

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL120721\
 Data File : VL038148.D
 Acq On : 7 Dec 2021 13:31
 Operator : SY/AP
 Sample : M4827-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DL

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021

Quant Time: Dec 07 15:09:57 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	908429	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2388100	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2056573	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1642952	11.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.63	45	17002m	2.504	ppbv	
15) Acetone	3.86	43	50969m	0.647	ppbv	
20) Methylene Chloride	4.34	84	146624	3.324	ppbv	87
26) Hexane	5.68	57	77809	0.617	ppbv #	44

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

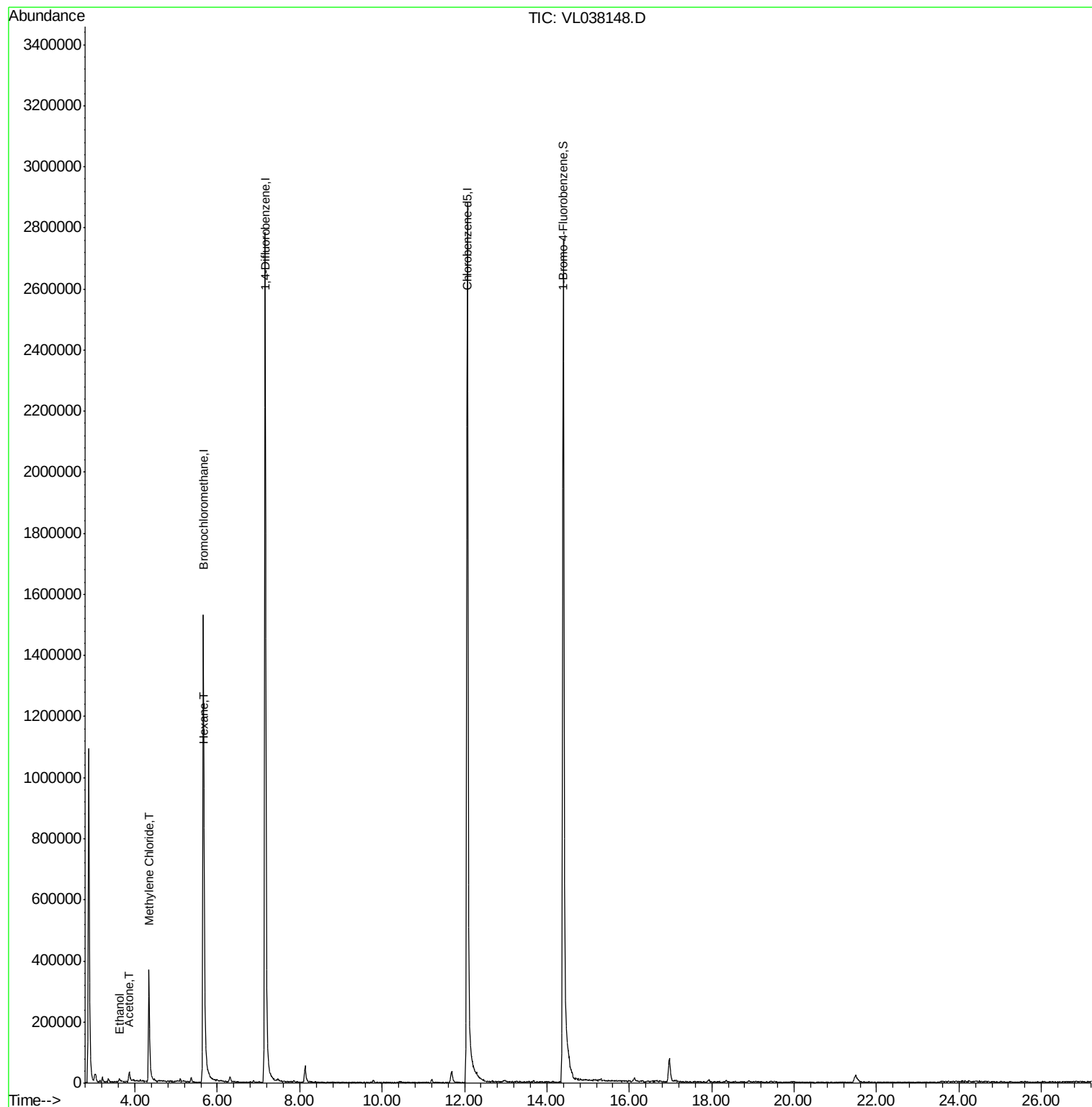
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL120721\
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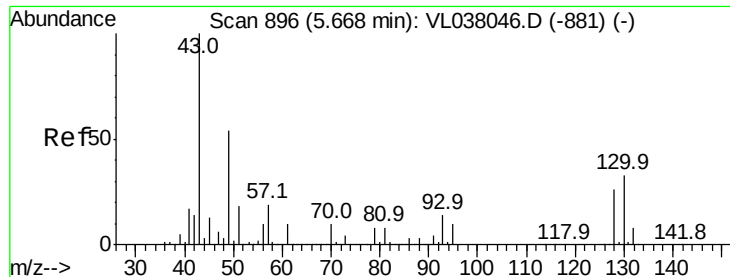
Instrument :
MSVOA_L
ClientSampleId :
AA-1DL

Quant Time: Dec 07 15:09:57 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Dec 2021 13:31

Tot Ion:

Ion Ratio

49 100

128 47.

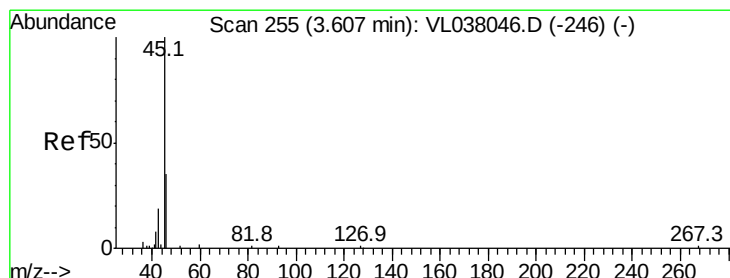
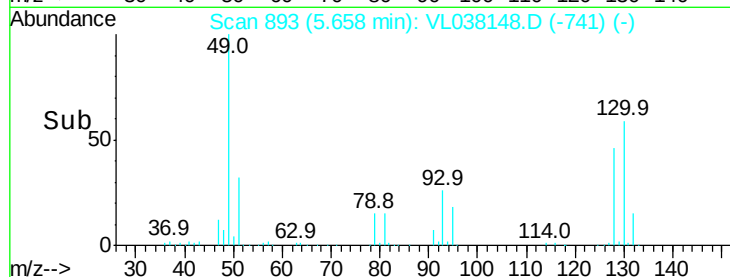
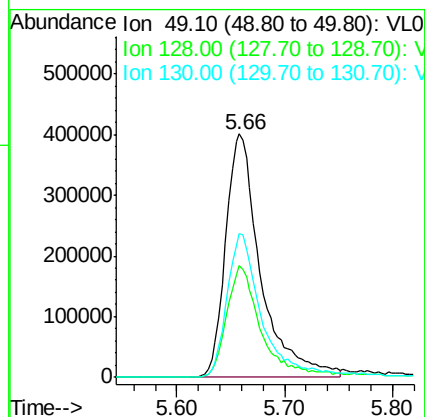
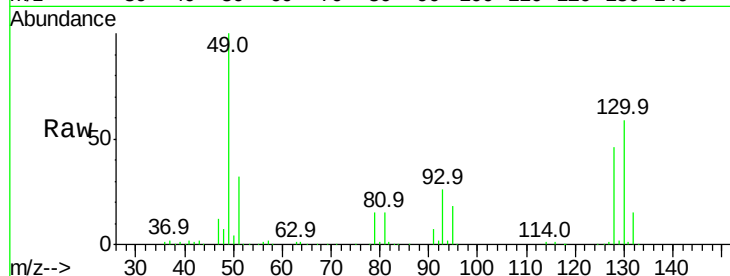
130 61.

Manual Integrations

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#13

Ethanol

Concen: 2.504 ppbv m

RT: 3.63 min Scan# 262

Delta R.T. 0.02 min

Lab File: VL038148.D

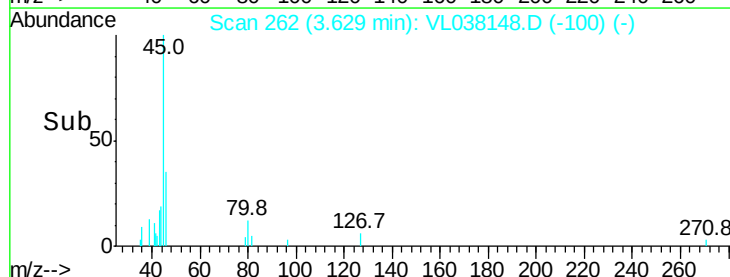
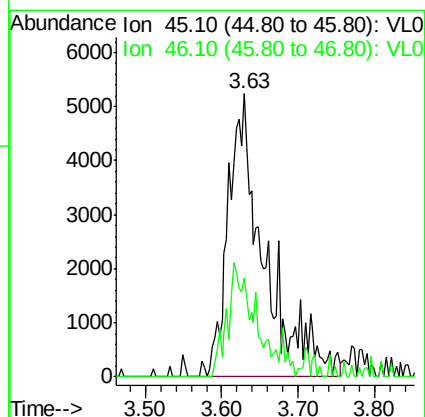
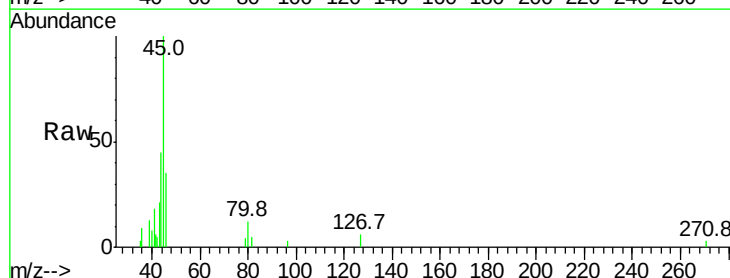
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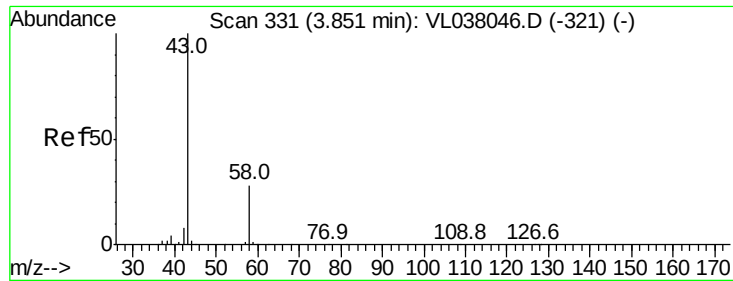
Tgt Ion: 45 Resp: 17002

Ion Ratio Lower Upper

45 100

46 0.0 17.6 70.2#





#15

Acetone

Concen: 0.647 ppbv m

RT: 3.86

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 13:31

Tot Ion:

Ion Ratio

43 100

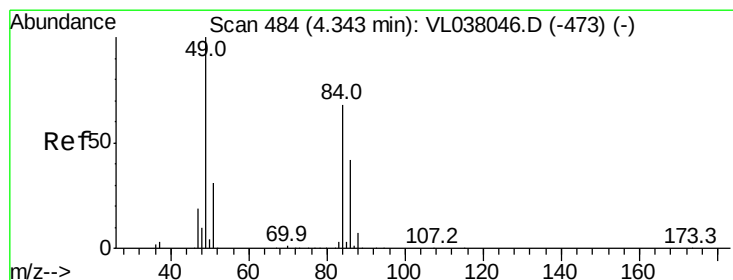
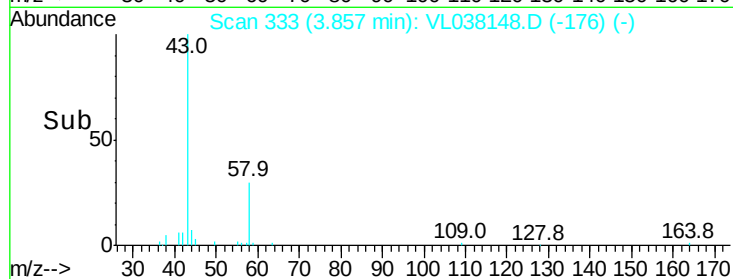
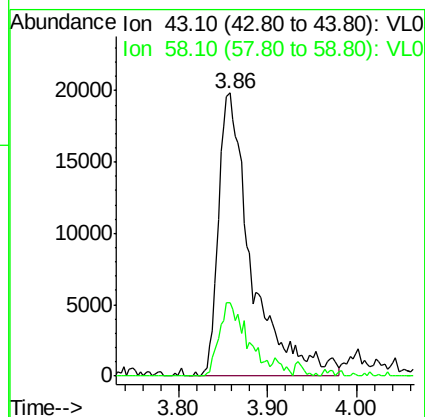
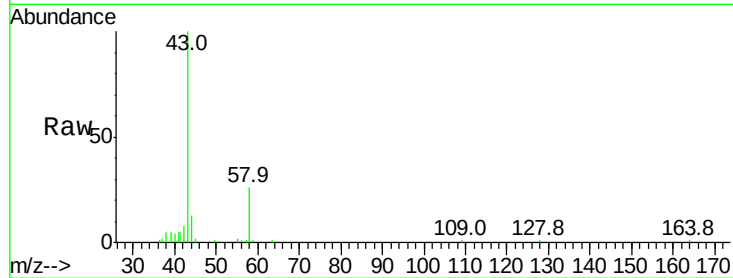
58 23.

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#20

Methylene Chloride

Concen: 3.324 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL038148.D

Acq: 7 Dec 2021 13:31

Tgt Ion: 84 Resp: 146624

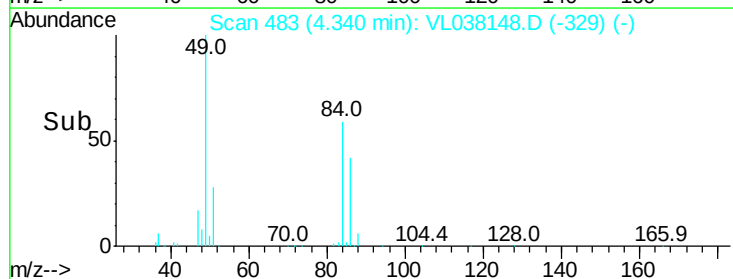
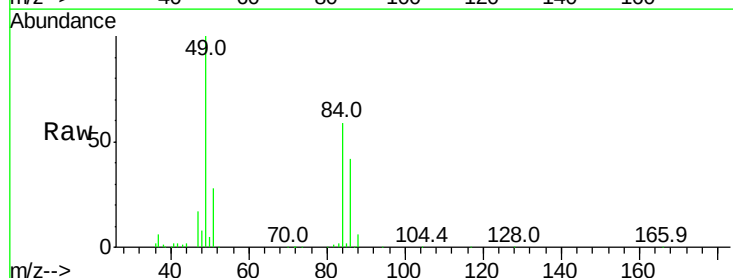
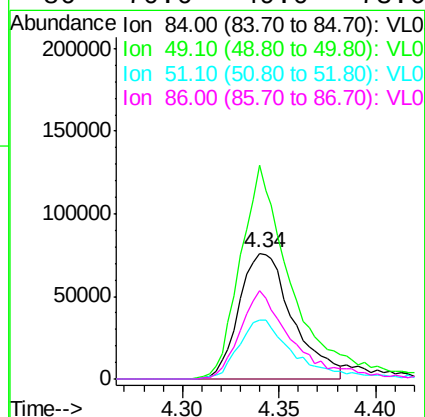
Ion Ratio Lower Upper

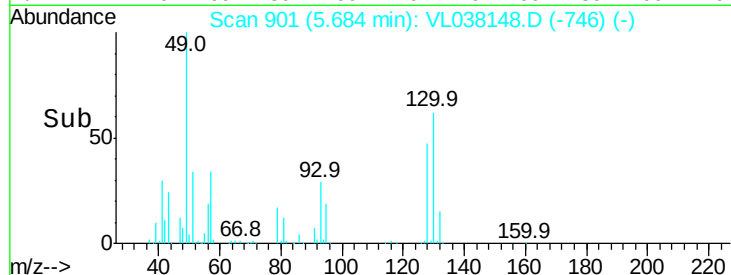
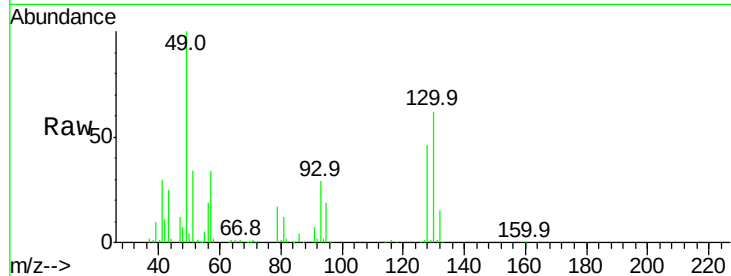
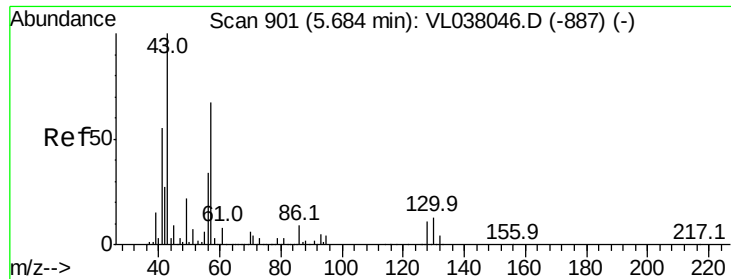
84 100

49 169.8 118.2 177.2

51 47.0 36.8 55.2

86 70.6 49.0 73.6



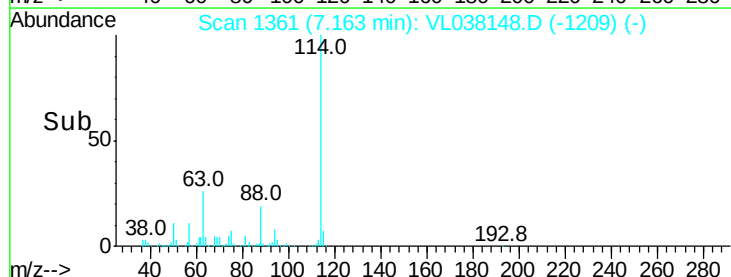
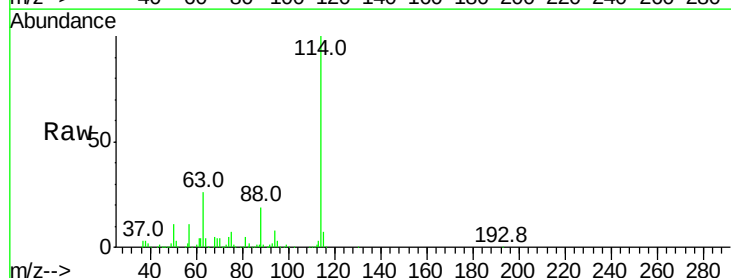
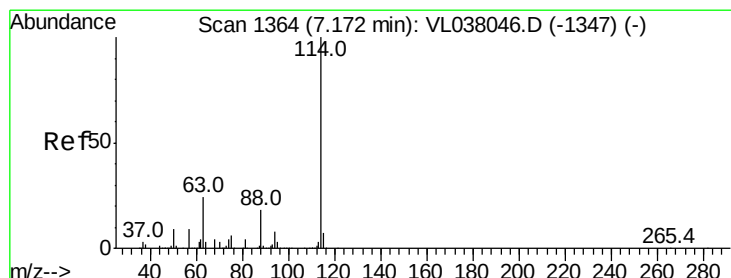
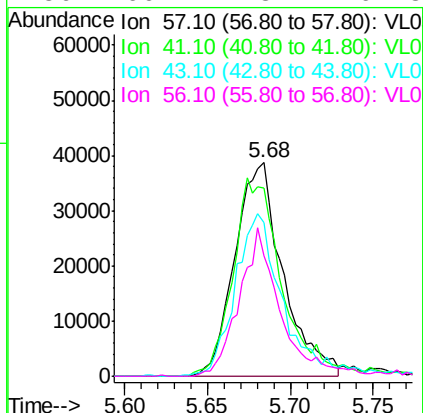


#26
Hexane
Concen: 0.617 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Dec 2021 13:31

Tot Ion:
Ion Ratio
57 100
41 96.
43 78.
56 60.1 43.2 64.8

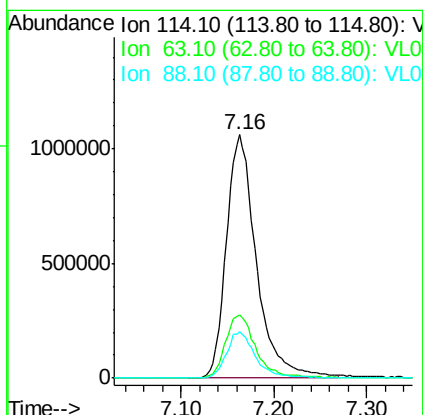
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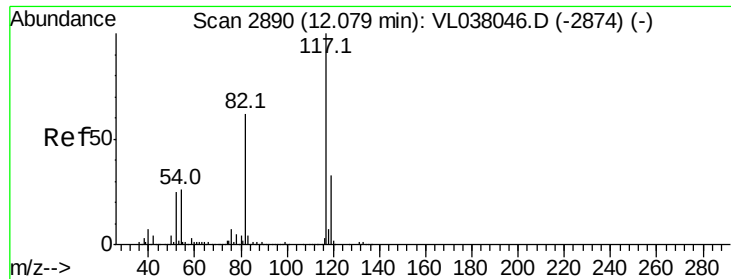
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.01 min
Lab File: VL038148.D
Acq: 7 Dec 2021 13:31

Tgt Ion:114 Resp: 2388100
Ion Ratio Lower Upper
114 100
63 26.9 19.7 29.5
88 18.5 14.4 21.6



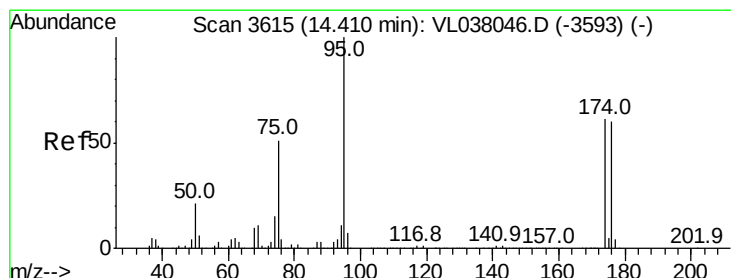
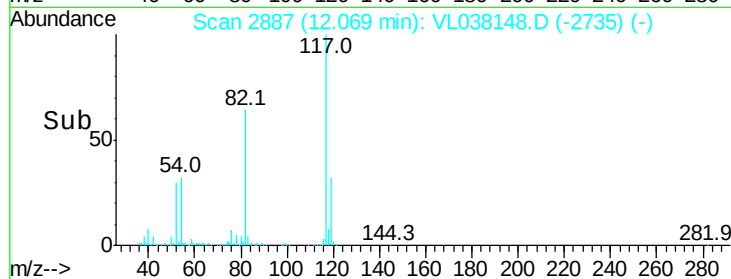
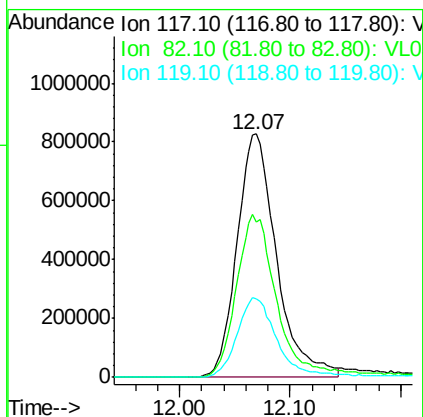
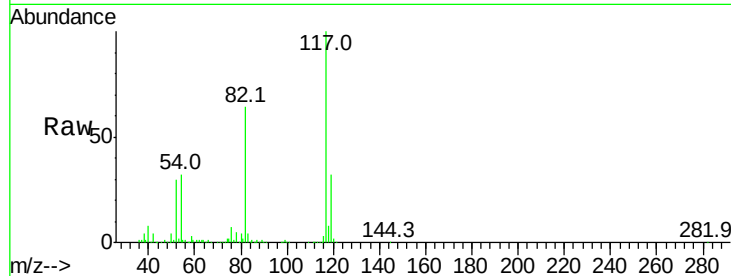


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Dec 2021 13:31

Tot Ion: 1
Ion Ratio
117 100
82 72.
119 34.

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 11.075 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.01 min
Lab File: VL038148.D
Acq: 7 Dec 2021 13:31

Tgt Ion: 95 Resp: 1642952
Ion Ratio Lower Upper
95 100
174 61.9 53.1 79.7
175 4.6 4.0 6.0

