

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\
 Data File : VL038519.D
 Acq On : 3 Mar 2022 18:32
 Operator : SY/AP
 Sample : N1791-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-9CDL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/05/2022
 Supervised By :Mahesh Dadoda 03/07/2022

Quant Time: Mar 04 06:17:20 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	782001	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	1749881	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	1524882	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1281989	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	9818m	0.215	ppbv	
13) Ethanol	3.59	45	362108	79.582	ppbv	89
15) Acetone	3.85	43	71129m	1.070	ppbv	
19) Isopropyl Alcohol	3.96	45	34080m	0.885	ppbv	
20) Methylene Chloride	4.33	84	21286	0.646	ppbv	90
26) Hexane	5.67	57	19012m	0.235	ppbv	

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

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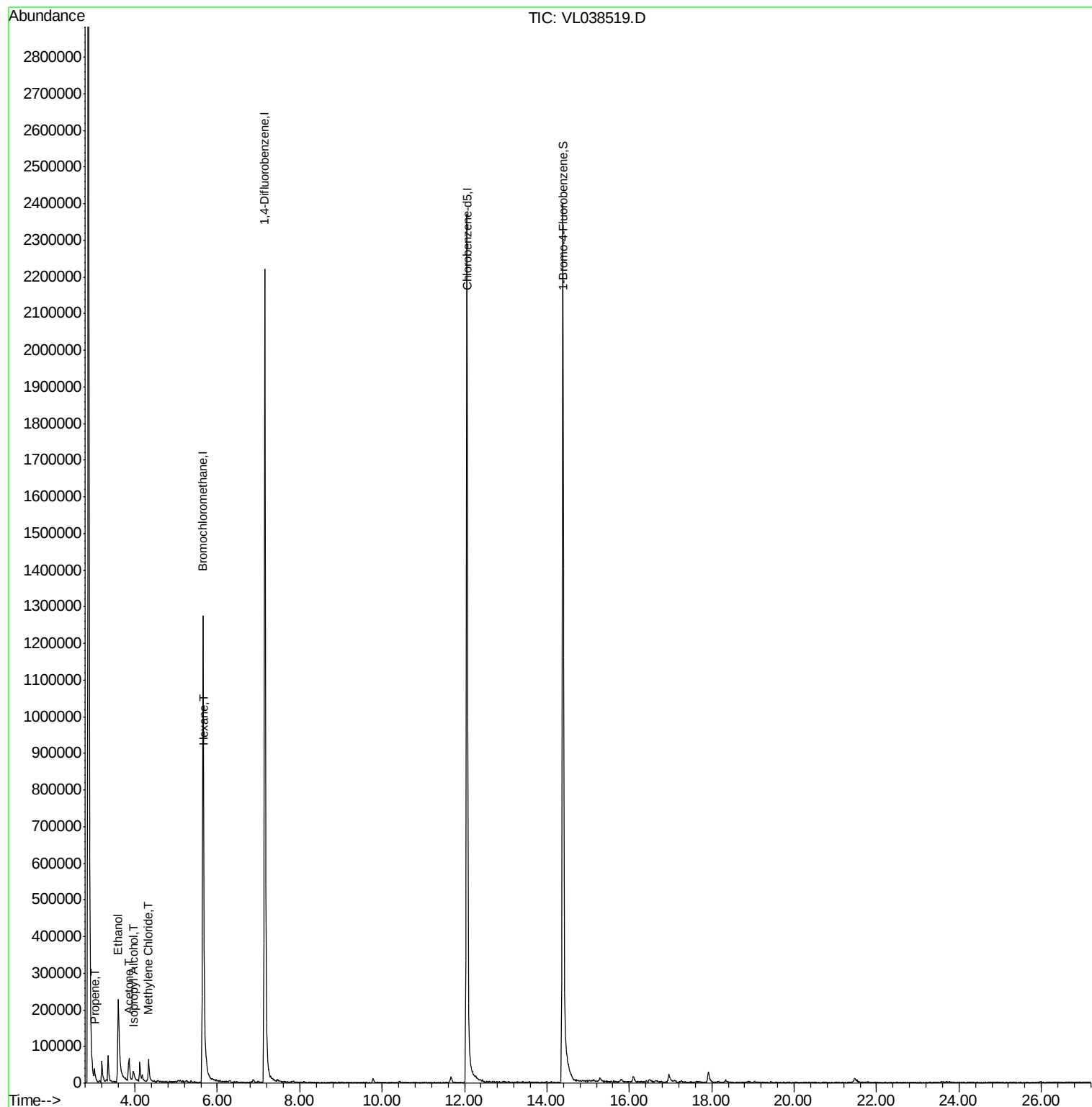
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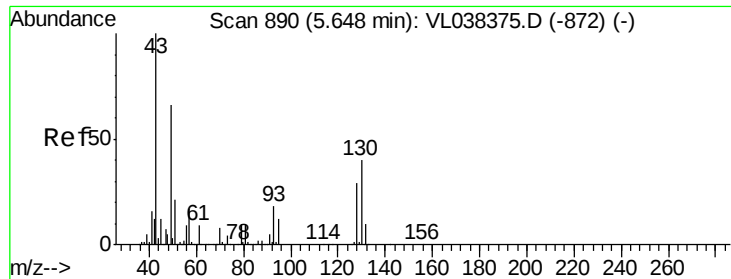
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Tue Feb 22 19:45:51 2022

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 18:32

Tot Ion:

Ion Ratio

49 100

128 44.

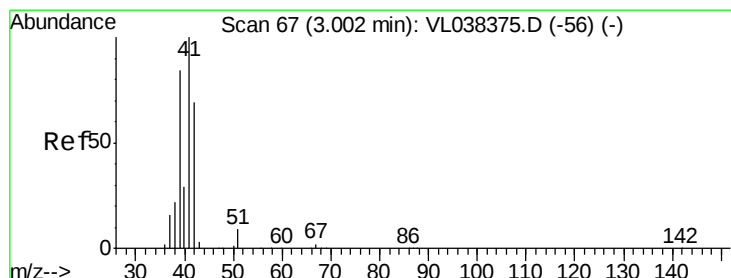
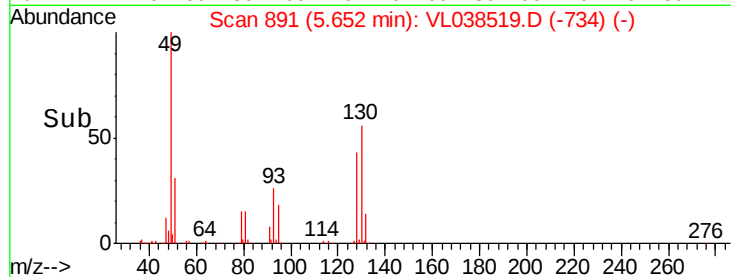
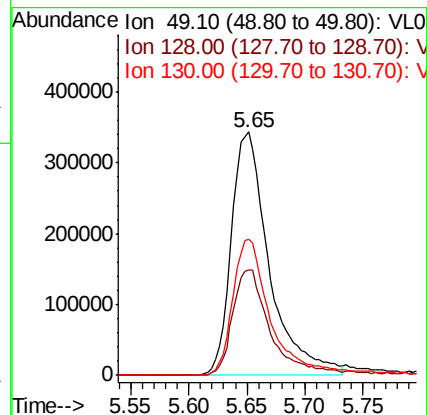
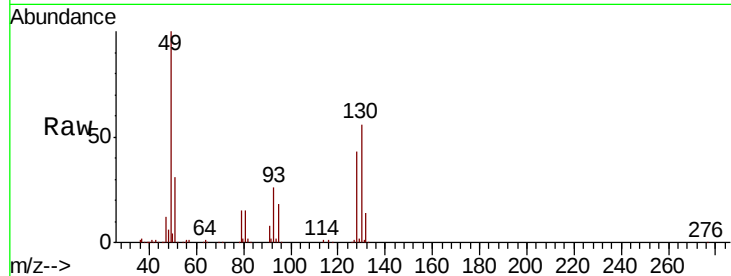
130 57.

Manual Integrations

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#9

Propene

Concen: 0.215 ppbv m

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL038519.D

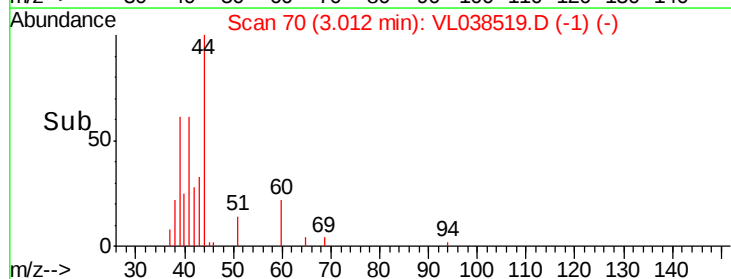
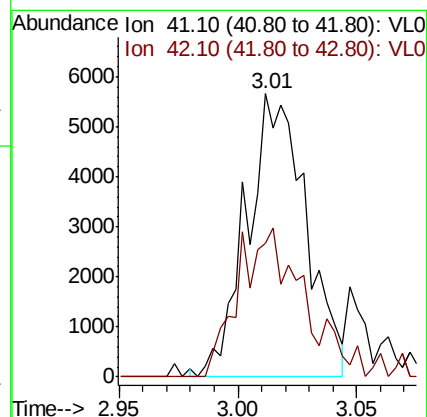
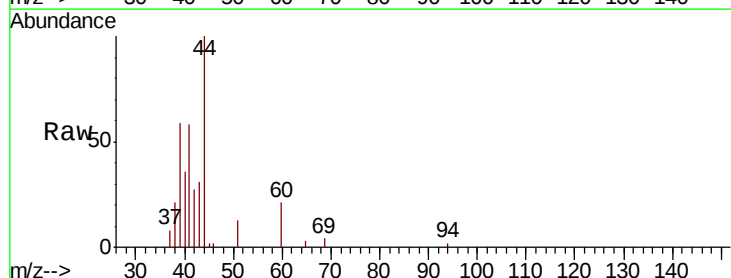
Acq: 3 Mar 2022 18:32

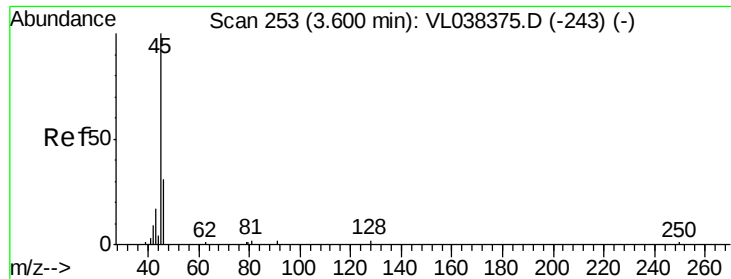
Tgt Ion: 41 Resp: 9818

Ion Ratio Lower Upper

41 100

42 0.0 54.6 82.0#



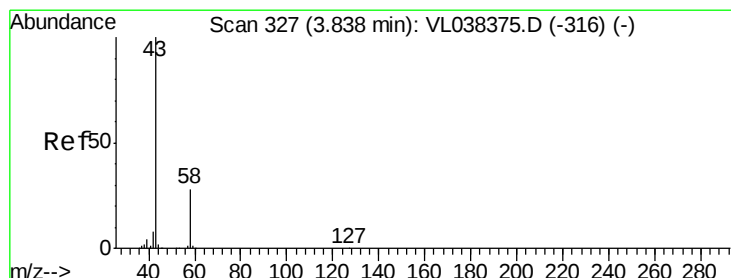
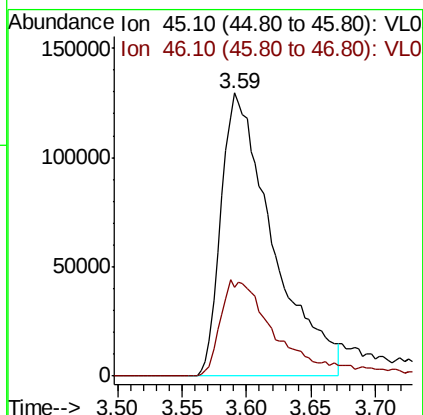
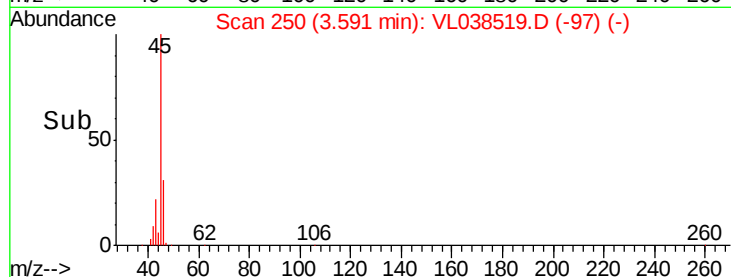
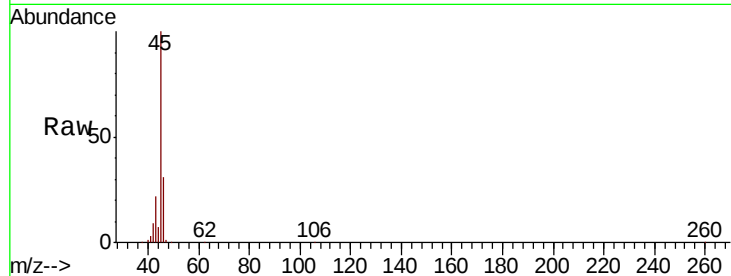


#13
Ethanol
Concen: 79.582 ppbv
RT: 3.59
Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Mar 2022 18:32

Tot Ion:
Ion Ratio
45 100
46 38.

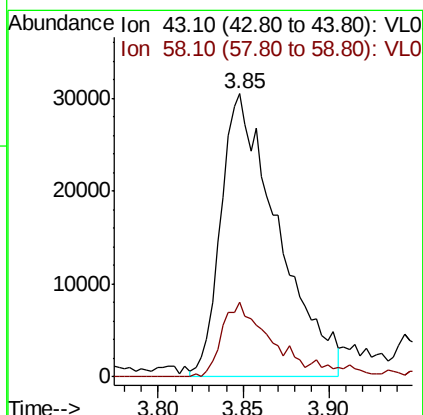
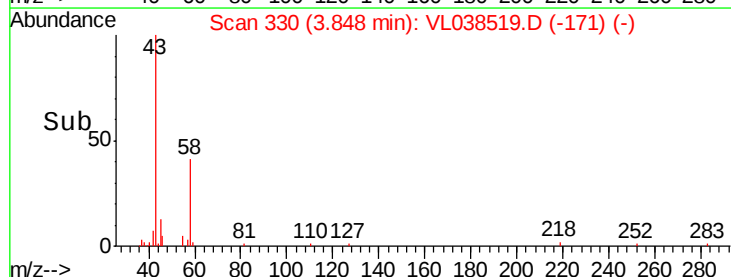
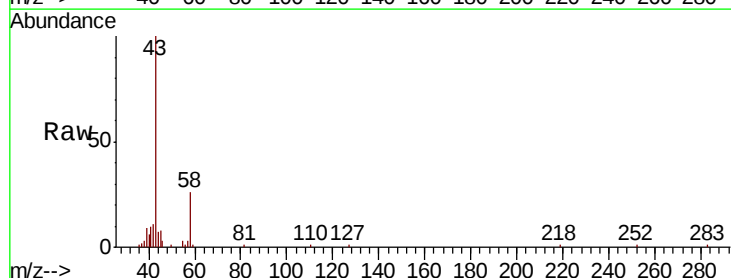
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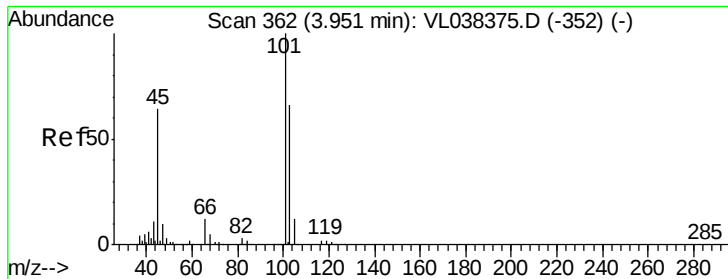
Reviewed By :Semsettin Yesilyurt 03/05/2022
Supervised By :Mahesh Dadoda 03/07/2022



#15
Acetone
Concen: 1.070 ppbv m
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL038519.D
Acq: 3 Mar 2022 18:32

Tgt Ion: 43 Resp: 71129
Ion Ratio Lower Upper
43 100
58 24.8 21.7 32.5





#19

Isopropyl Alcohol

Concen: 0.885 ppbv m

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 3 Mar 2022 18:32

Tot Ion:

Ion Ratio

45 100

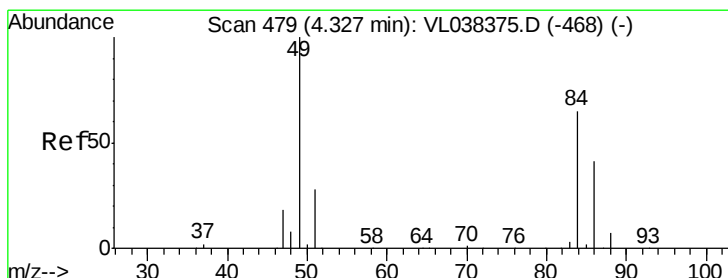
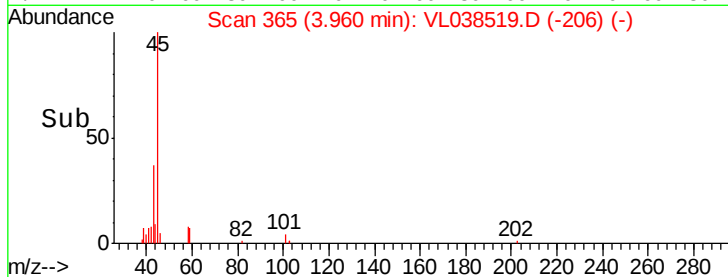
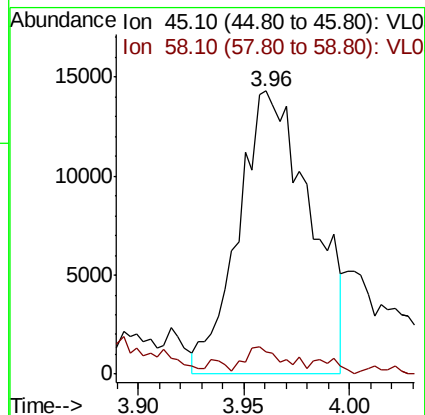
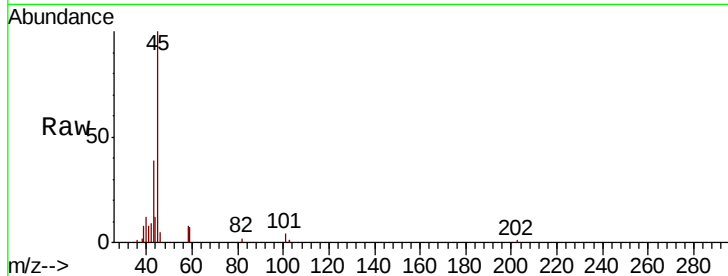
58 10.

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#20

Methylene Chloride

Concen: 0.646 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.01 min

Lab File: VL038519.D

Acq: 3 Mar 2022 18:32

Tgt Ion: 84 Resp: 21286

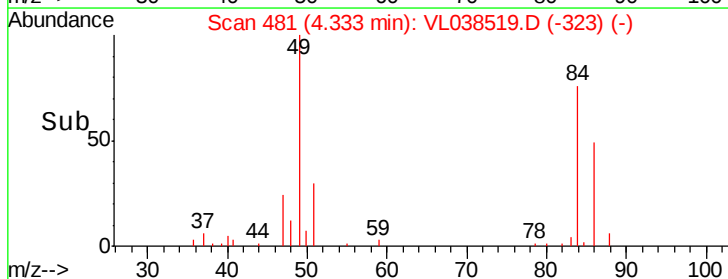
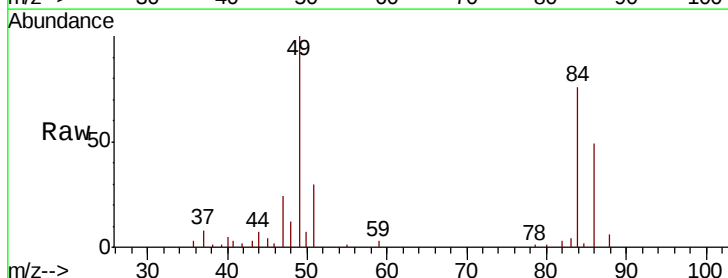
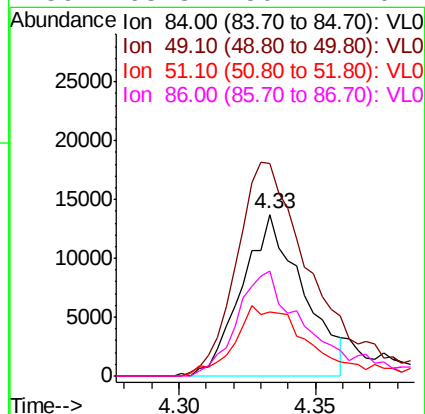
Ion Ratio Lower Upper

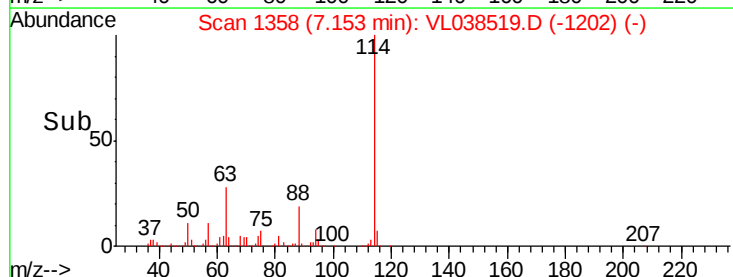
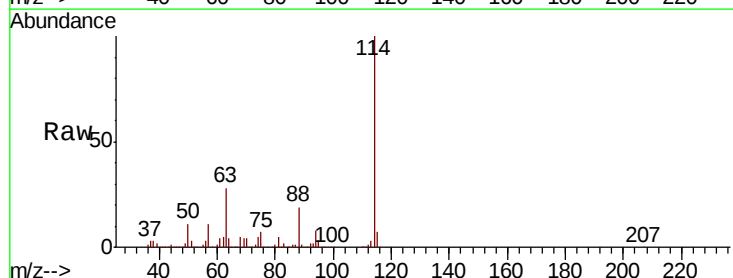
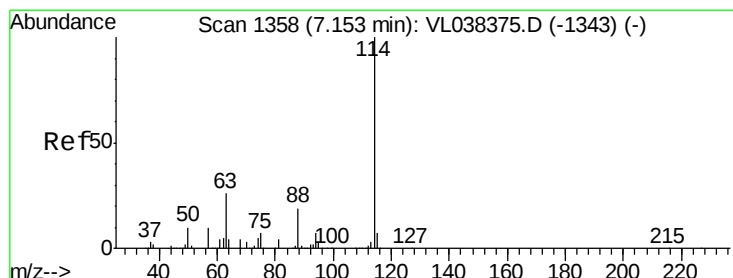
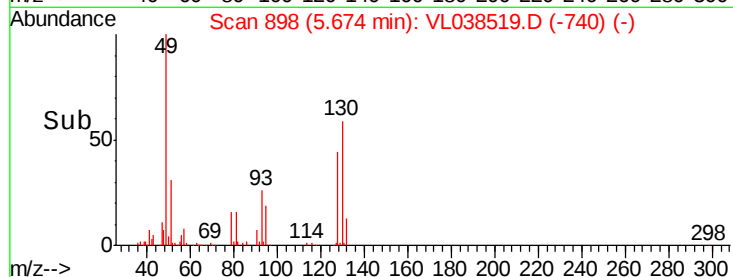
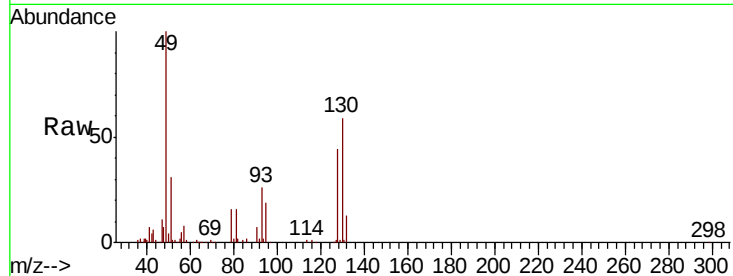
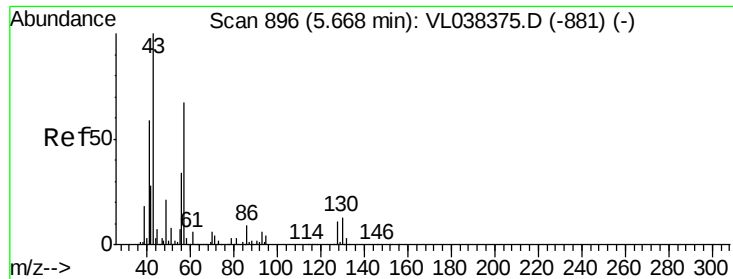
84 100

49 134.7 122.4 183.6

51 36.3 33.3 49.9

86 63.3 50.7 76.1





#26

Hexane

Concen: 0.235 ppbv m

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 18:32

Tot Ion:

Ion Ratio

57 100

41 103.

43 90.

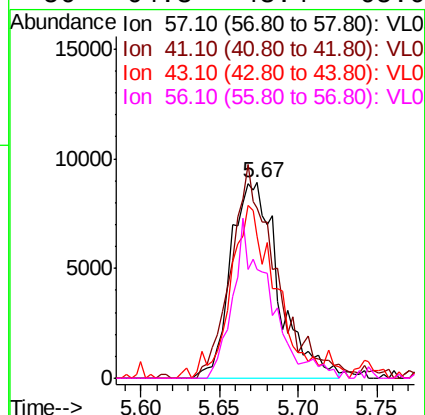
56 64.3 43.4 65.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VL038519.D

Acq: 3 Mar 2022 18:32

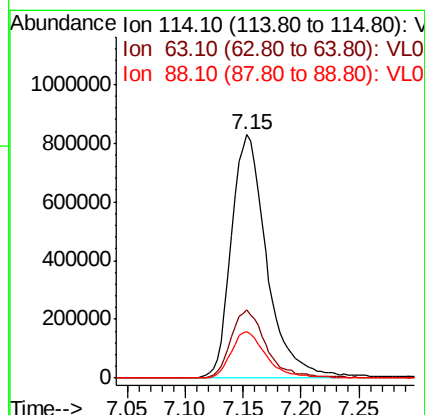
Tgt Ion:114 Resp: 1749881

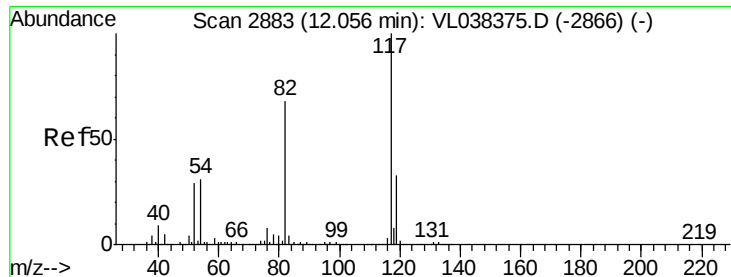
Ion Ratio Lower Upper

114 100

63 28.3 22.2 33.2

88 19.4 15.2 22.8



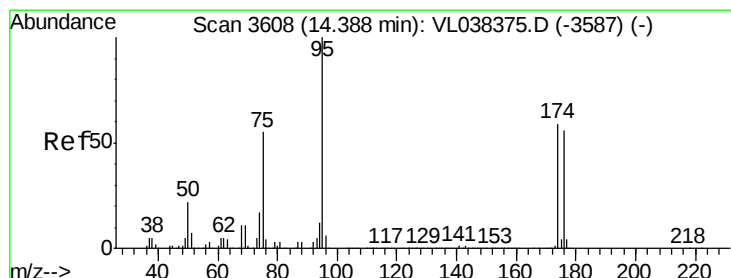
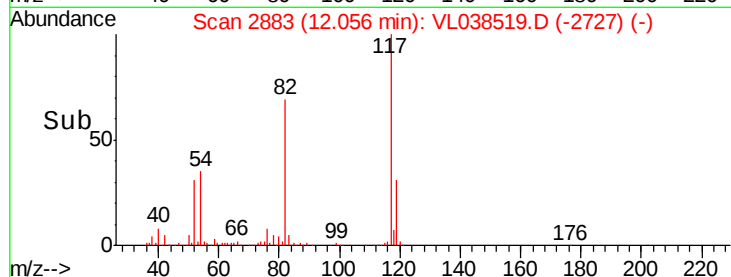
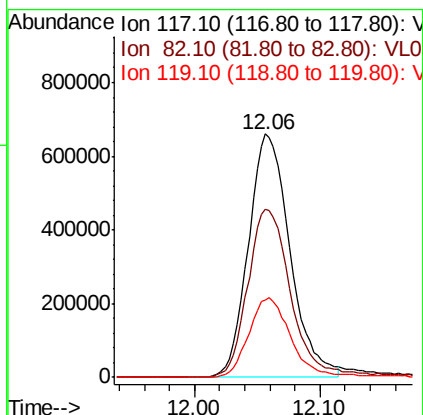
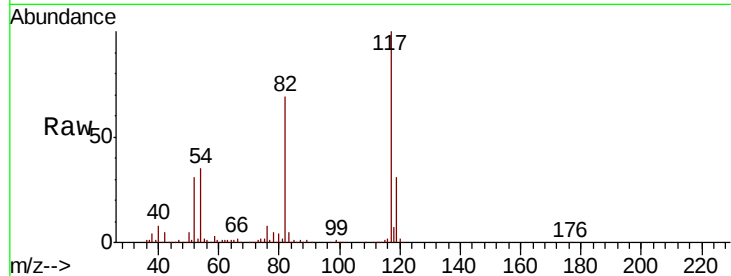


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Mar 2022 18:32

Tot Ion: 1
Ion Ratio
117 100
82 73.
119 33.

Manual Integrations
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Supervised By : Mahesh Dadoda 03/07/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.161 ppbv
RT: 14.39 min Scan# 3608
Delta R.T.: 0.00 min
Lab File: VL038519.D
Acq: 3 Mar 2022 18:32

Tgt Ion: 95 Resp: 1281989
Ion Ratio Lower Upper
95 100
174 59.5 49.0 73.4
175 4.3 3.6 5.4

