

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL120721\
 Data File : VL038150.D
 Acq On : 7 Dec 2021 14:49
 Operator : SY/AP
 Sample : M4827-02DL2 100X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL2

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021

Quant Time: Dec 08 00:54:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	852919	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2283635	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	1947226	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1579211	11.24	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.64	45	5931m	0.930	ppbv	
20) Methylene Chloride	4.34	84	39748	0.960	ppbv	92
36) Benzene	6.88	78	21795m	0.096	ppbv	
52) Tetrachloroethene	11.20	164	703228	8.343	ppbv	98

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

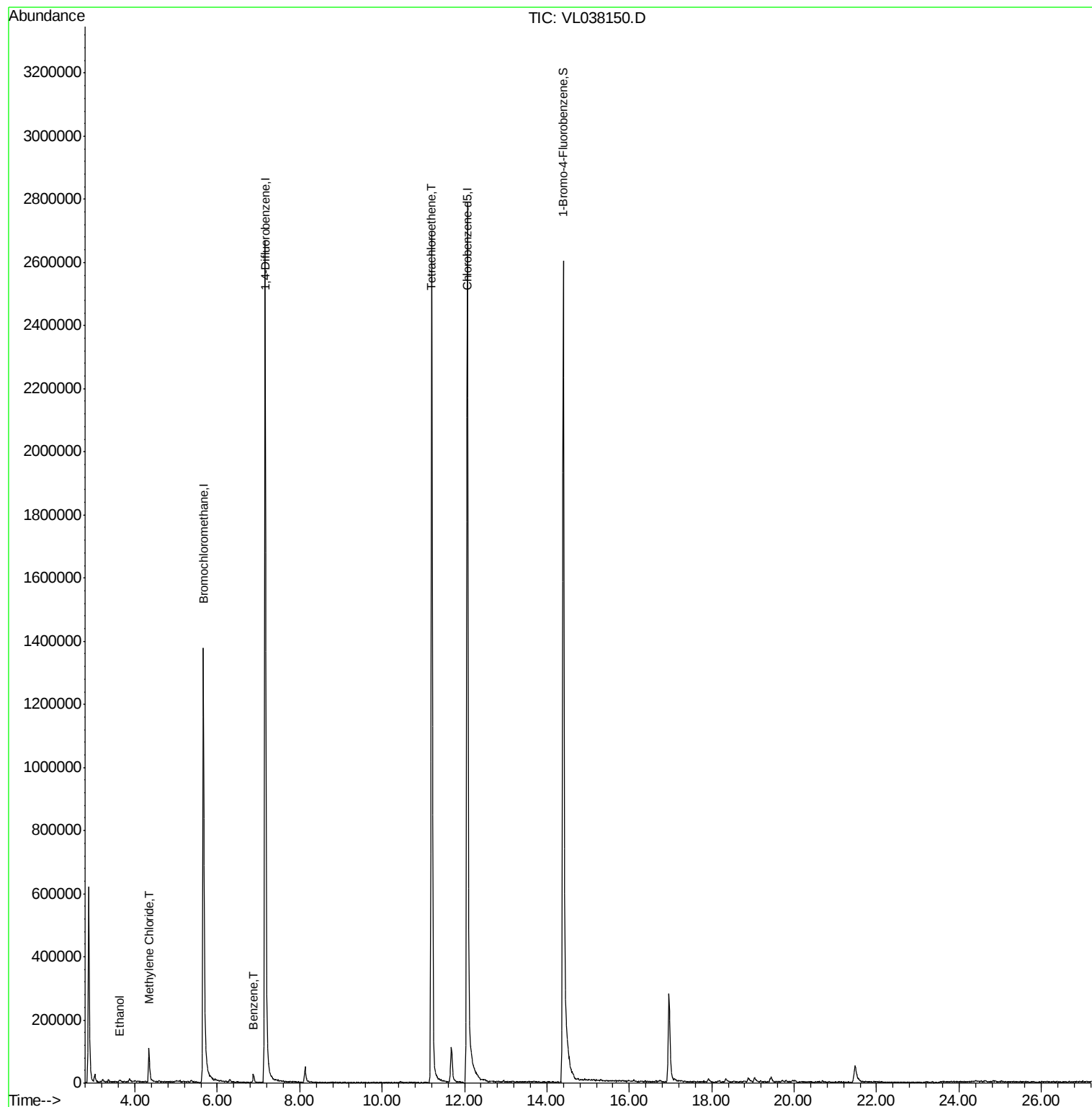
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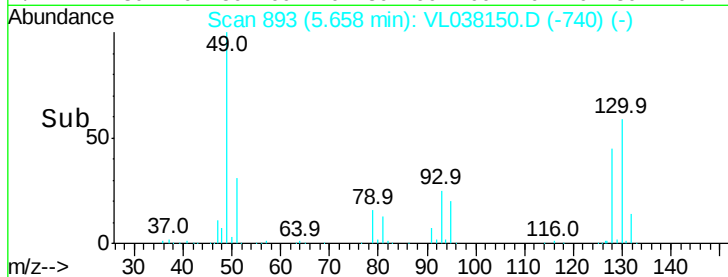
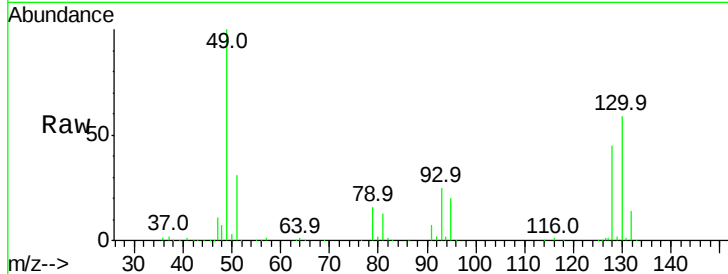
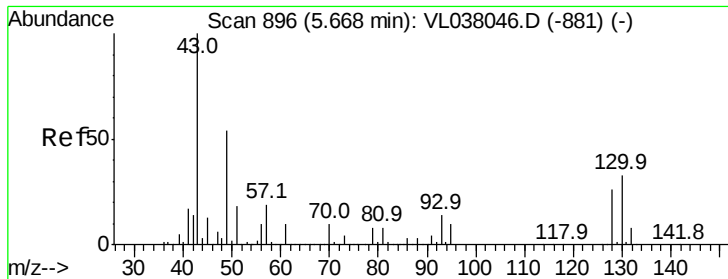
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL2

Quant Time: Dec 08 00:54:47 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 14:49

Tot Ion:

Ion Ratio

49 100

128 47.

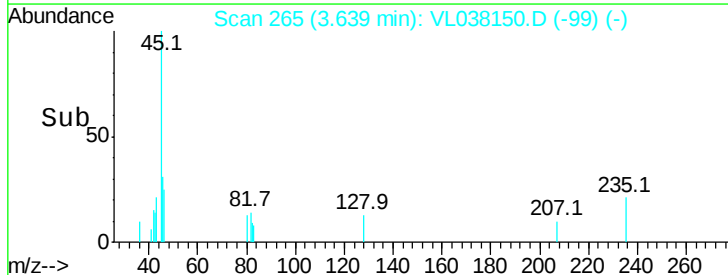
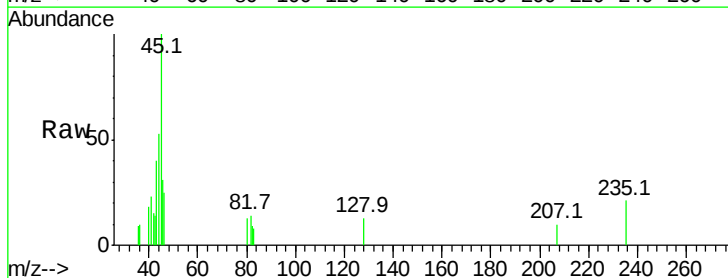
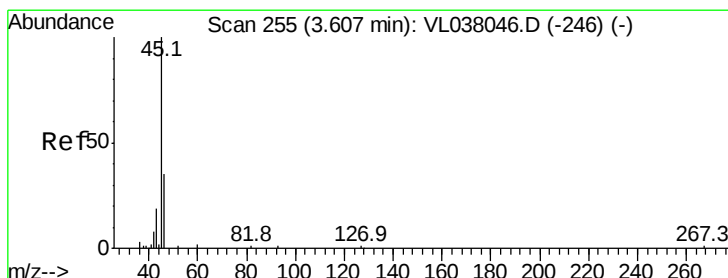
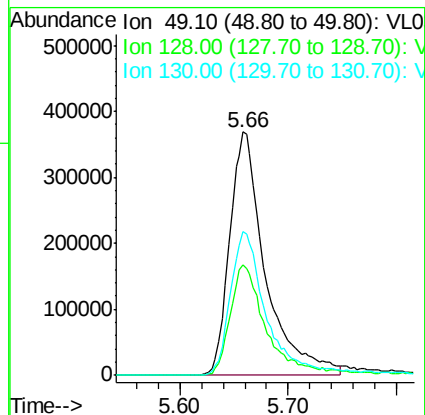
130 61.

Manual Integrations

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#13

Ethanol

Concen: 0.930 ppbv m

RT: 3.64 min Scan# 265

Delta R.T. 0.03 min

Lab File: VL038150.D

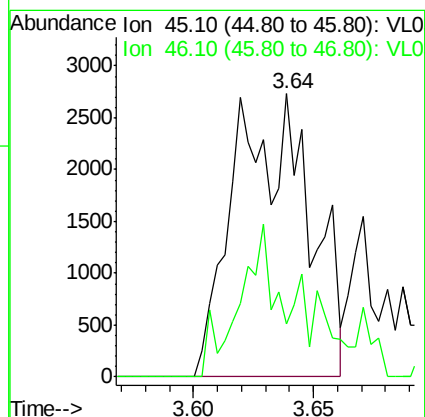
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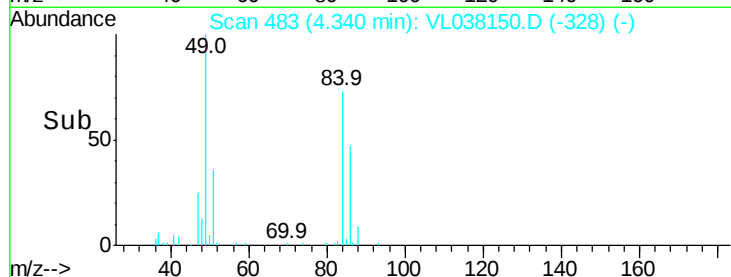
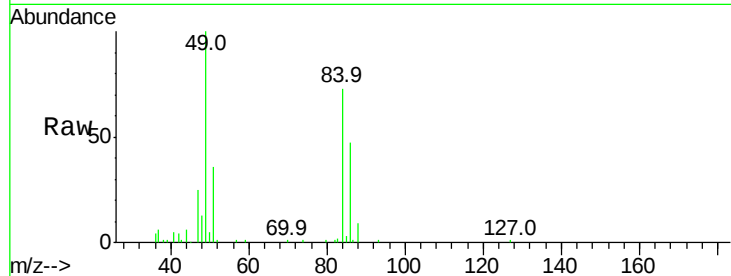
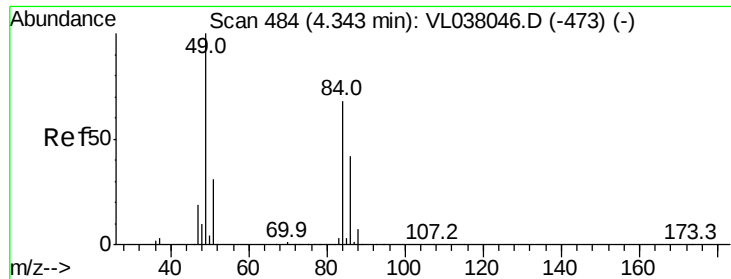
Tgt Ion: 45 Resp: 5931

Ion Ratio Lower Upper

45 100

46 0.0 17.6 70.2#



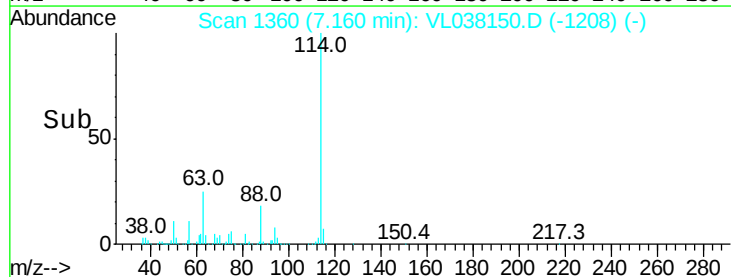
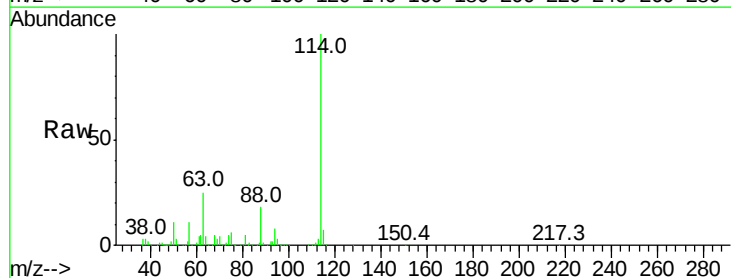
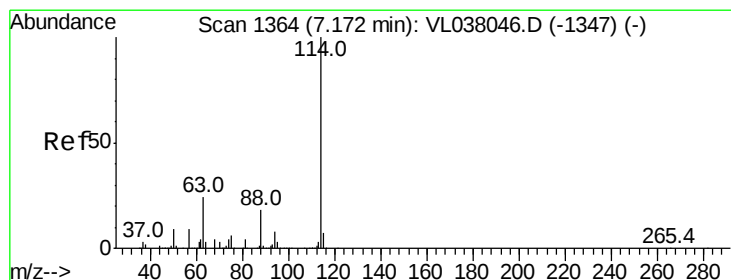
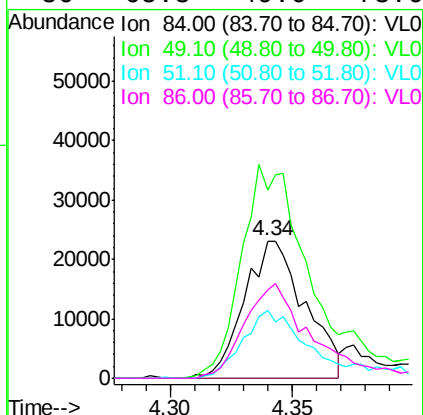


#20
Methvlene Chloride
Concen: 0.960 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Dec 2021 14:49

Tot Ion:
Ion Ratio
84 100
49 135.
51 50.
86 65.8 49.0 73.6

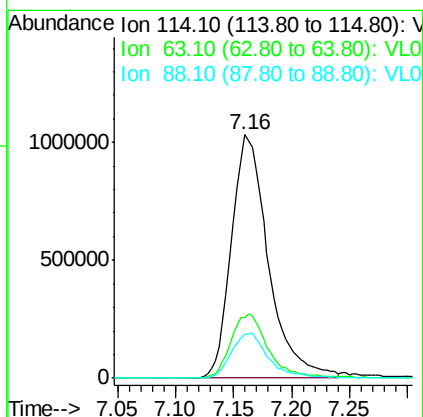
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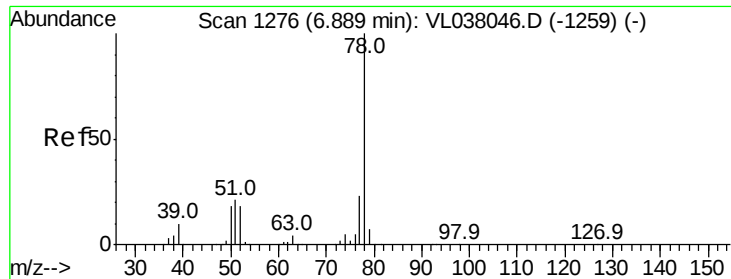
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.01 min
Lab File: VL038150.D
Acq: 7 Dec 2021 14:49

Tgt Ion:114 Resp: 2283635
Ion Ratio Lower Upper
114 100
63 27.1 19.7 29.5
88 18.8 14.4 21.6



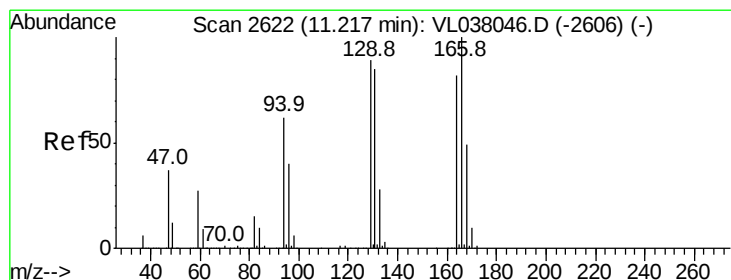
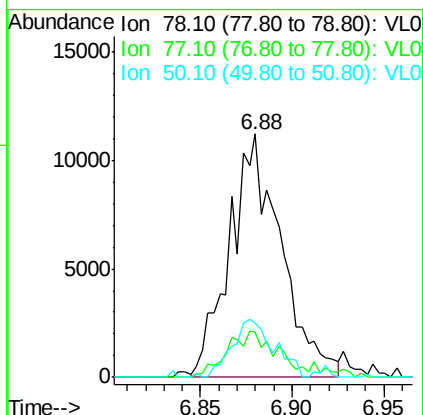
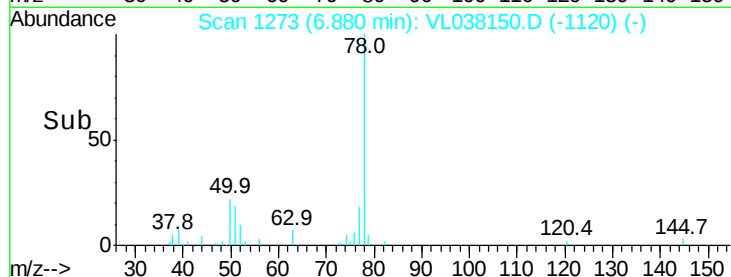
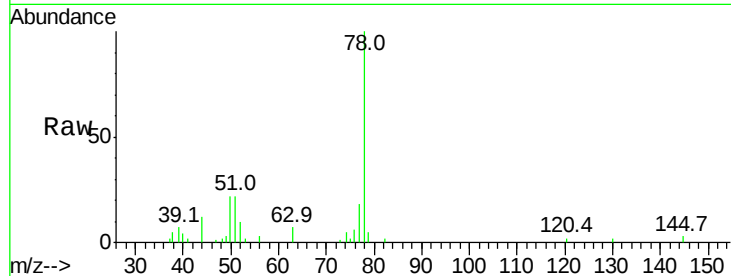


#36
Benzene
Concen: 0.096 ppbv m
RT: 6.88
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 7 Dec 2021 14:49

Tot Ion:
Ion Ratio
78 100
77 18.
50 22.

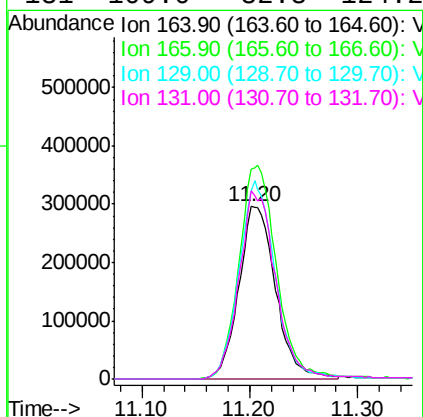
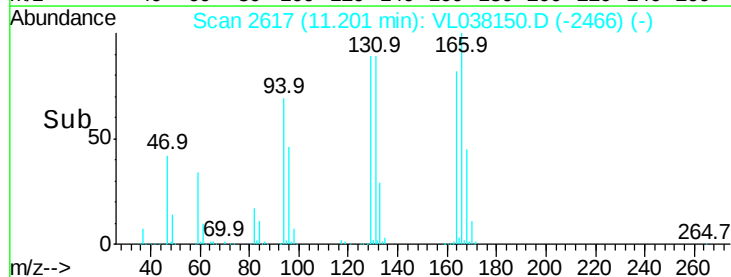
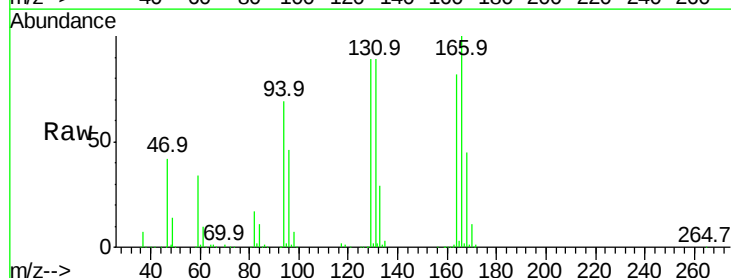
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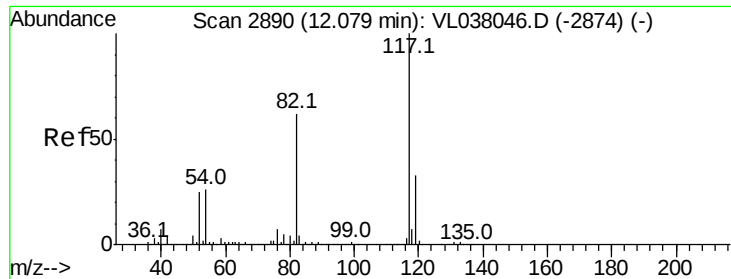
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#52
Tetrachloroethene
Concen: 8.343 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.02 min
Lab File: VL038150.D
Acq: 7 Dec 2021 14:49

Tgt Ion:164 Resp: 703228
Ion Ratio Lower Upper
164 100
166 122.3 97.2 145.8
129 109.1 86.9 130.3
131 109.0 82.8 124.2



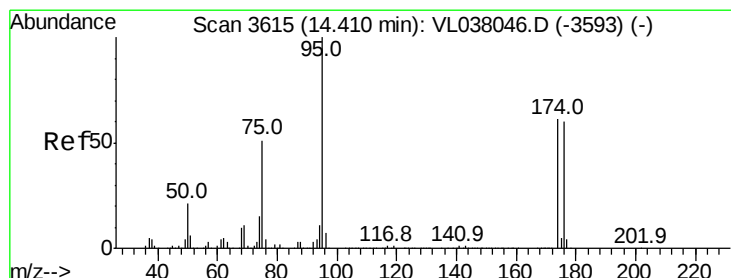
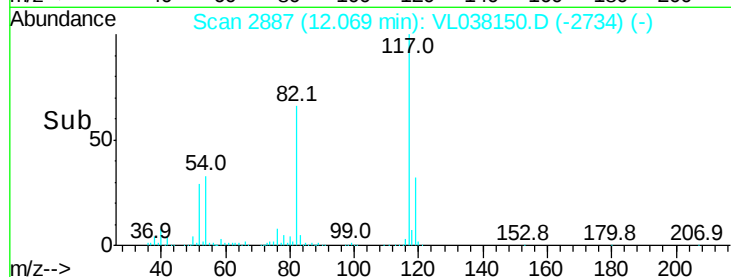
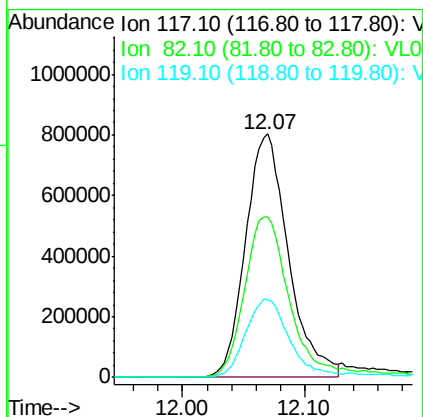
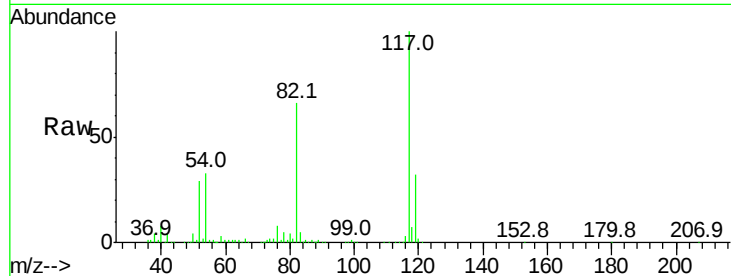


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Dec 2021 14:49

Tot Ion: 1
Ion Ratio
117 100
82 72.
119 35.

Manual Integrations
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Supervised By :Semsettin Yesilyurt 12/08/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 11.243 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.01 min
Lab File: VL038150.D
Acq: 7 Dec 2021 14:49

Tgt Ion: 95 Resp: 1579211
Ion Ratio Lower Upper
95 100
174 61.8 53.1 79.7
175 4.5 4.0 6.0

