

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038050.D
 Acq On : 18 Nov 2021 11:18
 Operator : SY/AP
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021

Quant Time: Nov 18 12:23:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 10:39:10 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	906300	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2709335	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2341619	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1676850	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	6400	0.080	ppbv	# 86
32) 1,1,1-Trichloroethane	6.51	97	19473m	0.081	ppbv	
35) Carbon Tetrachloride	7.01	117	19117m	0.102	ppbv	
38) Trichloroethene	7.83	130	10795m	0.103	ppbv	
52) Tetrachloroethene	11.22	164	10829m	0.111	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	26508m	0.129	ppbv	

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

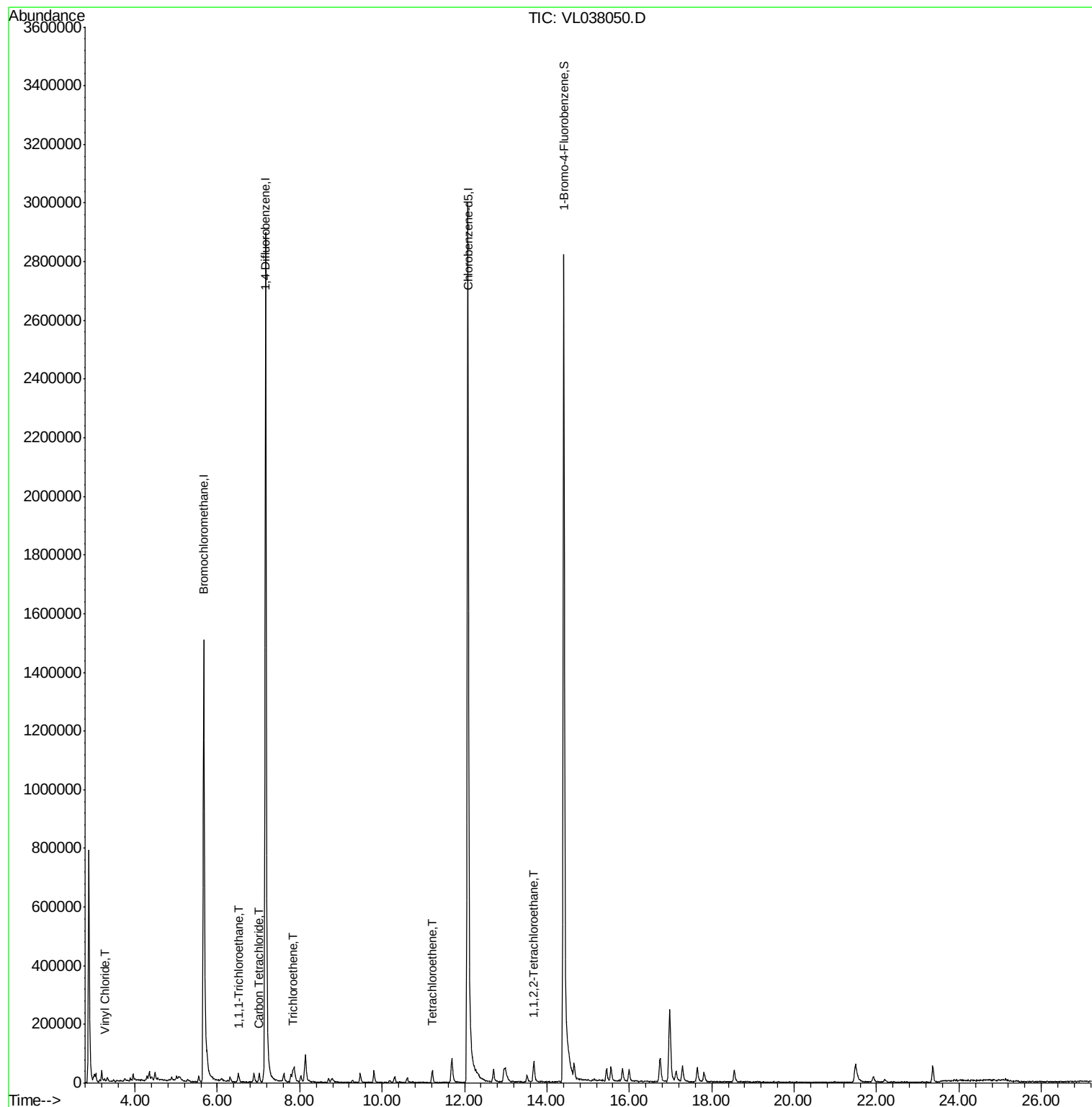
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111821\
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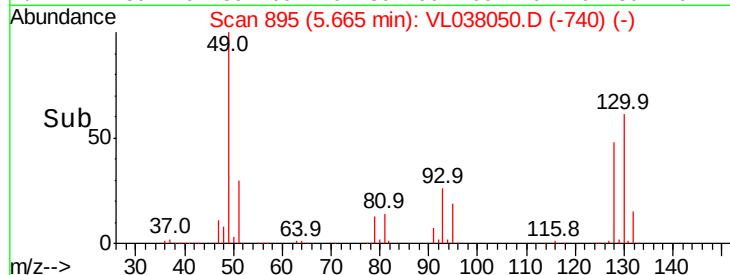
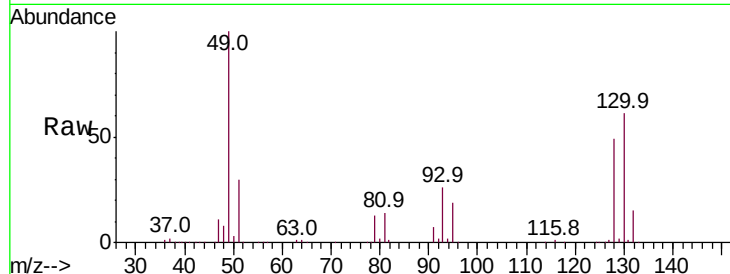
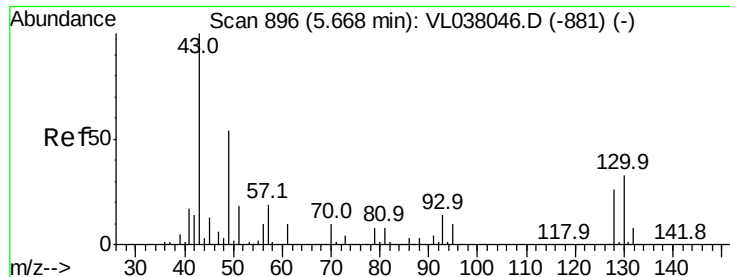
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
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Quant Time: Nov 18 12:23:14 2021
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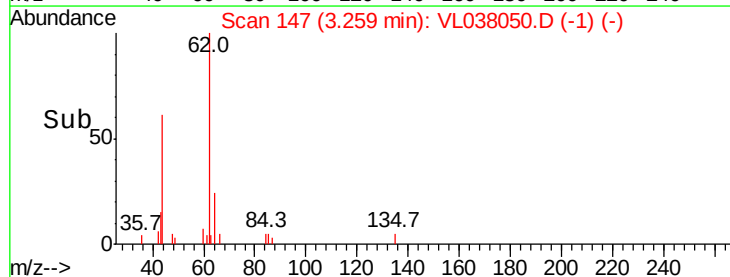
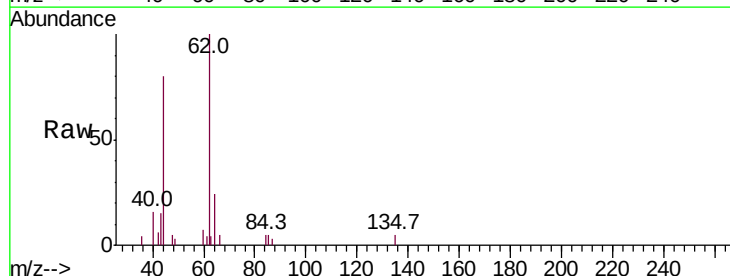
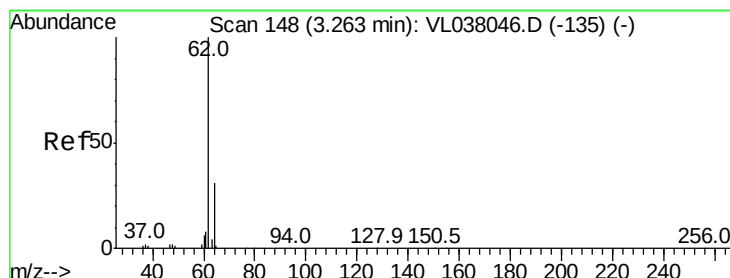
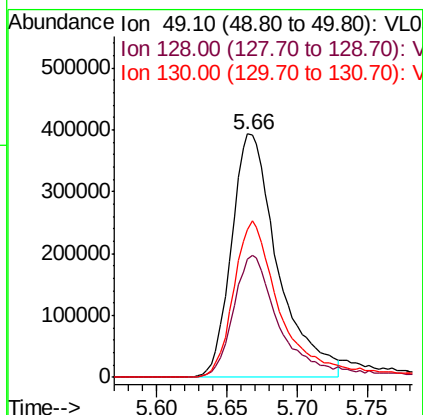


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC0.1
Acq: 18 Nov 2021 11:18

Tot Ion:
Ion Ratio
49 100
128 52.
130 68.

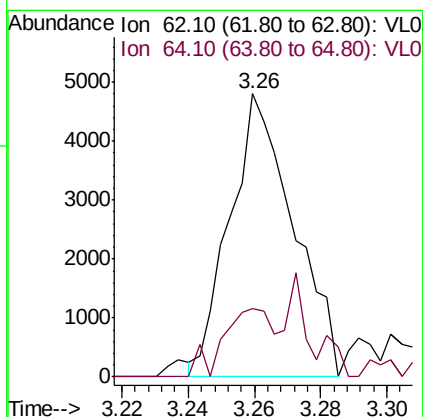
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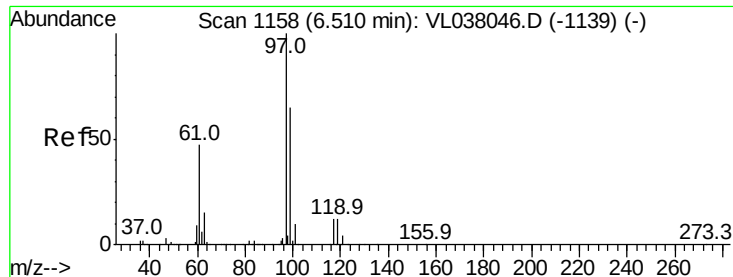
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#5
Vinyl Chloride
Concen: 0.080 ppbv
RT: 3.26 min Scan# 147
Delta R.T. -0.00 min
Lab File: VL038050.D
Acq: 18 Nov 2021 11:18

Tgt Ion: 62 Resp: 6400
Ion Ratio Lower Upper
62 100
64 23.4 25.1 37.7#





#32

1,1,1-Trichloroethane

Concen: 0.081 ppbv

RT: 6.51

Delta R.T. MSVOA_L

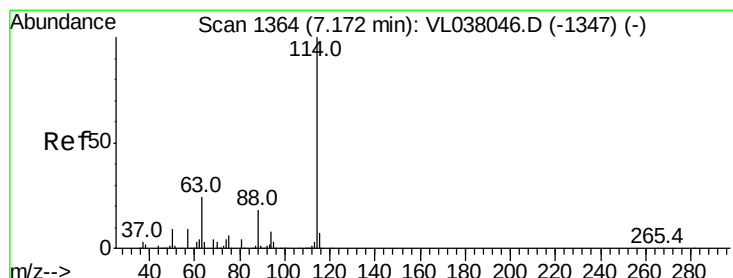
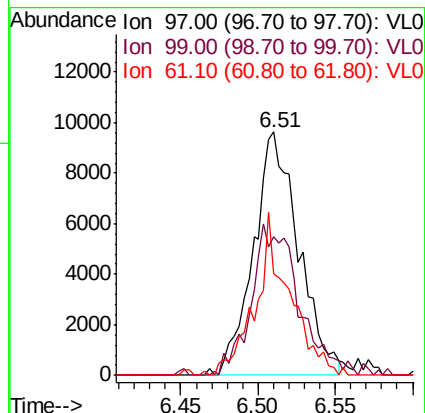
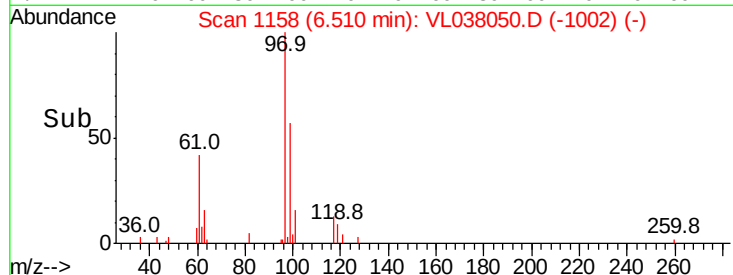
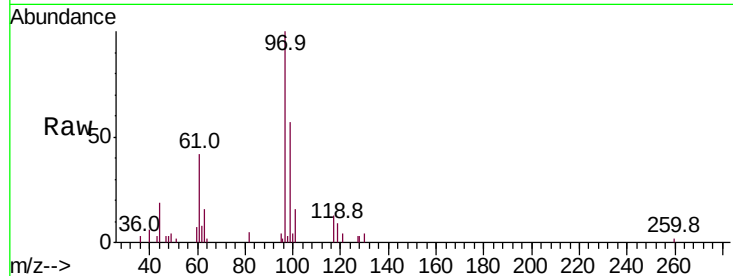
Lab File: ClientSampleId :

Acq: 18 Nov 2021 11:18

Tot Ion:
Ion Rati
97 100
99 65.
61 50.

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

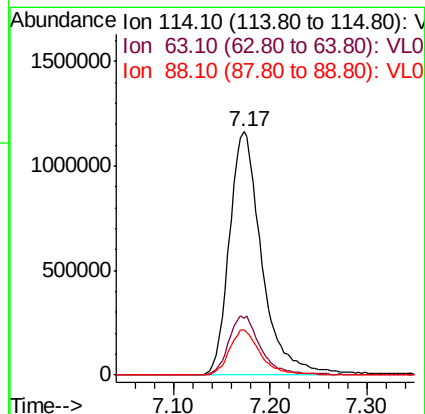
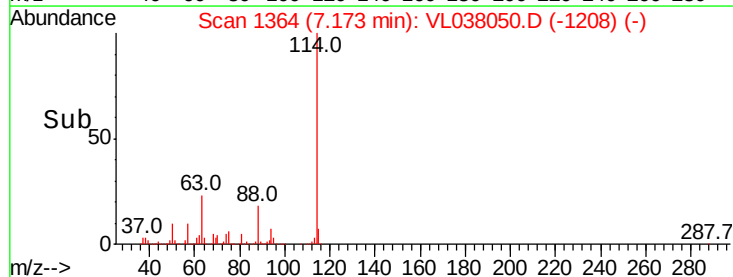
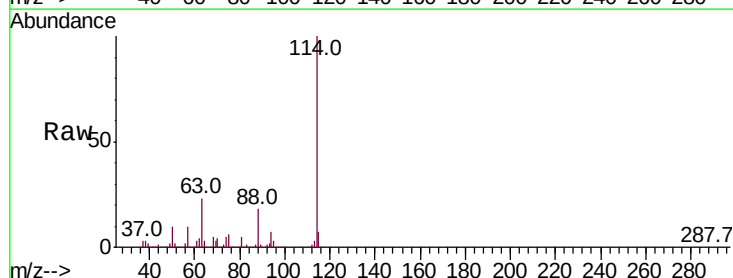
Delta R.T. 0.00 min

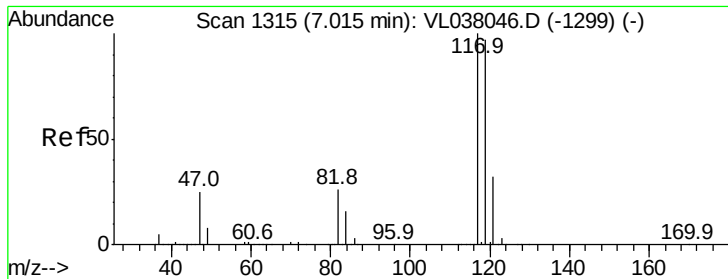
Lab File: VL038050.D

Acq: 18 Nov 2021 11:18

Tgt Ion:114 Resp: 2709335

Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.7	29.5
88	18.2	14.4	21.6





#35

Carbon Tetrachloride

Concen: 0.102 ppbv m

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 11:18 VSTDIC0.1

Tot Ion:1

Ion Rati

117 100

119 87.

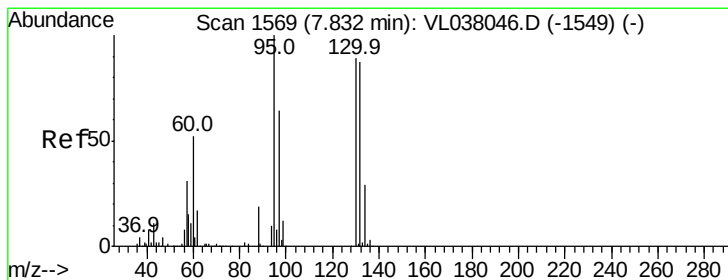
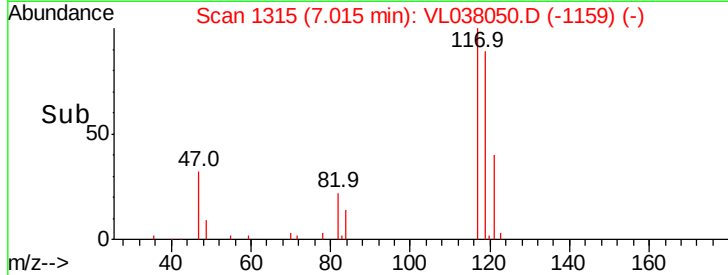
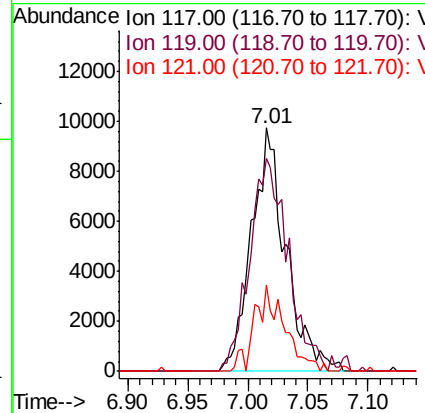
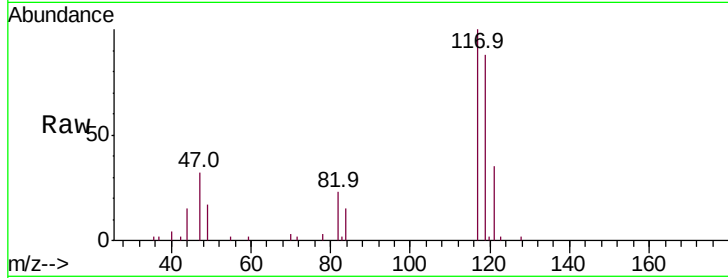
121 35.

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#38

Trichloroethene

Concen: 0.103 ppbv m

RT: 7.83 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VL038050.D

Acq: 18 Nov 2021 11:18

Tgt Ion:130 Resp: 10795

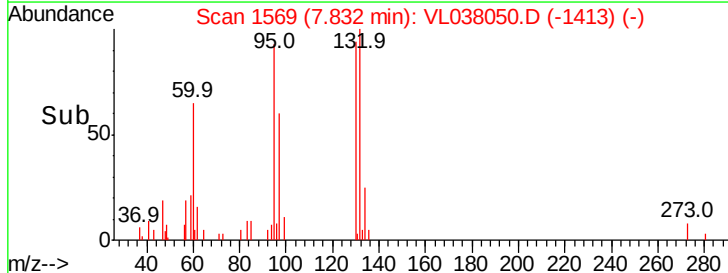
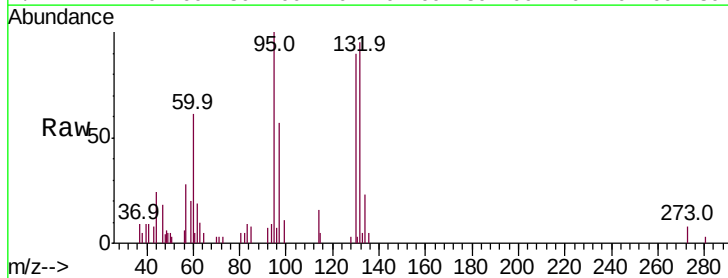
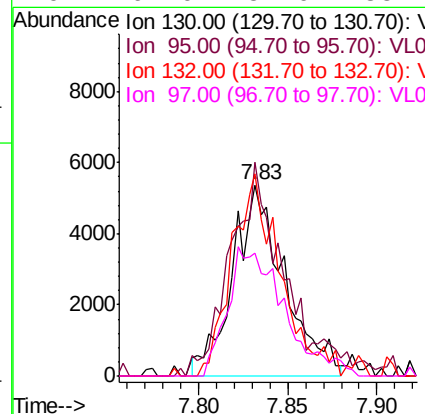
Ion Ratio Lower Upper

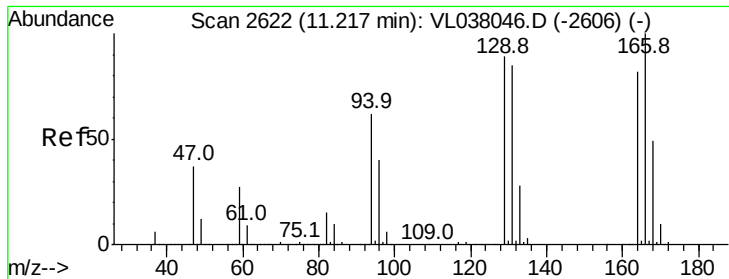
130 100

95 111.6 89.4 134.2

132 105.9 78.2 117.2

97 64.0 57.0 85.4





#52

Tetrachloroethene

Concen: 0.111 ppbv m

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 11:18

Tot Ion:1

Ion Rati

164 100

166 106.

129 84.

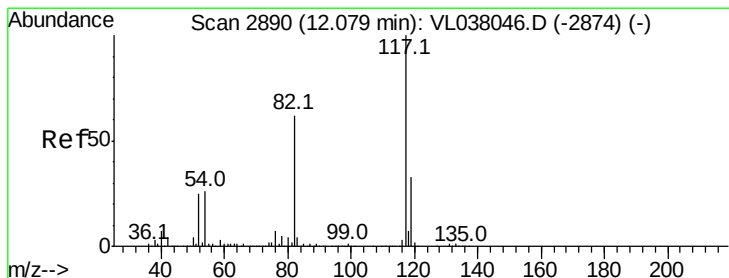
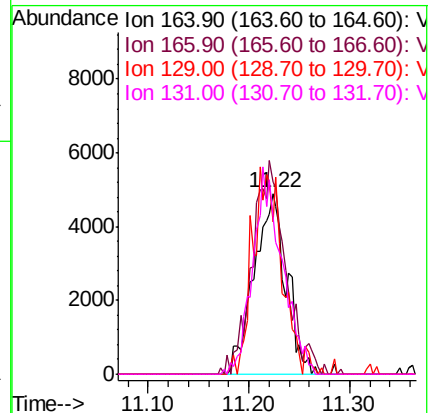
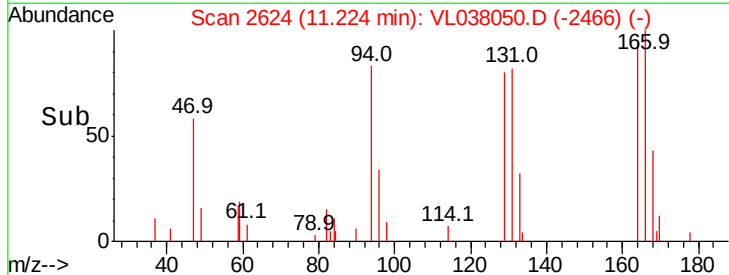
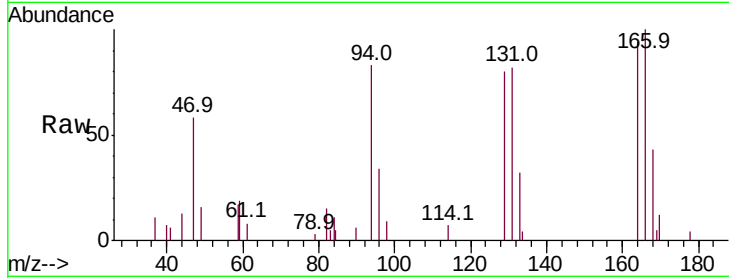
131 86.8 82.8 124.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2890

Delta R.T. 0.00 min

Lab File: VL038050.D

Acq: 18 Nov 2021 11:18

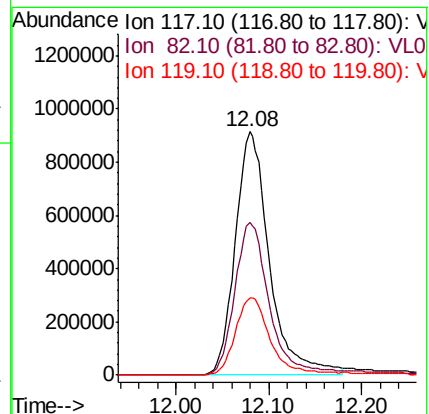
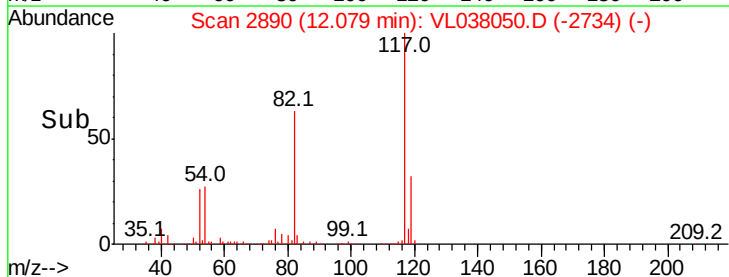
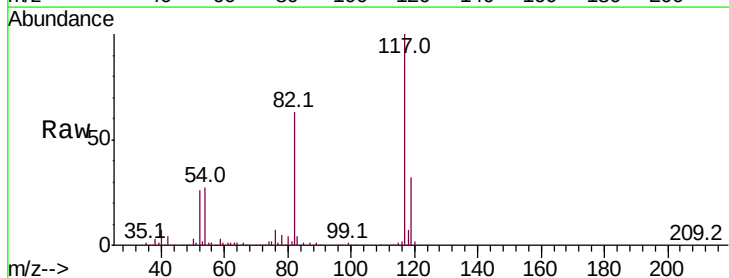
Tgt Ion:117 Resp: 2341619

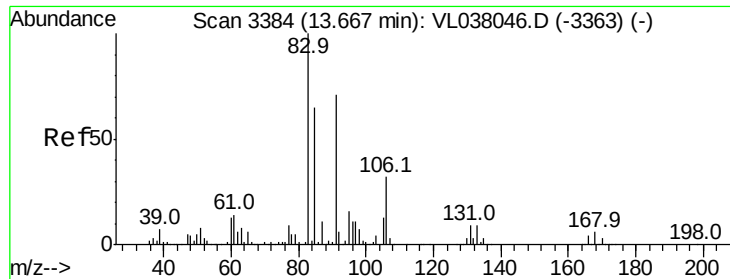
Ion Ratio Lower Upper

117 100

82 66.2 52.8 79.2

119 33.9 26.8 40.2



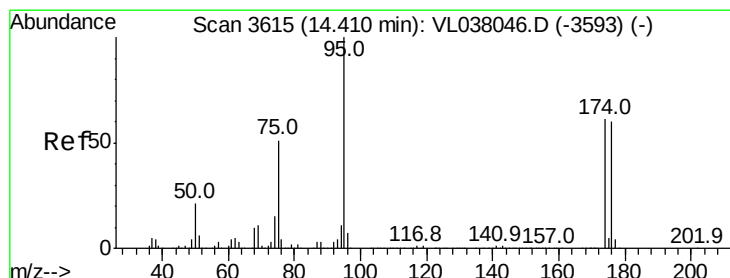
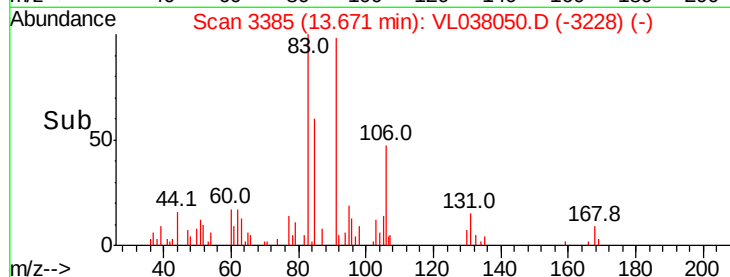
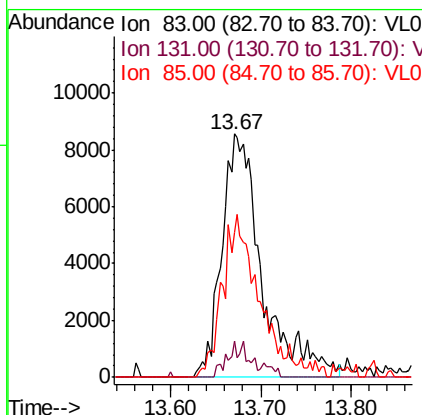
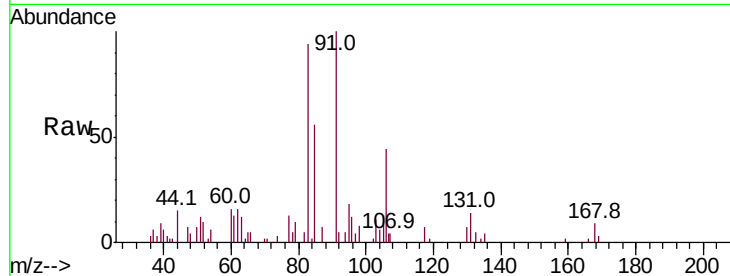


#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.129 ppbv m
 RT: 13.67
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC0.1
 Acq: 18 Nov 2021 11:18

Tot Ion:
 Ion Ratio
 83 100
 131 9.
 85 62.

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.912 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. 0.00 min
 Lab File: VL038050.D
 Acq: 18 Nov 2021 11:18

Tgt Ion: 95 Resp: 1676850
 Ion Ratio Lower Upper
 95 100
 174 67.1 53.1 79.7
 175 4.9 4.0 6.0

