

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL053122\
 Data File : VL039138.D
 Acq On : 31 May 2022 19:45
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/01/2022
 Supervised By : Mahesh Dadoda 06/01/2022

Quant Time: May 31 20:18:48 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue May 31 17:05:54 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1263032	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3017571	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2591448	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2225873	10.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.26	62	2061m	0.03	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	6183m	0.03	ppbv	
35) Carbon Tetrachloride	7.02	117	6815m	0.03	ppbv	
38) Trichloroethene	7.83	130	2794m	0.02	ppbv	
52) Tetrachloroethene	11.24	164	2839m	0.03	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.69	83	5530m	0.03	ppbv	

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

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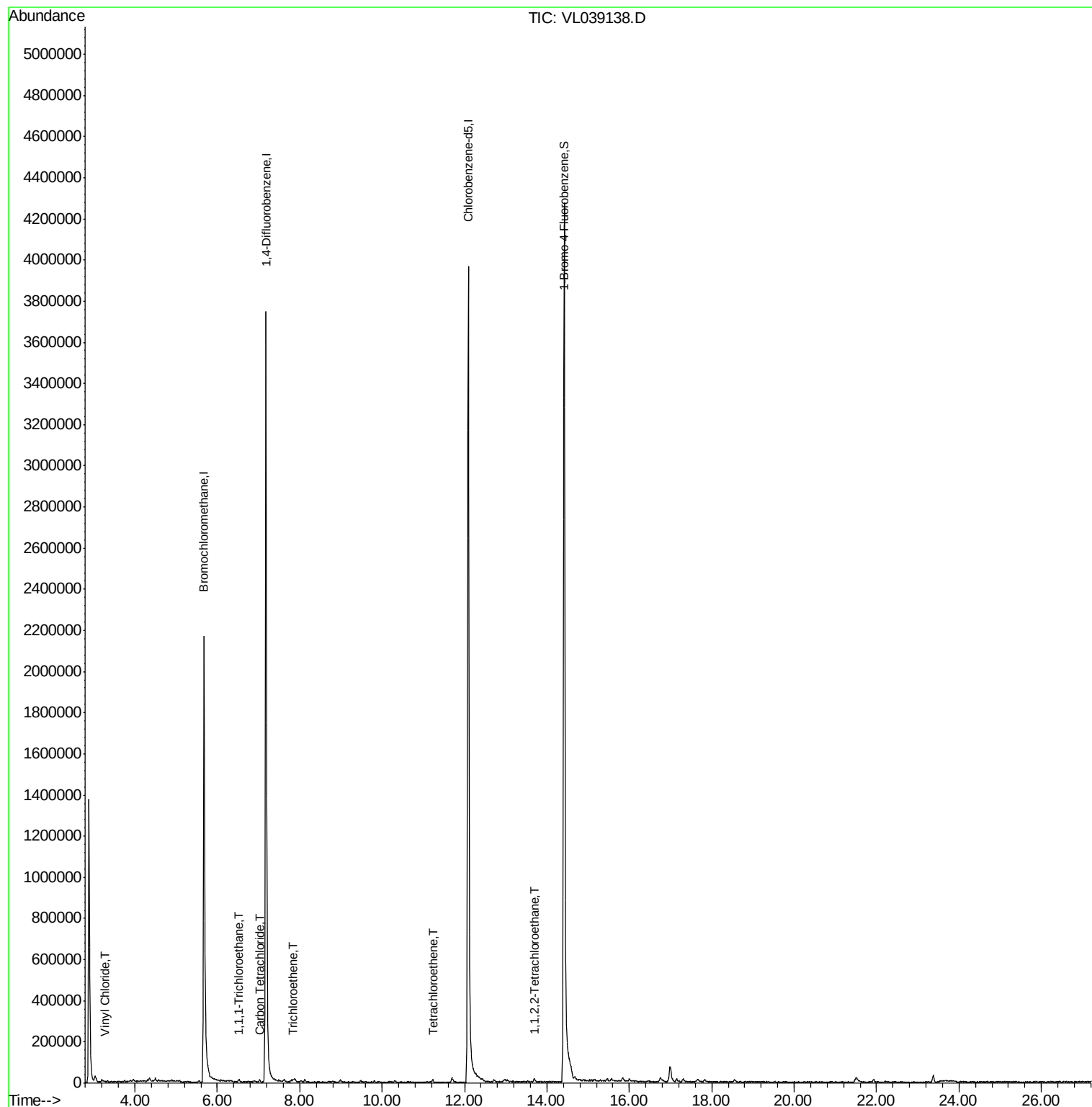
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122

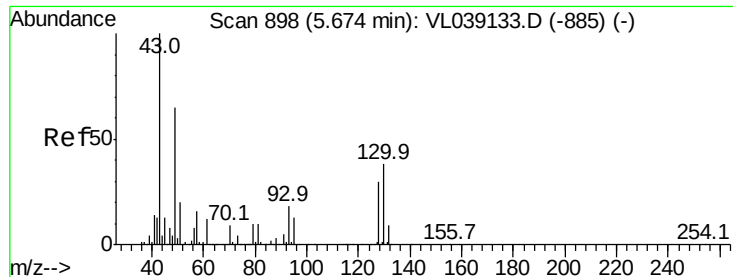
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Tue May 31 17:05:54 2022

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC00.03

Acq: 31 May 2022 19:45

Tgt Ion:

Ion Ratio

49 100

128 49.

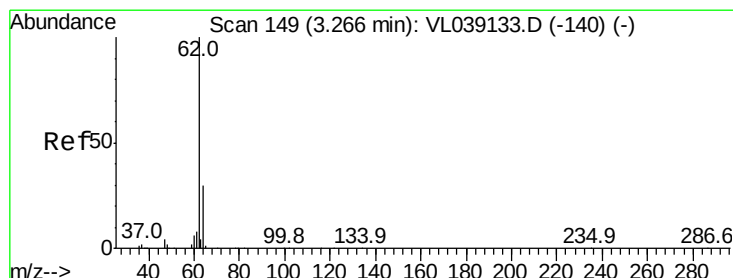
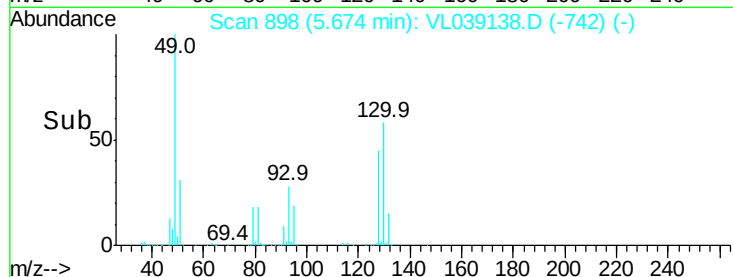
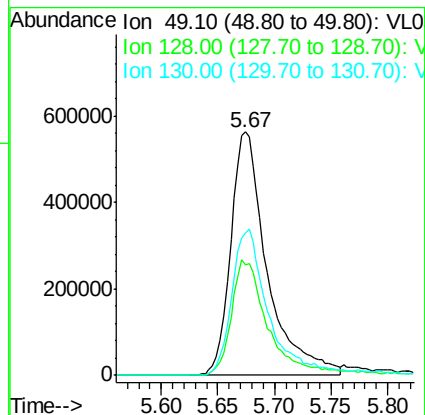
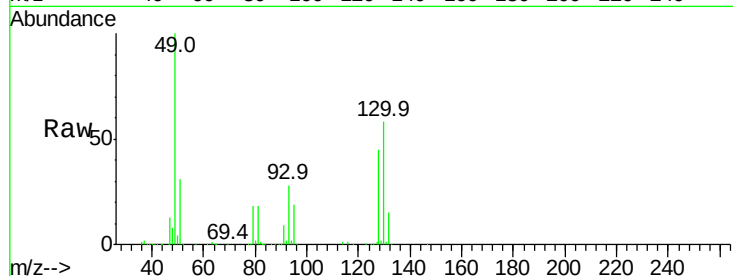
130 63.

Manual Integrations

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#5

Vinyl Chloride

Concen: 0.03 ppbv m

RT: 3.26 min Scan# 148

Delta R.T. -0.00 min

Lab File: VL039138.D

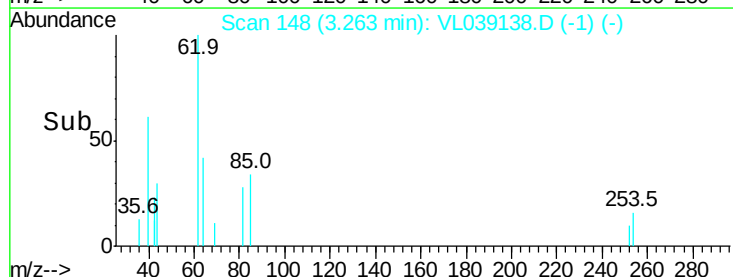
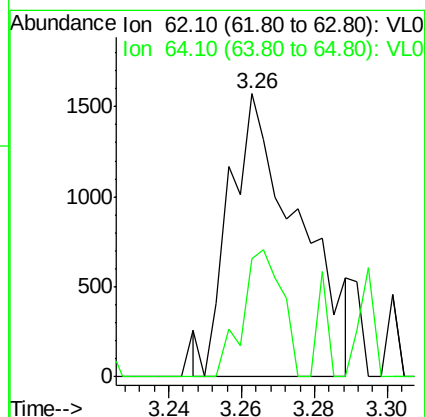
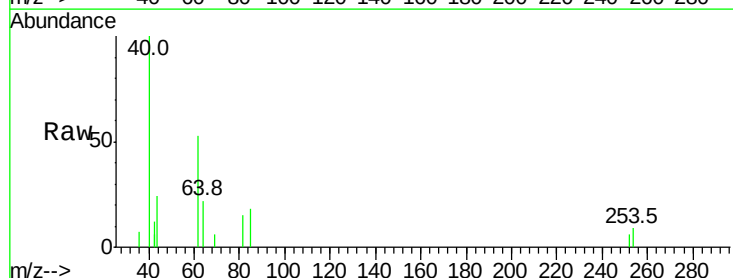
Acq: 31 May 2022 19:45

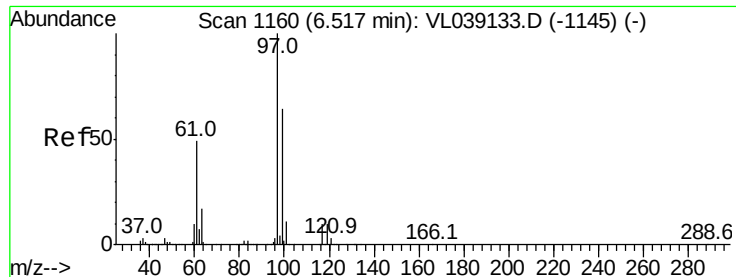
Tgt Ion: 62 Resp: 2061

Ion Ratio Lower Upper

62 100

64 41.9 24.2 36.2#





#32

1,1,1-Trichloroethane

Concen: 0.03 ppbv m

RT: 6.52 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC003

Acq: 31 May 2022 19:45

Tgt Ion:

Ion Ratio

97 100

99 0.

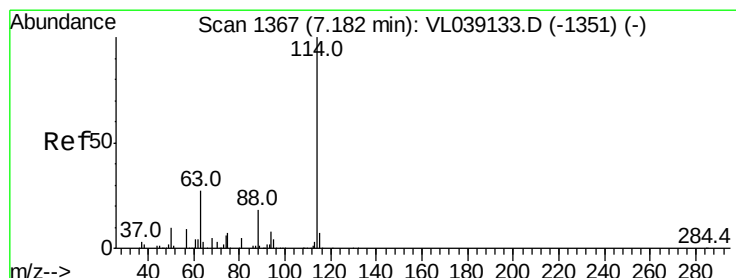
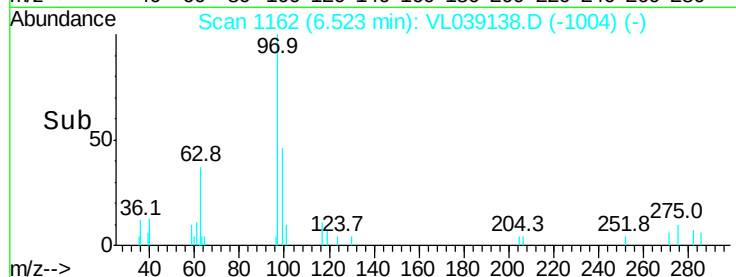
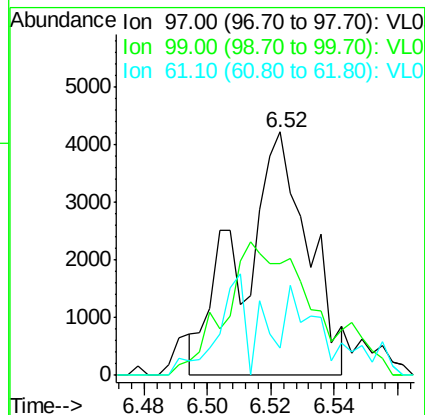
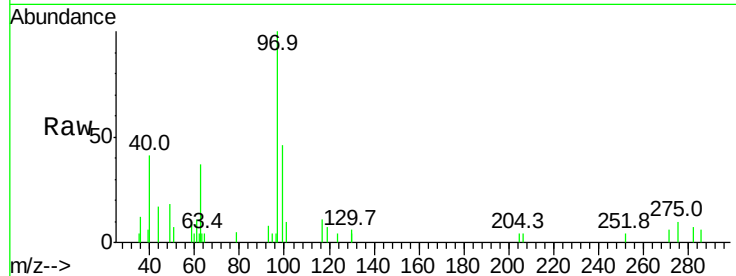
61 0.

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VL039138.D

Acq: 31 May 2022 19:45

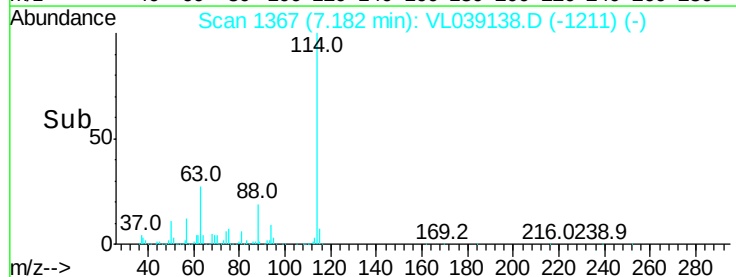
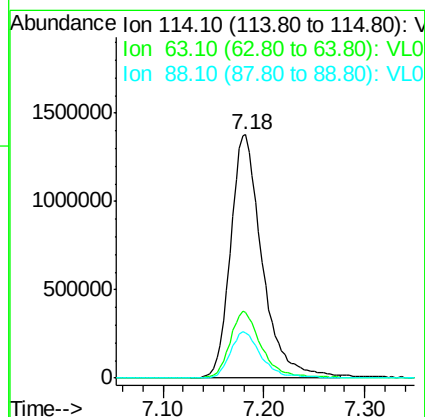
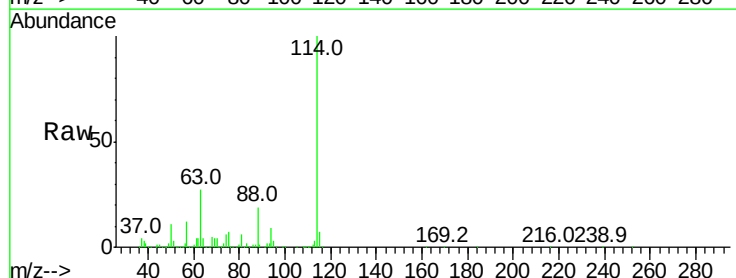
Tgt Ion:114 Resp: 3017571

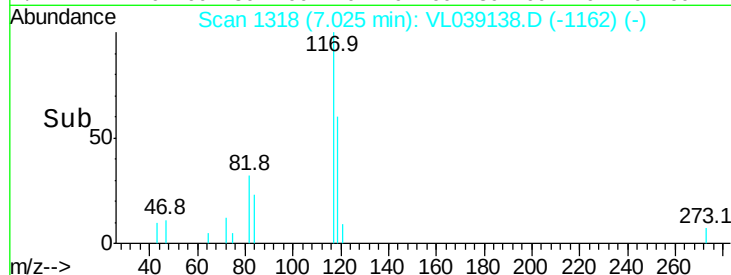
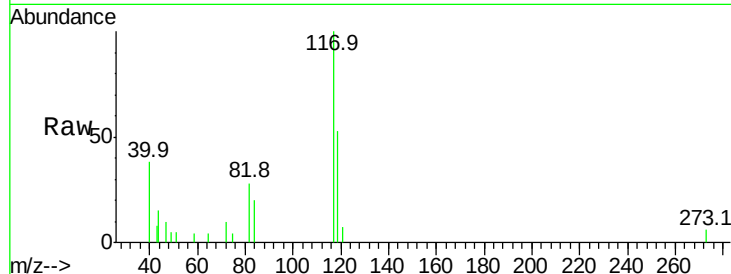
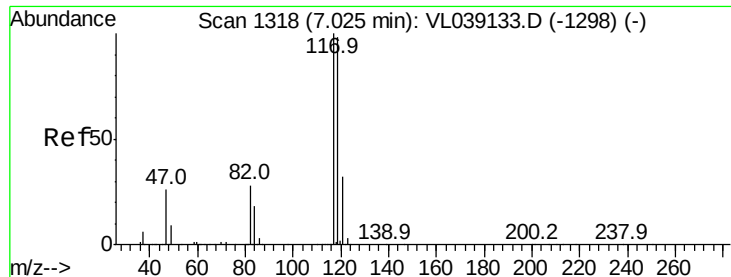
Ion Ratio Lower Upper

114 100

63 27.4 21.7 32.5

88 19.0 14.8 22.2





#35

Carbon Tetrachloride

Concen: 0.03 ppbv m

RT: 7.02 Instrument: MSVOA_1

Delta R.T. -

Lab File: ClientSampleId:

Acq: 31 May 2022 19:45 VSTDIC0.03

Tgt Ion:1

Ion Rati

117 100

119 52.

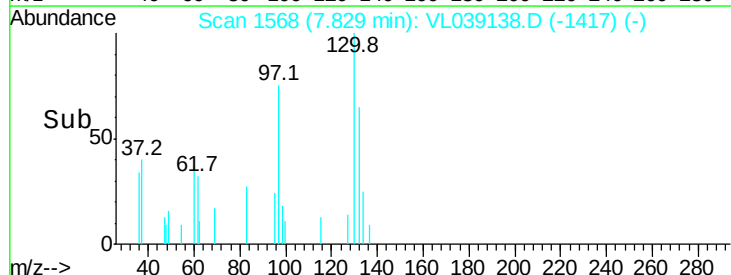
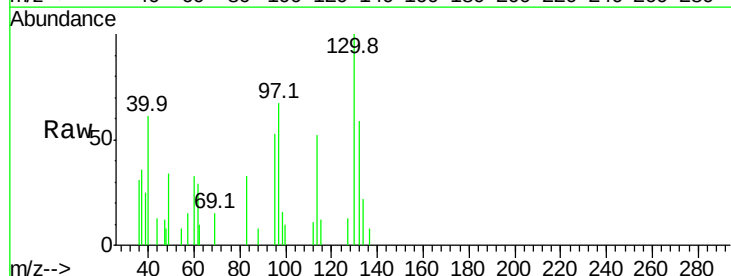
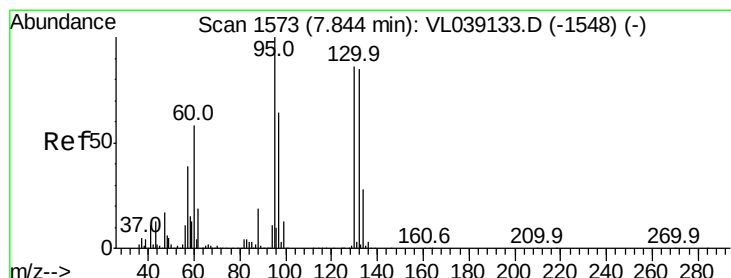
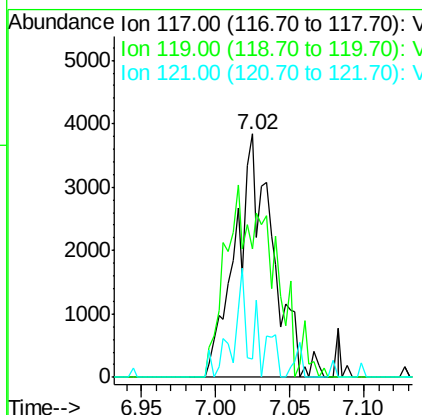
121 7.

Manual Integrations

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#38

Trichloroethene

Concen: 0.02 ppbv m

RT: 7.83 min Scan# 1568

Delta R.T. -0.02 min

Lab File: VL039138.D

Acq: 31 May 2022 19:45

Tgt Ion:130 Resp: 2794

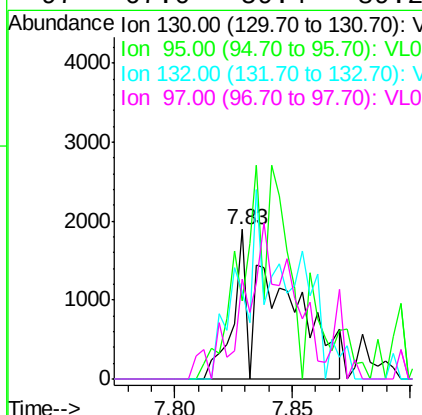
Ion Ratio Lower Upper

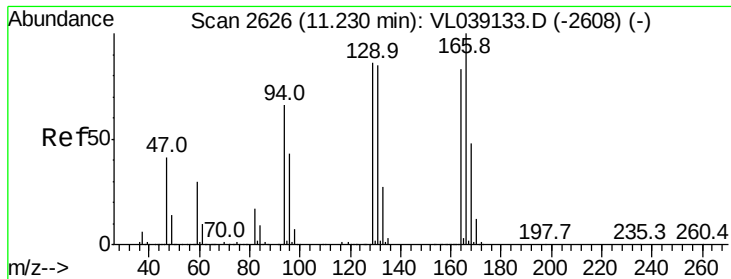
130 100

95 52.8 93.3 139.9#

132 58.5 79.0 118.4#

97 67.0 59.4 89.2





#52

Tetrachloroethene

Concen: 0.03 ppbv m

RT: 11.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 May 2022 19:45 VSTDIC0.03

Tgt Ion:1

Ion Ratio

164 100

166 81.

129 53.

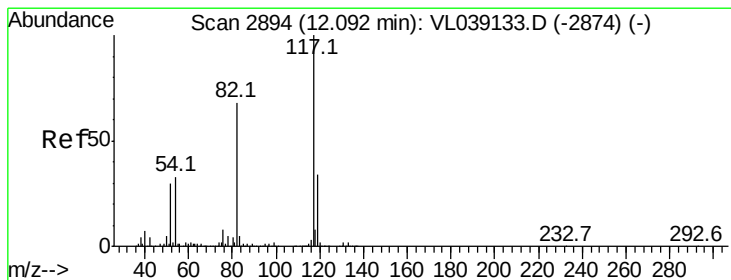
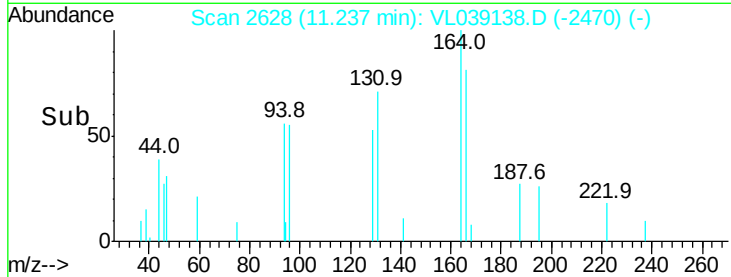
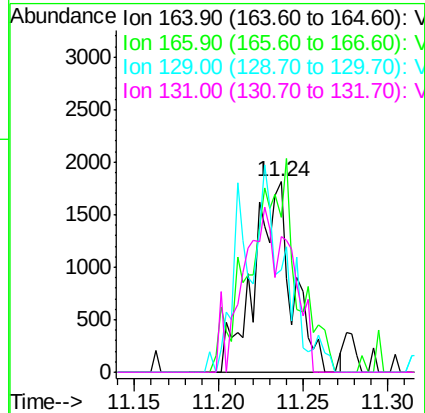
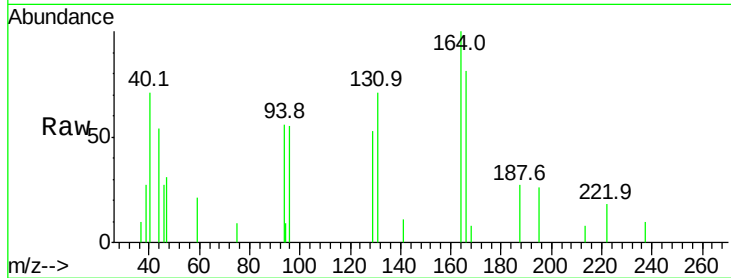
131 71.3 82.1 123.1#

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL039138.D

Acq: 31 May 2022 19:45

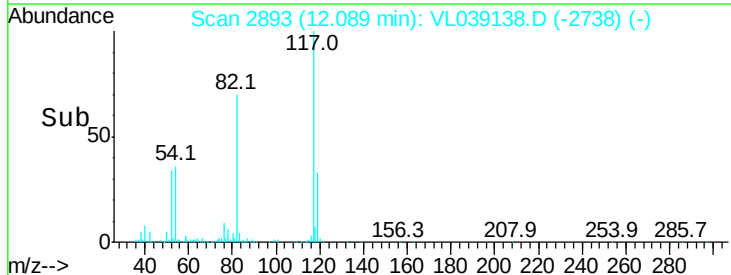
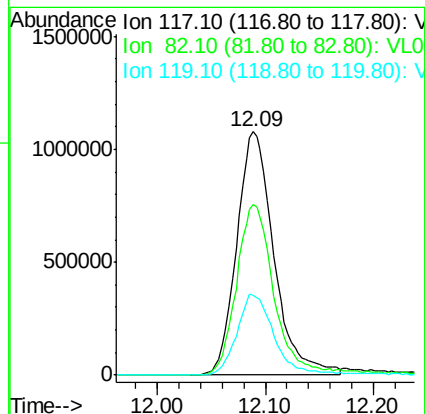
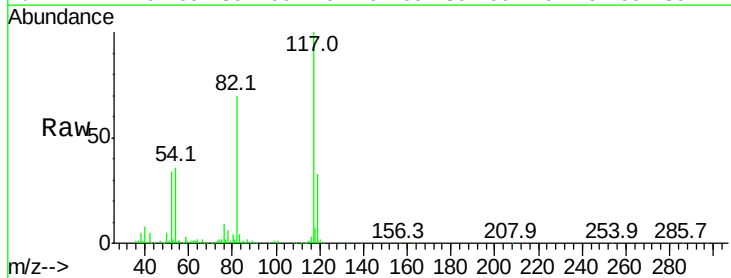
Tgt Ion:117 Resp: 2591448

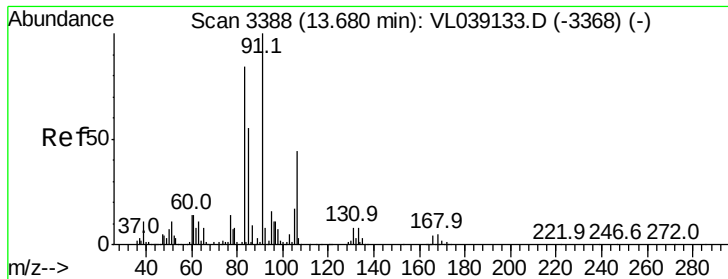
Ion Ratio Lower Upper

117 100

82 71.5 55.1 82.7

119 33.3 24.7 37.1





#63

1,1,2,2-Tetrachloroethane

Concen: 0.03 ppbv m

RT: 13.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 31 May 2022 19:45

Tgt Ion:

Ion Ratio

83 100

131 0.

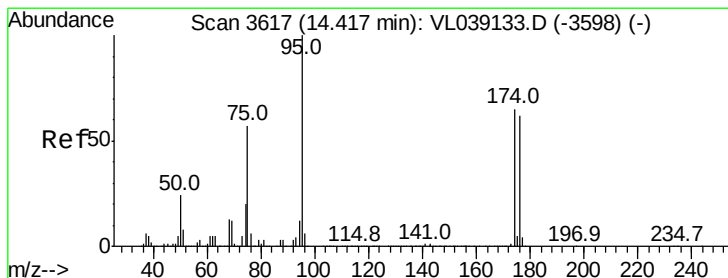
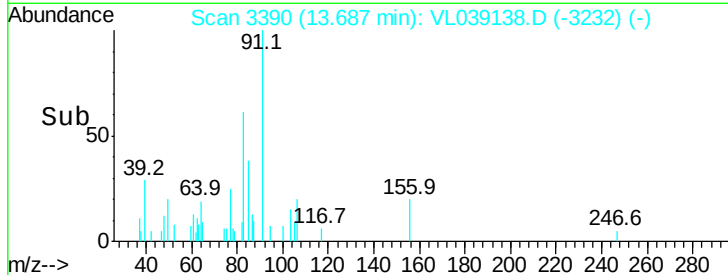
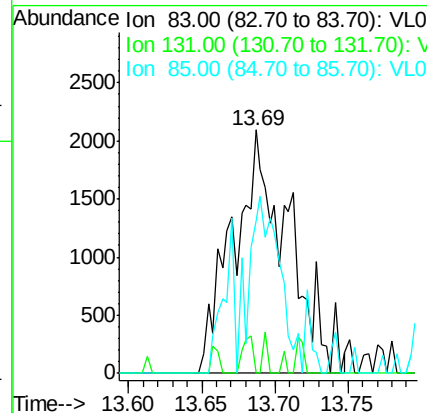
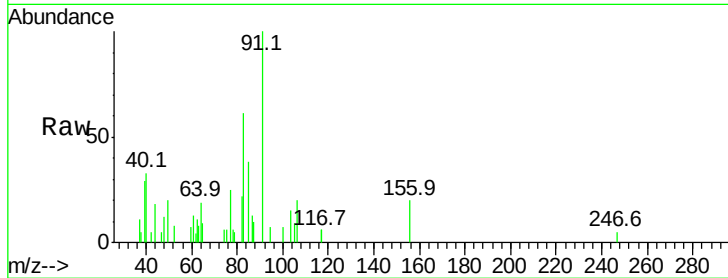
85 0.

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.85 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.00 min

Lab File: VL039138.D

Acq: 31 May 2022 19:45

Tgt Ion: 95 Resp: 2225873

Ion Ratio Lower Upper

95 100

174 64.5 53.8 80.8

175 4.8 4.1 6.1

