

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036483.D
 Acq On : 25 Mar 2021 12:59
 Operator : SY/AP
 Sample : M1801-05DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA2DUP

Manual Integrations
 APPROVED

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

Quant Time: Mar 28 23:10:38 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	5.66	49	1400909	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3217596	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2857151	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2238147	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	37011m	0.162	ppbv	
3) Chlorodifluoromethane	2.98	51	259445m	0.991	ppbv	
4) Chloromethane	3.14	50	51538m	0.557	ppbv	
9) Propene	3.02	41	214067m	2.565	ppbv	
11) Trichlorofluoromethane	3.94	101	56935m	0.245	ppbv	
13) Ethanol	3.61	45	3656155	367.950	ppbv	92
15) Acetone	3.85	43	789190	5.724	ppbv	95
19) Isopropyl Alcohol	3.98	45	479507	6.322	ppbv	99
20) Methylene Chloride	4.34	84	1562709	24.207	ppbv	91
26) Hexane	5.68	57	1225716	8.057	ppbv #	49
30) Cyclohexane	7.15	84	17265m	0.140	ppbv	
35) Carbon Tetrachloride	7.01	117	15479m	0.063	ppbv	
36) Benzene	6.89	78	71035	0.239	ppbv	98
44) 2,2,4-Trimethylpentane	7.87	57	53589m	0.103	ppbv	
52) Tetrachloroethene	11.21	164	28223m	0.258	ppbv	
53) Toluene	9.80	91	951759	3.012	ppbv	100
59) m/p-Xylene	12.97	91	93611m	0.258	ppbv	
60) o-Xylene	13.69	91	33589m	0.096	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	42297m	0.110	ppbv	

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

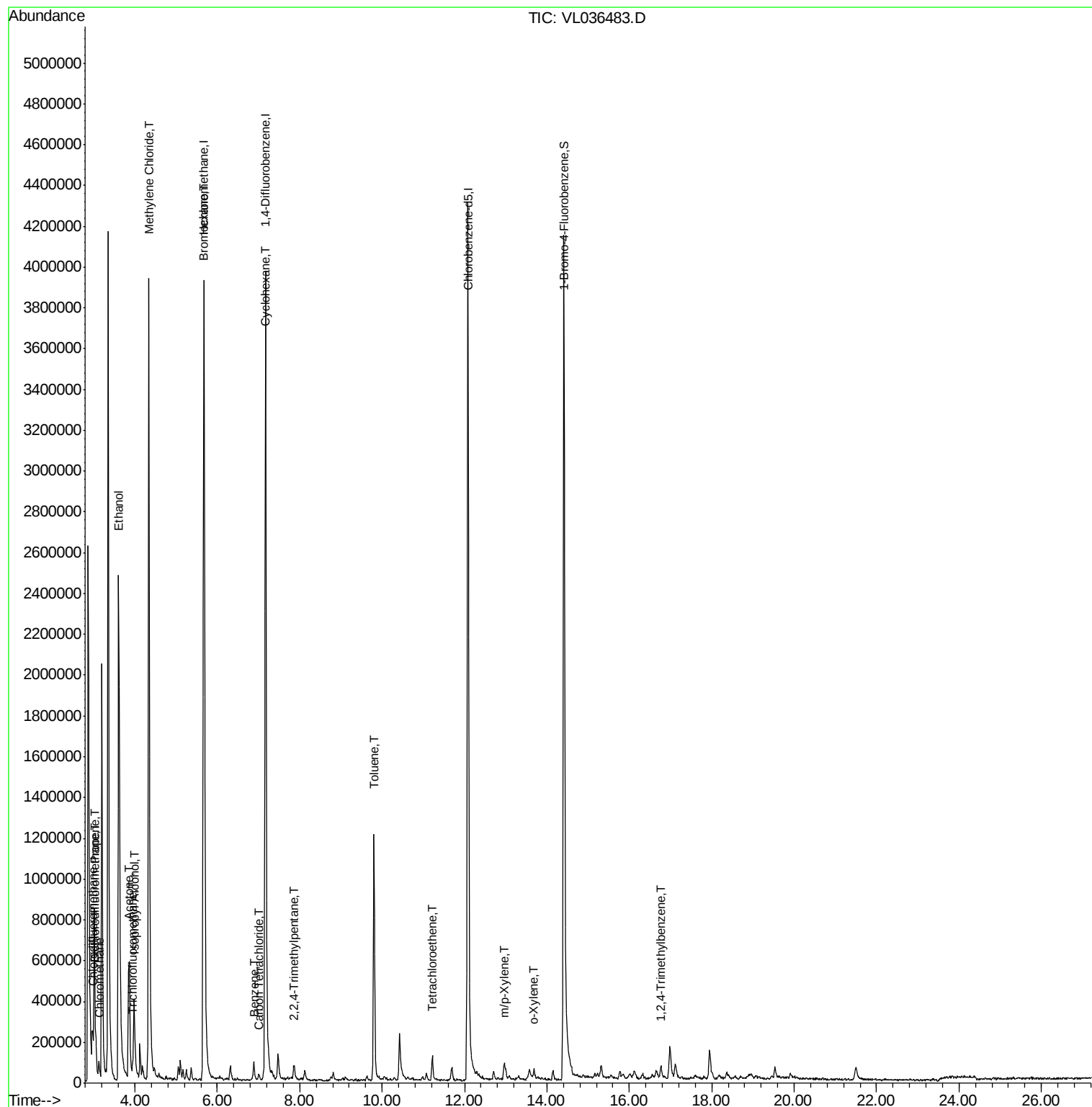
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032521\
Data File : VL036483.D
Acq On : 25 Mar 2021 12:59
Operator : SY/AP
Sample : M1801-05DUP
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA2DUP

Acq: 25 Mar 2021 12:59

Tot Ion:

Ion Ratio

49 100

128 42.

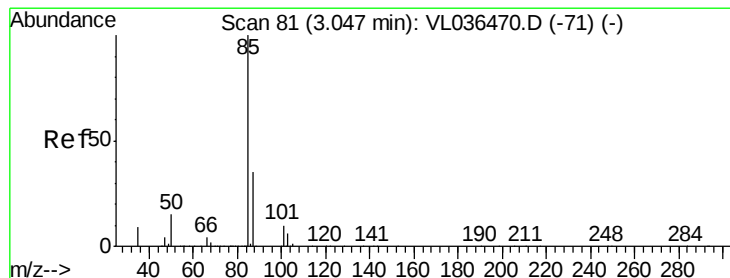
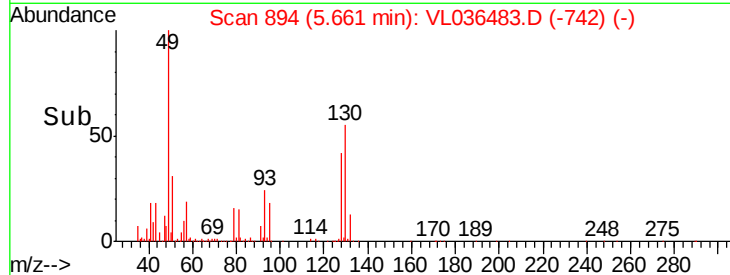
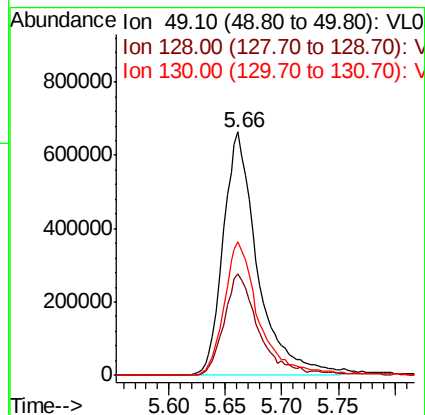
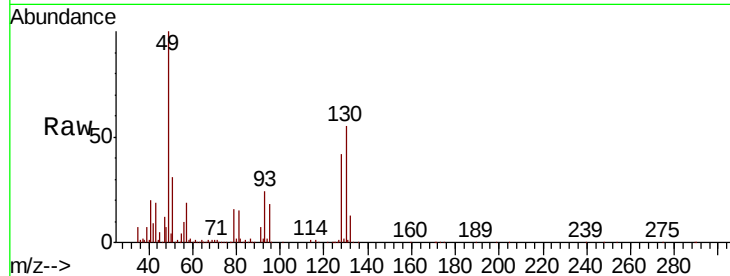
130 56.

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 0.162 ppbv m

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036483.D

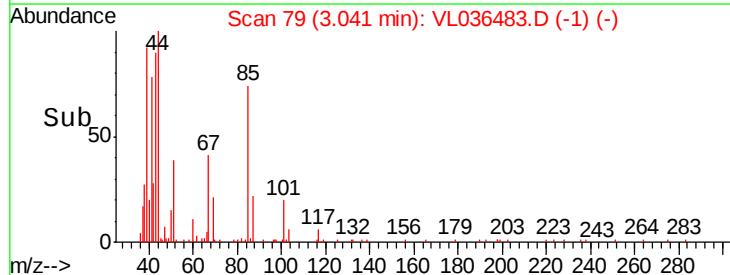
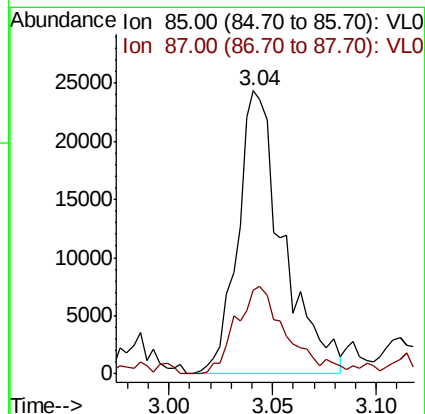
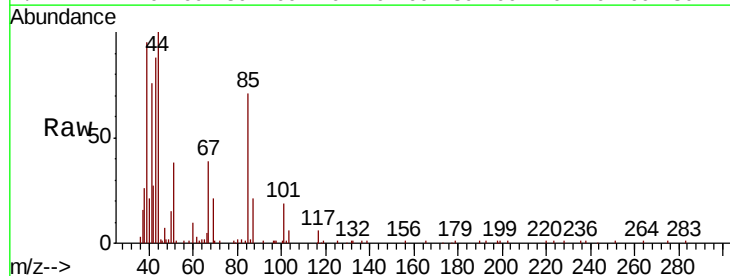
Acq: 25 Mar 2021 12:59

Tgt Ion: 85 Resp: 37011

Ion Ratio Lower Upper

85 100

87 29.5 27.8 41.8





#3

Chlorodifluoromethane

Concen: 0.991 ppbv m

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA2DUP

Acq: 25 Mar 2021 12:59

Tot Ion:

Ion Ratio

51 100

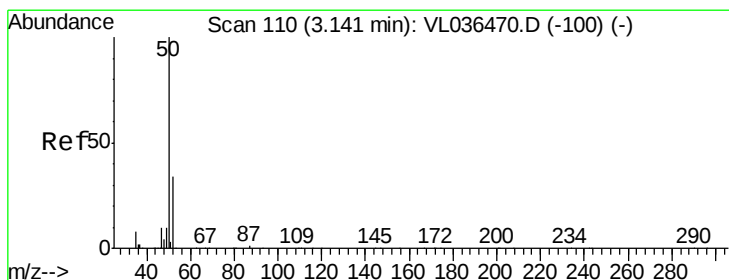
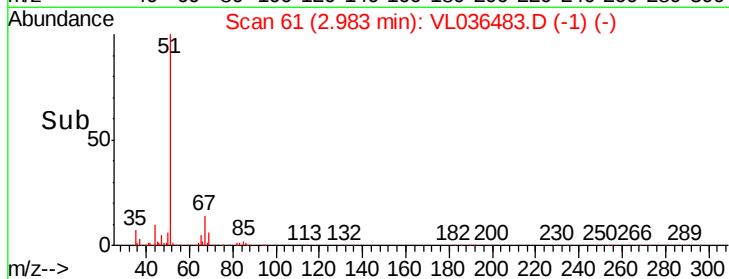
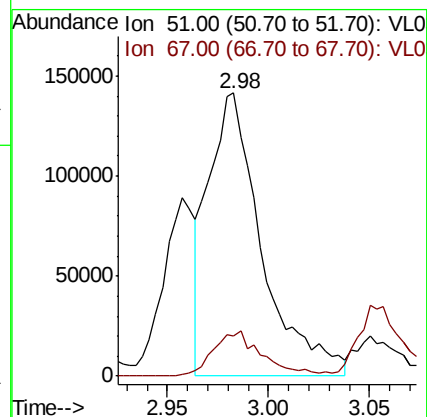
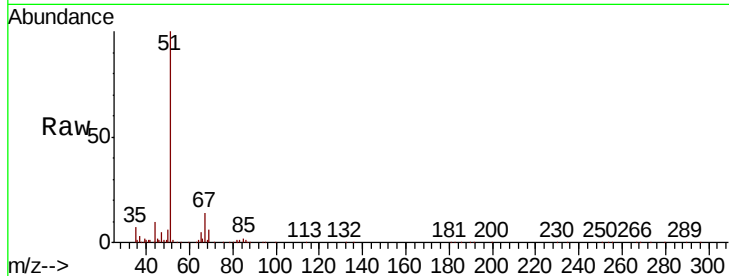
67 14.

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#4

Chloromethane

Concen: 0.557 ppbv m

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL036483.D

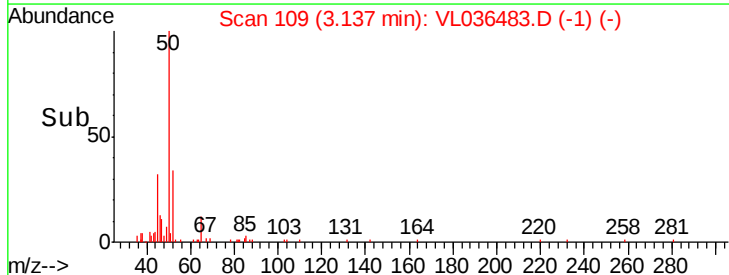
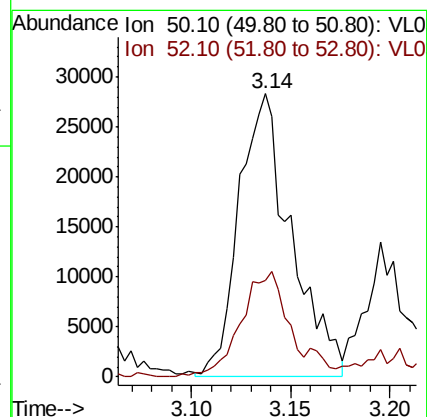
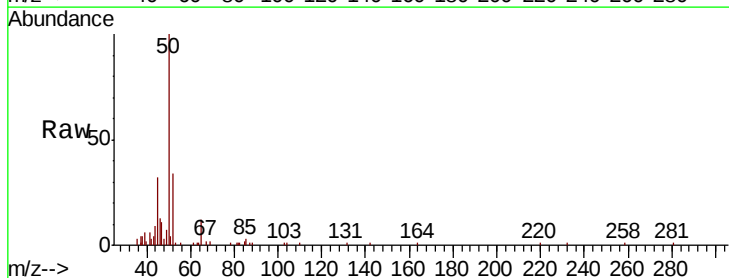
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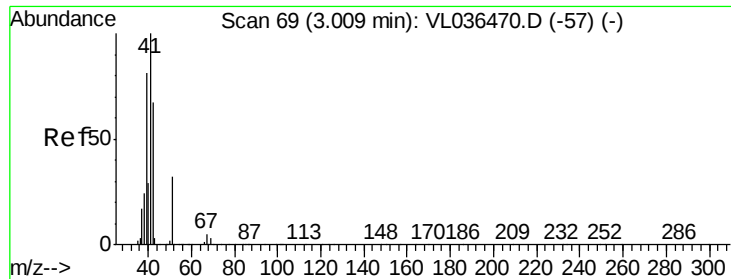
Tgt Ion: 50 Resp: 51538

Ion Ratio Lower Upper

50 100

52 34.1 27.0 40.6





#9

Propene

Concen: 2.565 ppbv m

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 12:59

Tot Ion:

Ion Ratio

41 100

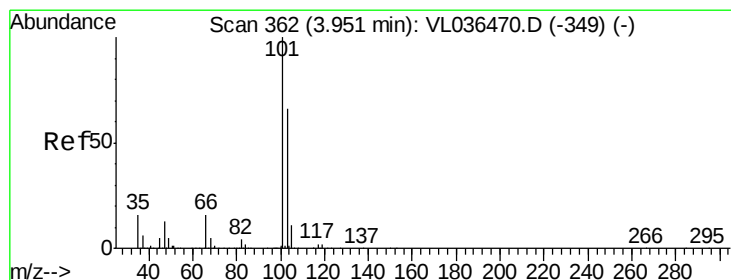
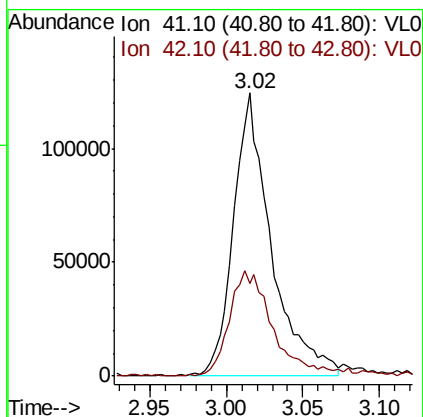
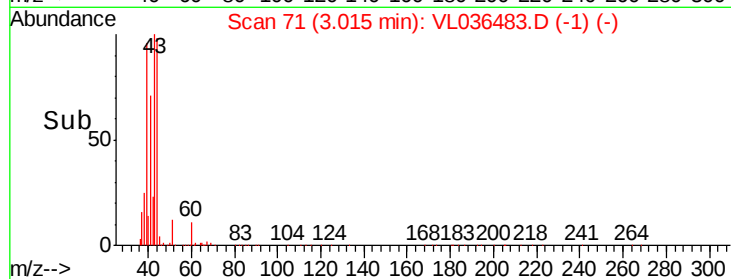
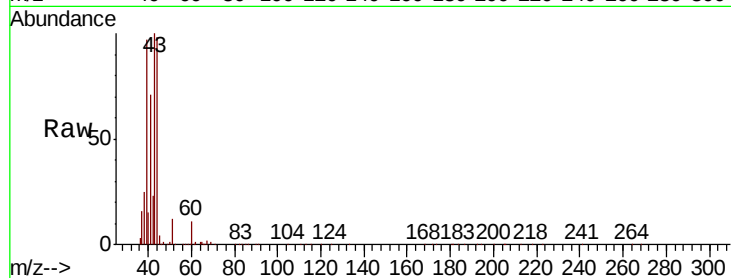
42 218.

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Supervised By :Mahesh Dadoda 03/29/2021



#11

Trichlorofluoromethane

Concen: 0.245 ppbv m

RT: 3.94 min Scan# 358

Delta R.T. -0.01 min

Lab File: VL036483.D

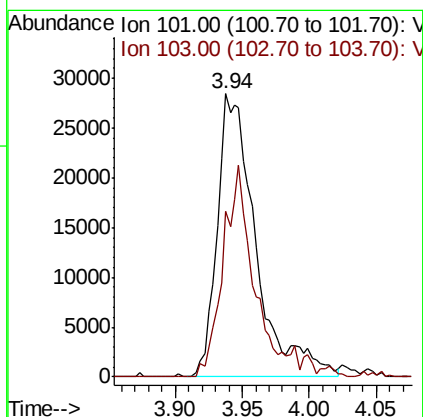
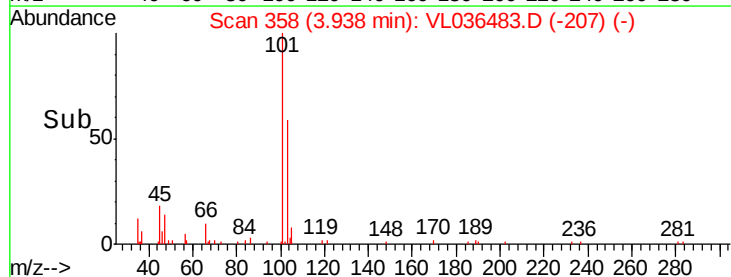
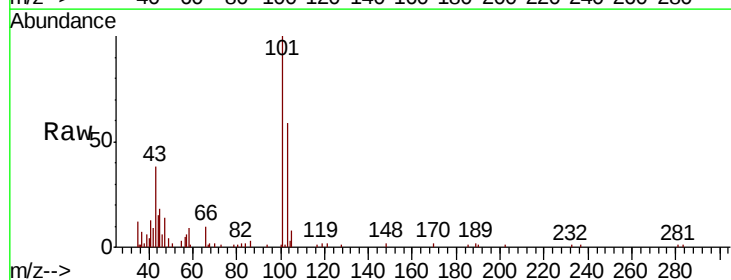
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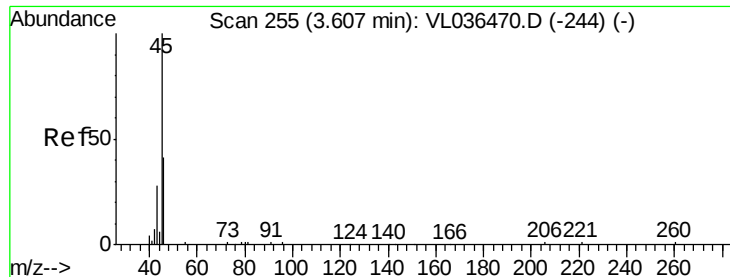
Tgt Ion:101 Resp: 56935

Ion Ratio Lower Upper

101 100

103 58.6 52.5 78.7



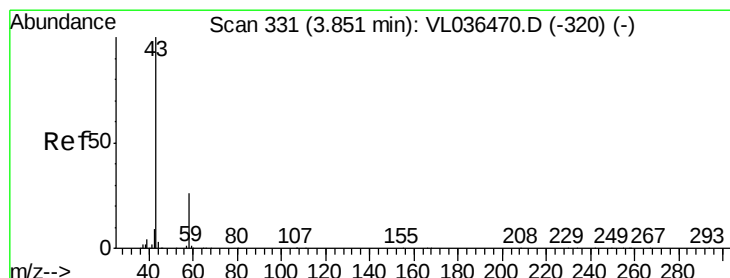
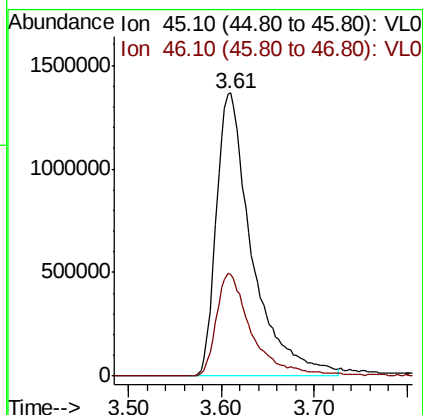
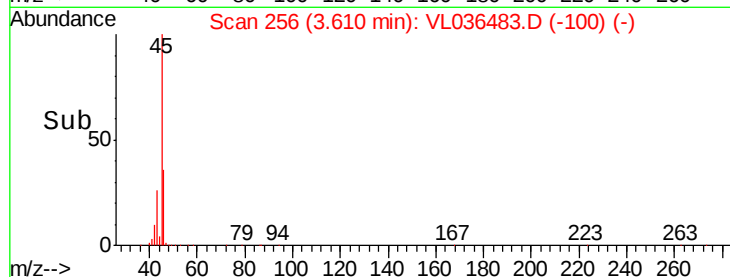
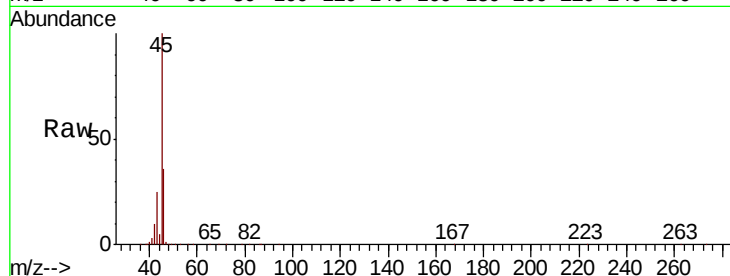


#13
 Ethanol
 Concen: 367.950 ppbv
 RT: 3.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 12:59

Tot Ion:
 Ion Ratio
 45 100
 46 36.

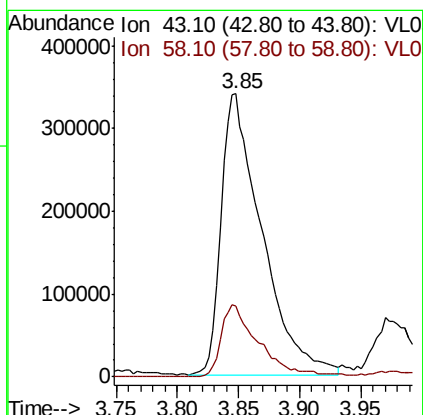
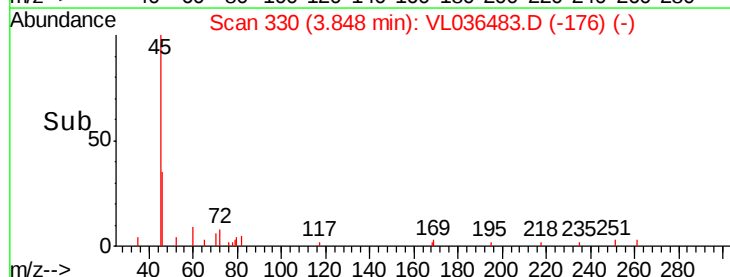
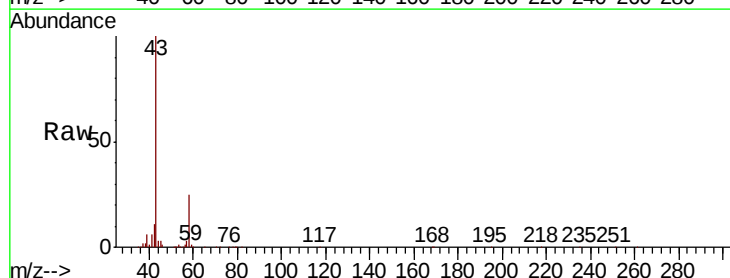
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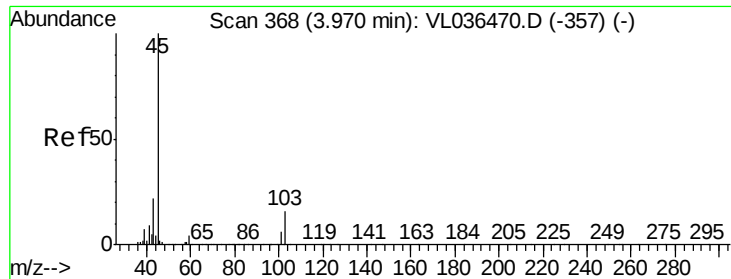
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 Supervised By :Mahesh Dadoda 03/29/2021



#15
 Acetone
 Concen: 5.724 ppbv
 RT: 3.85 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VL036483.D
 Acq: 25 Mar 2021 12:59

Tgt Ion: 43 Resp: 789190
 Ion Ratio Lower Upper
 43 100
 58 24.0 21.2 31.8



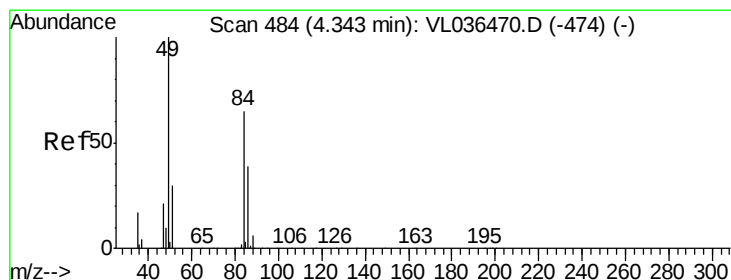
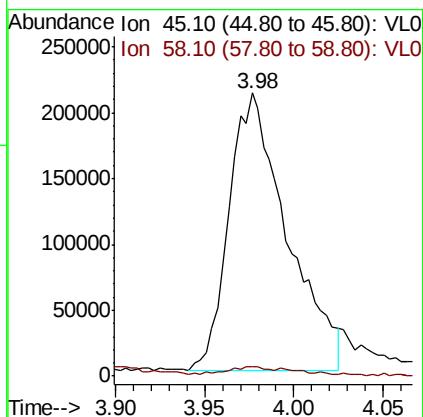
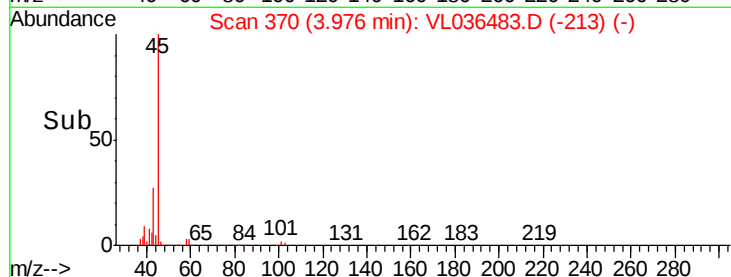
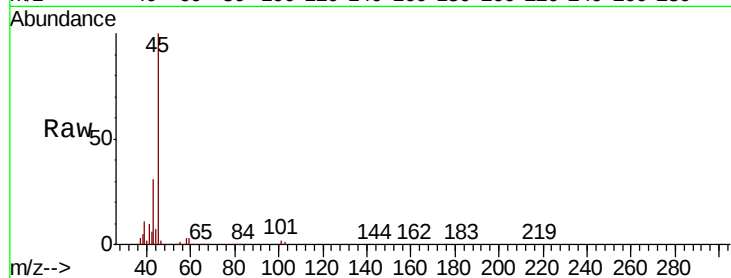


#19
Isopropyl Alcohol
Concen: 6.322 ppbv
RT: 3.98
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 25 Mar 2021 12:59

Tot Ion:
Ion Ratio
45 100
58 4.

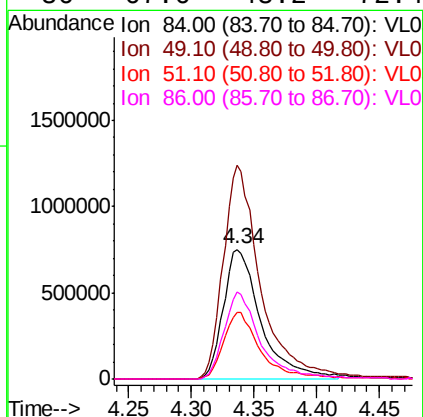
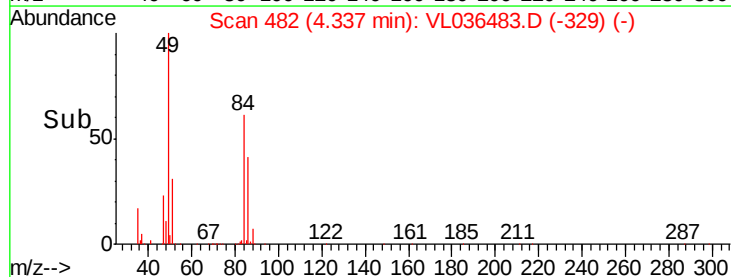
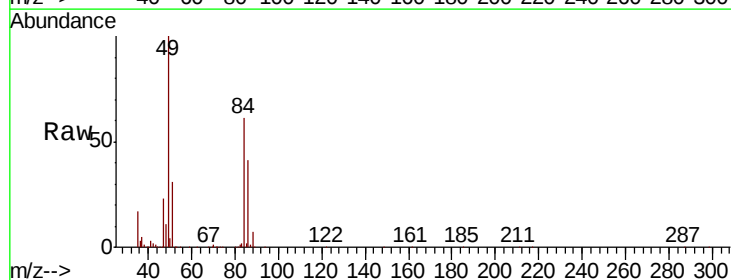
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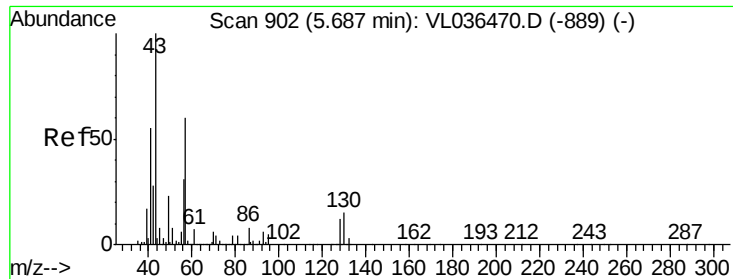
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#20
Methylene Chloride
Concen: 24.207 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL036483.D
Acq: 25 Mar 2021 12:59

Tgt Ion: 84 Resp: 1562709
Ion Ratio Lower Upper
84 100
49 164.8 122.9 184.3
51 51.6 36.9 55.3
86 67.6 48.2 72.4



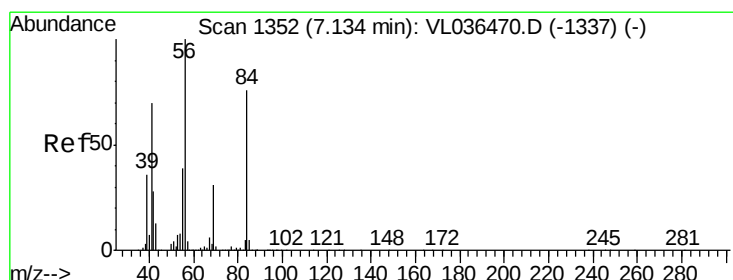
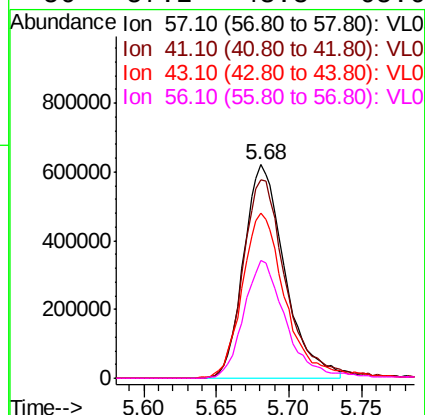
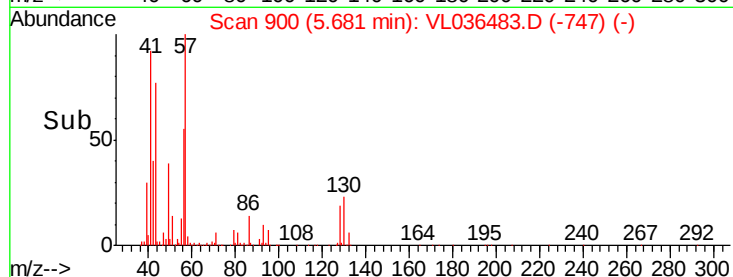
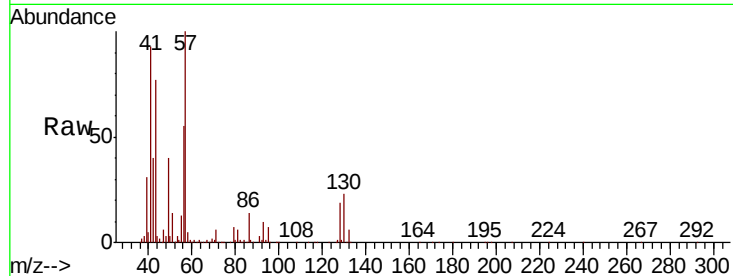


#26
Hexane
Concen: 8.057 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 12:59

Tot Ion: 57.10 (56.80 to 57.80): VL0
Ion Ratio: 57 100
41 99.
43 82.
56 57.2 43.8 65.6

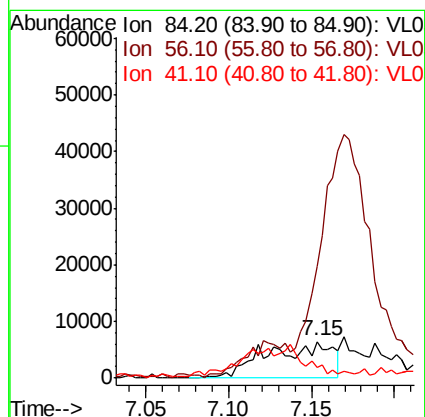
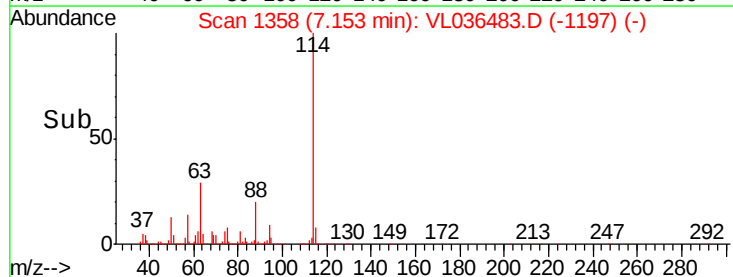
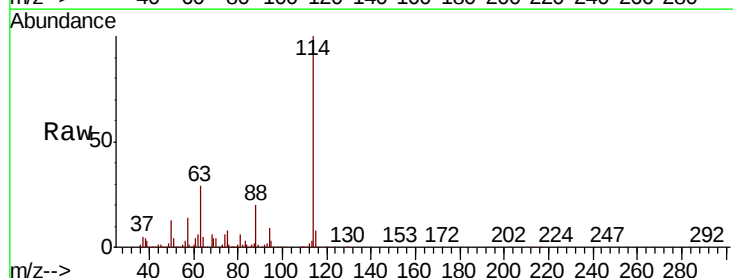
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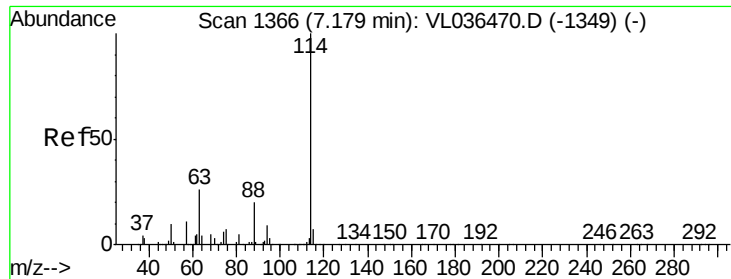
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#30
Cyclohexane
Concen: 0.140 ppbv m
RT: 7.15 min Scan# 1358
Delta R.T. 0.02 min
Lab File: VL036483.D
Acq: 25 Mar 2021 12:59

Tgt Ion: 84 Resp: 17265
Ion Ratio Lower Upper
84 100
56 0.0 114.6 171.8#
41 0.0 75.3 112.9#



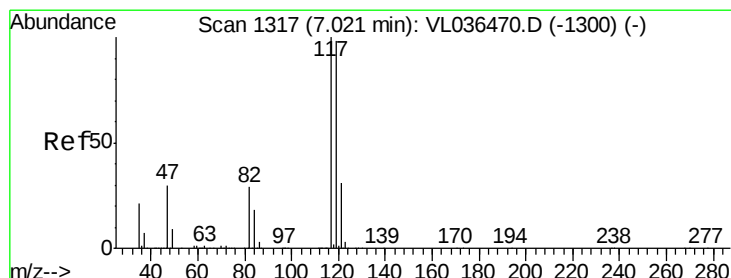
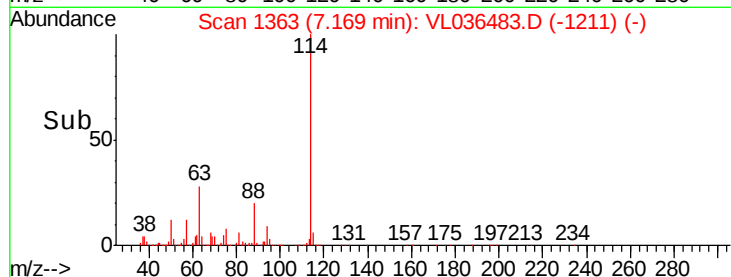
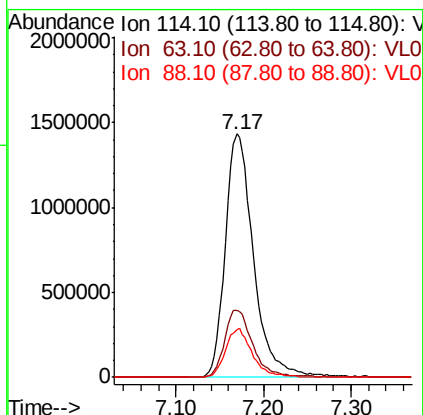
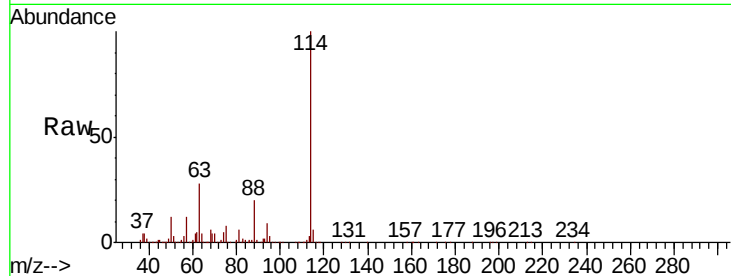


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 12:59

Tot Ion:1
 Ion Rati
 114 100
 63 27.
 88 19.

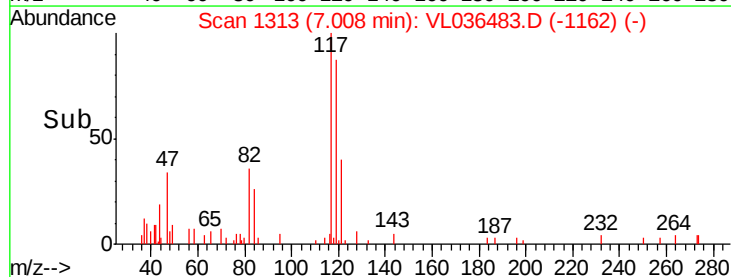
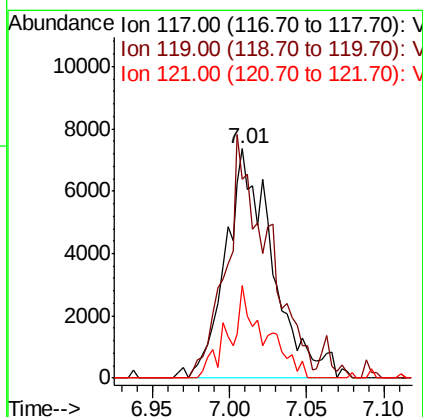
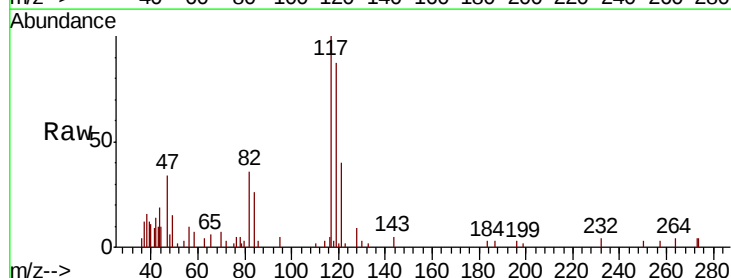
Manual Integrations
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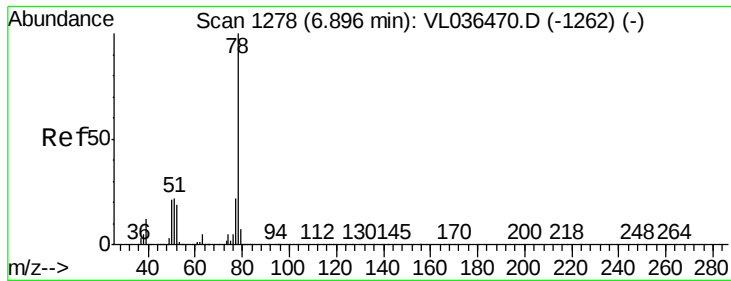
Reviewed By :Semsettin Yesilyurt 03/28/2021
 Supervised By :Mahesh Dadoda 03/29/2021



#35
 Carbon Tetrachloride
 Concen: 0.063 ppbv m
 RT: 7.01 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: VL036483.D
 Acq: 25 Mar 2021 12:59

Tgt Ion:117 Resp: 15479
 Ion Ratio Lower Upper
 117 100
 119 86.9 78.2 117.2
 121 40.3 24.5 36.7#



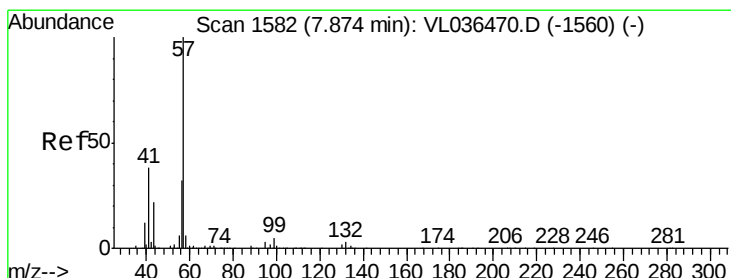
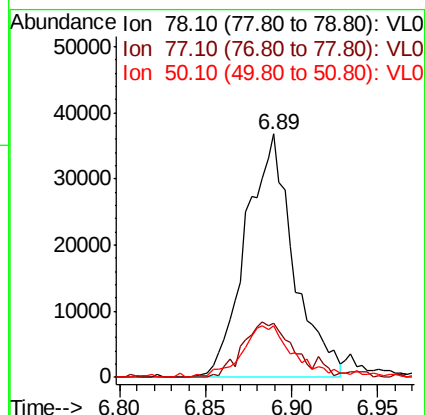
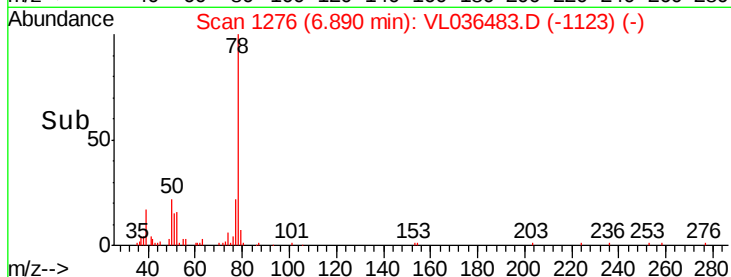
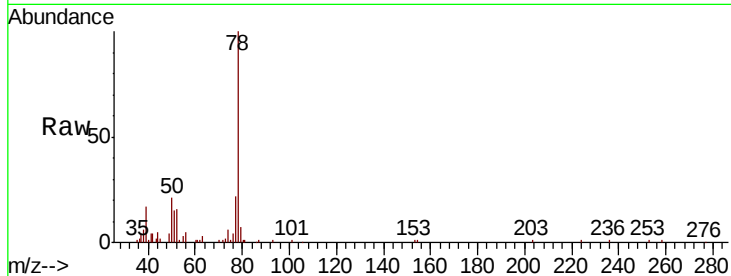


#36
Benzene
Concen: 0.239 ppbv
RT: 6.89
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 12:59

Tot Ion:
Ion Ratio
78 100
77 21.
50 21.

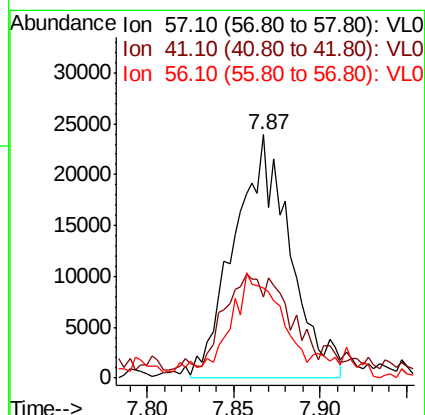
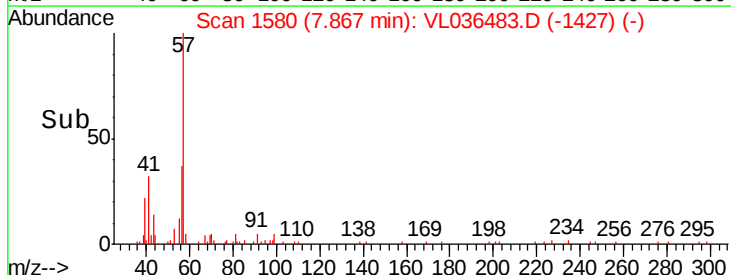
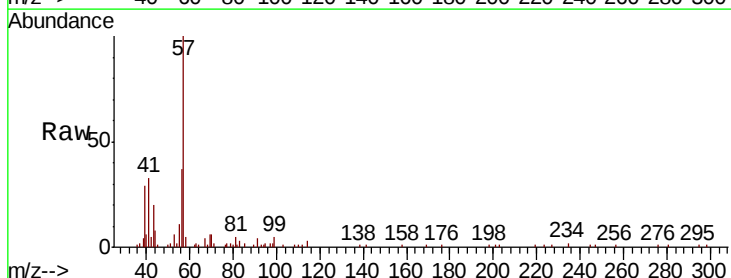
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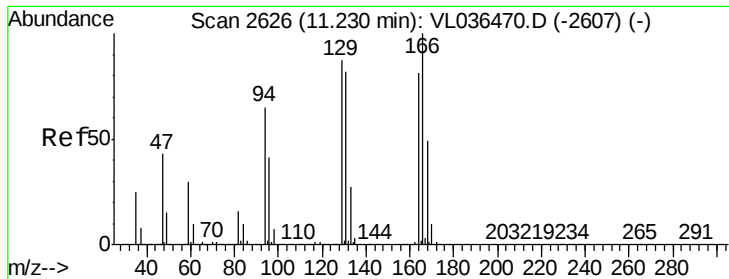
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#44
2,2,4-Trimethylpentane
Concen: 0.103 ppbv m
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL036483.D
Acq: 25 Mar 2021 12:59

Tgt Ion: 57 Resp: 53589
Ion Ratio Lower Upper
57 100
41 0.0 28.8 43.2#
56 0.0 26.1 39.1#





#52

Tetrachloroethene

Concen: 0.258 ppbv m

RT: 11.21

Delta R.T. MSVOA_L

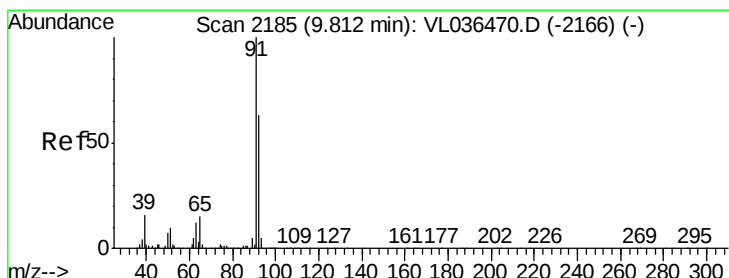
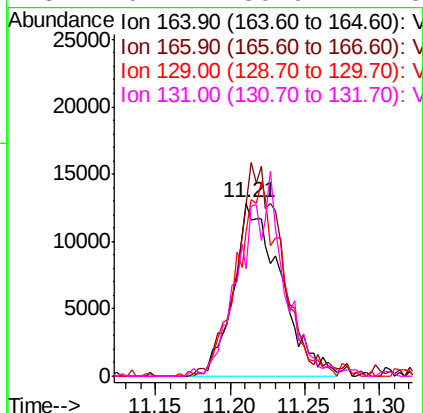
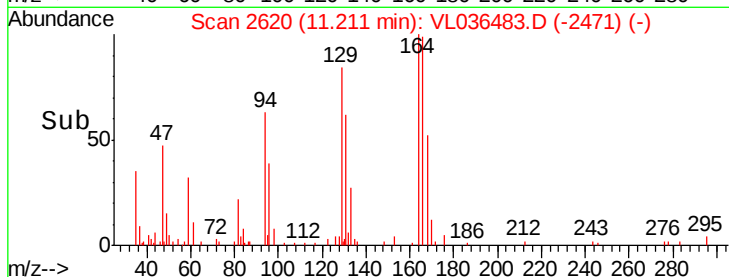
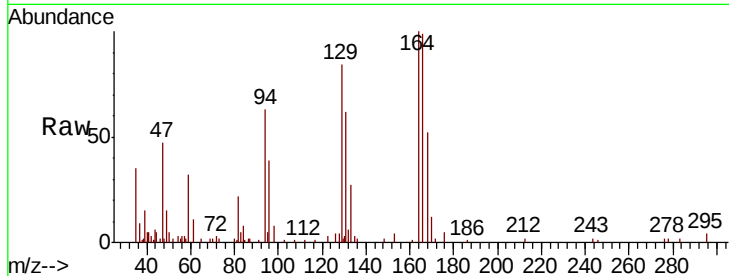
Lab File: ClientSampleId :

Acq: 25 Mar 2021 12:59

Tot Ion: 1
Ion Ratio
164 100
166 98.
129 83.
131 62.1 80.9 121.3#

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



#53

Toluene

Concen: 3.012 ppbv

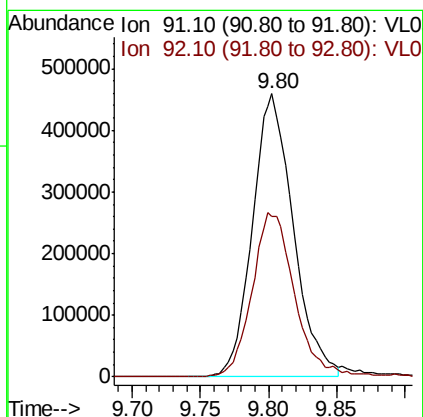
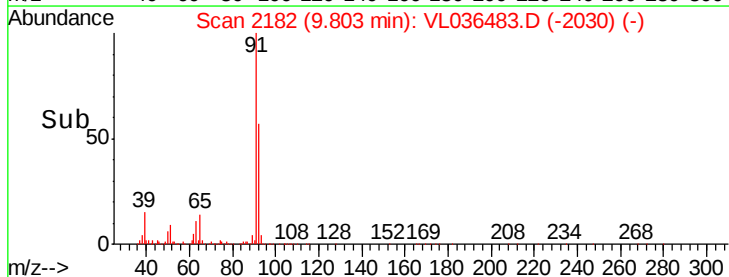
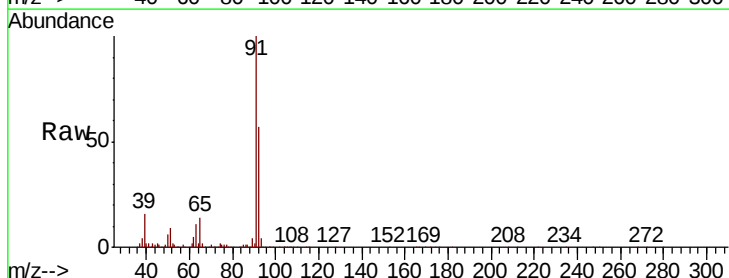
RT: 9.80 min Scan# 2182

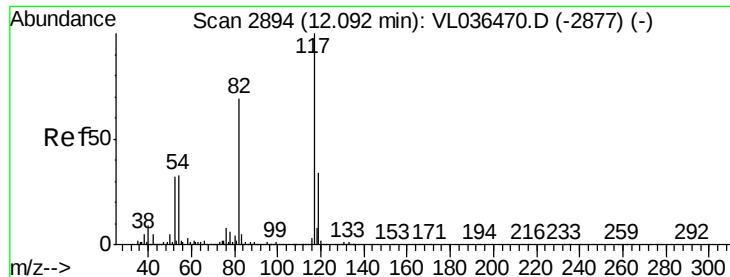
Delta R.T. -0.01 min

Lab File: VL036483.D

Acq: 25 Mar 2021 12:59

Tgt Ion: 91 Resp: 951759
Ion Ratio Lower Upper
91 100
92 61.1 48.8 73.2



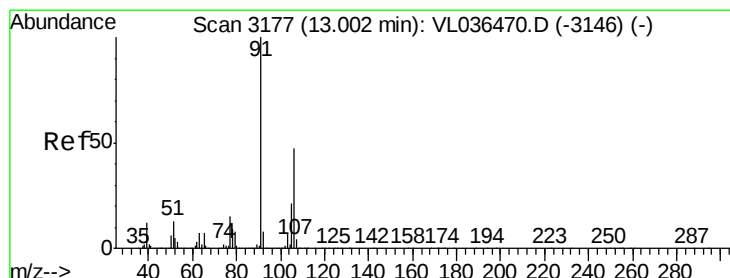
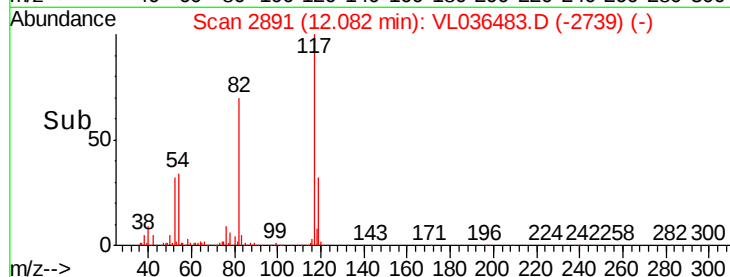
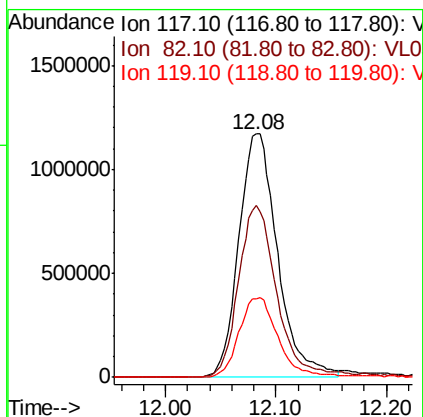
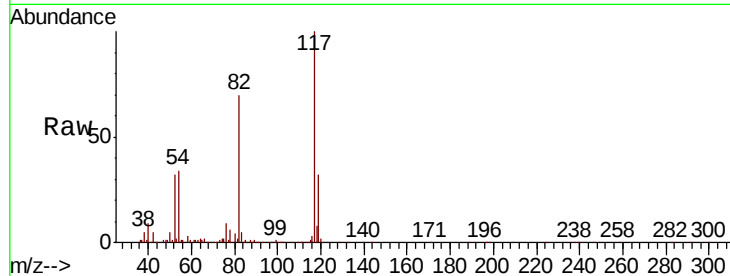


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 25 Mar 2021 12:59

Tot Ion: 1
Ion Ratio
117 100
82 71.
119 34.

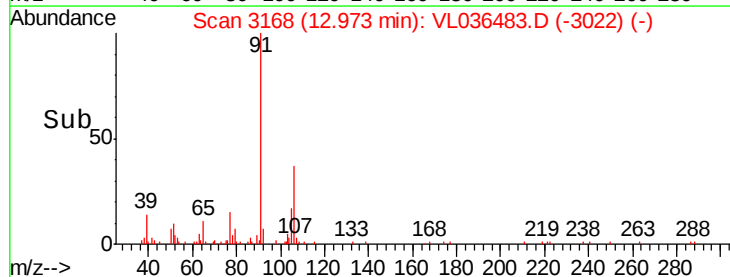
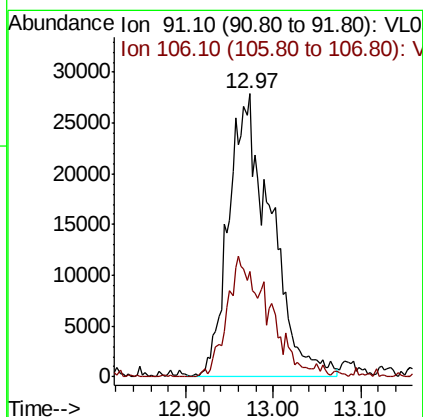
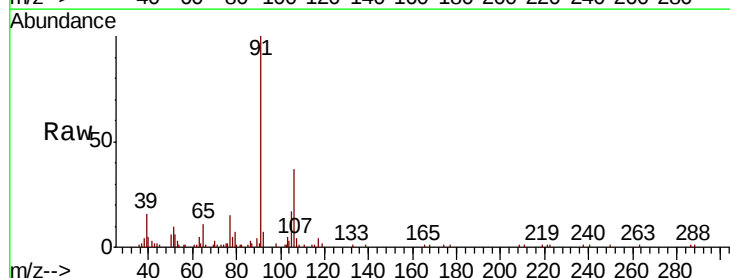
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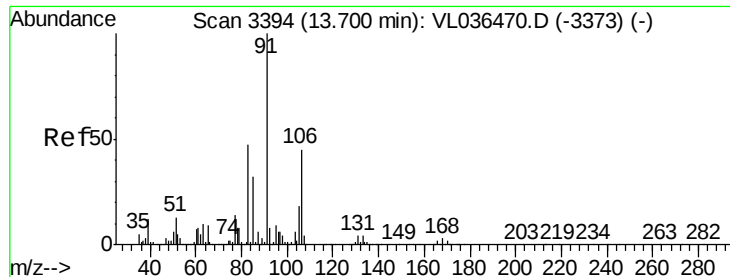
Reviewed By : Semsettin Yesilyurt 03/28/2021
Supervised By : Mahesh Dadoda 03/29/2021



#59
m/p-Xylene
Concen: 0.258 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.03 min
Lab File: VL036483.D
Acq: 25 Mar 2021 12:59

Tgt Ion: 91 Resp: 93611
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#



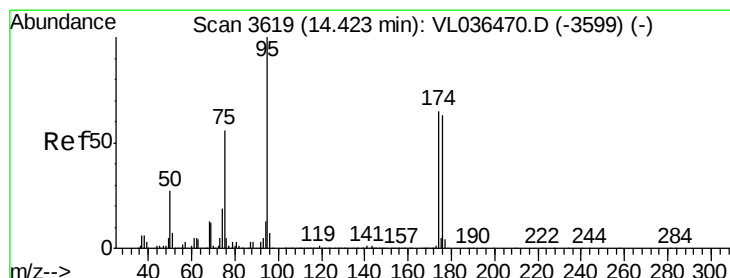
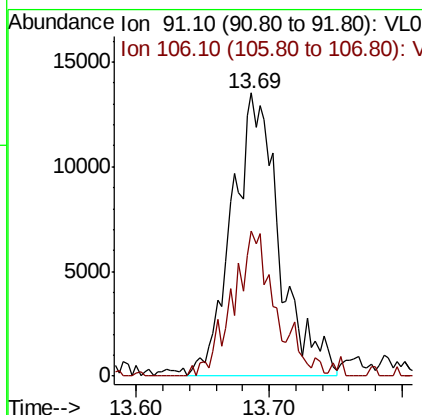
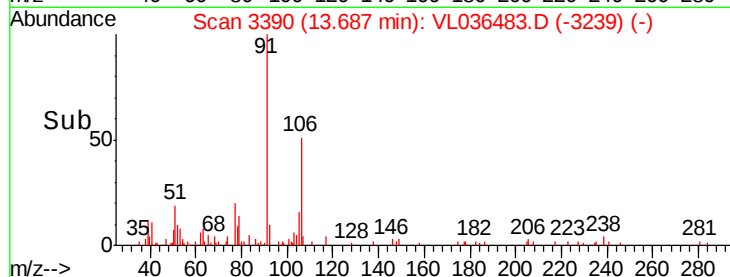
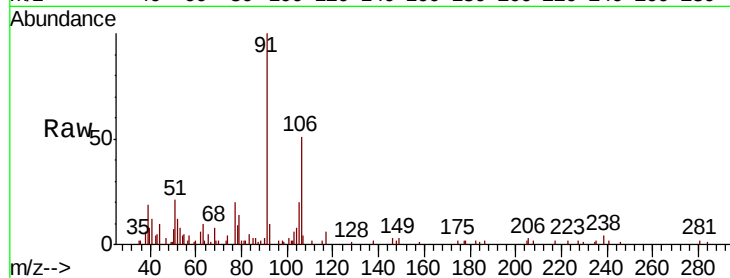


#60
o-Xylene
Concen: 0.096 ppbv m
RT: 13.69
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 25 Mar 2021 12:59

Tot Ion:
Ion Ratio
91 100
106 47.

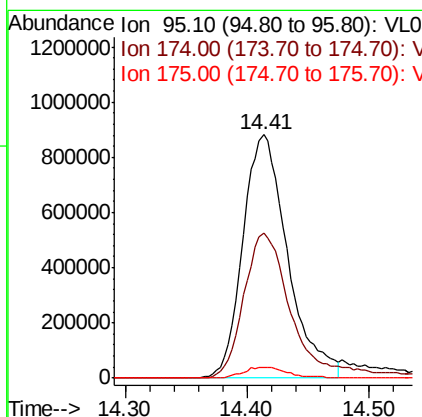
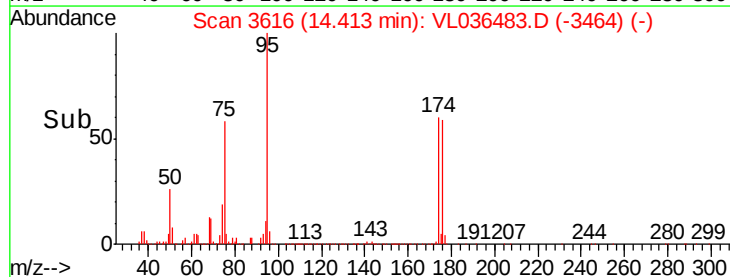
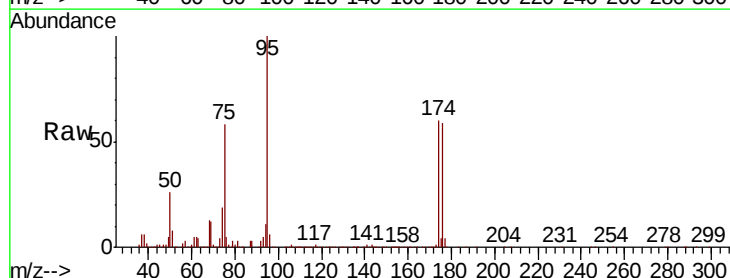
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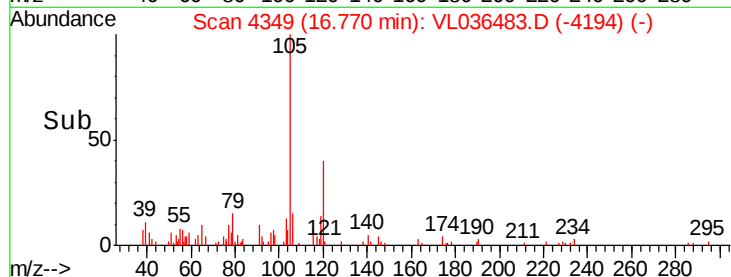
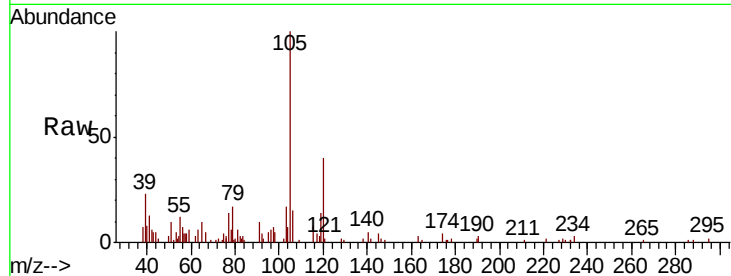
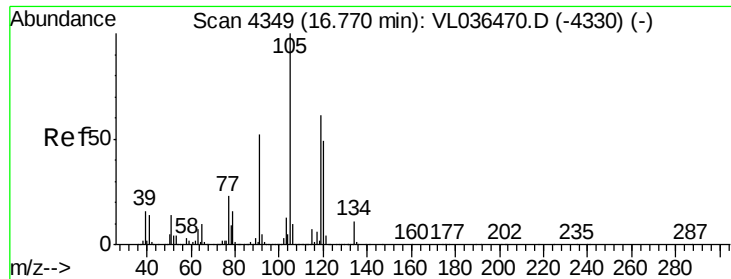
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 9.829 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL036483.D
Acq: 25 Mar 2021 12:59

Tgt Ion: 95 Resp: 2238147
Ion Ratio Lower Upper
95 100
174 66.6 51.0 76.6
175 5.0 3.9 5.9





#74
 1,2,4-Trimethylbenzene
 Concen: 0.110 ppbv m
 RT: 16.77
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 12:39

Tot Ion:1
 Ion Rati
 105 100
 120 40.
 91 10.
 77 14.1 18.6 28.0#

Manual Integrations
 APPROVED

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

