

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
 Data File : VW021502.D
 Acq On : 20 Dec 2021 16:48
 Operator : SY/VA
 Sample : M5171-13
 Misc : 6.35g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLA9

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/20/2021
 Supervised By : Amit Patel 12/24/2021

Quant Time: Dec 20 18:54:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 18 00:55:20 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	128044	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	94274	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	30685	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	21395	9.174	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	36.680%
7) Chloroethane-d5	2.885	69	19412	12.592	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	50.360%
11) 1,1-Dichloroethene-d2	4.019	63	37370	12.020	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	48.080%
21) 2-Butanone-d5	7.080	46	22773	69.277	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.560%#
24) Chloroform-d	7.653	84	79975	22.413	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.640%
26) 1,2-Dichloroethane-d4	8.305	65	48239	25.415	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.640%
32) Benzene-d6	8.275	84	153750	29.753	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	119.000%
36) 1,2-Dichloropropane-d6	9.274	67	46012	33.201	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	132.800%#
41) Toluene-d8	10.323	98	125338	23.739	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.960%
43) trans-1,3-Dichloroprop...	10.579	79	16363	25.643	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.560%
47) 2-Hexanone-d5	10.927	63	18520	90.372	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	180.740%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	26481	22.228	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.920%
66) 1,2-Dichlorobenzene-d4	13.853	152	25361m	21.326	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.320%
Target Compounds						Qvalue
13) Acetone	4.123	43	20398	69.219	ug/L	87
14) Carbon disulfide	4.379	76	4089	0.998	ug/L	# 93
15) Methyl Acetate	4.672	43	1262m	2.482	ug/L	
22) 2-Butanone	7.177	43	6126	15.918	ug/L	90
42) Toluene	10.390	91	11235	1.871	ug/L	100
51) Chlorobenzene	11.652	112	16523	4.109	ug/L	90
52) Ethylbenzene	11.731	91	328989	47.932	ug/L	98
53) m,p-Xylene	11.841	106	94405	34.095	ug/L	85
54) o-Xylene	12.164	106	42409	16.139	ug/L	82
60) Isopropylbenzene	12.463	105	604423	144.963	ug/L	95
62) 1,3,5-Trimethylbenzene	12.938	105	103553	29.186	ug/L	94
63) 1,2,4-Trimethylbenzene	13.249	105	1506804	430.514	ug/L	93
64) 1,3-Dichlorobenzene	13.493	146	53020	26.959	ug/L	90
65) 1,4-Dichlorobenzene	13.579	146	212263	108.633	ug/L	98
67) 1,2-Dichlorobenzene	13.865	146	408574	235.975	ug/L	94
70) 1,2,4-trichlorobenzene	15.127	180	25953	21.951	ug/L	# 38

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

Instrument :

MSVOA_W

ClientSampleId :

BGLA9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2021

Supervised By :Amit Patel 12/24/2021

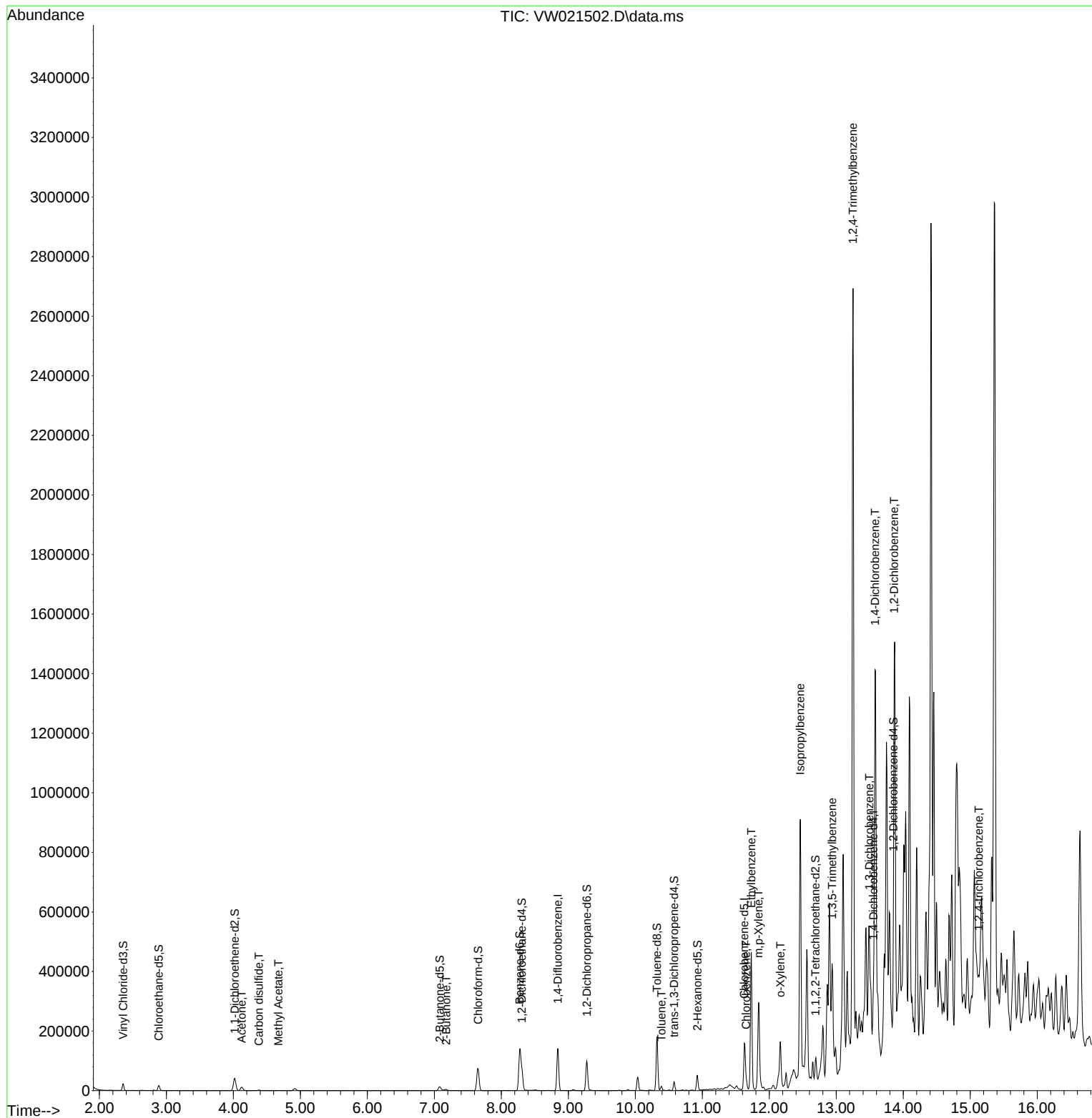
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Data File : VW021502.D
Acq On : 20 Dec 2021 16:48
Operator : SY/VA
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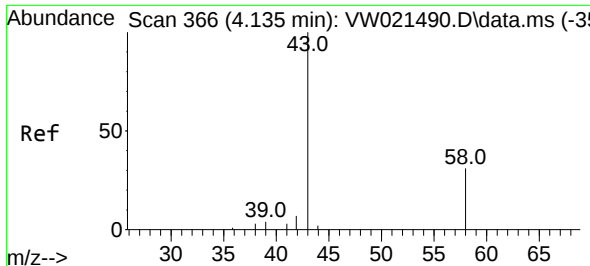
Instrument :
MSVOA_W
ClientSampleId :
BGLA9

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration





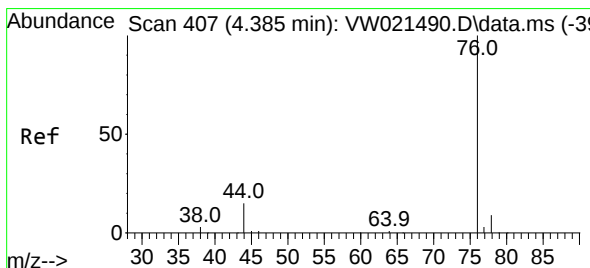
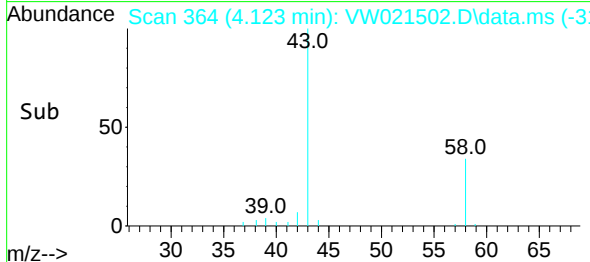
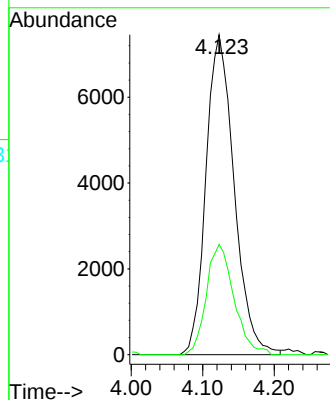
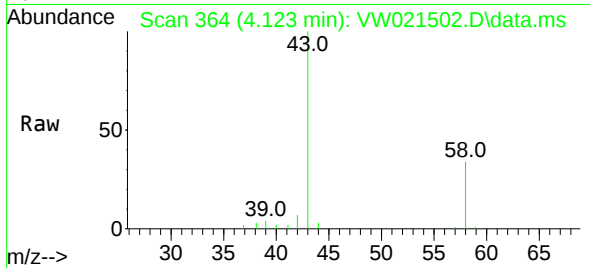
#13
Acetone
Concen: 69.219 ug/L
RT: 4.123 min Scan# 303
Delta R.T. 0.006 min
Lab File: VW021502.D
Acq: 20 Dec 2021 16:48

Instrument :
MSVOA_W
ClientSampleId :
BGLA9

Tgt Ion: 43 Resp: 20398
Ion Ratio Lower Upper
43 100
58 33.3 0.0 52.8

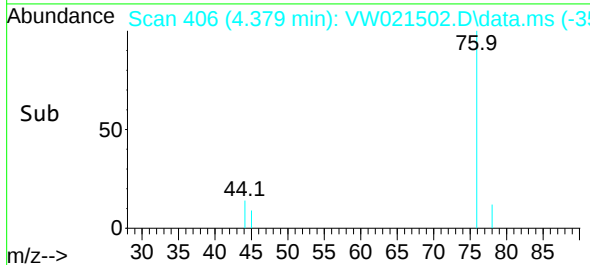
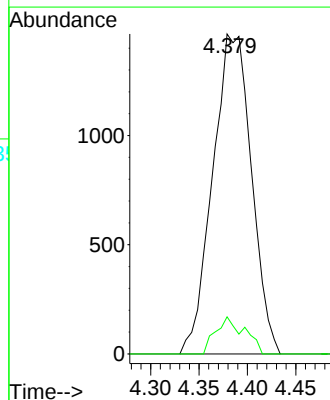
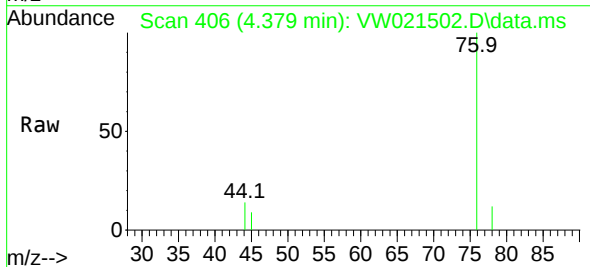
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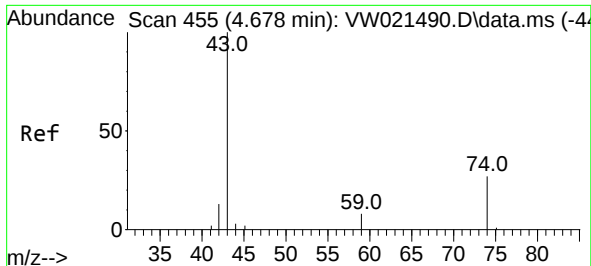
Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021



#14
Carbon disulfide
Concen: 0.998 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.000 min
Lab File: VW021502.D
Acq: 20 Dec 2021 16:48

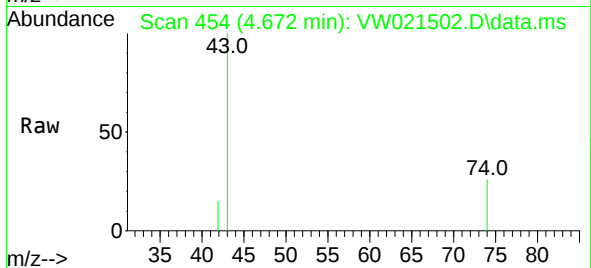
Tgt Ion: 76 Resp: 4089
Ion Ratio Lower Upper
76 100
78 11.6 7.1 10.7#





#15
Methyl Acetate
Concen: 2.482 ug/L m
RT: 4.672 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW021502.D
Acq: 20 Dec 2021 16:48

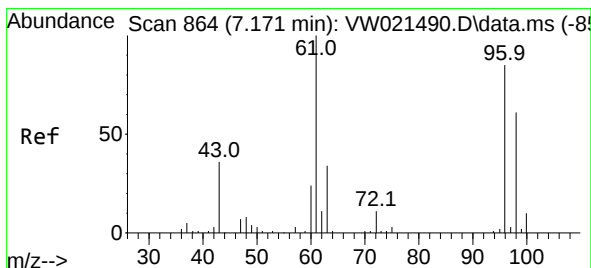
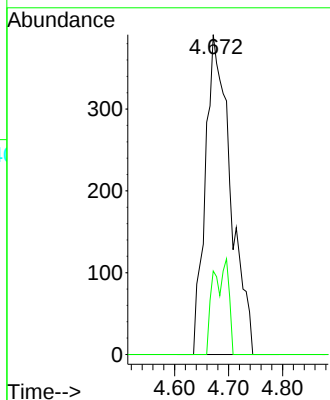
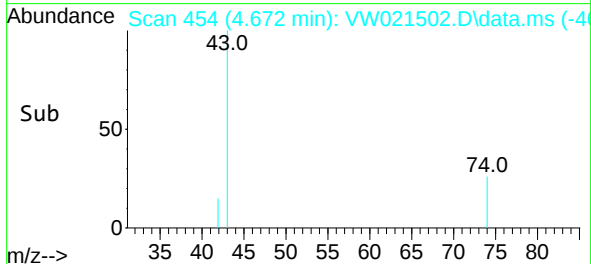
Instrument :
MSVOA_W
ClientSampleId :
BGLA9



Tgt Ion: 43 Resp: 126
Ion Ratio Lower Upper
43 100
74 9.7 16.4 24.6

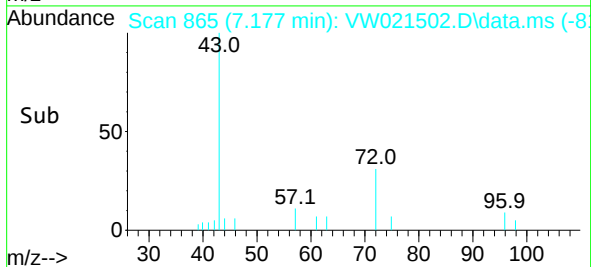
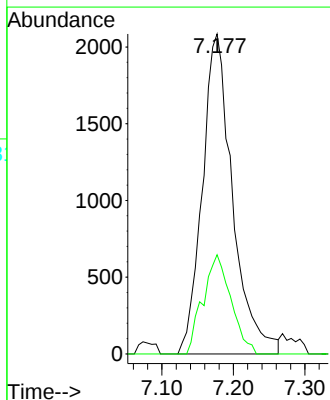
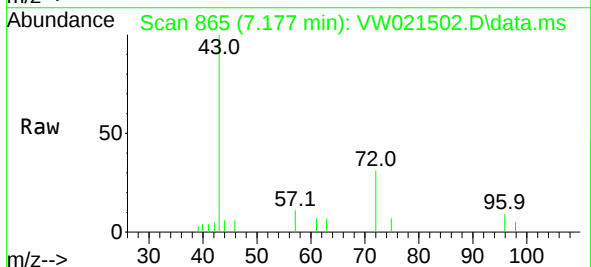
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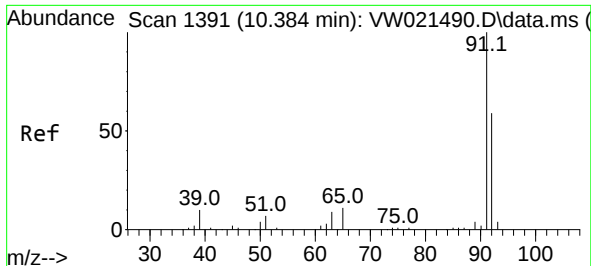
Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021



#22
2-Butanone
Concen: 15.918 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.012 min
Lab File: VW021502.D
Acq: 20 Dec 2021 16:48

Tgt Ion: 43 Resp: 6126
Ion Ratio Lower Upper
43 100
72 28.6 11.8 35.4





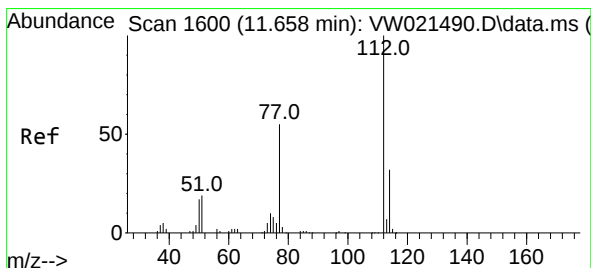
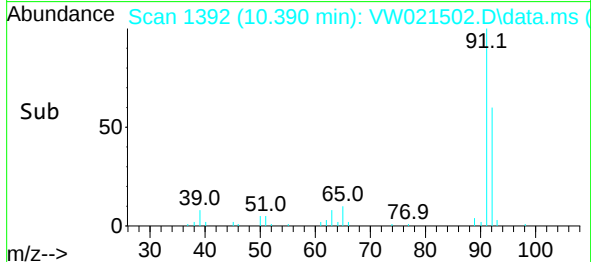
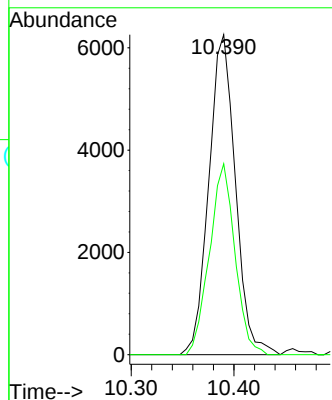
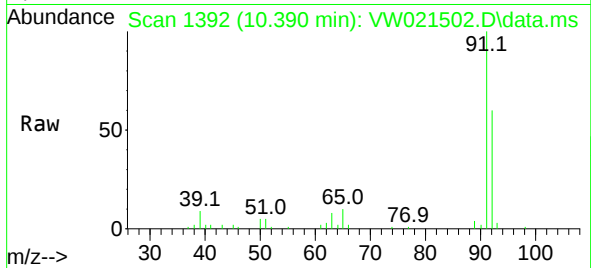
#42
Toluene
Concen: 1.871 ug/L
RT: 10.390 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VW021502.D
Acq: 20 Dec 2021 16:48

Instrument :
MSVOA_W
ClientSampleId :
BGLA9

Tgt Ion: 91 Resp: 1123
Ion Ratio Lower Upper
91 100
92 59.6 41.7 77.5

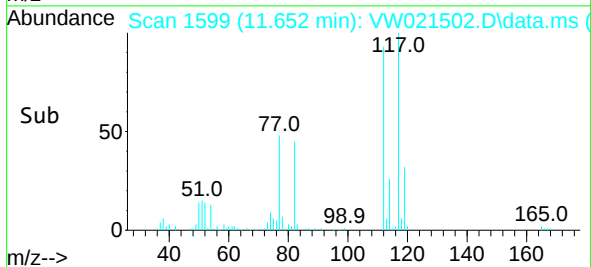
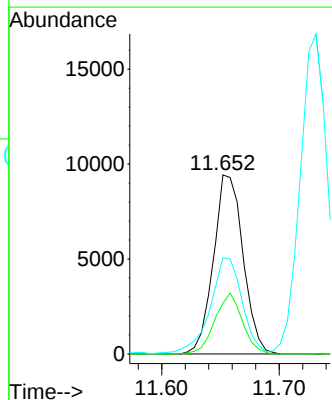
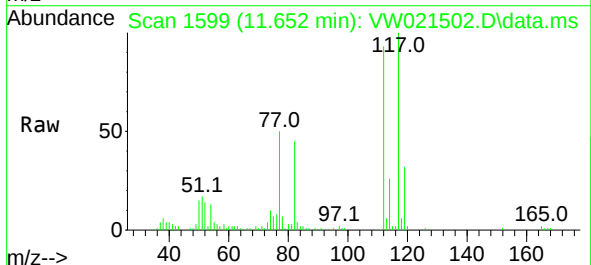
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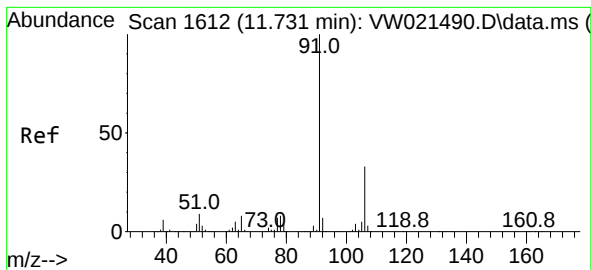
Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021



#51
Chlorobenzene
Concen: 4.109 ug/L
RT: 11.652 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VW021502.D
Acq: 20 Dec 2021 16:48

Tgt Ion:112 Resp: 16523
Ion Ratio Lower Upper
112 100
114 28.4 22.4 41.6
77 53.8 50.2 75.4





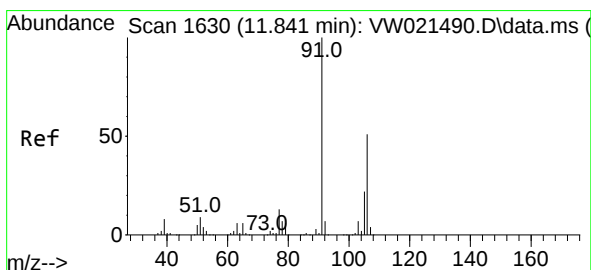
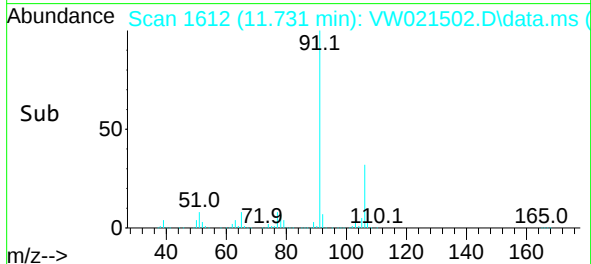
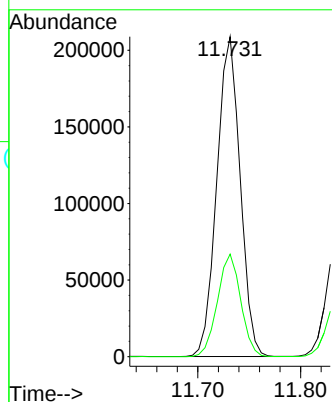
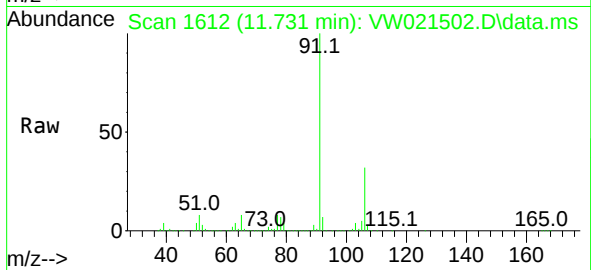
#52
Ethylbenzene
Concen: 47.932 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021502.D
Acq: 20 Dec 2021 16:48

Instrument :
MSVOA_W
ClientSampleId :
BGLA9

Tgt Ion: 91 Resp: 328989
Ion Ratio Lower Upper
91 100
106 32.1 21.5 39.9

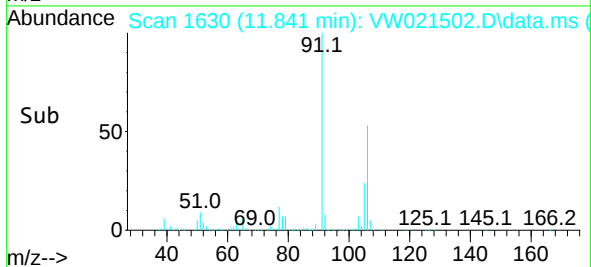
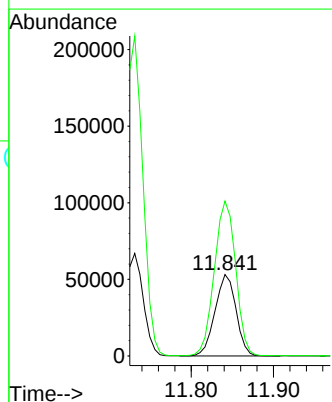
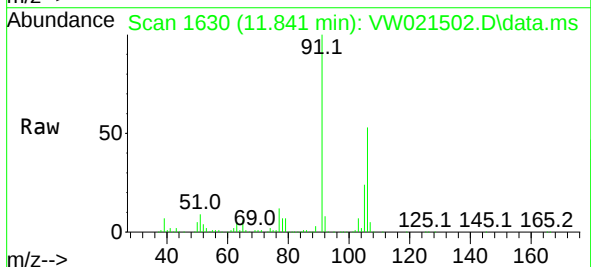
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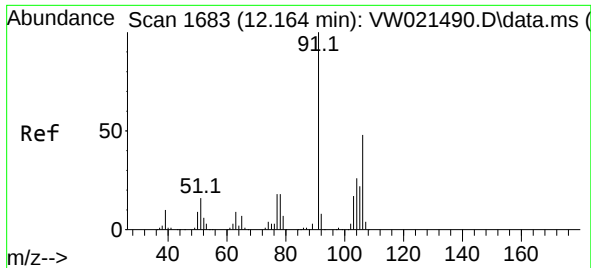
Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021



#53
m,p-Xylene
Concen: 34.095 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW021502.D
Acq: 20 Dec 2021 16:48

Tgt Ion:106 Resp: 94405
Ion Ratio Lower Upper
106 100
91 190.3 149.9 278.3





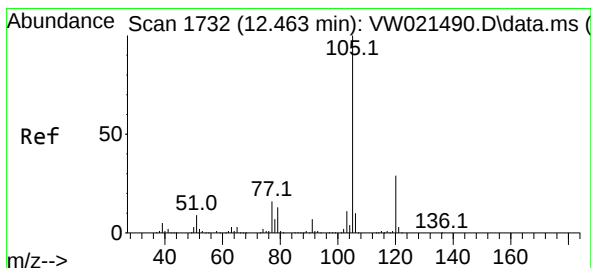
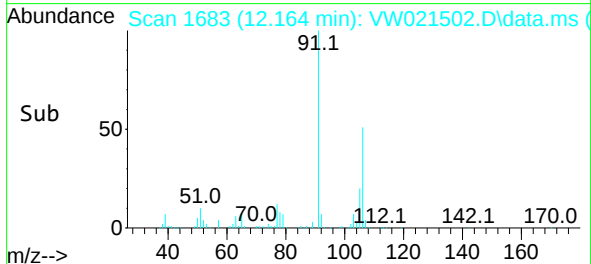
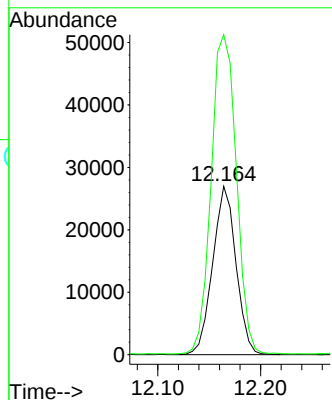
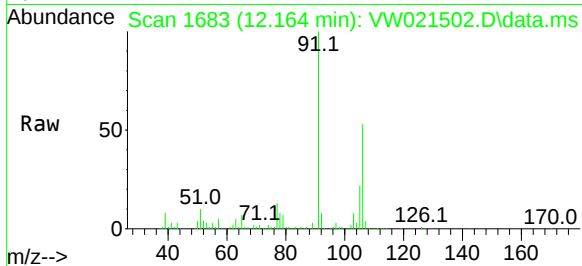
#54
o-Xylene
Concen: 16.139 ug/L
RT: 12.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW021502.D
Acq: 20 Dec 2021 16:48

Instrument :
MSVOA_W
ClientSampleId :
BGLA9

Tgt Ion:106 Resp: 42409
Ion Ratio Lower Upper
106 100
91 190.1 153.6 285.3

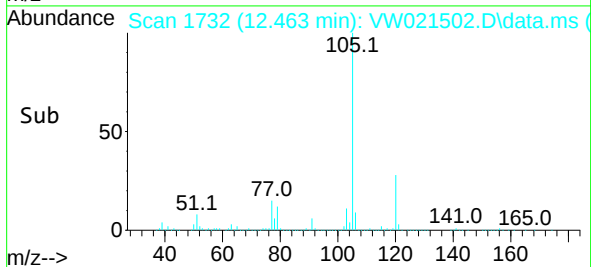
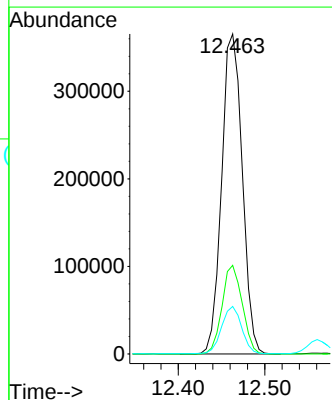
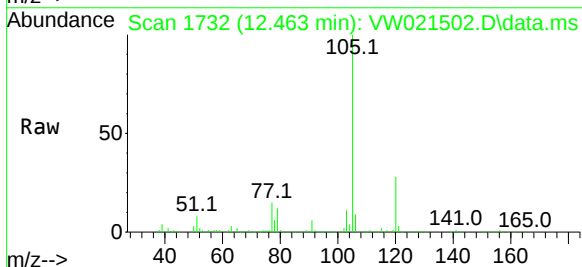
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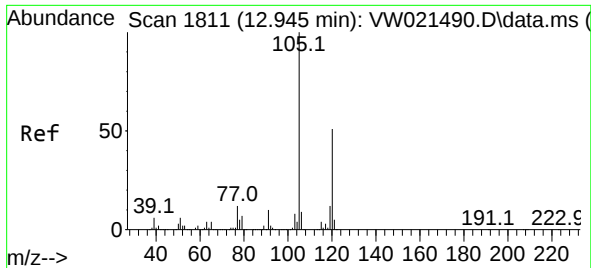
Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021



#60
Isopropylbenzene
Concen: 144.963 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW021502.D
Acq: 20 Dec 2021 16:48

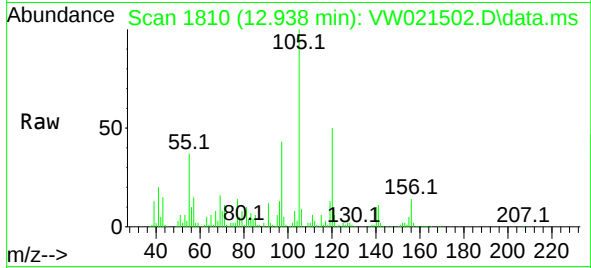
Tgt Ion:105 Resp: 604423
Ion Ratio Lower Upper
105 100
120 27.1 20.1 30.1
77 14.4 13.8 20.8





#62
1,3,5-Trimethylbenzene
Concen: 29.186 ug/L
RT: 12.938 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW021502.D
Acq: 20 Dec 2021 16:48

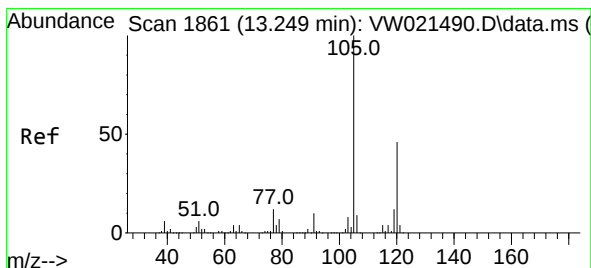
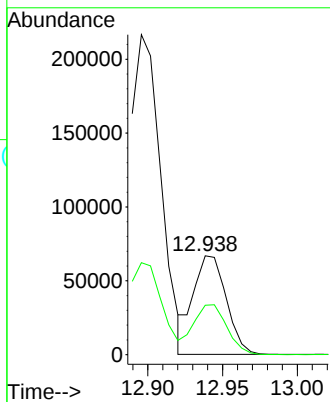
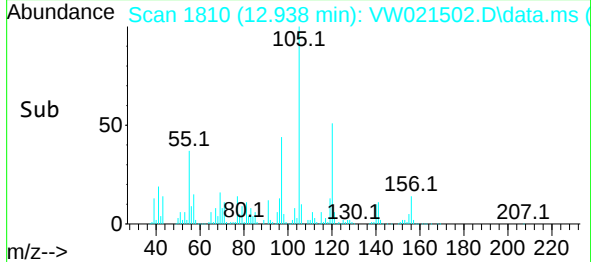
Instrument :
MSVOA_W
ClientSampleId :
BGLA9



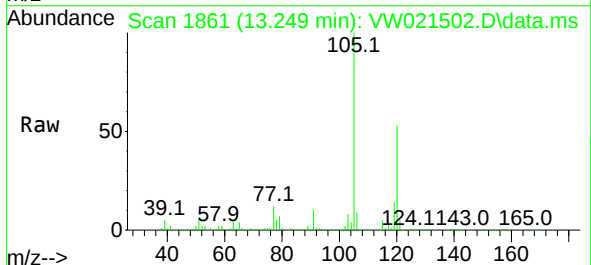
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Ion Ratio Lower Upper
105 100
120 51.0 37.4 56.2

Manual Integrations
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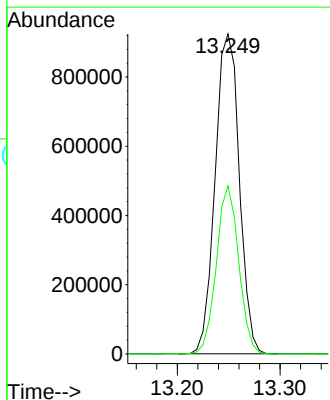
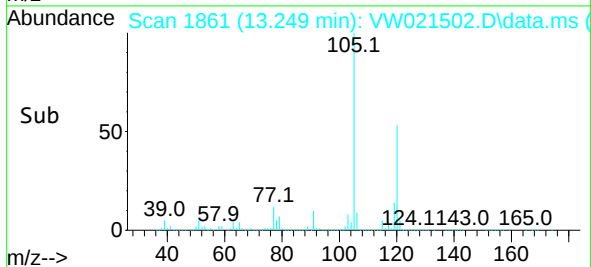
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Supervised By :Amit Patel 12/24/2021

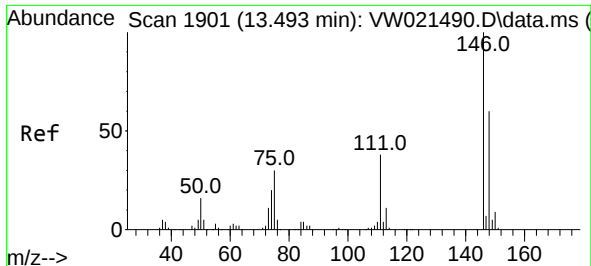


#63
1,2,4-Trimethylbenzene
Concen: 430.514 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW021502.D
Acq: 20 Dec 2021 16:48



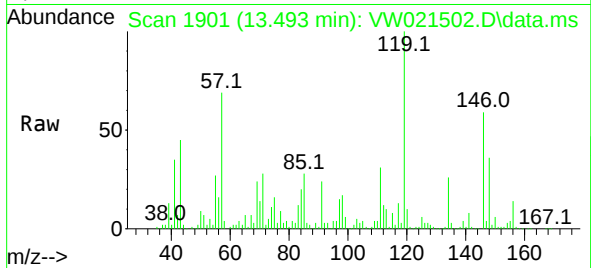
Tgt Ion:105 Resp: 1506804
Ion Ratio Lower Upper
105 100
120 48.6 35.0 52.6





#64
1,3-Dichlorobenzene
Concen: 26.959 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.000 min
Lab File: VW021502.D
Acq: 20 Dec 2021 16:48

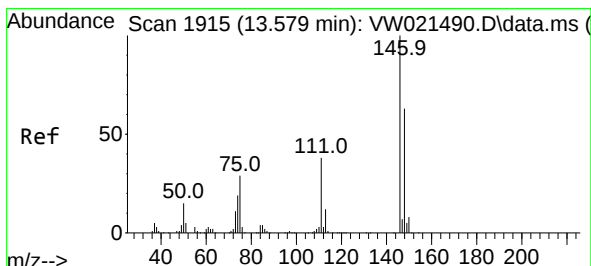
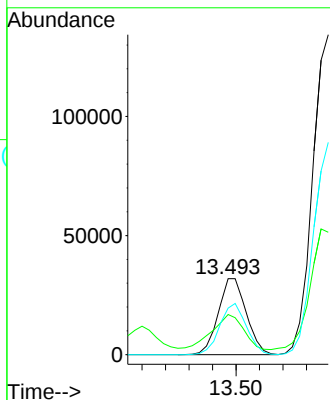
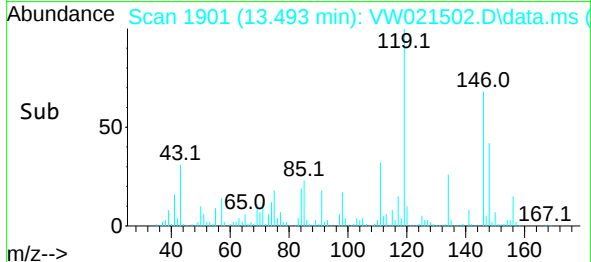
Instrument :
MSVOA_W
ClientSampleId :
BGLA9



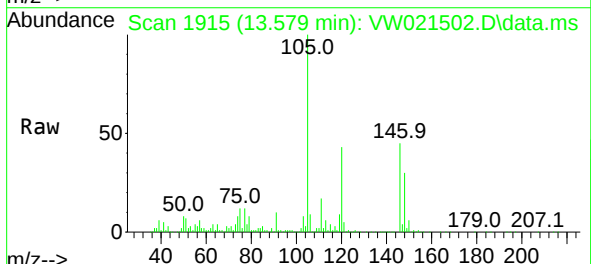
Tgt Ion:146 Resp: 53020
Ion Ratio Lower Upper
146 100
111 52.8 29.8 55.3
148 61.3 46.2 85.8

Manual Integrations
APPROVED

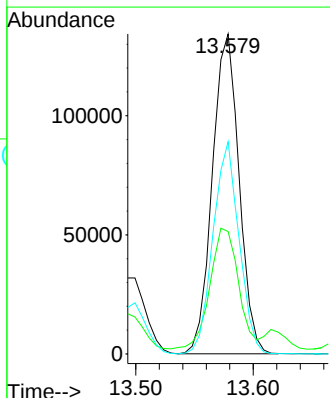
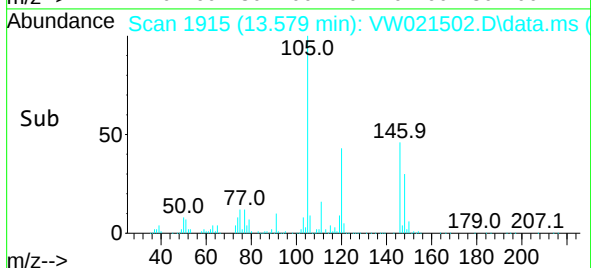
Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021

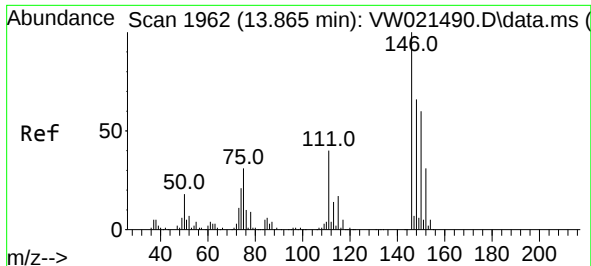


#65
1,4-Dichlorobenzene
Concen: 108.633 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW021502.D
Acq: 20 Dec 2021 16:48



Tgt Ion:146 Resp: 212263
Ion Ratio Lower Upper
146 100
111 38.2 29.0 53.9
148 66.3 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 235.975 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW021502.D

Acq: 20 Dec 2021 16:48

Instrument :

MSVOA_W

ClientSampleId :

BGLA9

Tgt Ion:146 Resp: 408574

Ion Ratio Lower Upper

146 100

111 40.5 33.1 49.7

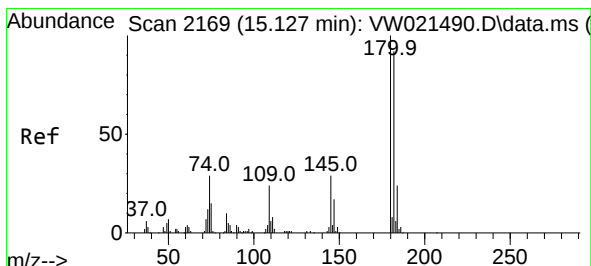
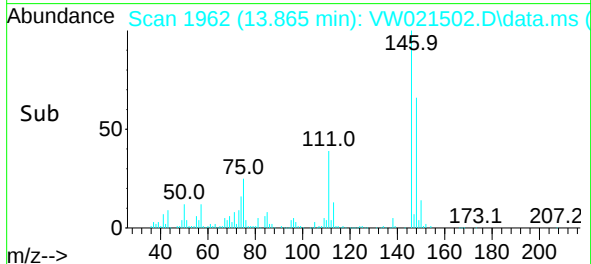
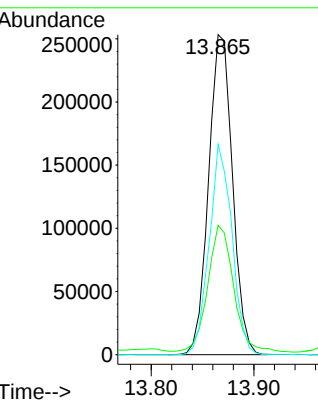
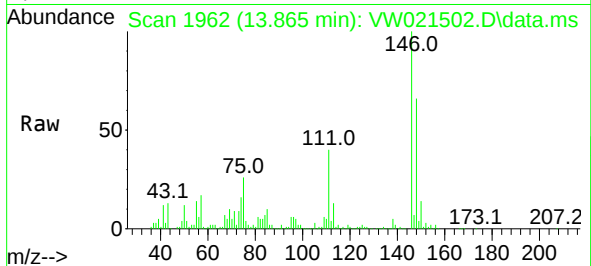
148 65.7 47.4 71.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2021

Supervised By :Amit Patel 12/24/2021



#70

1,2,4-trichlorobenzene

Concen: 21.951 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.006 min

Lab File: VW021502.D

Acq: 20 Dec 2021 16:48

Tgt Ion:180 Resp: 25953

Ion Ratio Lower Upper

180 100

182 100.2 79.0 118.6

145 170.5 26.0 39.0#

