

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036485.D
 Acq On : 25 Mar 2021 14:15
 Operator : SY/AP
 Sample : M1801-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

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

Quant Time: Mar 28 23:15:17 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	1436552	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3353155	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3260490	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2709737	10.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
10) Heptane	8.11	43	34358m	0.158	ppbv	
20) Methylene Chloride	4.33	84	41775	0.631	ppbv #	92
26) Hexane	5.68	57	341021	2.186	ppbv #	46
29) Chloroform	5.74	83	282072	1.131	ppbv	97
38) Trichloroethene	7.83	130	14795m	0.123	ppbv	
52) Tetrachloroethene	11.22	164	1253949	11.011	ppbv	96
53) Toluene	9.80	91	97254	0.295	ppbv	99
58) Ethyl Benzene	12.71	91	277408m	0.585	ppbv	
59) m/p-Xylene	12.96	91	559044m	1.351	ppbv	
60) o-Xylene	13.69	91	229175	0.573	ppbv	95
62) Isopropylbenzene	14.67	105	69610m	0.129	ppbv	
64) n-propylbenzene	15.57	120	39678m	0.301	ppbv	
67) sec-Butylbenzene	17.29	105	74556	0.113	ppbv	96
73) 1,3,5-Trimethylbenzene	16.00	105	102482m	0.250	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	238216	0.544	ppbv #	70

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

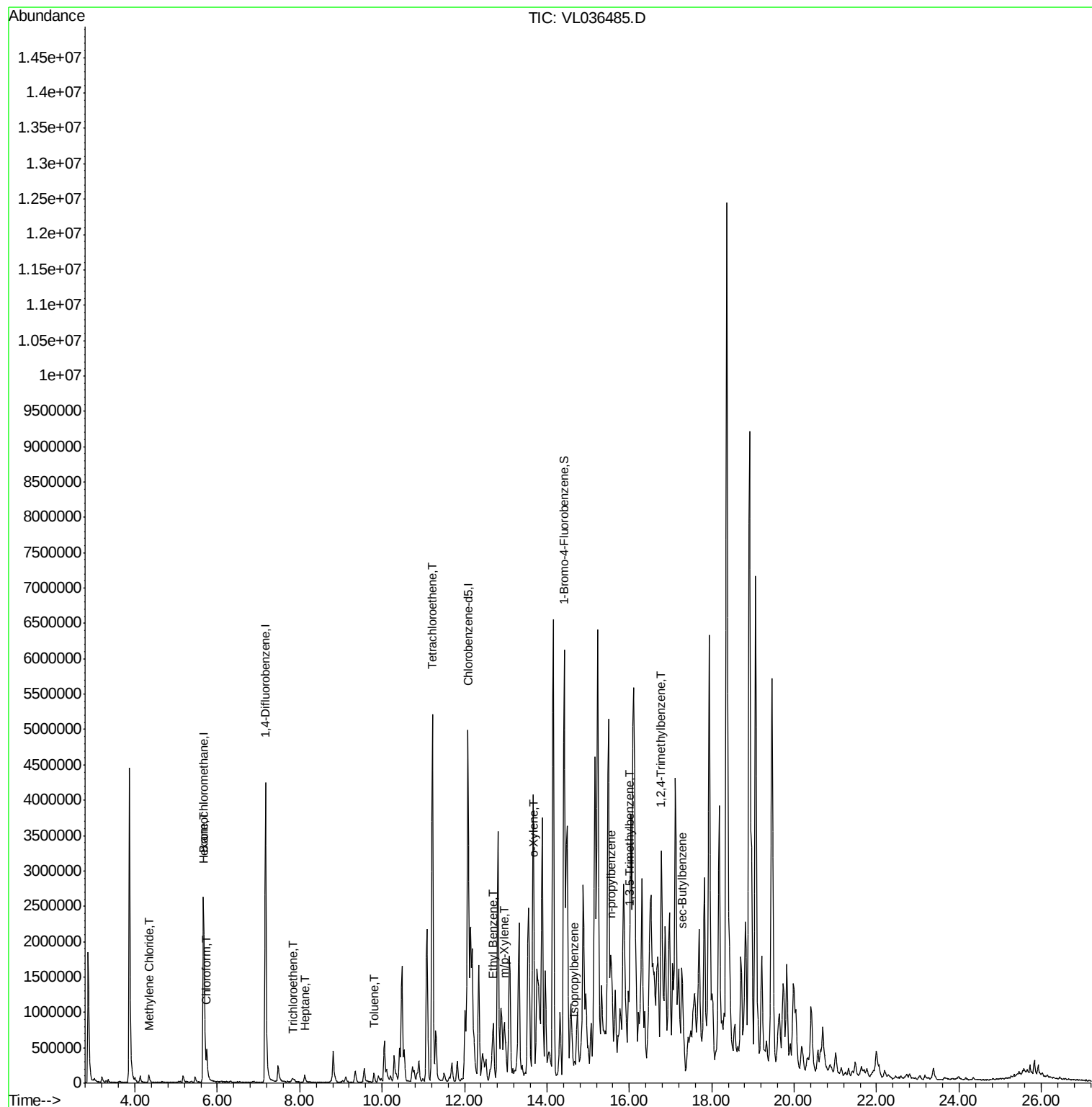
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032521\
Data File : VL036485.D
Acq On : 25 Mar 2021 14:15
Operator : SY/AP
Sample : M1801-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

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Quant Time: Mar 28 23:15:17 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

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: SV2DL

Acq: 25 Mar 2021 14:15

Tot Ion:

Ion Ratio

49 100

128 46.

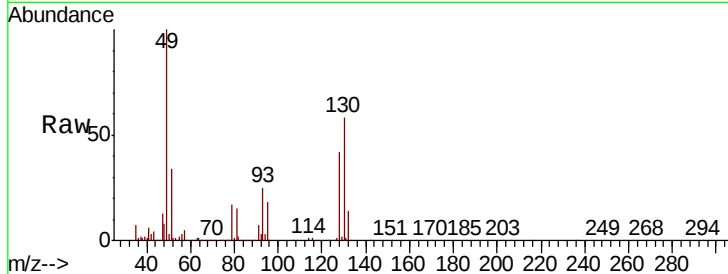
130 58.

Manual Integrations

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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

5.66

800000

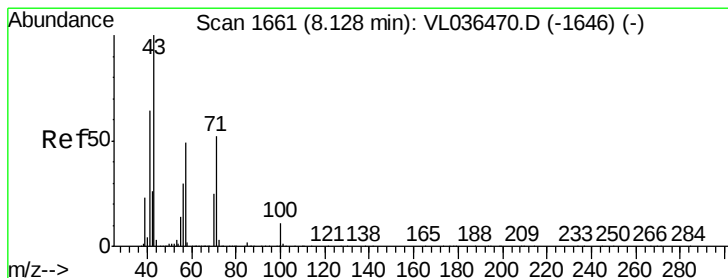
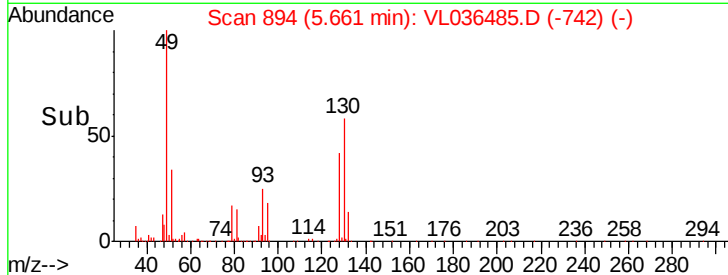
600000

400000

200000

0

Time-->



#10

Heptane

Concen: 0.158 ppbv m

RT: 8.11 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VL036485.D

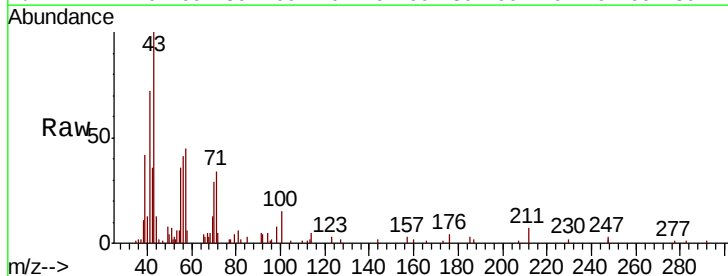
Acq: 25 Mar 2021 14:15

Tgt Ion: 43 Resp: 34358

Ion Ratio Lower Upper

43 100

57 0.0 39.0 58.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

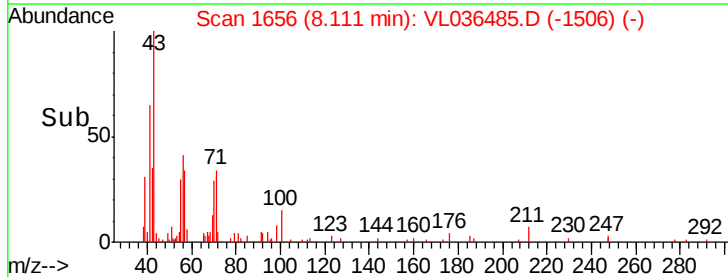
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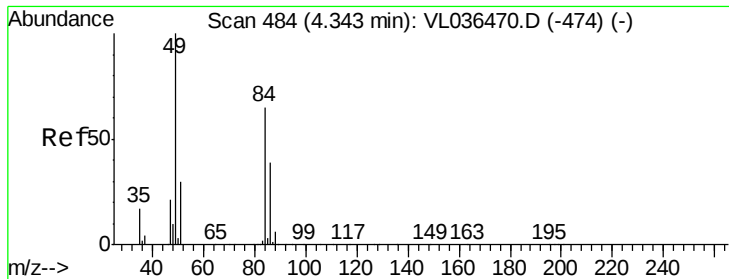
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5000

0

Time-->



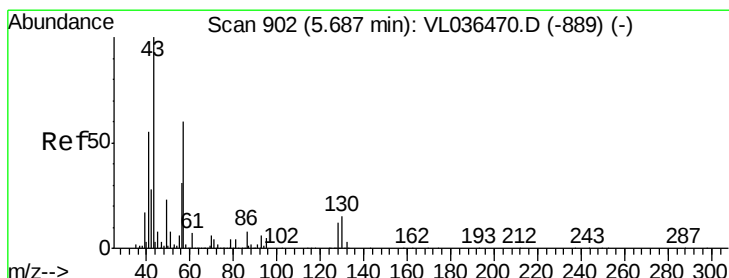
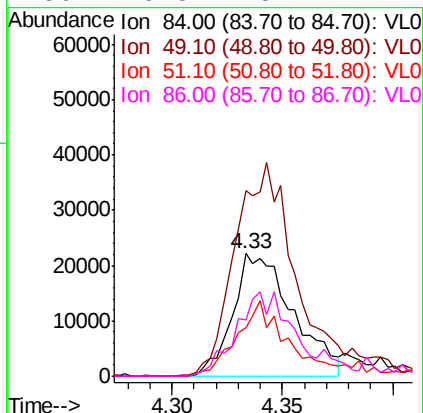
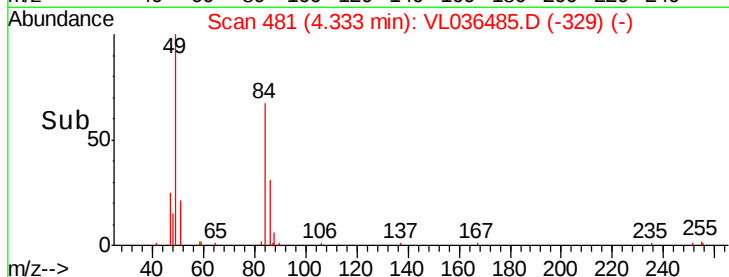
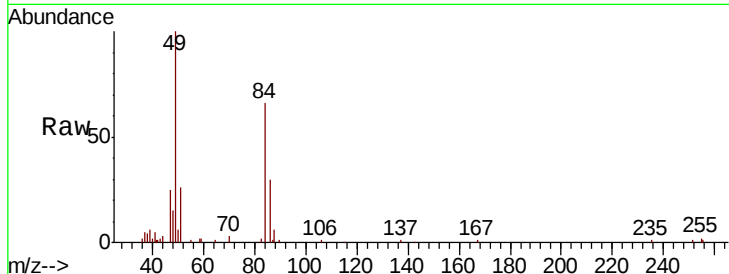


#20
Methvlene Chloride
Concen: 0.631 ppbv
RT: 4.33
Instrument : MSVOA_L
Delta R.T. :
Lab File: ClientSampleId :
Acq: 25 Mar 2021 14:15

Tot Ion:
Ion Ratio
84 100
49 149.
51 39.
86 45.8 48.2 72.4#

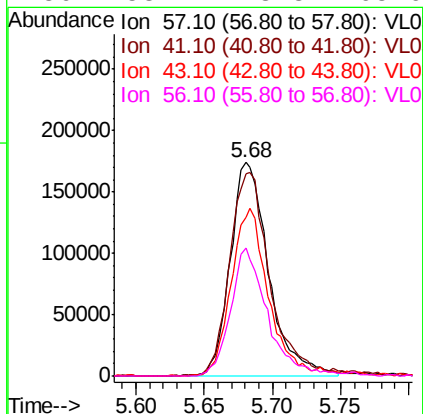
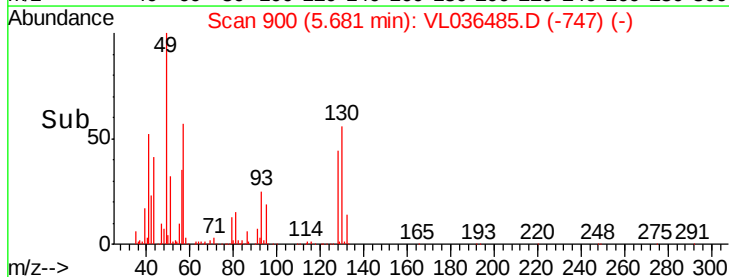
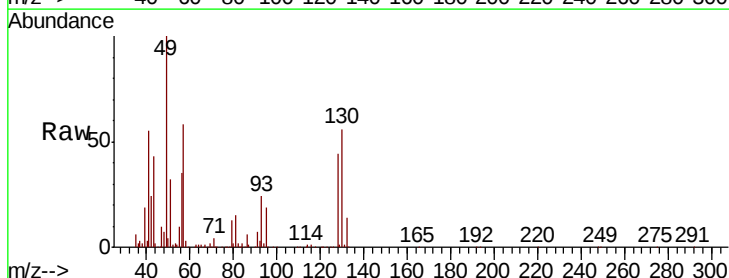
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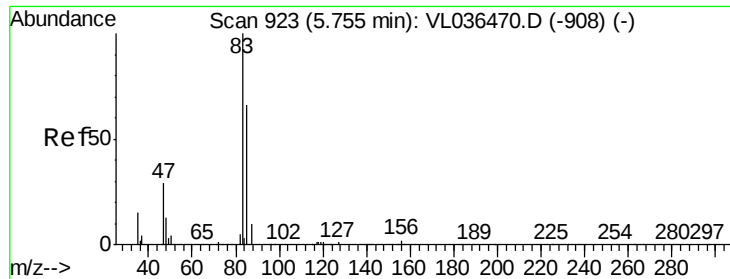
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#26
Hexane
Concen: 2.186 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036485.D
Acq: 25 Mar 2021 14:15

Tgt Ion: 57 Resp: 341021
Ion Ratio Lower Upper
57 100
41 102.6 77.2 115.8
43 78.5 173.8 260.6#
56 58.4 43.8 65.6



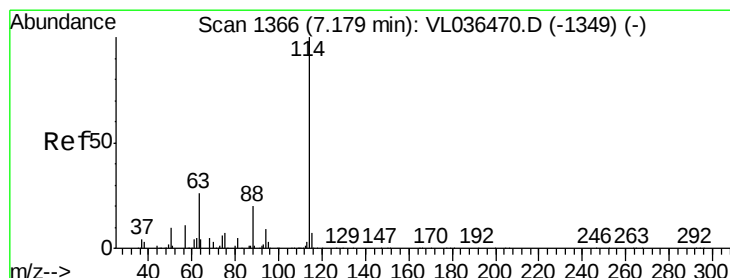
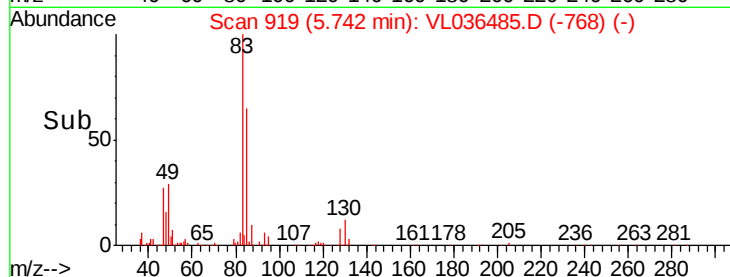
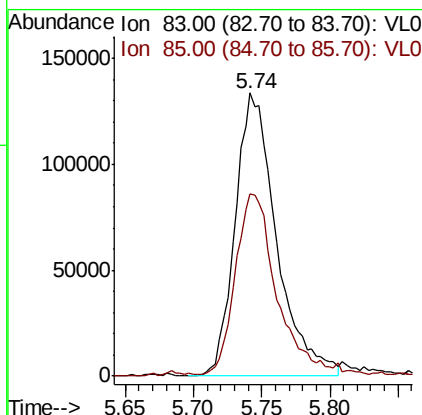
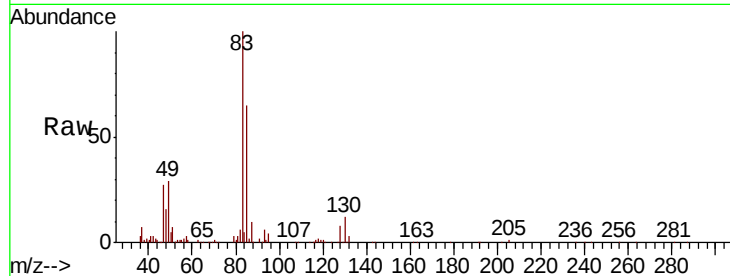


#29
Chloroform
Concen: 1.131 ppbv
RT: 5.74
Delta R.T.: MSVOA_L
Lab File: ClientSampleId : SV2DL
Acq: 25 Mar 2021 14:15

Tot Ion:
Ion Ratio
83 100
85 63.

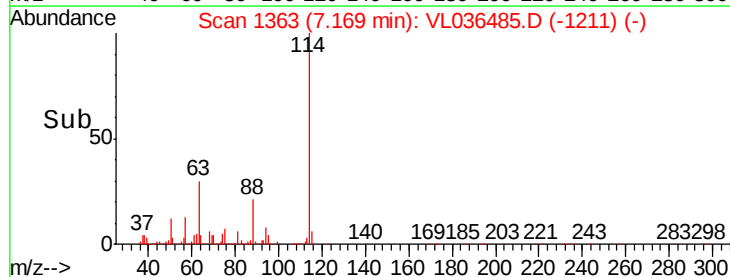
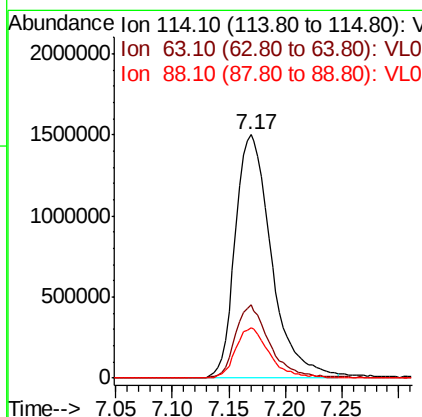
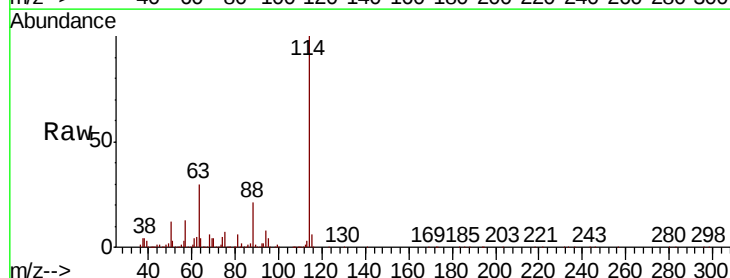
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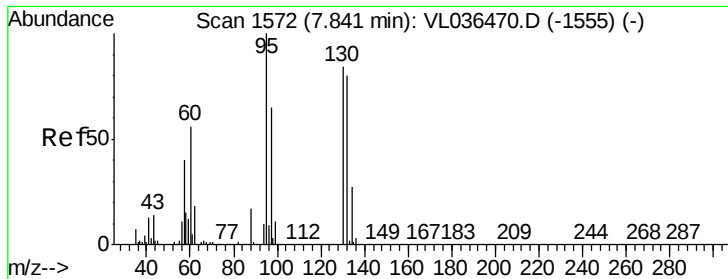
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T.: -0.01 min
Lab File: VL036485.D
Acq: 25 Mar 2021 14:15

Tgt Ion:114 Resp: 3353155
Ion Ratio Lower Upper
114 100
63 28.9 22.4 33.6
88 19.7 15.4 23.0





#38

Trichloroethene

Concen: 0.123 ppbv m

RT: 7.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 14:15

Tot Ion:1

Ion Rati

130 100

95 80.

132 77.

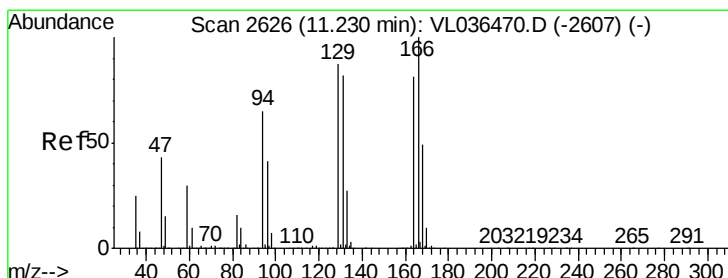
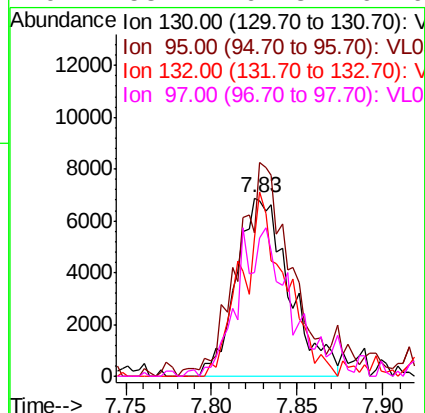
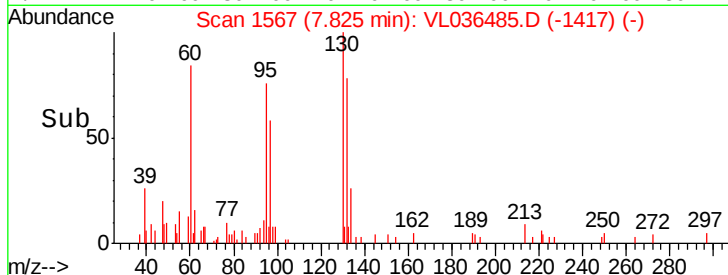
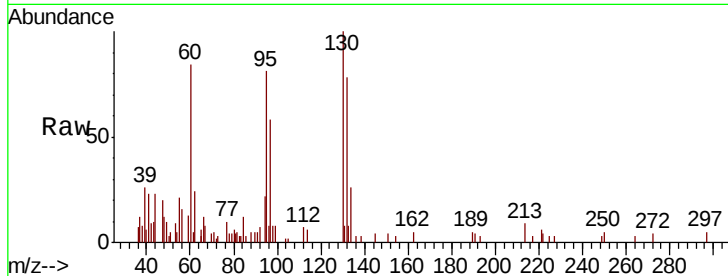
97 58.1 61.8 92.6#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



#52

Tetrachloroethene

Concen: 11.011 ppbv

RT: 11.22 min Scan# 2623

Delta R.T. -0.01 min

Lab File: VL036485.D

Acq: 25 Mar 2021 14:15

Tgt Ion:164 Resp: 1253949

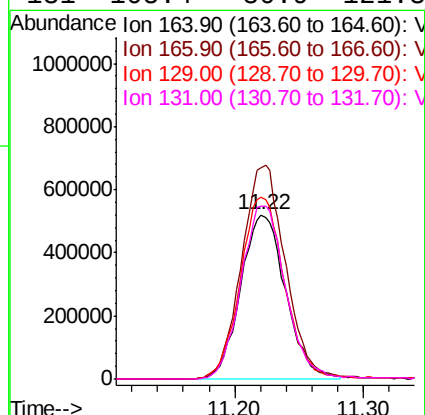
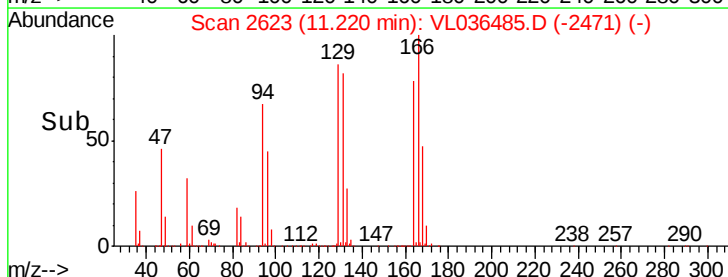
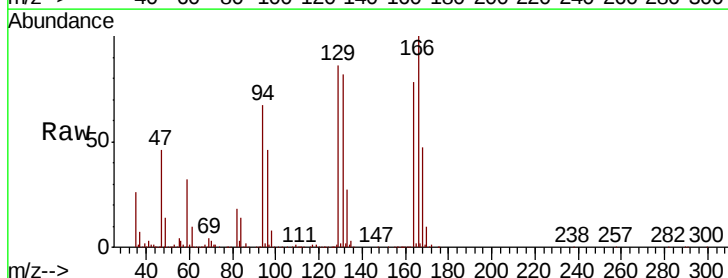
Ion Ratio Lower Upper

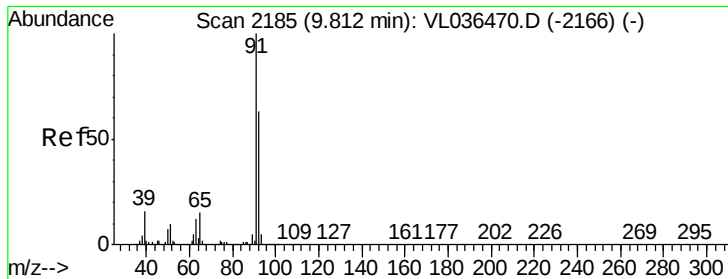
164 100

166 128.6 98.3 147.5

129 110.5 85.8 128.8

131 105.4 80.9 121.3



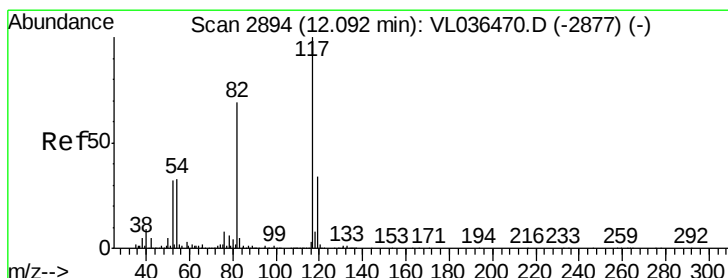
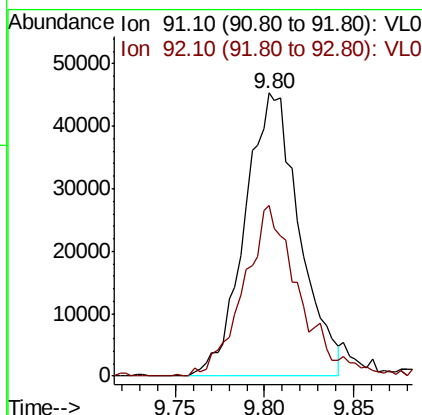
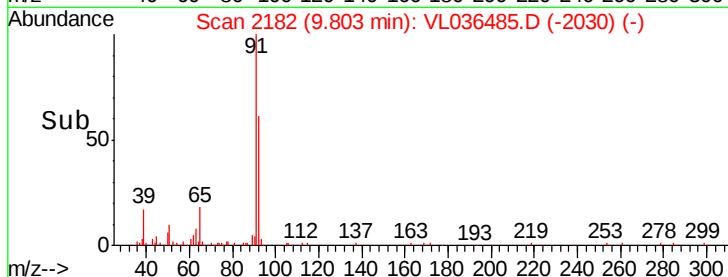
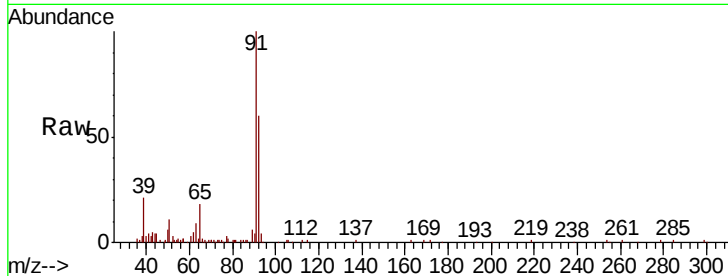


#53
Toluene
Concen: 0.295 ppbv
RT: 9.80
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
SV2DL
Acq: 25 Mar 2021 14:15

Tot Ion:
Ion Ratio
91 100
92 61.

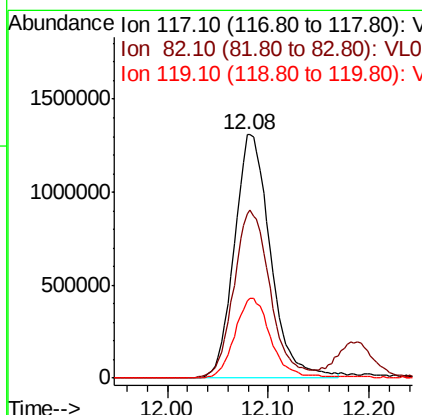
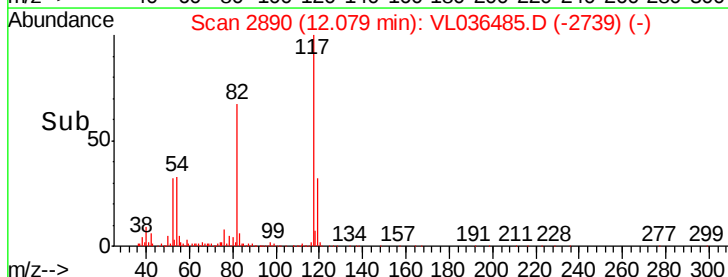
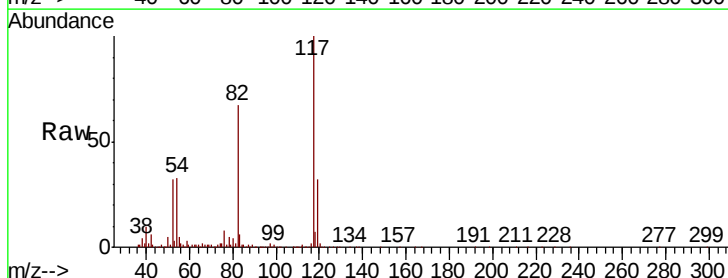
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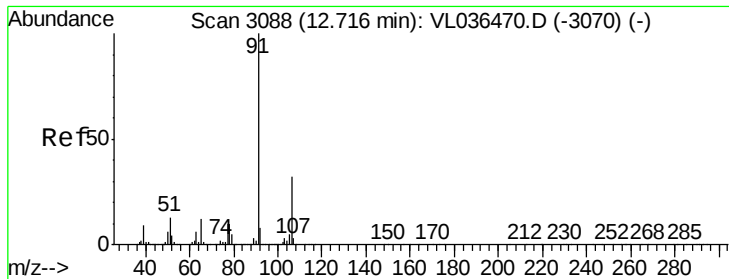
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036485.D
Acq: 25 Mar 2021 14:15

Tgt Ion:117 Resp: 3260490
Ion Ratio Lower Upper
117 100
82 69.6 57.4 86.0
119 33.3 47.4 71.0#





#58

Ethyl Benzene

Concen: 0.585 ppbv m

RT: 12.71

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 14:15

Tot Ion:

Ion Ratio

91 100

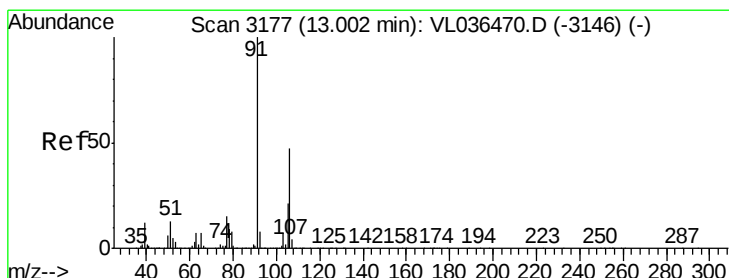
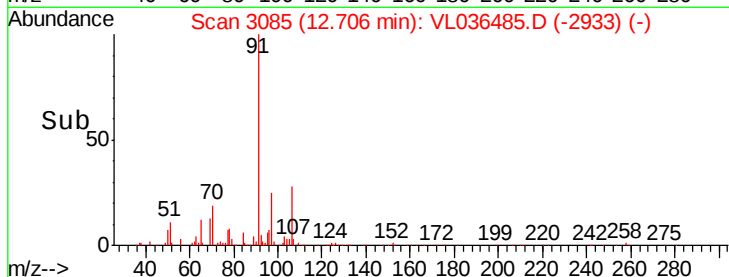
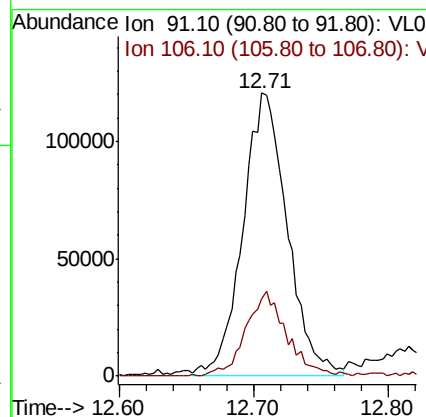
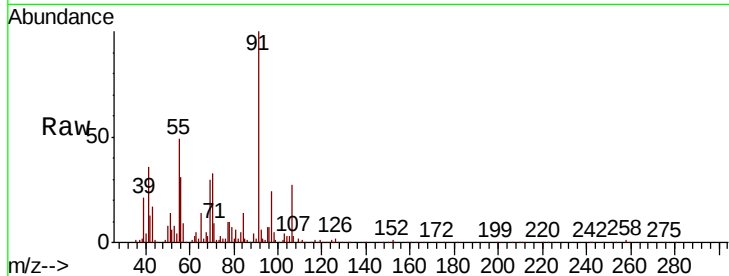
106 27.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



#59

m/p-Xylene

Concen: 1.351 ppbv m

RT: 12.96 min Scan# 3165

Delta R.T. -0.04 min

Lab File: VL036485.D

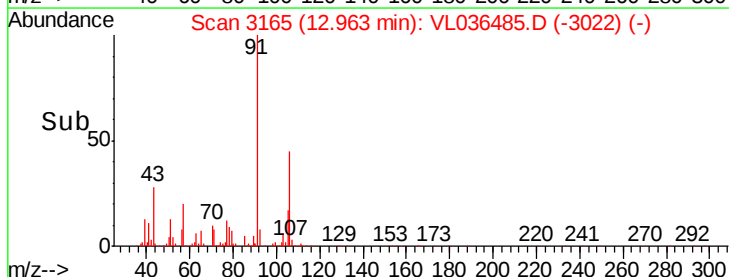
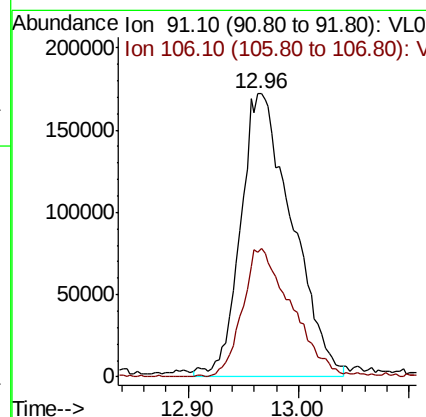
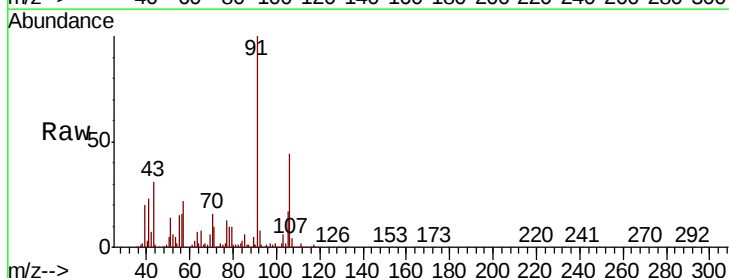
Acq: 25 Mar 2021 14:15

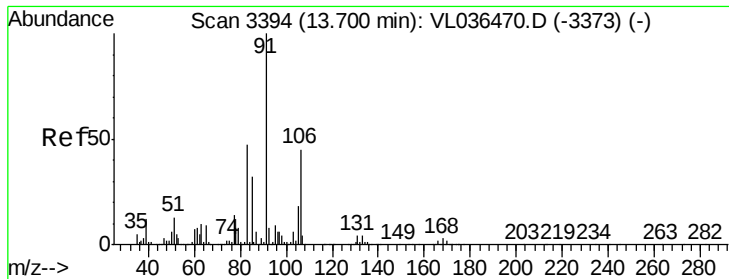
Tgt Ion: 91 Resp: 559044

Ion Ratio Lower Upper

91 100

106 43.8 35.3 52.9





#60

o-Xylene

Concen: 0.573 ppbv

RT: 13.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 14:15

Tot Ion:

Ion Ratio

91 100

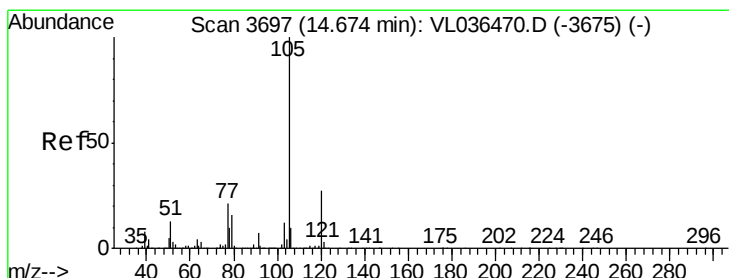
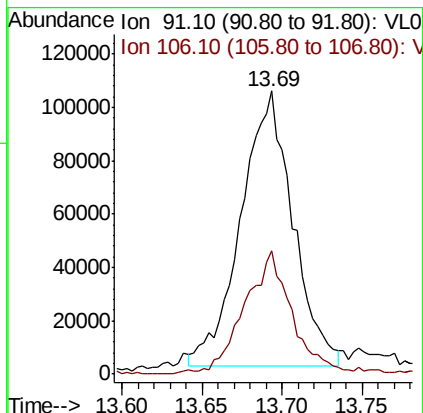
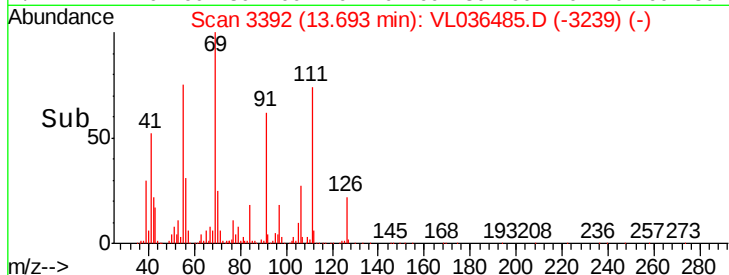
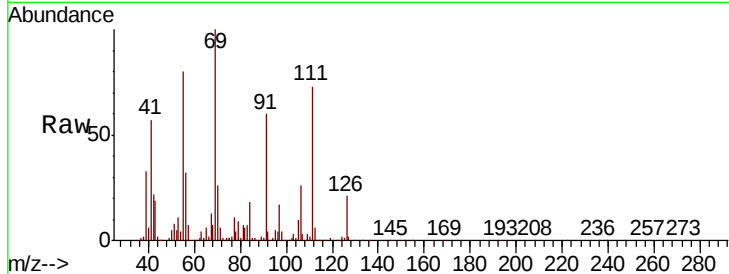
106 41.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



#62

Isopropylbenzene

Concen: 0.129 ppbv m

RT: 14.67 min Scan# 3695

Delta R.T. -0.01 min

Lab File: VL036485.D

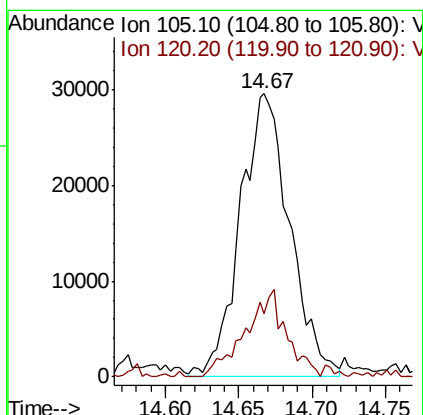
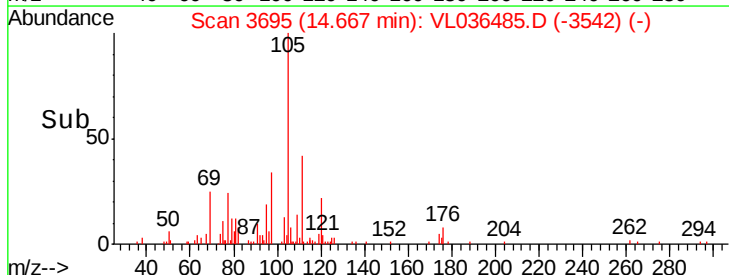
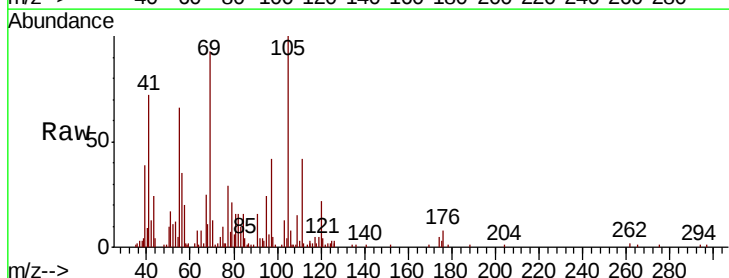
Acq: 25 Mar 2021 14:15

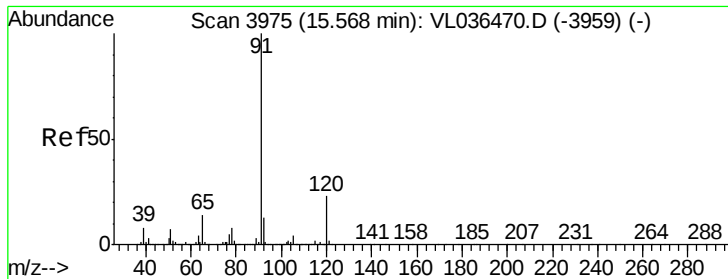
Tgt Ion:105 Resp: 69610

Ion Ratio Lower Upper

105 100

120 0.0 20.6 31.0#





#64

n-propylbenzene

Concen: 0.301 ppbv m

RT: 15.57

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 14:15

Tot Ion:1

Ion Rati

120 100

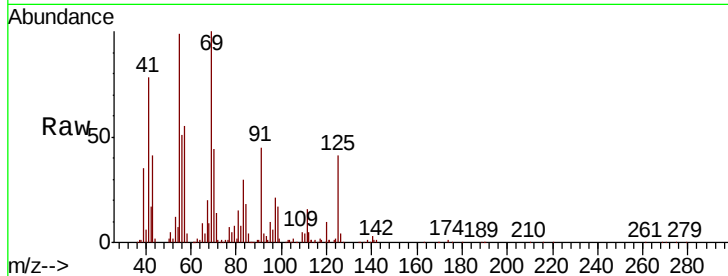
91 517.

Manual Integrations

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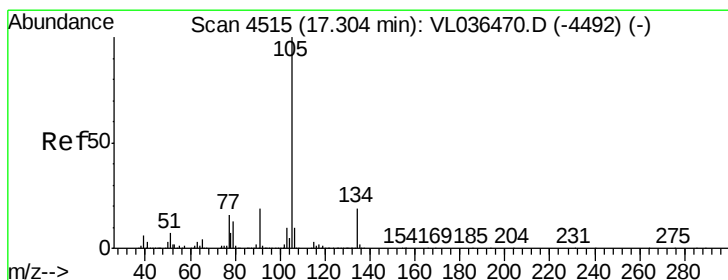
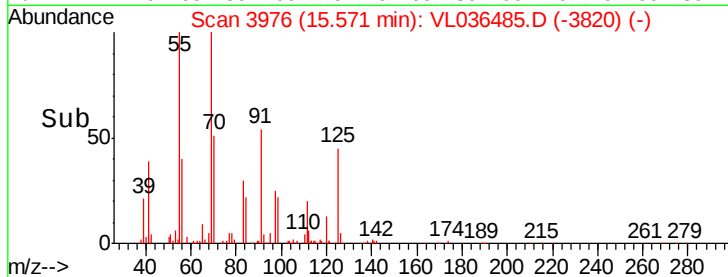
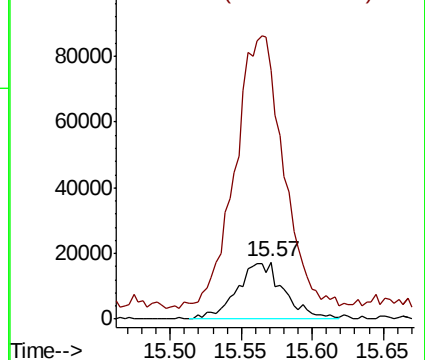
Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#67

sec-Butylbenzene

Concen: 0.113 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. -0.01 min

Lab File: VL036485.D

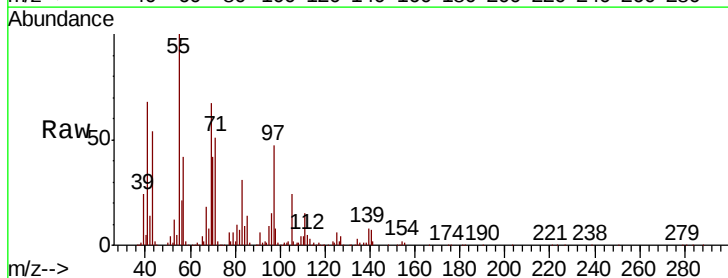
Acq: 25 Mar 2021 14:15

Tgt Ion:105 Resp: 74556

Ion Ratio Lower Upper

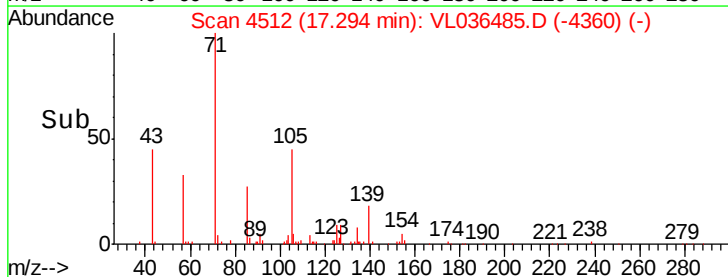
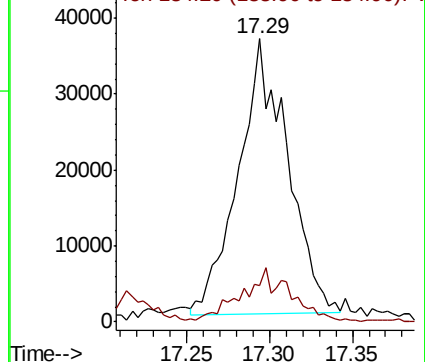
105 100

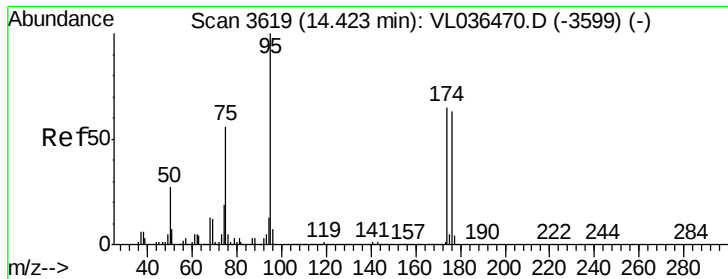
134 20.0 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.428 ppbv

RT: 14.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 14:15

Tot Ion:

Ion Ratio

95 100

174 63.

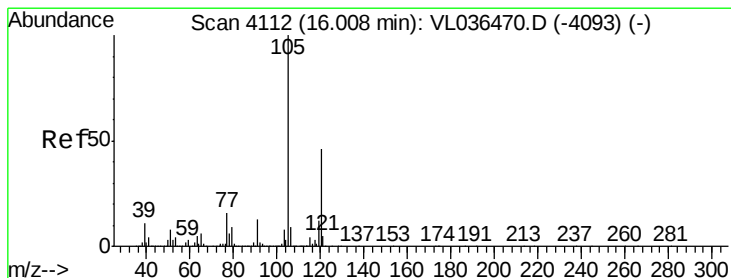
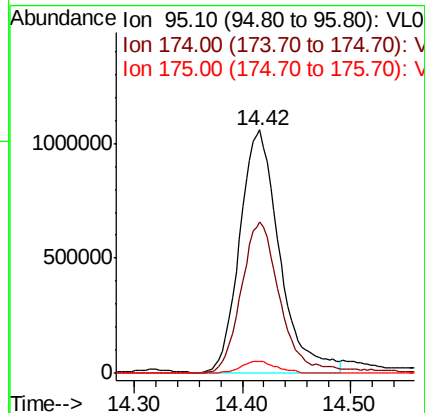
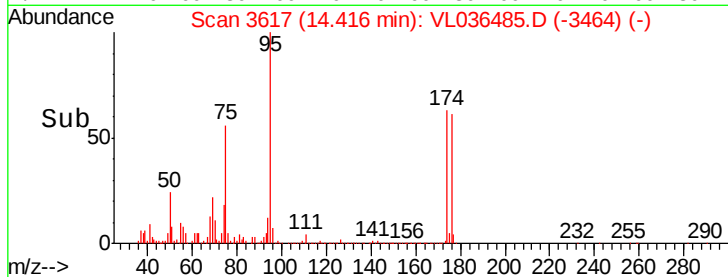
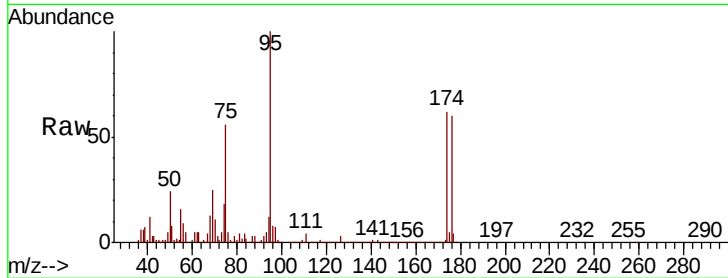
175 4.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



#73

1,3,5-Trimethylbenzene

Concen: 0.250 ppbv m

RT: 16.00 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL036485.D

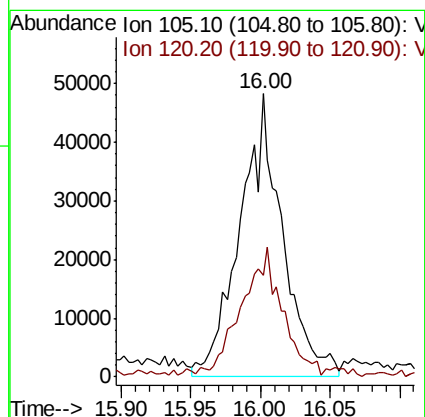
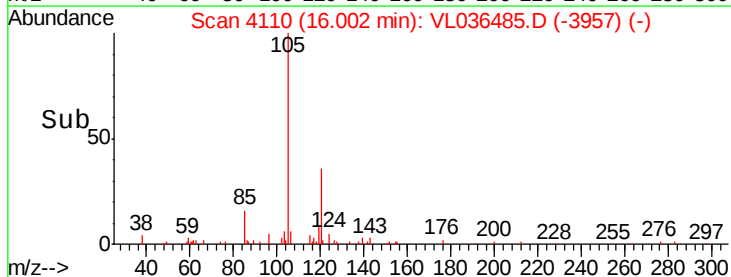
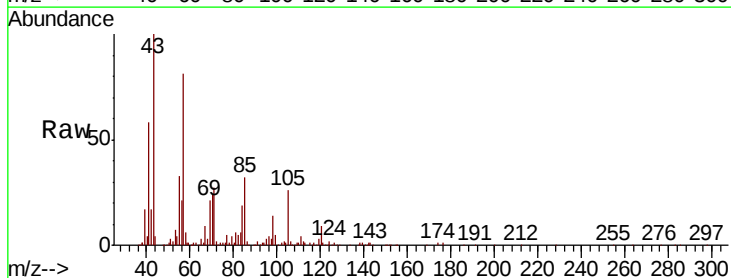
Acq: 25 Mar 2021 14:15

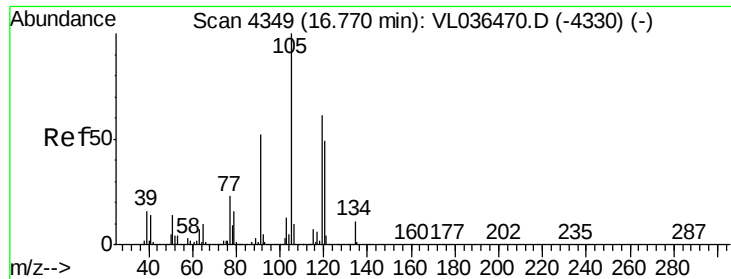
Tgt Ion:105 Resp: 102482

Ion Ratio Lower Upper

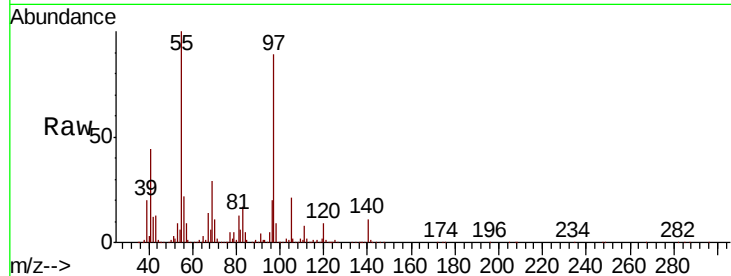
105 100

120 36.1 36.6 54.8#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.544 ppbv
 RT: 16.77
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 SV2DL
 Acq: 25 Mar 2021 14:15



Tot Ion:1
 Ion Rati
 105 100
 120 41.
 91 12.
 77 18.4 18.6 28.0#

Manual Integrations
 APPROVED

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

