

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030222\
 Data File : VL038483.D
 Acq On : 2 Mar 2022 15:48
 Operator : SY/AP
 Sample : N1724-01 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV-02

Manual Integrations
 APPROVED

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

Quant Time: Mar 02 23:25:11 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222A
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.67	49	981839	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	2266940	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	2015197	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1691313	10.14	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds

					Ovalue
4) Chloromethane	3.15	50	11208	0.186 ppbv	# 85
5) Vinyl Chloride	3.26	62	766484	12.171 ppbv	100
9) Propene	3.02	41	8397731m	146.700 ppbv	
10) Heptane	8.12	43	69704	0.500 ppbv	94
13) Ethanol	3.61	45	65497	11.465 ppbv	87
15) Acetone	3.86	43	548489m	6.569 ppbv	
18) 1,1-Dichloroethene	4.29	96	14265	0.298 ppbv	# 81
19) Isopropyl Alcohol	3.98	45	42273	0.874 ppbv	# 93
20) Methylene Chloride	4.35	84	20434m	0.494 ppbv	
22) trans-1,2-Dichloroethene	4.89	96	31488	0.651 ppbv	94
26) Hexane	5.69	57	168656	1.660 ppbv	# 50
27) Carbon Disulfide	4.55	76	38614	0.342 ppbv	# 92
30) Cyclohexane	7.13	84	26764m	0.322 ppbv	
31) cis-1,2-Dichloroethene	5.55	61	1919190	19.500 ppbv	96
34) 2-Butanone	5.26	43	125012	1.753 ppbv	# 89
36) Benzene	6.89	78	105110	0.527 ppbv	96
38) Trichloroethene	7.83	130	607880	8.362 ppbv	98
52) Tetrachloroethene	11.22	164	248700	3.754 ppbv	98
53) Toluene	9.81	91	55310	0.255 ppbv	93
58) Ethyl Benzene	12.71	91	31859m	0.116 ppbv	
59) m/p-Xylene	12.97	91	110727m	0.468 ppbv	

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

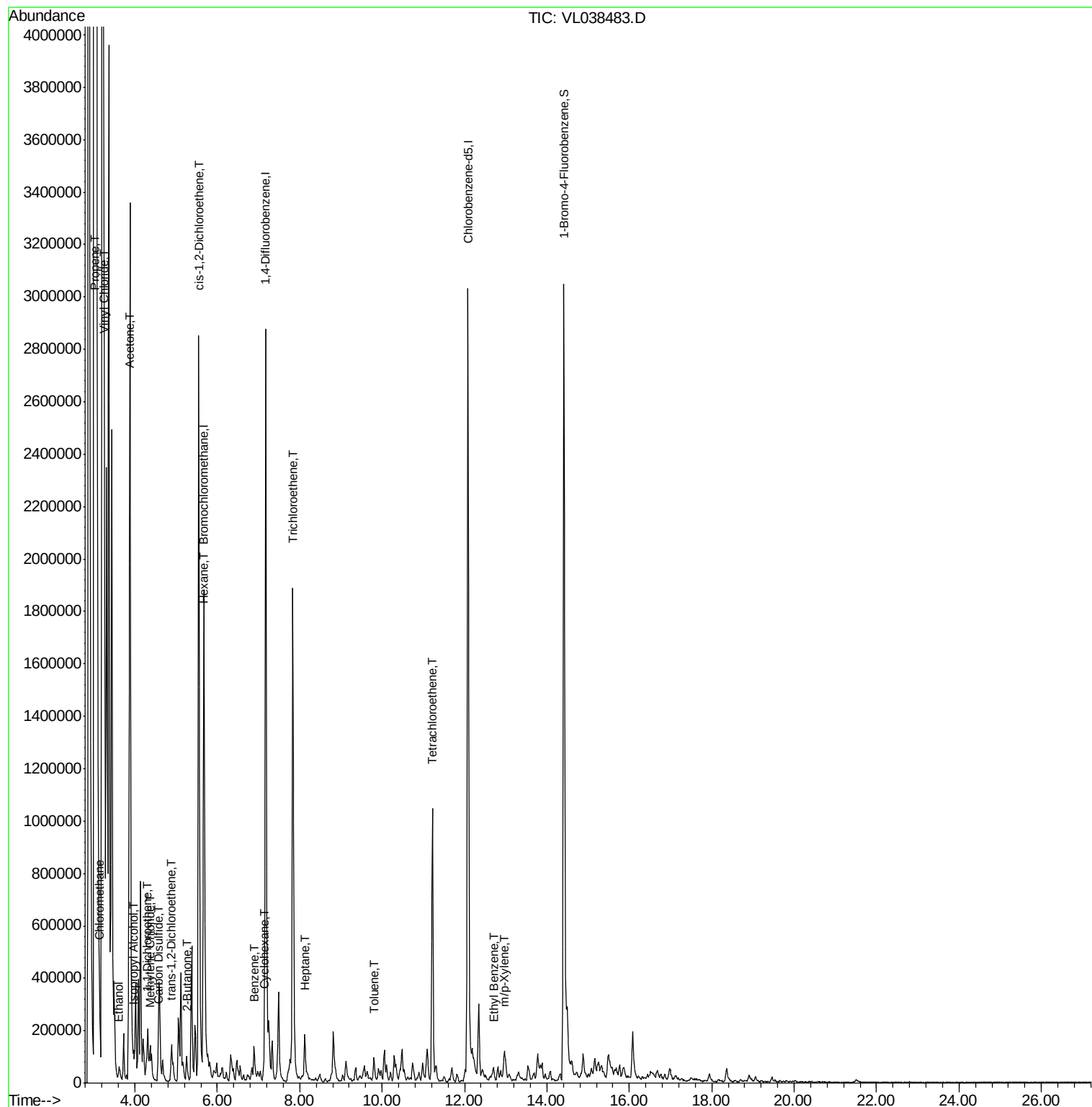
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030222\
Data File : VL038483.D
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ALS Vial : 1 Sample Multiplier: 1

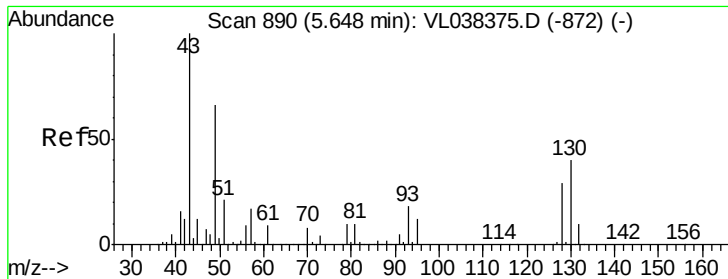
Instrument :
MSVOA_L
ClientSampleId :
SV-02

Quant Time: Mar 02 23:25:11 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022222
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Tue Feb 22 19:45:51 2022
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Supervised By :Mahesh Dadoda 03/07/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId:

Acq: 2 Mar 2022 15:48

Tot Ion:

Ion Ratio

49 100

128 44.

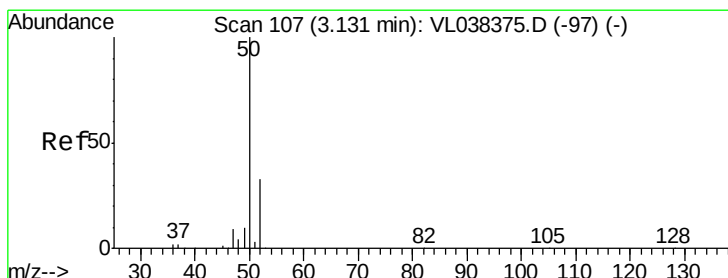
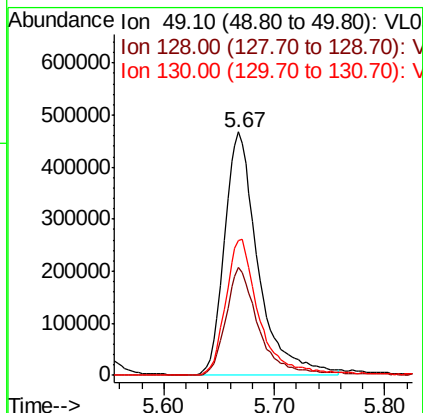
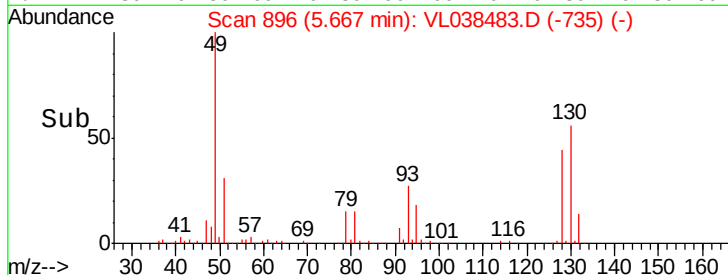
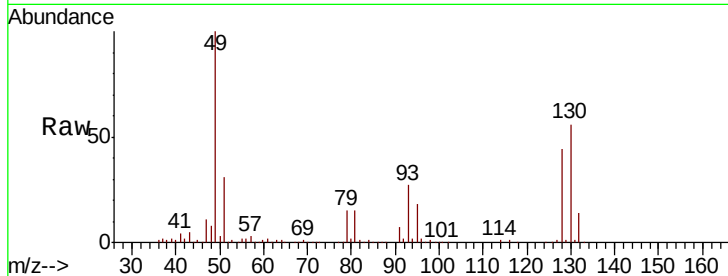
130 57.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#4

Chloromethane

Concen: 0.186 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.02 min

Lab File: VL038483.D

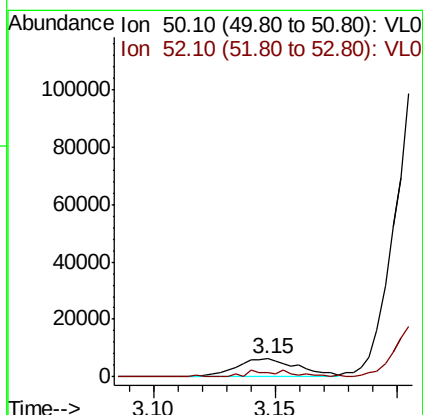
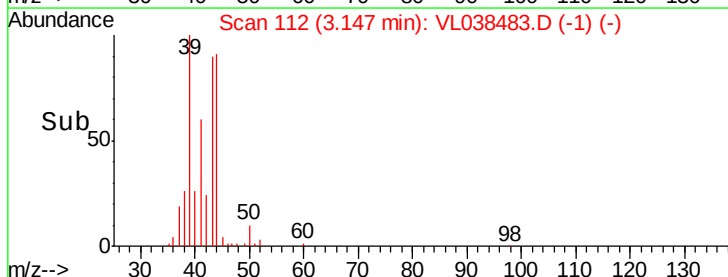
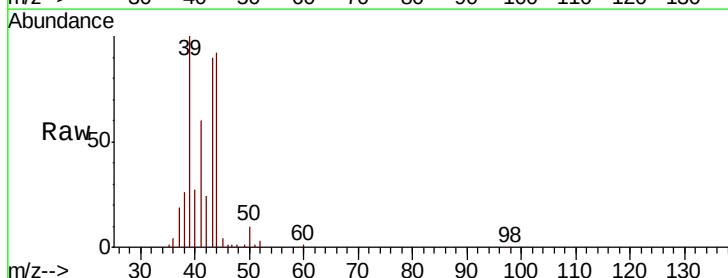
Acq: 2 Mar 2022 15:48

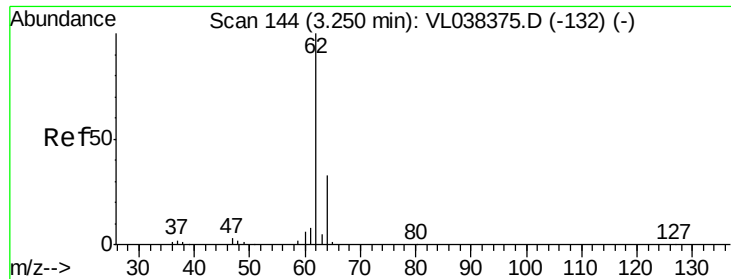
Tgt Ion: 50 Resp: 11208

Ion Ratio Lower Upper

50 100

52 24.4 26.5 39.7#





#5

Vinyl Chloride

Concen: 12.171 ppbv

RT: 3.26 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 15:48 SV-02

Tot Ion:

Ion Ratio

62 100

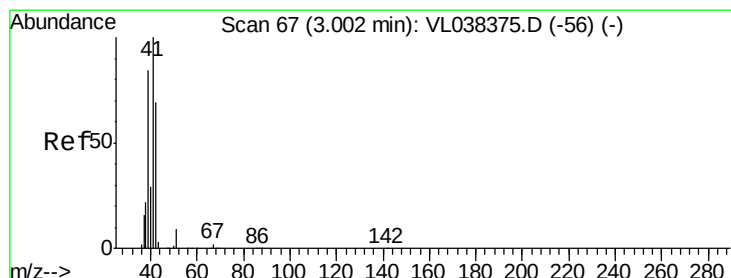
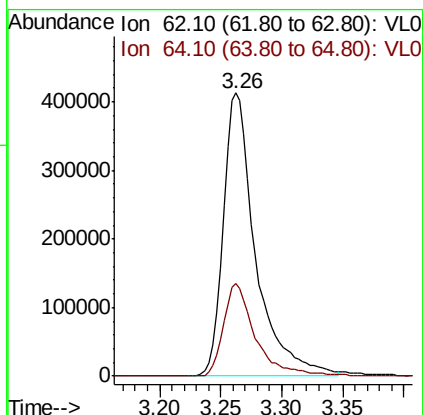
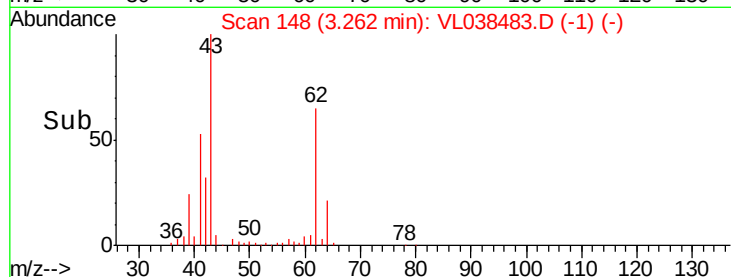
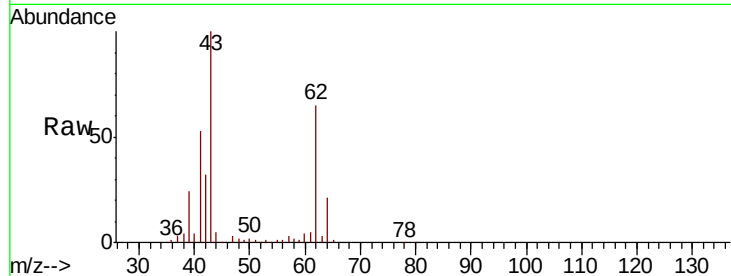
64 32.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#9

Propene

Concen: 146.700 ppbv m

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL038483.D

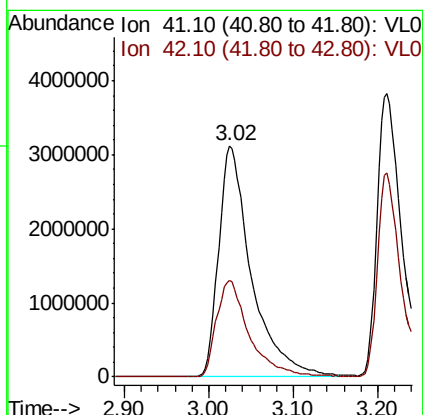
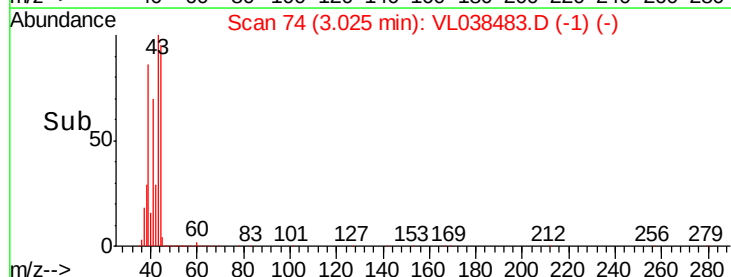
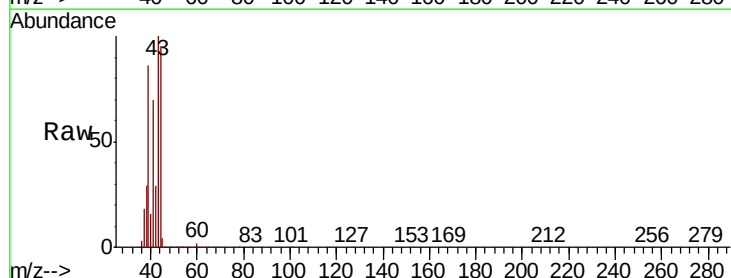
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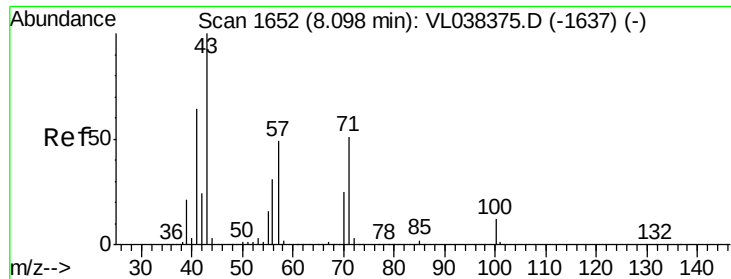
Tgt Ion: 41 Resp: 8397731

Ion Ratio Lower Upper

41 100

42 67.6 54.6 82.0



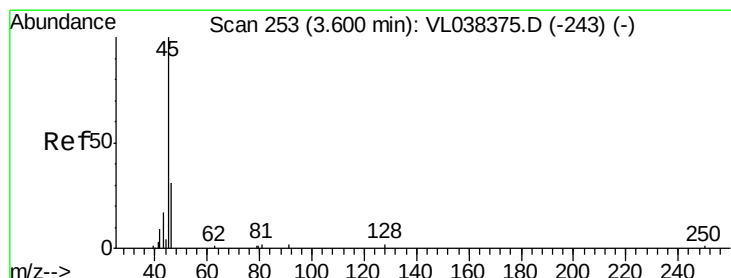
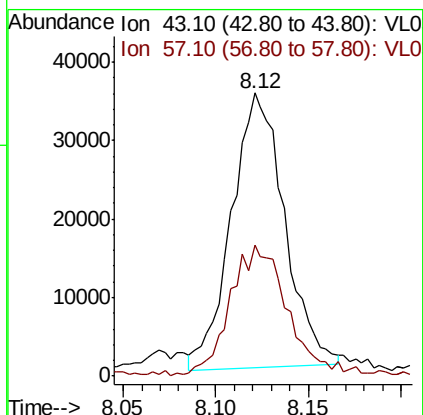
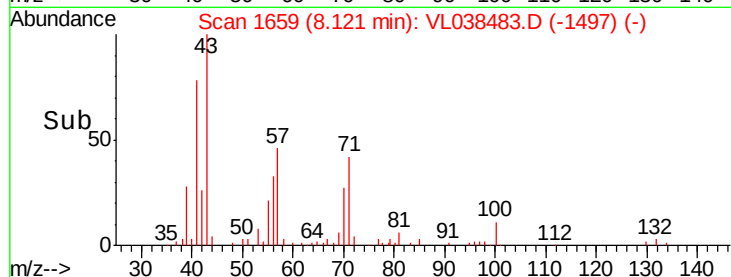
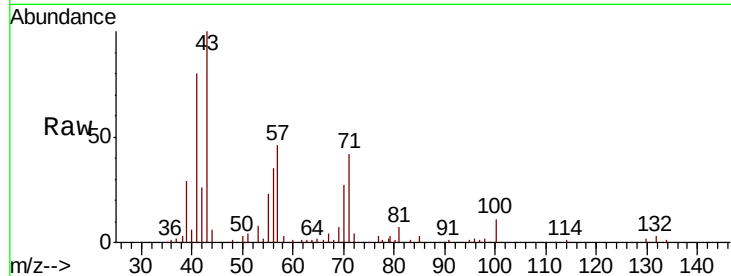


#10
Heptane
Concen: 0.500 ppbv
RT: 8.12
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 15:48

Tot Ion:
Ion Ratio
43 100
57 53.

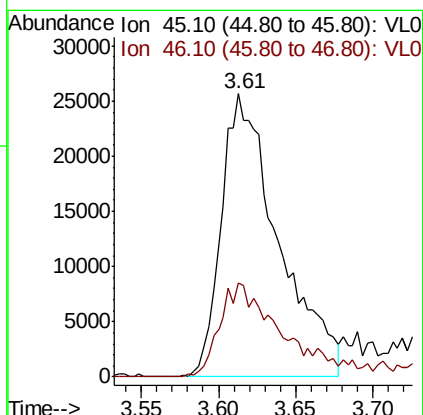
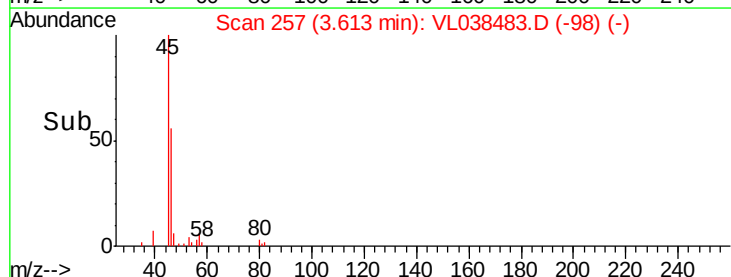
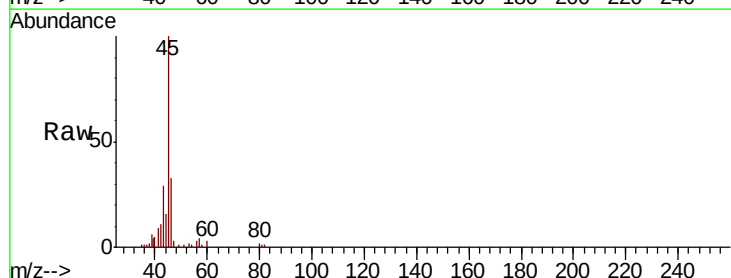
Manual Integrations
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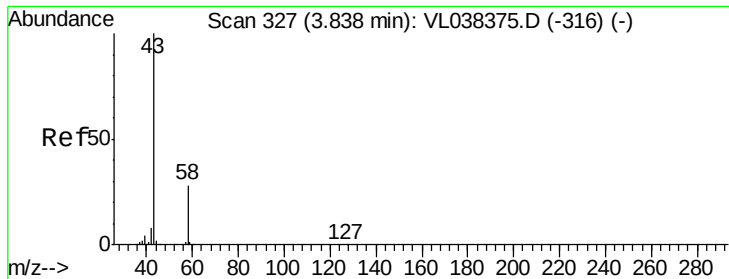
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#13
Ethanol
Concen: 11.465 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion: 45 Resp: 65497
Ion Ratio Lower Upper
45 100
46 36.8 18.2 72.8





#15

Acetone

Concen: 6.569 ppbv m

RT: 3.86

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 15:48

Tot Ion:

Ion Ratio

43 100

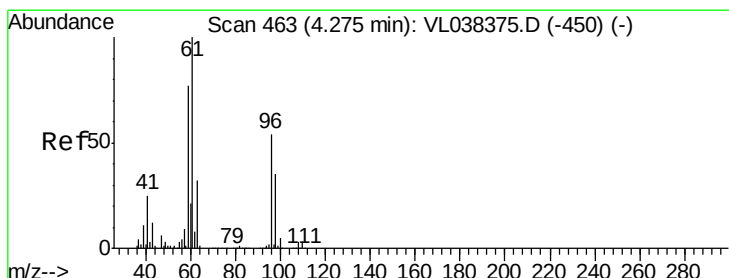
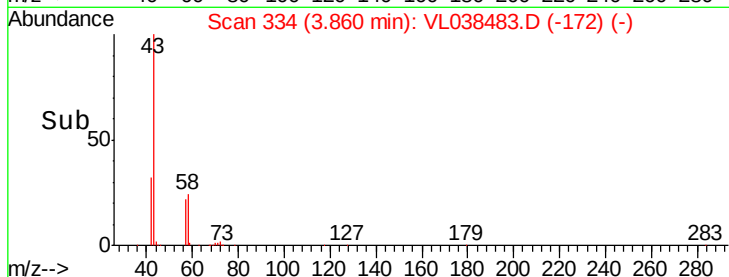
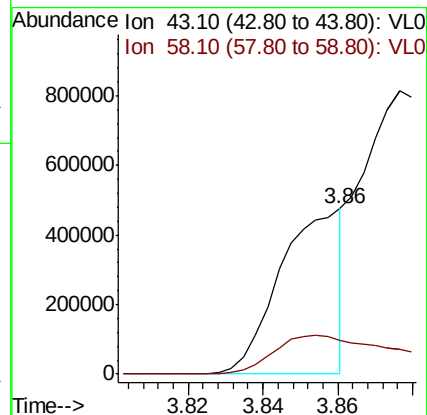
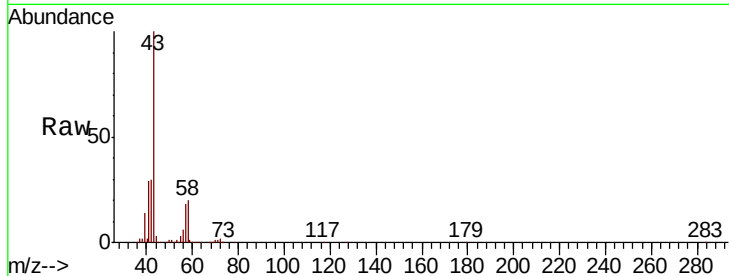
58 55.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#18

1,1-Dichloroethene

Concen: 0.298 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.02 min

Lab File: VL038483.D

Acq: 2 Mar 2022 15:48

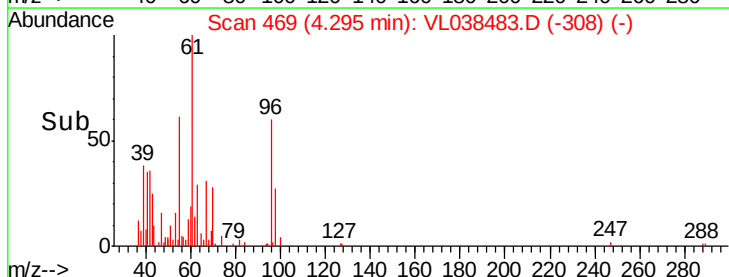
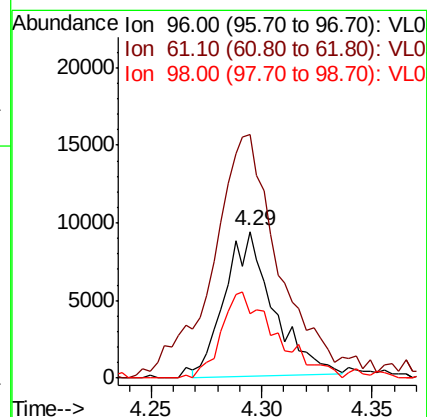
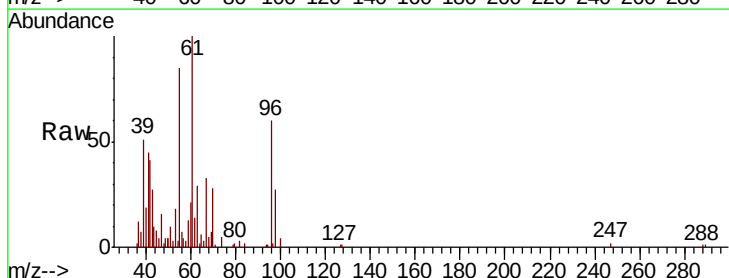
Tgt Ion: 96 Resp: 14265

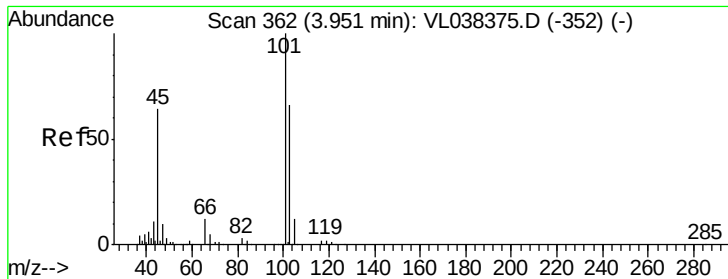
Ion Ratio Lower Upper

96 100

61 158.7 146.8 220.2

98 46.0 51.5 77.3#





#19

Isopropyl Alcohol

Concen: 0.874 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 15:48 SV-02

Tot Ion:

Ion Ratio

45 100

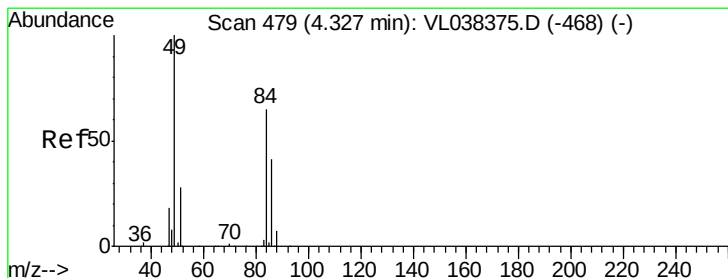
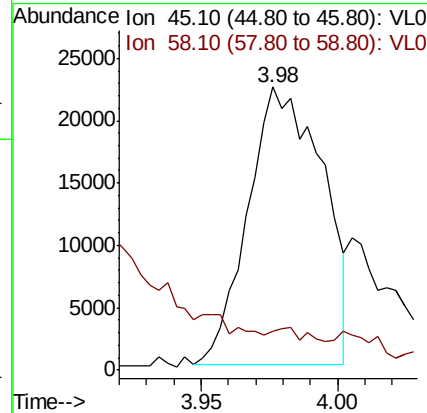
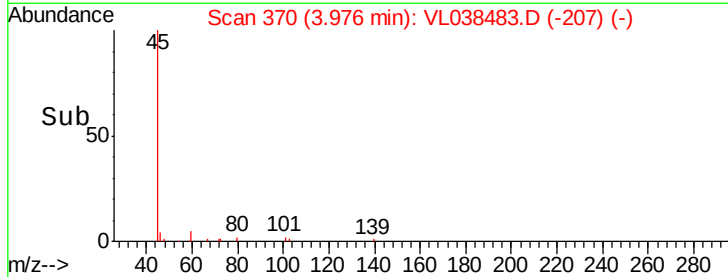
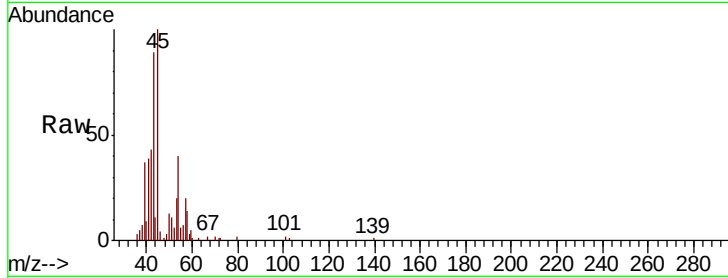
58 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#20

Methylene Chloride

Concen: 0.494 ppbv m

RT: 4.35 min Scan# 487

Delta R.T. 0.03 min

Lab File: VL038483.D

Acq: 2 Mar 2022 15:48

Tgt Ion: 84 Resp: 20434

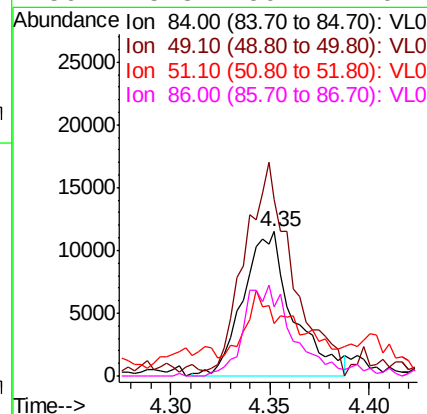
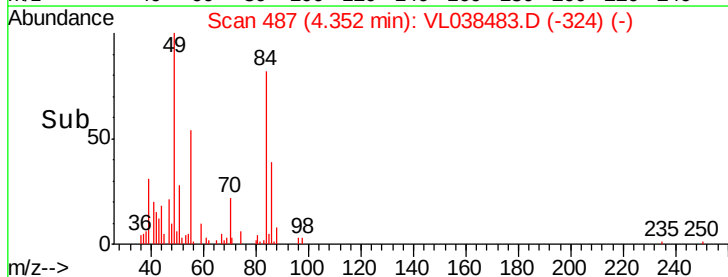
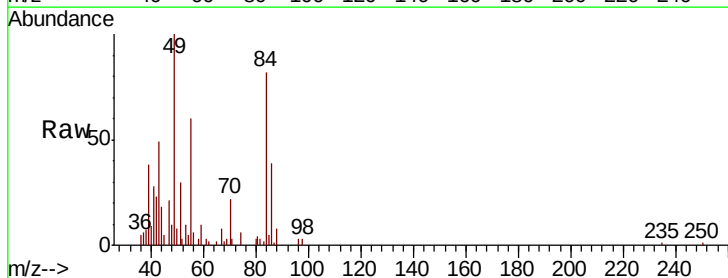
Ion Ratio Lower Upper

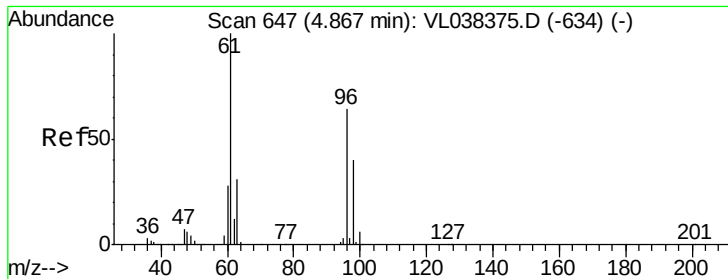
84 100

49 122.5 122.4 183.6

51 36.6 33.3 49.9

86 48.3 50.7 76.1#





#22

trans-1,2-Dichloroethene

Concen: 0.651 ppbv

RT: 4.89

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 15:48

Tot Ion:

Ion Ratio

96 100

61 162.

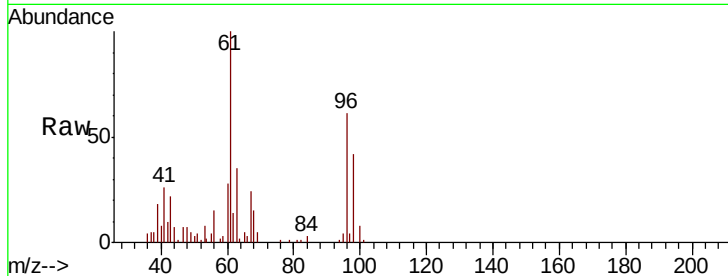
98 67.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

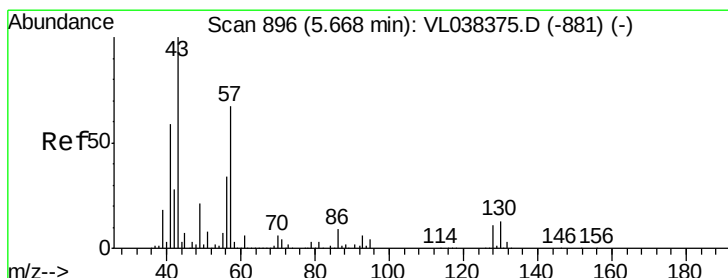
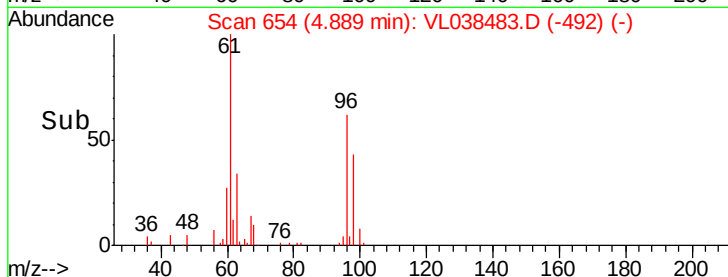
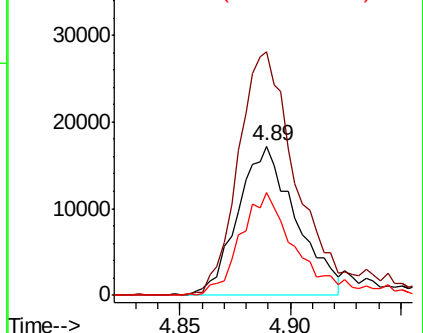
Supervised By :Mahesh Dadoda 03/07/2022



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#26

Hexane

Concen: 1.660 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.02 min

Lab File: VL038483.D

Acq: 2 Mar 2022 15:48

Tgt Ion: 57 Resp: 168656

Ion Ratio Lower Upper

57 100

41 105.5 73.1 109.7

43 107.1 181.0 271.4#

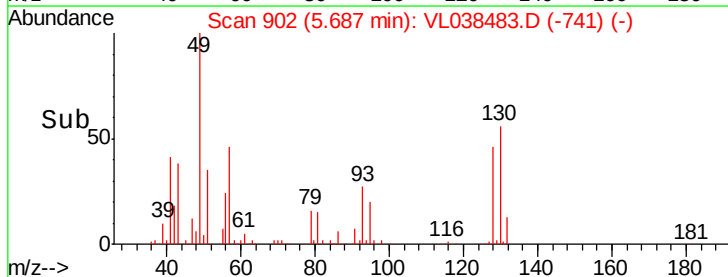
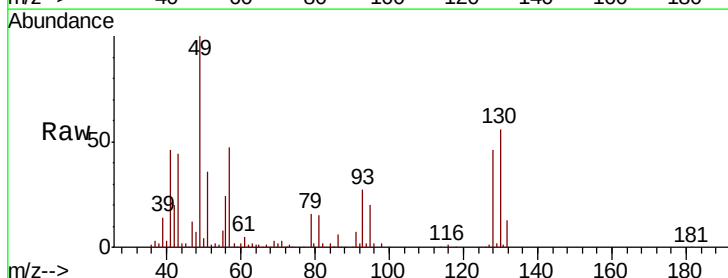
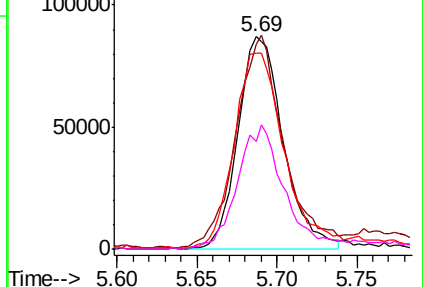
56 65.2 43.4 65.0#

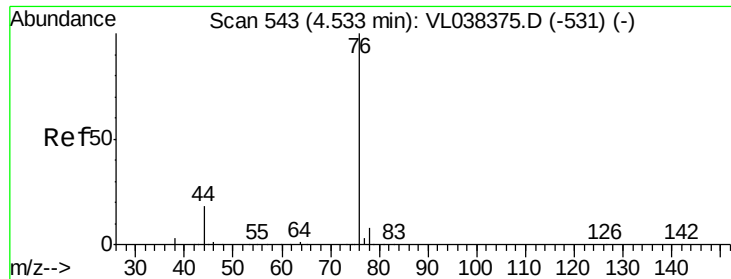
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



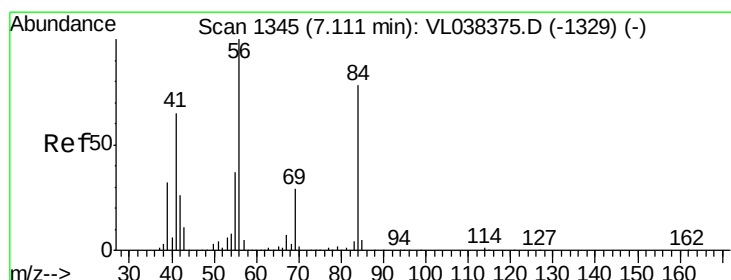
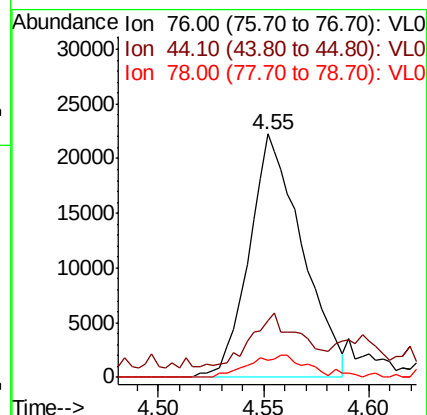
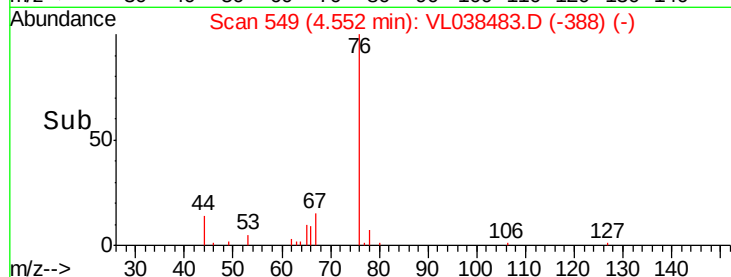
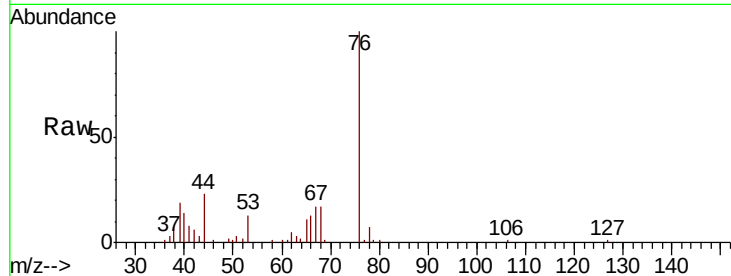


#27
Carbon Disulfide
Concen: 0.342 ppbv
RT: 4.55
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 15:48

Tot Ion:
Ion Ratio
76 100
44 22.
78 10.

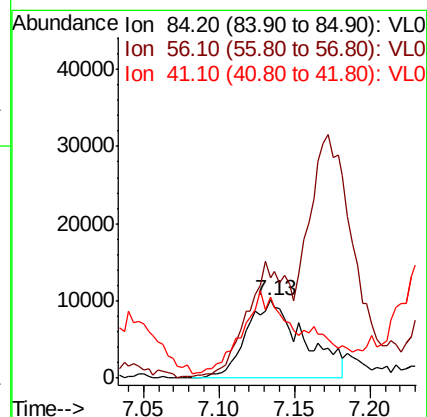
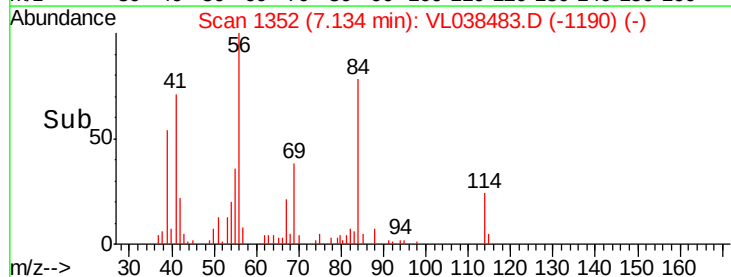
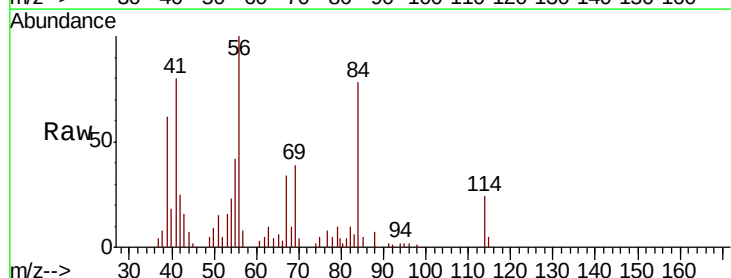
Manual Integrations
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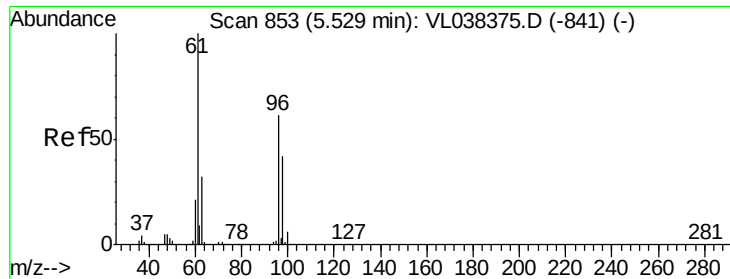
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#30
Cyclohexane
Concen: 0.322 ppbv m
RT: 7.13 min Scan# 1352
Delta R.T. 0.02 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion: 84 Resp: 26764
Ion Ratio Lower Upper
84 100
56 0.0 116.2 174.4#
41 0.0 74.3 111.5#



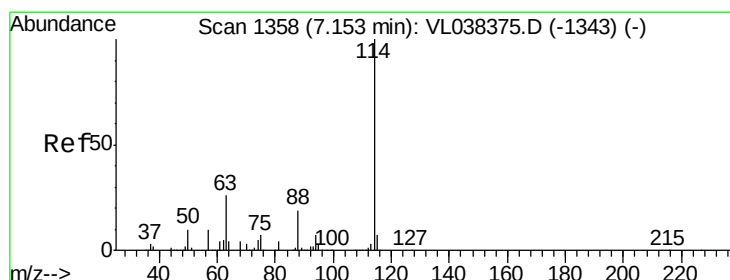
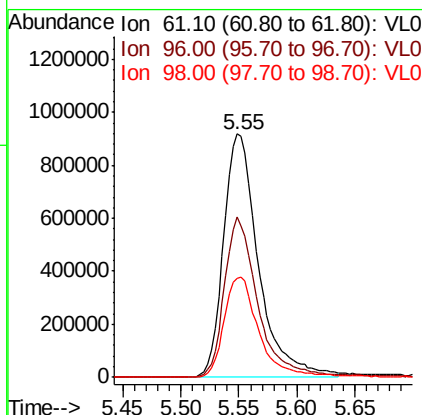
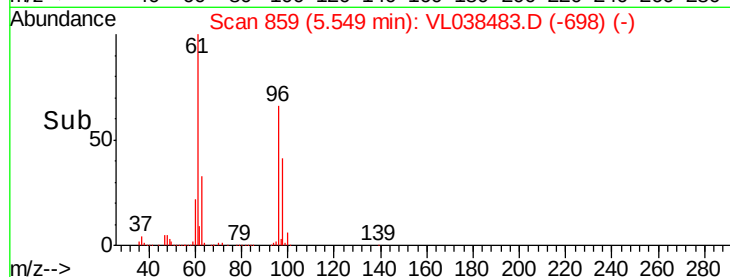
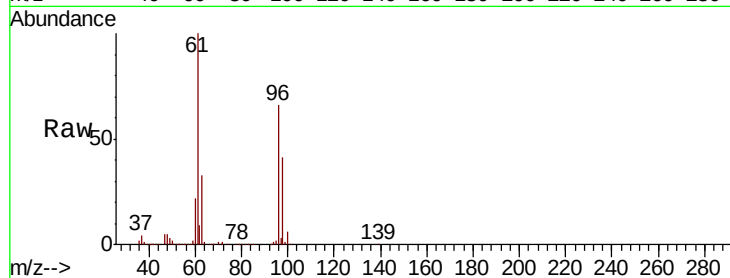


#31
 cis-1,2-Dichloroethene
 Concen: 19.500 ppbv
 RT: 5.55
 Instrument : MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 15:48

Tot Ion:
 Ion Ratio
 61 100
 96 65.
 98 40.

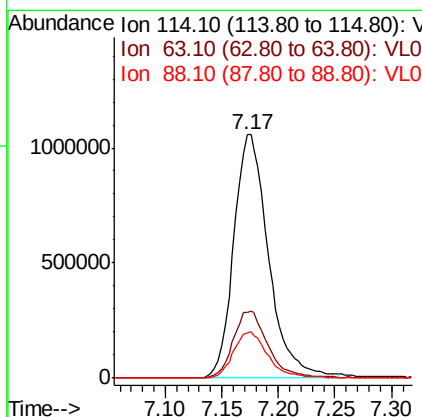
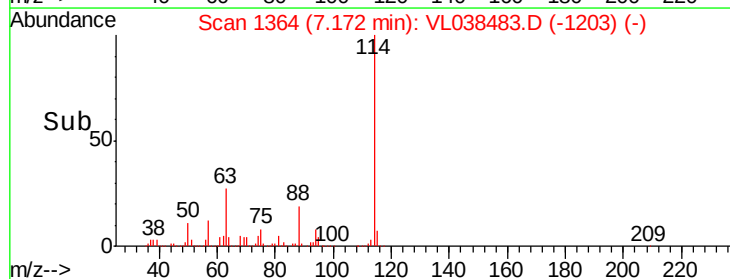
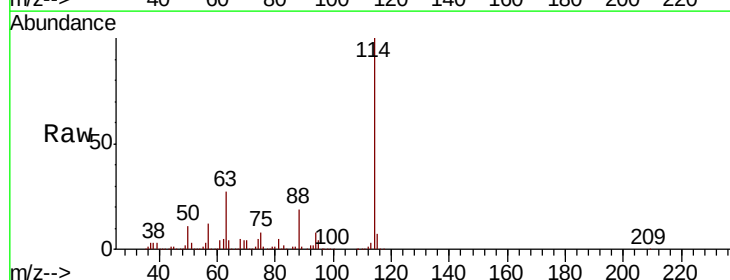
Manual Integrations
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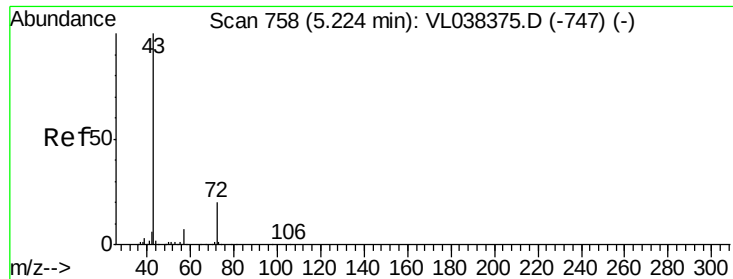
Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.02 min
 Lab File: VL038483.D
 Acq: 2 Mar 2022 15:48

Tgt Ion:114 Resp: 2266940
 Ion Ratio Lower Upper
 114 100
 63 28.0 22.2 33.2
 88 19.1 15.2 22.8



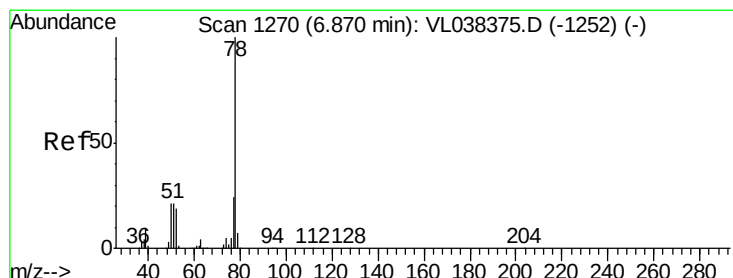
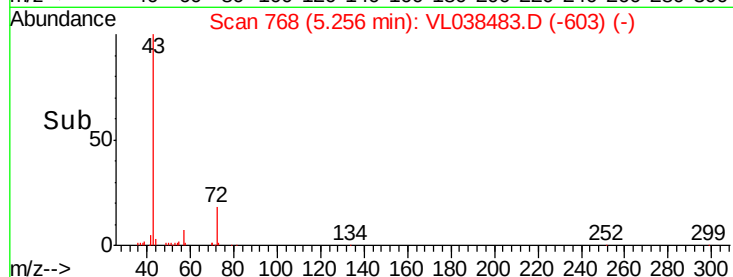
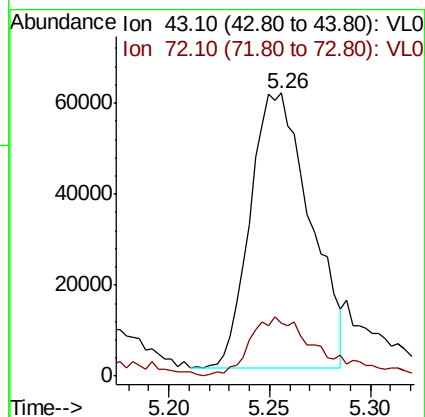
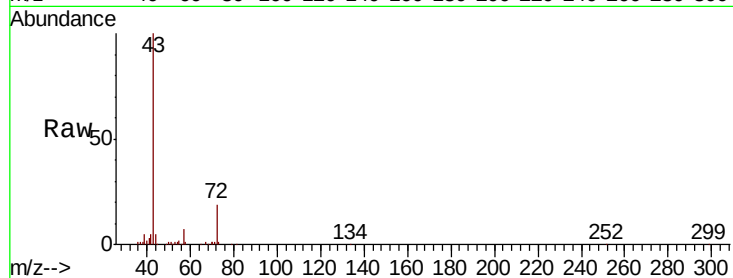


#34
 2-Butanone
 Concen: 1.753 ppbv
 RT: 5.26
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 SV-02
 Acq: 2 Mar 2022 15:48

Tot Ion:
 Ion Ratio
 43 100
 72 26.

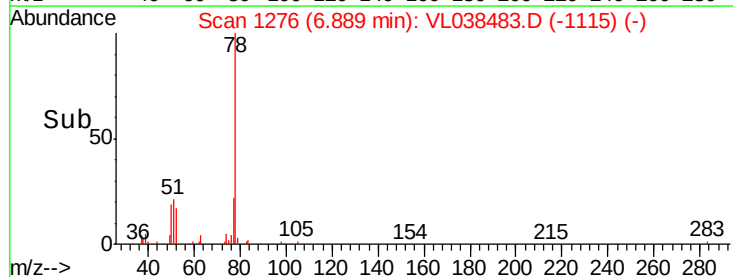
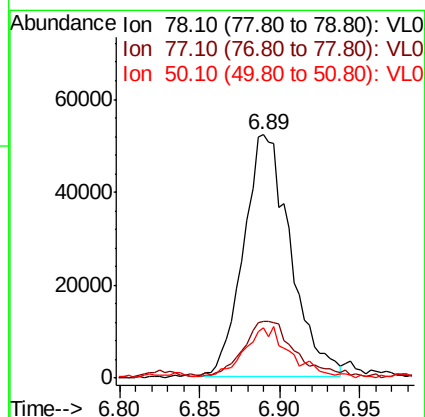
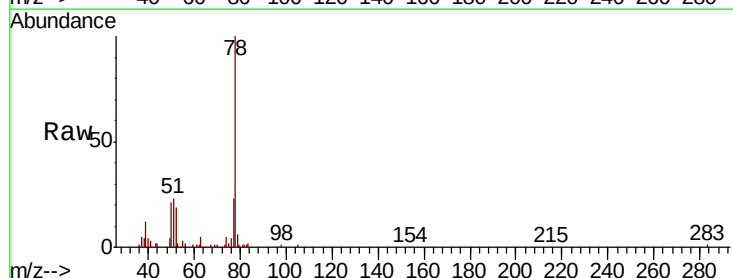
Manual Integrations
 APPROVED

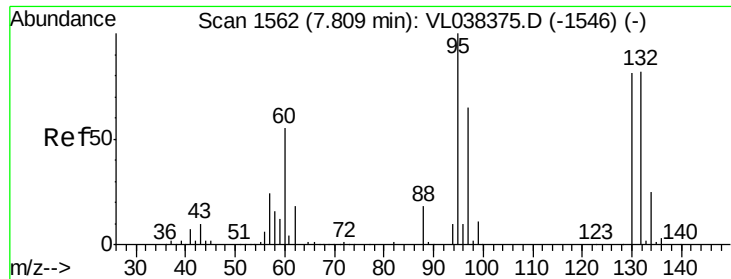
Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#36
 Benzene
 Concen: 0.527 ppbv
 RT: 6.89 min Scan# 1276
 Delta R.T. 0.02 min
 Lab File: VL038483.D
 Acq: 2 Mar 2022 15:48

Tgt Ion: 78 Resp: 105110
 Ion Ratio Lower Upper
 78 100
 77 21.2 19.0 28.6
 50 20.0 16.6 24.8



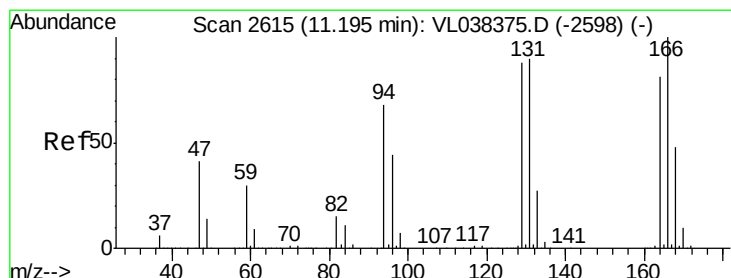
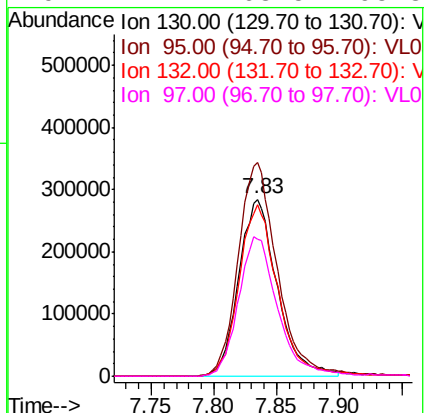
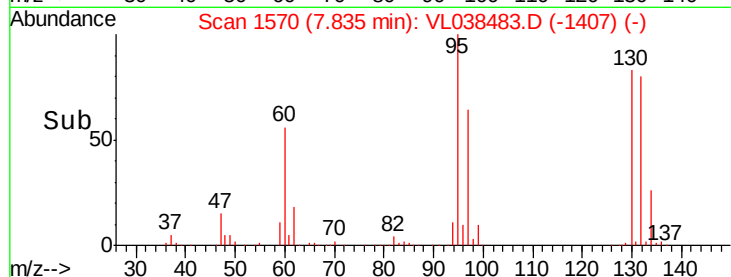
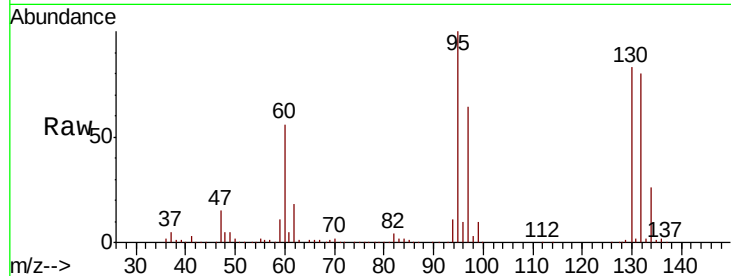


#38
 Trichloroethene
 Concen: 8.362 ppbv
 RT: 7.83
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 15:48

Tot Ion:1
 Ion Ratio
 130 100
 95 120.
 132 97.
 97 77.7 63.5 95.3

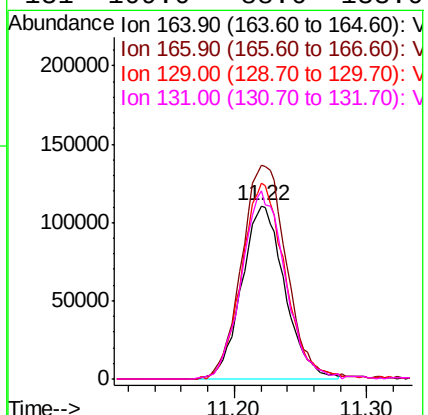
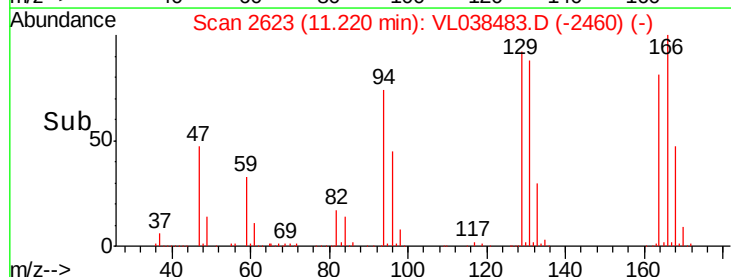
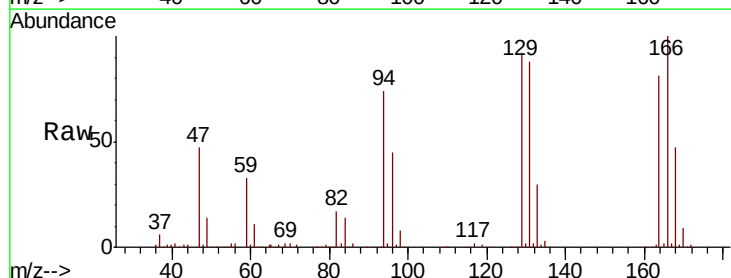
Manual Integrations

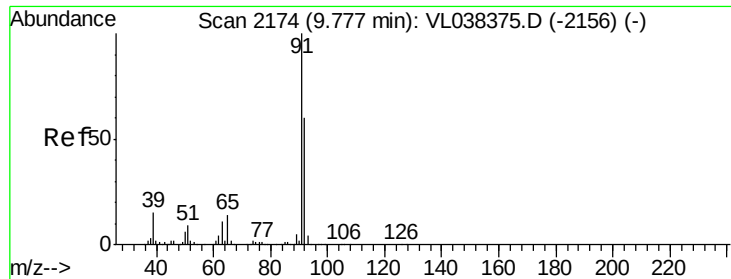
APPROVED
 Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#52
 Tetrachloroethene
 Concen: 3.754 ppbv
 RT: 11.22 min Scan# 2623
 Delta R.T. 0.03 min
 Lab File: VL038483.D
 Acq: 2 Mar 2022 15:48

Tgt Ion:164 Resp: 248700
 Ion Ratio Lower Upper
 164 100
 166 123.3 98.6 148.0
 129 112.7 86.9 130.3
 131 109.0 88.6 133.0



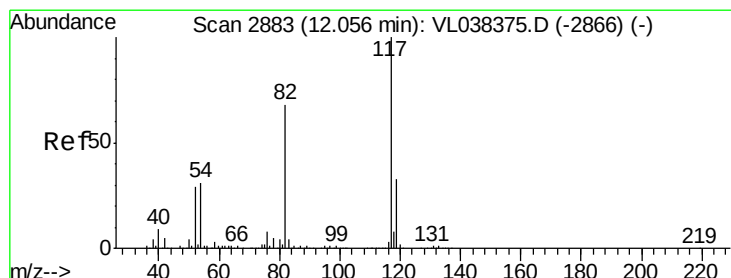
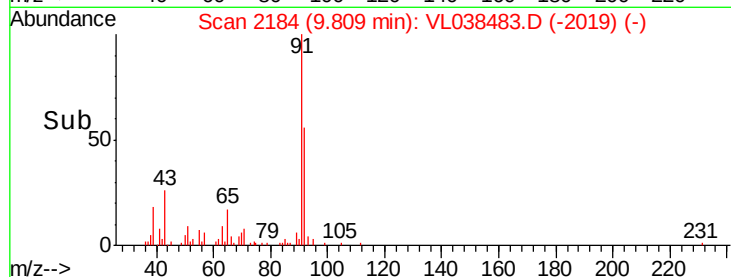
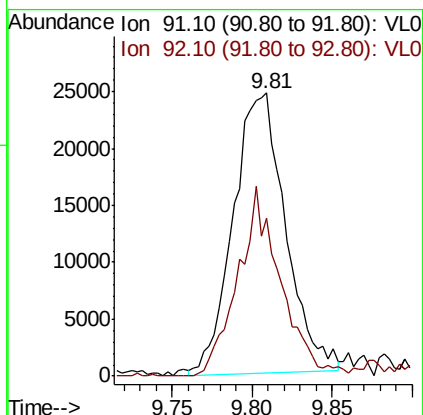
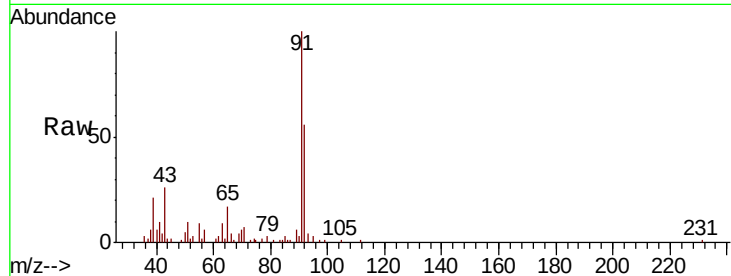


#53
Toluene
Concen: 0.255 ppbv
RT: 9.81 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 2 Mar 2022 15:48

Tot Ion:
Ion Ratio
91 100
92 54.

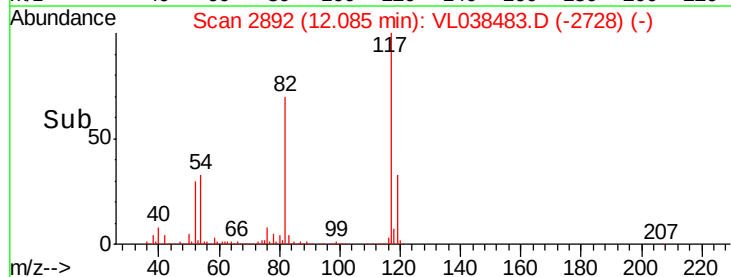
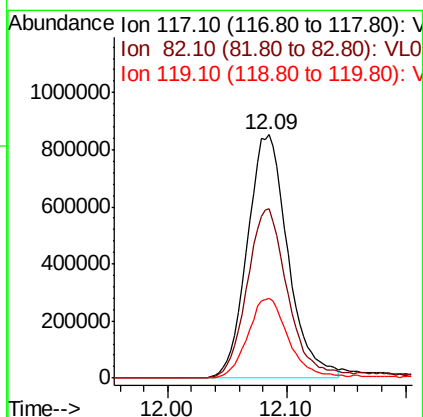
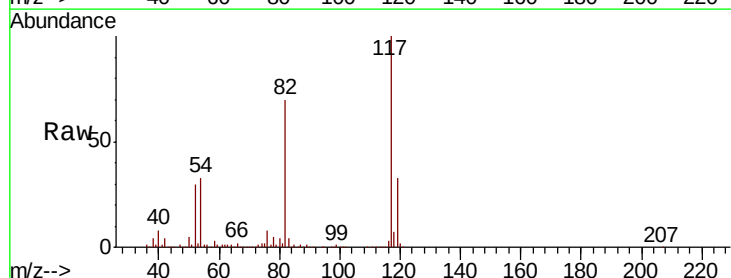
Manual Integrations
APPROVED

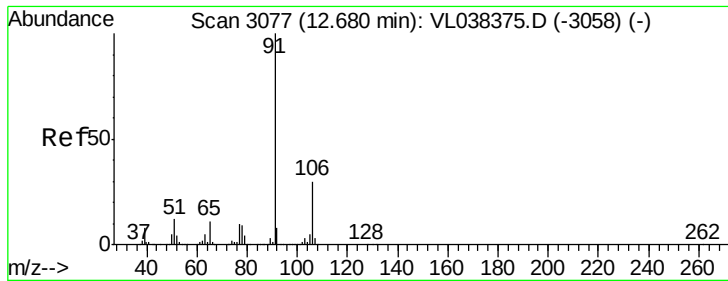
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.03 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion:117 Resp: 2015197
Ion Ratio Lower Upper
117 100
82 74.0 54.9 82.3
119 33.6 46.1 69.1#



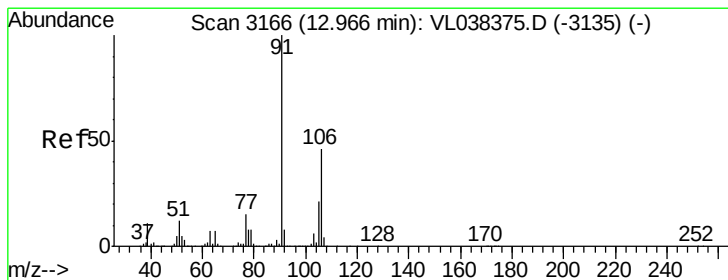
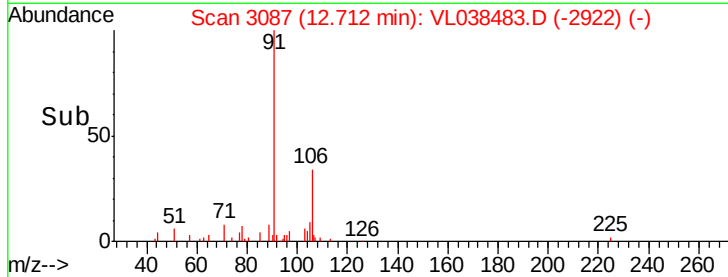
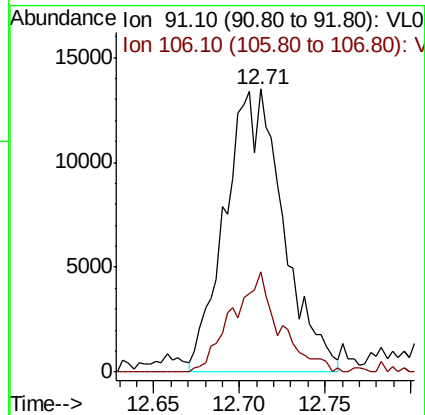
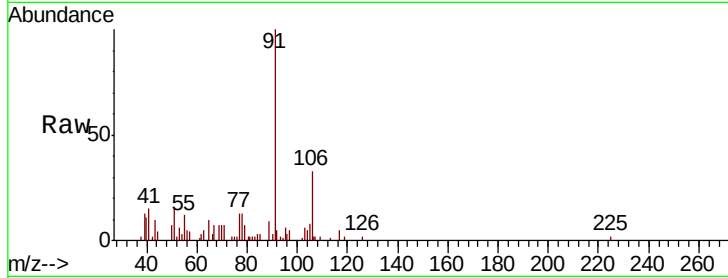


#58
Ethyl Benzene
Concen: 0.116 ppbv m
RT: 12.71 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 15:48

Tot Ion:
Ion Ratio
91 100
106 32.

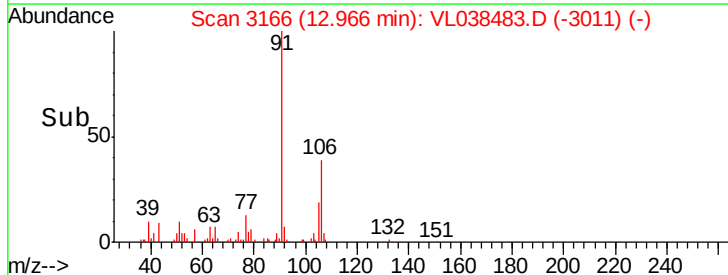
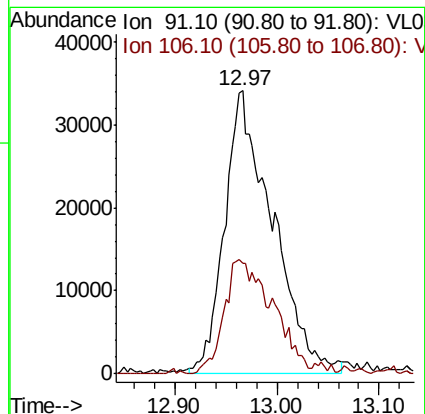
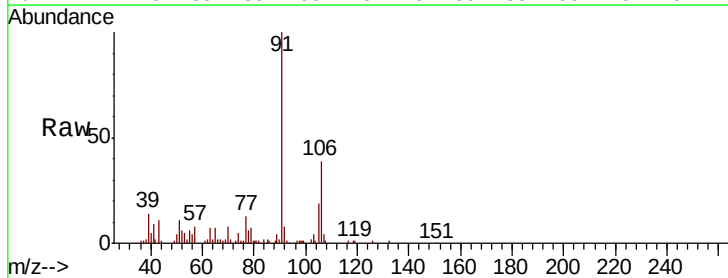
Manual Integrations
APPROVED

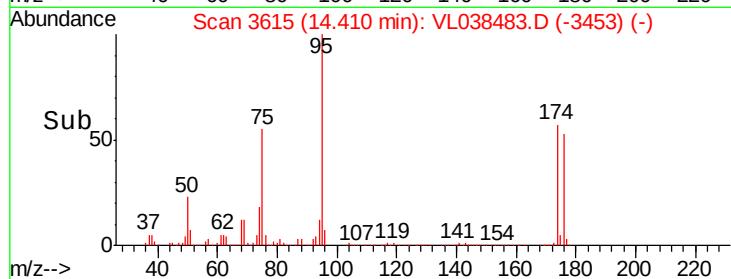
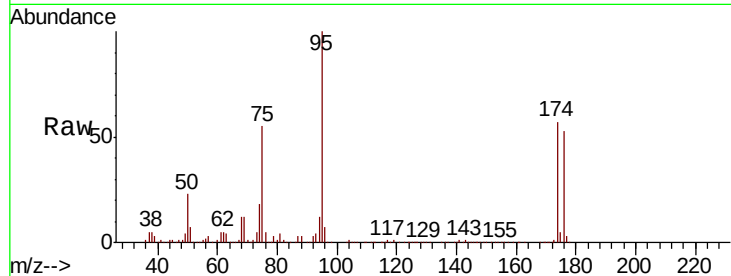
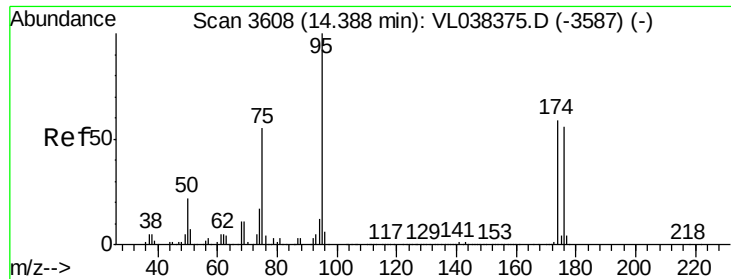
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#59
m/p-Xylene
Concen: 0.468 ppbv m
RT: 12.97 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion: 91 Resp: 110727
Ion Ratio Lower Upper
91 100
106 0.0 34.4 51.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.143 ppbv

RT: 14.41

Delta R.T

Lab File: ClientSampleId :

Acq: 2 Mar 2022 15:48

Tot Ion:

Ion Ratio

95 100

174 60.

175 4.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022

