

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039213.D
 Acq On : 7 Jun 2022 17:33
 Operator : SY/AP
 Sample : N3199-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022

Quant Time: Jun 08 05:50:40 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	854206	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1992726	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1663269	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1378126	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	48331	0.322	ppbv	95
3) Chlorodifluoromethane	3.00	51	62806m	0.578	ppbv	
4) Chloromethane	3.14	50	35345m	0.633	ppbv	
9) Propene	3.02	41	50840	1.073	ppbv	85
10) Heptane	8.13	43	16833m	0.152	ppbv	
11) Trichlorofluoromethane	3.95	101	39852m	0.293	ppbv	
13) Ethanol	3.60	45	338443	130.949	ppbv #	100
15) Acetone	3.85	43	318349m	3.578	ppbv	
19) Isopropyl Alcohol	3.97	45	139399	3.340	ppbv #	93
20) Methylene Chloride	4.35	84	709740	18.927	ppbv	94
26) Hexane	5.69	57	632375	7.175	ppbv #	38
30) Cyclohexane	7.14	84	15104m	0.204	ppbv	
34) 2-Butanone	5.25	43	32127m	0.297	ppbv	
35) Carbon Tetrachloride	7.03	117	11399m	0.078	ppbv	
36) Benzene	6.90	78	61714m	0.381	ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	92412	0.327	ppbv #	80
52) Tetrachloroethene	11.22	164	3440m	0.054	ppbv	
53) Toluene	9.81	91	140588m	0.755	ppbv	
58) Ethyl Benzene	12.72	91	30111m	0.131	ppbv	
59) m/p-Xylene	12.97	91	82803m	0.410	ppbv	
60) o-Xylene	13.69	91	33086m	0.175	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	33424m	0.149	ppbv	

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

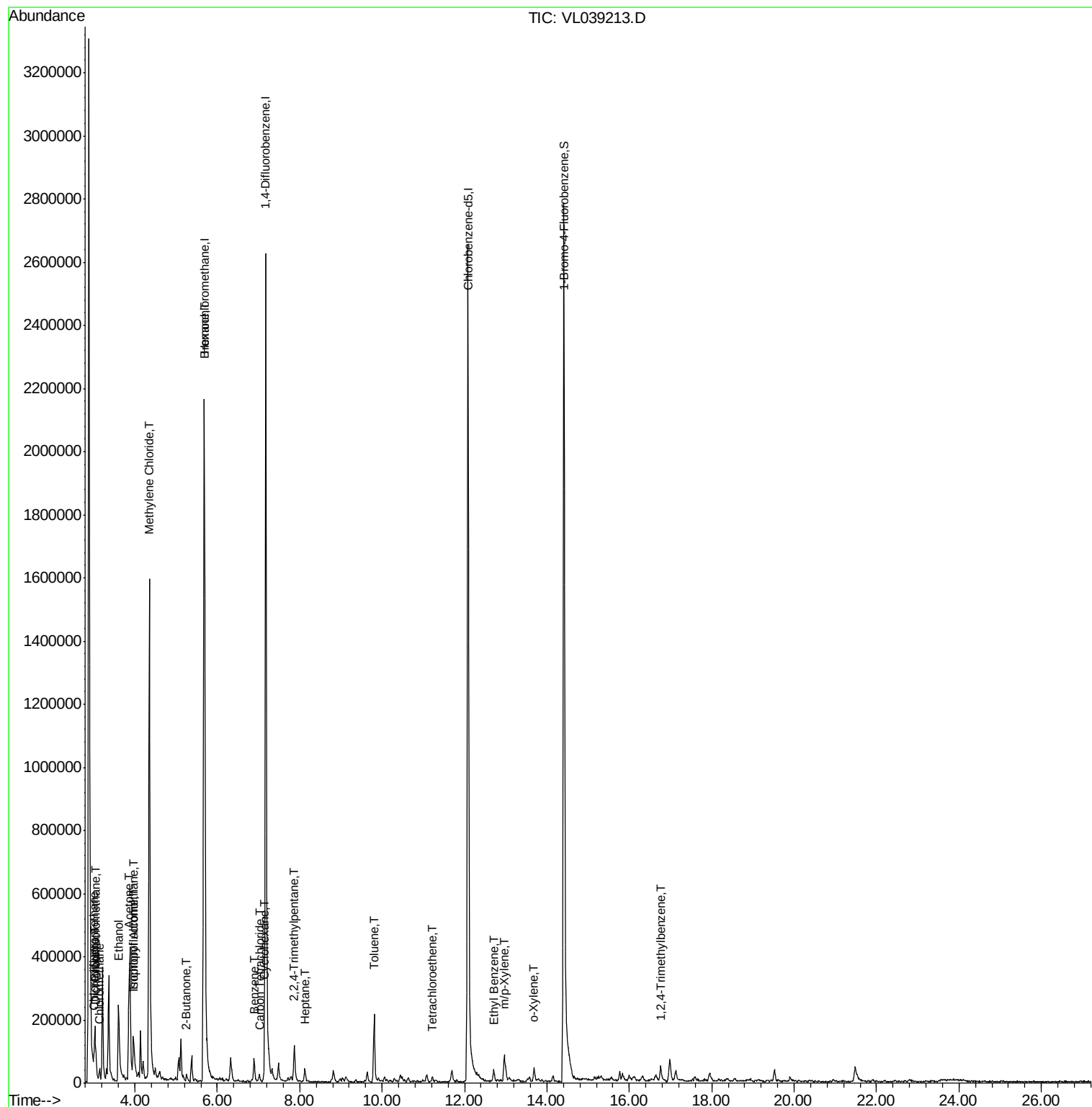
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060722\
Data File : VL039213.D
Acq On : 7 Jun 2022 17:33
Operator : SY/AP
Sample : N3199-03
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

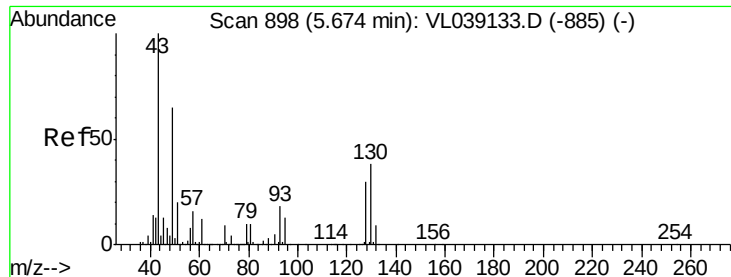
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Jun 08 05:50:40 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL053122
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: OA1

Acq: 7 Jun 2022 17:33

Tot Ion:

Ion Ratio

49 100

128 48.

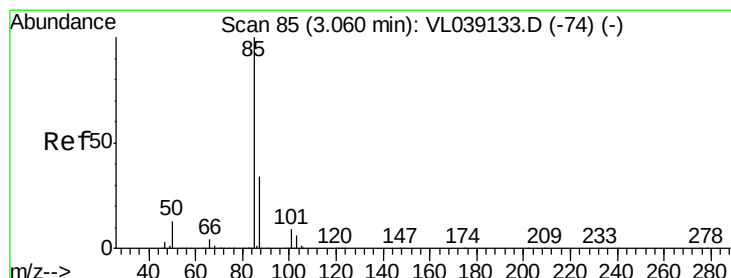
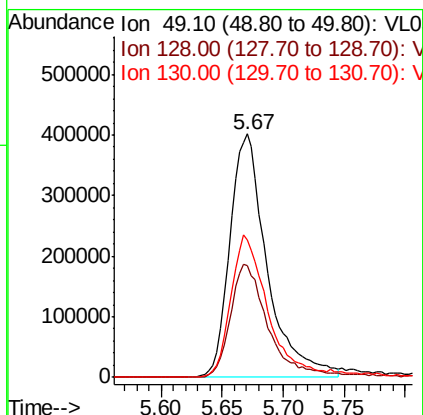
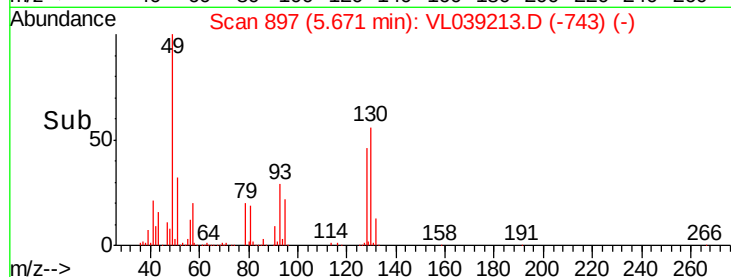
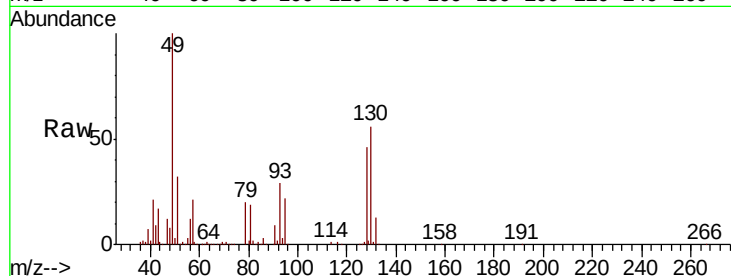
130 60.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#2

Dichlorodifluoromethane

Concen: 0.322 ppbv

RT: 3.05 min Scan# 83

Delta R.T. -0.01 min

Lab File: VL039213.D

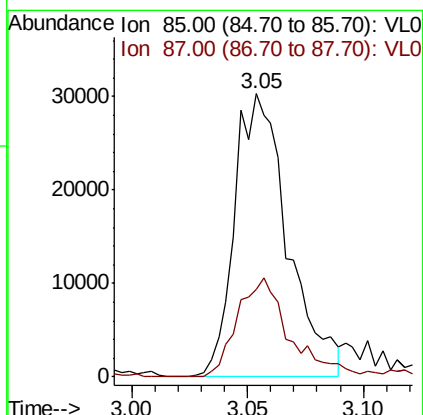
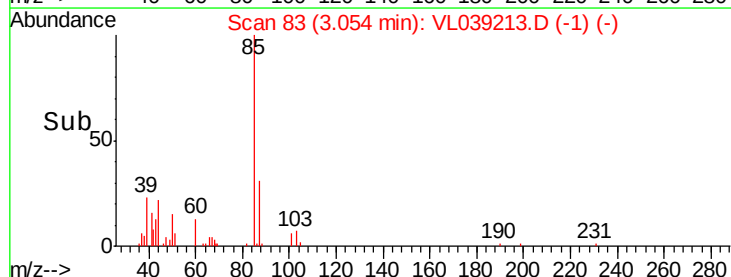
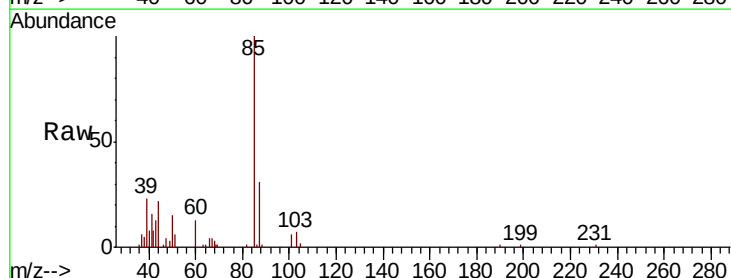
Acq: 7 Jun 2022 17:33

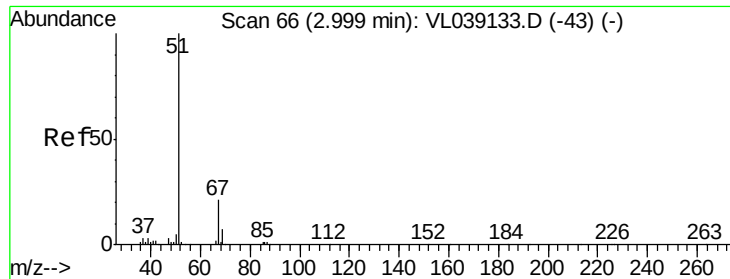
Tgt Ion: 85 Resp: 48331

Ion Ratio Lower Upper

85 100

87 30.7 26.9 40.3





#3

Chlorodifluoromethane

Concen: 0.578 ppbv m

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Jun 2022 17:33

Tot Ion:

Ion Ratio

51 100

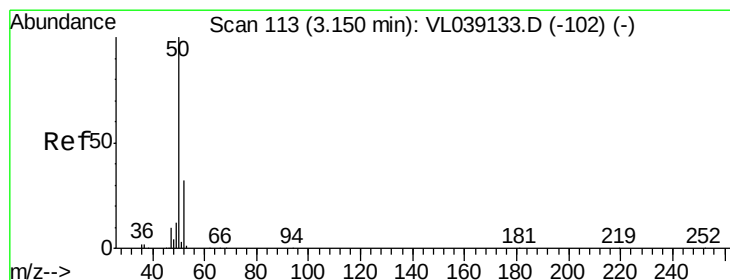
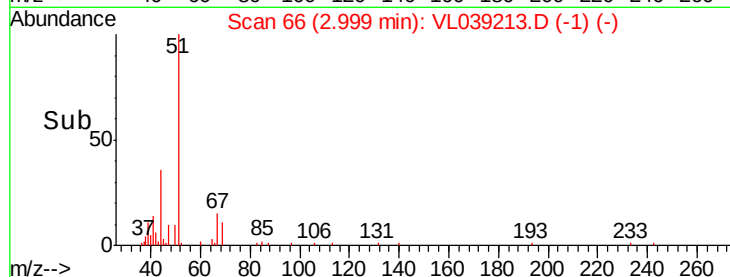
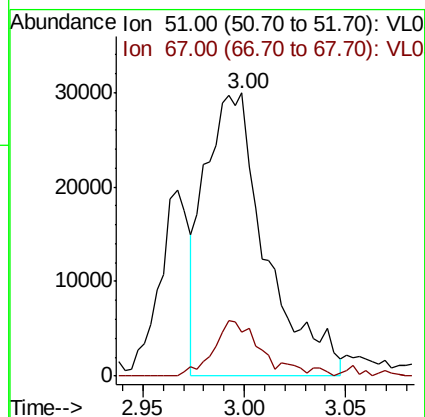
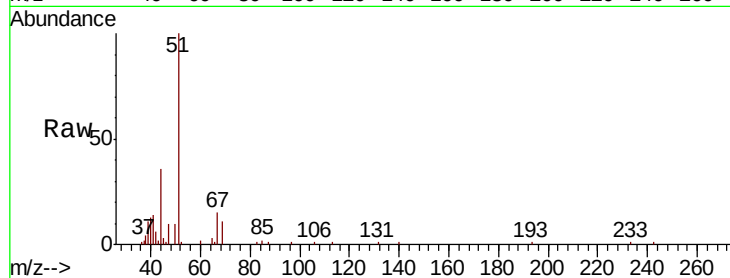
67 1.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#4

Chloromethane

Concen: 0.633 ppbv m

RT: 3.14 min Scan# 111

Delta R.T. -0.01 min

Lab File: VL039213.D

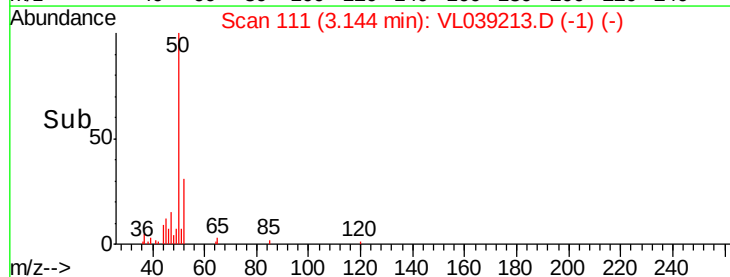
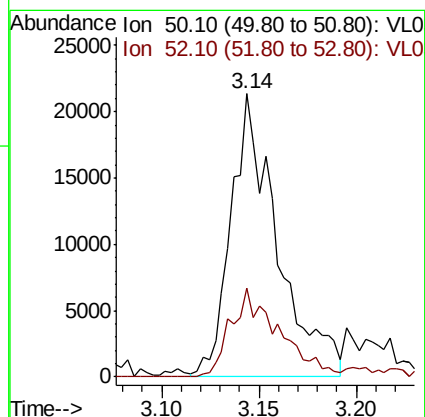
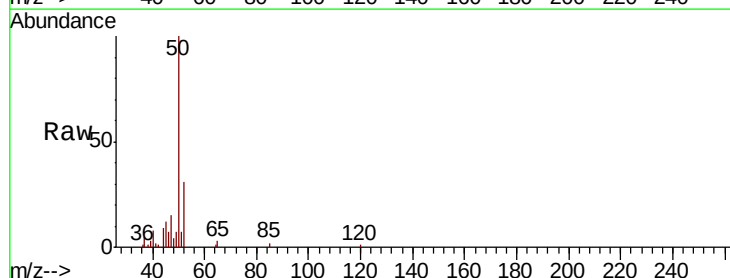
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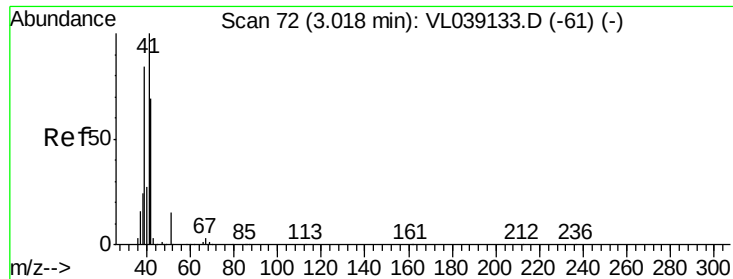
Tgt Ion: 50 Resp: 35345

Ion Ratio Lower Upper

50 100

52 31.4 25.9 38.9



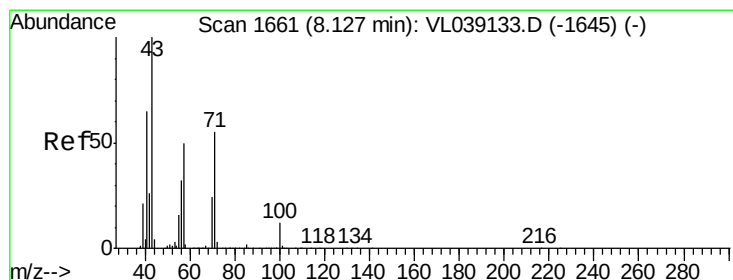
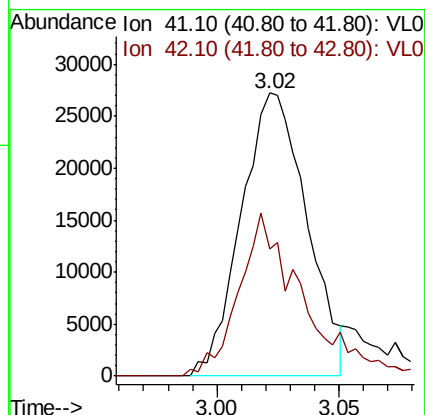
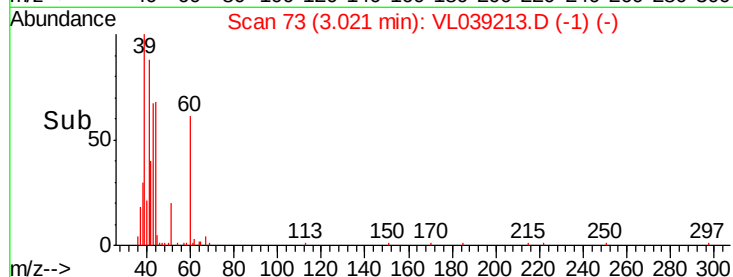
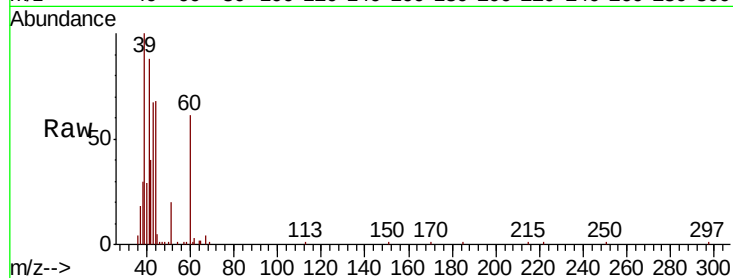


#9
 Propene
 Concen: 1.073 ppbv
 RT: 3.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 17:33

Tot Ion:
 Ion Ratio
 41 100
 42 57.

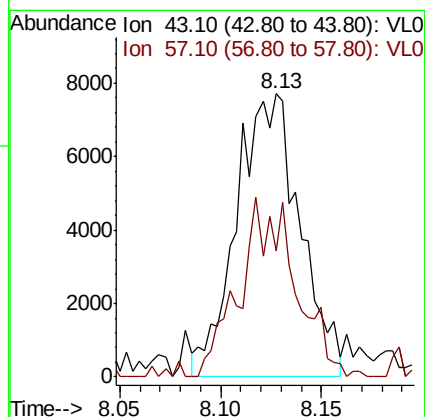
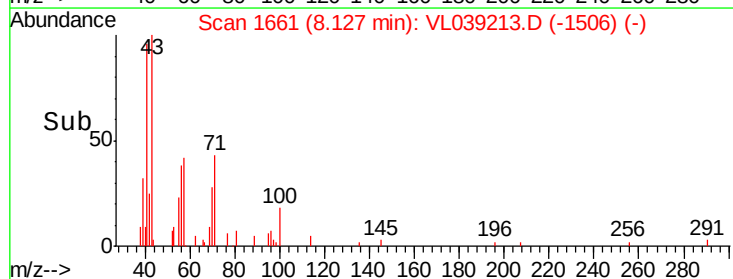
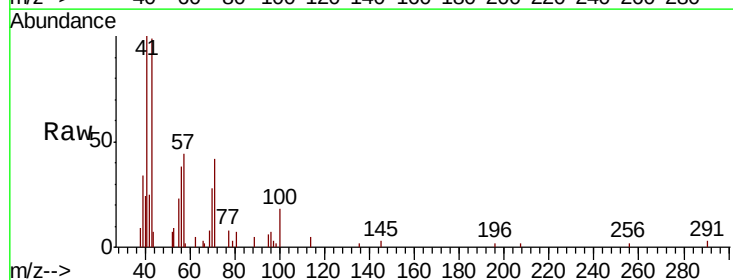
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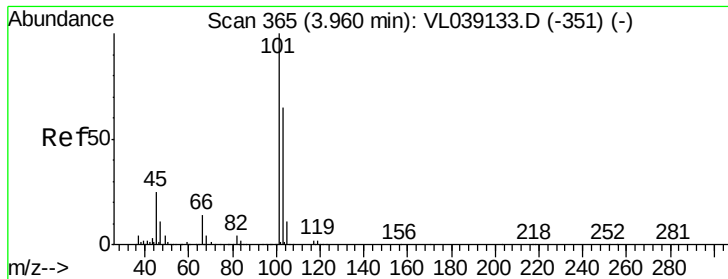
Reviewed By :Semsettin Yesilyurt 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022



#10
 Heptane
 Concen: 0.152 ppbv m
 RT: 8.13 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VL039213.D
 Acq: 7 Jun 2022 17:33

Tgt Ion: 43 Resp: 16833
 Ion Ratio Lower Upper
 43 100
 57 56.1 41.4 62.2





#11

Trichlorofluoromethane

Concen: 0.293 ppbv m

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Jun 2022 17:33

Tot Ion:1

Ion Rati

101 100

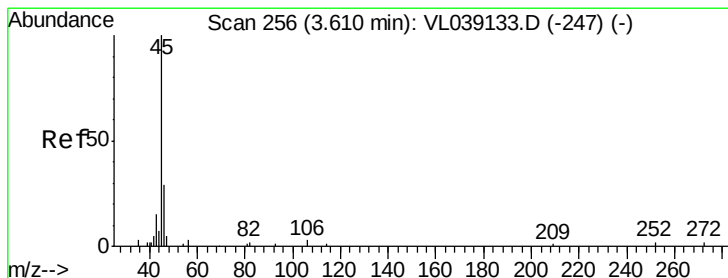
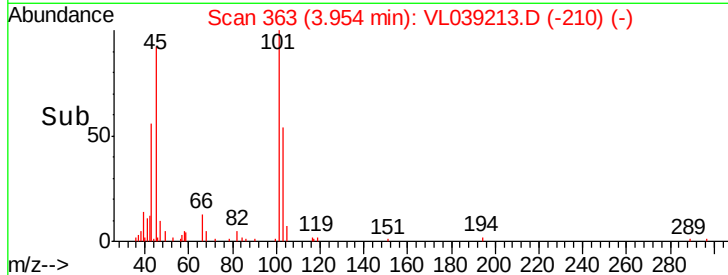
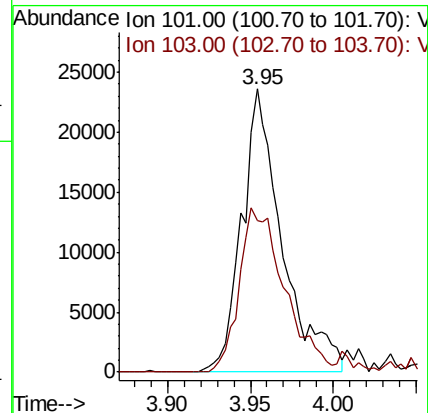
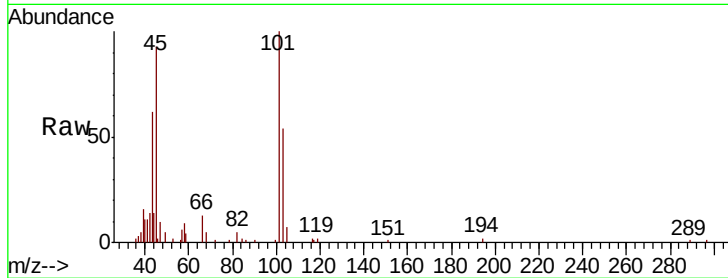
103 53.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#13

Ethanol

Concen: 130.949 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.01 min

Lab File: VL039213.D

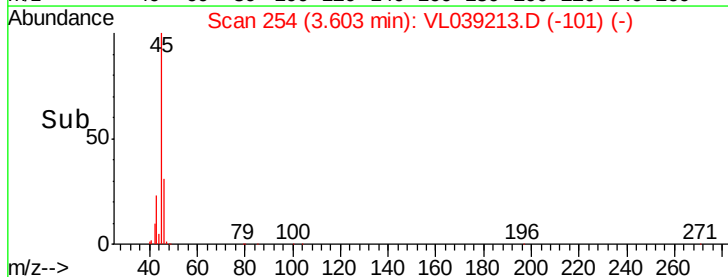
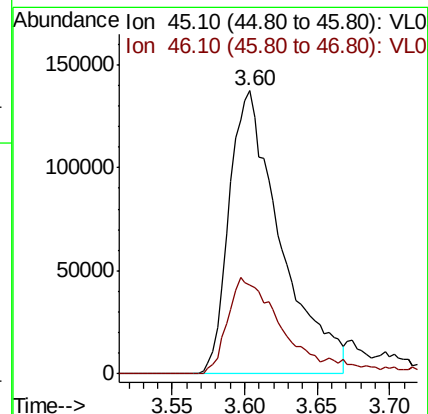
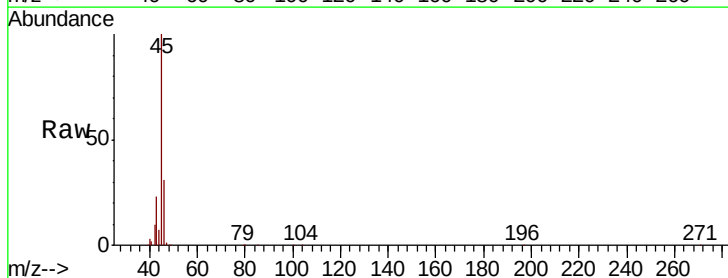
Acq: 7 Jun 2022 17:33

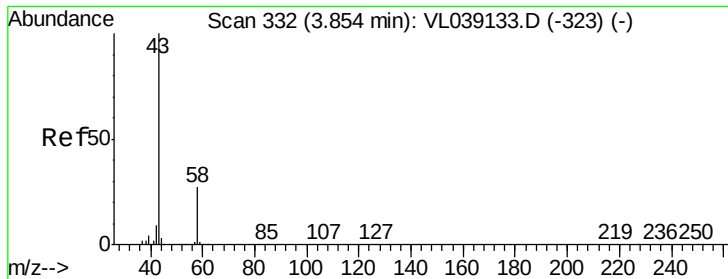
Tgt Ion: 45 Resp: 338443

Ion Ratio Lower Upper

45 100

46 39.7 0.0 0.0#





#15

Acetone

Concen: 3.578 ppbv m

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Jun 2022 17:33

Tot Ion:

Ion Ratio

43 100

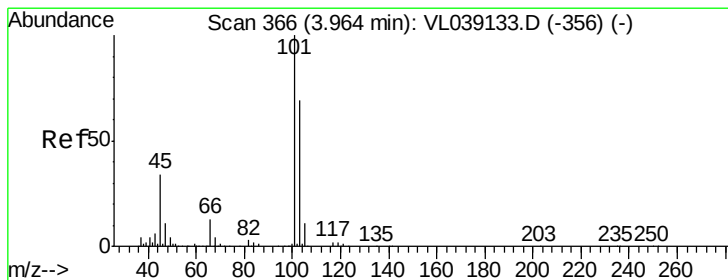
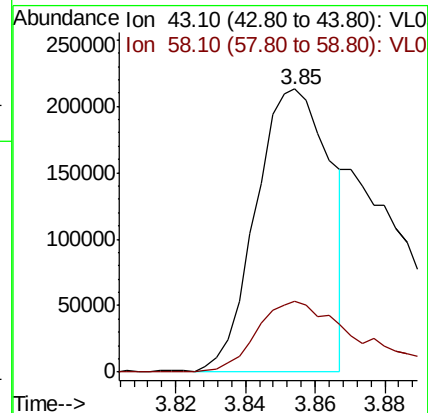
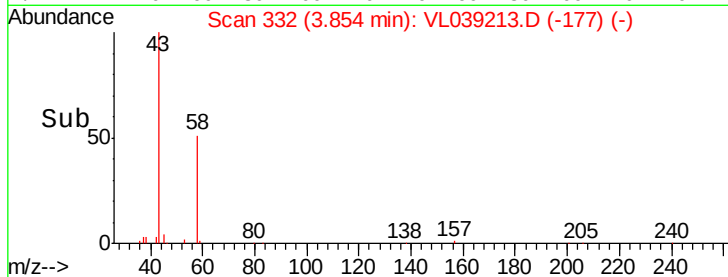
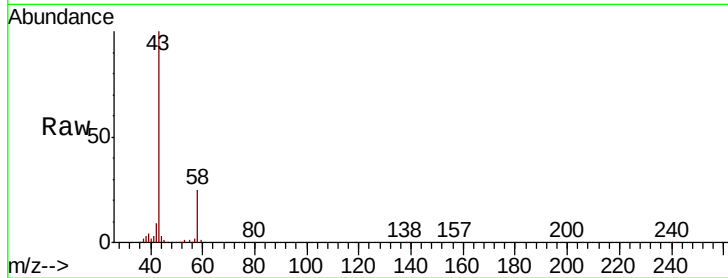
58 37.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#19

Isopropyl Alcohol

Concen: 3.340 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.01 min

Lab File: VL039213.D

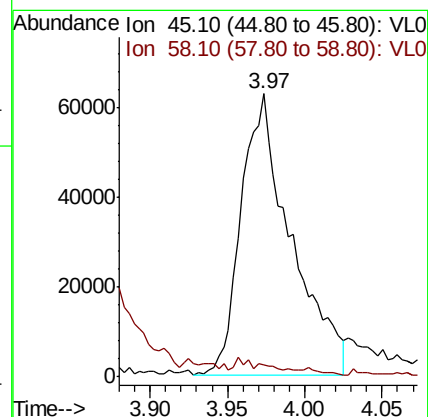
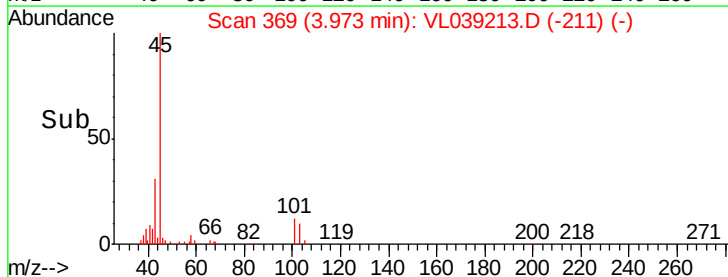
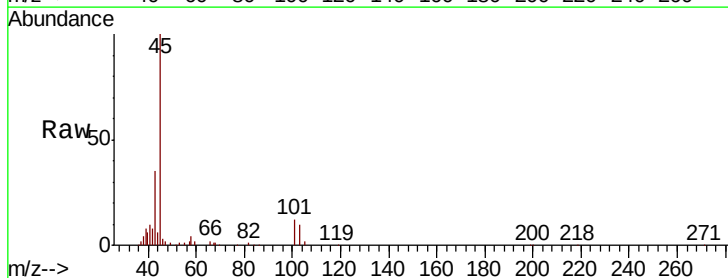
Acq: 7 Jun 2022 17:33

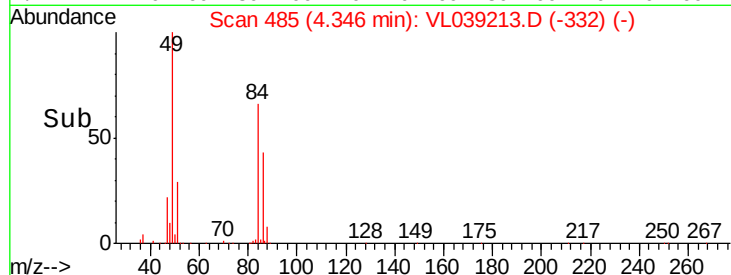
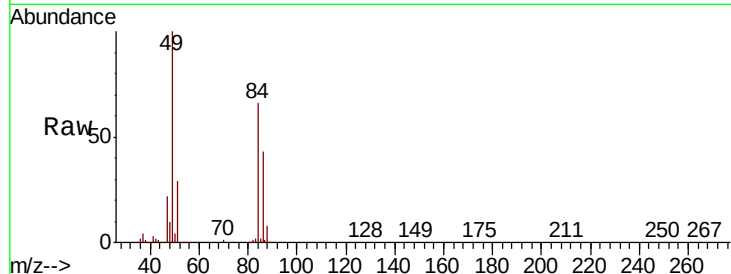
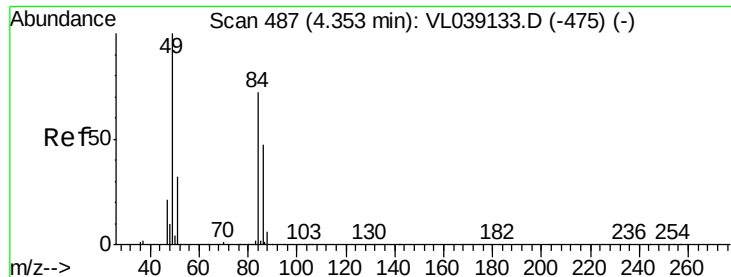
Tgt Ion: 45 Resp: 139399

Ion Ratio Lower Upper

45 100

58 4.8 1.8 2.8#



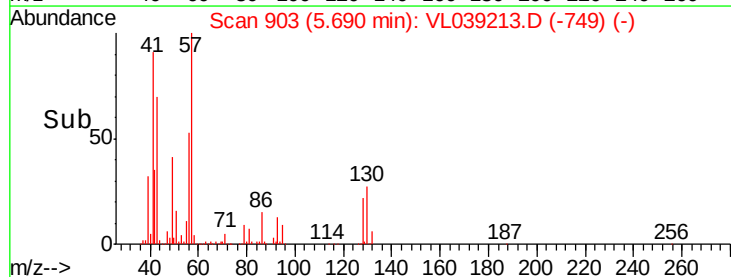
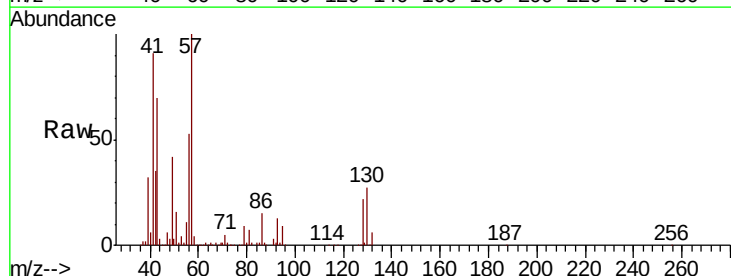
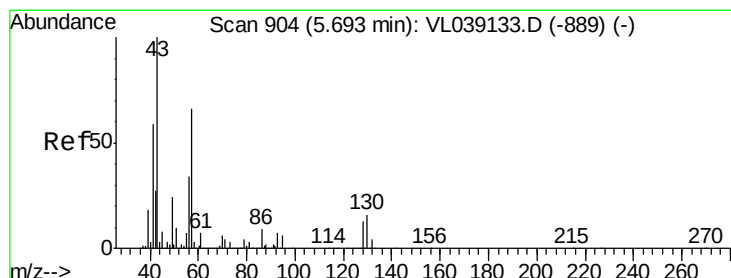
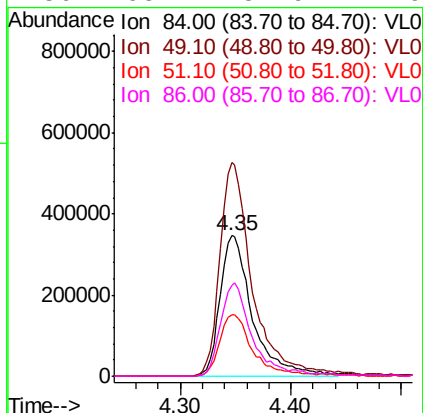


#20
Methvlene Chloride
Concen: 18.927 ppbv
RT: 4.35
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Jun 2022 17:33

Tot Ion:
Ion Ratio
84 100
49 151.
51 44.
86 65.1 51.9 77.9

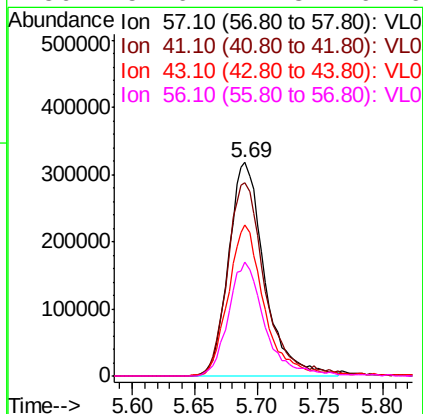
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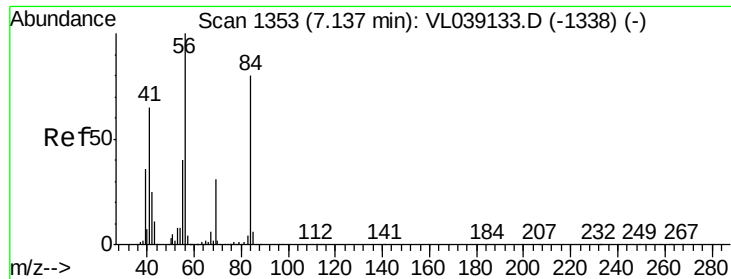
Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#26
Hexane
Concen: 7.175 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL039213.D
Acq: 7 Jun 2022 17:33

Tgt Ion: 57 Resp: 632375
Ion Ratio Lower Upper
57 100
41 96.7 72.4 108.6
43 72.1 187.0 280.6#
56 54.6 41.8 62.6



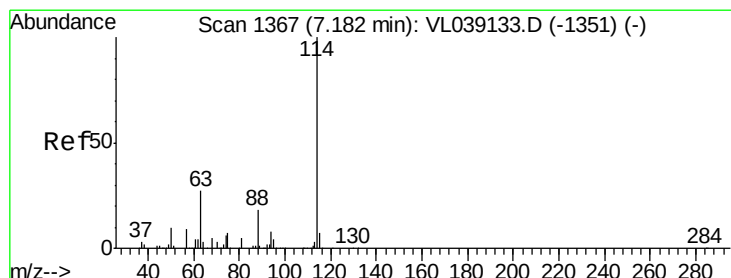
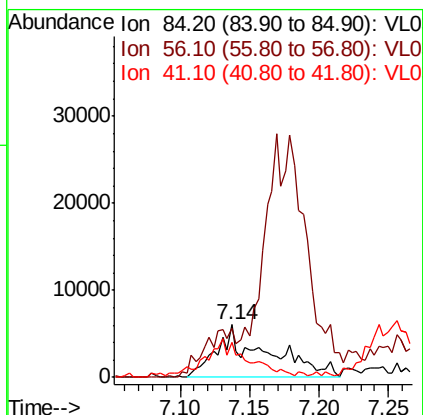
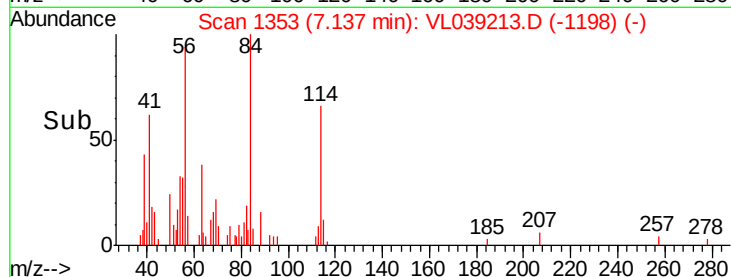
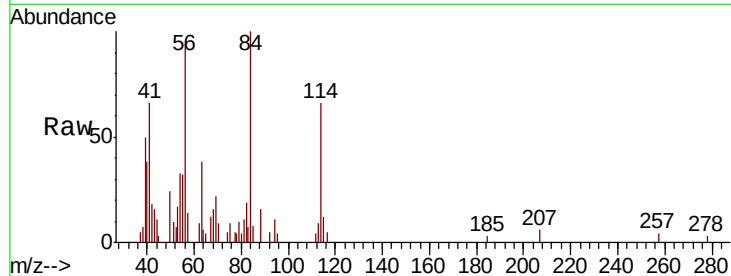


#30
Cyclohexane
Concen: 0.204 ppbv m
RT: 7.14
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Jun 2022 17:33

Tot Ion:
Ion Ratio
84 100
56 0.
41 65.

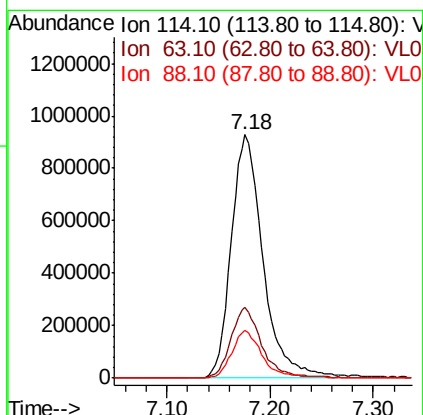
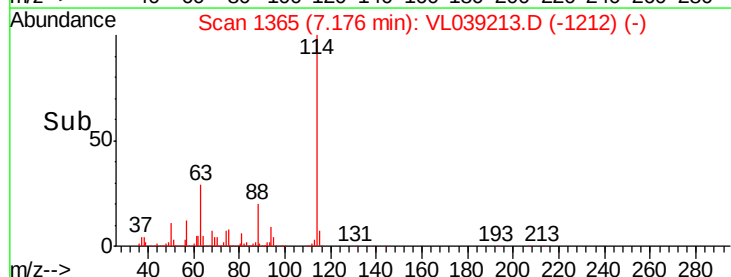
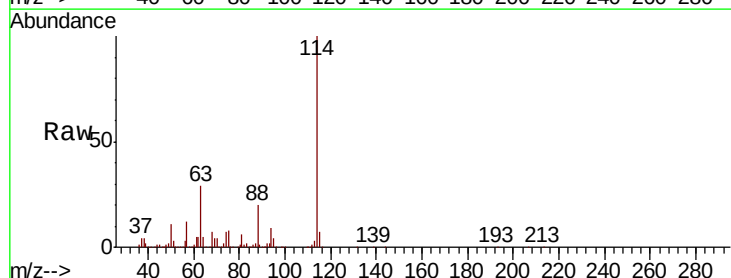
Manual Integrations
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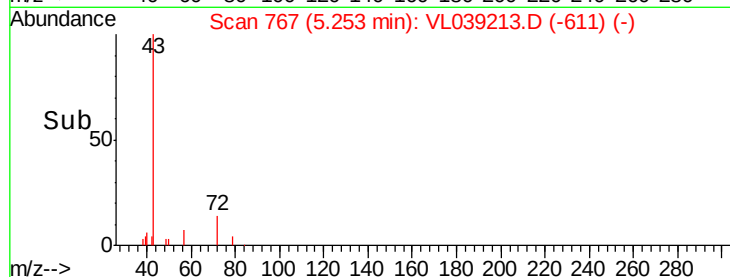
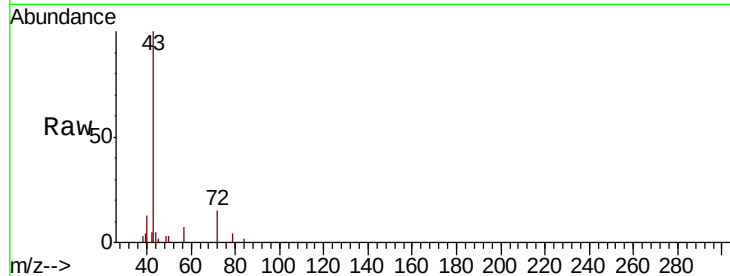
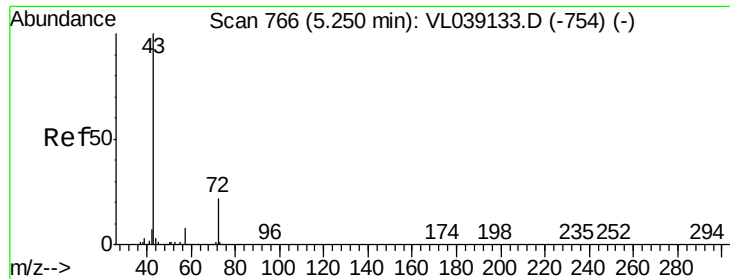
Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL039213.D
Acq: 7 Jun 2022 17:33

Tgt Ion:114 Resp: 1992726
Ion Ratio Lower Upper
114 100
63 28.8 21.7 32.5
88 19.1 14.8 22.2



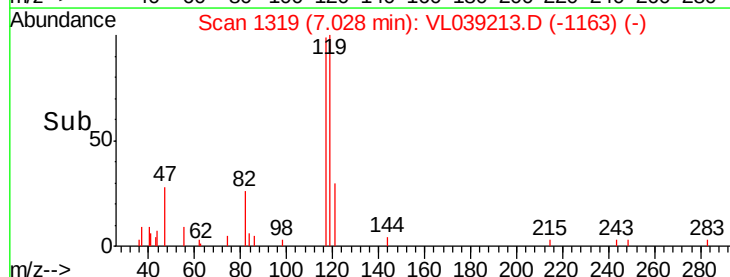
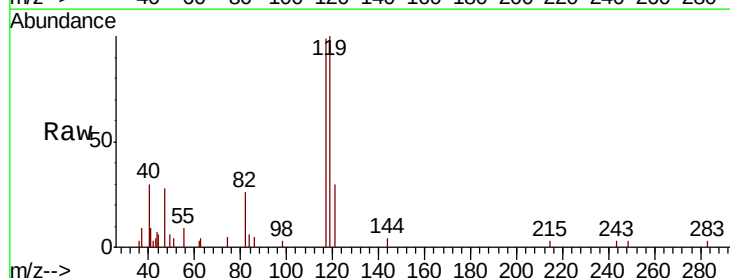
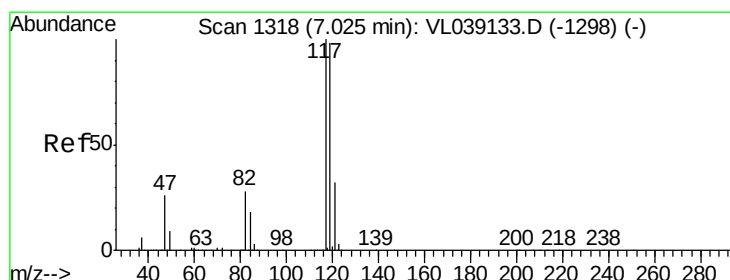
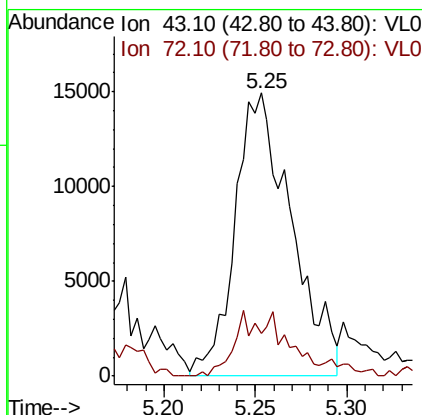


#34
2-Butanone
Concen: 0.297 ppbv m
RT: 5.25
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Jun 2022 17:33

Tot Ion:
Ion Ratio
43 100
72 23.

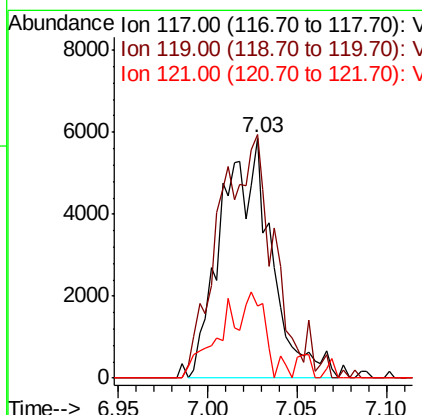
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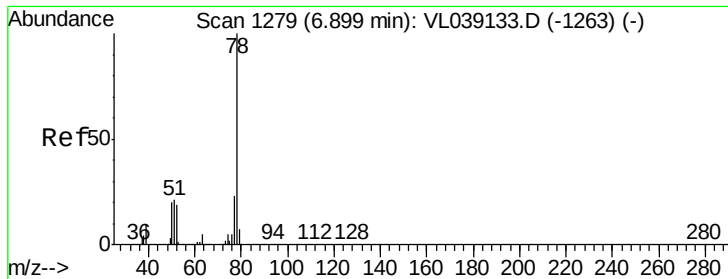
Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#35
Carbon Tetrachloride
Concen: 0.078 ppbv m
RT: 7.03 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VL039213.D
Acq: 7 Jun 2022 17:33

Tgt Ion:117 Resp: 11399
Ion Ratio Lower Upper
117 100
119 101.3 78.6 118.0
121 30.0 25.4 38.0



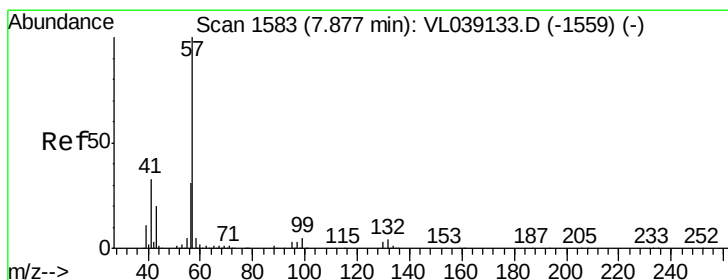
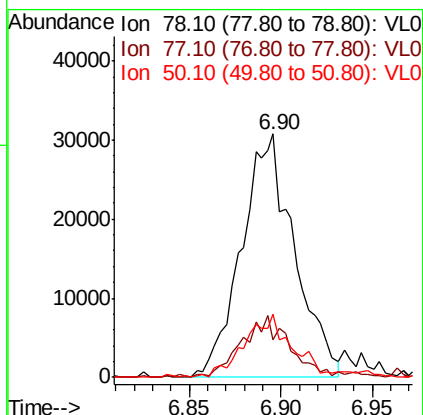
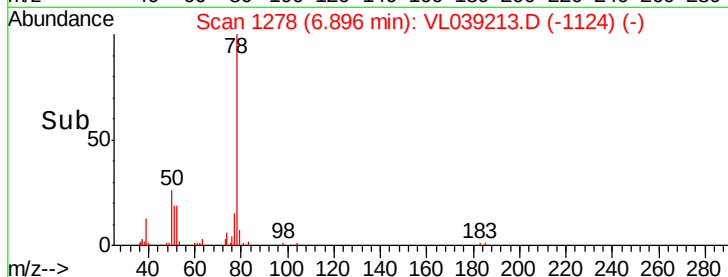
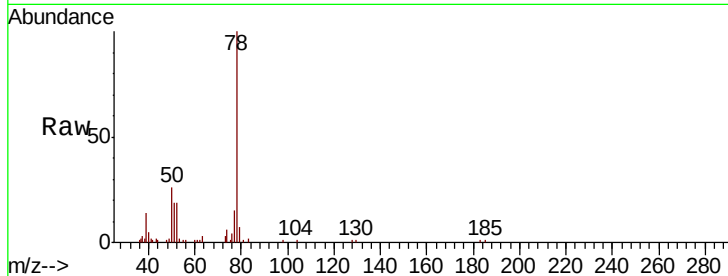


#36
Benzene
Concen: 0.381 ppbv m
RT: 6.90
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Jun 2022 17:33

Tot Ion:
Ion Ratio
78 100
77 15.
50 26.

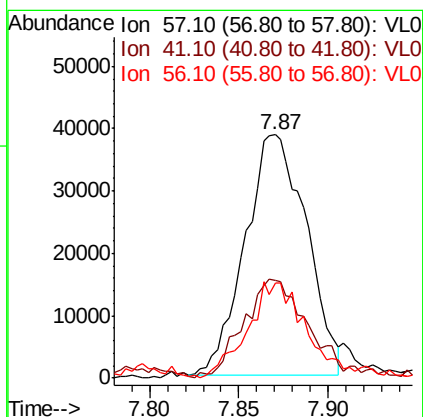
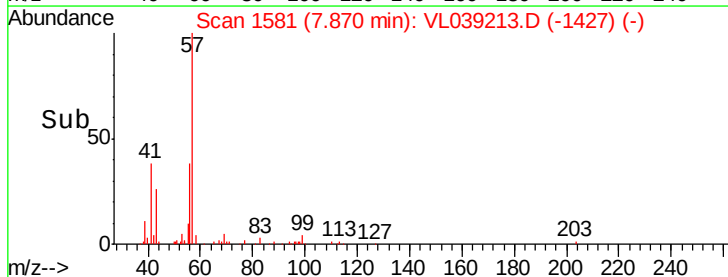
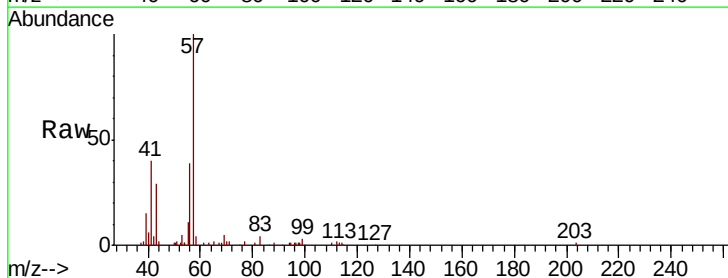
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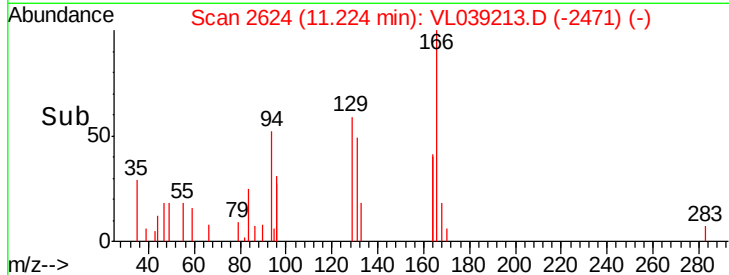
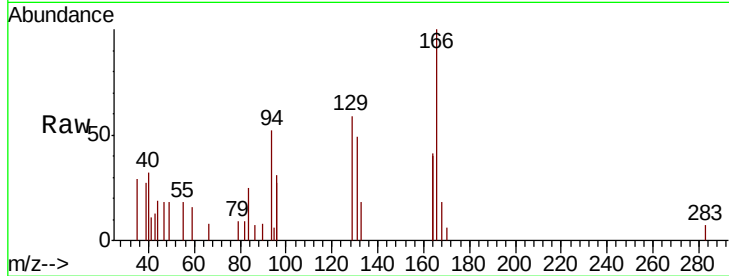
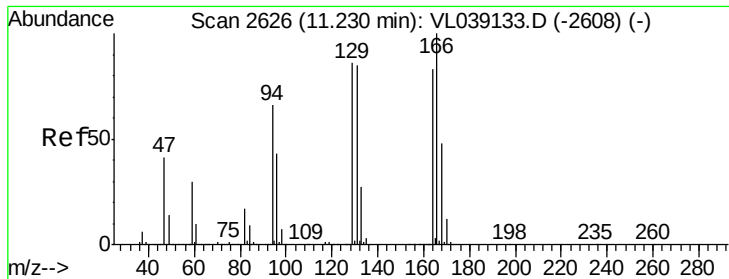
Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#44
2,2,4-Trimethylpentane
Concen: 0.327 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VL039213.D
Acq: 7 Jun 2022 17:33

Tgt Ion: 57 Resp: 92412
Ion Ratio Lower Upper
57 100
41 45.4 26.2 39.4#
56 40.5 24.7 37.1#





#52

Tetrachloroethene

Concen: 0.054 ppbv m

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

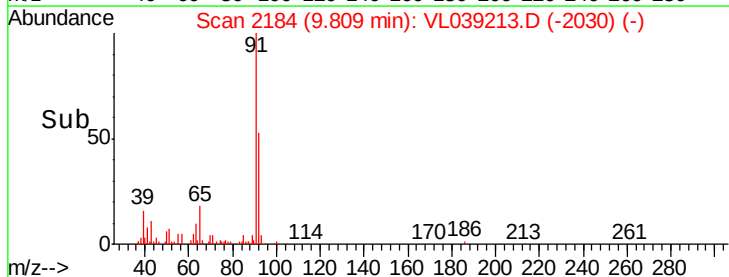
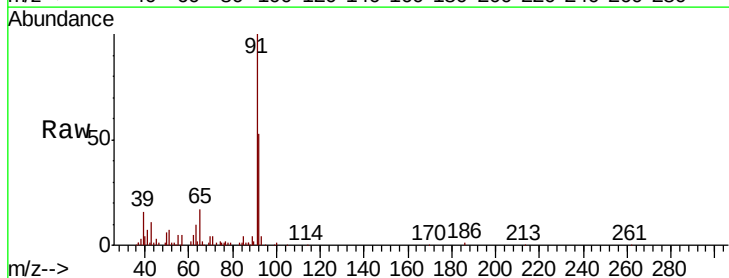
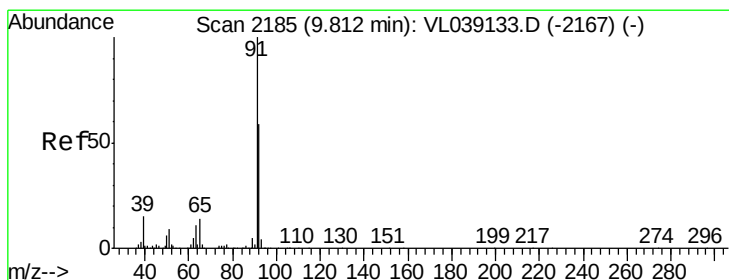
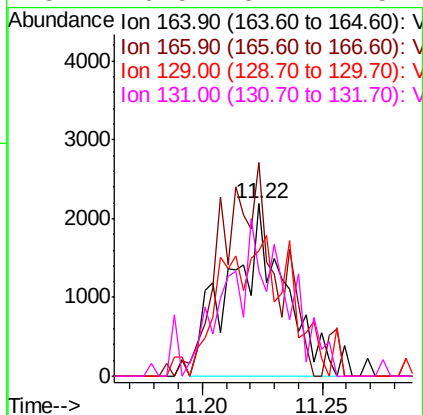
Acq: 7 Jun 2022 17:33

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Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022

Tot Ion:1
Ion Rati
164 100
166 245.
129 143.
131 120.5 82.1 123.1



#53

Toluene

Concen: 0.755 ppbv m

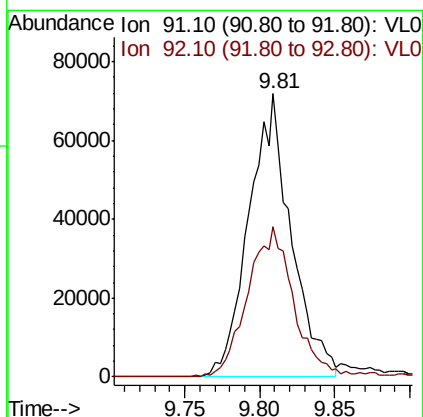
RT: 9.81 min Scan# 2184

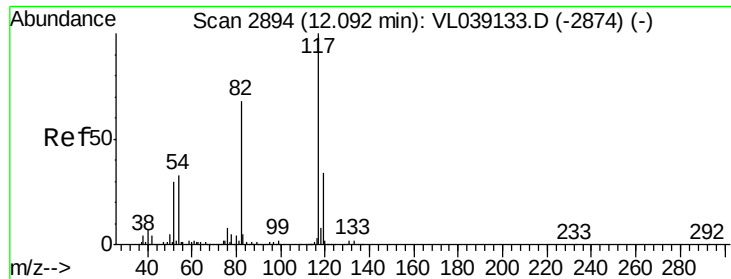
Delta R.T. -0.00 min

Lab File: VL039213.D

Acq: 7 Jun 2022 17:33

Tgt Ion: 91 Resp: 140588
Ion Ratio Lower Upper
91 100
92 58.3 48.1 72.1



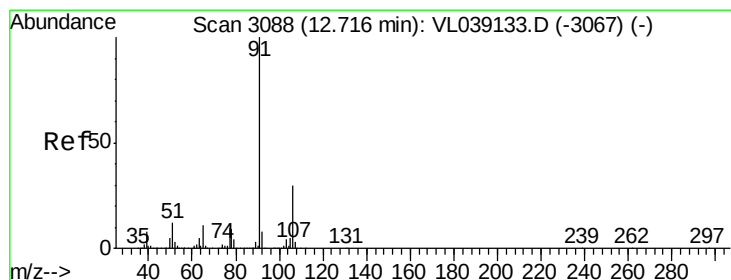
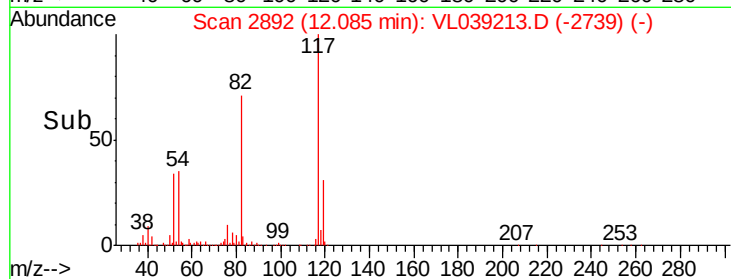
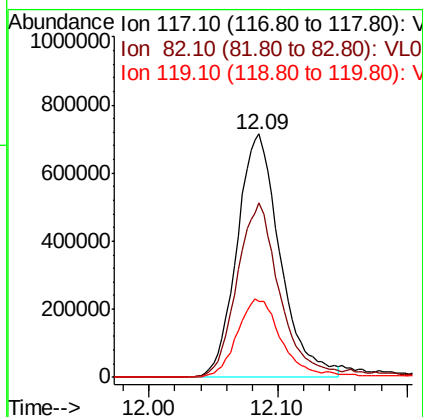
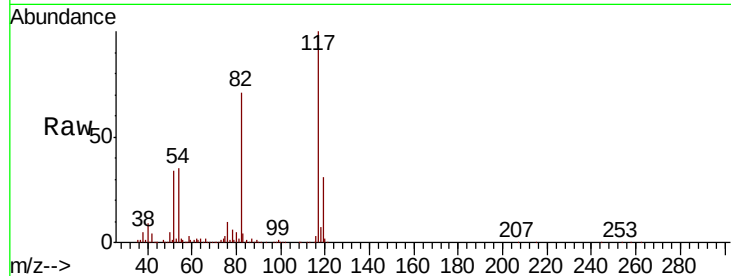


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Jun 2022 17:33

Tot Ion: 1
Ion Ratio
117 100
82 74.
119 34.

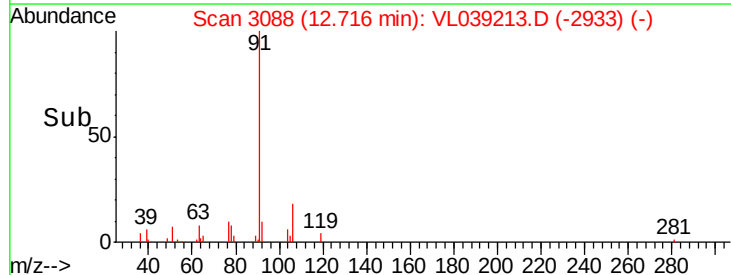
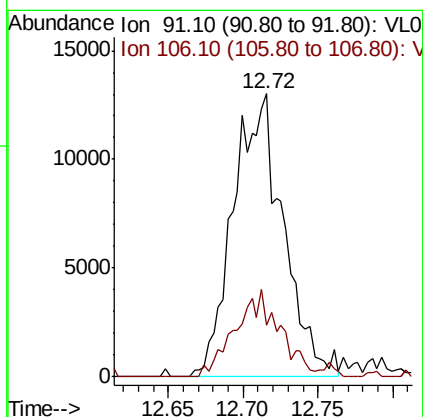
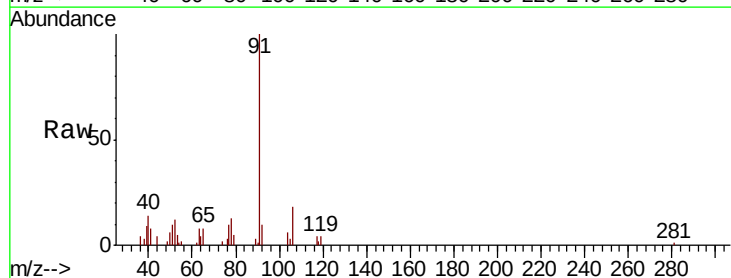
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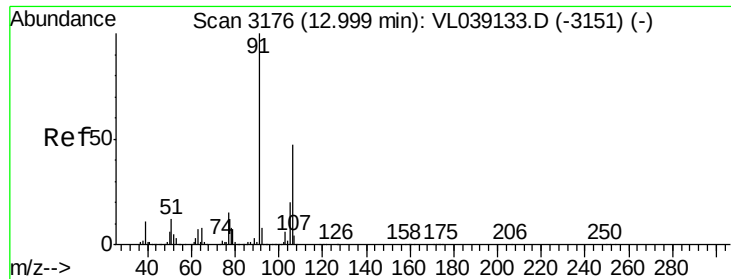
Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#58
Ethyl Benzene
Concen: 0.131 ppbv m
RT: 12.72 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL039213.D
Acq: 7 Jun 2022 17:33

Tgt Ion: 91 Resp: 30111
Ion Ratio Lower Upper
91 100
106 18.4 24.2 36.4#



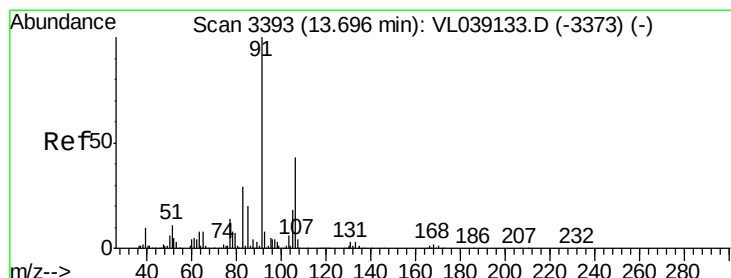
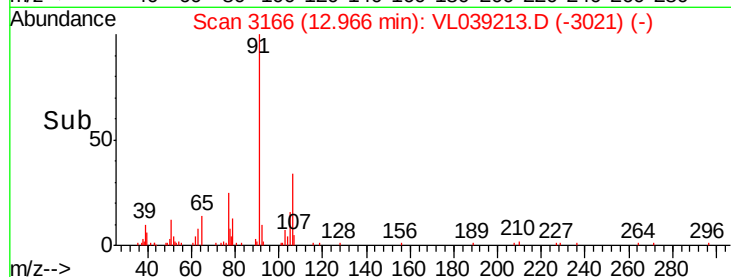
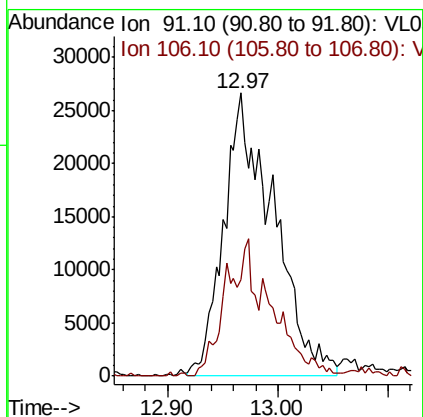
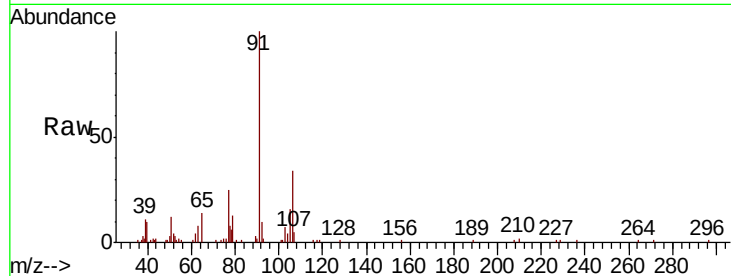


#59
m/p-Xylene
Concen: 0.410 ppbv m
RT: 12.97
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Jun 2022 17:33

Tot Ion:
Ion Ratio
91 100
106 0.

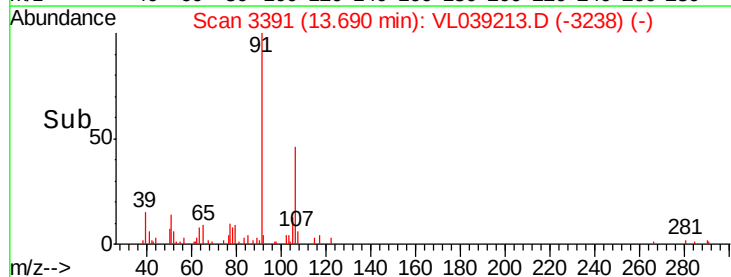
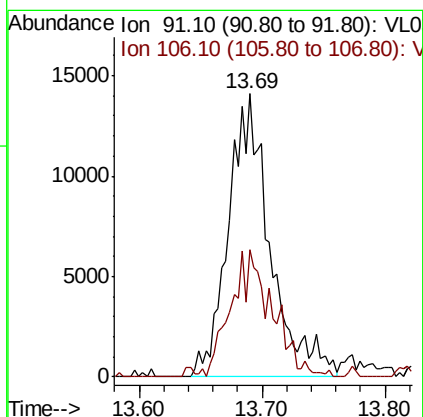
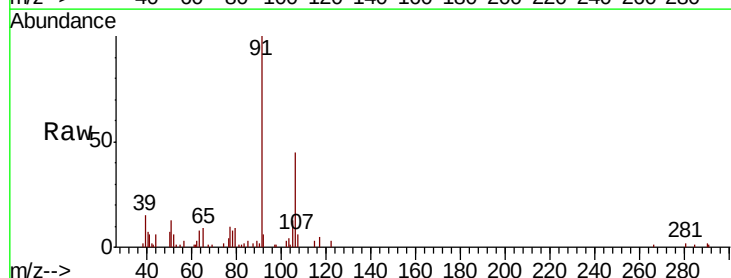
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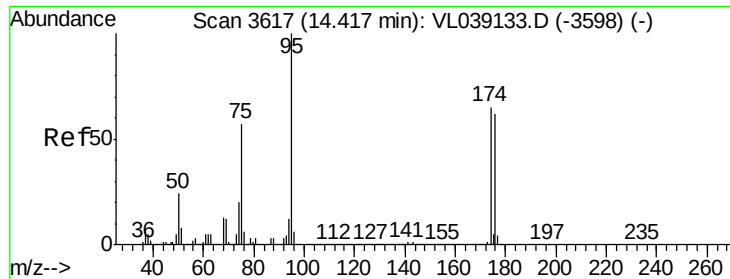
Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#60
o-Xylene
Concen: 0.175 ppbv m
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL039213.D
Acq: 7 Jun 2022 17:33

Tgt Ion: 91 Resp: 33086
Ion Ratio Lower Upper
91 100
106 45.5 22.3 66.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.022 ppbv

RT: 14.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Jun 2022 17:33

Tot Ion:

Ion Ratio

95 100

174 64.

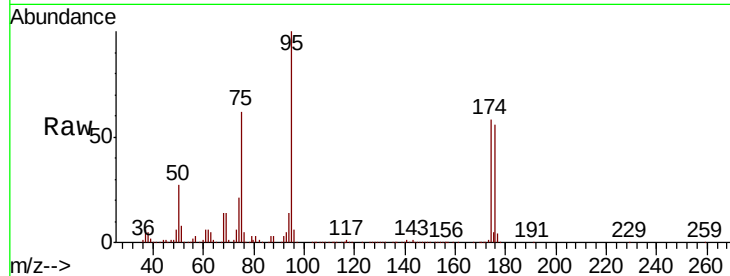
175 4.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022

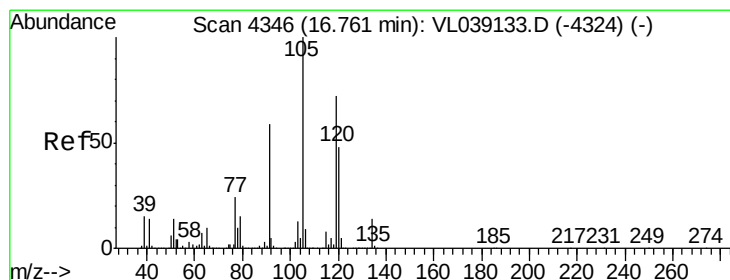
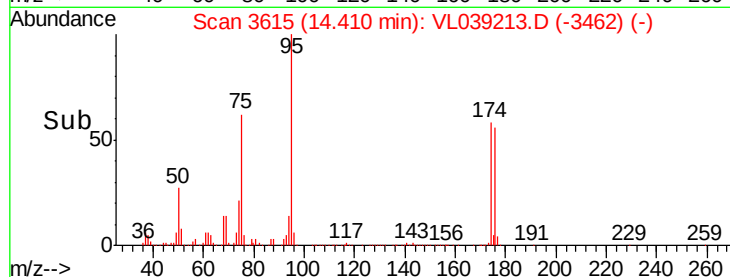
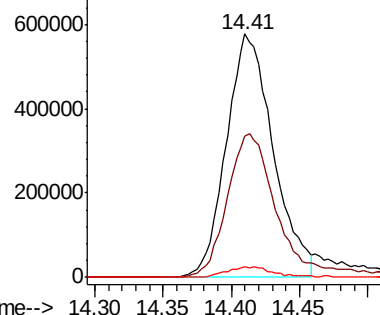


Abundance

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



#74

1,2,4-Trimethylbenzene

Concen: 0.149 ppbv m

RT: 16.76 min Scan# 4346

Delta R.T. -0.00 min

Lab File: VL039213.D

Acq: 7 Jun 2022 17:33

Tgt Ion:105 Resp: 33424

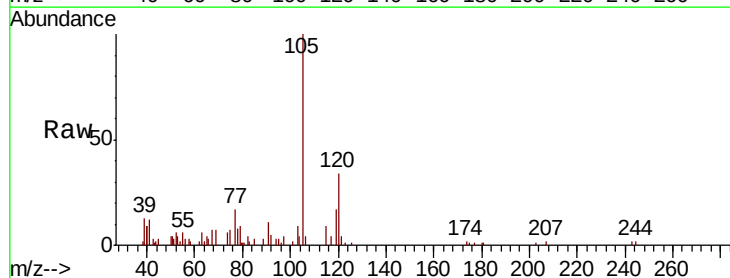
Ion Ratio Lower Upper

105 100

120 34.3 38.1 57.1#

91 11.2 47.4 71.0#

77 16.5 19.5 29.3#



Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

