

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012422\
 Data File : VL038275.D
 Acq On : 25 Jan 2022 00:59
 Operator : SY/AP
 Sample : N1244-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/25/2022
 Supervised By :Mahesh Dadoda 01/26/2022

Quant Time: Jan 25 14:52:13 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012422A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	823770	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2211466	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	1885667	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1407592	9.83	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	32464m	0.608	ppbv	
13) Ethanol	3.64	45	22837m	3.985	ppbv	
15) Acetone	3.87	43	454629	6.261	ppbv	98
26) Hexane	5.70	57	15490	0.164	ppbv #	41
34) 2-Butanone	5.28	43	13886m	0.192	ppbv	
52) Tetrachloroethene	11.23	164	124107	1.841	ppbv	97
53) Toluene	9.82	91	211419	0.976	ppbv	98
59) m/p-Xylene	12.97	91	53270m	0.225	ppbv	

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

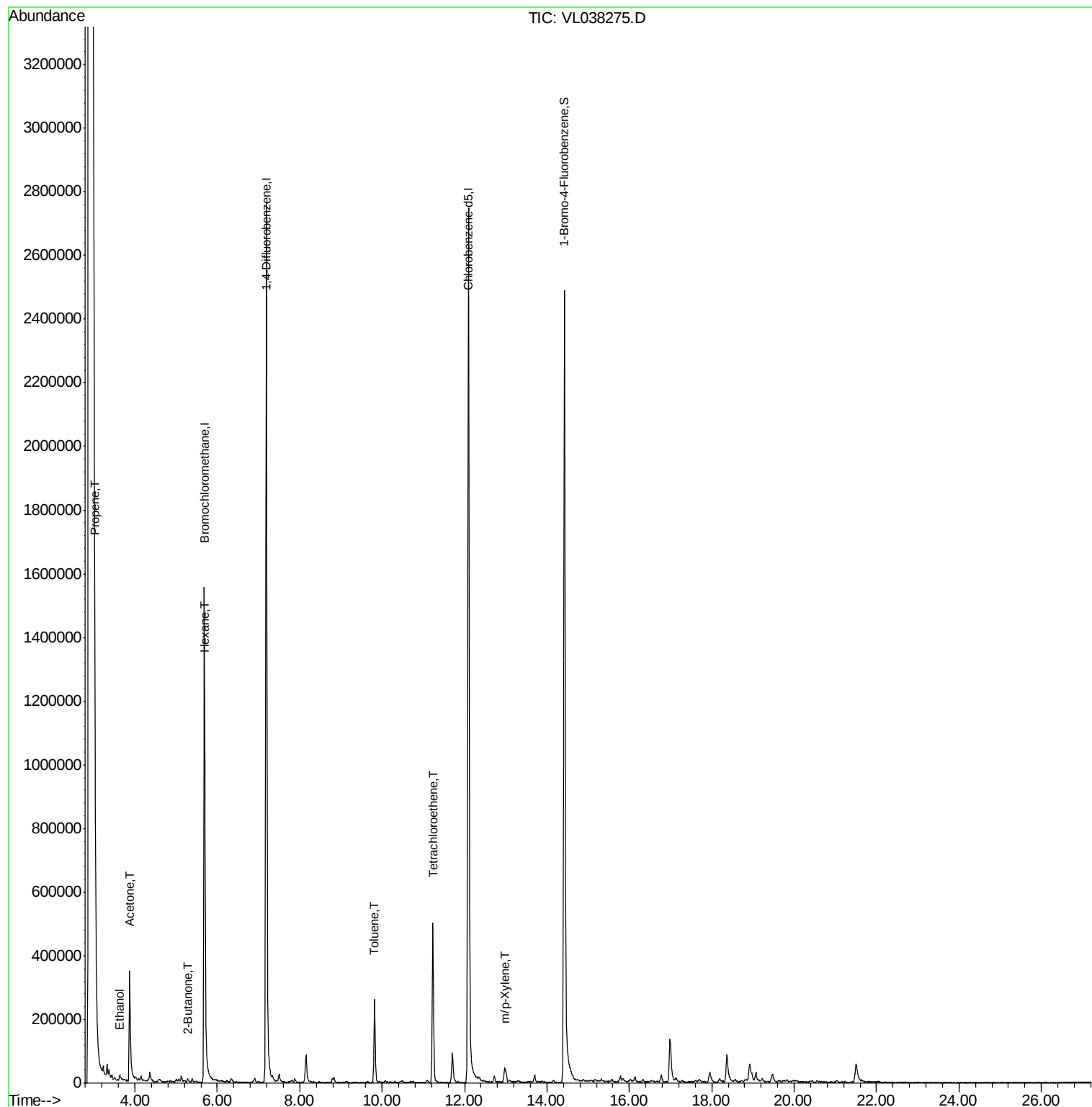
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL012422\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Jan 2022 00:59

Tot Ion:

Ion Ratio

49 100

128 49.

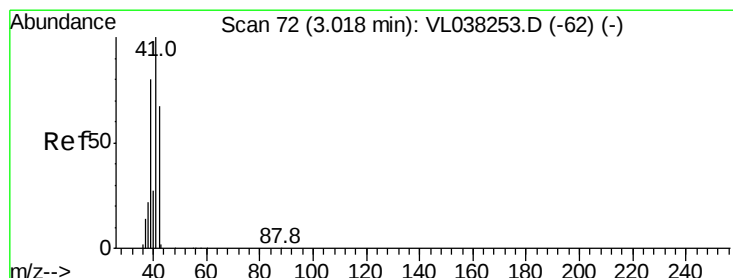
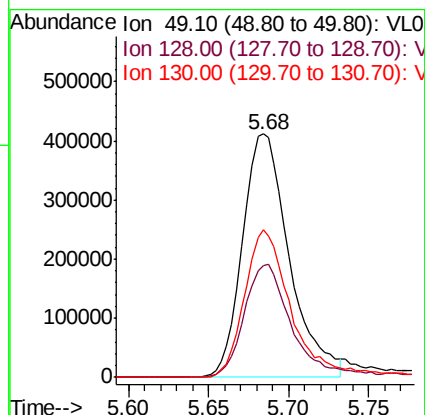
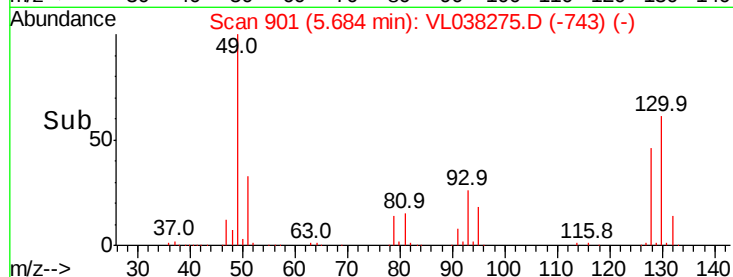
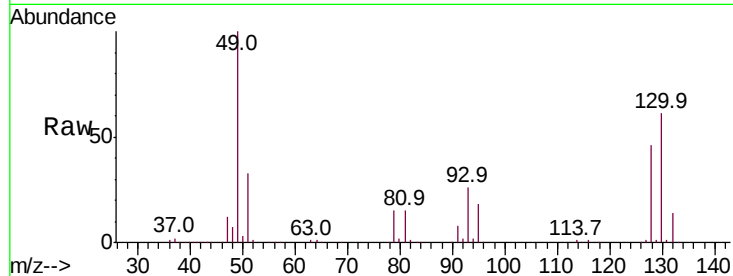
130 63.

Manual Integrations

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#9

Propene

Concen: 0.608 ppbv m

RT: 3.03 min Scan# 76

Delta R.T. 0.01 min

Lab File: VL038275.D

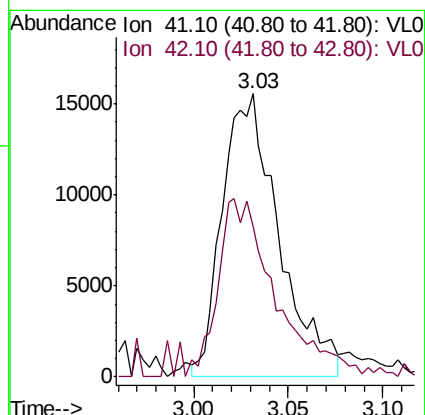
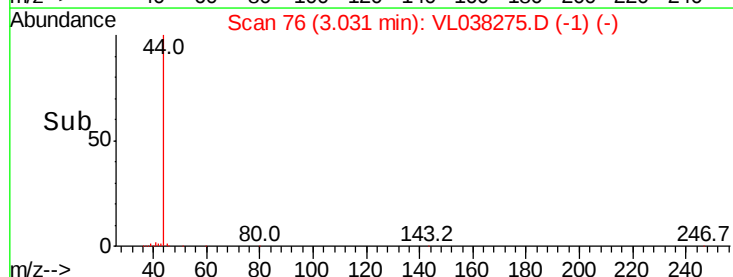
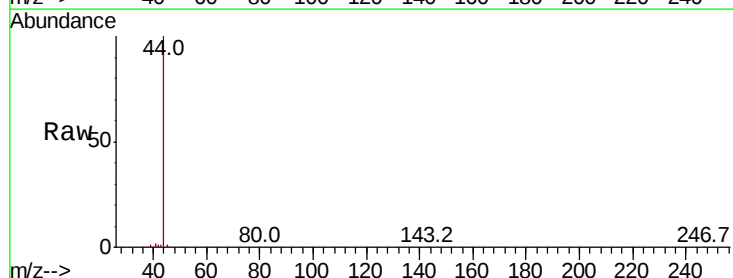
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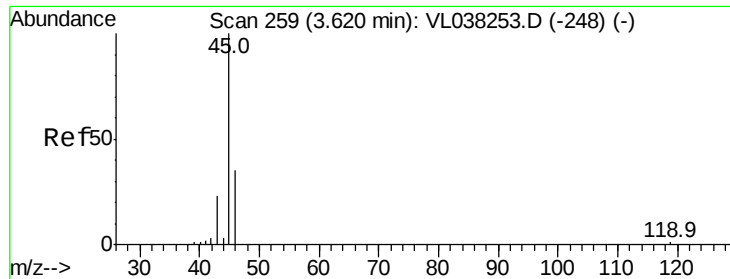
Tgt Ion: 41 Resp: 32464

Ion Ratio Lower Upper

41 100

42 9.4 54.9 82.3#





#13

Ethanol

Concen: 3.985 ppbv m

RT: 3.64

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Jan 2022 00:59

Tot Ion:

Ion Ratio

45 100

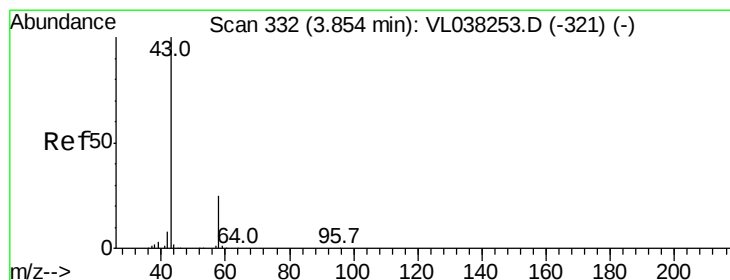
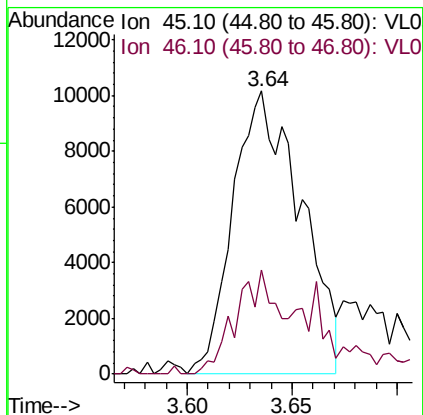
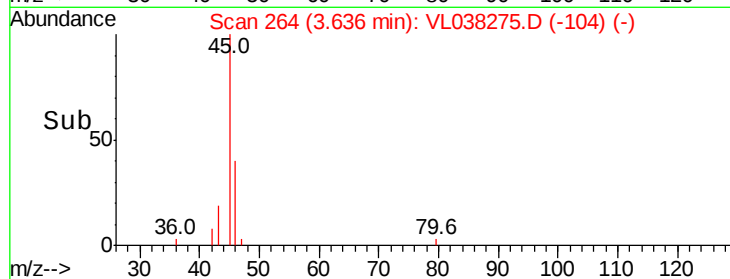
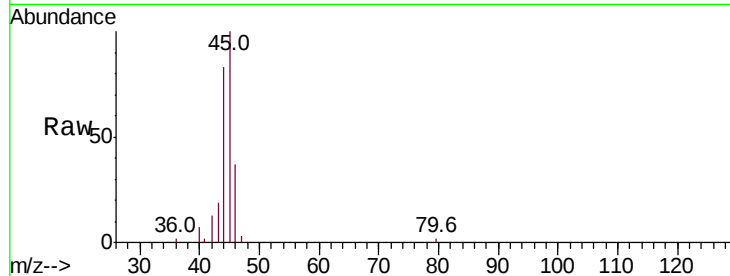
46 42.

Manual Integrations

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#15

Acetone

Concen: 6.261 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL038275.D

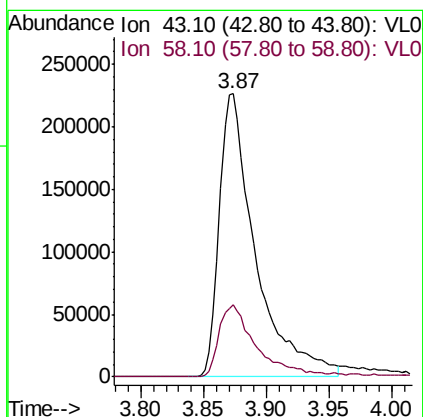
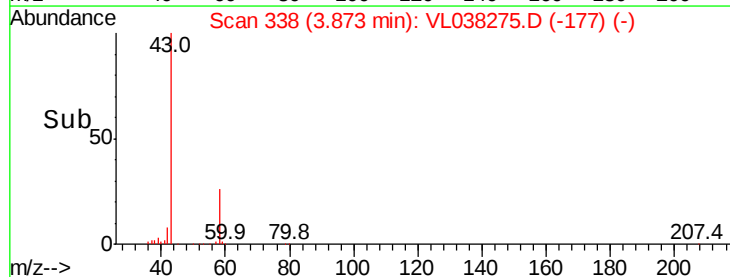
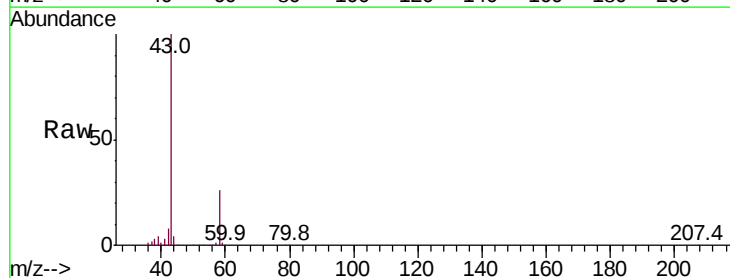
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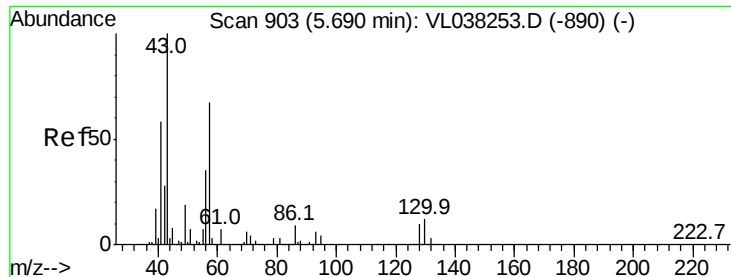
Tgt Ion: 43 Resp: 454629

Ion Ratio Lower Upper

43 100

58 28.1 21.5 32.3



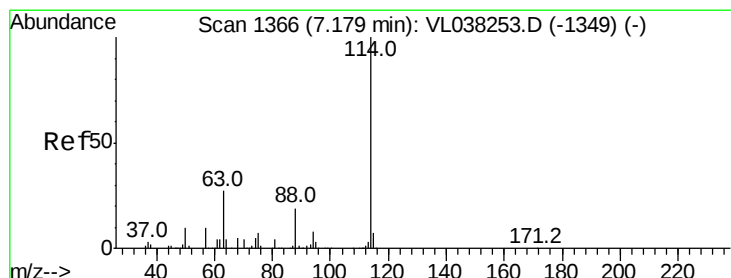
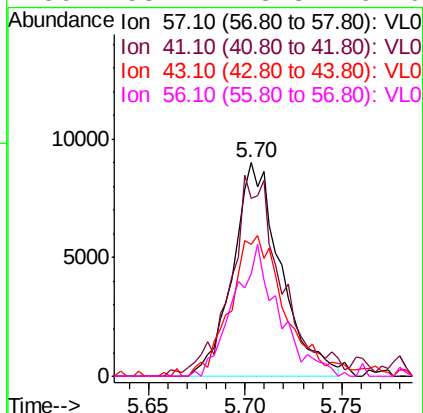
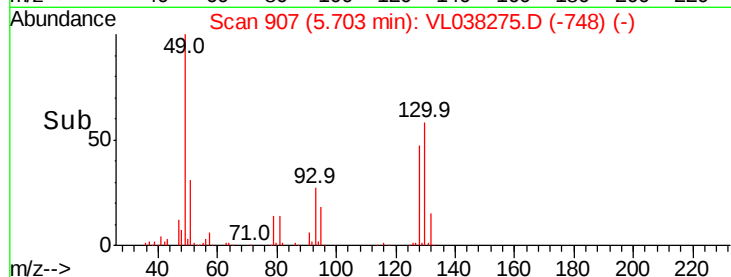
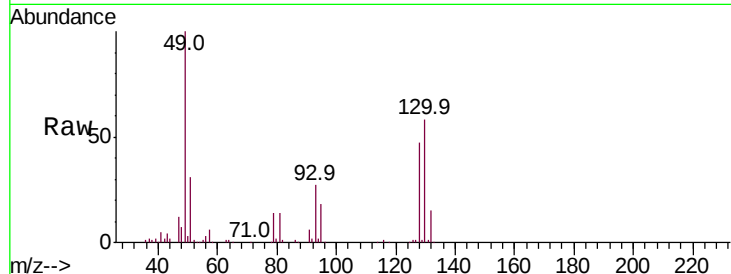


#26
Hexane
Concen: 0.164 ppbv
RT: 5.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Jan 2022 00:59

Tot Ion:
Ion Ratio
57 100
41 109.
43 78.
56 58.1 43.3 64.9

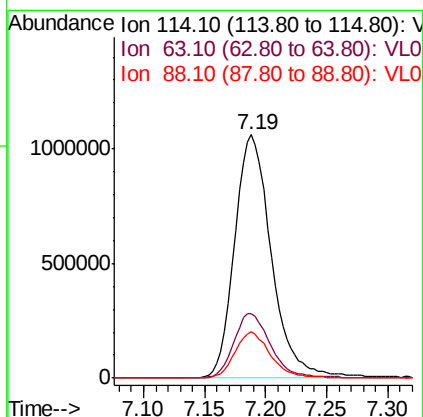
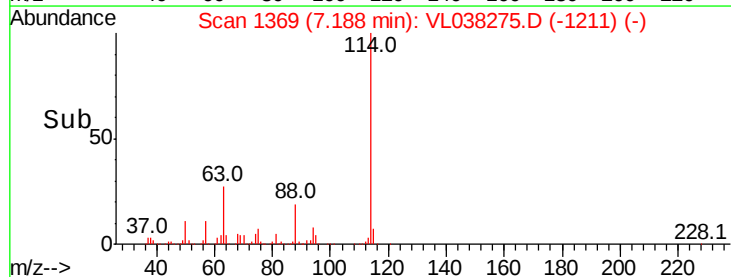
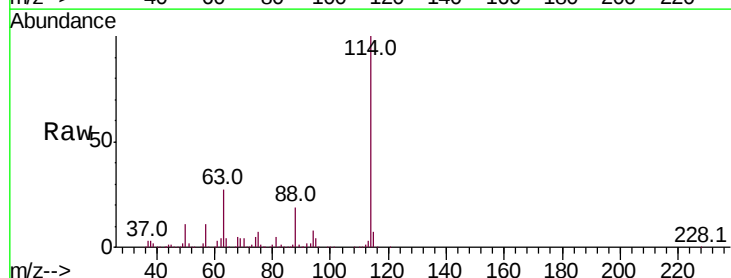
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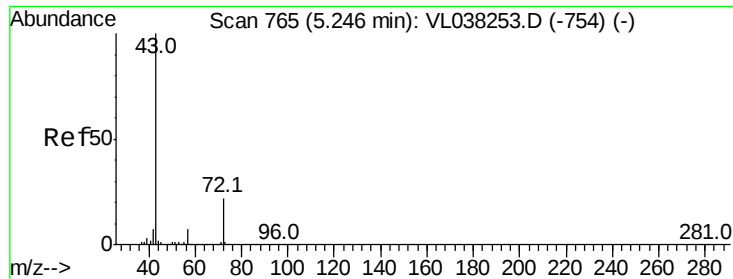
Reviewed By :Semsettin Yesilyurt 01/25/2022
Supervised By :Mahesh Dadoda 01/26/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VL038275.D
Acq: 25 Jan 2022 00:59

Tgt Ion:114 Resp: 2211466
Ion Ratio Lower Upper
114 100
63 27.3 22.0 33.0
88 18.8 15.0 22.6





#34

2-Butanone

Concen: 0.192 ppbv m

RT: 5.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Jan 2022 00:59 SG-2DL

Tot Ion:

Ion Ratio

43 100

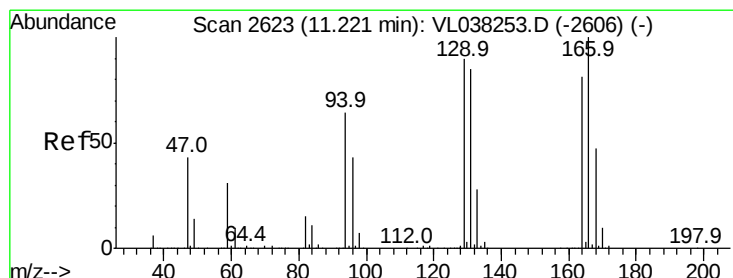
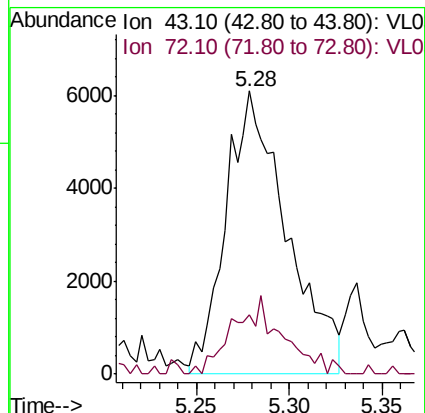
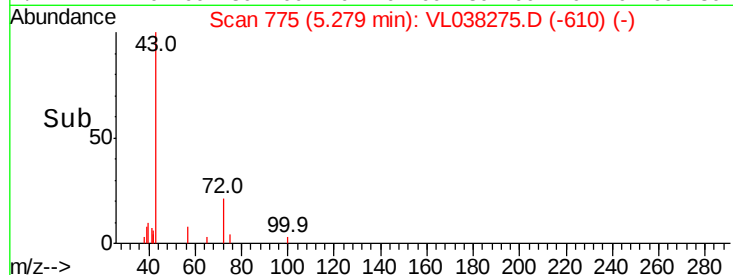
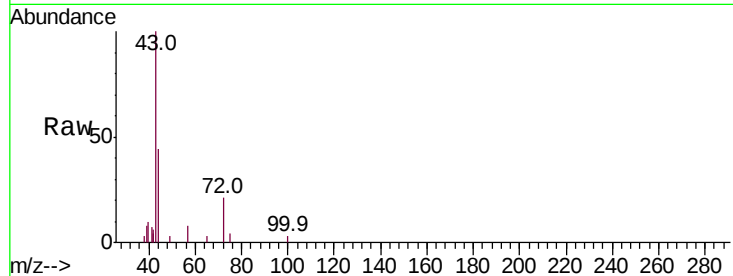
72 0.

Manual Integrations

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Supervised By :Mahesh Dadoda 01/26/2022



#52

Tetrachloroethene

Concen: 1.841 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. 0.01 min

Lab File: VL038275.D

Acq: 25 Jan 2022 00:59

Tgt Ion:164 Resp: 124107

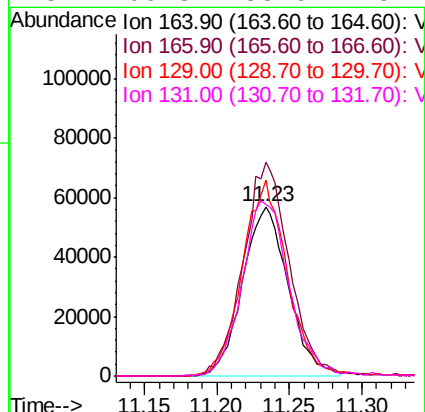
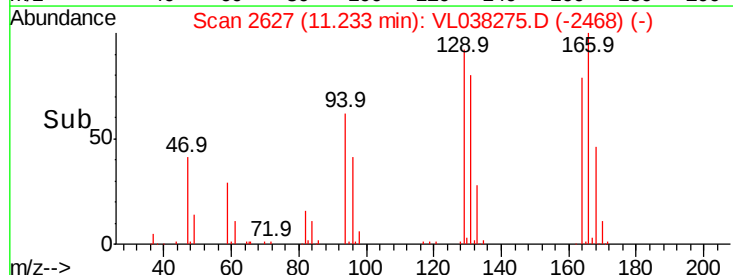
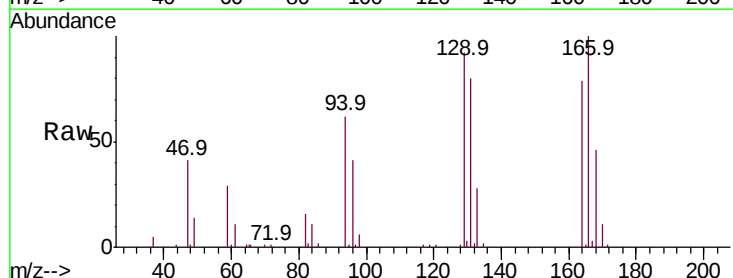
Ion Ratio Lower Upper

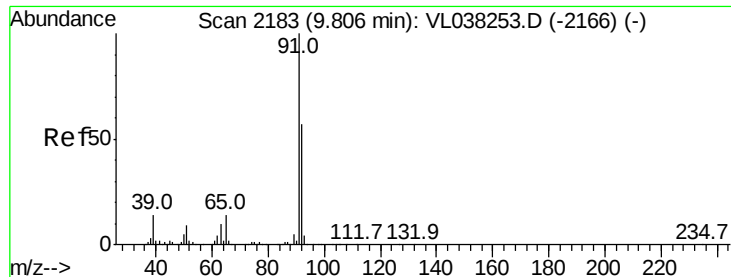
164 100

166 125.5 98.8 148.2

129 115.8 89.2 133.8

131 100.8 83.6 125.4





#53

Toluene

Concen: 0.976 ppbv

RT: 9.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Jan 2022 00:59

Tot Ion:

Ion Ratio

91 100

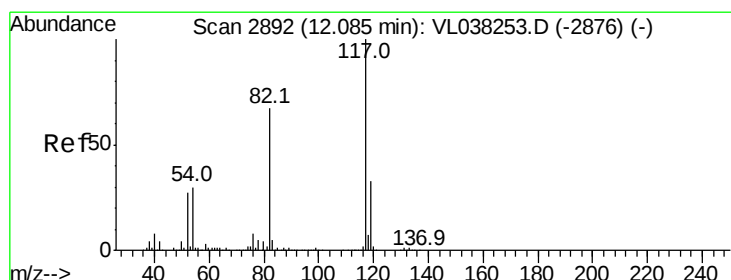
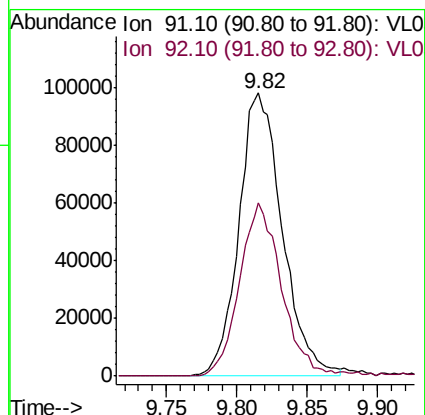
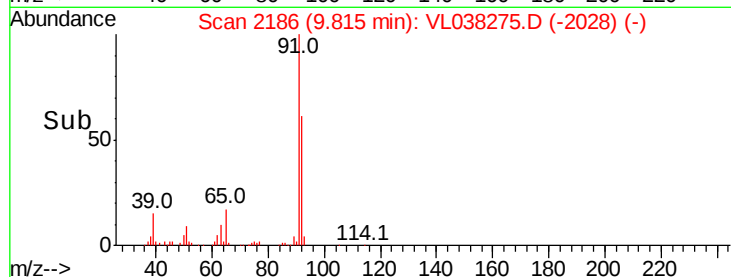
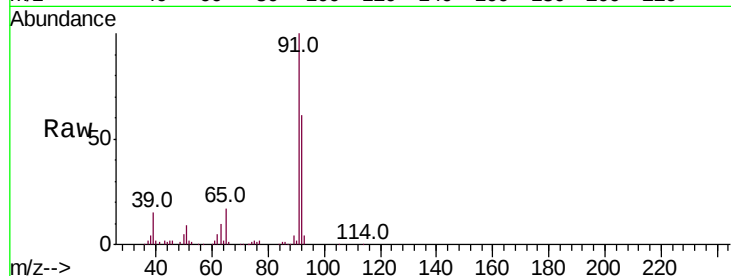
92 60.

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.01 min

Lab File: VL038275.D

Acq: 25 Jan 2022 00:59

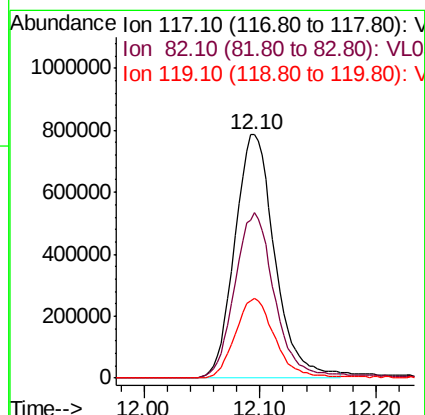
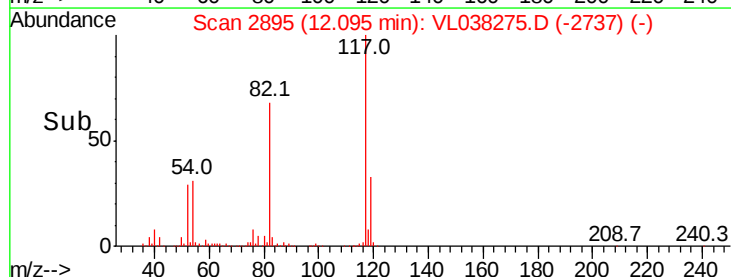
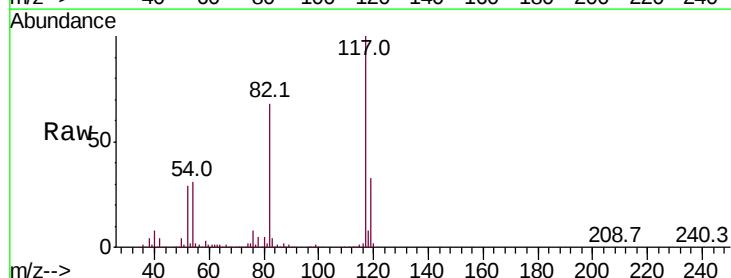
Tgt Ion:117 Resp: 1885667

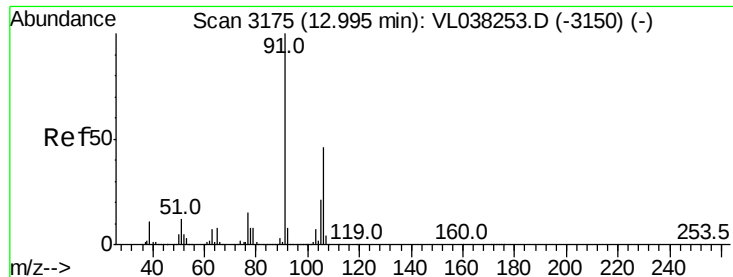
Ion Ratio Lower Upper

117 100

82 69.4 54.4 81.6

119 33.0 45.9 68.9#



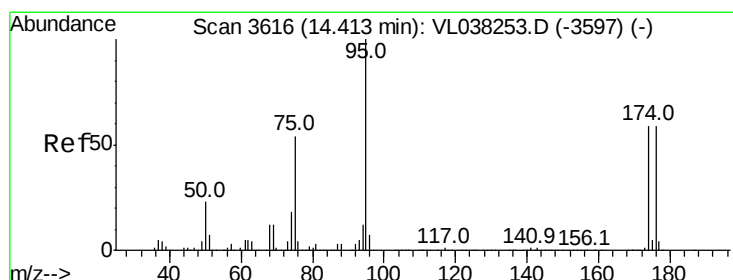
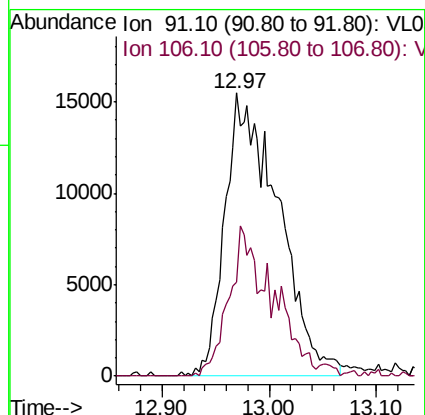
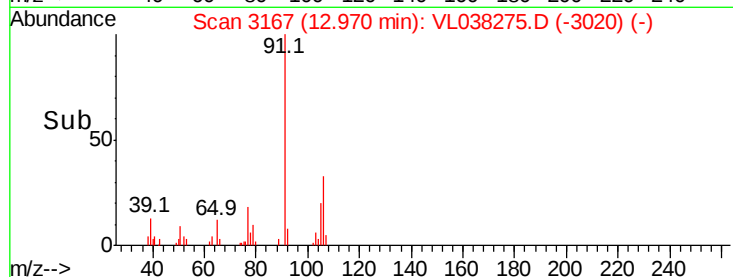
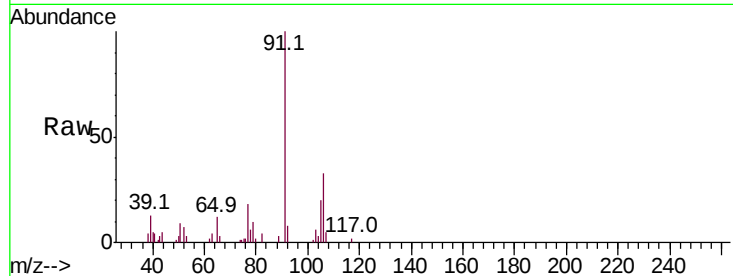


#59
m/p-Xylene
Concen: 0.225 ppbv m
RT: 12.97
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 25 Jan 2022 00:59

Tot Ion:
Ion Ratio
91 100
106 0.

Manual Integrations
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Supervised By :Mahesh Dadoda 01/26/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.835 ppbv
RT: 14.43 min Scan# 3620
Delta R.T. 0.01 min
Lab File: VL038275.D
Acq: 25 Jan 2022 00:59

Tgt Ion: 95 Resp: 1407592
Ion Ratio Lower Upper
95 100
174 61.1 48.3 72.5
175 4.6 3.5 5.3

