

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111021\
 Data File : VL038020.D
 Acq On : 11 Nov 2021 9:31
 Operator : SY/AP
 Sample : M4598-04DL2 1200X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 356-4DL2

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/12/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 15 07:44:16 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1264791	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3939242	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3467268	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2446672	9.71	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
31) cis-1,2-Dichloroethene	5.52	61	23979m	0.179	ppbv	
38) Trichloroethene	7.81	130	679719	5.105	ppbv	97
52) Tetrachloroethene	11.20	164	3455766	28.397	ppbv	96

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

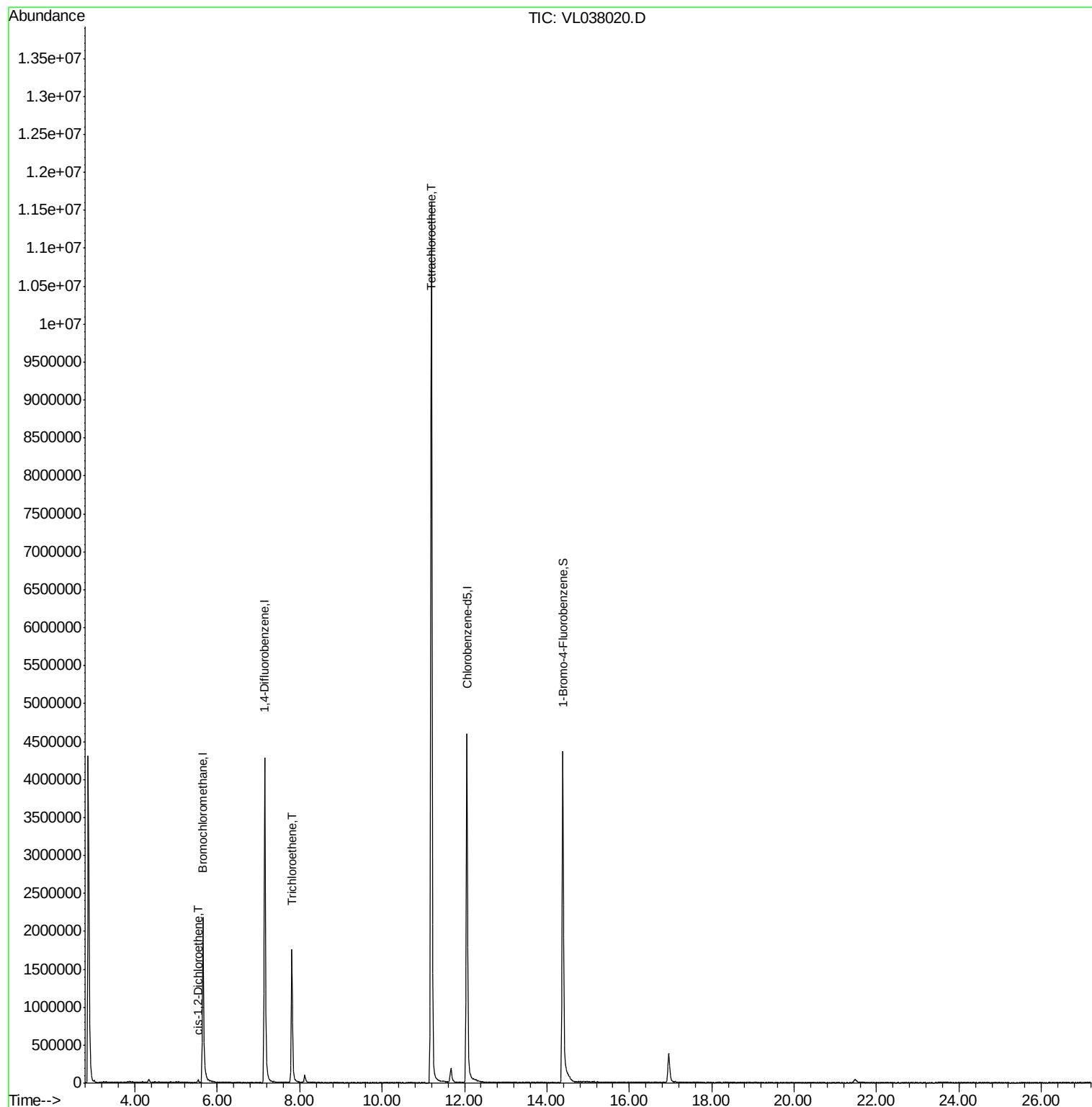
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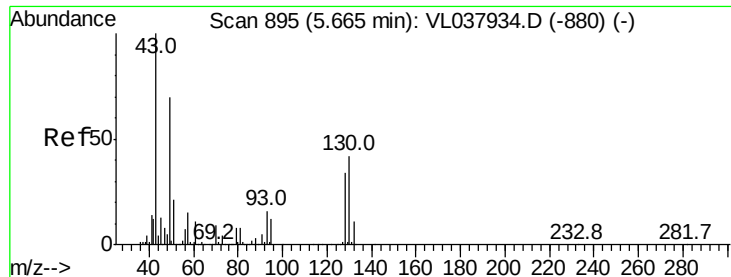
Instrument :
MSVOA_L
ClientSampleId :
356-4DL2

Manual Integrations
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Quant Time: Nov 15 07:44:16 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110121
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: 356-4DL2

Acq: 11 Nov 2021 9:31

Tot Ion:

Ion Ratio

49 100

128 54.

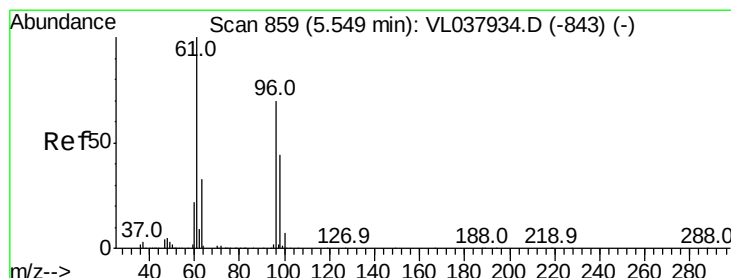
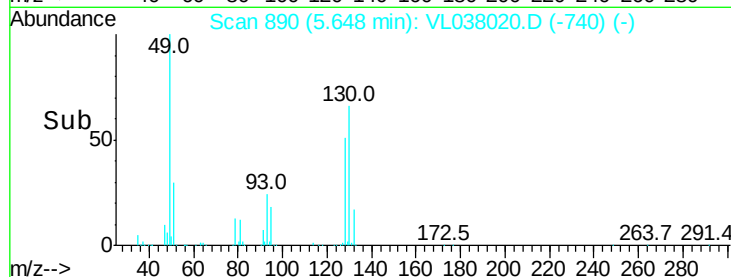
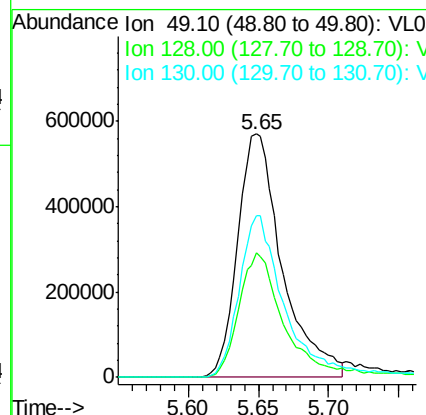
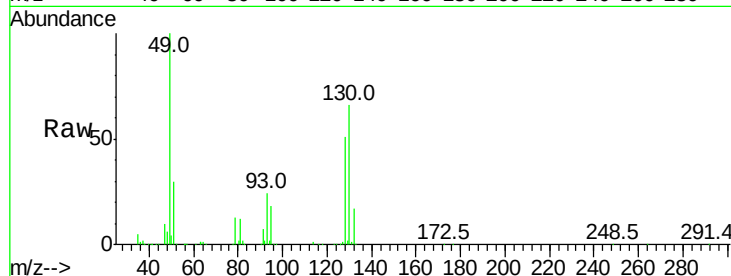
130 70.

Manual Integrations

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#31

cis-1,2-Dichloroethene

Concen: 0.179 ppbv m

RT: 5.52 min Scan# 851

Delta R.T. -0.03 min

Lab File: VL038020.D

Acq: 11 Nov 2021 9:31

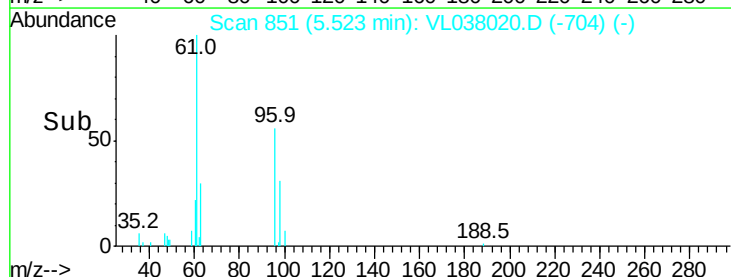
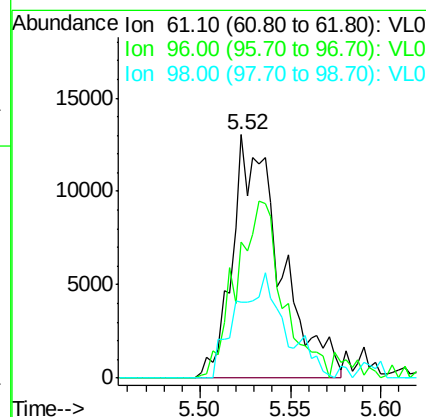
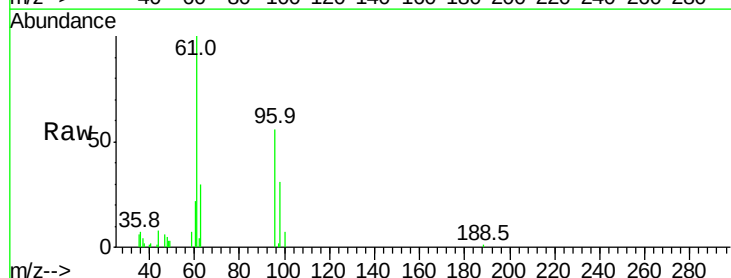
Tgt Ion: 61 Resp: 23979

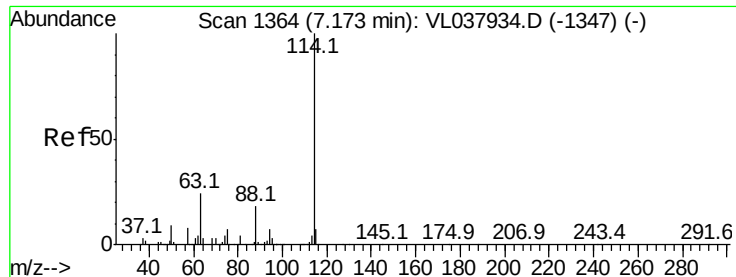
Ion Ratio Lower Upper

61 100

96 55.9 55.6 83.4

98 31.4 34.9 52.3#



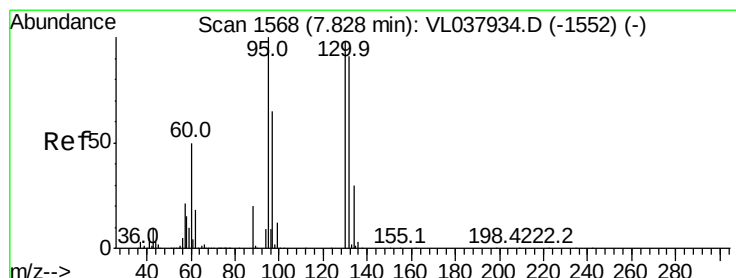
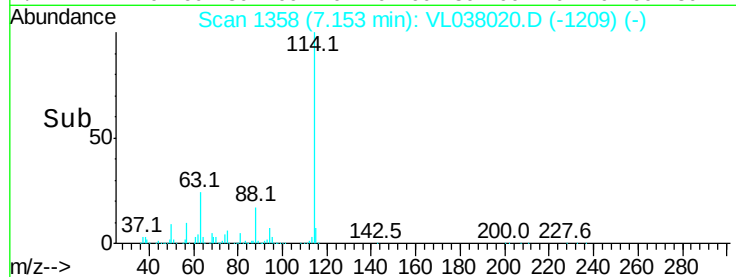
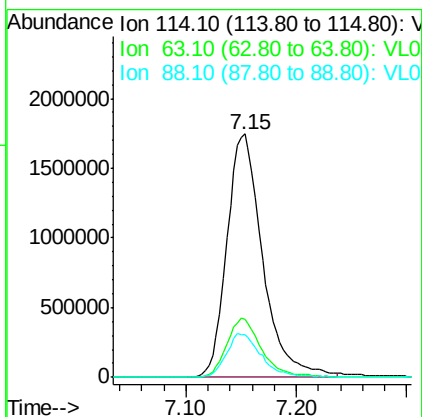
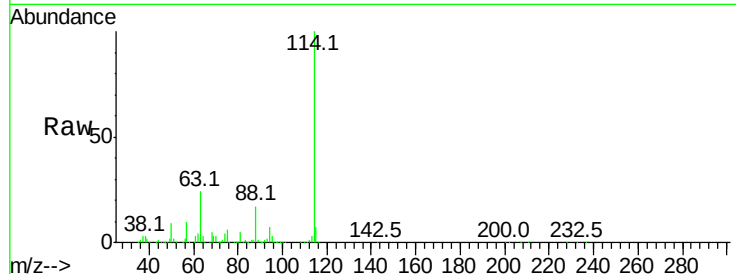


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 356-4DL2
 Acq: 11 Nov 2021 9:31

Tot Ion:1
 Ion Rati
 114 100
 63 23.
 88 17.

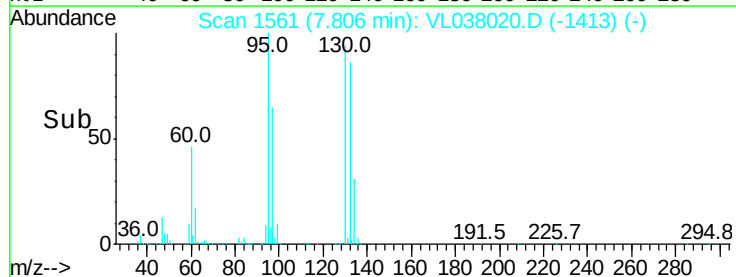
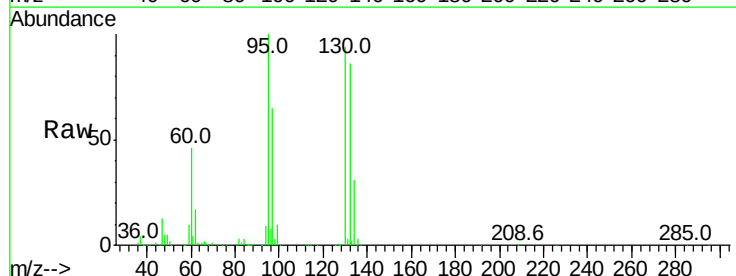
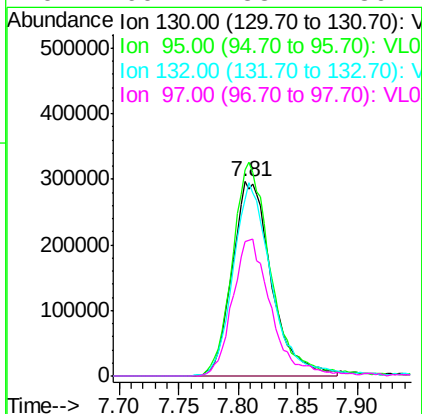
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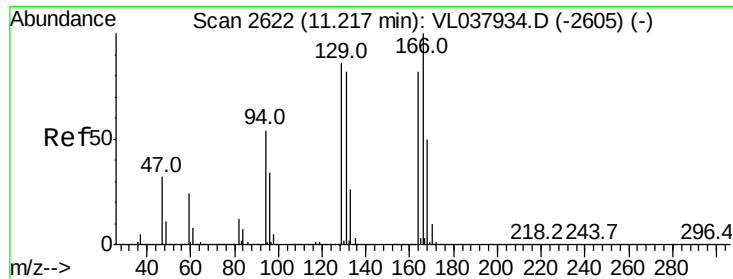
Reviewed By :Semsettin Yesilyurt 11/12/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#38
 Trichloroethene
 Concen: 5.105 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.02 min
 Lab File: VL038020.D
 Acq: 11 Nov 2021 9:31

Tgt Ion:130 Resp: 679719
 Ion Ratio Lower Upper
 130 100
 95 106.2 81.8 122.8
 132 91.3 74.2 111.2
 97 69.4 53.4 80.2



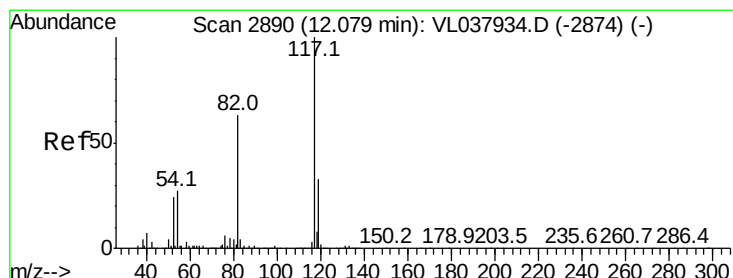
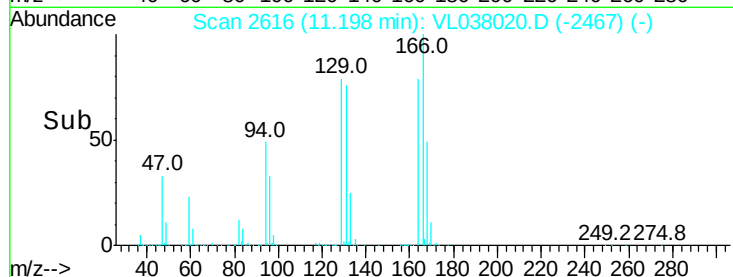
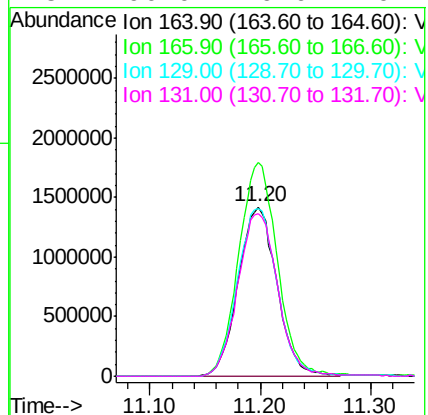
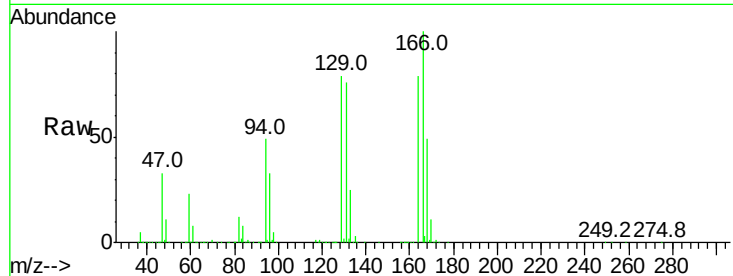


#52
Tetrachloroethene
Concen: 28.397 ppbv
RT: 11.20 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 11 Nov 2021 9:31

Tot Ion: 1
Ion Ratio
164 100
166 126.
129 99.
131 96.0 79.6 119.4

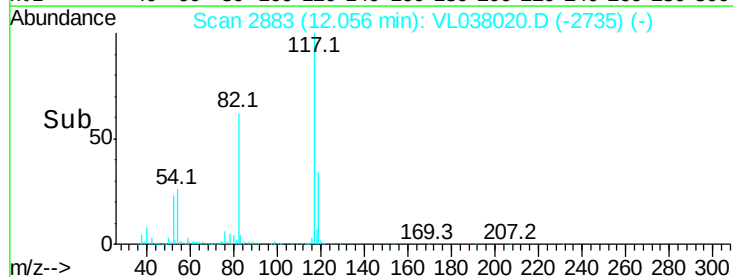
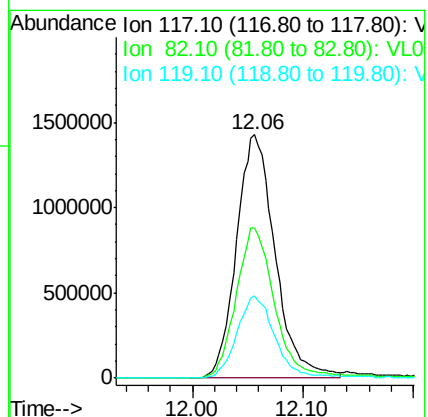
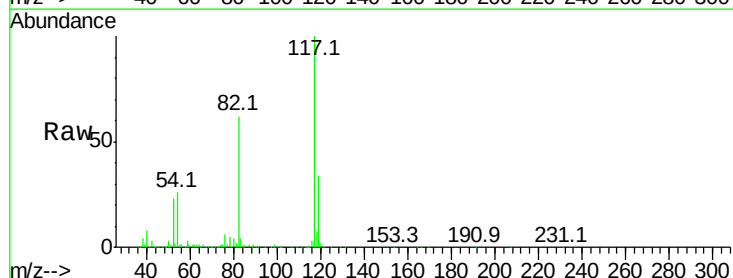
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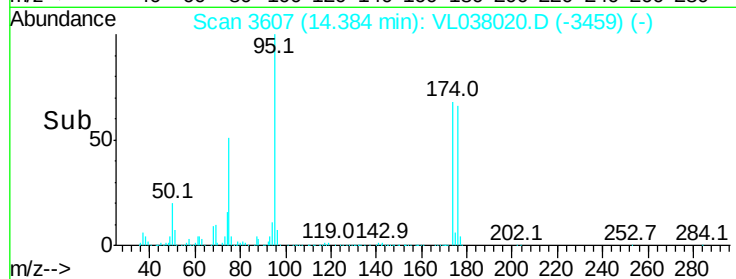
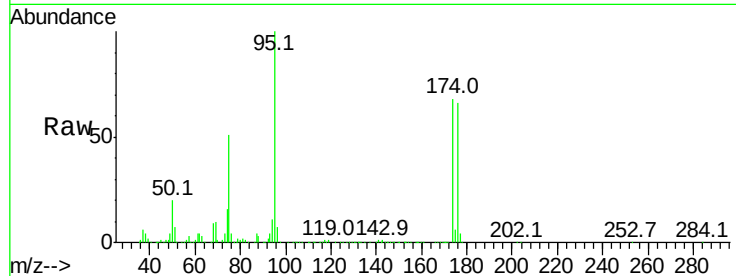
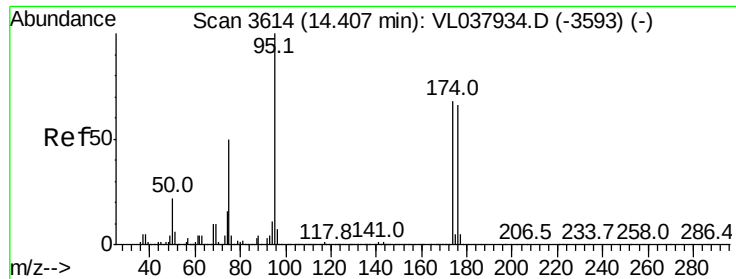
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T.: -0.02 min
Lab File: VL038020.D
Acq: 11 Nov 2021 9:31

Tgt Ion: 117 Resp: 3467268
Ion Ratio Lower Upper
117 100
82 62.9 51.0 76.6
119 34.2 26.9 40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.708 ppbv

RT: 14.38

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

356-4DL2

Acq: 11 Nov 2021 9:31

Tot Ion:

Ion Ratio

95 100

174 75.

175 5.

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 11/17/2021

