

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036500.D
 Acq On : 26 Mar 2021 00:19
 Operator : SY/AP
 Sample : M1748-35
 Misc : 400ml/MSVOA L
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 GOI-SG-3(2021)

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021
 Supervised By :Mahesh Dadoda 03/29/2021

Quant Time: Mar 26 07:48:05 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	1469116	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3442095	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2982779	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2341662	9.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	39075	0.163	ppbv	99
3) Chlorodifluoromethane	2.99	51	68512	0.250	ppbv #	91
4) Chloromethane	3.14	50	20742m	0.214	ppbv	
9) Propene	3.02	41	57757m	0.660	ppbv	
11) Trichlorofluoromethane	3.95	101	80055m	0.328	ppbv	
13) Ethanol	3.61	45	774090	74.286	ppbv	95
15) Acetone	3.85	43	2164610	14.970	ppbv	98
17) tert-Butyl alcohol	4.30	59	30209m	0.240	ppbv	
19) Isopropyl Alcohol	3.98	45	202172	2.542	ppbv #	1
20) Methylene Chloride	4.35	84	93338	1.379	ppbv	97
26) Hexane	5.69	57	146087	0.916	ppbv #	48
34) 2-Butanone	5.25	43	89252	0.531	ppbv #	86
35) Carbon Tetrachloride	7.02	117	11425m	0.043	ppbv	
36) Benzene	6.89	78	51873	0.163	ppbv #	93
38) Trichloroethene	7.84	130	79003	0.639	ppbv	92
52) Tetrachloroethene	11.23	164	36315	0.311	ppbv #	83
53) Toluene	9.82	91	107053	0.317	ppbv	99
59) m/p-Xylene	12.98	91	52544m	0.139	ppbv	

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

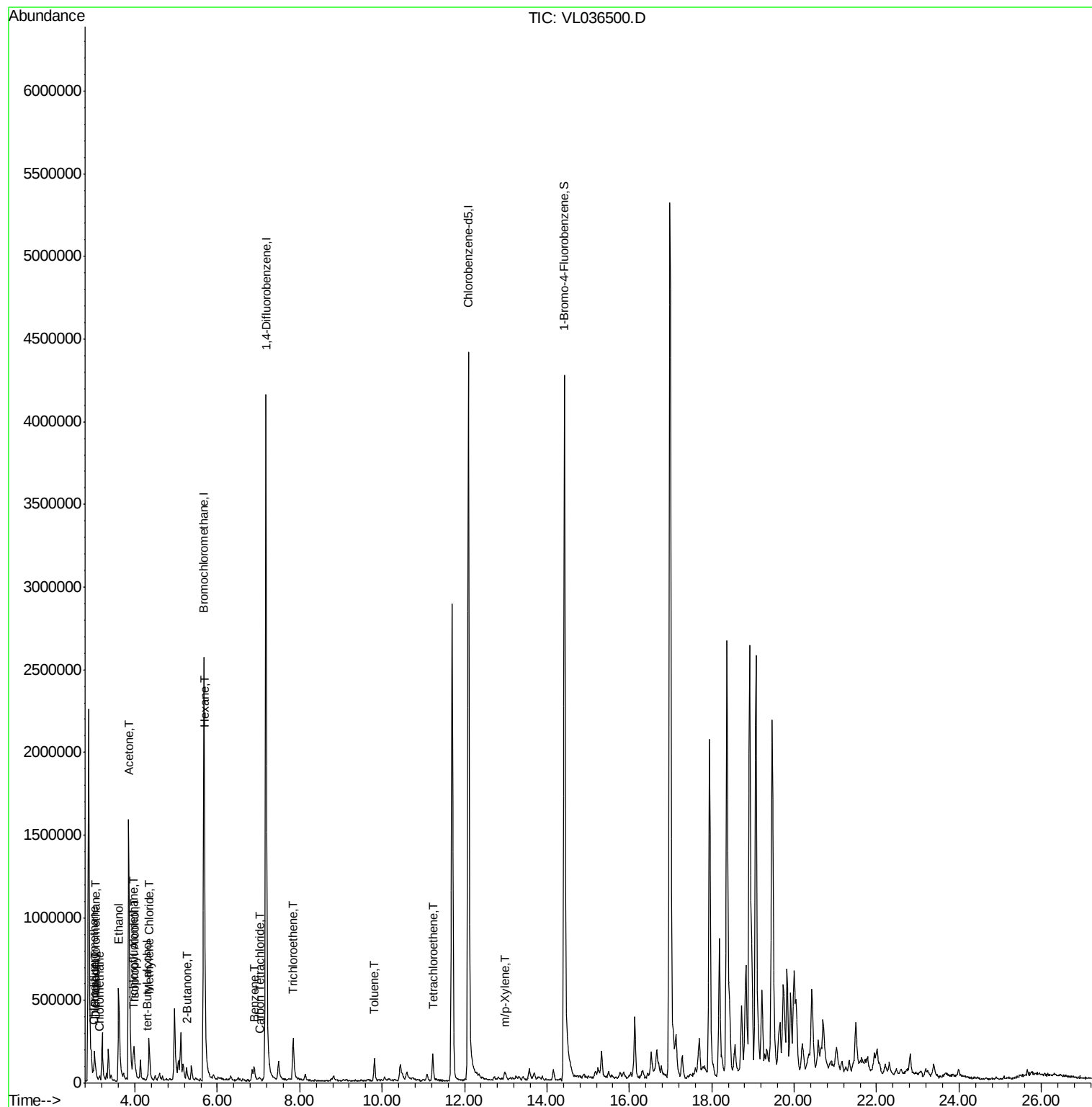
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Data File : VL036500.D
Acq On : 26 Mar 2021 00:19
Operator : SY/AP
Sample : M1748-35
Misc : 400ml/MSVOA L
ALS Vial : 15 Sample Multiplier: 1

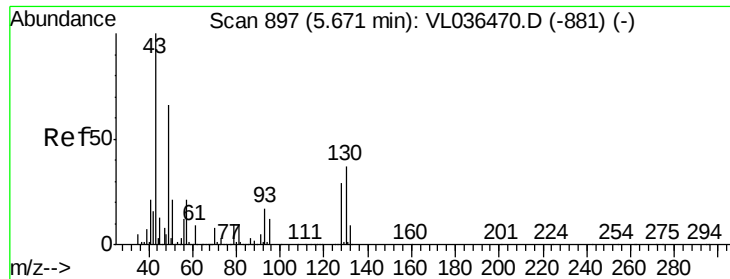
Instrument :
MSVOA_L
ClientSampleId :
GOI-SG-3(2021)

Quant Time: Mar 26 07:48:05 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Mar 25 09:42:40 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_L

Delta R.T. -0.00 min

Lab File: ClientSampleId : GOI-SG-3(2021)

Acq: 26 Mar 2021 00:19

Tot Ion:

Ion Ratio

49 100

128 45.

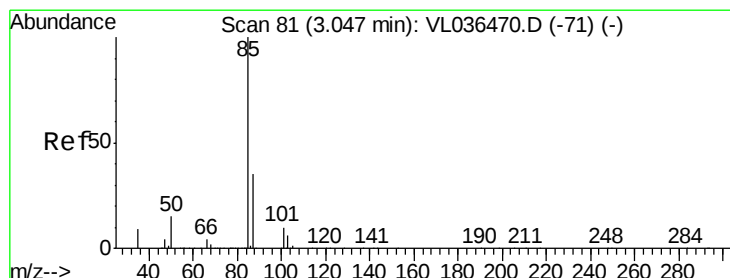
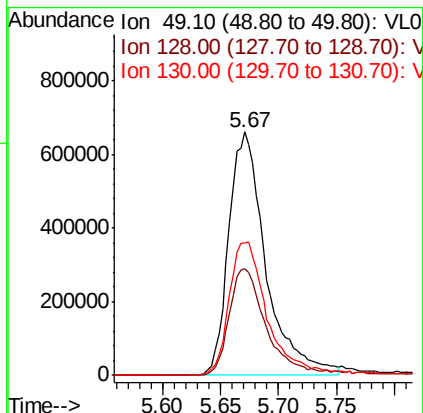
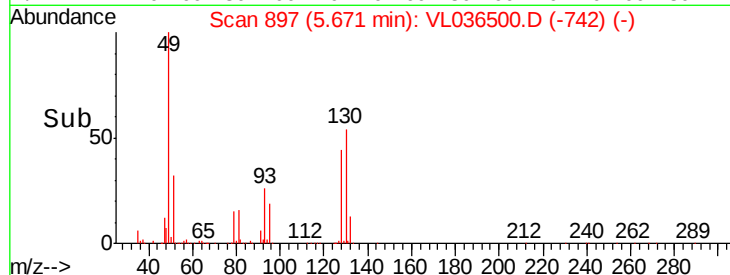
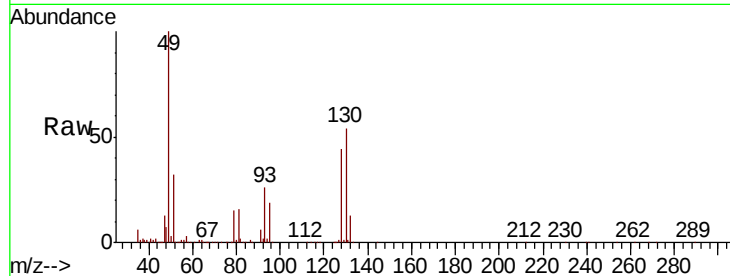
130 57.

Manual Integrations

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Supervised By :Mahesh Dadoda 03/29/2021



#2

Dichlorodifluoromethane

Concen: 0.163 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036500.D

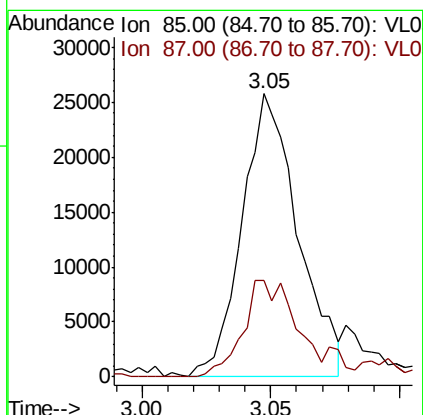
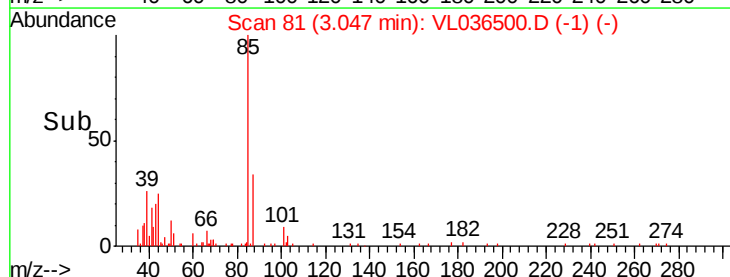
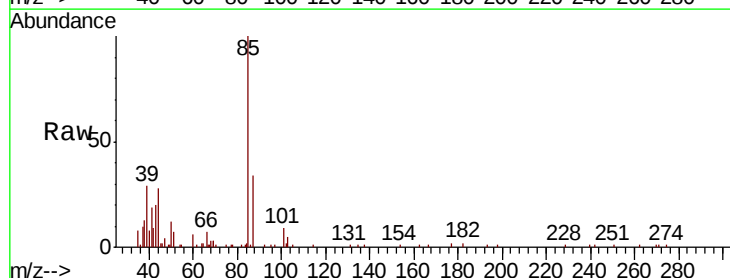
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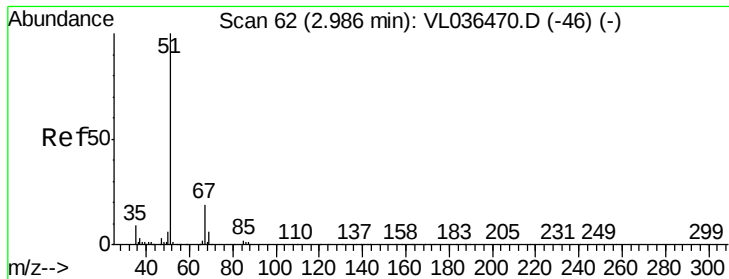
Tgt Ion: 85 Resp: 39075

Ion Ratio Lower Upper

85 100

87 34.2 27.8 41.8





#3

Chlorodifluoromethane

Concen: 0.250 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 26 Mar 2021 00:19

Tot Ion:

Ion Ratio

51 100

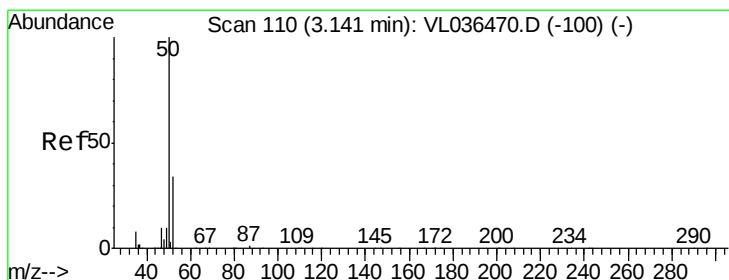
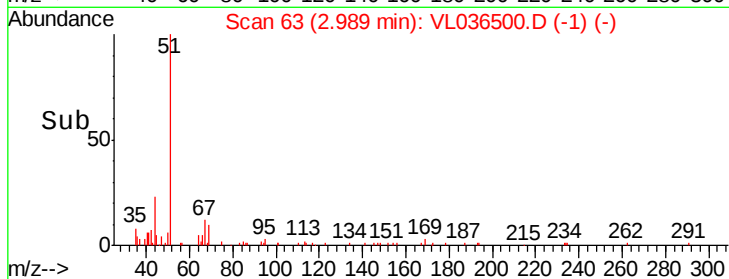
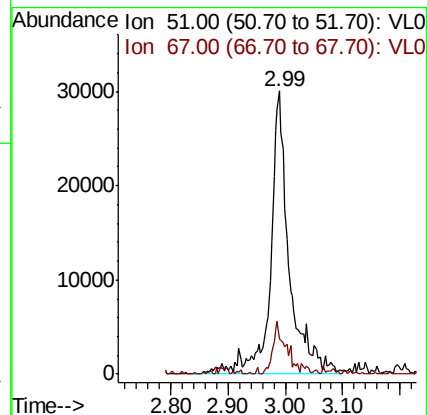
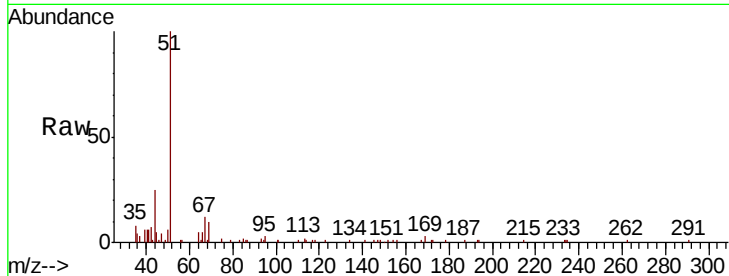
67 14.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#4

Chloromethane

Concen: 0.214 ppbv m

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL036500.D

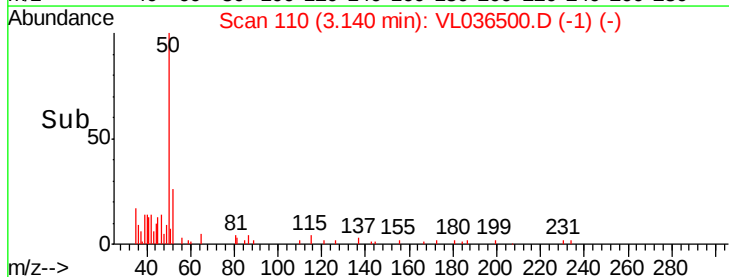
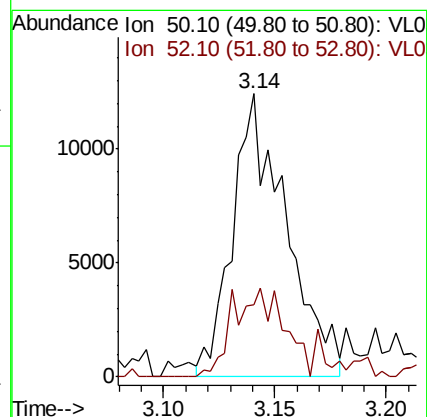
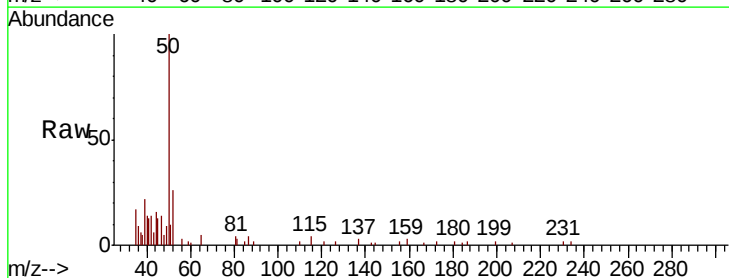
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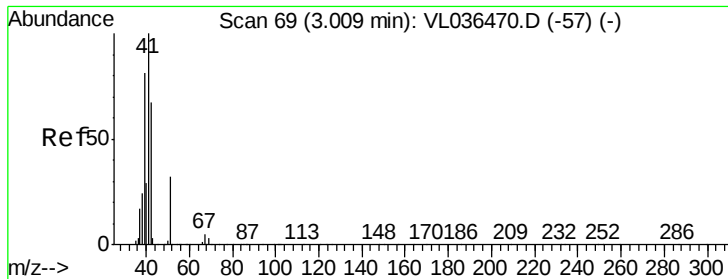
Tgt Ion: 50 Resp: 20742

Ion Ratio Lower Upper

50 100

52 25.6 27.0 40.6#



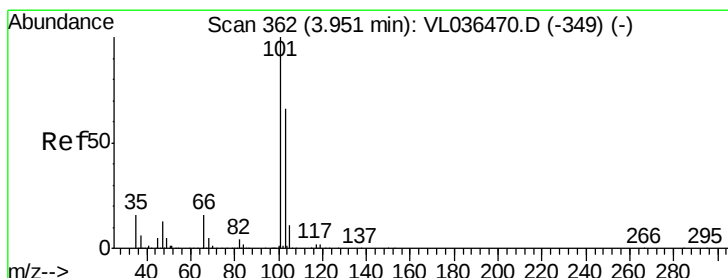
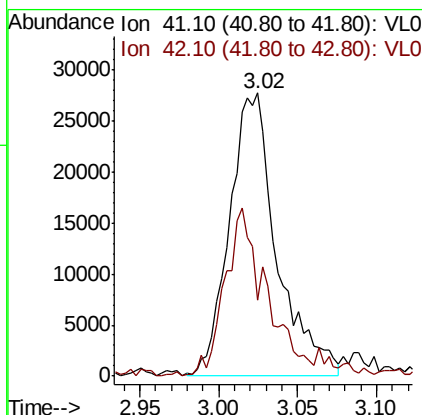
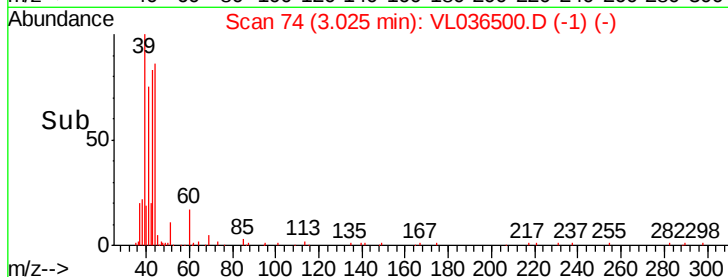
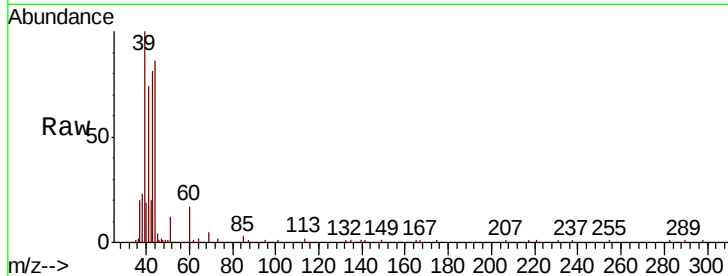


#9
 Propene
 Concen: 0.660 ppbv m
 RT: 3.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 26 Mar 2021 00:19

Tot Ion:
 Ion Ratio
 41 100
 42 55.

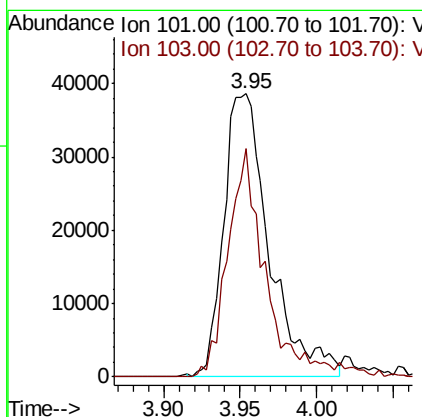
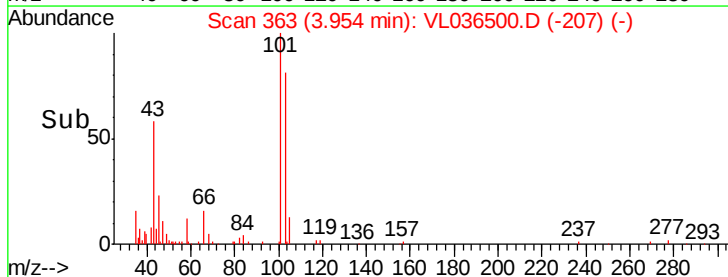
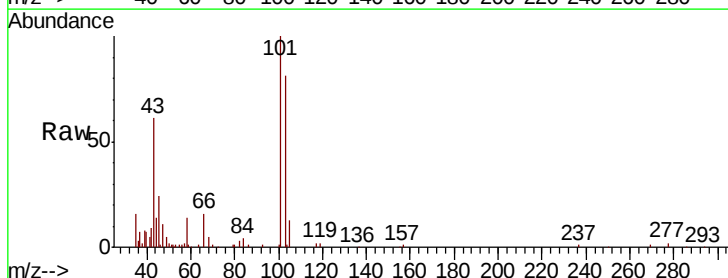
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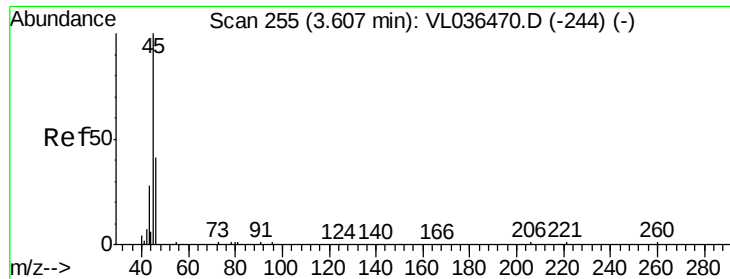
Reviewed By :Semsettin Yesilyurt 03/26/2021
 Supervised By :Mahesh Dadoda 03/29/2021



#11
 Trichlorofluoromethane
 Concen: 0.328 ppbv m
 RT: 3.95 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VL036500.D
 Acq: 26 Mar 2021 00:19

Tgt Ion:101 Resp: 80055
 Ion Ratio Lower Upper
 101 100
 103 80.7 52.5 78.7#



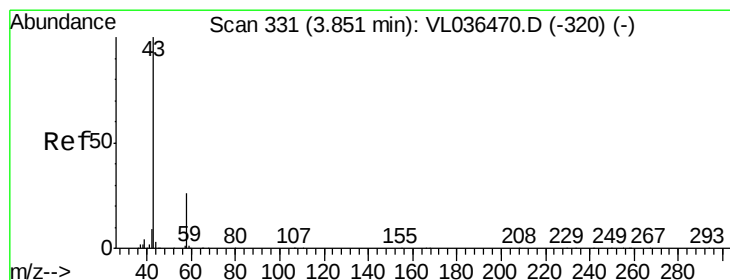
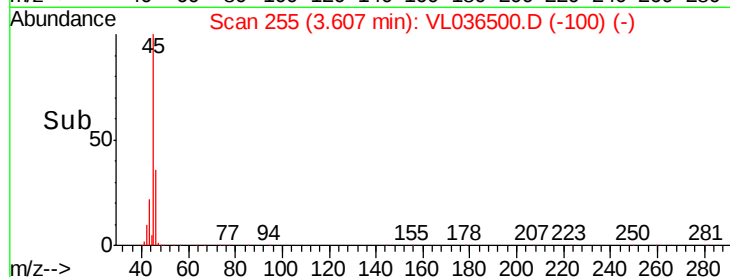
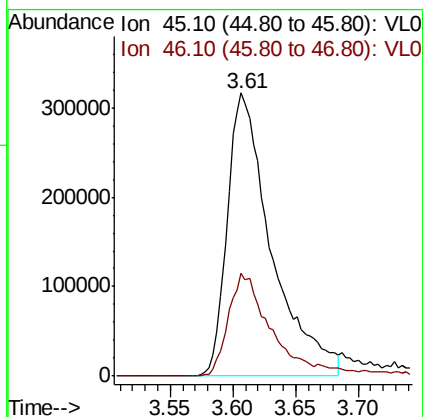
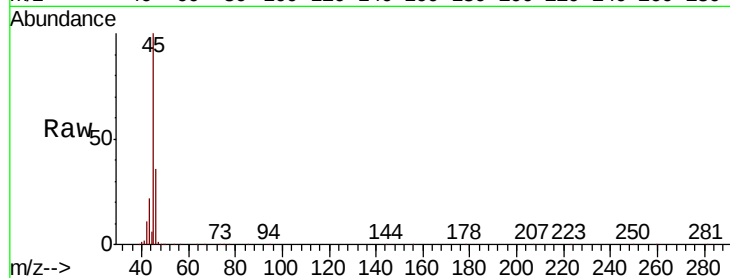


#13
 Ethanol
 Concen: 74.286 ppbv
 RT: 3.61
 Instrument : MSVOA_1
 Delta R.T. :
 Lab File: ClientSampleId :
 Acq: 26 Mar 2021 00:19

Tot Ion:
 Ion Ratio
 45 100
 46 38.

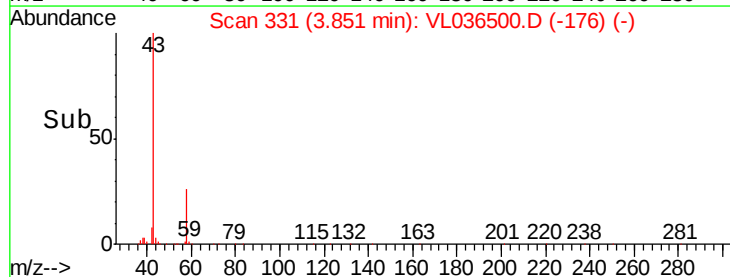
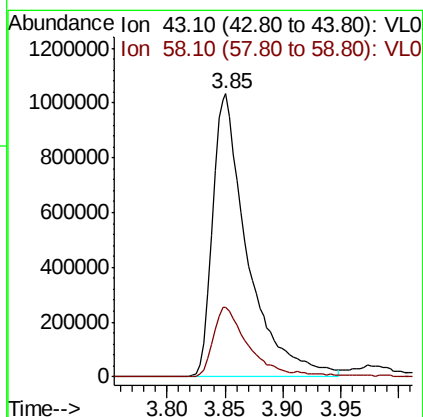
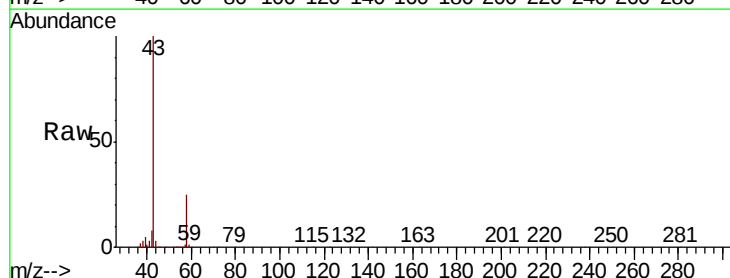
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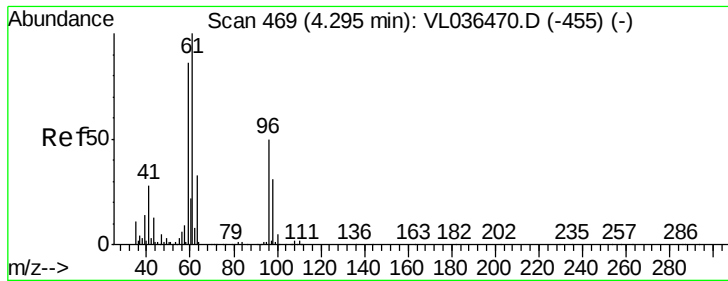
Reviewed By :Semsettin Yesilyurt 03/26/2021
 Supervised By :Mahesh Dadoda 03/29/2021



#15
 Acetone
 Concen: 14.970 ppbv
 RT: 3.85 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL036500.D
 Acq: 26 Mar 2021 00:19

Tgt Ion: 43 Resp: 2164610
 Ion Ratio Lower Upper
 43 100
 58 25.6 21.2 31.8





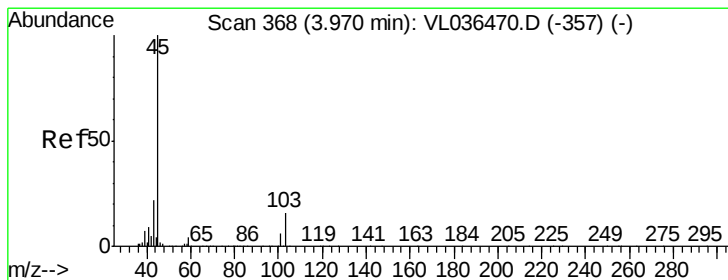
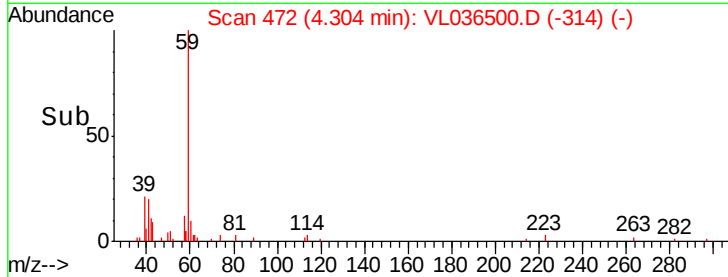
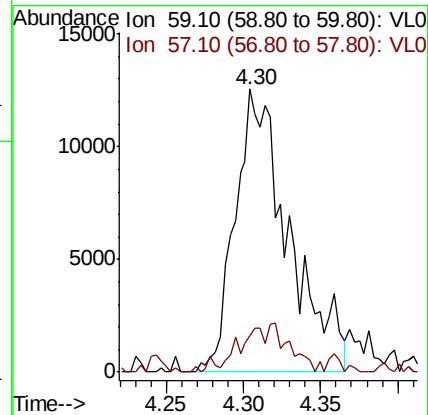
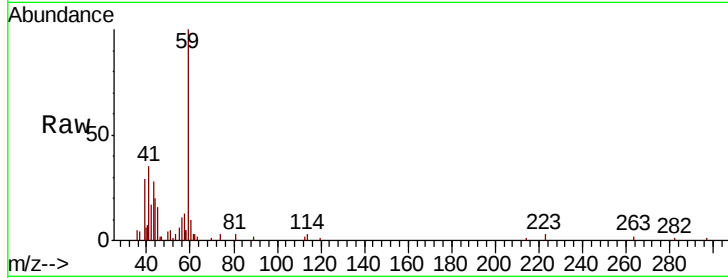
#17

tert-Butyl alcohol
Concen: 0.240 ppbv m
RT: 4.30
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 26 Mar 2021 00:19

Tot Ion:
Ion Ratio
59 100
57 0.

Manual Integrations
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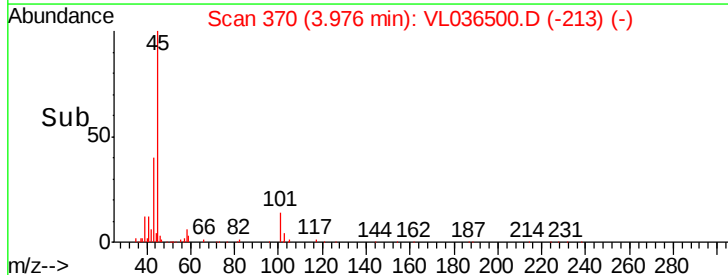
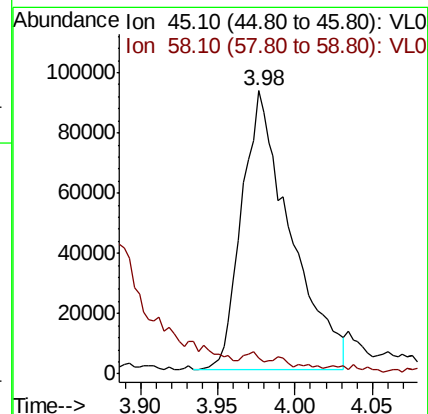
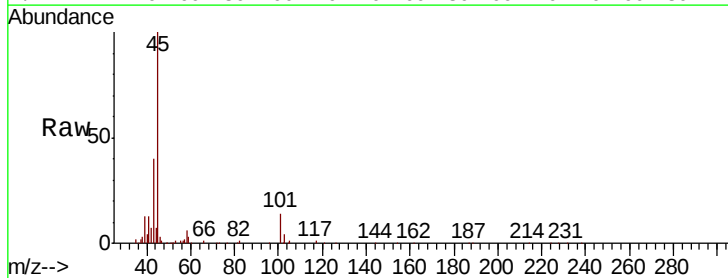
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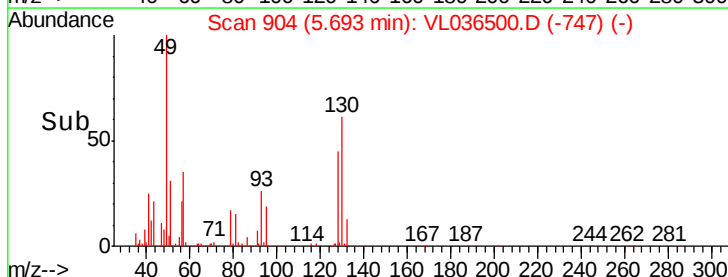
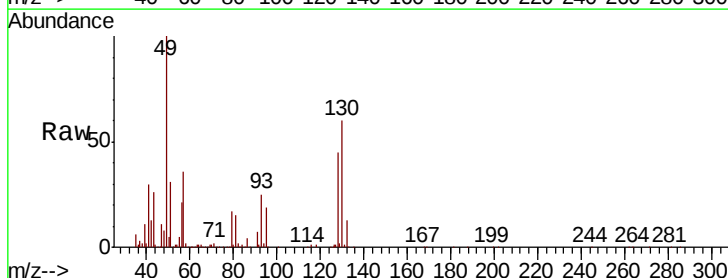
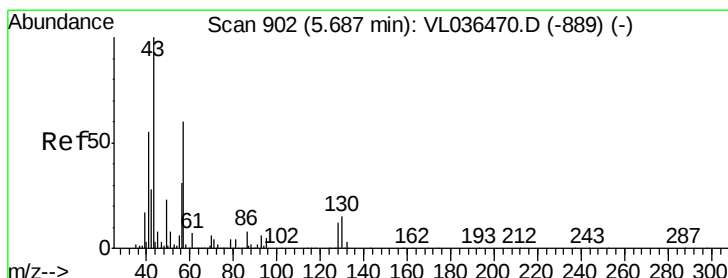
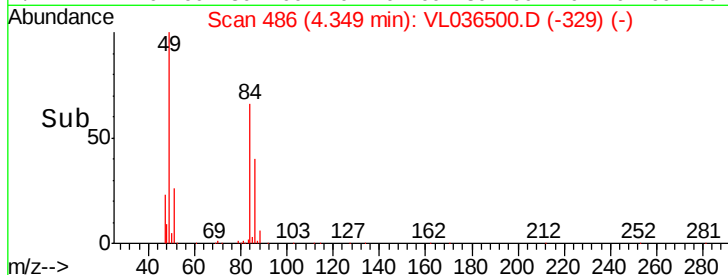
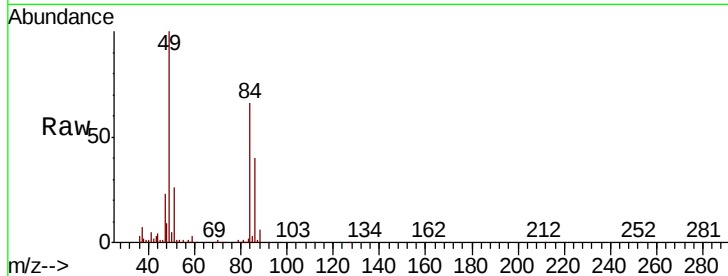
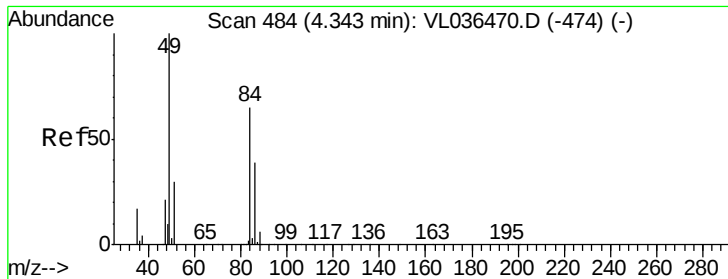


#19

Isopropyl Alcohol
Concen: 2.542 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL036500.D
Acq: 26 Mar 2021 00:19

Tgt Ion: 45 Resp: 202172
Ion Ratio Lower Upper
45 100
58 274.4 2.9 4.3#



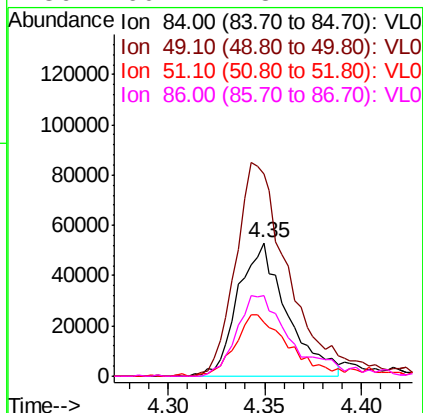


#20
Methvlene Chloride
Concen: 1.379 ppbv
RT: 4.35
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 26 Mar 2021 00:19

Tot Ion:
Ion Ratio
84 100
49 151.
51 39.
86 60.2 48.2 72.4

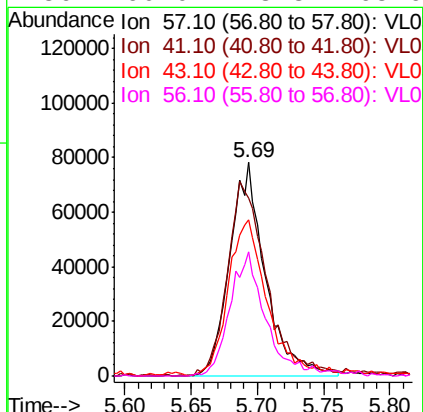
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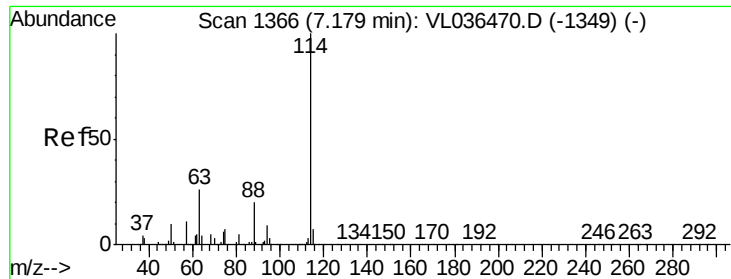
Reviewed By :Semsettin Yesilyurt 03/26/2021
Supervised By :Mahesh Dadoda 03/29/2021



#26
Hexane
Concen: 0.916 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036500.D
Acq: 26 Mar 2021 00:19

Tgt Ion: 57 Resp: 146087
Ion Ratio Lower Upper
57 100
41 101.4 77.2 115.8
43 83.4 173.8 260.6#
56 60.0 43.8 65.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18

Delta R.T. MSVOA_L

Lab File: ClientSampled :

Acq: 26 Mar 2021 00:19

Tot Ion:1

Ion Rati

114 100

63 28.

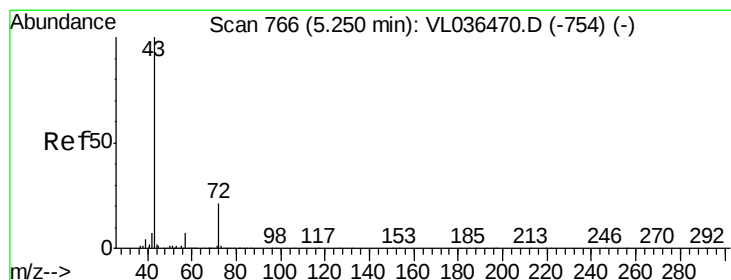
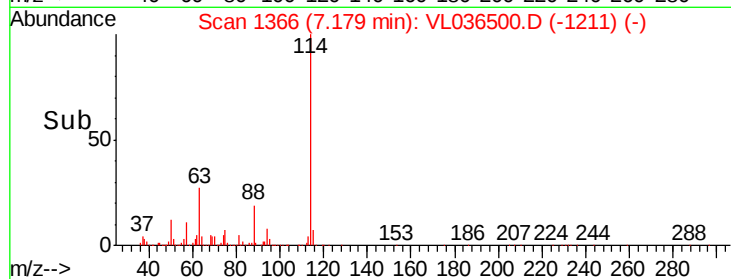
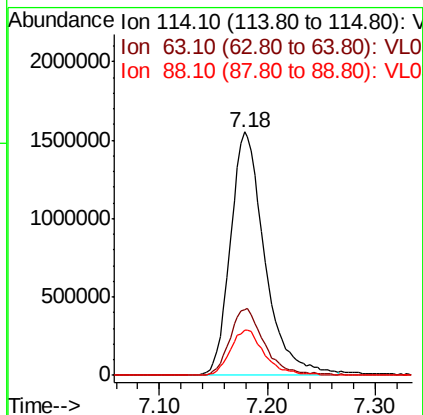
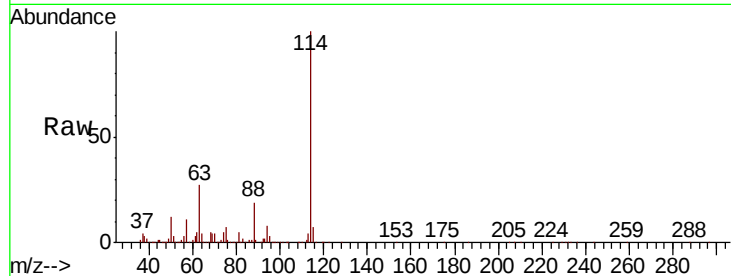
88 18.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#34

2-Butanone

Concen: 0.531 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.00 min

Lab File: VL036500.D

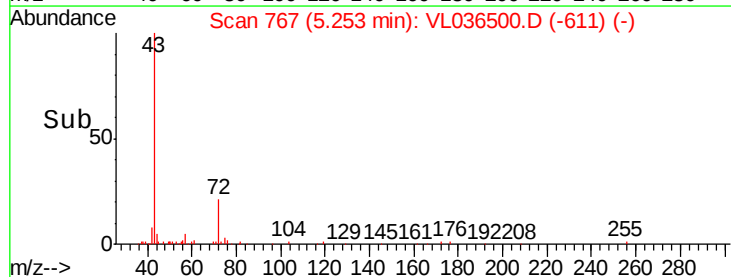
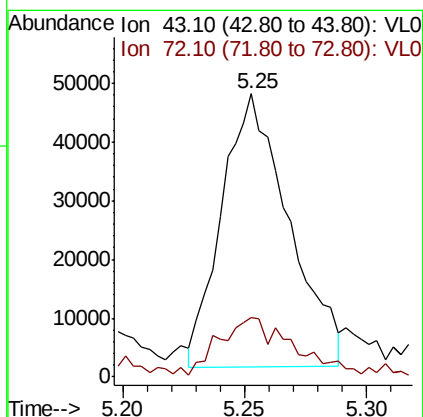
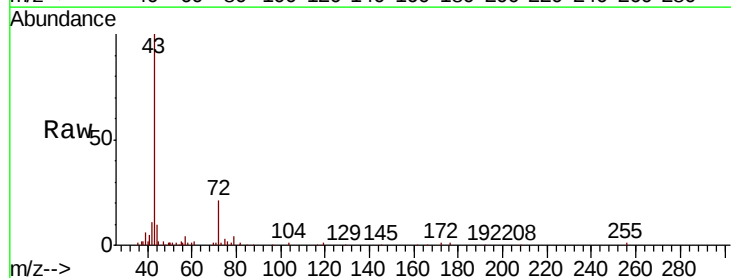
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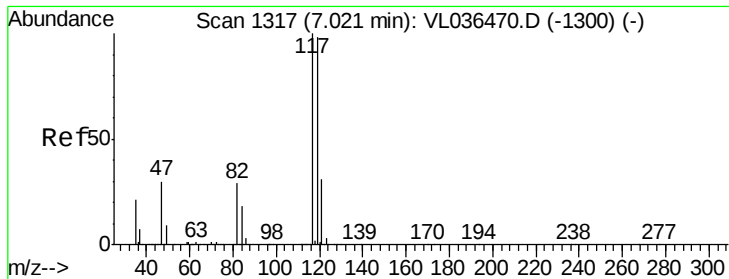
Tgt Ion: 43 Resp: 89252

Ion Ratio Lower Upper

43 100

72 27.9 17.0 25.6#



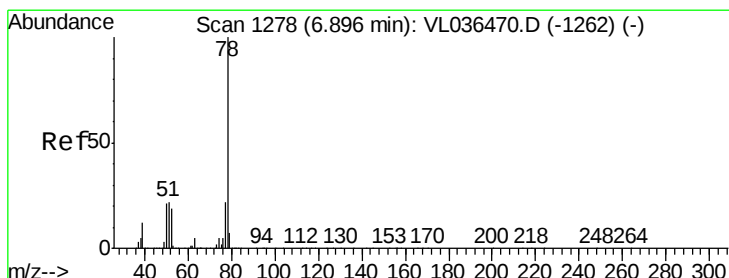
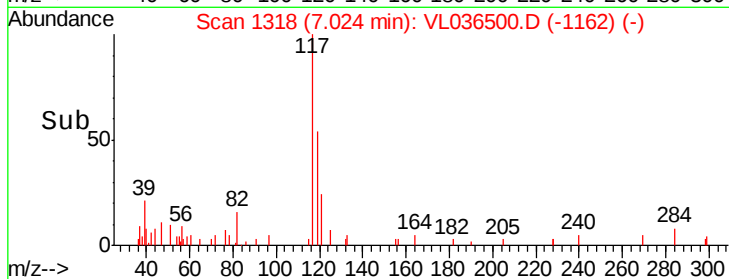
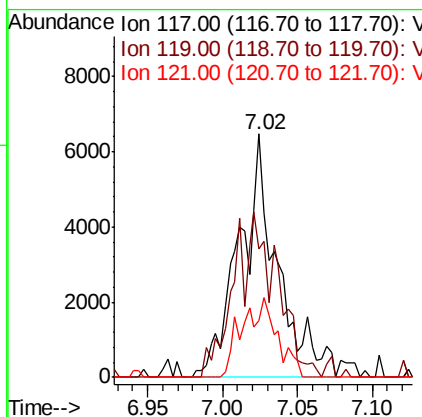
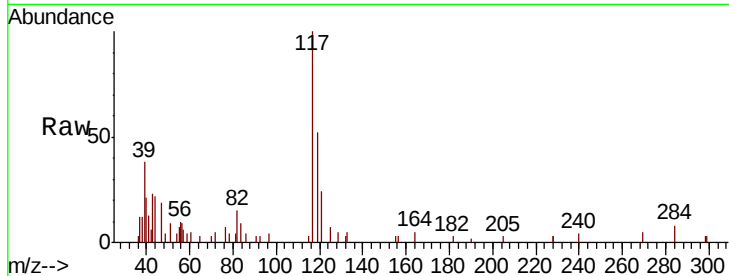


#35
Carbon Tetrachloride
Concen: 0.043 ppbv m
RT: 7.02
Instrument: MSVOA_L
Delta R.T.
Lab File: ClientSampleId :
Acq: 26 Mar 2021 00:19

Tot Ion:1
Ion Rati
117 100
119 52.
121 23.

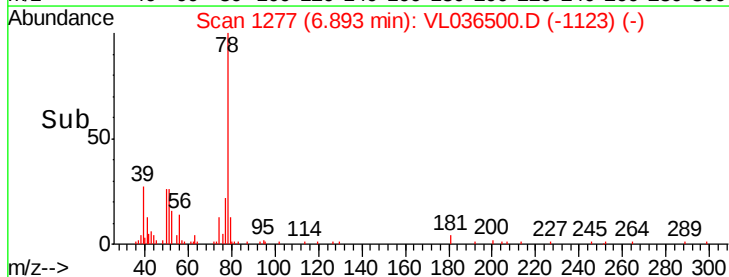
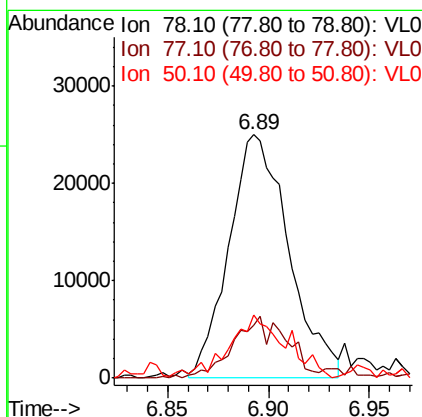
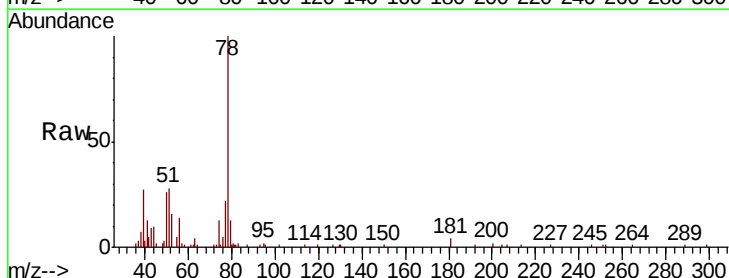
Manual Integrations
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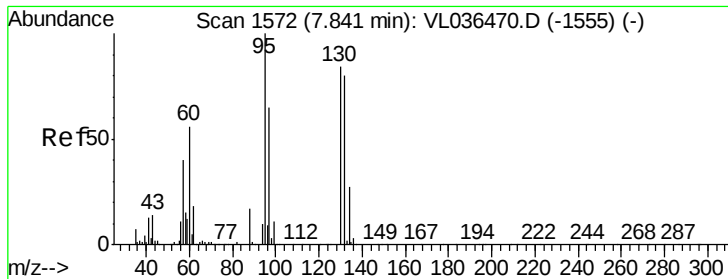
Reviewed By :Semsettin Yesilyurt 03/26/2021
Supervised By :Mahesh Dadoda 03/29/2021



#36
Benzene
Concen: 0.163 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VL036500.D
Acq: 26 Mar 2021 00:19

Tgt Ion: 78 Resp: 51873
Ion Ratio Lower Upper
78 100
77 20.6 18.0 27.0
50 25.8 16.5 24.7#



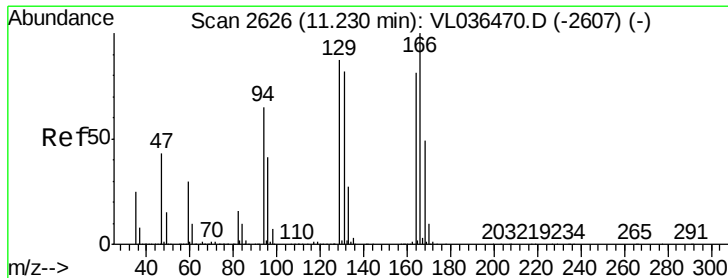
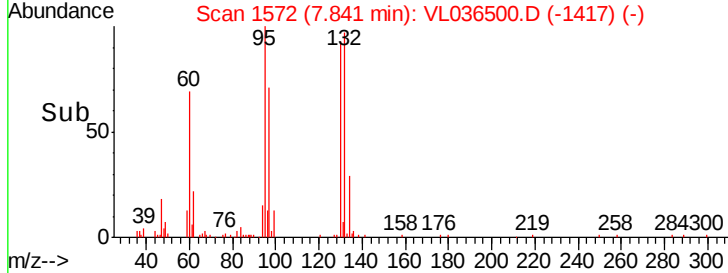
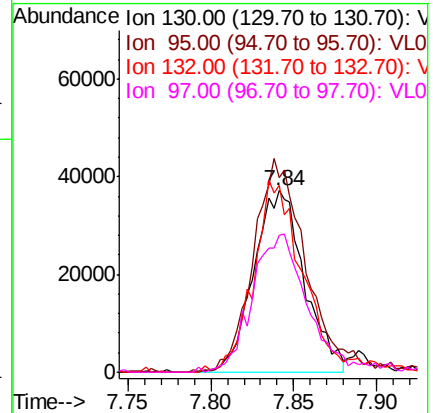
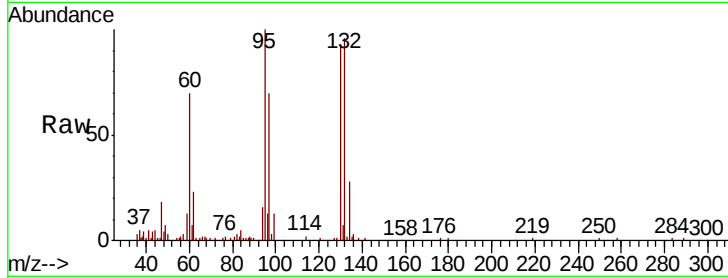


#38
 Trichloroethene
 Concen: 0.639 ppbv
 RT: 7.84
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 26 Mar 2021 00:19

Tot Ion:1
 Ion Ratio
 130 100
 95 105.
 132 103.
 97 75.7 61.8 92.6

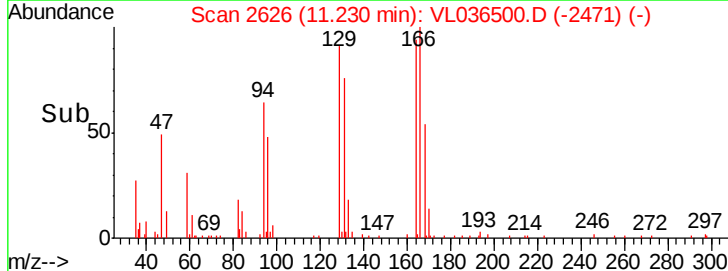
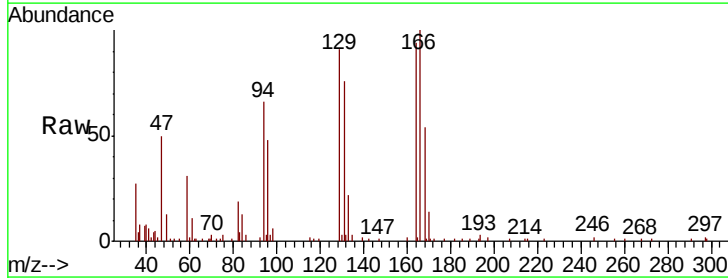
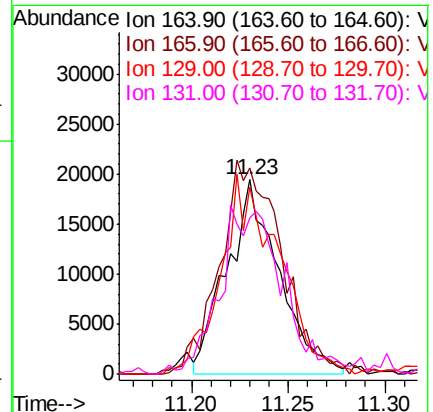
Manual Integrations
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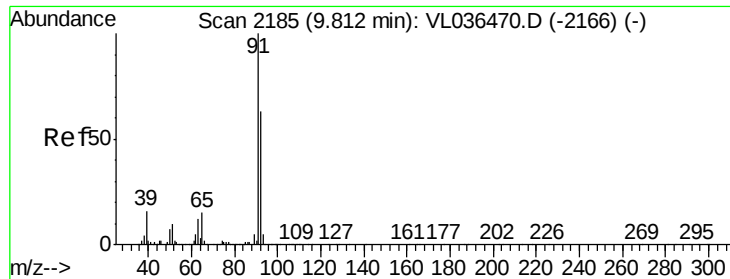
Reviewed By :Semsettin Yesilyurt 03/26/2021
 Supervised By :Mahesh Dadoda 03/29/2021



#52
 Tetrachloroethene
 Concen: 0.311 ppbv
 RT: 11.23 min Scan# 2626
 Delta R.T. -0.00 min
 Lab File: VL036500.D
 Acq: 26 Mar 2021 00:19

Tgt Ion:164 Resp: 36315
 Ion Ratio Lower Upper
 164 100
 166 104.2 98.3 147.5
 129 95.6 85.8 128.8
 131 77.8 80.9 121.3#





#53

Toluene

Concen: 0.317 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 26 Mar 2021 00:19

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/26/2021

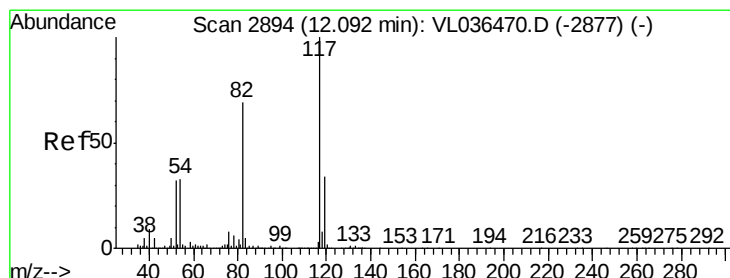
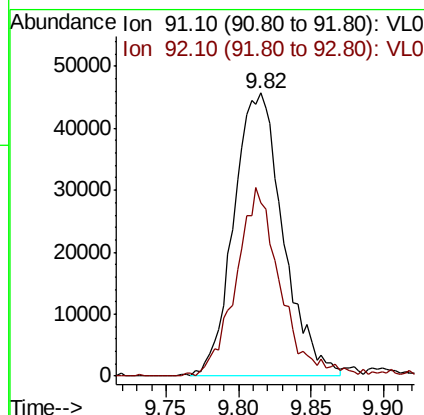
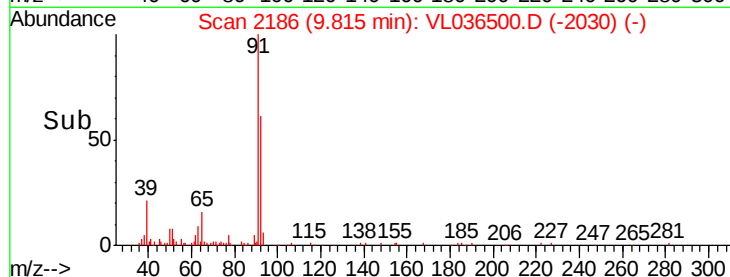
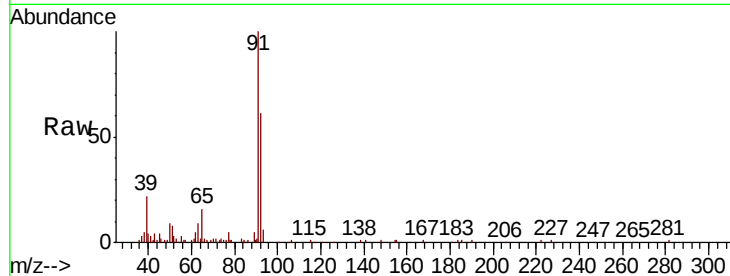
Supervised By :Mahesh Dadoda 03/29/2021

Tot Ion:

Ion Ratio

91 100

92 60.



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VL036500.D

Acq: 26 Mar 2021 00:19

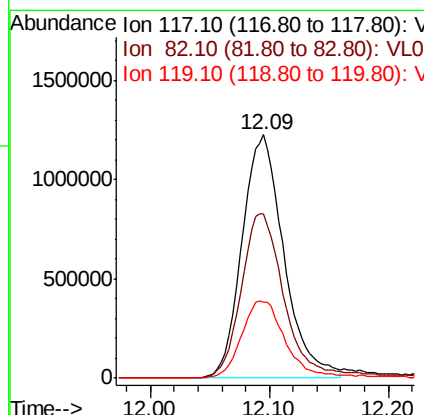
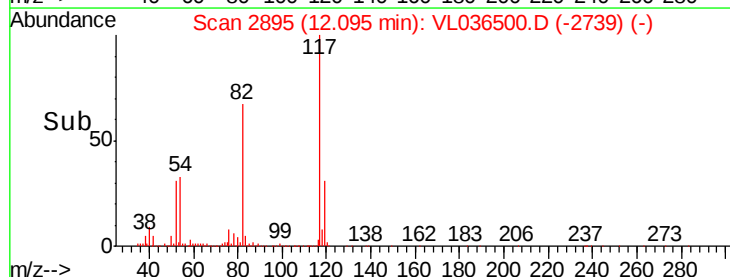
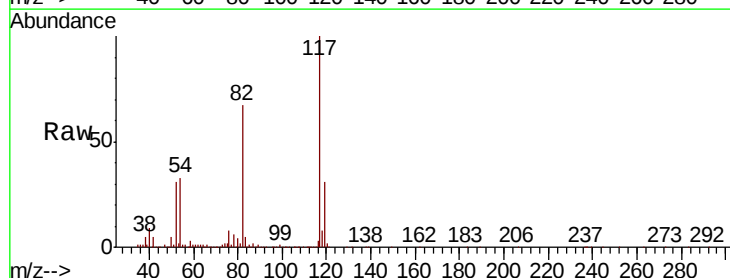
Tgt Ion:117 Resp: 2982779

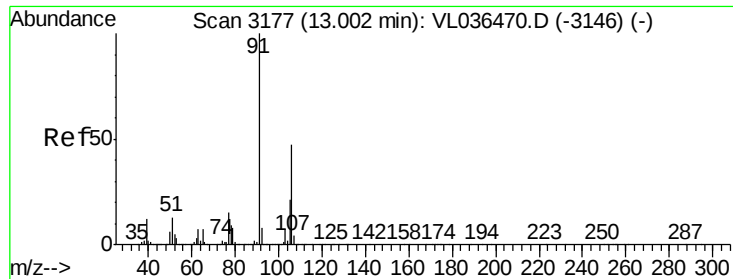
Ion Ratio Lower Upper

117 100

82 71.0 57.4 86.0

119 34.2 47.4 71.0#



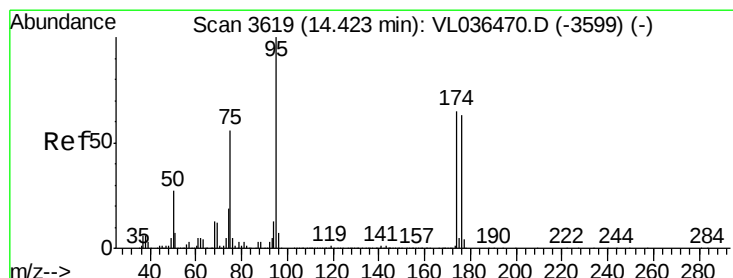
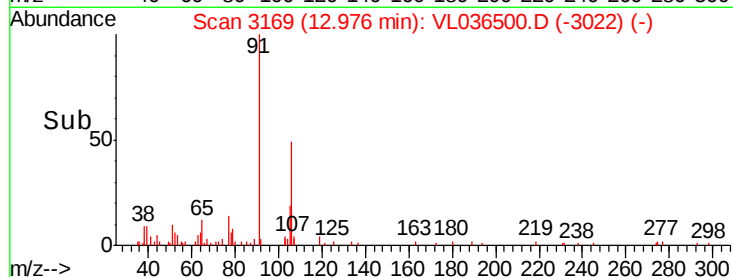
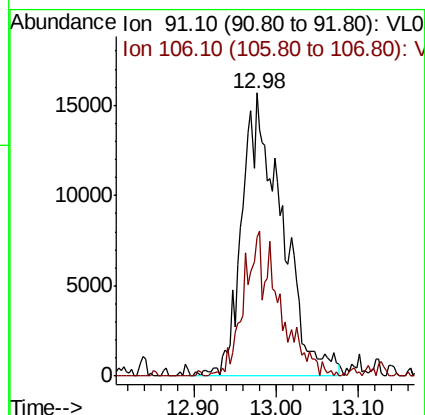
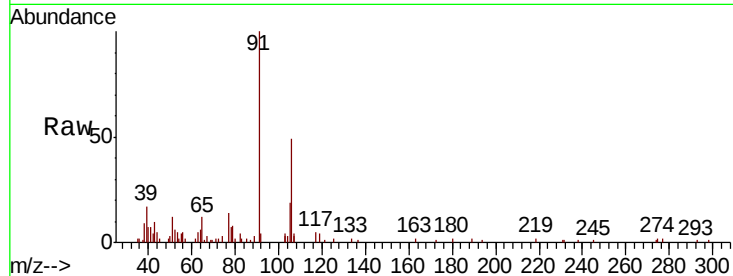


#59
m/p-Xylene
Concen: 0.139 ppbv m
RT: 12.98
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampled:
Acq: 26 Mar 2021 00:19

Tot Ion:
Ion Ratio
91 100
106 0.

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021
Supervised By :Mahesh Dadoda 03/29/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 9.850 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL036500.D
Acq: 26 Mar 2021 00:19

Tgt Ion: 95 Resp: 2341662
Ion Ratio Lower Upper
95 100
174 67.0 51.0 76.6
175 5.0 3.9 5.9

