

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036498.D
 Acq On : 25 Mar 2021 22:47
 Operator : SY/AP
 Sample : M1748-33
 Misc : 400ml/MSVOA L
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 GOI-SG-1(2021)

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/28/2021
 Supervised By :Mahesh Dadoda 03/29/2021

Quant Time: Mar 28 23:38:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1535331	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3531490	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3129242	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2470246	9.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	58620m	0.234	ppbv	
3) Chlorodifluoromethane	2.98	51	82387	0.287	ppbv #	91
4) Chloromethane	3.14	50	25825m	0.255	ppbv	
9) Propene	3.02	41	131425	1.437	ppbv #	71
11) Trichlorofluoromethane	3.95	101	52776m	0.207	ppbv	
13) Ethanol	3.62	45	500232m	45.935	ppbv	
15) Acetone	3.85	43	2299634	15.218	ppbv	99
19) Isopropyl Alcohol	3.99	45	78640m	0.946	ppbv	
20) Methylene Chloride	4.34	84	1616154	22.843	ppbv	91
26) Hexane	5.69	57	2025833	12.151	ppbv #	47
34) 2-Butanone	5.25	43	129756	0.753	ppbv	97
35) Carbon Tetrachloride	7.02	117	10518m	0.039	ppbv	
36) Benzene	6.90	78	37189m	0.114	ppbv	
52) Tetrachloroethene	11.23	164	16536m	0.138	ppbv	
53) Toluene	9.82	91	96851m	0.279	ppbv	
59) m/p-Xylene	12.97	91	45257m	0.114	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	51797m	0.123	ppbv	

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

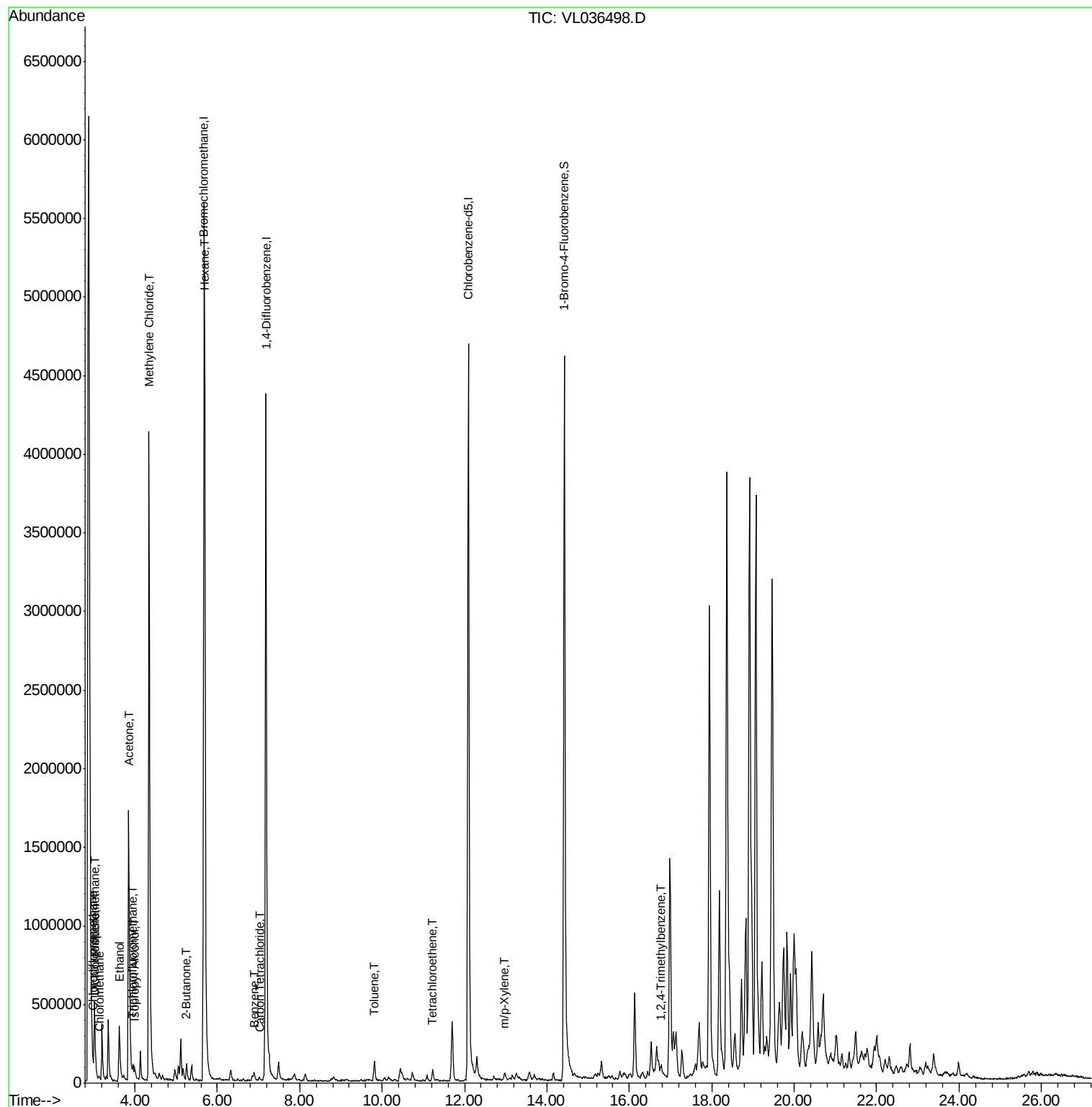
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Data File : VL036498.D
Acq On : 25 Mar 2021 22:47
Operator : SY/AP
Sample : M1748-33
Misc : 400ml/MSVOA L
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
GOI-SG-1(2021)

Quant Time: Mar 28 23:38:04 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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Supervised By :Mahesh Dadoda 03/29/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. -

Lab File: ClientSampleId:

Acq: 25 Mar 2021 22:47

Tot Ion:

Ion Ratio

49 100

128 44.

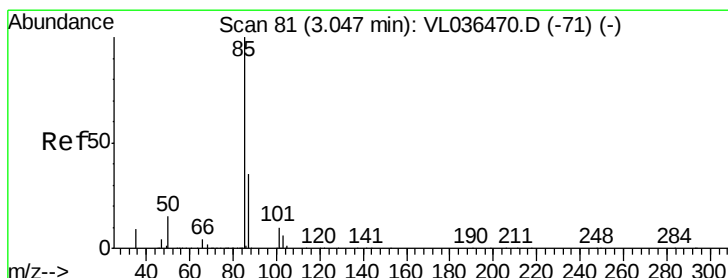
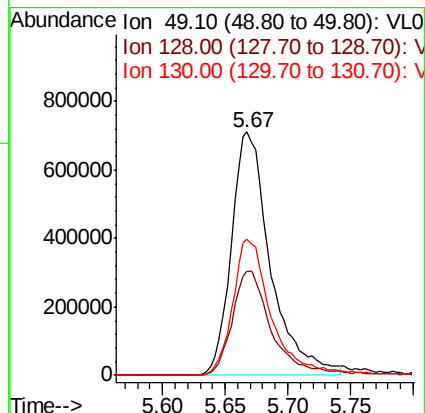
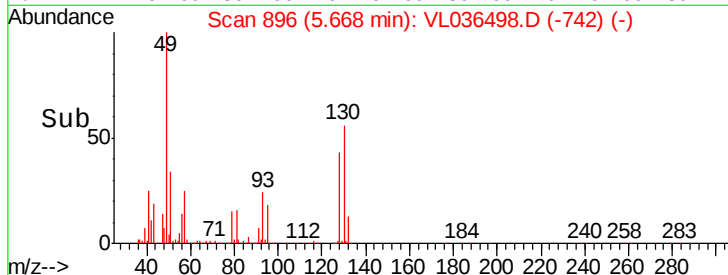
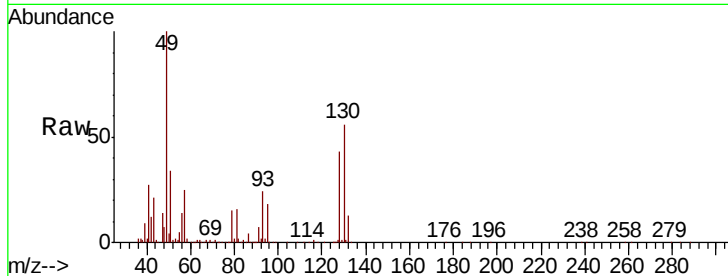
130 56.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



#2

Dichlorodifluoromethane

Concen: 0.234 ppbv m

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL036498.D

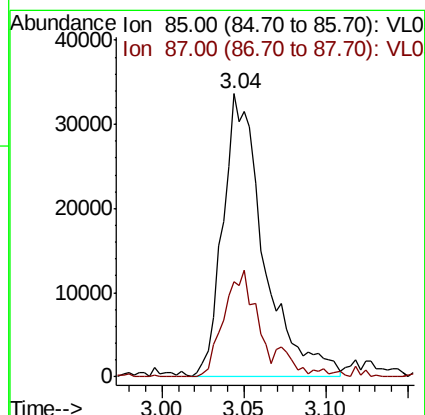
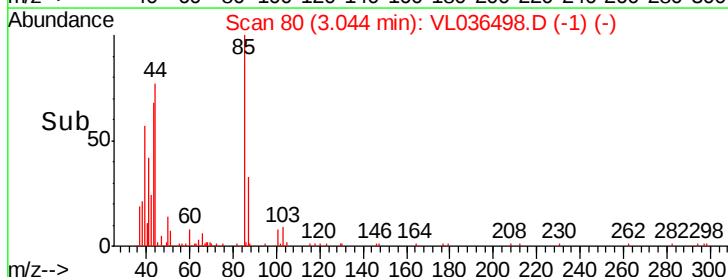
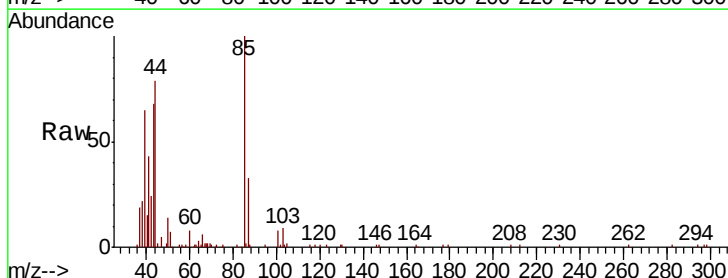
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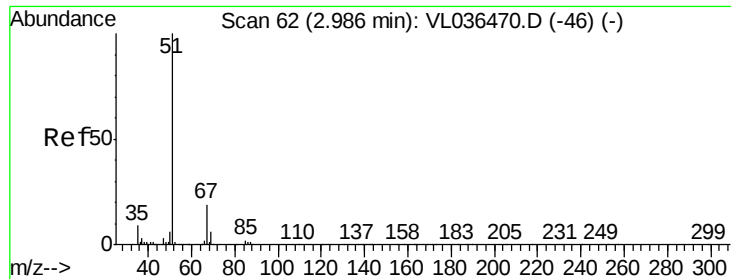
Tgt Ion: 85 Resp: 58620

Ion Ratio Lower Upper

85 100

87 33.5 27.8 41.8





#3

Chlorodifluoromethane

Concen: 0.287 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 22:47

Tot Ion:

Ion Ratio

51 100

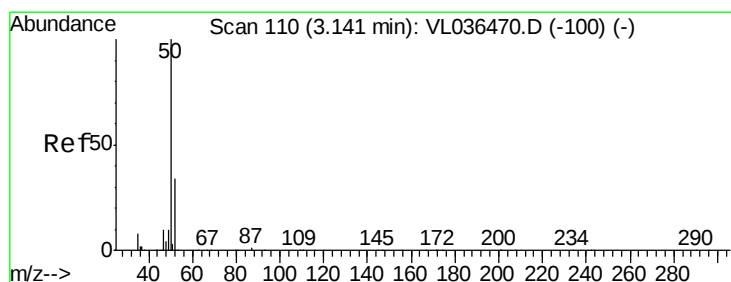
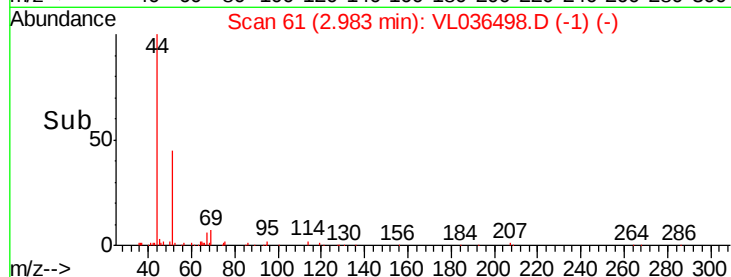
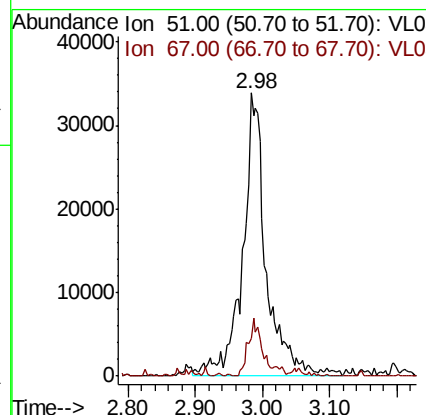
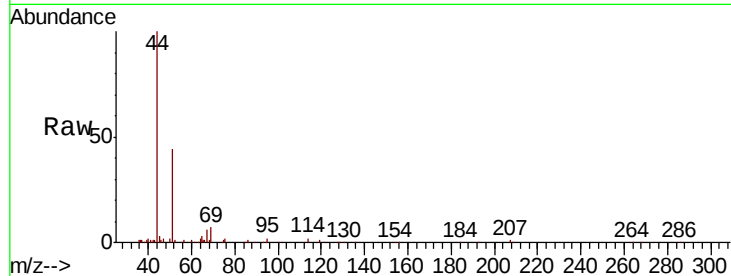
67 14.

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Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



#4

Chloromethane

Concen: 0.255 ppbv m

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL036498.D

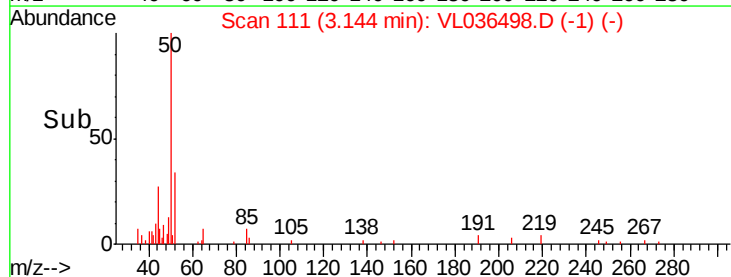
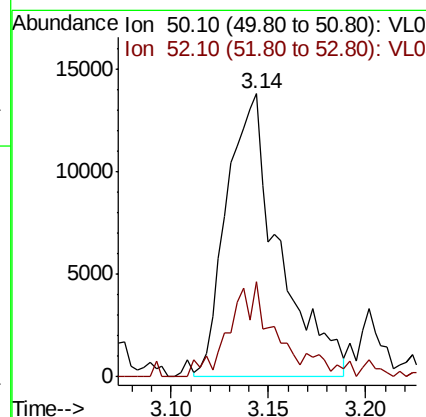
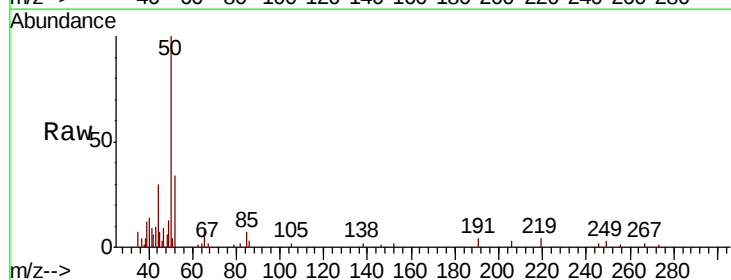
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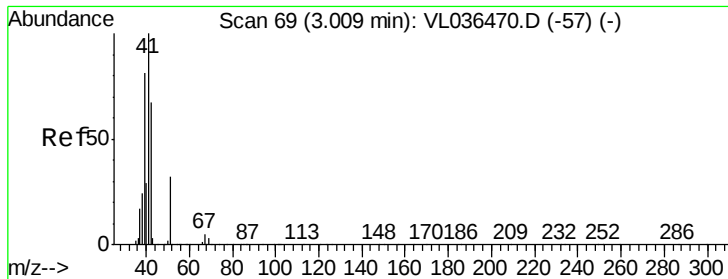
Tgt Ion: 50 Resp: 25825

Ion Ratio Lower Upper

50 100

52 33.7 27.0 40.6



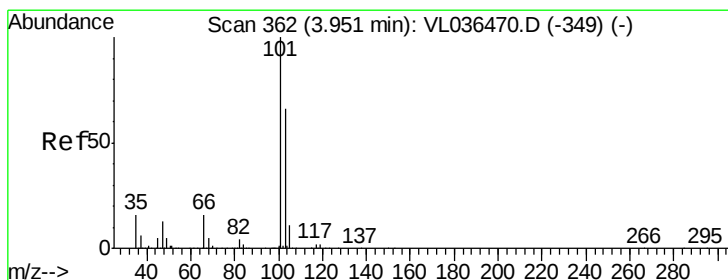
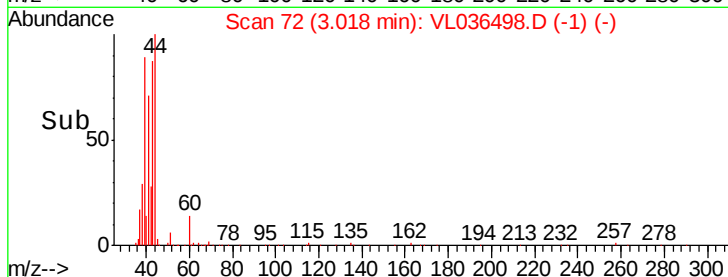
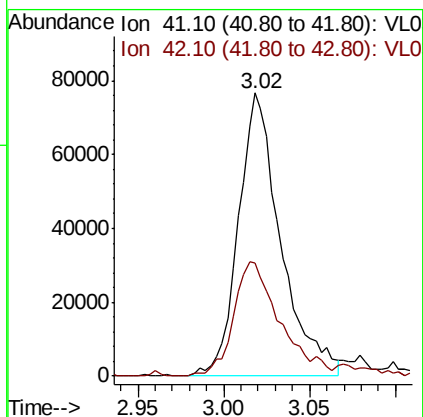
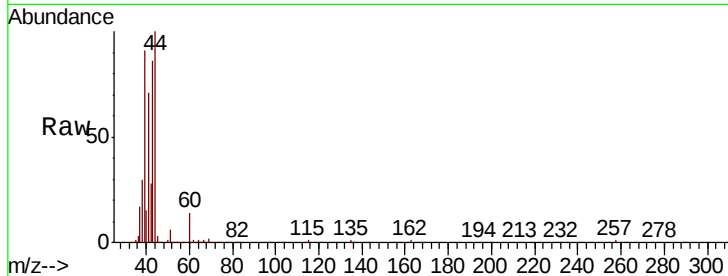


#9
 Propene
 Concen: 1.437 ppbv
 RT: 3.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 22:47

Tot Ion:
 Ion Ratio
 41 100
 42 46.

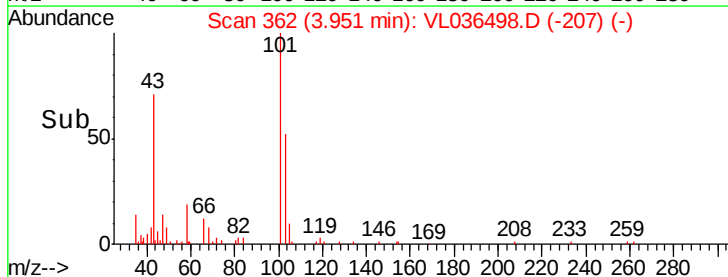
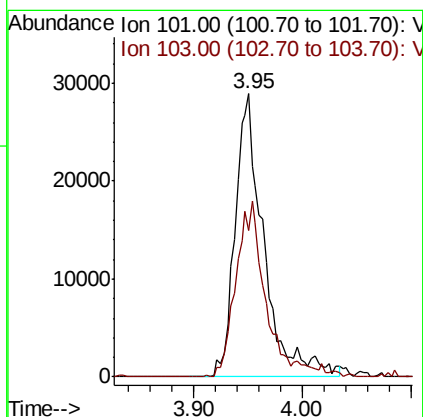
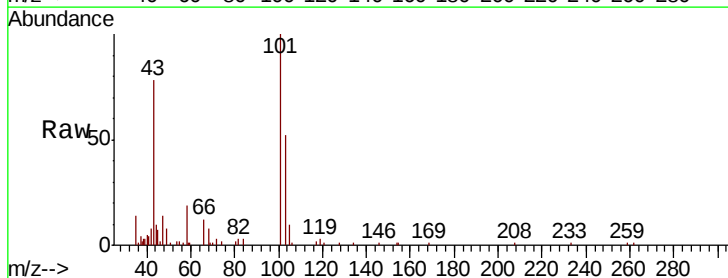
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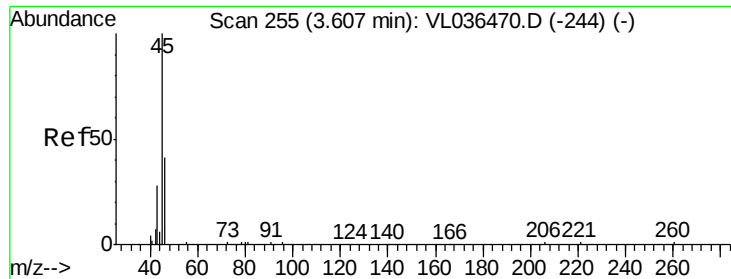
Reviewed By :Semsettin Yesilyurt 03/28/2021
 Supervised By :Mahesh Dadoda 03/29/2021



#11
 Trichlorofluoromethane
 Concen: 0.207 ppbv m
 RT: 3.95 min Scan# 362
 Delta R.T. -0.00 min
 Lab File: VL036498.D
 Acq: 25 Mar 2021 22:47

Tgt Ion:101 Resp: 52776
 Ion Ratio Lower Upper
 101 100
 103 51.6 52.5 78.7#



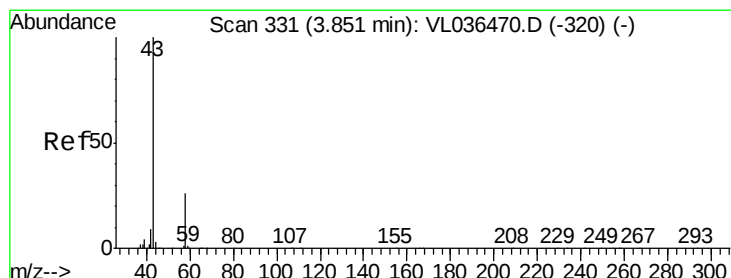
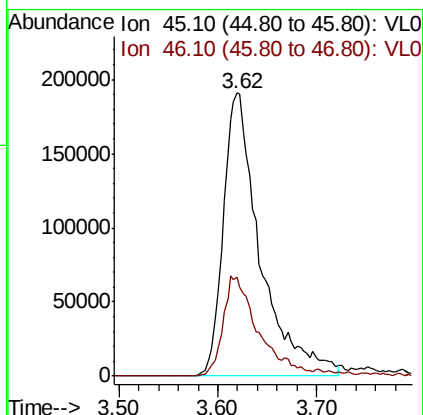
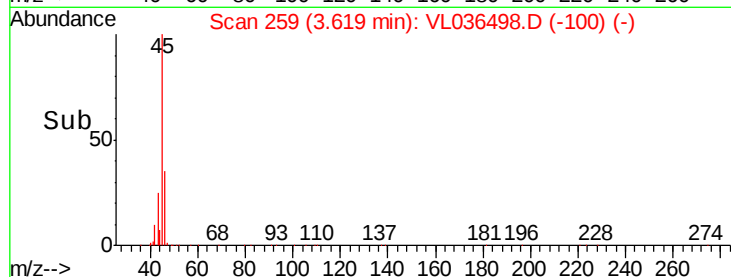
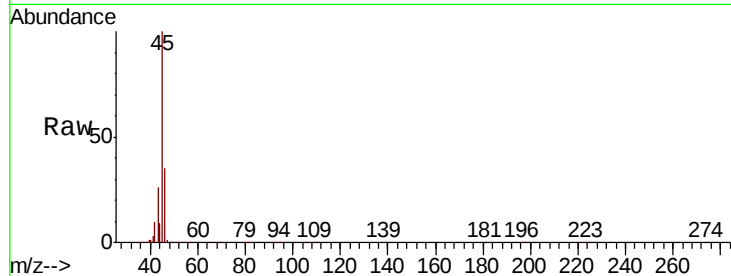


#13
Ethanol
Concen: 45.935 ppbv m
RT: 3.62
Instrument : MSVOA_L
Delta R.T. :
Lab File: ClientSampleId :
Acq: 25 Mar 2021 22:47

Tot Ion:
Ion Ratio
45 100
46 36.

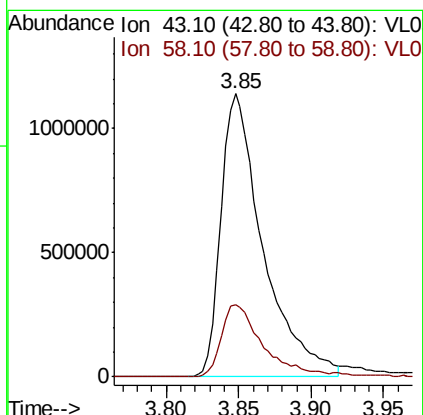
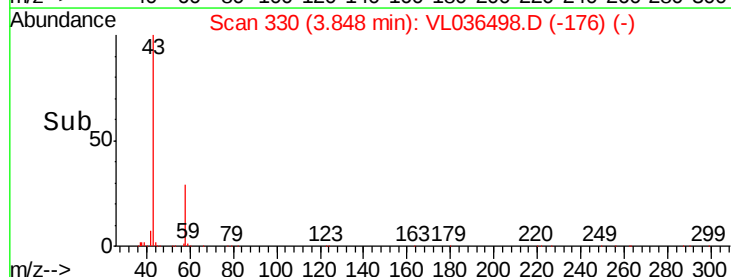
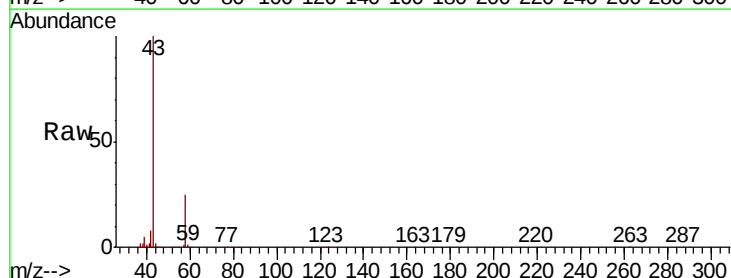
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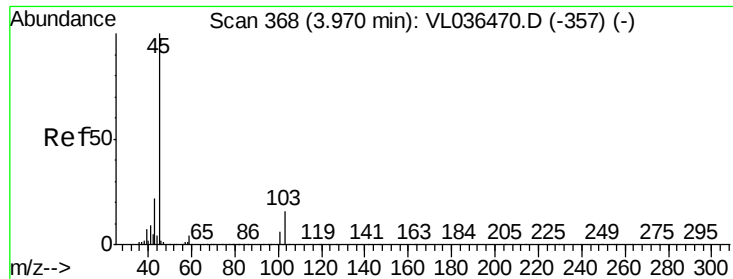
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#15
Acetone
Concen: 15.218 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL036498.D
Acq: 25 Mar 2021 22:47

Tgt Ion: 43 Resp: 2299634
Ion Ratio Lower Upper
43 100
58 26.0 21.2 31.8





#19

Isopropyl Alcohol

Concen: 0.946 ppbv m

RT: 3.99 Instrument: MSVOA_1

Delta R.T. -0.00

Lab File: ClientSampleId :

Acq: 25 Mar 2021 22:47

Tot Ion:

Ion Ratio

45 100

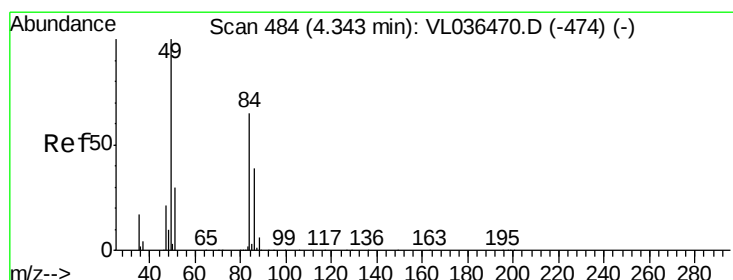
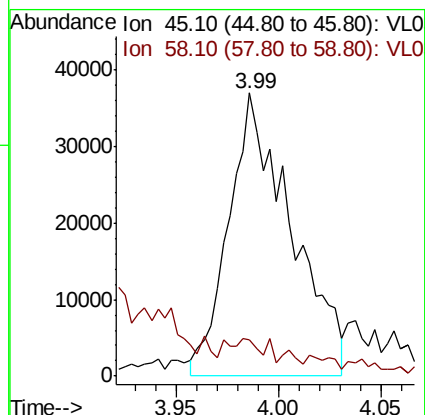
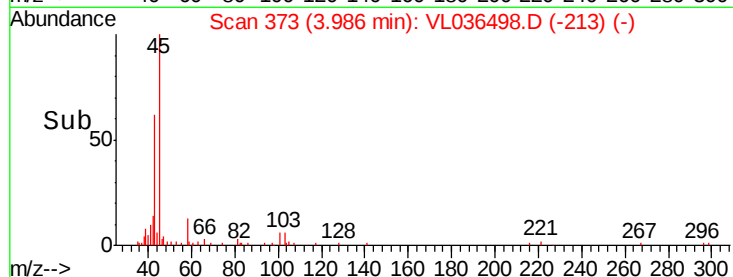
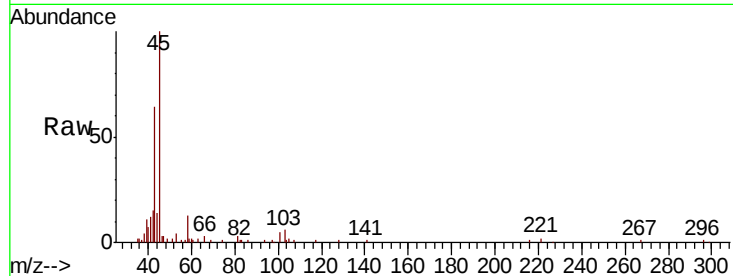
58 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



#20

Methylene Chloride

Concen: 22.843 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL036498.D

Acq: 25 Mar 2021 22:47

Tgt Ion: 84 Resp: 1616154

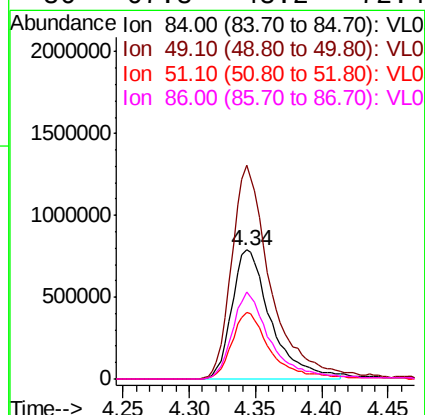
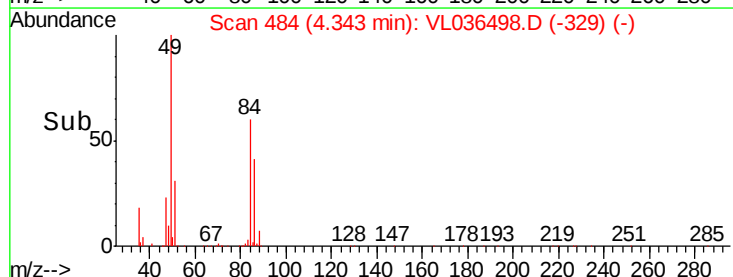
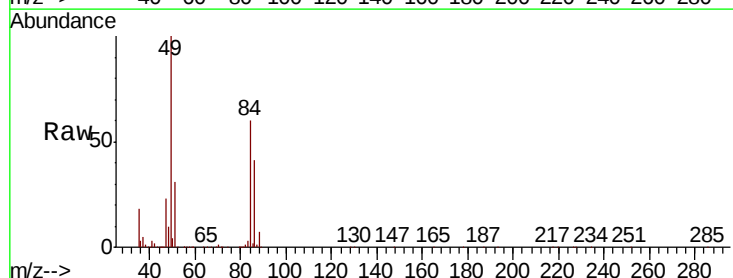
Ion Ratio Lower Upper

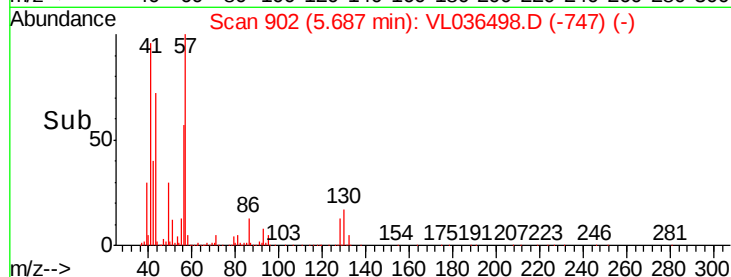
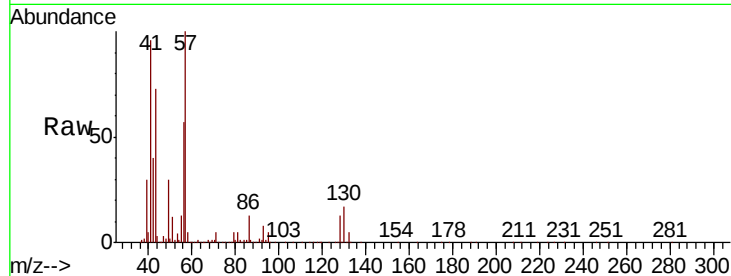
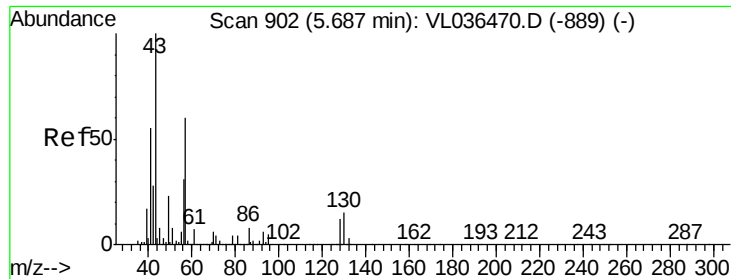
84 100

49 165.3 122.9 184.3

51 51.7 36.9 55.3

86 67.8 48.2 72.4



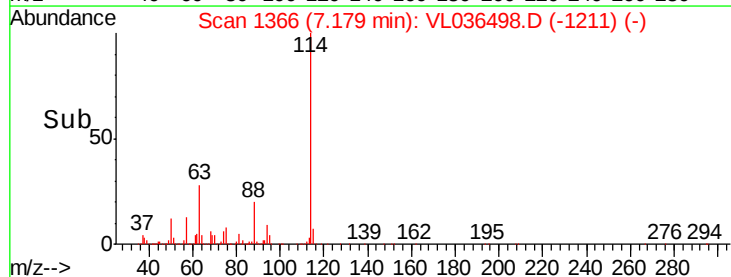
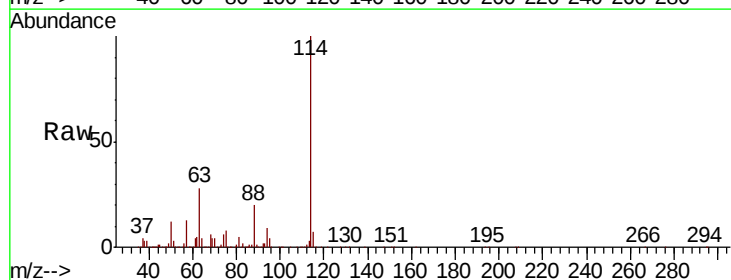
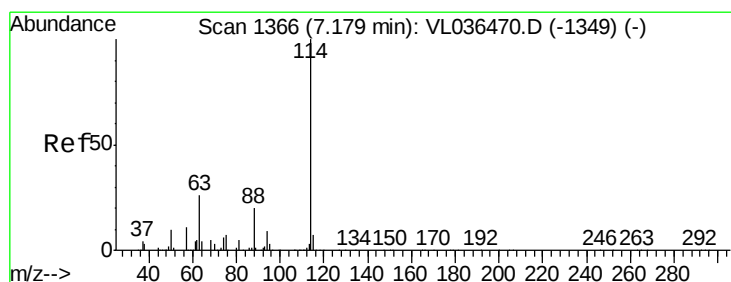
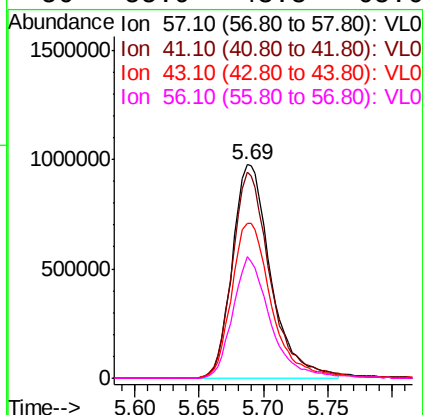


#26
Hexane
Concen: 12.151 ppbv
RT: 5.69
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Mar 2021 22:47

Tot Ion:
Ion Ratio
57 100
41 97.
43 76.
56 55.9 43.8 65.6

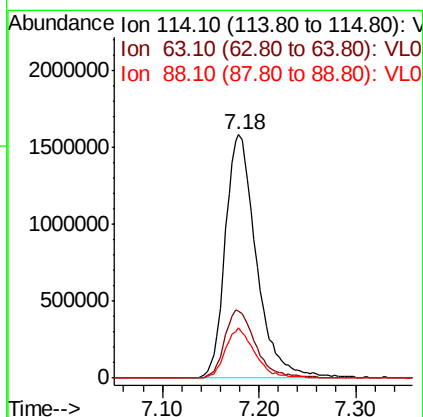
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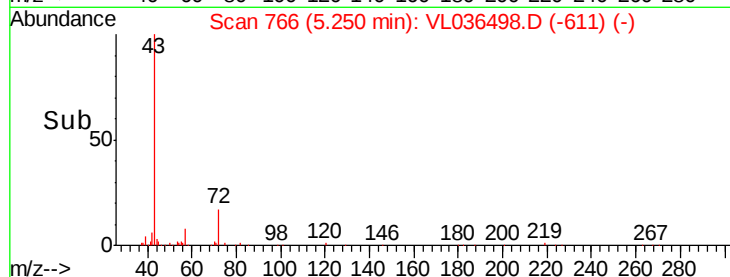
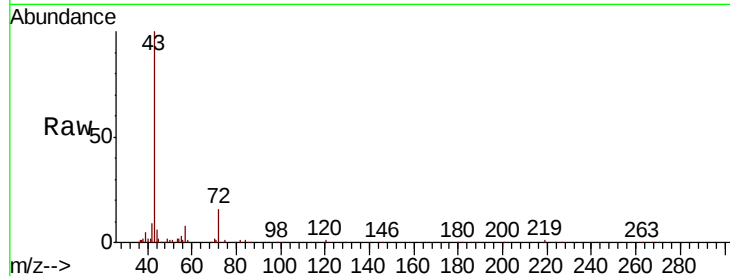
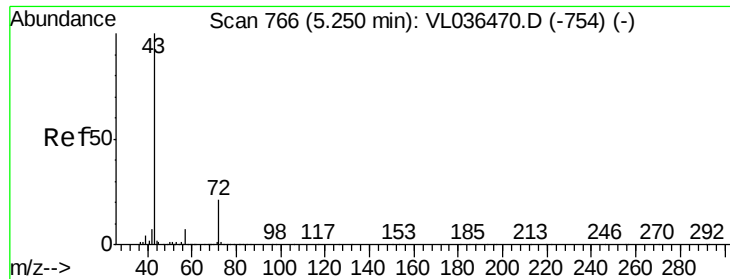
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VL036498.D
Acq: 25 Mar 2021 22:47

Tgt Ion:114 Resp: 3531490
Ion Ratio Lower Upper
114 100
63 28.2 22.4 33.6
88 19.7 15.4 23.0



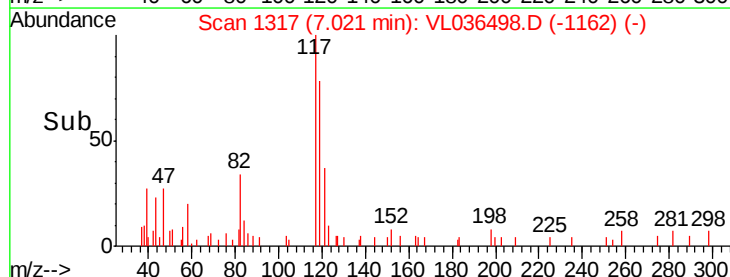
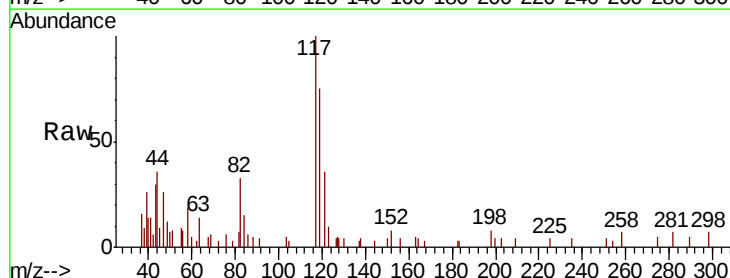
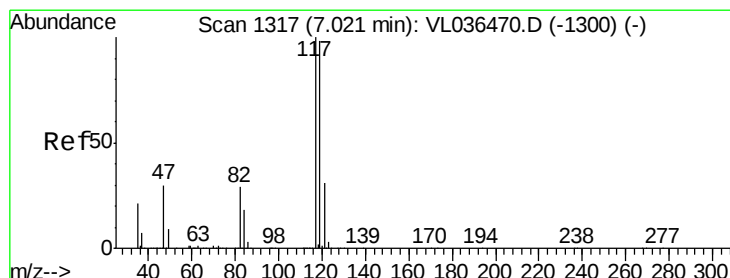
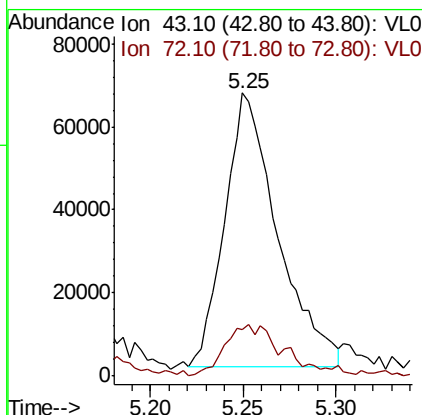


#34
2-Butanone
Concen: 0.753 ppbv
RT: 5.25
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 22:47

Tot Ion:
Ion Ratio
43 100
72 22.

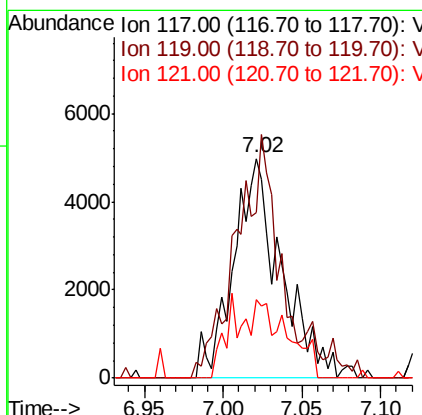
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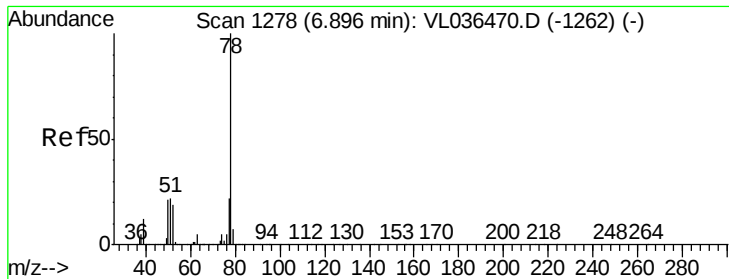
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#35
Carbon Tetrachloride
Concen: 0.039 ppbv m
RT: 7.02 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VL036498.D
Acq: 25 Mar 2021 22:47

Tgt Ion:117 Resp: 10518
Ion Ratio Lower Upper
117 100
119 75.2 78.2 117.2#
121 35.8 24.5 36.7





#36

Benzene

Concen: 0.114 ppbv m

RT: 6.90 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 22:47

Tot Ion:

Ion Ratio

78 100

77 15.

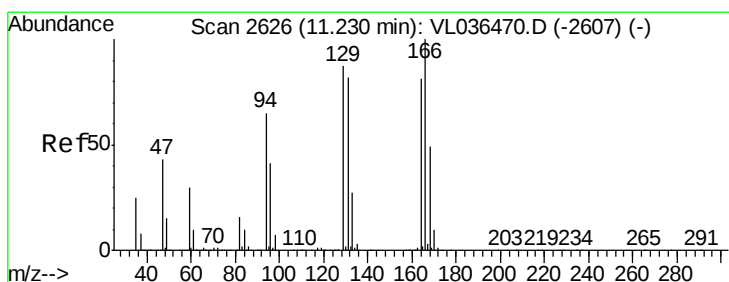
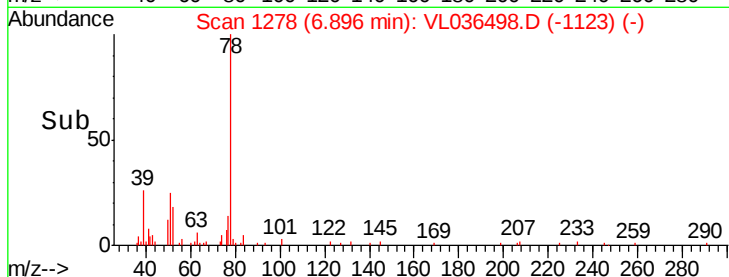
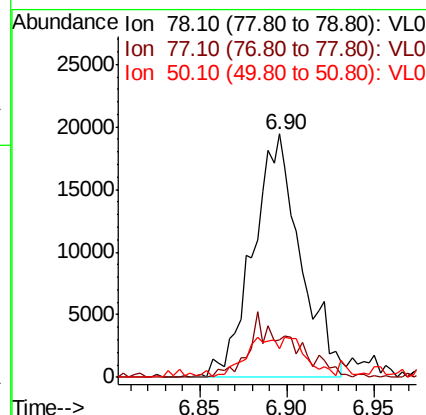
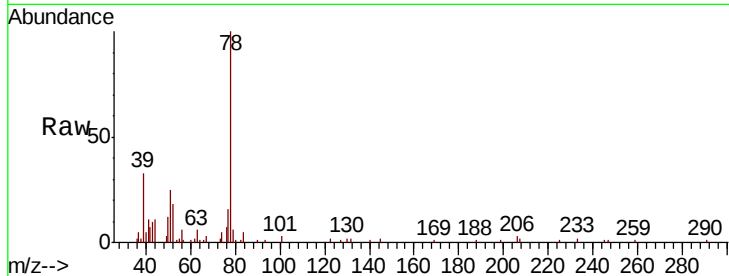
50 11.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



#52

Tetrachloroethene

Concen: 0.138 ppbv m

RT: 11.23 min Scan# 2626

Delta R.T. -0.00 min

Lab File: VL036498.D

Acq: 25 Mar 2021 22:47

Tgt Ion:164 Resp: 16536

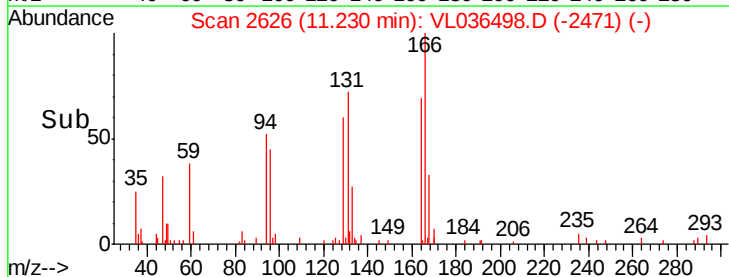
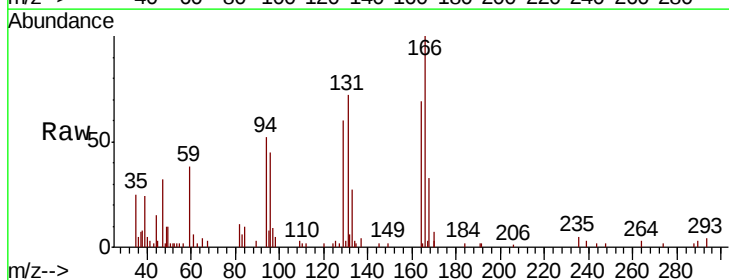
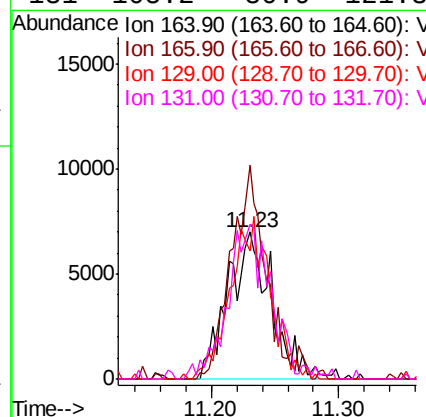
Ion Ratio Lower Upper

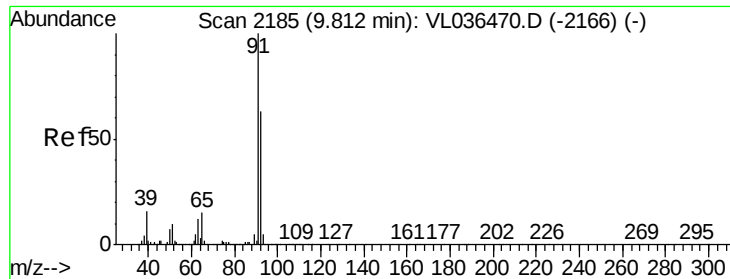
164 100

166 145.3 98.3 147.5

129 87.0 85.8 128.8

131 105.2 80.9 121.3





#53

Toluene

Concen: 0.279 ppbv m

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 22:47

Tot Ion:

Ion Ratio

91 100

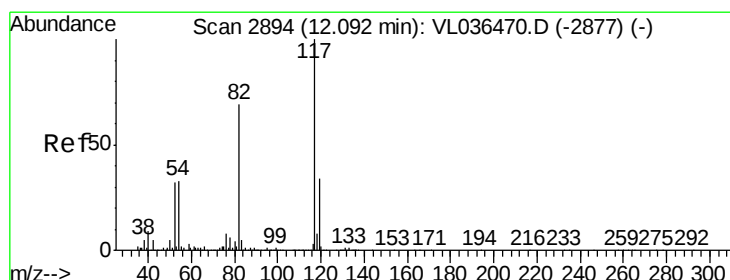
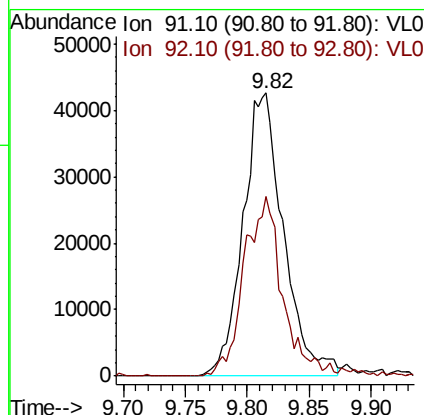
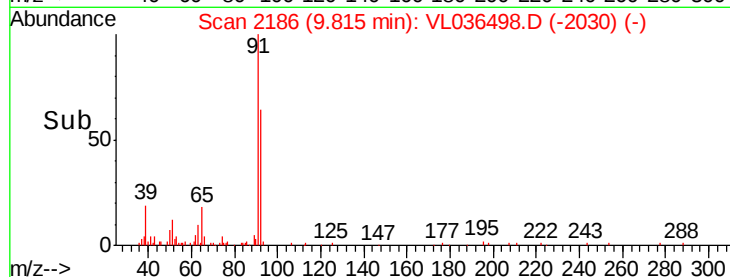
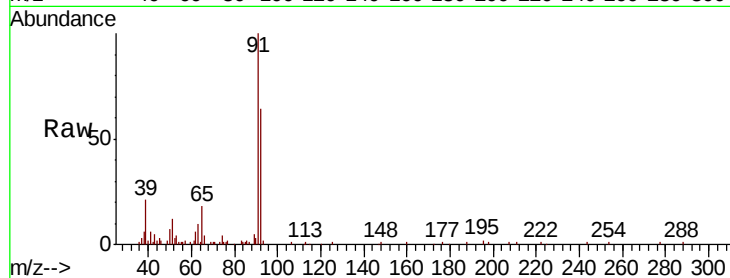
92 61.

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL036498.D

Acq: 25 Mar 2021 22:47

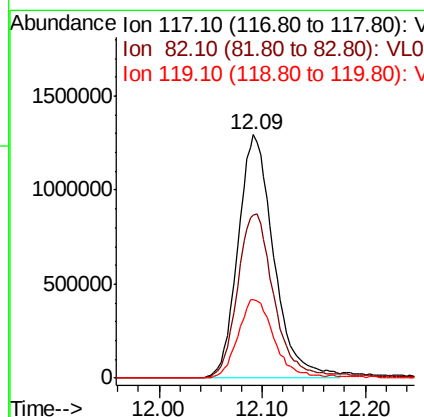
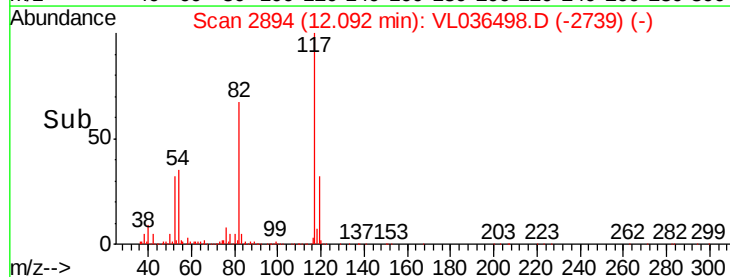
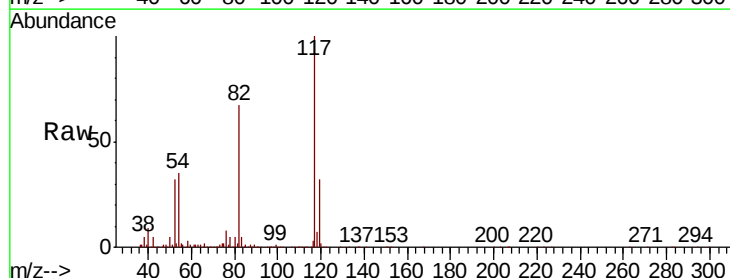
Tgt Ion:117 Resp: 3129242

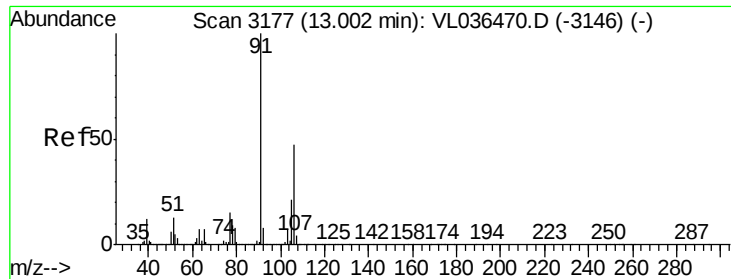
Ion Ratio Lower Upper

117 100

82 70.8 57.4 86.0

119 33.4 47.4 71.0#



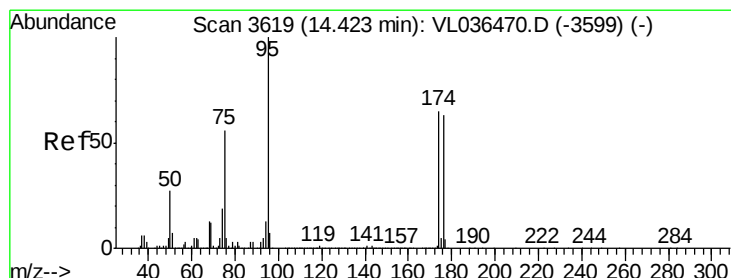
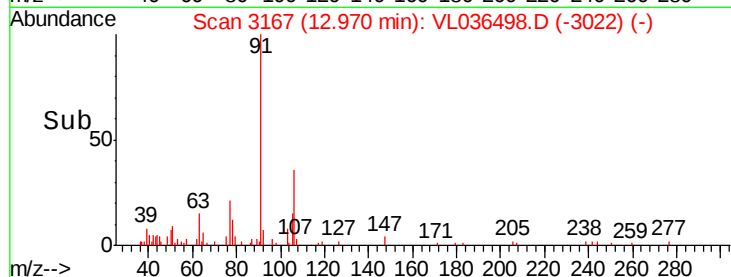
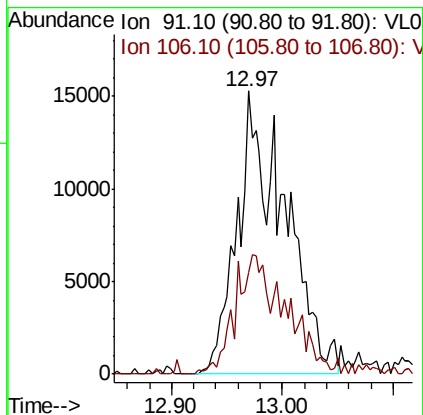
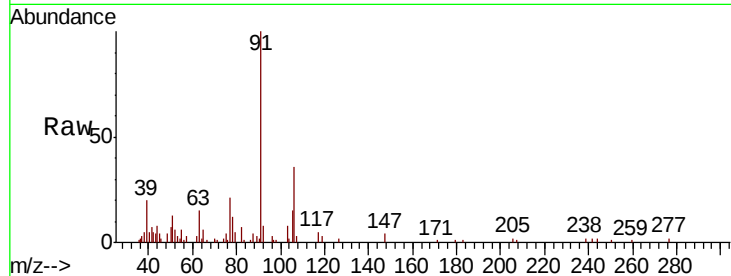


#59
m/p-Xylene
Concen: 0.114 ppbv m
RT: 12.97
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Mar 2021 22:47

Tot Ion:
Ion Ratio
91 100
106 0.

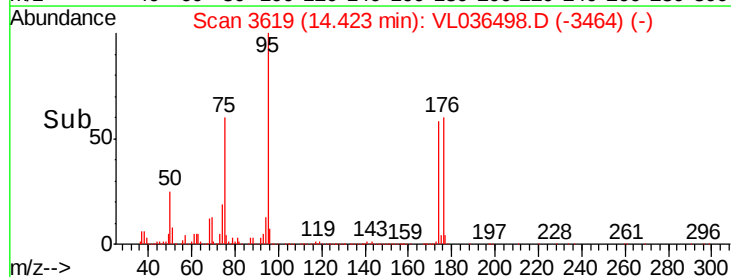
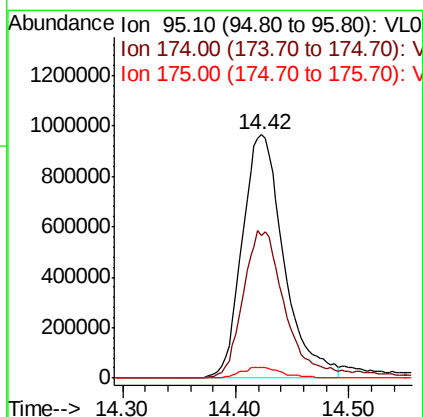
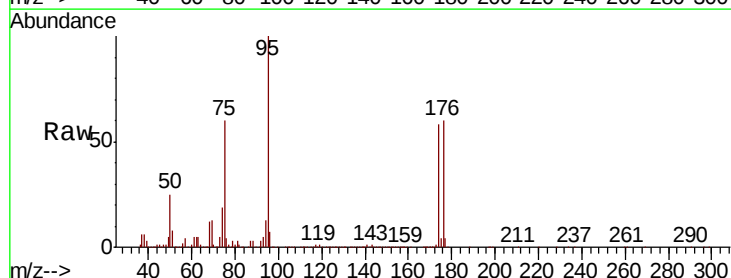
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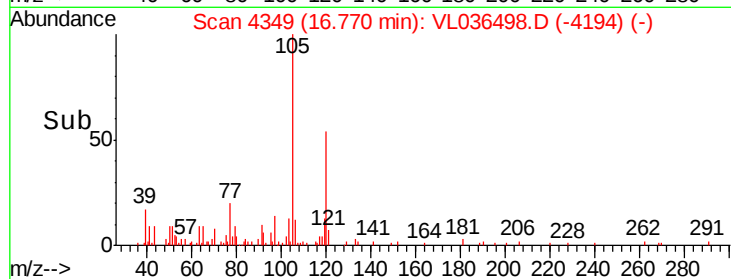
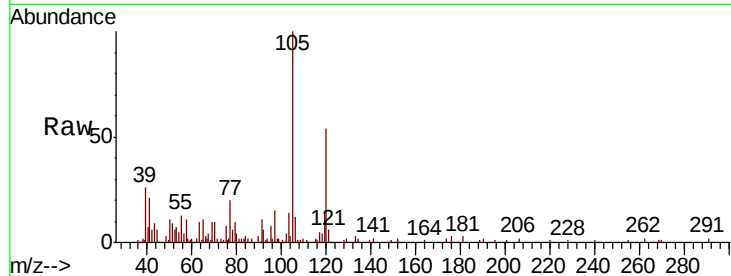
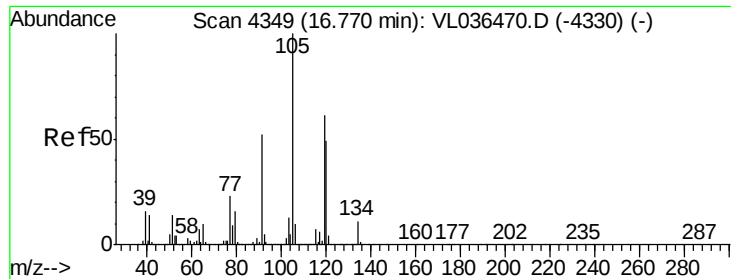
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 9.905 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL036498.D
Acq: 25 Mar 2021 22:47

Tgt Ion: 95 Resp: 2470246
Ion Ratio Lower Upper
95 100
174 64.9 51.0 76.6
175 4.7 3.9 5.9





#74
 1,2,4-Trimethylbenzene
 Concen: 0.123 ppbv m
 RT: 16.77
 Delta R.T
 Lab File:
 Acq: 25 Mar 2021 22:47

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Tot Ion	Ion	Ratio
105	100	
120	53.	
91	10.	
77	19.9	18.6 28.0

