

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036499.D
 Acq On : 25 Mar 2021 23:34
 Operator : SY/AP
 Sample : M1748-34
 Misc : 400ml/MSVOA L
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 GOI-SG-2(2021)

Manual Integrations
 APPROVED

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

Quant Time: Mar 28 23:40:30 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	1462598	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3412886	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3045208	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2301438	9.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	43360m	0.182	ppbv	
3) Chlorodifluoromethane	2.99	51	90265	0.330	ppbv	92
4) Chloromethane	3.14	50	45585m	0.472	ppbv	
9) Propene	3.01	41	80502	0.924	ppbv	83
11) Trichlorofluoromethane	3.95	101	55254	0.227	ppbv	89
13) Ethanol	3.61	45	721316	69.530	ppbv	91
15) Acetone	3.85	43	1269725	8.820	ppbv	100
17) tert-Butyl alcohol	4.30	59	99364m	0.793	ppbv	
19) Isopropyl Alcohol	3.97	45	131020	1.655	ppbv #	88
20) Methylene Chloride	4.34	84	100841m	1.496	ppbv	
26) Hexane	5.69	57	120862	0.761	ppbv #	48
29) Chloroform	5.75	83	151599	0.597	ppbv	92
34) 2-Butanone	5.25	43	164439m	0.987	ppbv	
36) Benzene	6.90	78	61030m	0.194	ppbv	
38) Trichloroethene	7.83	130	561362m	4.583	ppbv	
52) Tetrachloroethene	11.23	164	125625	1.084	ppbv	95
53) Toluene	9.81	91	141503	0.422	ppbv	99
59) m/p-Xylene	12.98	91	110904m	0.287	ppbv	
60) o-Xylene	13.70	91	59139m	0.158	ppbv	

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

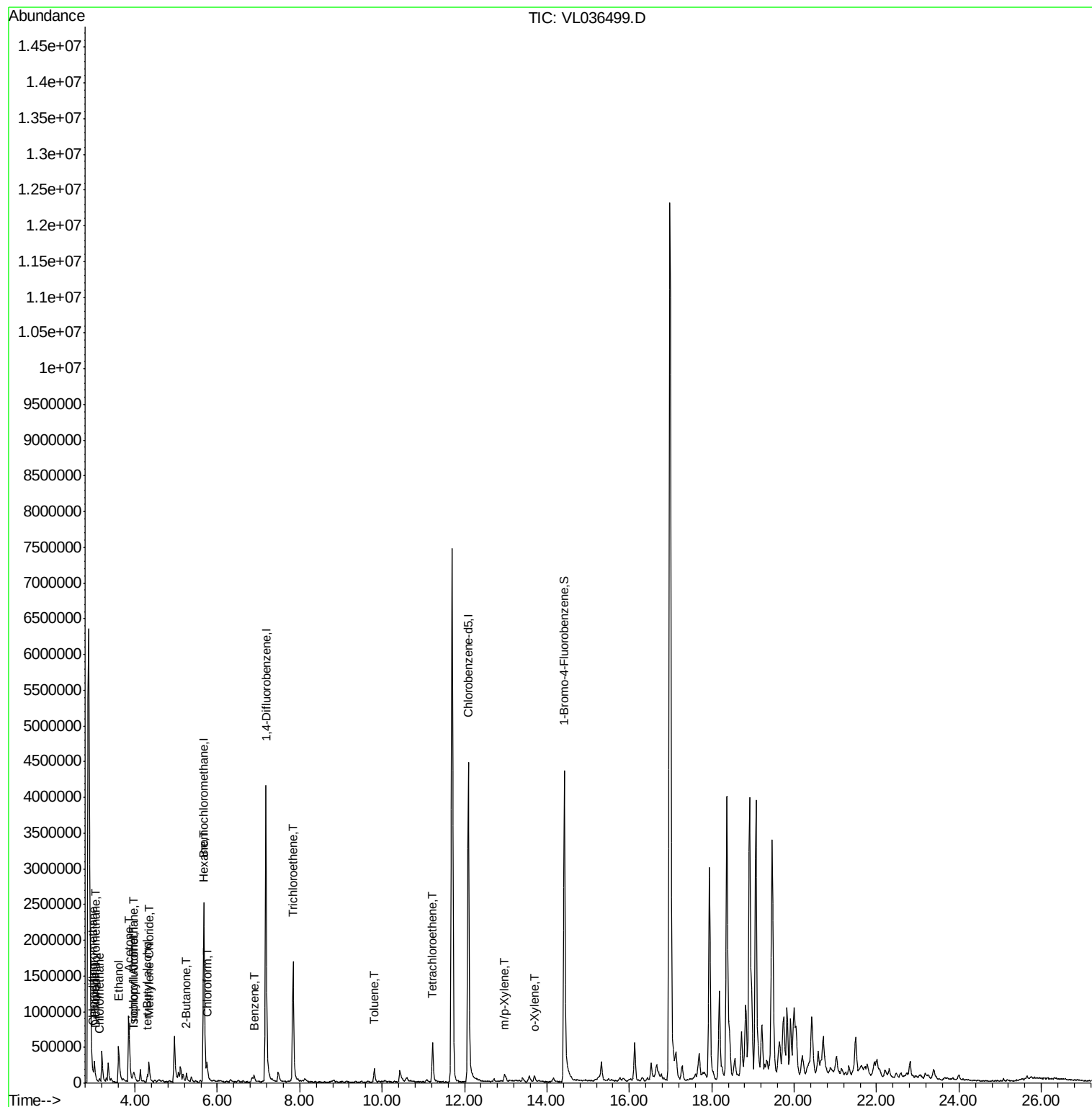
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032521\
Data File : VL036499.D
Acq On : 25 Mar 2021 23:34
Operator : SY/AP
Sample : M1748-34
Misc : 400ml/MSVOA L
ALS Vial : 15 Sample Multiplier: 1

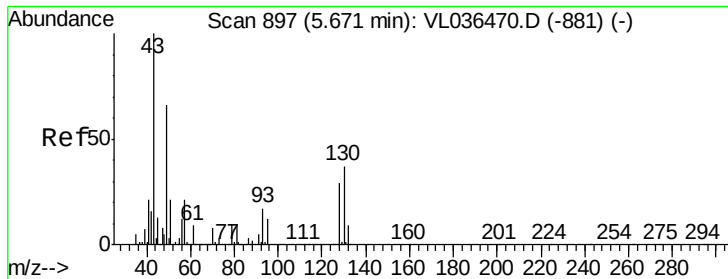
Instrument :
MSVOA_L
ClientSampleId :
GOI-SG-2(2021)

Quant Time: Mar 28 23:40:30 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: GOI-SG-2(2021)

Acq: 25 Mar 2021 23:34

Tot Ion:

Ion Ratio

49 100

128 45.

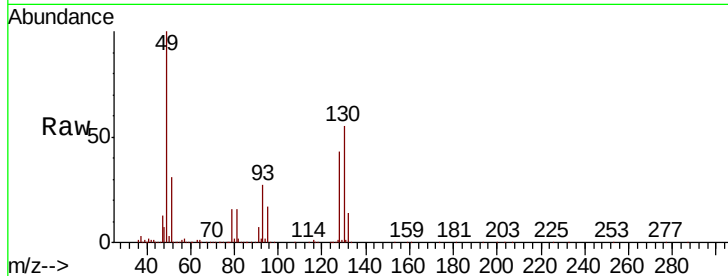
130 58.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/28/2021

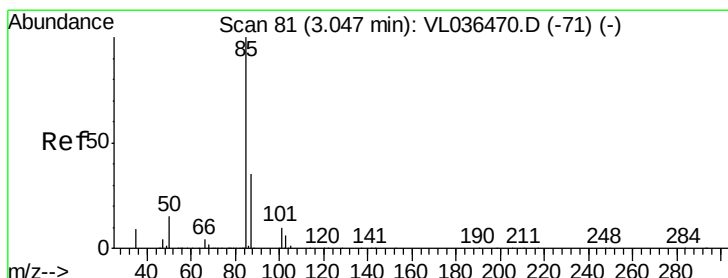
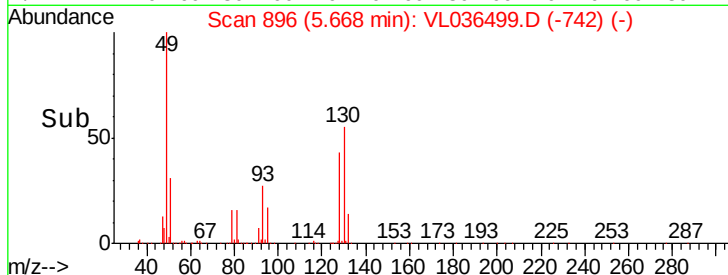
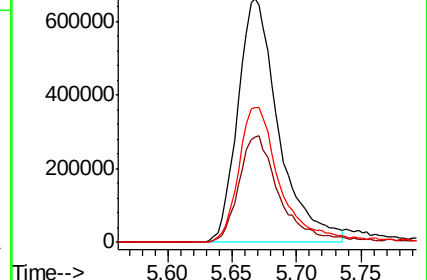
Supervised By :Mahesh Dadoda 03/29/2021



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.182 ppbv m

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036499.D

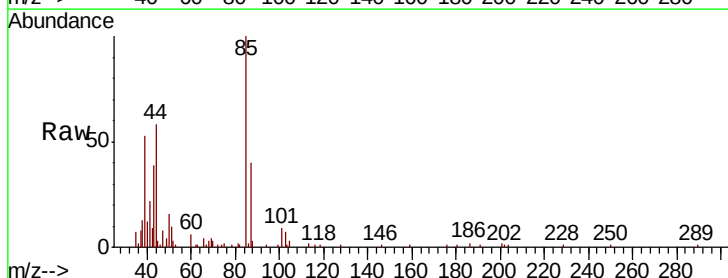
Acq: 25 Mar 2021 23:34

Tgt Ion: 85 Resp: 43360

Ion Ratio Lower Upper

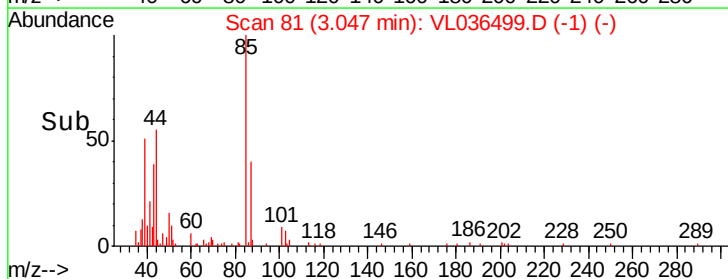
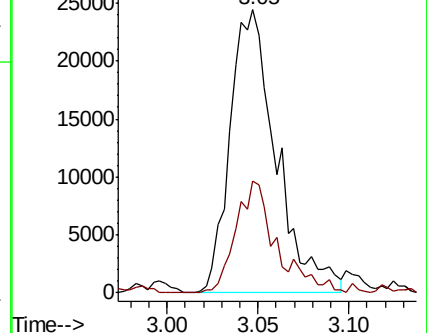
85 100

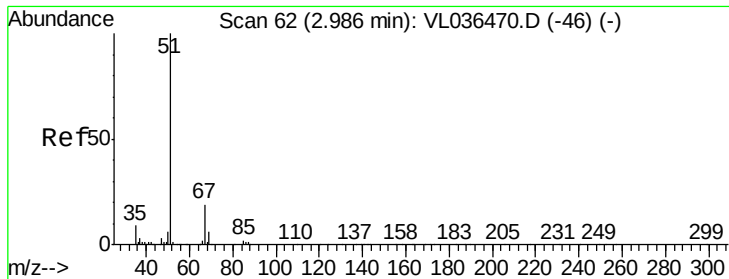
87 39.5 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



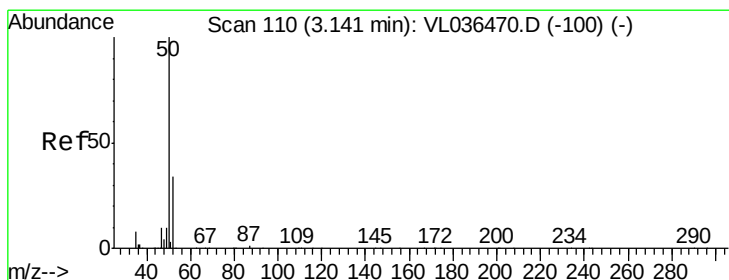
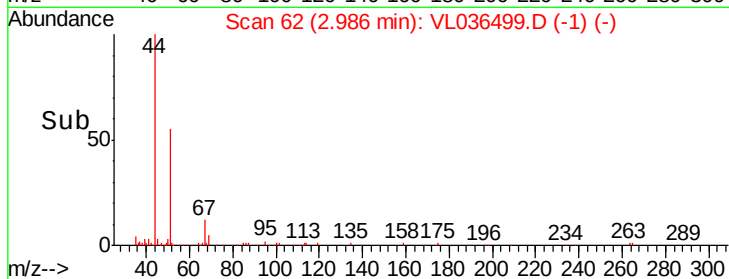
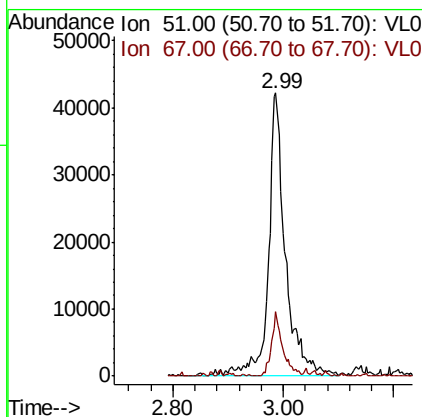
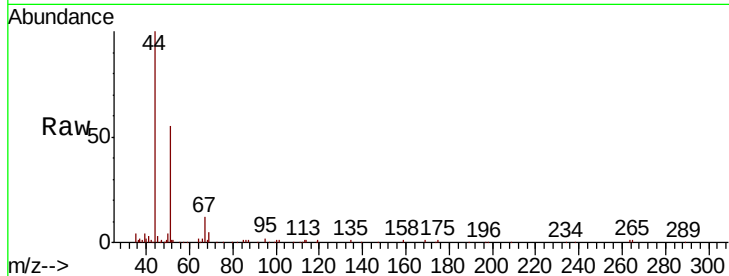


#3
Chlorodifluoromethane
Concen: 0.330 ppbv
RT: 2.99
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 25 Mar 2021 23:34

Tot Ion:
Ion Ratio
51 100
67 14.

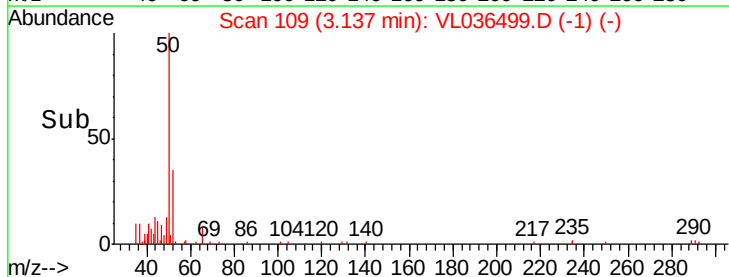
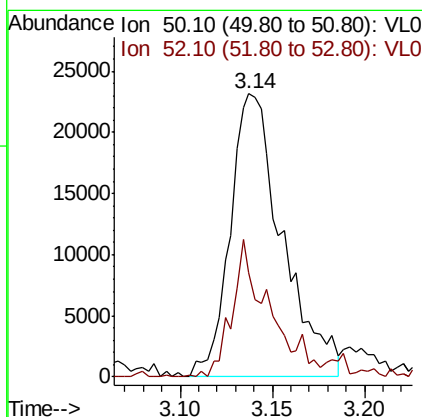
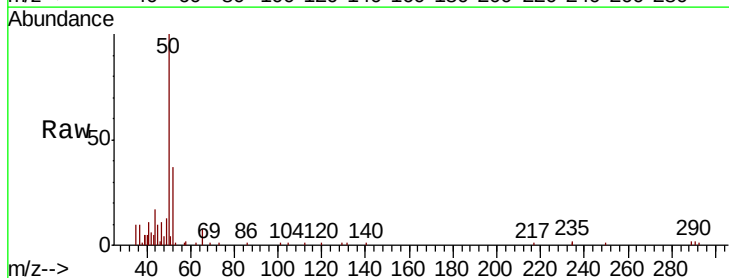
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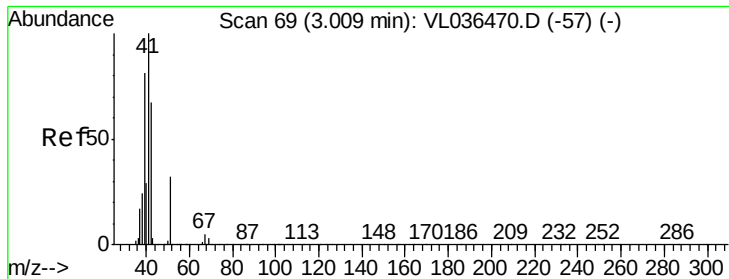
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#4
Chloromethane
Concen: 0.472 ppbv m
RT: 3.14 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL036499.D
Acq: 25 Mar 2021 23:34

Tgt Ion: 50 Resp: 45585
Ion Ratio Lower Upper
50 100
52 36.8 27.0 40.6





#9

Propene

Concen: 0.924 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 23:34

Tot Ion:

Ion Ratio

41 100

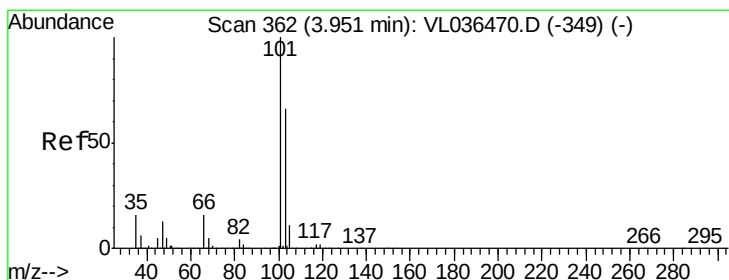
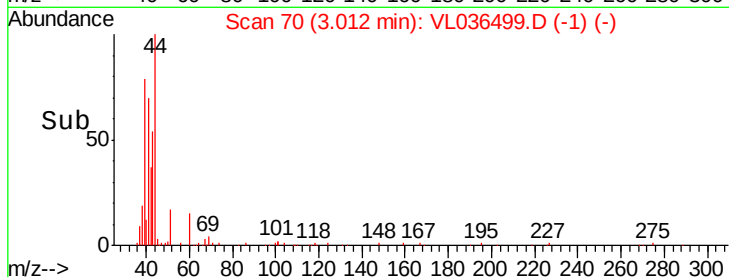
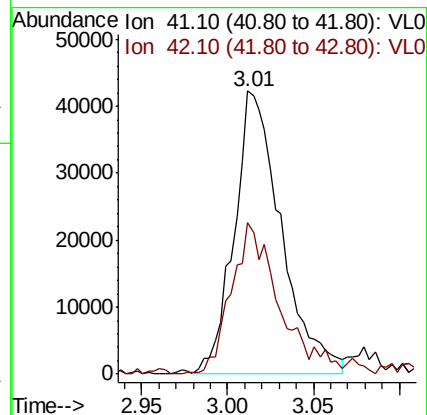
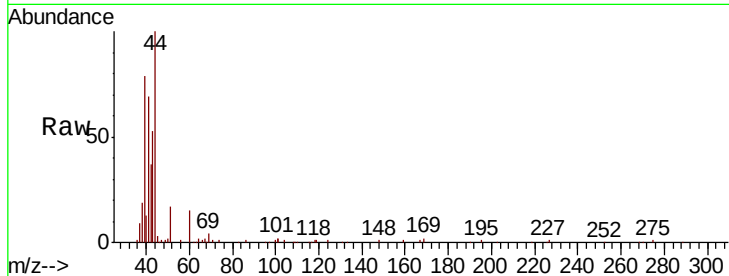
42 57.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



#11

Trichlorofluoromethane

Concen: 0.227 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL036499.D

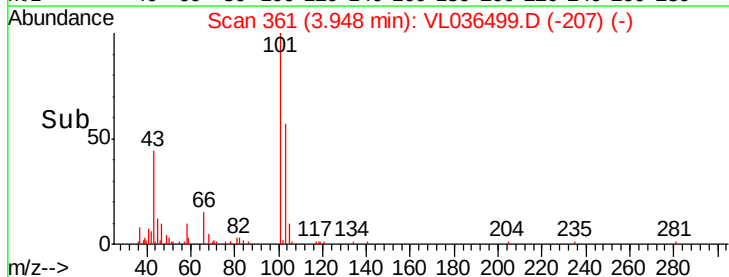
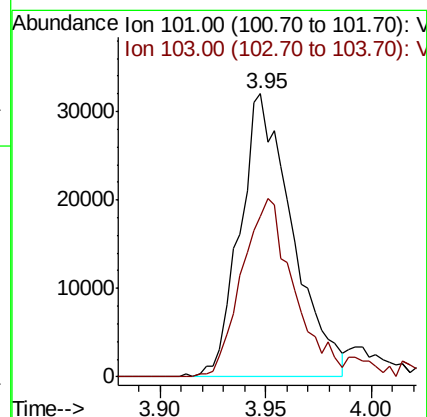
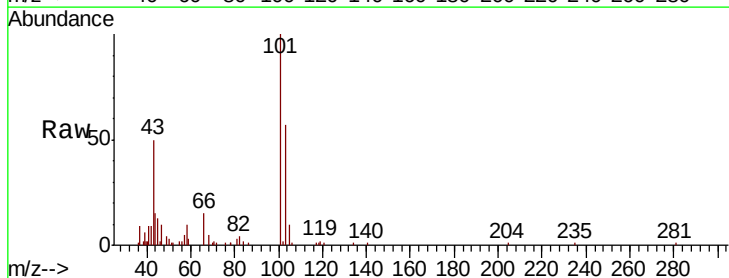
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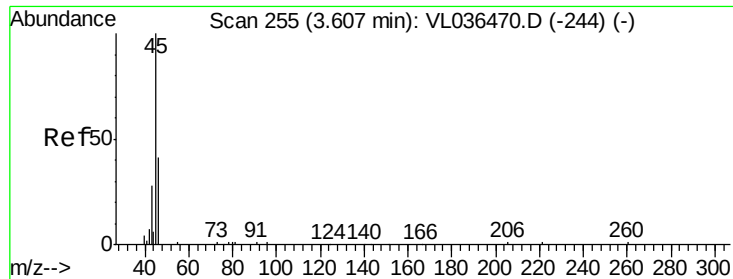
Tgt Ion:101 Resp: 55254

Ion Ratio Lower Upper

101 100

103 56.7 52.5 78.7



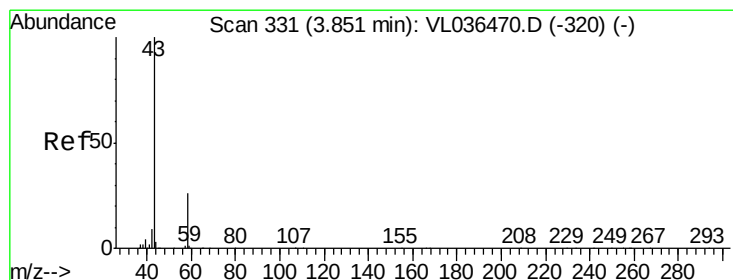
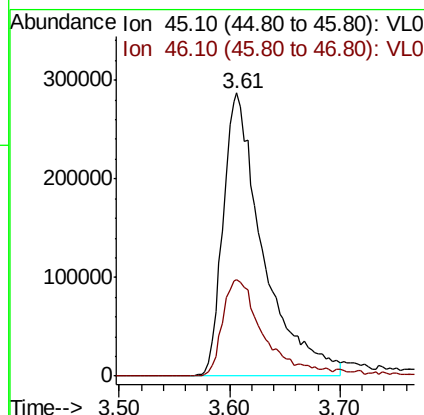
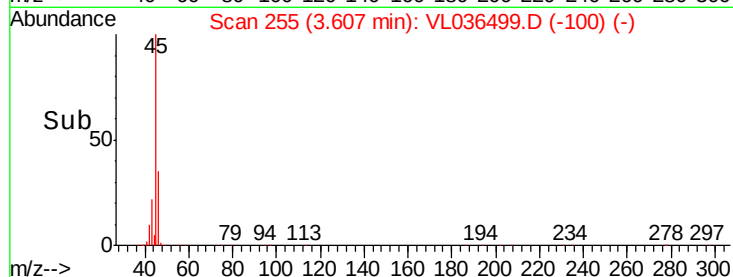
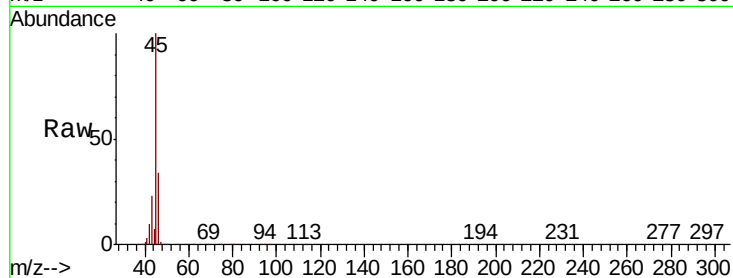


#13
Ethanol
Concen: 69.530 ppbv
RT: 3.61
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 25 Mar 2021 23:34

Tot Ion:
Ion Ratio
45 100
46 36.

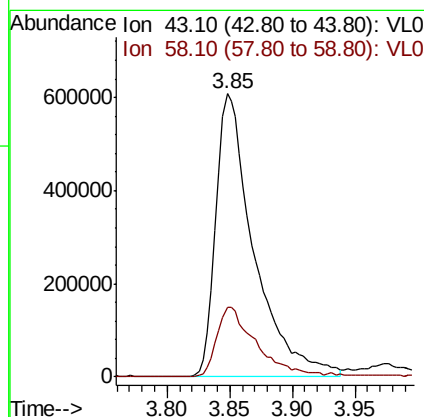
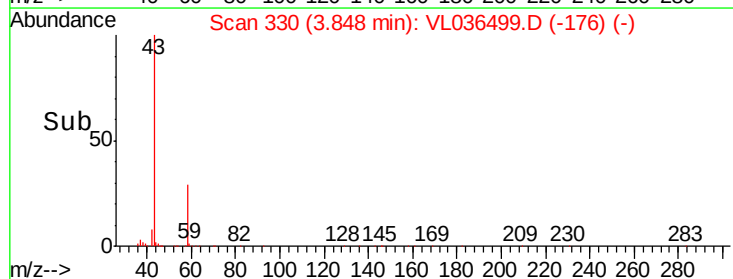
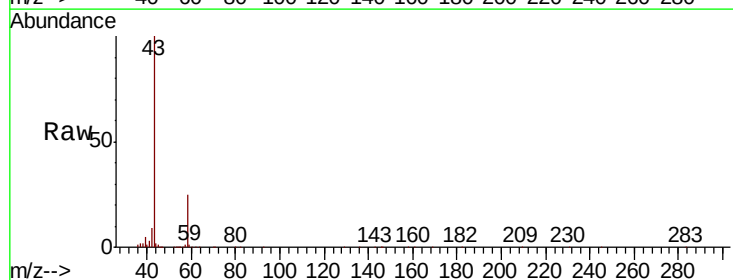
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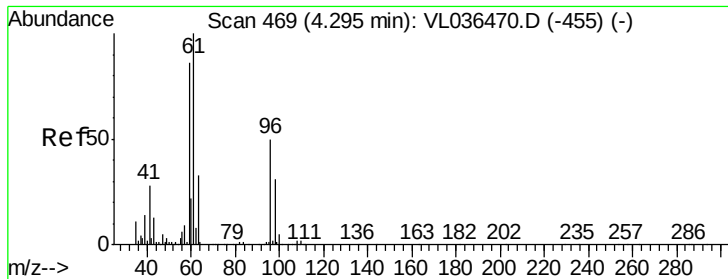
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#15
Acetone
Concen: 8.820 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL036499.D
Acq: 25 Mar 2021 23:34

Tgt Ion: 43 Resp: 1269725
Ion Ratio Lower Upper
43 100
58 26.5 21.2 31.8





#17

tert-Butyl alcohol

Concen: 0.793 ppbv m

RT: 4.30 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 23:34

Tot Ion:

Ion Ratio

59 100

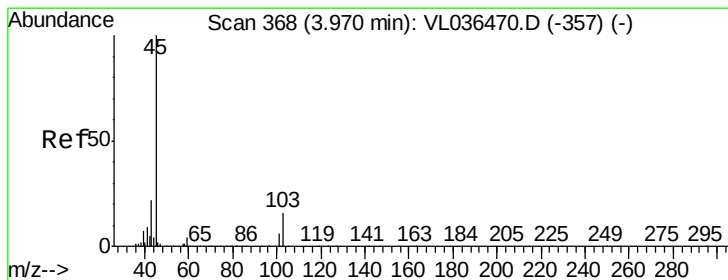
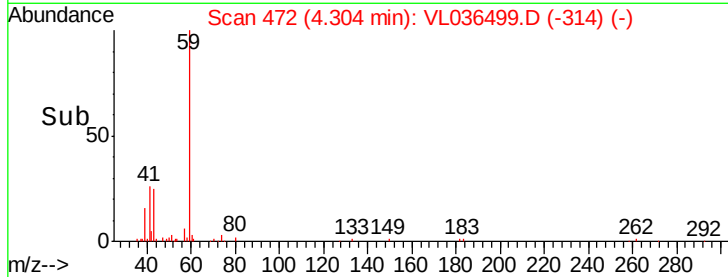
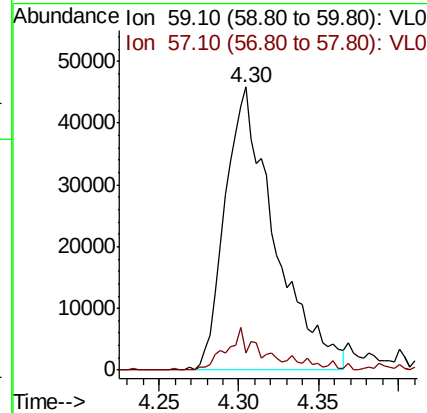
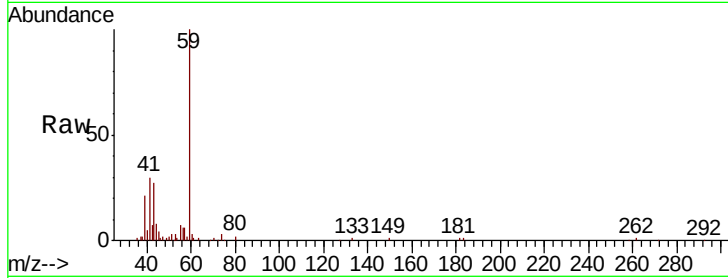
57 12.

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Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



#19

Isopropyl Alcohol

Concen: 1.655 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL036499.D

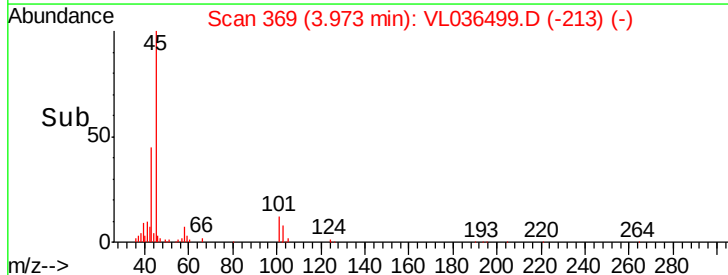
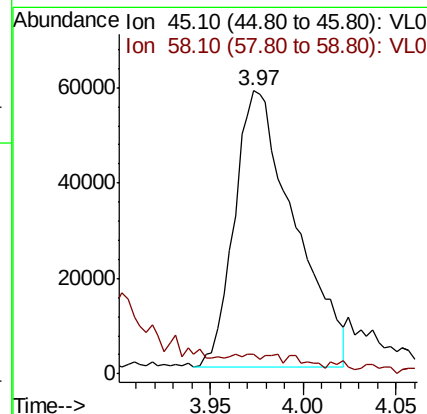
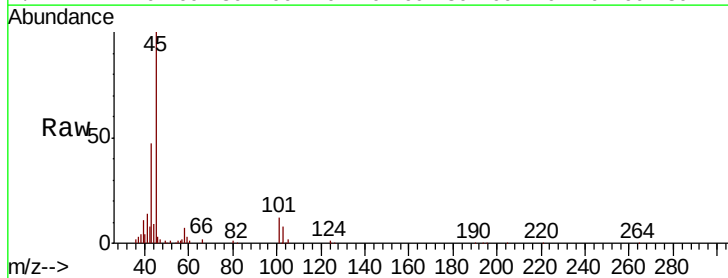
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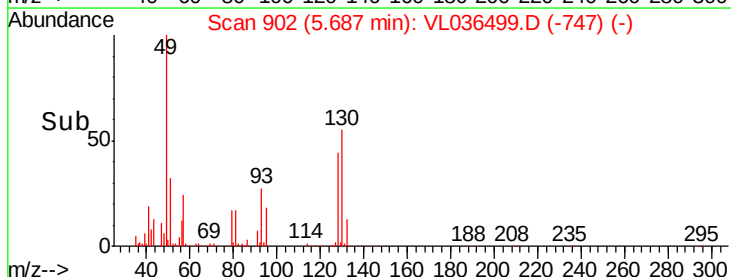
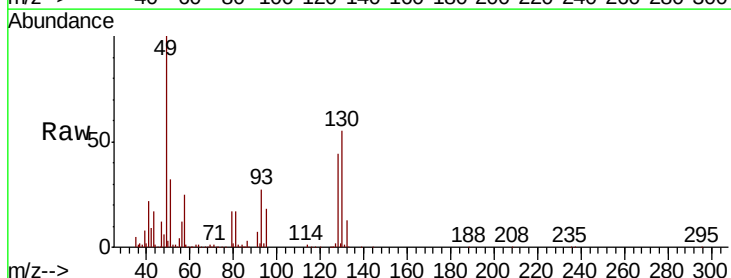
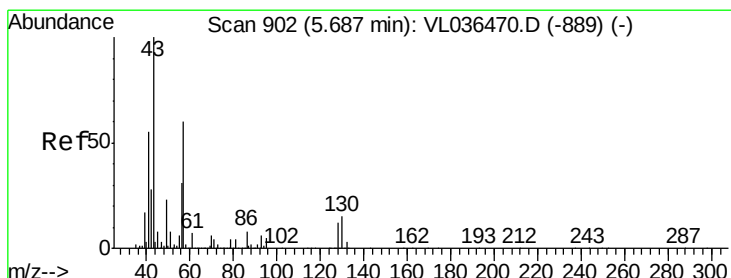
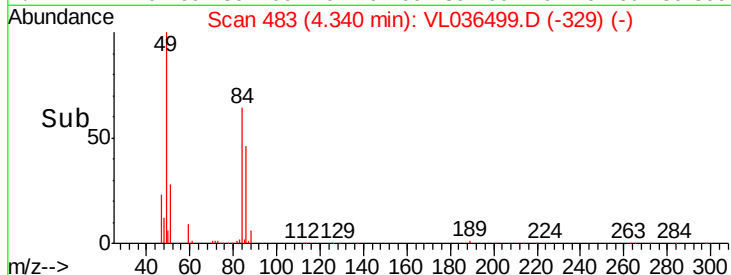
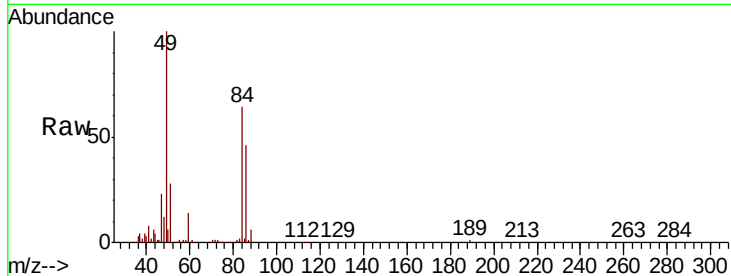
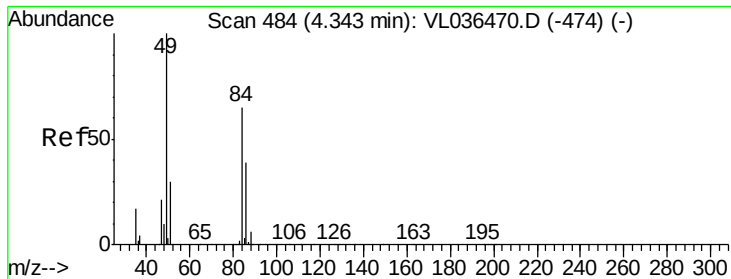
Tgt Ion: 45 Resp: 131020

Ion Ratio Lower Upper

45 100

58 7.7 2.9 4.3#



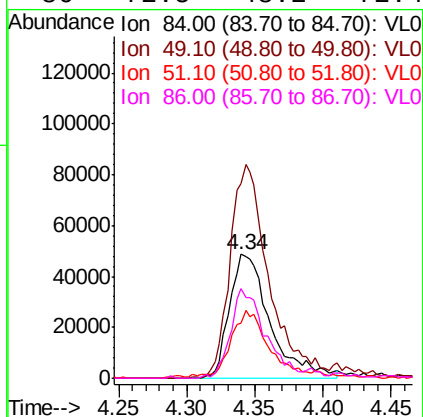


#20
Methylene Chloride
Concen: 1.496 ppbv m
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 25 Mar 2021 23:34

Tot Ion:
Ion Ratio
84 100
49 157.
51 44.
86 72.5 48.2 72.4#

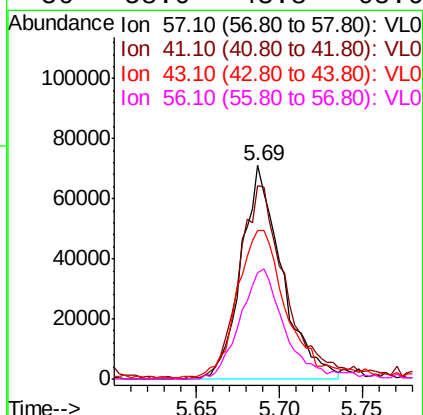
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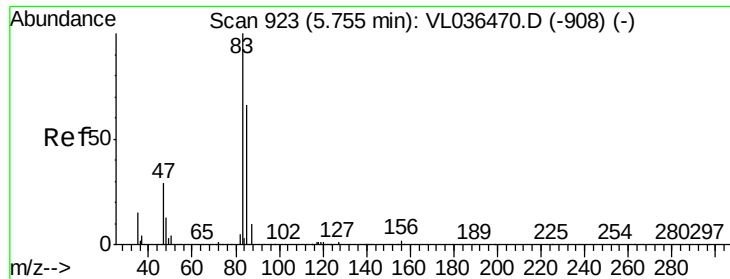
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#26
Hexane
Concen: 0.761 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036499.D
Acq: 25 Mar 2021 23:34

Tgt Ion: 57 Resp: 120862
Ion Ratio Lower Upper
57 100
41 108.7 77.2 115.8
43 88.4 173.8 260.6#
56 58.0 43.8 65.6



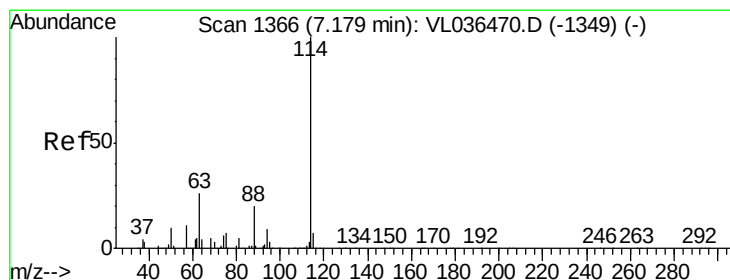
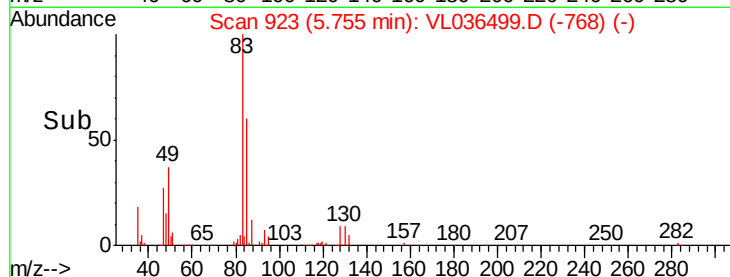
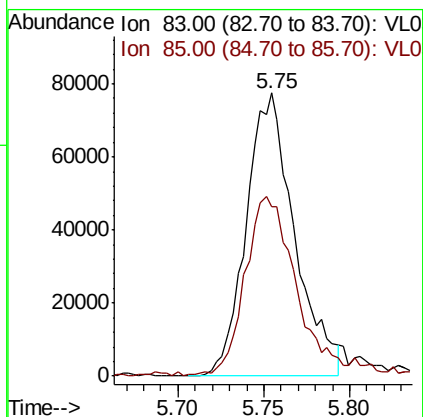
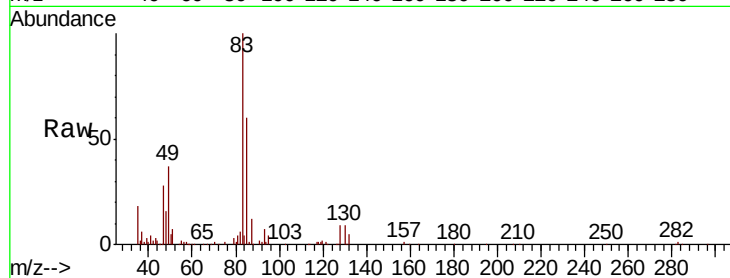


#29
Chloroform
Concen: 0.597 ppbv
RT: 5.75
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 25 Mar 2021 23:34

Tot Ion:
Ion Ratio
83 100
85 59.

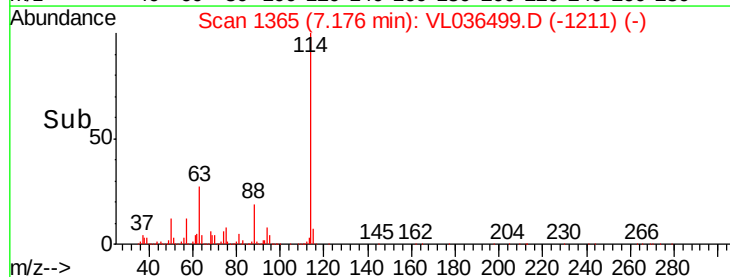
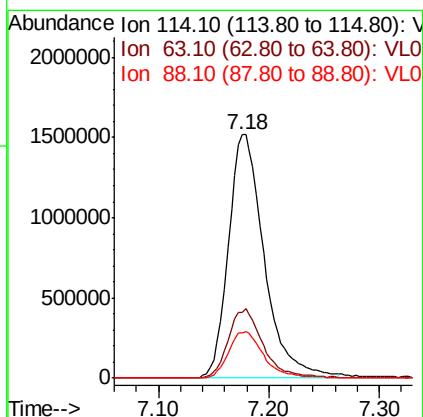
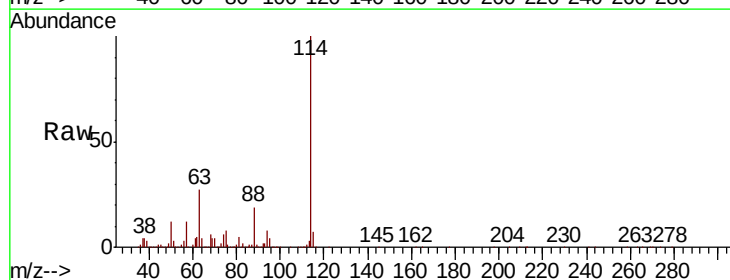
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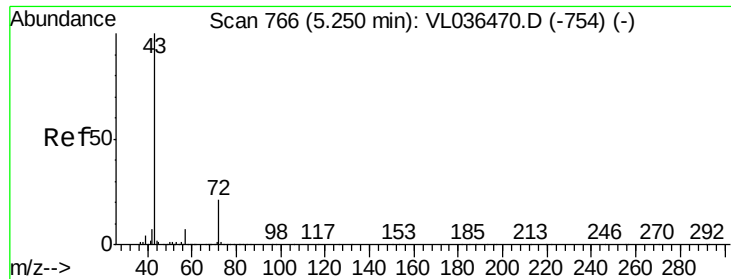
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL036499.D
Acq: 25 Mar 2021 23:34

Tgt Ion:114 Resp: 3412886
Ion Ratio Lower Upper
114 100
63 28.1 22.4 33.6
88 19.2 15.4 23.0



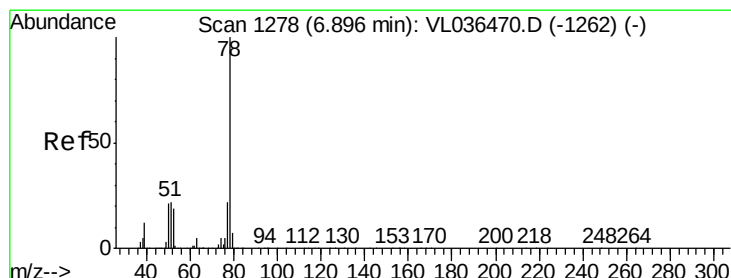
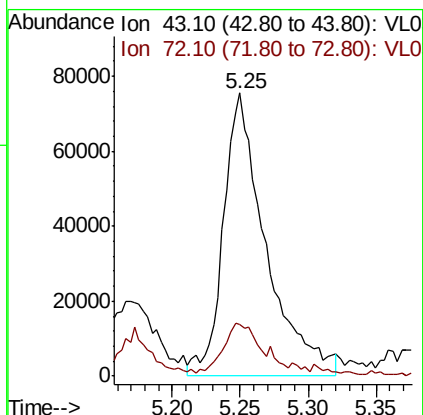
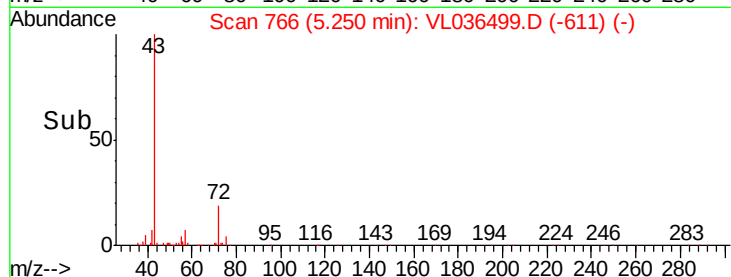
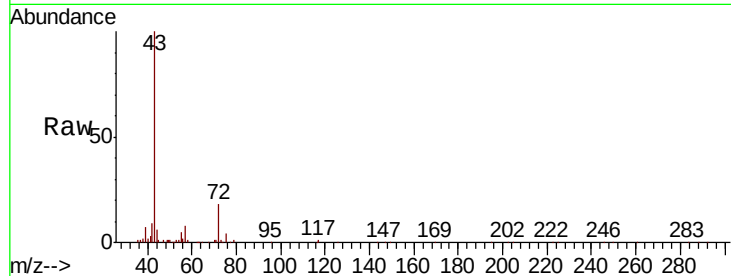


#34
2-Butanone
Concen: 0.987 ppbv m
RT: 5.25
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 25 Mar 2021 23:34

Tot Ion:
Ion Ratio
43 100
72 18.

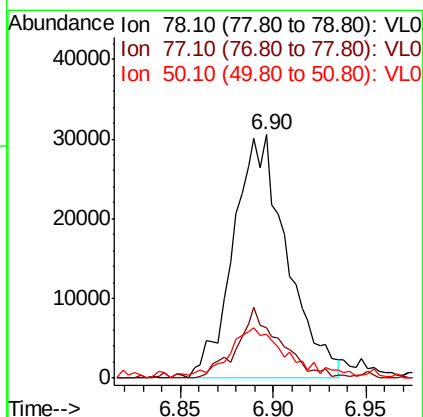
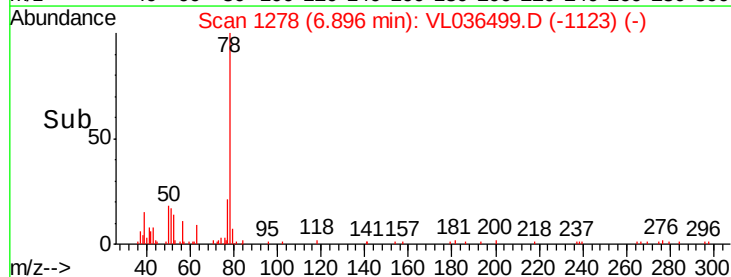
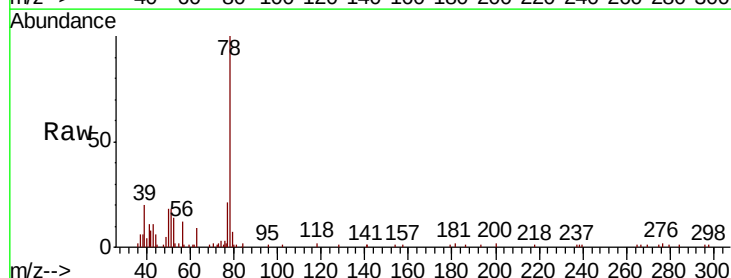
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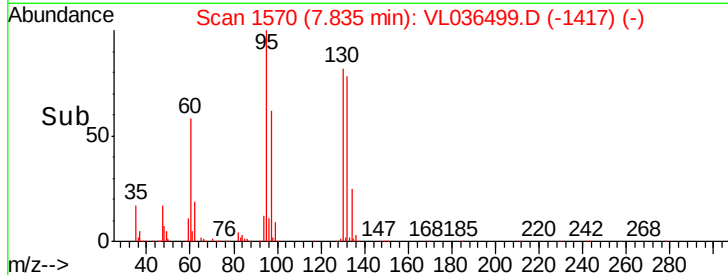
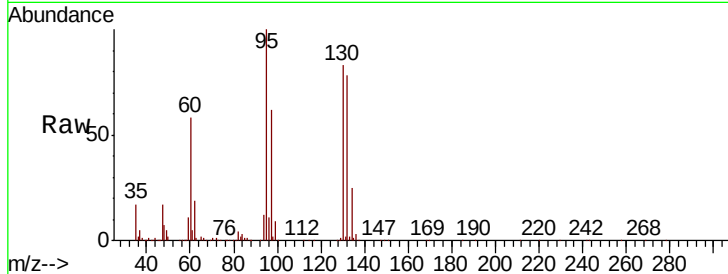
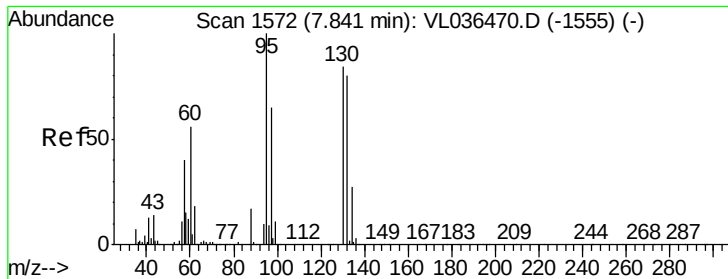
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#36
Benzene
Concen: 0.194 ppbv m
RT: 6.90 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL036499.D
Acq: 25 Mar 2021 23:34

Tgt Ion: 78 Resp: 61030
Ion Ratio Lower Upper
78 100
77 20.9 18.0 27.0
50 18.3 16.5 24.7



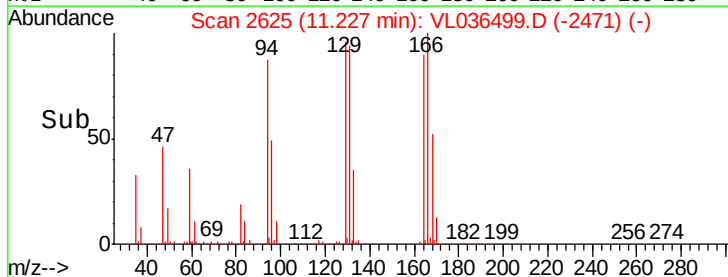
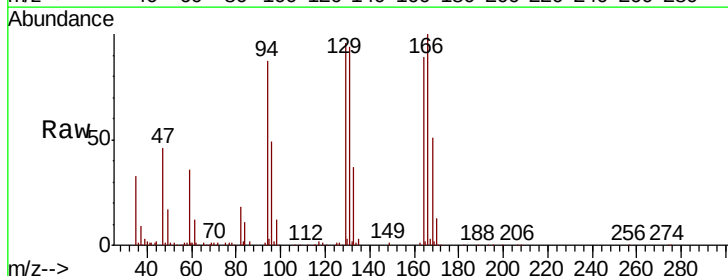
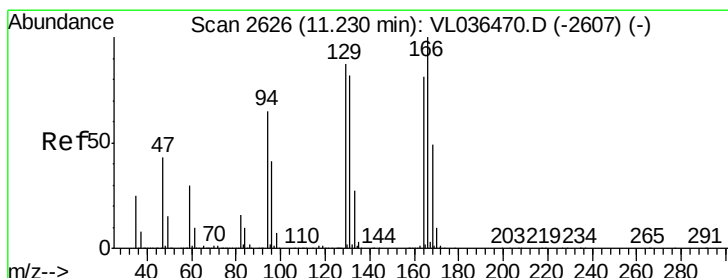
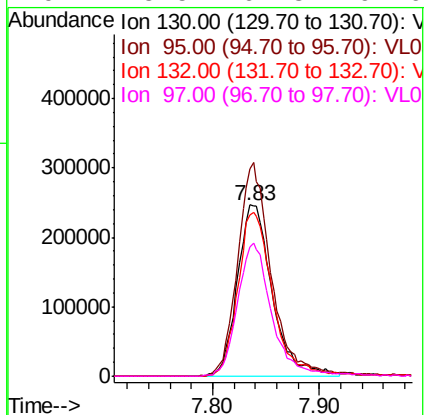


#38
 Trichloroethene
 Concen: 4.583 ppbv m
 RT: 7.83
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 23:34

Tot Ion:1
 Ion Ratio
 130 100
 95 121.
 132 94.
 97 75.5 61.8 92.6

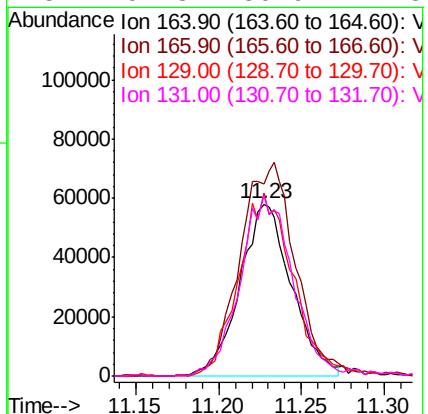
Manual Integrations
 APPROVED

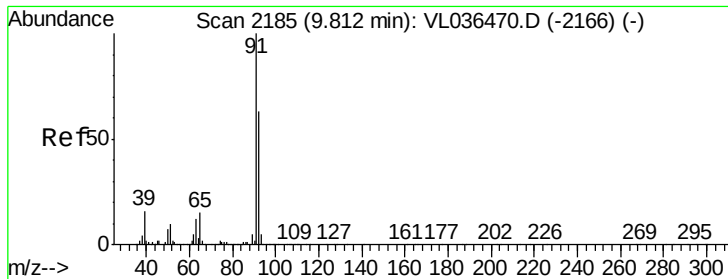
Reviewed By :Semsettin Yesilyurt 03/28/2021
 Supervised By :Mahesh Dadoda 03/29/2021



#52
 Tetrachloroethene
 Concen: 1.084 ppbv
 RT: 11.23 min Scan# 2625
 Delta R.T. -0.00 min
 Lab File: VL036499.D
 Acq: 25 Mar 2021 23:34

Tgt Ion:164 Resp: 125625
 Ion Ratio Lower Upper
 164 100
 166 111.3 98.3 147.5
 129 106.9 85.8 128.8
 131 104.8 80.9 121.3





#53

Toluene

Concen: 0.422 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 23:34 GOI-SG-2(2021)

Tot Ion:

Ion Ratio

91 100

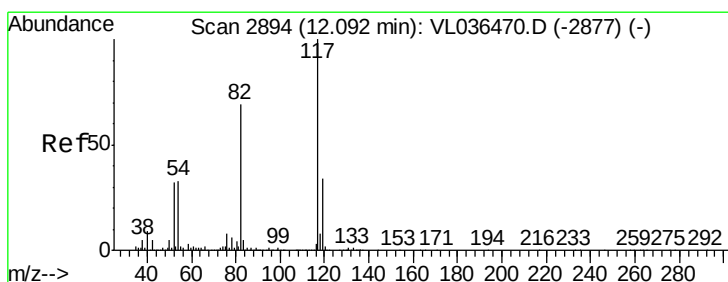
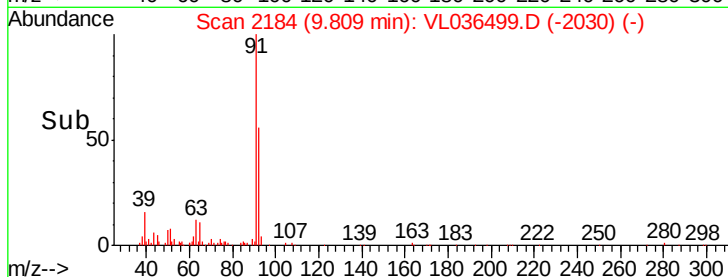
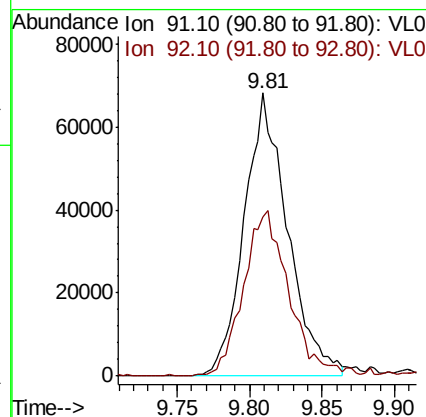
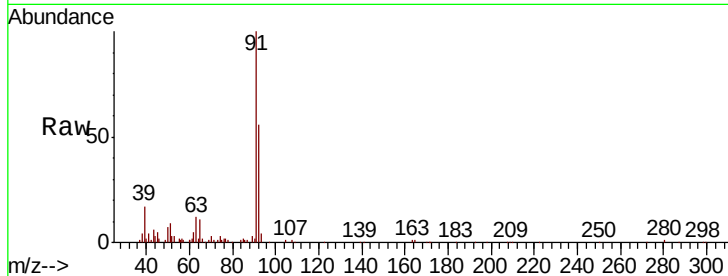
92 62.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL036499.D

Acq: 25 Mar 2021 23:34

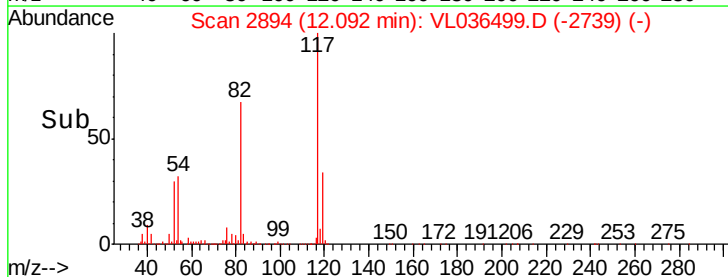
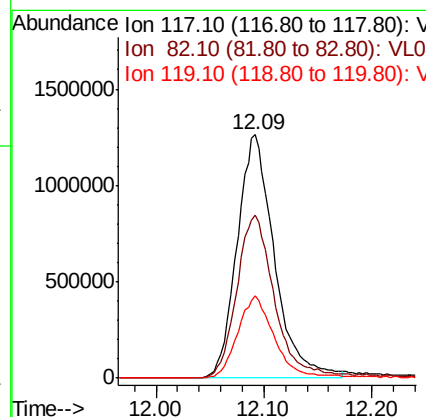
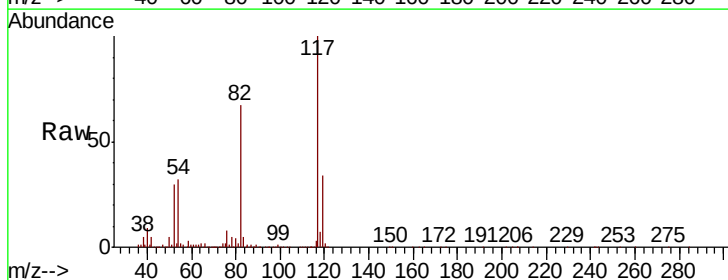
Tgt Ion:117 Resp: 3045208

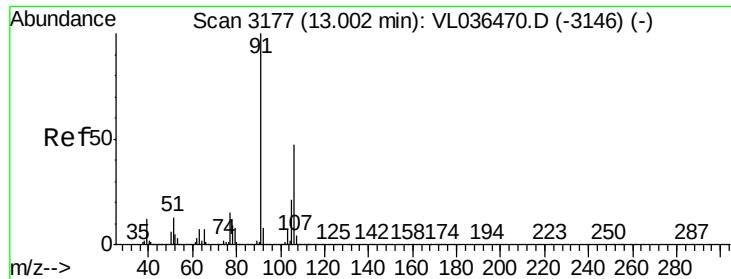
Ion Ratio Lower Upper

117 100

82 70.1 57.4 86.0

119 34.8 47.4 71.0#



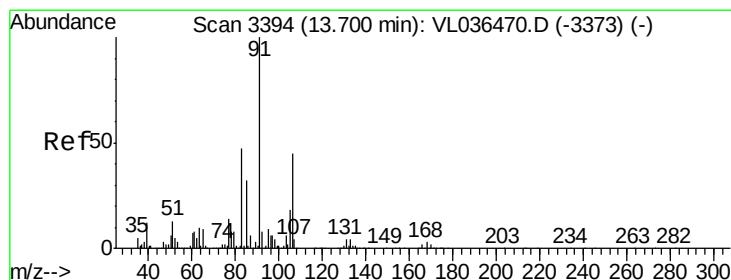
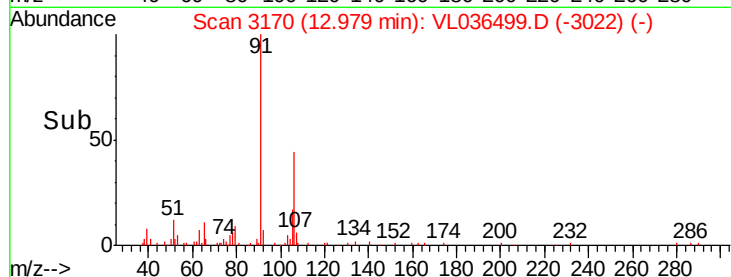
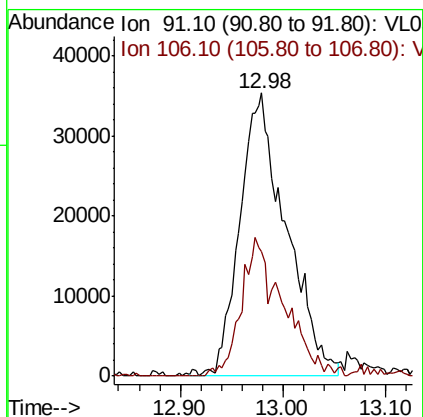
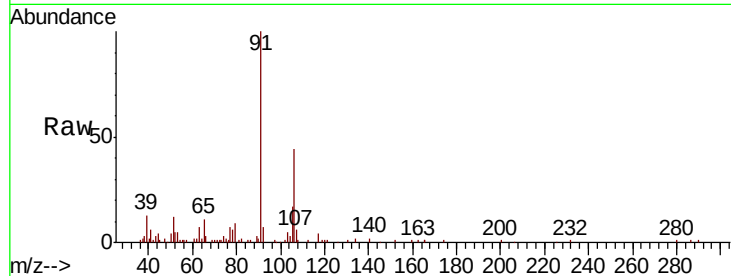


#59
m/p-Xylene
Concen: 0.287 ppbv m
RT: 12.98
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 25 Mar 2021 23:34

Tot Ion:
Ion Ratio
91 100
106 0.

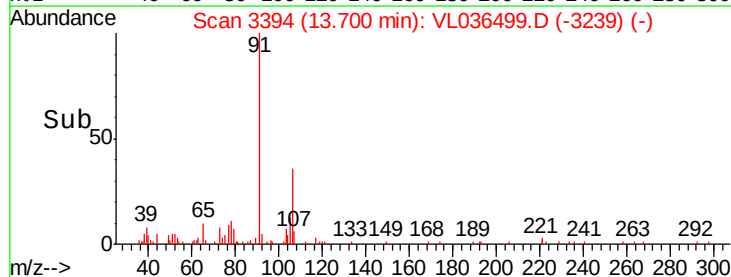
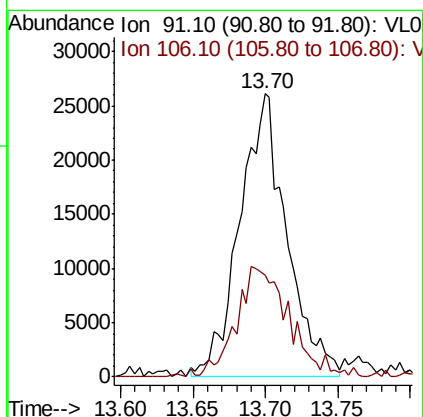
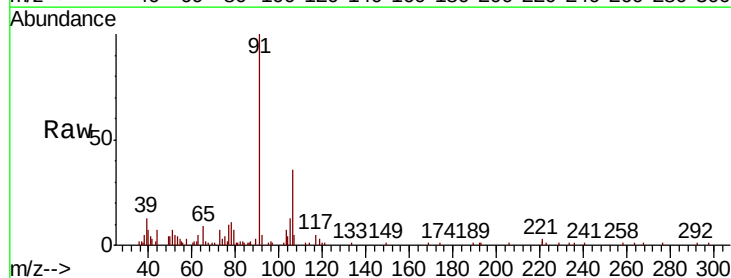
Manual Integrations
APPROVED

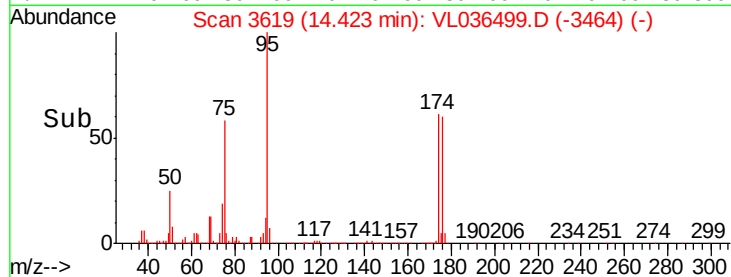
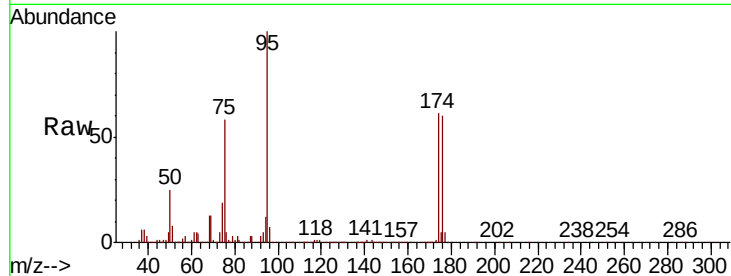
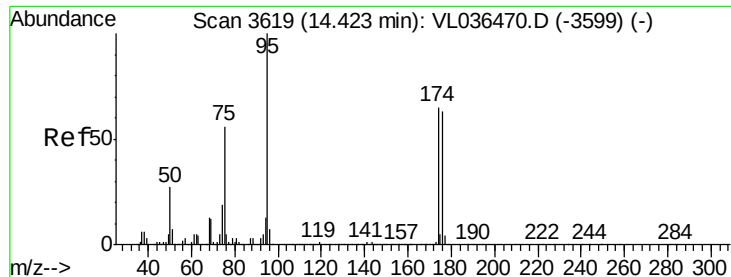
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#60
o-Xylene
Concen: 0.158 ppbv m
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL036499.D
Acq: 25 Mar 2021 23:34

Tgt Ion: 91 Resp: 59139
Ion Ratio Lower Upper
91 100
106 44.3 22.3 66.9





#68

1-Bromo-4-Fluorobenzene

Concen: 9.482 ppbv

RT: 14.42

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 23:34

Tot Ion:

Ion Ratio

95 100

174 67.

175 4.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021

