

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
 Data File : VL039008.D
 Acq On : 10 May 2022 4:59
 Operator : SY/AP
 Sample : N2696-04DL 5X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2022
 Supervised By :Mahesh Dadoda 05/11/2022

Quant Time: May 11 11:25:32 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1062020	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2971163	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	2573822	10.00	ppbv	-0.03

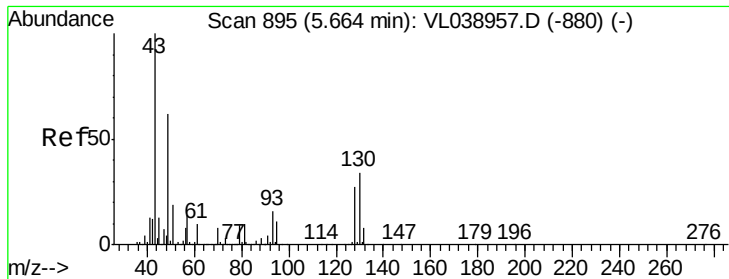
System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1825425	8.96	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	18474	0.111 ppbv	96
4) Chloromethane	3.13	50	20592	0.312 ppbv	97
9) Propene	3.00	41	796096	13.833 ppbv	93
13) Ethanol	3.60	45	31354	7.699 ppbv	99
15) Acetone	3.84	43	364262	3.636 ppbv	97
17) tert-Butyl alcohol	4.29	59	39329m	0.511 ppbv	
19) Isopropyl Alcohol	3.97	45	15929m	0.334 ppbv	
27) Carbon Disulfide	4.53	76	34072	0.337 ppbv #	75
32) 1,1,1-Trichloroethane	6.49	97	10116m	0.059 ppbv	
34) 2-Butanone	5.23	43	34225m	0.226 ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 4:59 SV4DL

Tot Ion:

Ion Ratio

49 100

128 52.

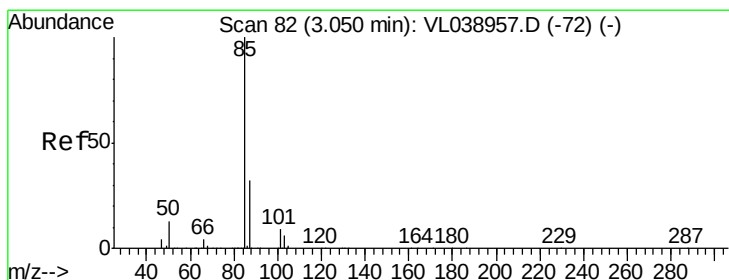
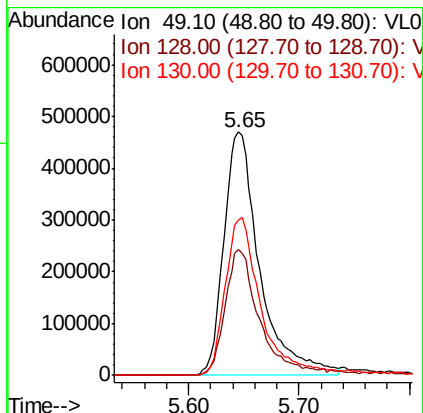
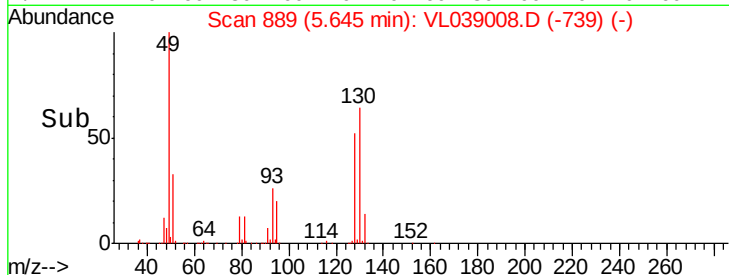
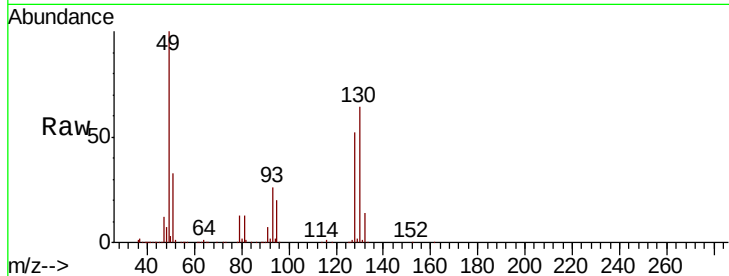
130 66.

Manual Integrations

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Supervised By :Mahesh Dadoda 05/11/2022



#2

Dichlorodifluoromethane

Concen: 0.111 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL039008.D

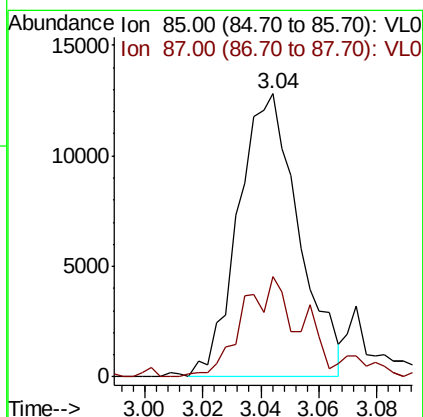
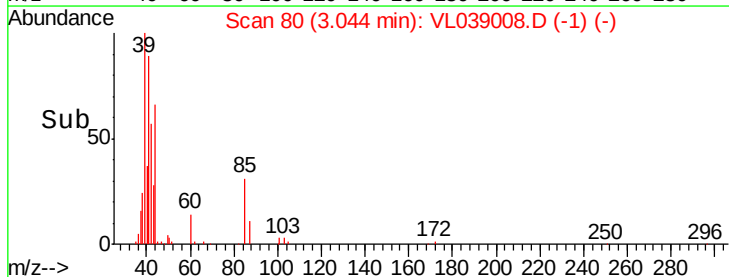
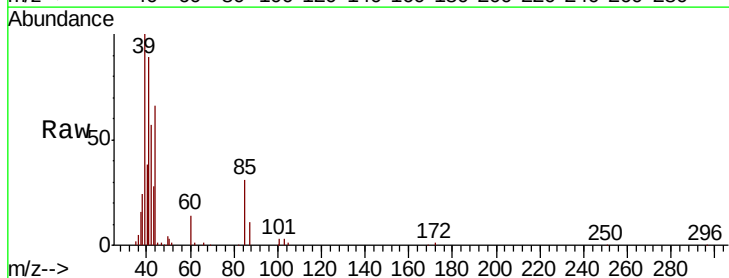
Acq: 10 May 2022 4:59

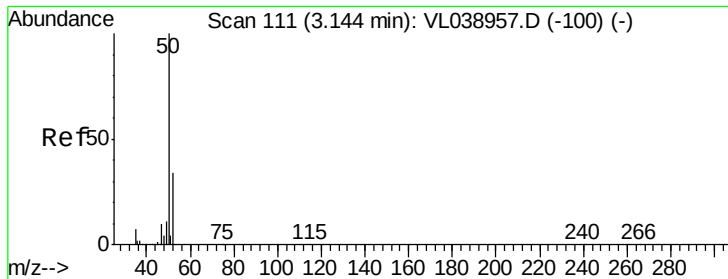
Tgt Ion: 85 Resp: 18474

Ion Ratio Lower Upper

85 100

87 34.2 25.7 38.5





#4

Chloromethane

Concen: 0.312 ppbv

RT: 3.13

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 May 2022 4:59

Tot Ion:

Ion Ratio

50 100

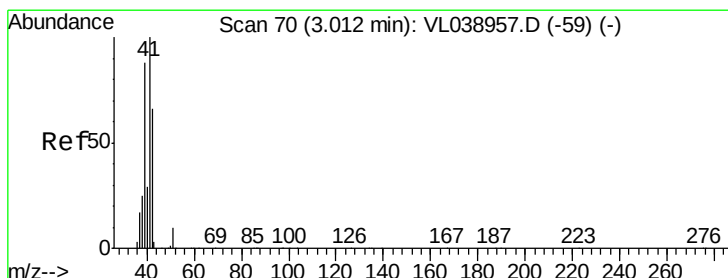
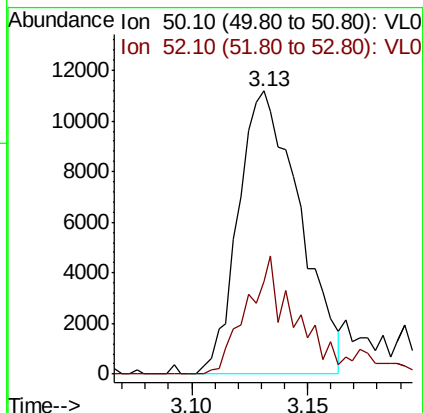
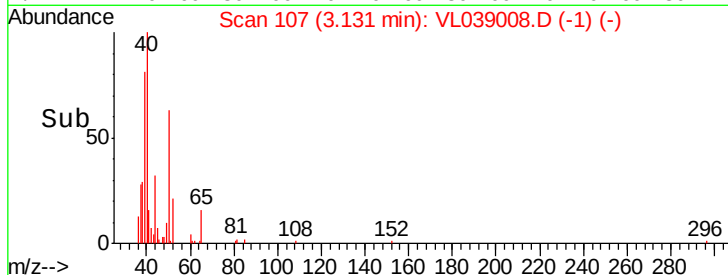
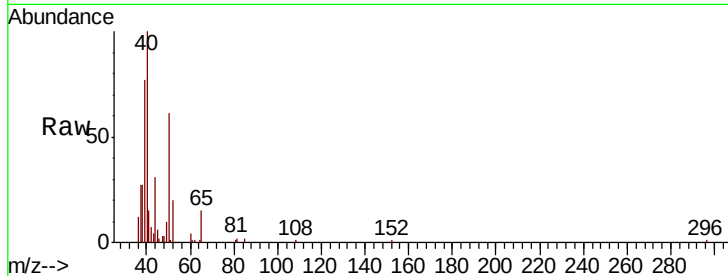
52 32.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/10/2022

Supervised By :Mahesh Dadoda 05/11/2022



#9

Propene

Concen: 13.833 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL039008.D

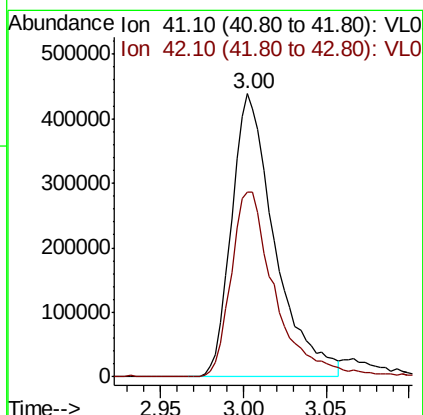
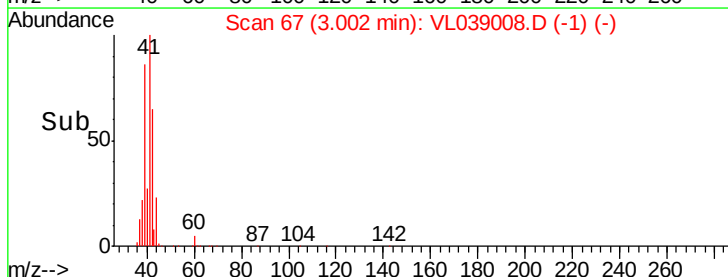
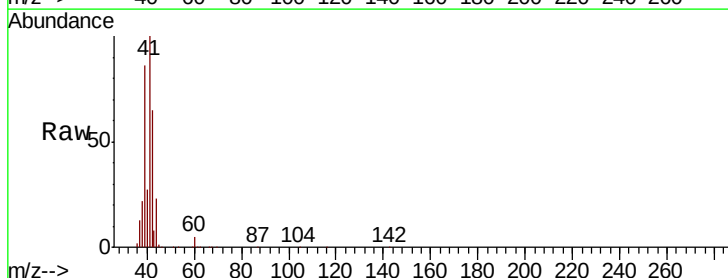
Acq: 10 May 2022 4:59

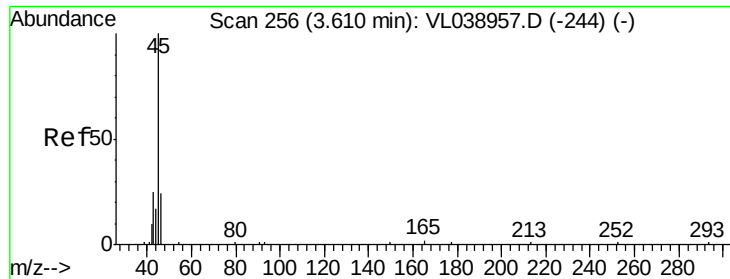
Tgt Ion: 41 Resp: 796096

Ion Ratio Lower Upper

41 100

42 67.2 58.3 87.5



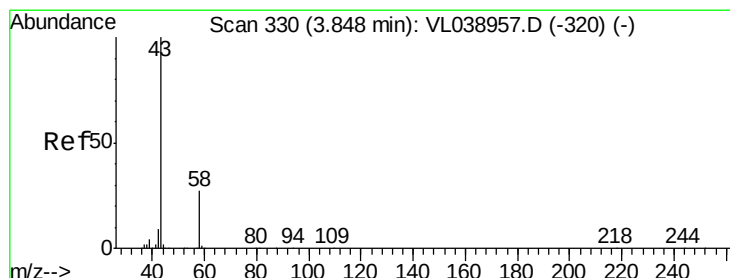
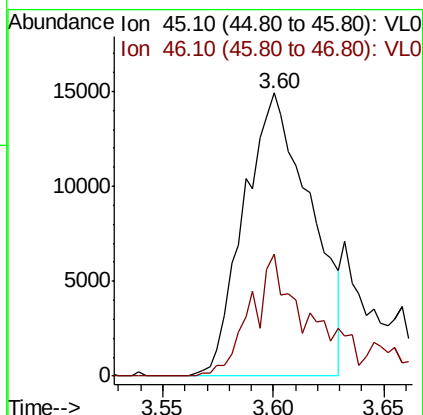
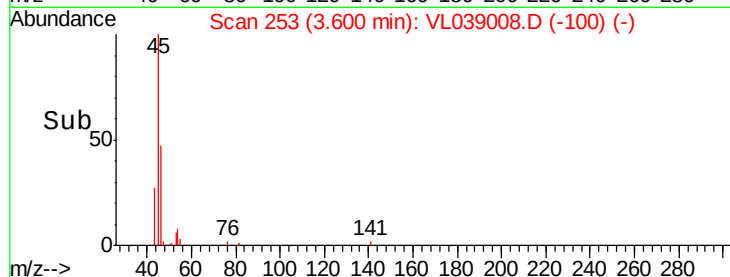
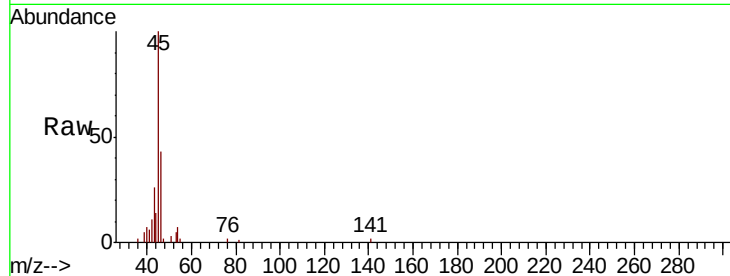


#13
Ethanol
Concen: 7.699 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV4DL
Acq: 10 May 2022 4:59

Tot Ion:
Ion Ratio
45 100
46 44.

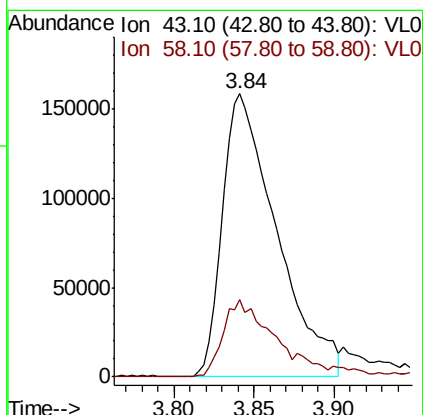
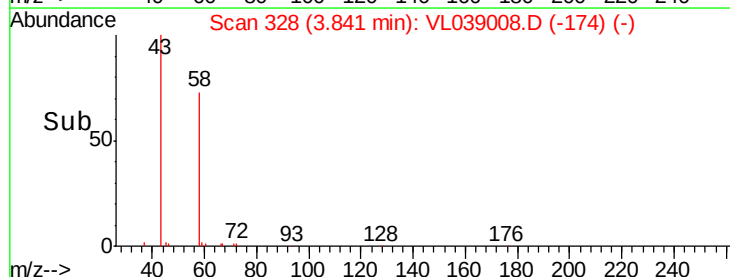
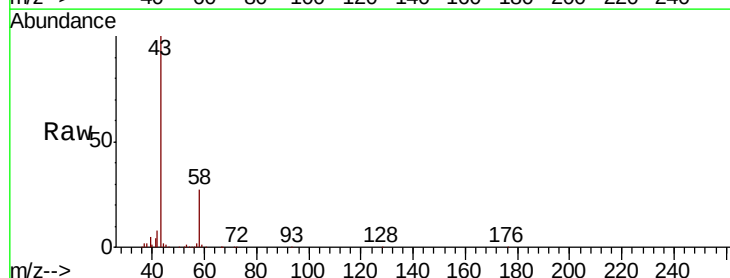
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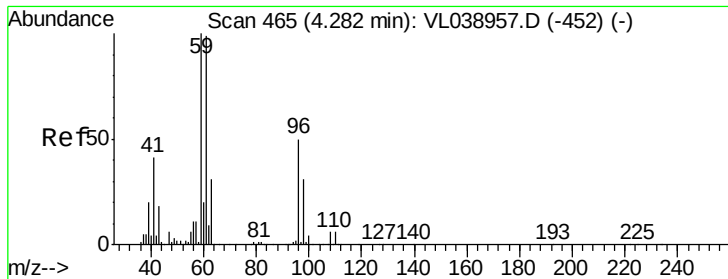
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#15
Acetone
Concen: 3.636 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL039008.D
Acq: 10 May 2022 4:59

Tgt Ion: 43 Resp: 364262
Ion Ratio Lower Upper
43 100
58 28.3 21.3 31.9



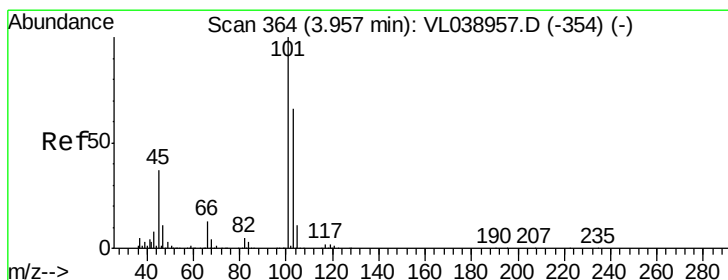
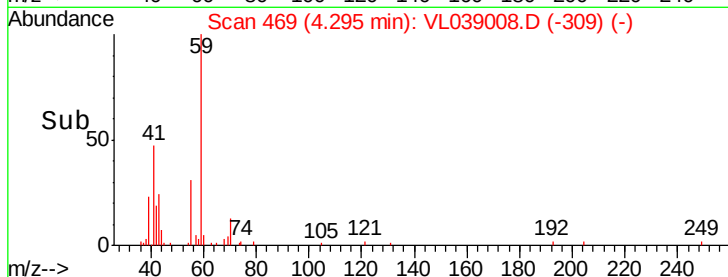
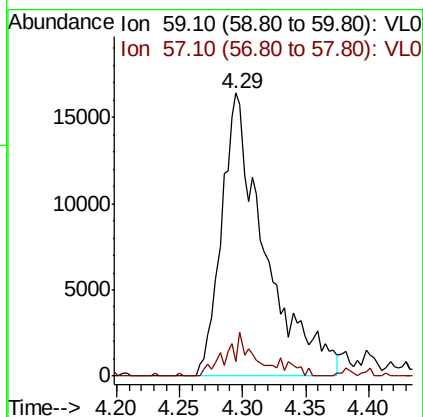
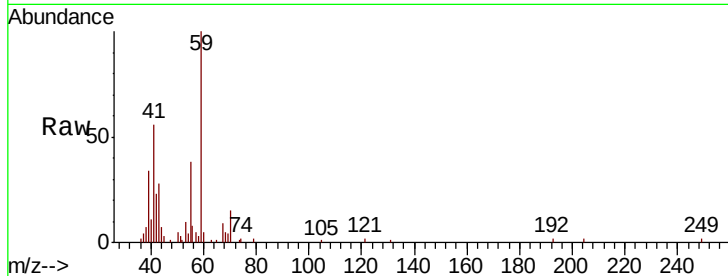


#17
tert-Butyl alcohol
Concen: 0.511 ppbv m
RT: 4.29
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SV4DL
Acq: 10 May 2022 4:59

Tot Ion:
Ion Ratio
59 100
57 9.

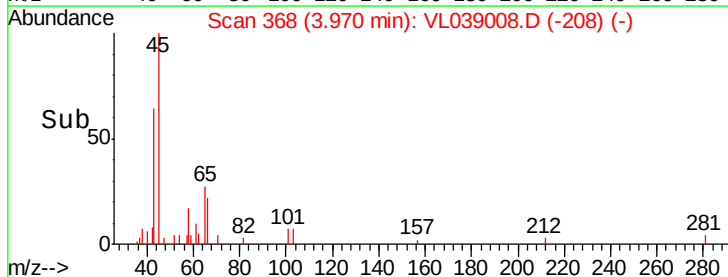
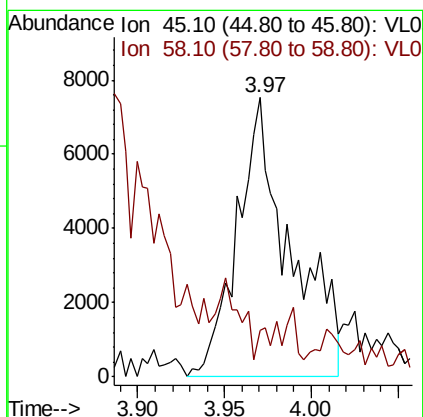
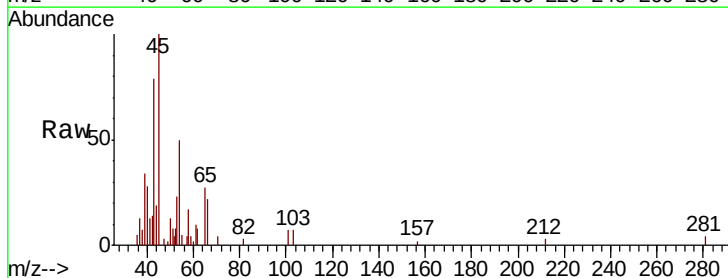
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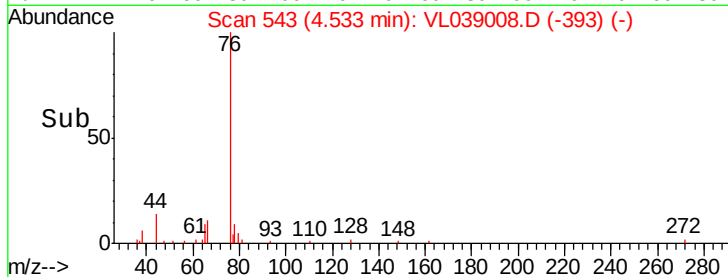
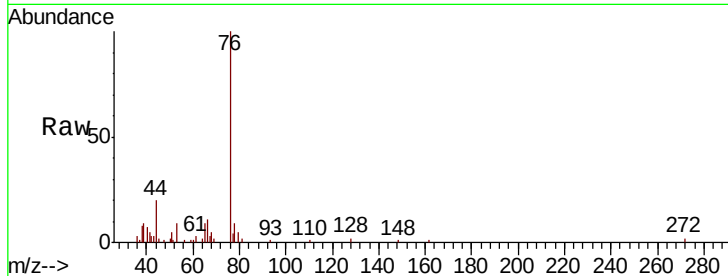
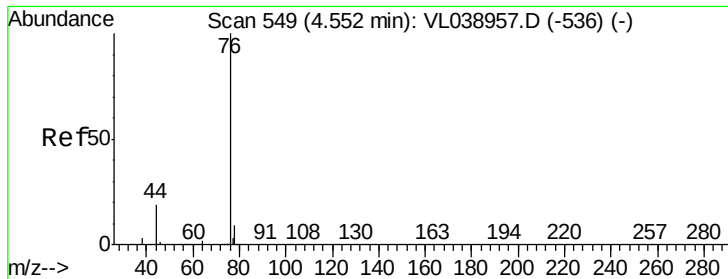
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#19
Isopropyl Alcohol
Concen: 0.334 ppbv m
RT: 3.97 min Scan# 368
Delta R.T. 0.01 min
Lab File: VL039008.D
Acq: 10 May 2022 4:59

Tgt Ion: 45 Resp: 15929
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2#





#27

Carbon Disulfide

Concen: 0.337 ppbv

RT: 4.53 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV4DL

Acq: 10 May 2022 4:59

Tot Ion:

Ion Ratio

76 100

44 36.

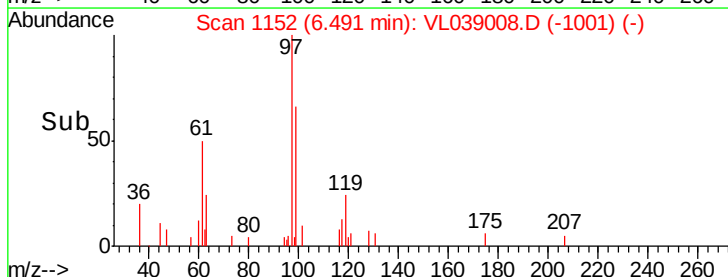
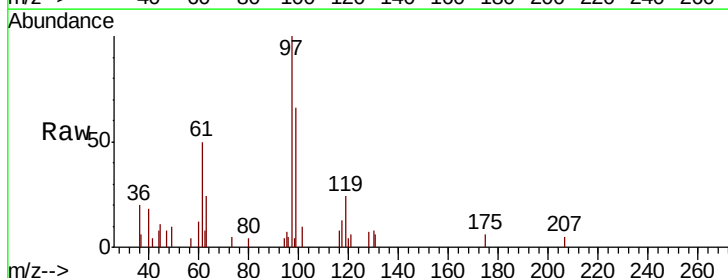
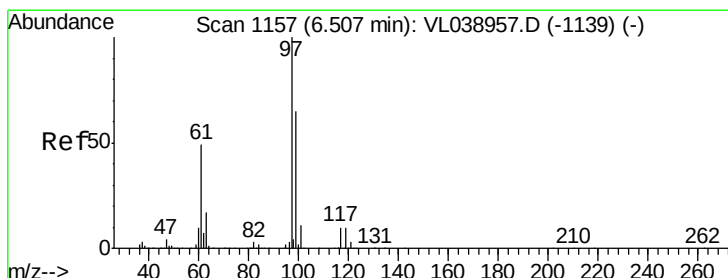
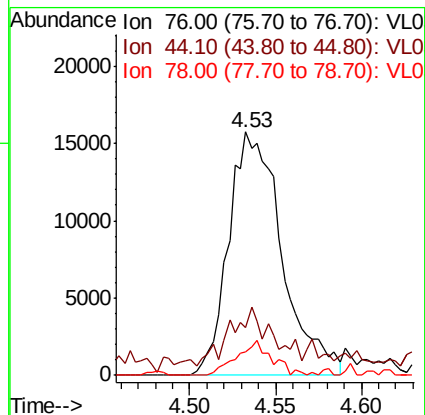
78 9.

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Supervised By :Mahesh Dadoda 05/11/2022



#32

1,1,1-Trichloroethane

Concen: 0.059 ppbv m

RT: 6.49 min Scan# 1152

Delta R.T. -0.02 min

Lab File: VL039008.D

Acq: 10 May 2022 4:59

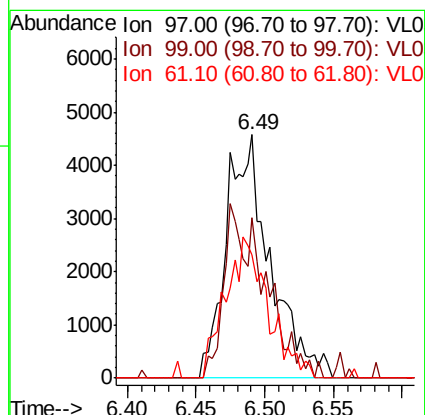
Tgt Ion: 97 Resp: 10116

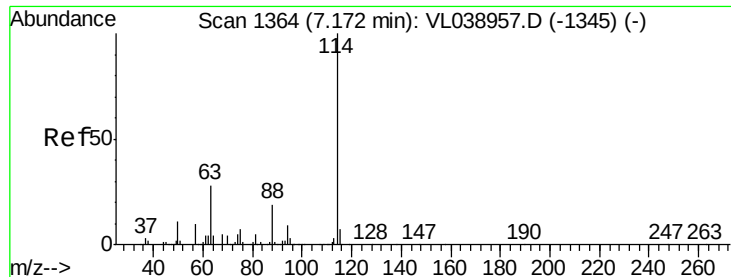
Ion Ratio Lower Upper

97 100

99 0.0 51.9 77.9#

61 56.4 40.9 61.3



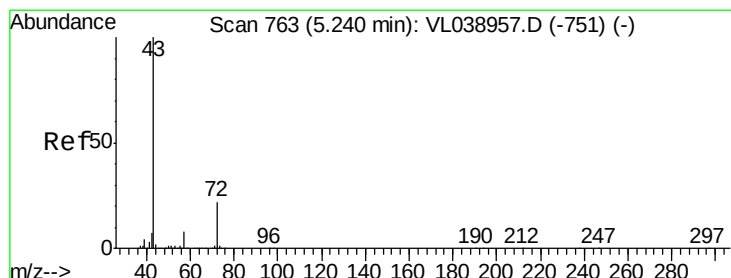
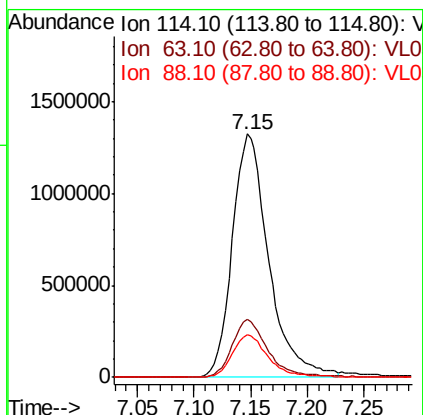
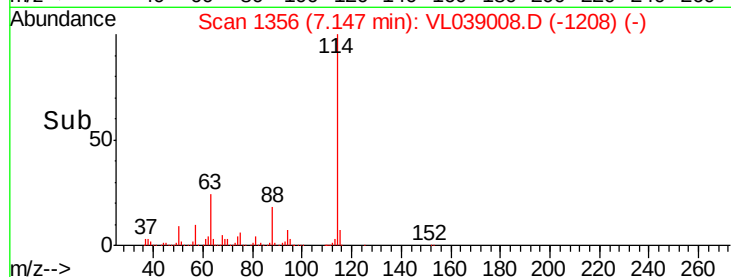
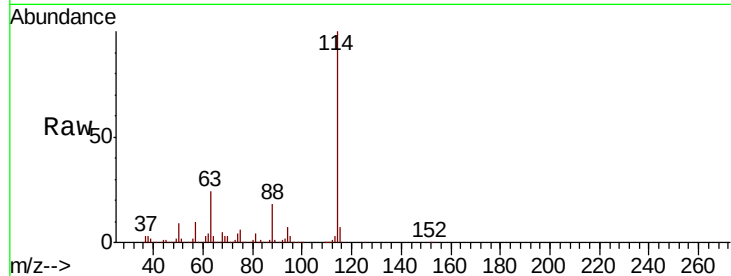


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV4DL
 Acq: 10 May 2022 4:59

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

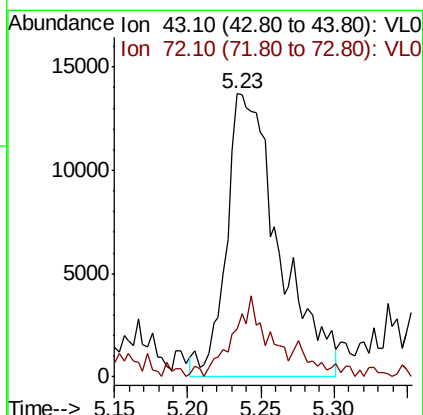
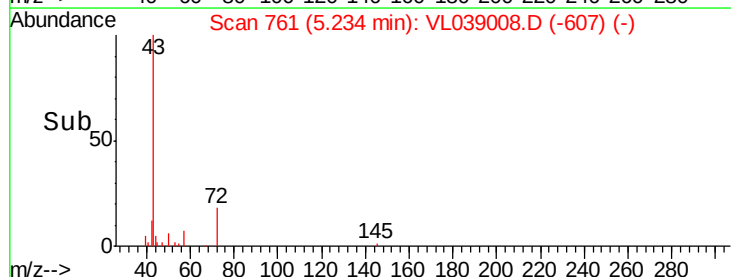
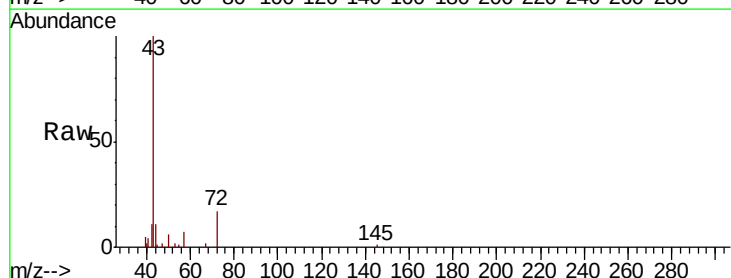
Manual Integrations
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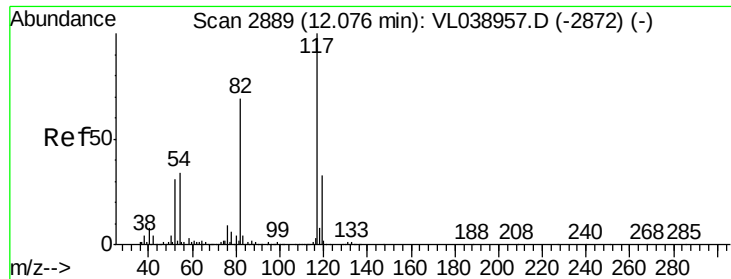
Reviewed By :Semsettin Yesilyurt 05/10/2022
 Supervised By :Mahesh Dadoda 05/11/2022



#34
 2-Butanone
 Concen: 0.226 ppbv m
 RT: 5.23 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VL039008.D
 Acq: 10 May 2022 4:59

Tgt Ion: 43 Resp: 34225
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.8 26.6#



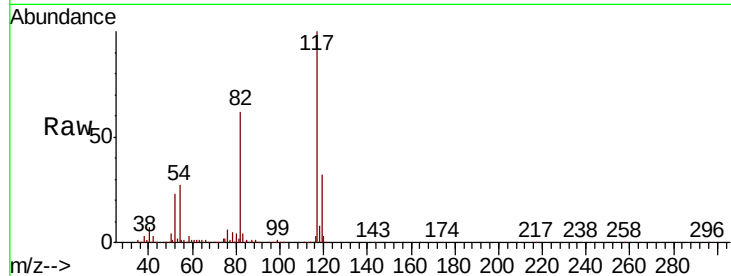


#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.05 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SV4DL
 Acq: 10 May 2022 4:59

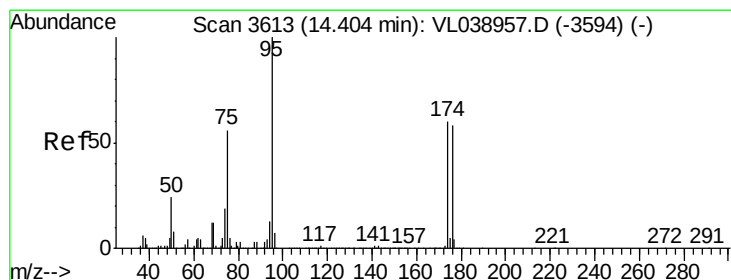
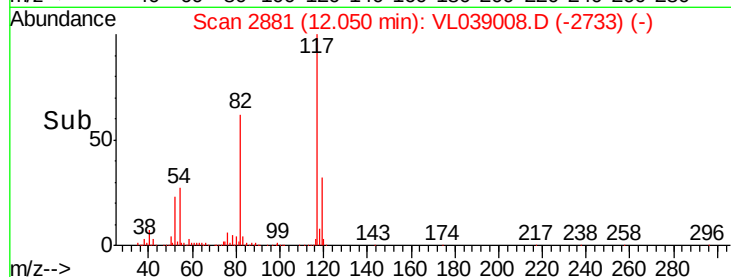
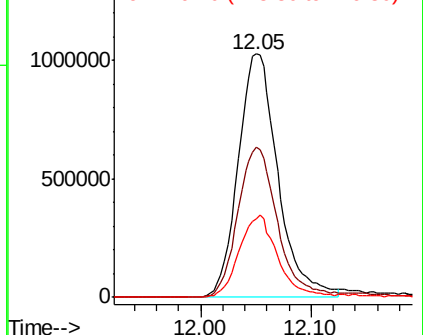
Tot Ion: 1
 Ion Ratio
 117 100
 82 63.
 119 34.

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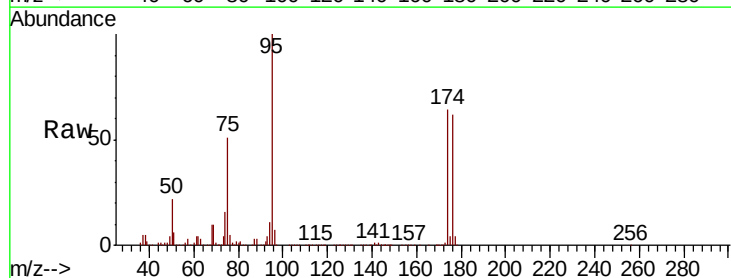


Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.955 ppbv
 RT: 14.38 min Scan# 3605
 Delta R.T. -0.03 min
 Lab File: VL039008.D
 Acq: 10 May 2022 4:59

Tgt Ion: 95 Resp: 1825425
 Ion Ratio Lower Upper
 95 100
 174 70.1 50.8 76.2
 175 4.8 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

