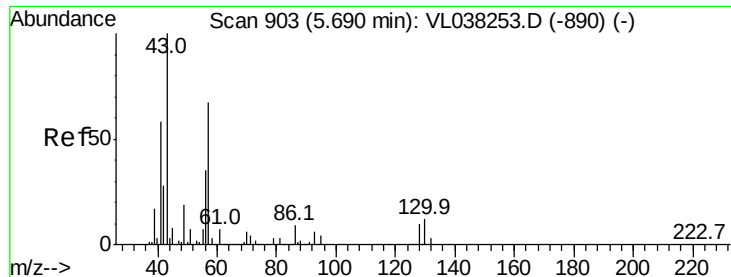
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#26

Hexane

Concen: 0.05 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

SV1DL3

Acq: 14 Feb 2022 18:49

Tgt Ion: 57 Resp: 5231

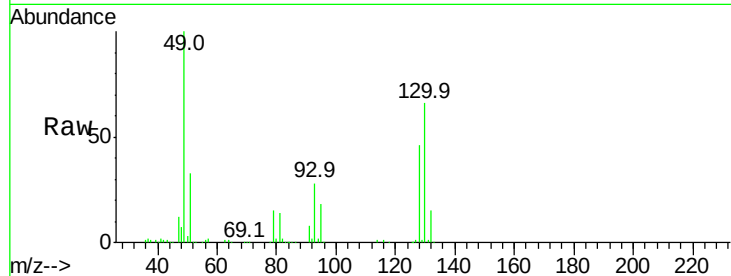
Ion Ratio Lower Upper

57 100

41 153.5 72.8 109.2#

43 118.5 177.0 265.6#

56 74.6 43.3 64.9#

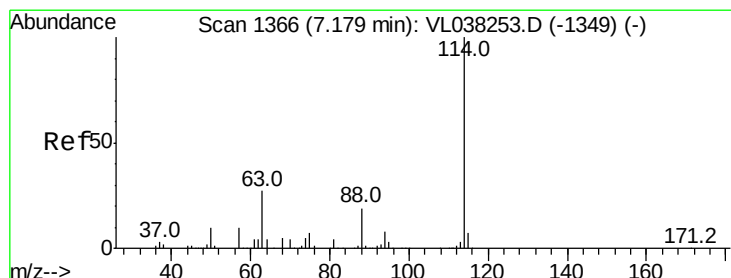
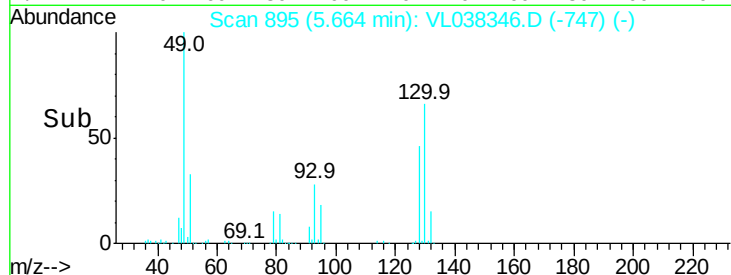
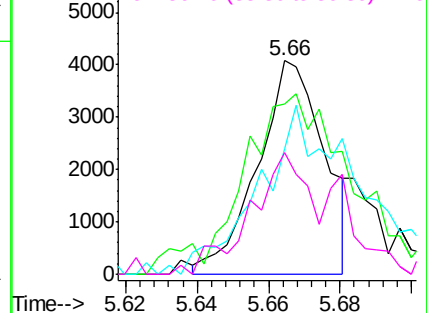


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.03 min

Lab File: VL038346.D

Acq: 14 Feb 2022 18:49

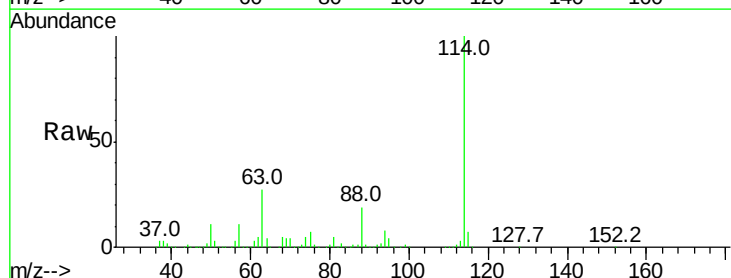
Tgt Ion: 114 Resp: 2327743

Ion Ratio Lower Upper

114 100

63 27.7 22.0 33.0

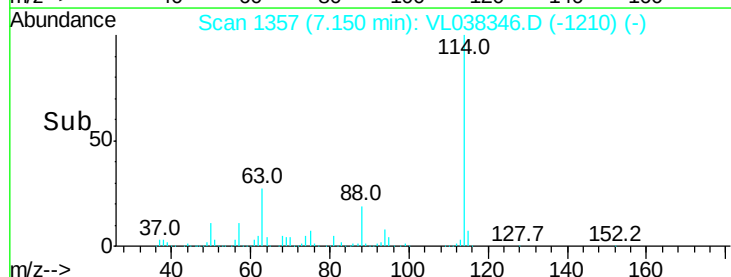
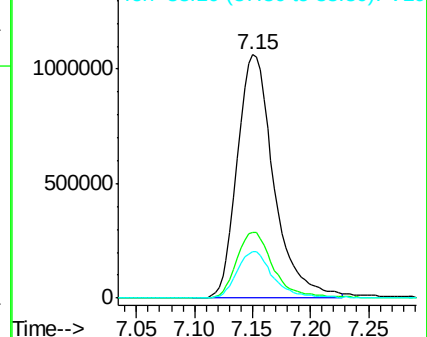
88 19.4 15.0 22.6

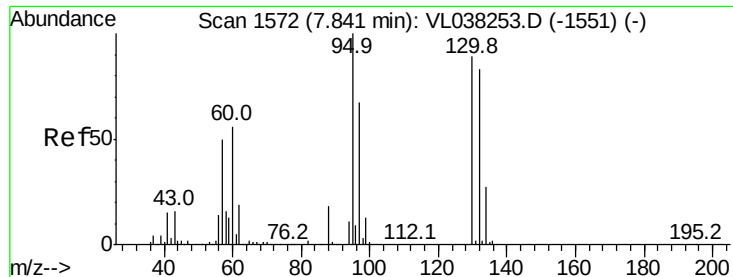


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#38

Trichloroethene

Concen: 0.07 ppbv

RT: 7.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SV1DL3

Acq: 14 Feb 2022 18:49

Tgt Ion: 130 Resp: 5103

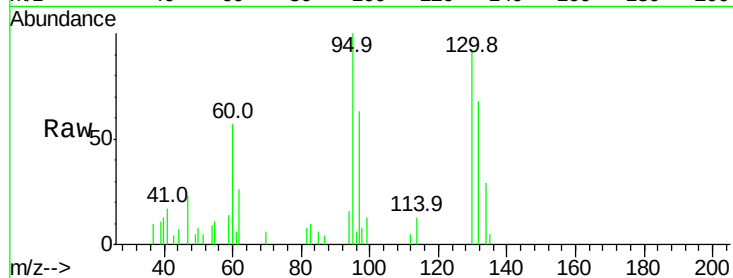
Ion Ratio Lower Upper

130 100

95 84.1 89.4 134.2#

132 56.9 74.6 111.8#

97 71.8 59.6 89.4

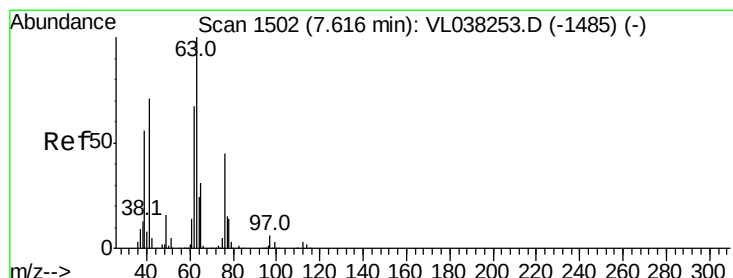
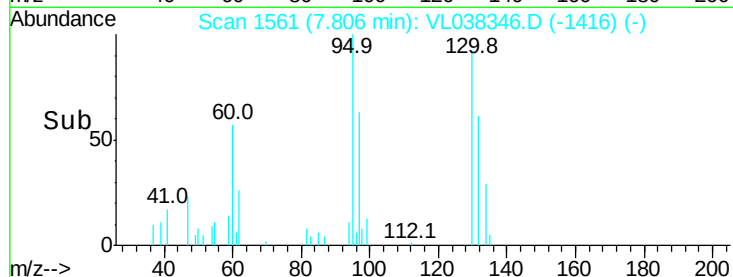
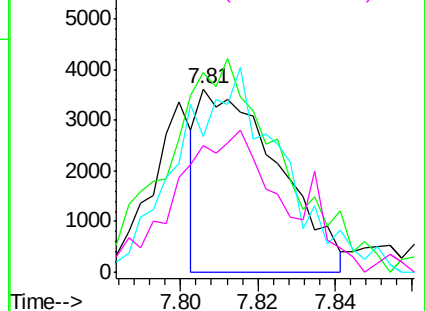


Abundance Ion 130.00 (129.70 to 130.70): V

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: 7.55 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.46 min

Lab File: VL038346.D

Acq: 14 Feb 2022 18:49

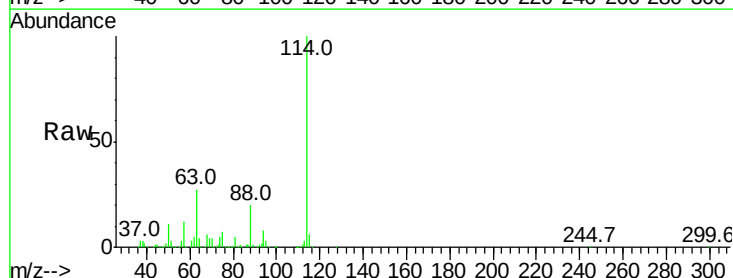
Tgt Ion: 63 Resp: 630452

Ion Ratio Lower Upper

63 100

41 0.0 56.6 85.0#

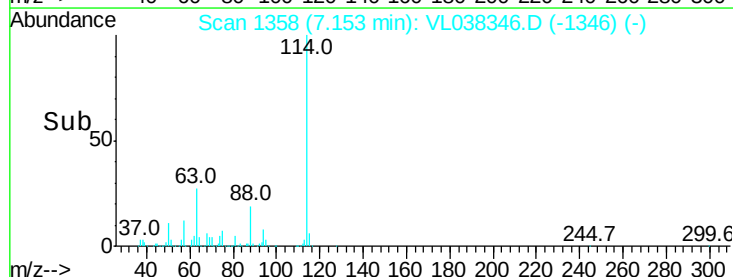
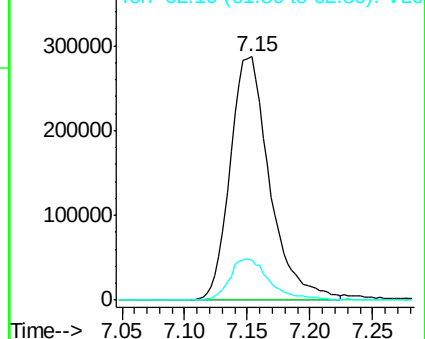
62 16.7 53.9 80.9#

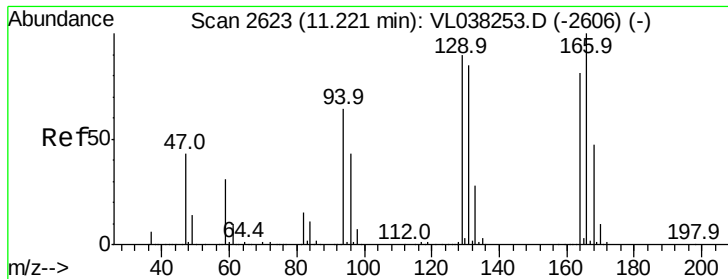


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 10.04 ppbv

RT: 11.19

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SV1DL3

Acq: 14 Feb 2022 18:49

Tgt Ion:164 Resp: 712742

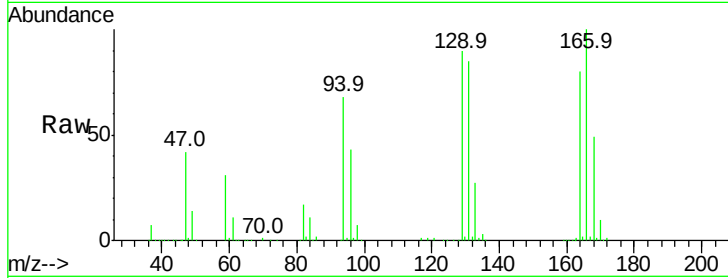
Ion Ratio Lower Upper

164 100

166 125.6 98.8 148.2

129 113.2 89.2 133.8

131 107.3 83.6 125.4



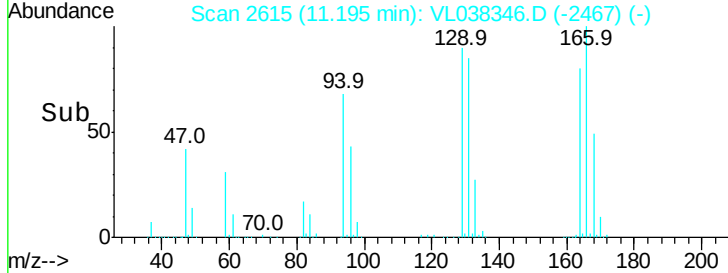
Abundance Ion 163.90 (163.60 to 164.60): V

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

Time-->



Abundance

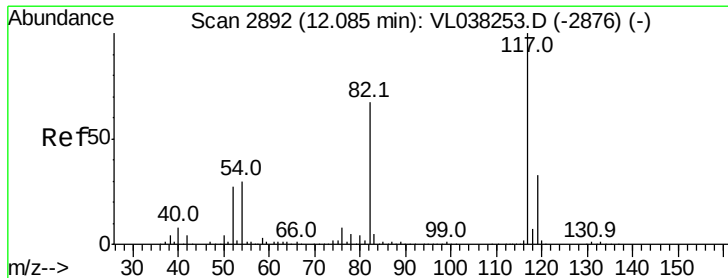
Ion 163.90 (163.60 to 164.60): V

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

Time-->



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.06 min Scan# 2883

Delta R.T. -0.03 min

Lab File: VL038346.D

Acq: 14 Feb 2022 18:49

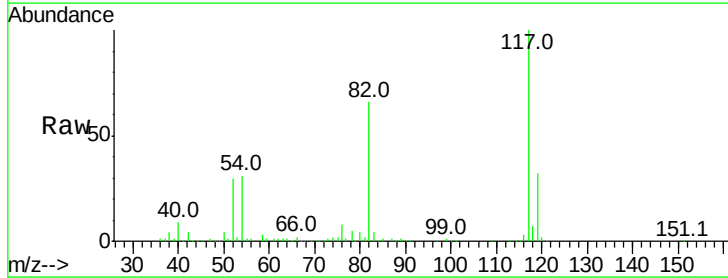
Tgt Ion:117 Resp: 1997654

Ion Ratio Lower Upper

117 100

82 74.0 54.4 81.6

119 35.0 45.9 68.9#

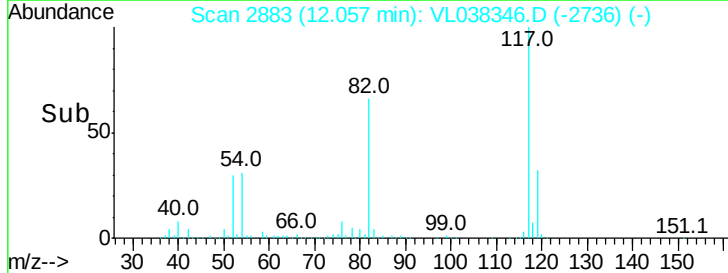


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V

Time-->



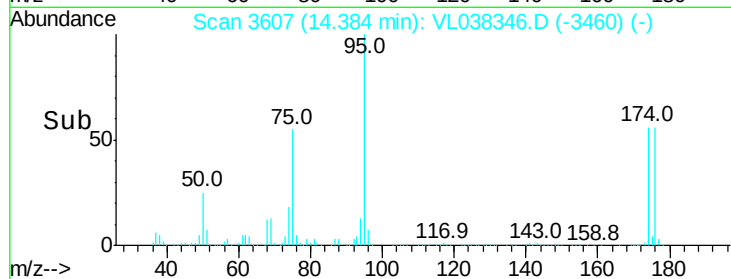
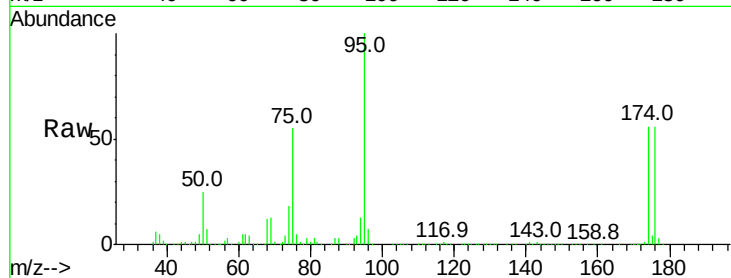
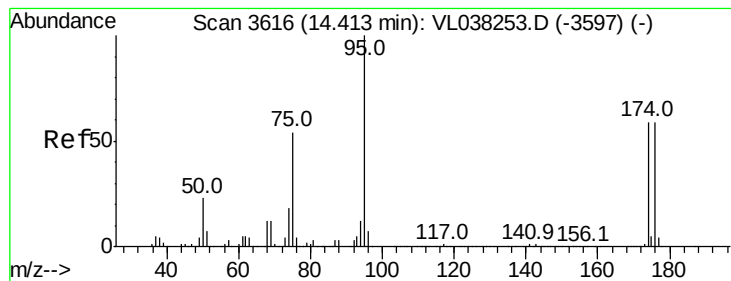
Abundance

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

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.65 ppbv

RT: 14.38 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SV1DL3

Acq: 14 Feb 2022 18:49

Tgt Ion: 95 Resp: 1615449

Ion Ratio Lower Upper

95 100

174 61.7 48.3 72.5

175 4.2 3.5 5.3

