

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012422\
 Data File : VL038257.D
 Acq On : 24 Jan 2022 11:57
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/25/2022
 Supervised By :Mahesh Dadoda 01/26/2022

Quant Time: Jan 24 13:24:06 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012422A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Jan 24 11:15:25 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	748535	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2239587	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1858779	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1428537	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.27	62	5154	0.094	ppbv #	84
32) 1,1,1-Trichloroethane	6.52	97	14168	0.094	ppbv	94
35) Carbon Tetrachloride	7.03	117	15297m	0.111	ppbv	
38) Trichloroethene	7.84	130	7270	0.091	ppbv #	86
52) Tetrachloroethene	11.22	164	6744m	0.087	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.69	83	15870m	0.090	ppbv	

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

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ClientSampleId :
VSTDICC0.1

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Quant Time: Jan 24 13:24:06 2022

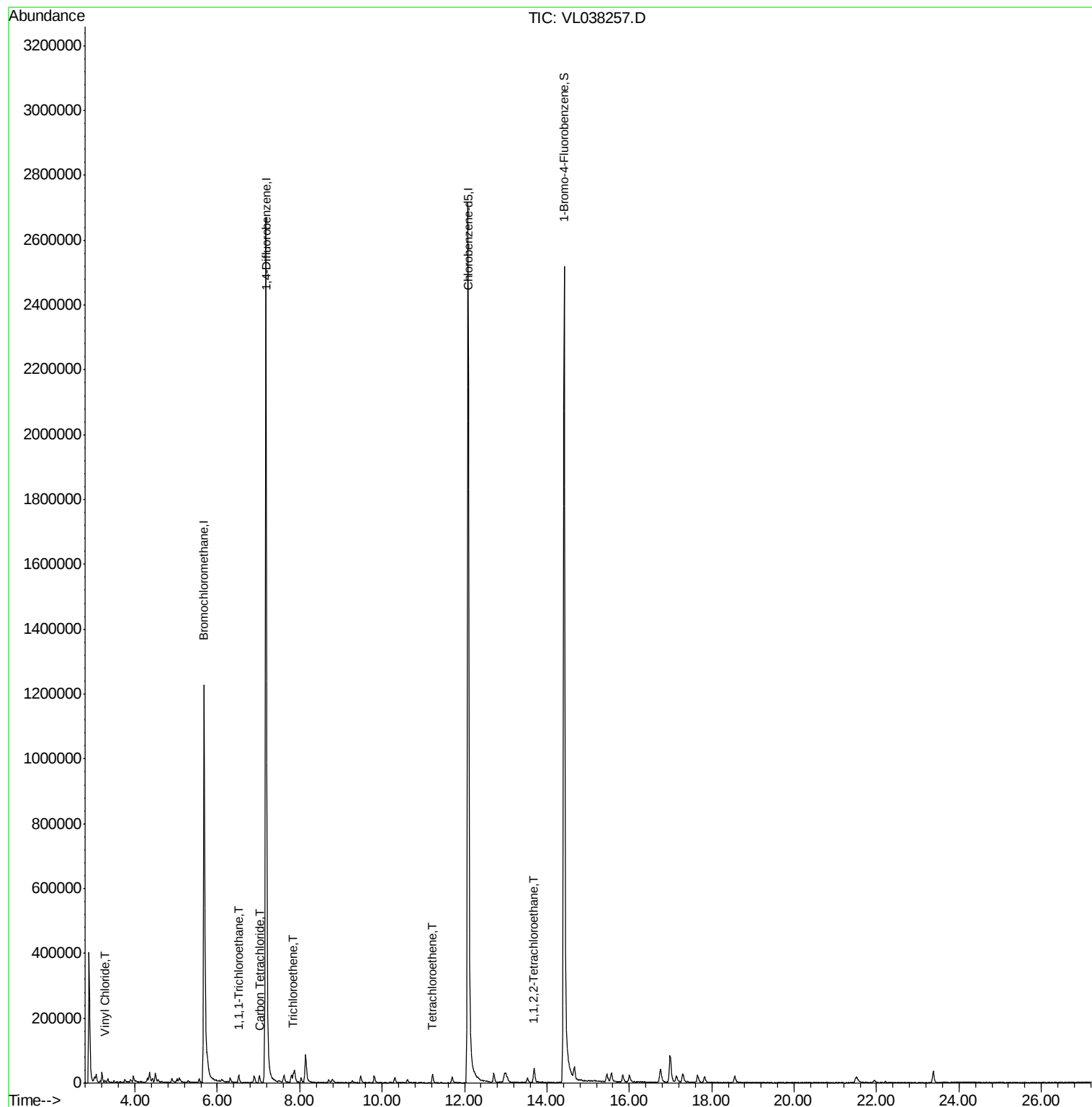
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL012422

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Mon Jan 24 11:15:25 2022

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.1

Acq: 24 Jan 2022 11:57

Tot Ion:

Ion Ratio

49 100

128 50.

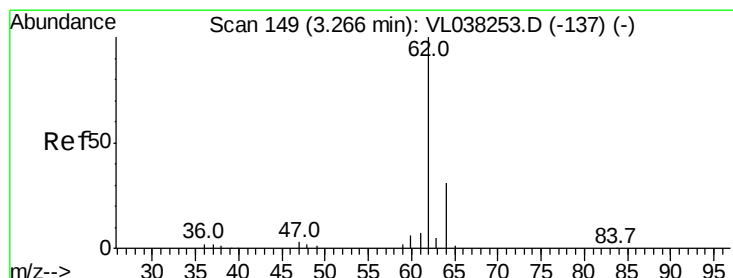
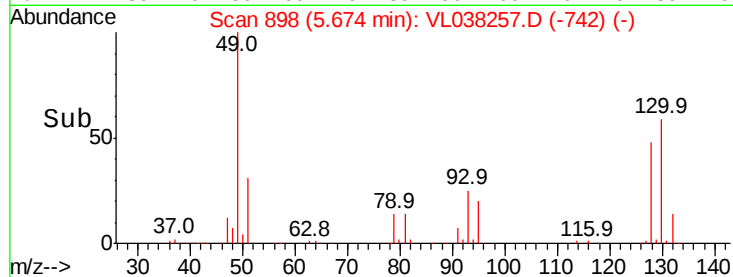
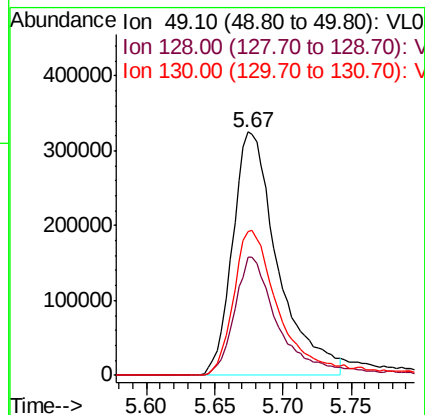
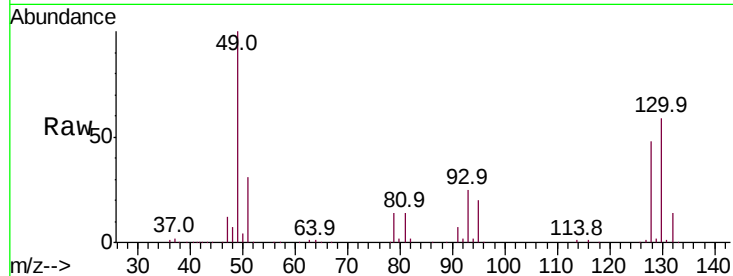
130 63.

Manual Integrations

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#5

Vinyl Chloride

Concen: 0.094 ppbv

RT: 3.27 min Scan# 150

Delta R.T. 0.00 min

Lab File: VL038257.D

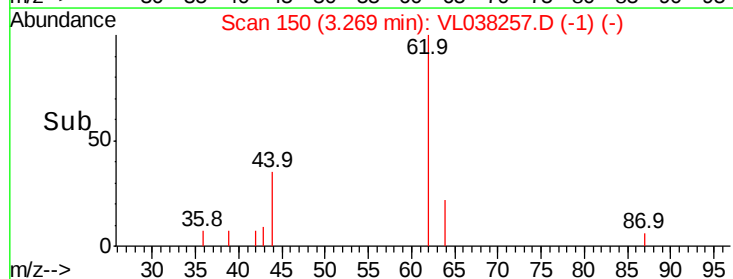
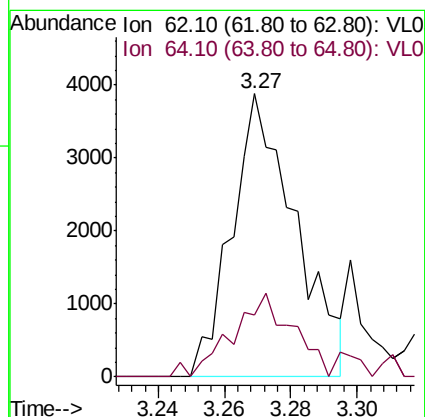
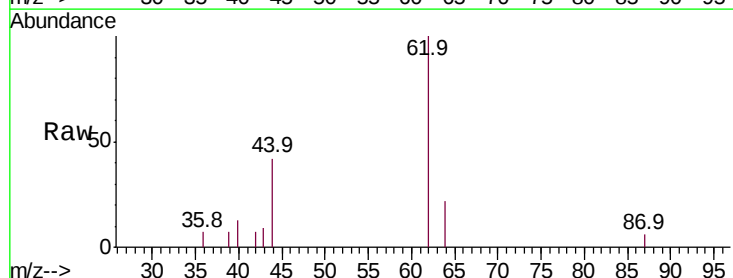
Acq: 24 Jan 2022 11:57

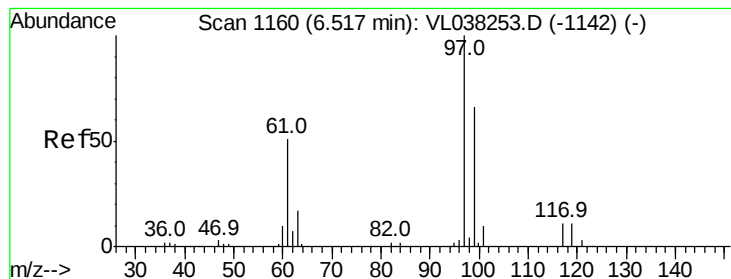
Tgt Ion: 62 Resp: 5154

Ion Ratio Lower Upper

62 100

64 21.9 24.4 36.6#





#32

1,1,1-Trichloroethane

Concen: 0.094 ppbv

RT: 6.52 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jan 2022 11:57 VSTDIC0.1

Tot Ion:

Ion Ratio

97 100

99 66.

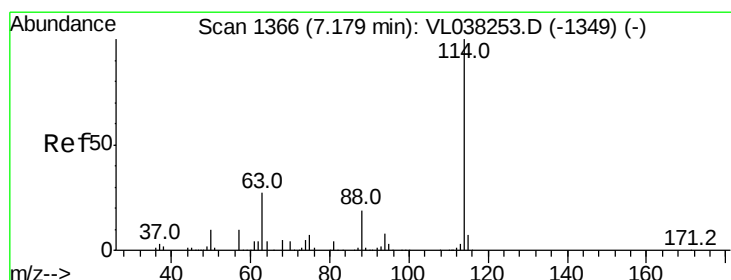
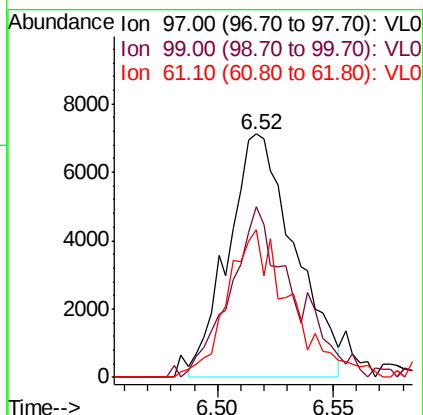
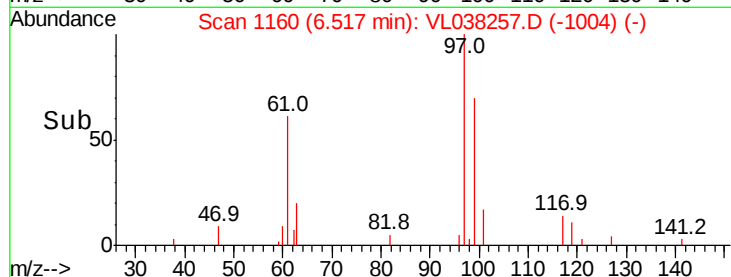
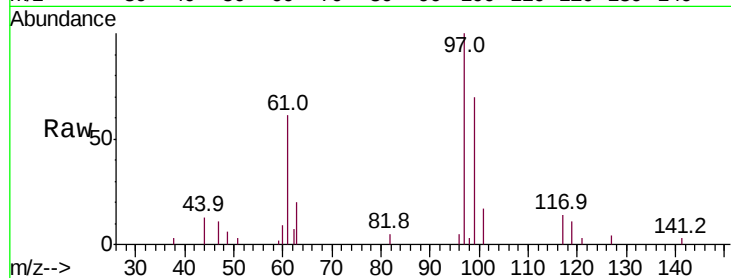
61 57.

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.00 min

Lab File: VL038257.D

Acq: 24 Jan 2022 11:57

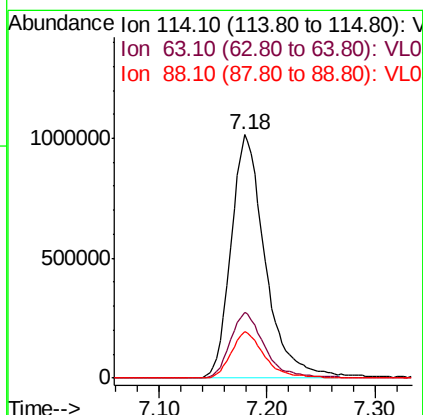
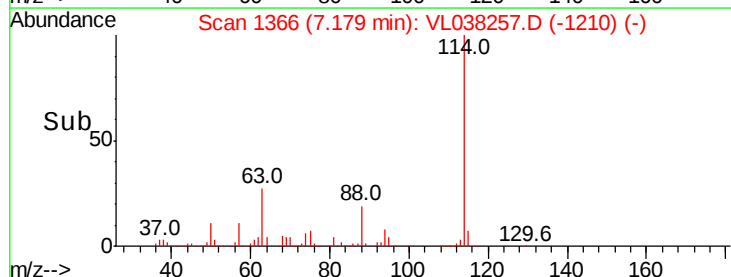
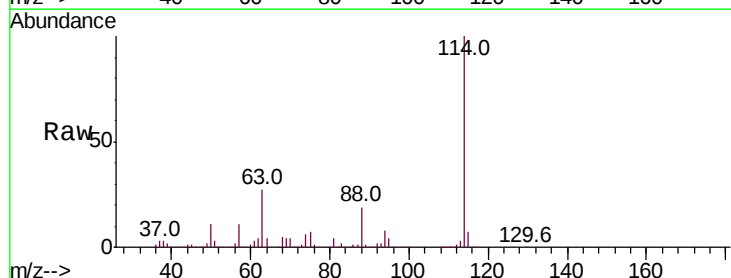
Tgt Ion:114 Resp: 2239587

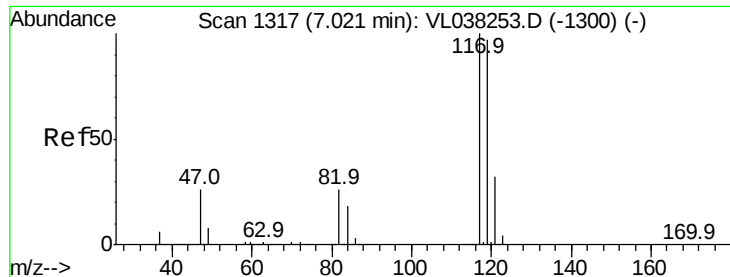
Ion Ratio Lower Upper

114 100

63 27.5 22.0 33.0

88 19.0 15.0 22.6





#35

Carbon Tetrachloride

Concen: 0.111 ppbv m

RT: 7.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jan 2022 11:57 VSTDIC0.1

Tot Ion:1

Ion Ratio

117 100

119 76.

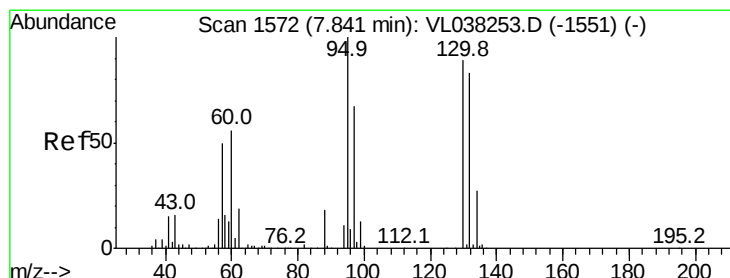
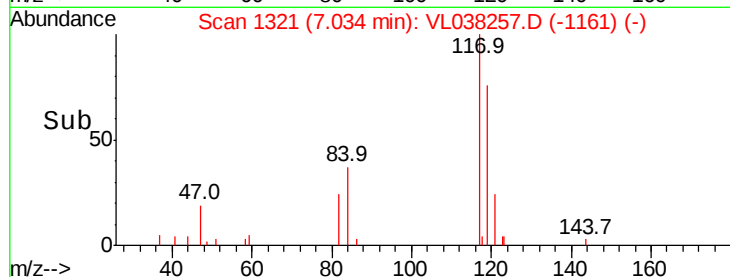
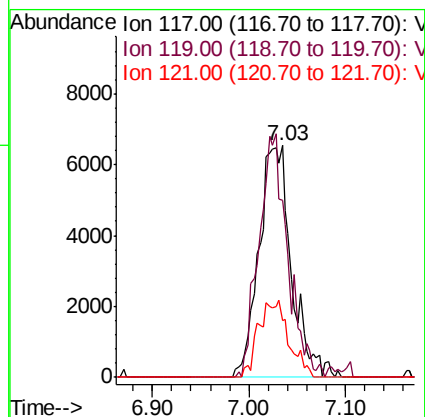
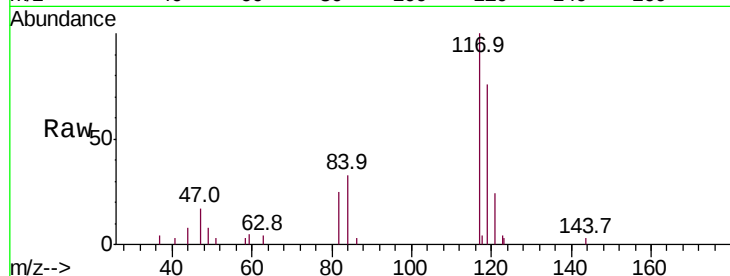
121 24.

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#38

Trichloroethene

Concen: 0.091 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VL038257.D

Acq: 24 Jan 2022 11:57

Tgt Ion:130 Resp: 7270

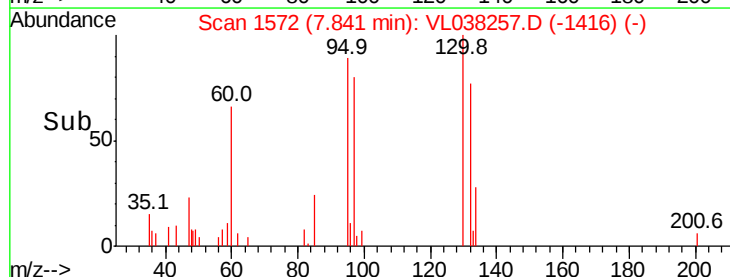
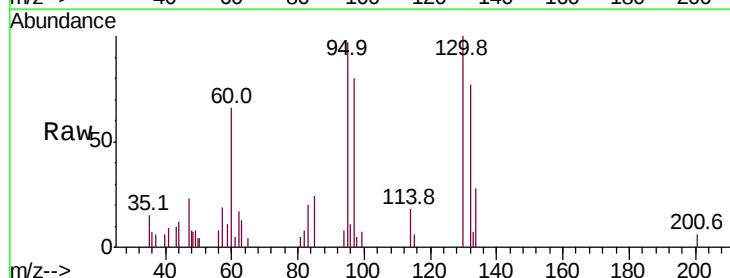
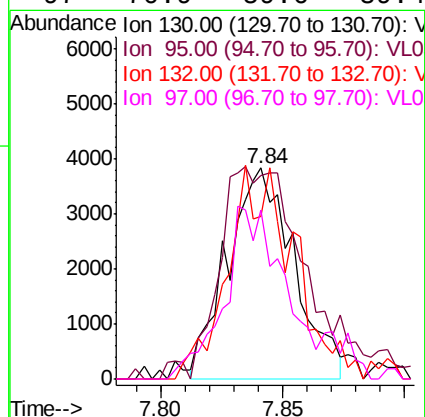
Ion Ratio Lower Upper

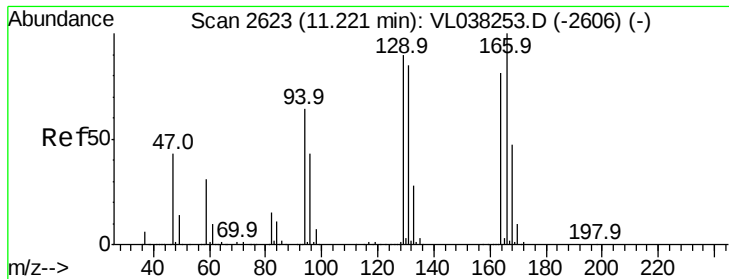
130 100

95 100.7 89.4 134.2

132 66.7 74.6 111.8#

97 70.9 59.6 89.4





#52

Tetrachloroethene

Concen: 0.087 ppbv m

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Jan 2022 11:57

Tot Ion:1

Ion Rati

164 100

166 92.

129 82.

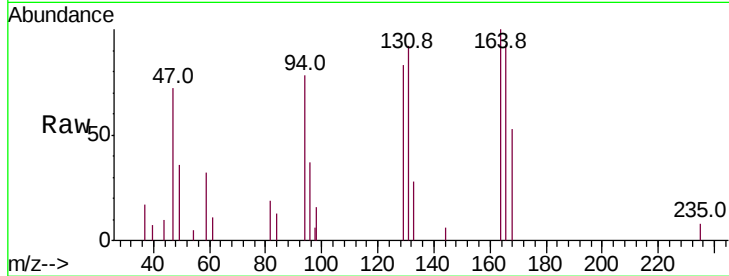
131 91.8 83.6 125.4

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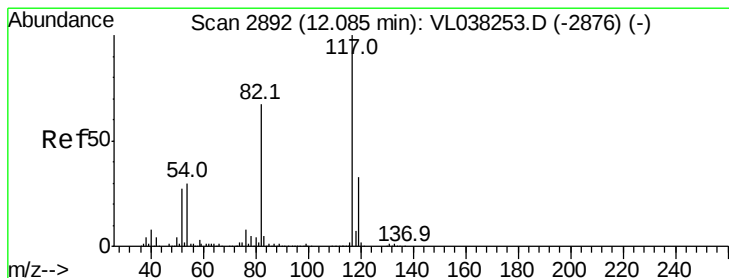
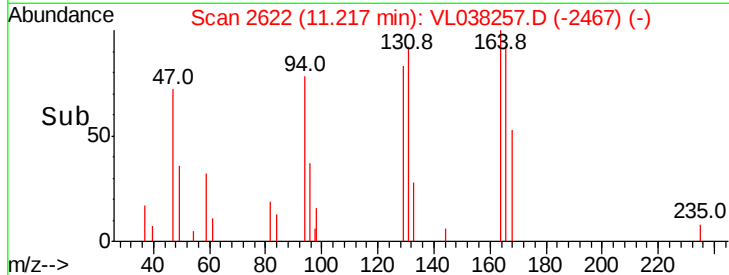
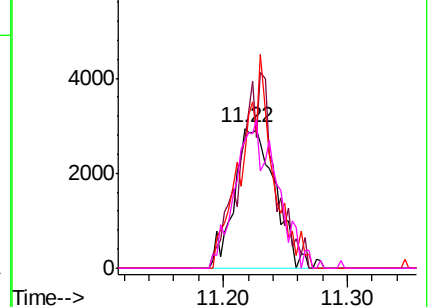


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.09 min Scan# 2892

Delta R.T. 0.00 min

Lab File: VL038257.D

Acq: 24 Jan 2022 11:57

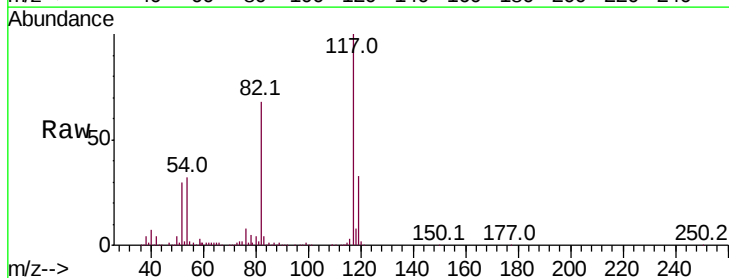
Tgt Ion:117 Resp: 1858779

Ion Ratio Lower Upper

117 100

82 72.3 54.4 81.6

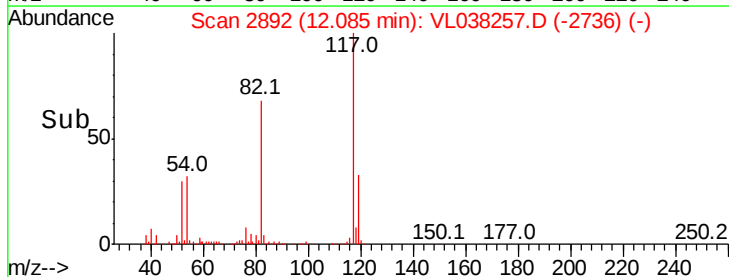
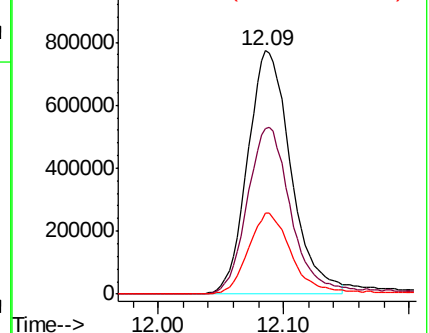
119 34.6 45.9 68.9#

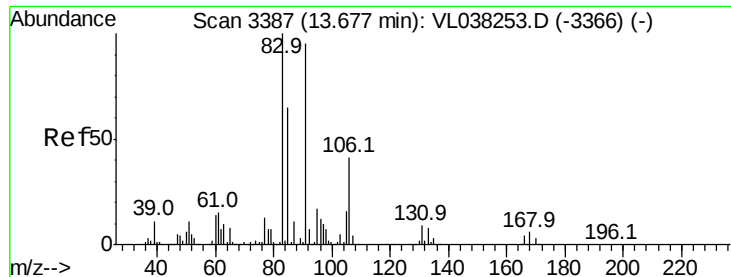


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.090 ppbv m

RT: 13.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Jan 2022 11:57

Tot Ion:

Ion Ratio

83 100

131 7.

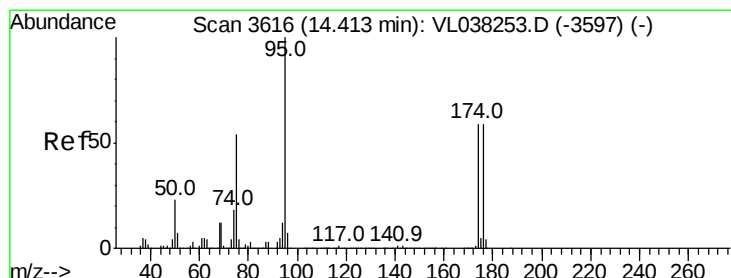
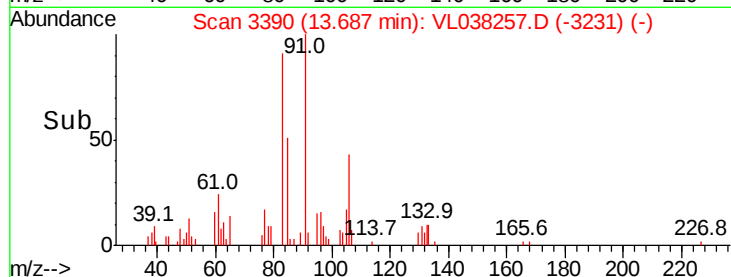
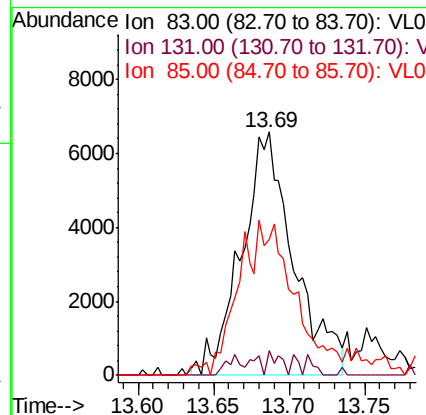
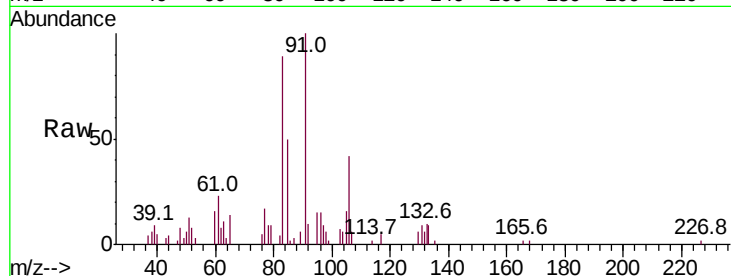
85 73.

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.973 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.00 min

Lab File: VL038257.D

Acq: 24 Jan 2022 11:57

Tgt Ion: 95 Resp: 1428537

Ion Ratio Lower Upper

95 100

174 62.3 48.3 72.5

175 4.5 3.5 5.3

