

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
 Data File : VW021498.D
 Acq On : 20 Dec 2021 15:13
 Operator : SY/VA
 Sample : M5171-09
 Misc : 5.33g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLA5

Manual Integrations
 APPROVED

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

Quant Time: Dec 20 18:00:40 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	8.848	114	80488	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.640	117	46710	25.000	ug/L	# 0.01
58) 1,4-Dichlorobenzene-d4	13.548	152	151328	25.000	ug/L	#-0.01
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	41835	28.539	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 114.160%	
7) Chloroethane-d5	2.885	69	26158	26.993	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 107.960%	
11) 1,1-Dichloroethene-d2	4.038	63	71656	36.666	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	= 146.680%#	
21) 2-Butanone-d5	7.086	46	25457	123.199	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	= 246.400%#	
24) Chloroform-d	7.641	84	120021	53.509	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 214.040%#	
26) 1,2-Dichloroethane-d4	8.311	65	41857	35.082	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 140.320%#	
32) Benzene-d6	8.281	84	87206	34.060	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 136.240%#	
36) 1,2-Dichloropropane-d6	9.299	67	41260m	60.089	ug/L	0.02
Spiked Amount	25.000	Range	70 - 120	Recovery	= 240.360%#	
41) Toluene-d8	10.335	98	173280	66.238	ug/L	0.01
Spiked Amount	25.000	Range	30 - 130	Recovery	= 264.960%#	
43) trans-1,3-Dichloroprop...	10.585	79	6643	21.011	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	= 84.040%	
47) 2-Hexanone-d5	10.933	63	20476	201.660	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	= 403.320%#	
56) 1,1,2,2-Tetrachloroeth...	12.676	84	275393	466.551	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 120	Recovery	= 1866.200%#	
66) 1,2-Dichlorobenzene-d4	13.865	152	45309	7.726	ug/L	0.01
Spiked Amount	25.000	Range	75 - 120	Recovery	= 30.920%#	
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.361	62	8042	4.976	ug/L	# 40
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	3327m	2.993	ug/L	
12) 1,1-Dichloroethene	4.050	96	73643	73.814	ug/L	# 65
13) Acetone	4.123	43	23424	126.452	ug/L	98
14) Carbon disulfide	4.397	76	7447m	2.890	ug/L	
17) trans-1,2-Dichloroethene	5.428	96	51593	47.761	ug/L	86
19) 1,1-Dichloroethane	6.220	63	101206	59.704	ug/L	98
20) cis-1,2-Dichloroethene	7.165	96	9462197	8304.623	ug/L	# 59
27) 1,2-Dichloroethane	8.403	62	139437	111.896	ug/L	# 89
29) Cyclohexane	7.933	56	321961	346.299	ug/L	# 59
30) 1,1,1-Trichloroethane	7.878	97	694748	662.903	ug/L	# 93
33) Benzene	8.329	78	4115213	1617.271	ug/L	100
34) Trichloroethene	9.098	95	54193	75.870	ug/L	# 49
35) Methylcyclohexane	9.341	83	1099467	933.119	ug/L	86
42) Toluene	10.408	91	28979473	9737.847	ug/L	85
46) Tetrachloroethene	10.866	164	45283	66.735	ug/L	93
51) Chlorobenzene	11.664	112	4634581	2326.114	ug/L	92
52) Ethylbenzene	11.743	91	34524569m	10151.966	ug/L	
53) m,p-Xylene	11.896	106	20897937m	15232.774	ug/L	

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 Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	12.189	106	12450286	9562.463	ug/L	68
60) Isopropylbenzene	12.481	105	17865516	868.840	ug/L #	89
62) 1,3,5-Trimethylbenzene	12.963	105	5939937	339.471	ug/L	88
63) 1,2,4-Trimethylbenzene	13.268	105	21225904m	1229.712	ug/L	
67) 1,2-Dichlorobenzene	13.871	146	1581438	185.206	ug/L	90
70) 1,2,4-trichlorobenzene	15.133	180	54452	9.339	ug/L #	79
72) 1,2,3-Trichlorobenzene	15.554	180	6408	1.330	ug/L #	74

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

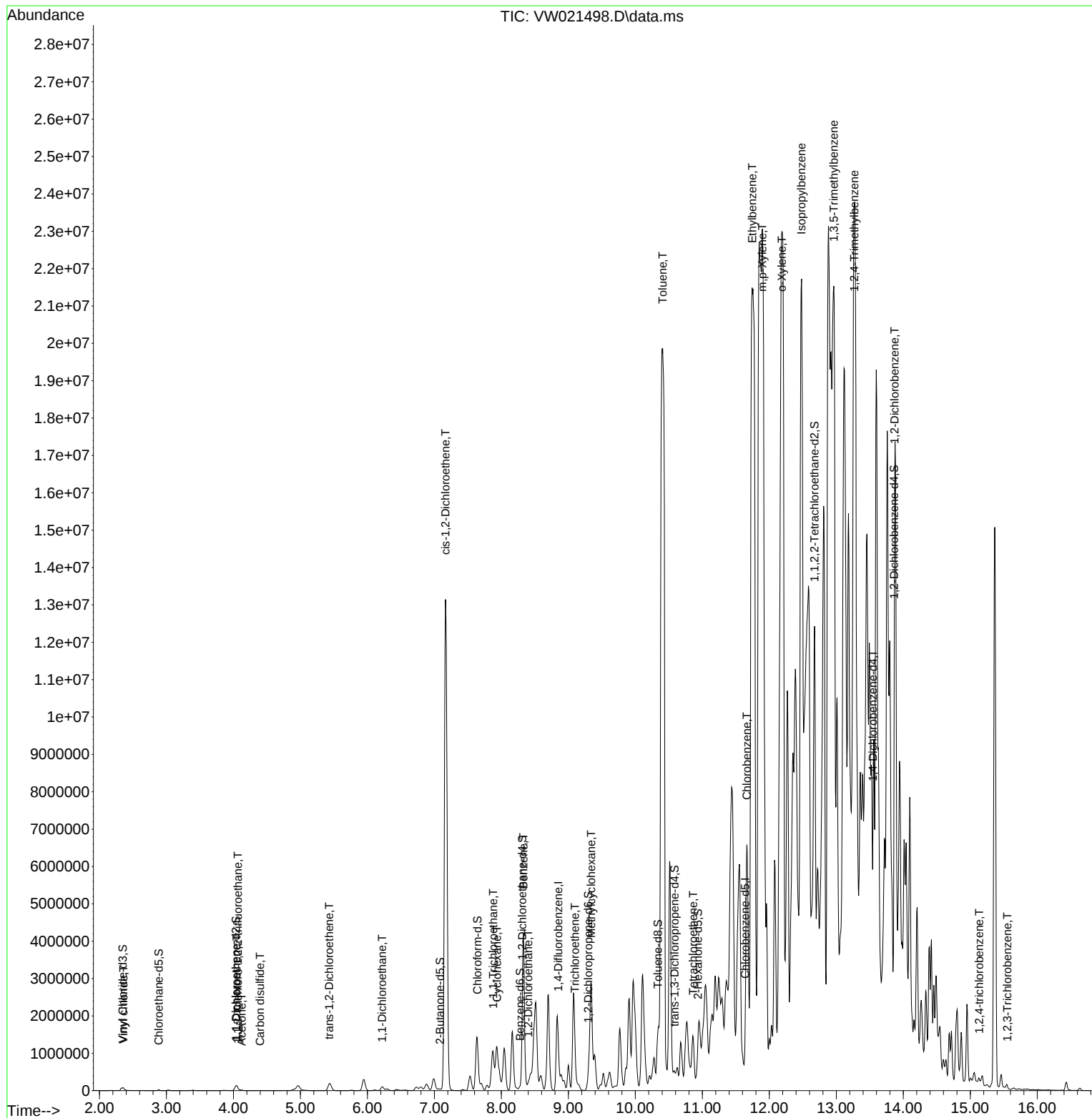
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
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Operator : SY/VA
Sample : M5171-09
Misc : 5.33g/10.0mL/MSVOA_W/SOIL
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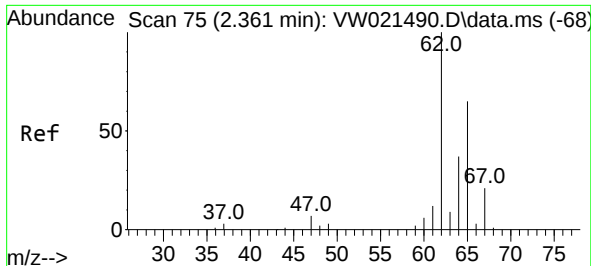
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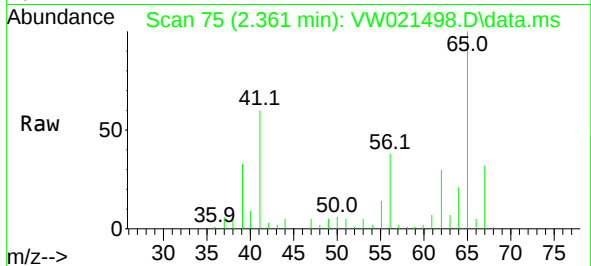
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration





#5
 Vinyl chloride
 Concen: 4.976 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. 0.006 min
 Lab File: VW021498.D
 Acq: 20 Dec 2021 15:13

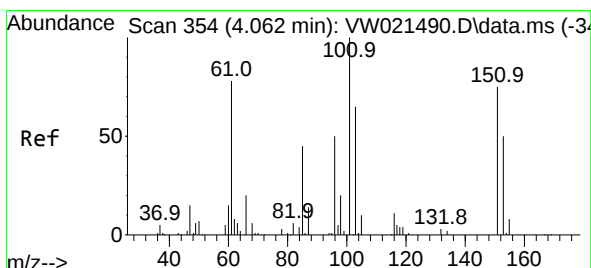
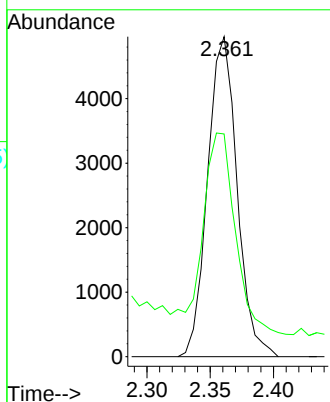
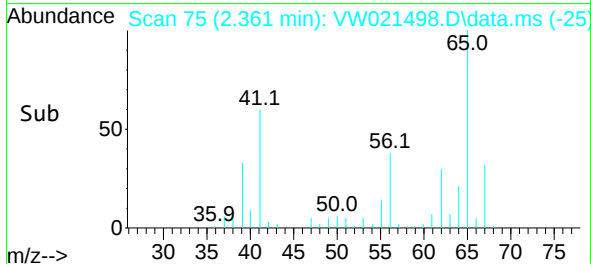
Instrument :
 MSVOA_W
 ClientSampleId :
 BGLA5



Tgt Ion: 62 Resp: 804
 Ion Ratio Lower Upper
 62 100
 64 69.6 24.4 45.2

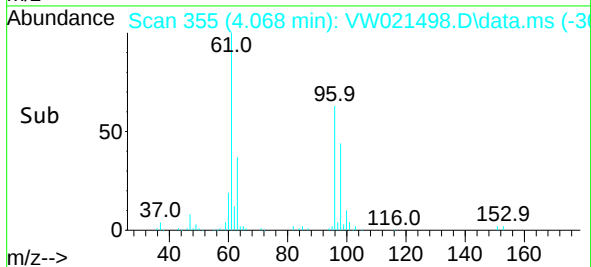
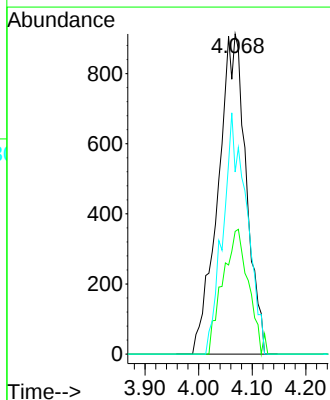
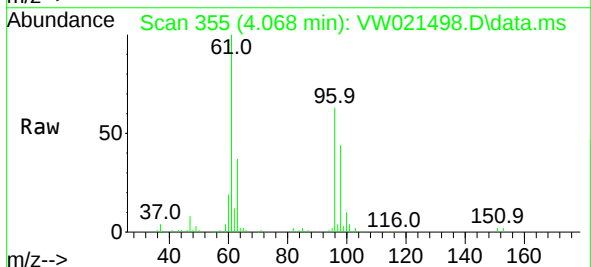
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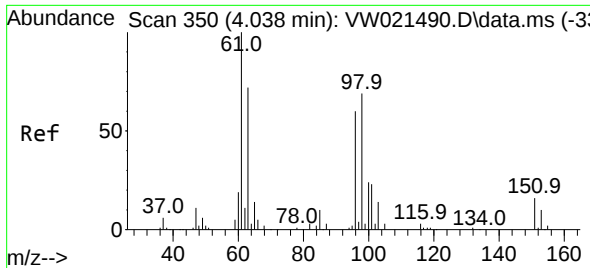
Reviewed By :Semsettin Yesilyurt 12/20/2021
 Supervised By :Amit Patel 12/24/2021



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.993 ug/L m
 RT: 4.068 min Scan# 355
 Delta R.T. 0.012 min
 Lab File: VW021498.D
 Acq: 20 Dec 2021 15:13

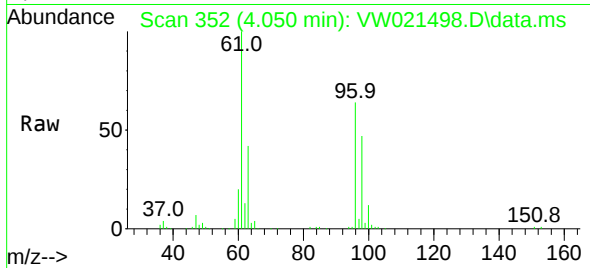
Tgt Ion:101 Resp: 3327
 Ion Ratio Lower Upper
 101 100
 85 35.0 36.6 54.8#
 151 34.3 57.4 86.0#





#12
1,1-Dichloroethene
Concen: 73.814 ug/L
RT: 4.050 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

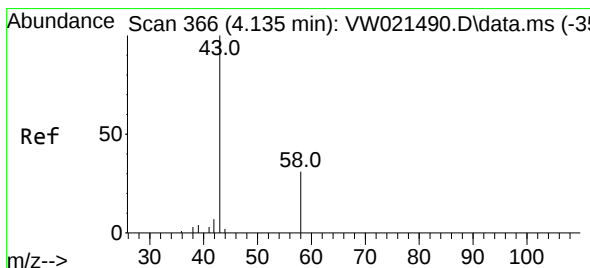
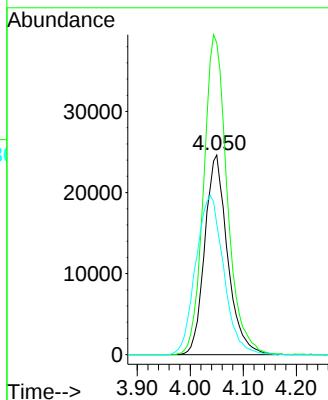
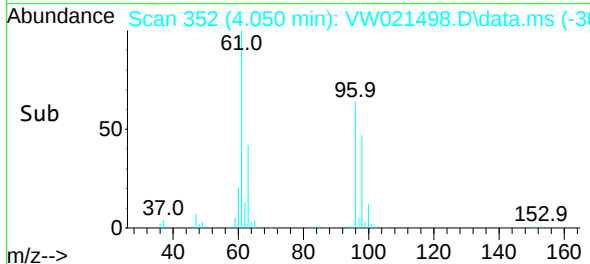
Instrument :
MSVOA_W
ClientSampleId :
BGLA5



Tgt Ion: 96 Resp: 7364
Ion Ratio Lower Upper
96 100
61 156.1 138.3 256.9
63 65.4 82.6 153.4

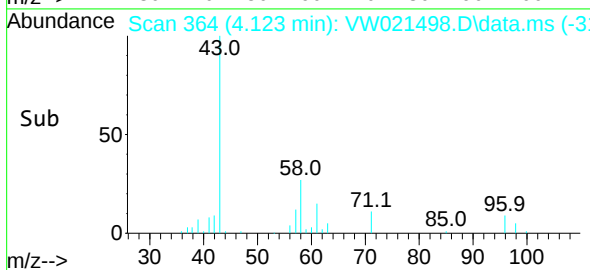
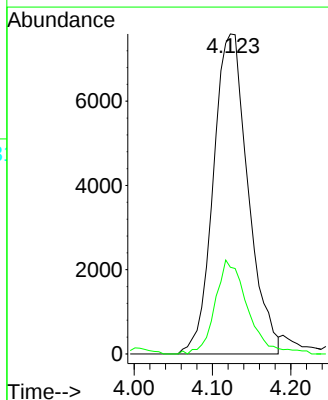
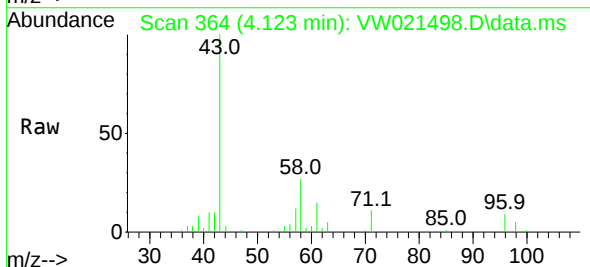
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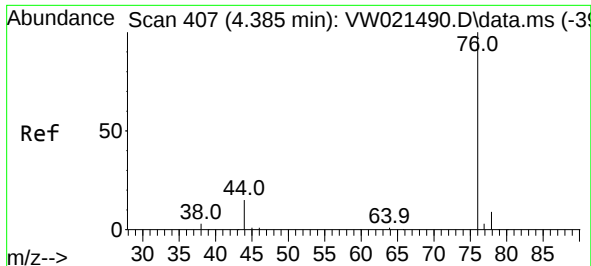
Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021



#13
Acetone
Concen: 126.452 ug/L
RT: 4.123 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

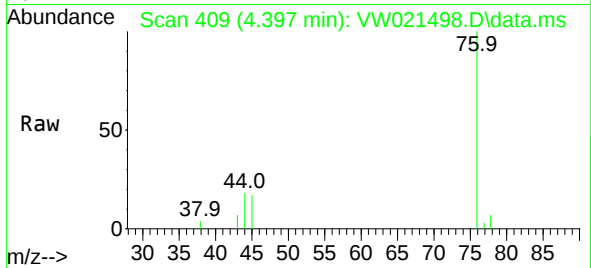
Tgt Ion: 43 Resp: 23424
Ion Ratio Lower Upper
43 100
58 27.4 0.0 52.8





#14
Carbon disulfide
Concen: 2.890 ug/L m
RT: 4.397 min Scan# 407
Delta R.T. 0.018 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

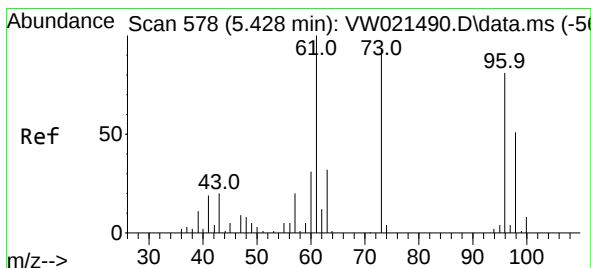
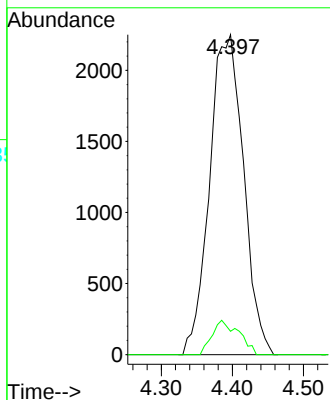
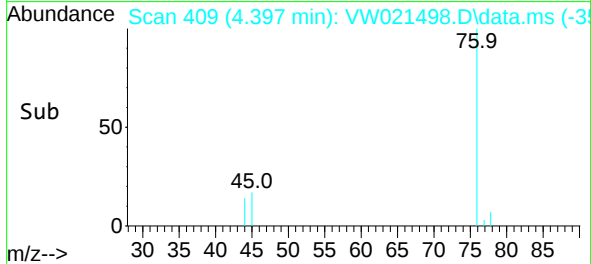
Instrument :
MSVOA_W
ClientSampleId :
BGLA5



Tgt Ion: 76 Resp: 744
Ion Ratio Lower Upper
76 100
78 7.3 7.1 10.7

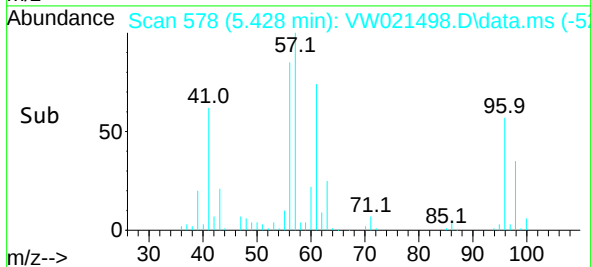
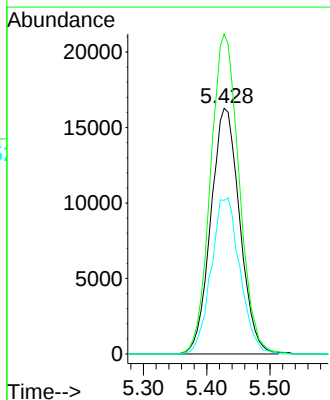
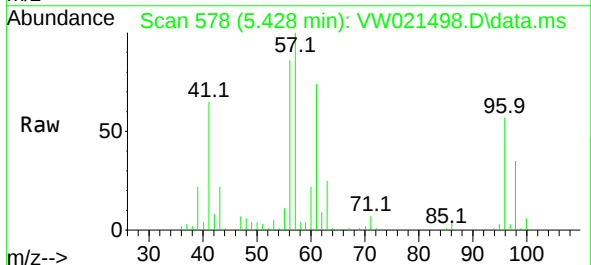
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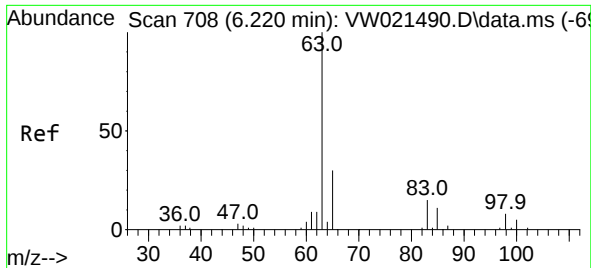
Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021



#17
trans-1,2-Dichloroethene
Concen: 47.761 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

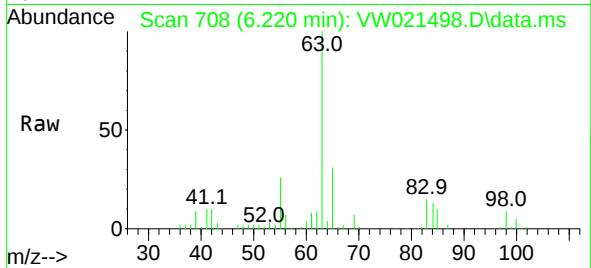
Tgt Ion: 96 Resp: 51593
Ion Ratio Lower Upper
96 100
61 130.3 107.4 199.4
98 62.5 41.2 76.6





#19
1,1-Dichloroethane
Concen: 59.704 ug/L
RT: 6.220 min Scan# 708
Delta R.T. 0.006 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

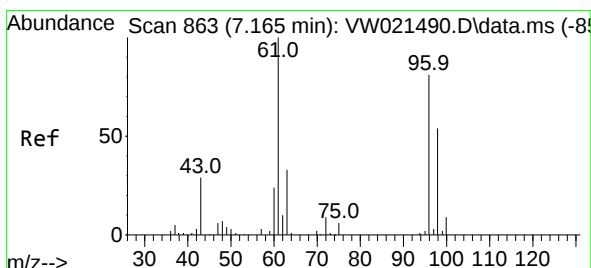
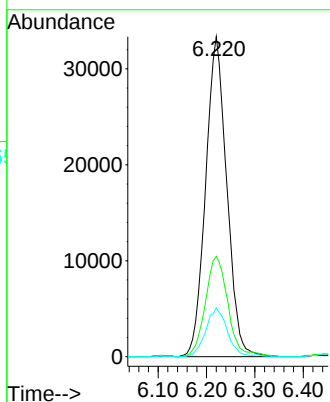
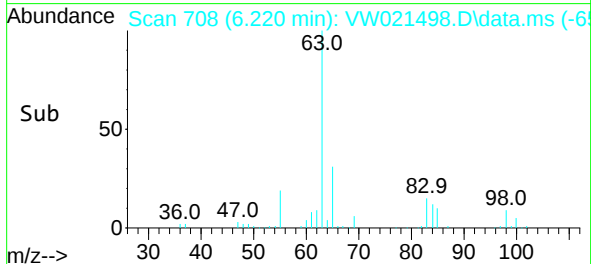
Instrument :
MSVOA_W
Client SampleId :
BGLA5



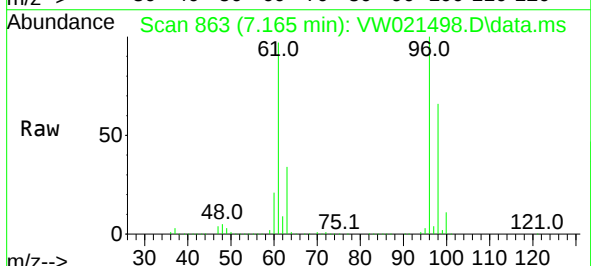
Tgt Ion: 63 Resp: 101200
Ion Ratio Lower Upper
63 100
65 31.3 22.1 41.1
83 15.3 9.2 17.2

Manual Integrations
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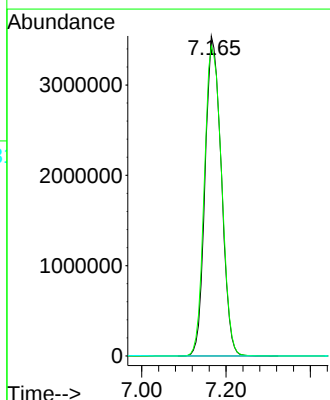
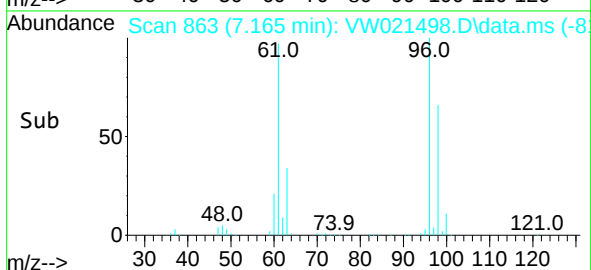
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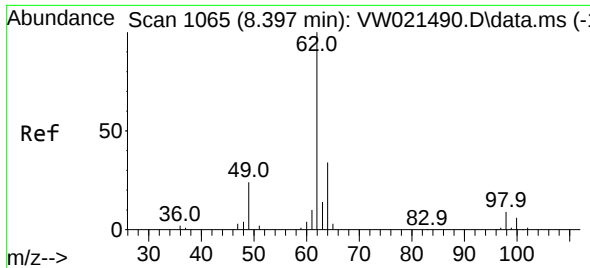


#20
cis-1,2-Dichloroethene
Concen: 8304.623 ug/L
RT: 7.165 min Scan# 863
Delta R.T. -0.006 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13



Tgt Ion: 96 Resp: 9462197
Ion Ratio Lower Upper
96 100
61 96.9 103.7 192.7#
68 0.0 0.0 0.0#





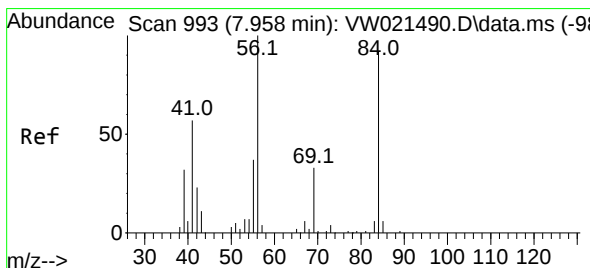
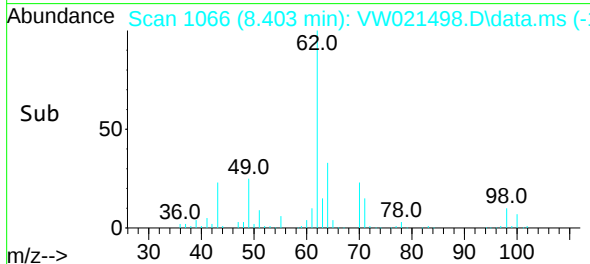
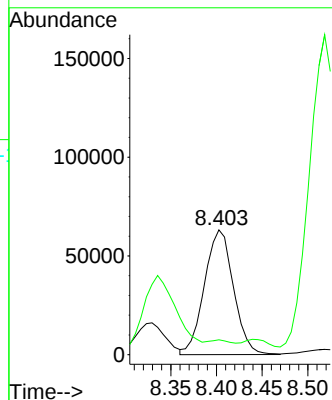
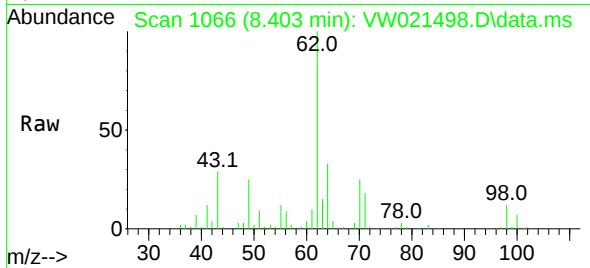
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1,2-Dichloroethane
Concen: 111.896 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

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Tgt Ion: 62 Resp: 13943
Ion Ratio Lower Upper
62 100
98 11.9 6.5 9.7

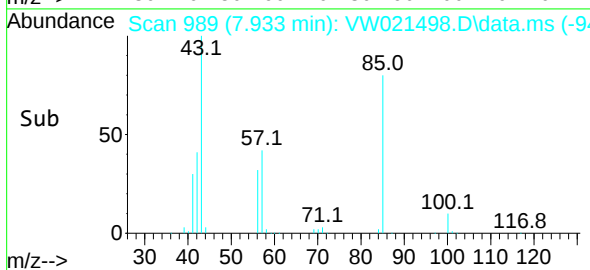
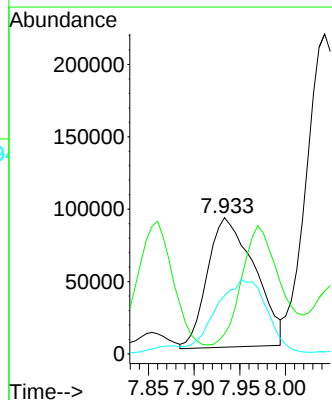
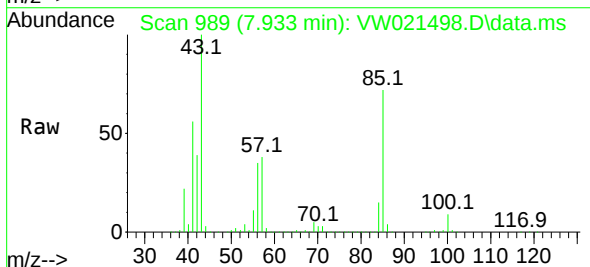
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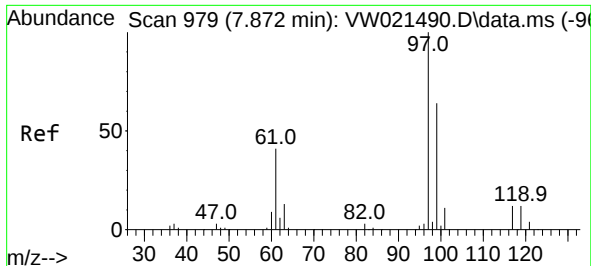
Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021



#29
Cyclohexane
Concen: 346.299 ug/L
RT: 7.933 min Scan# 989
Delta R.T. -0.018 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

Tgt Ion: 56 Resp: 321961
Ion Ratio Lower Upper
56 100
69 83.3 23.5 35.3#
84 62.0 63.4 95.2#





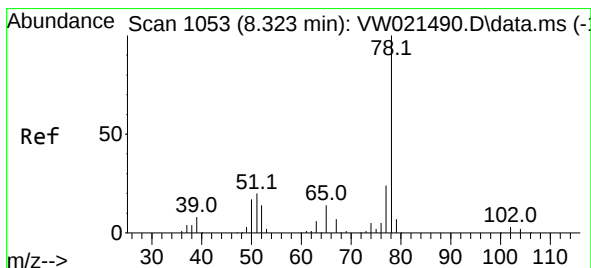
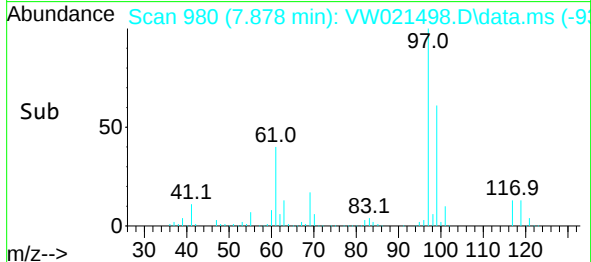
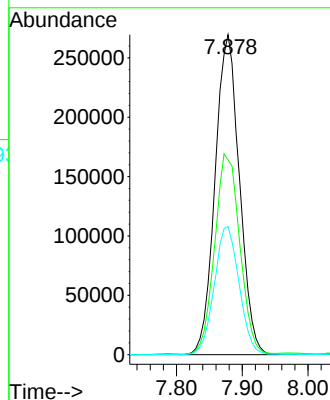
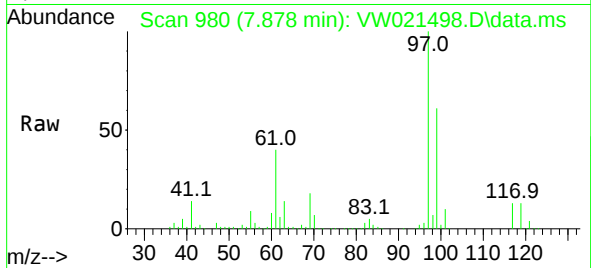
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1,1,1-Trichloroethane
Concen: 662.903 ug/L
RT: 7.878 min Scan# 90
Delta R.T. 0.006 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

Instrument :
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ClientSampleId :
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Tgt Ion: 97 Resp: 694748
Ion Ratio Lower Upper
97 100
99 65.0 51.6 77.4
61 40.7 40.9 61.3

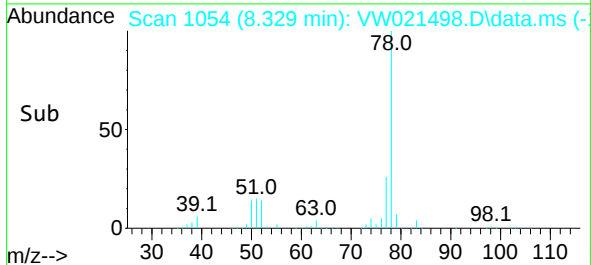
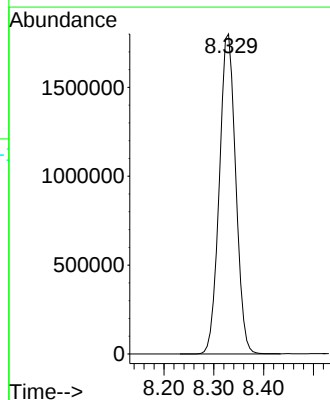
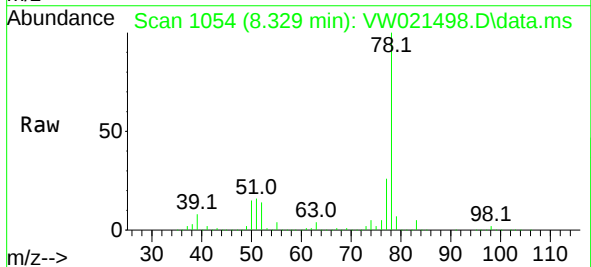
Manual Integrations
APPROVED

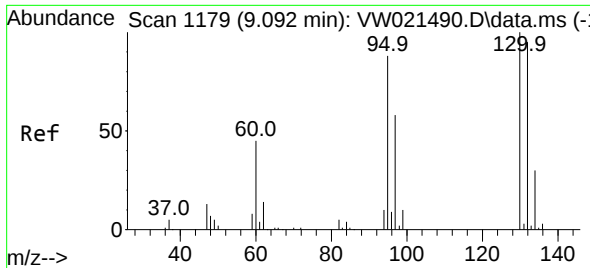
Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021



#33
Benzene
Concen: 1617.271 ug/L
RT: 8.329 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

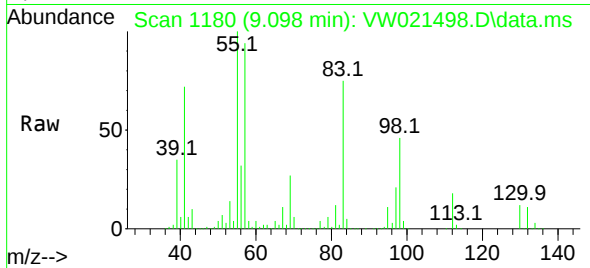
Tgt Ion: 78 Resp: 4115213





#34
Trichloroethene
Concen: 75.870 ug/L
RT: 9.098 min Scan# 1179
Delta R.T. 0.006 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

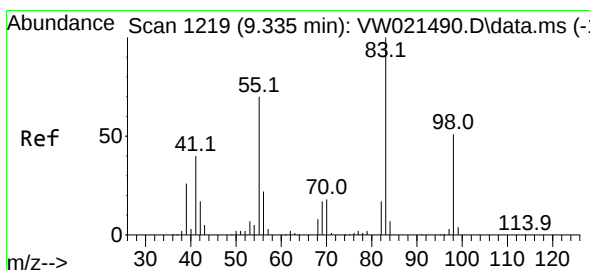
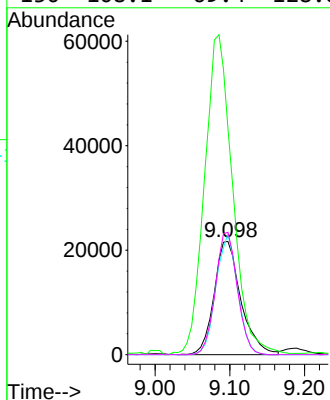
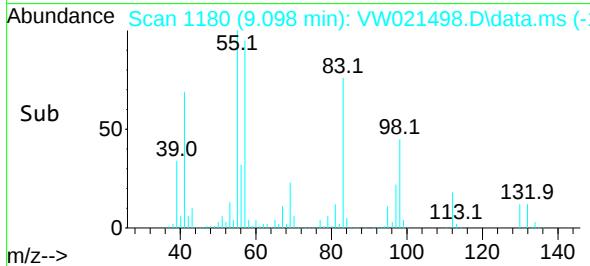
Instrument :
MSVOA_W
ClientSampleId :
BGLA5



Tgt Ion: 95 Resp: 54193
Ion Ratio Lower Upper
95 100
97 199.8 47.0 87.2
132 106.6 65.5 121.6
130 108.1 69.4 128.8

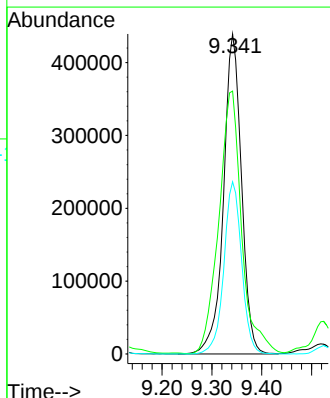
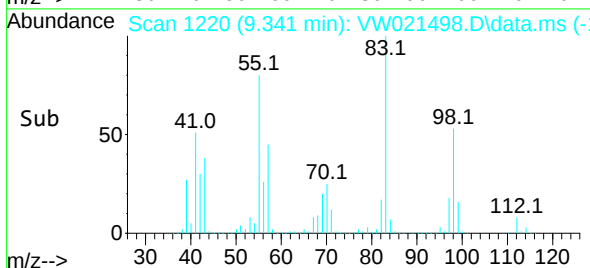
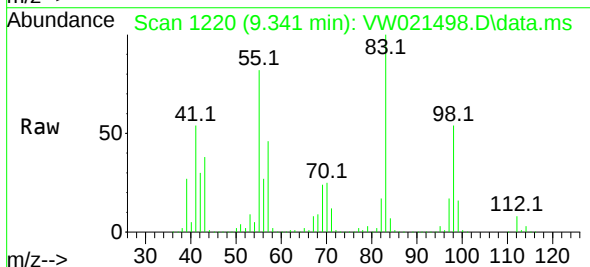
Manual Integrations
APPROVED

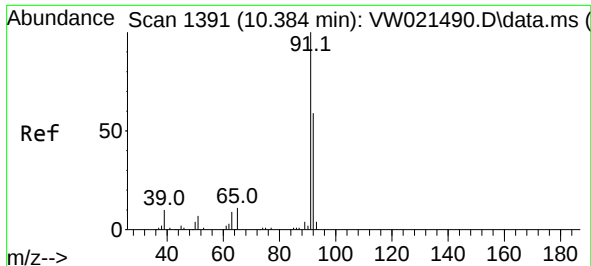
Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021



#35
Methylcyclohexane
Concen: 933.119 ug/L
RT: 9.341 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

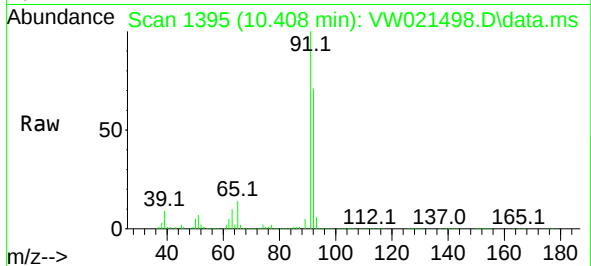
Tgt Ion: 83 Resp: 1099467
Ion Ratio Lower Upper
83 100
55 103.9 70.8 106.2
98 53.2 37.7 56.5





#42
Toluene
Concen: 9737.847 ug/L
RT: 10.408 min Scan# 1395
Delta R.T. 0.024 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

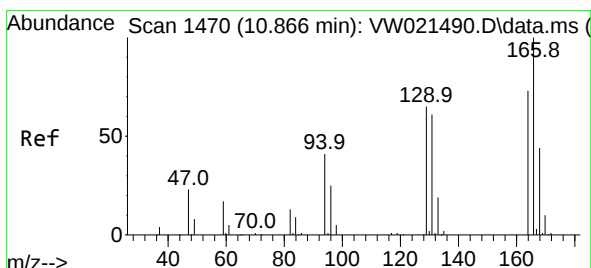
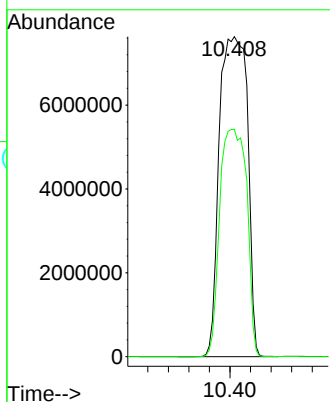
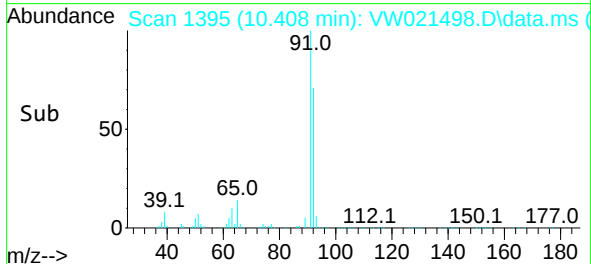
Instrument :
MSVOA_W
ClientSampleId :
BGLA5



Tgt Ion: 91 Resp: 2897947
Ion Ratio Lower Upper
91 100
92 71.1 41.7 77.5

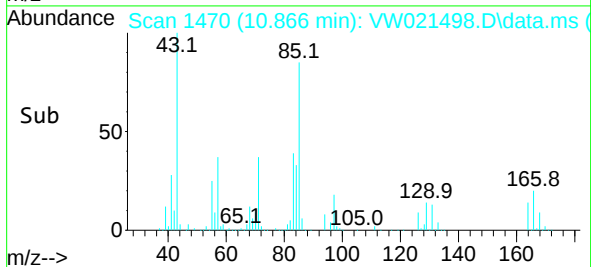
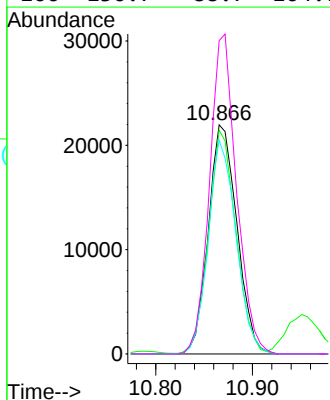
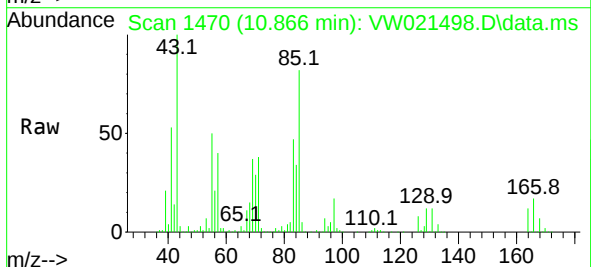
Manual Integrations
APPROVED

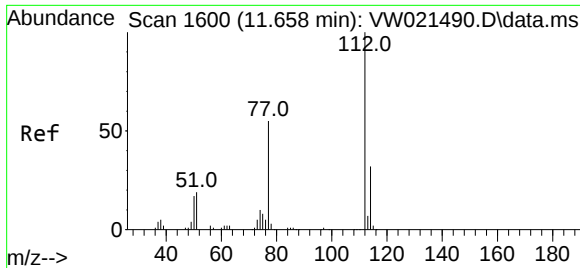
Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021



#46
Tetrachloroethene
Concen: 66.735 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

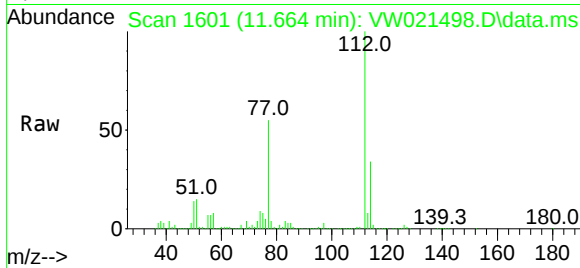
Tgt Ion: 164 Resp: 45283
Ion Ratio Lower Upper
164 100
129 97.7 65.5 121.7
131 93.3 59.7 110.9
166 136.7 88.7 164.7





#51
Chlorobenzene
Concen: 2326.114 ug/L
RT: 11.664 min Scan# 1601
Delta R.T. 0.012 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

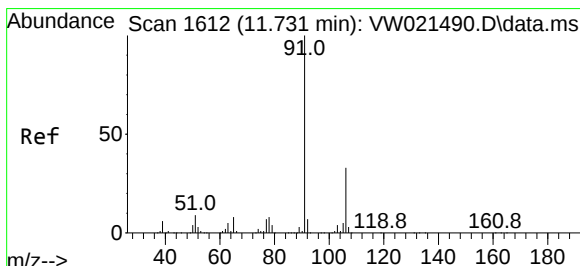
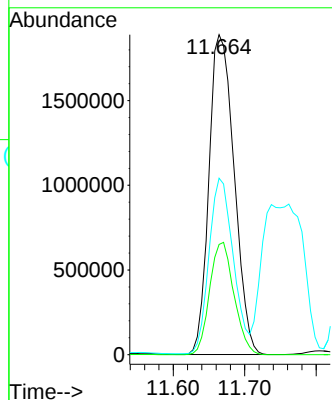
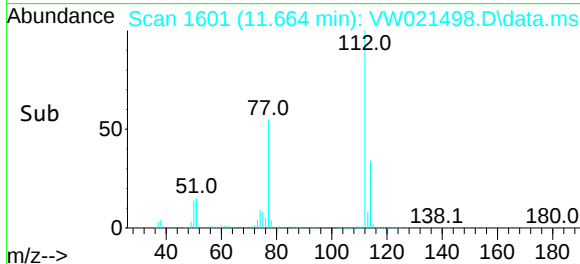
Instrument :
MSVOA_W
ClientSampleId :
BGLA5



Tgt Ion:112 Resp: 463458
Ion Ratio Lower Upper
112 100
114 34.5 22.4 41.6
77 55.1 50.2 75.4

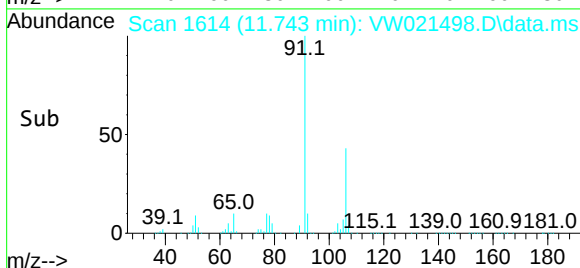
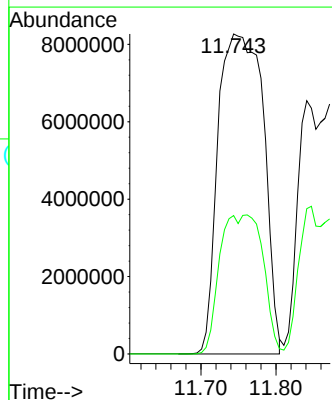
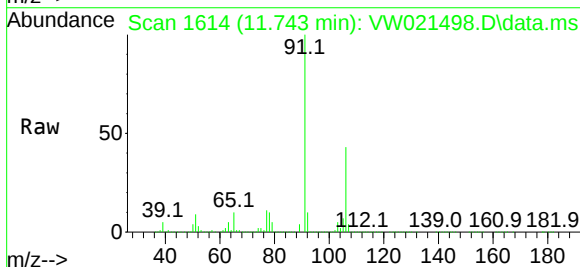
Manual Integrations
APPROVED

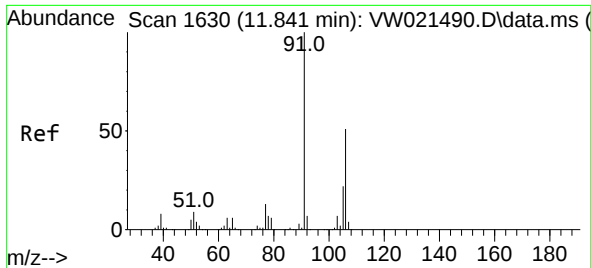
Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021



#52
Ethylbenzene
Concen: 10151.966 ug/L m
RT: 11.743 min Scan# 1614
Delta R.T. 0.012 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

Tgt Ion: 91 Resp:34524569
Ion Ratio Lower Upper
91 100
106 43.3 21.5 39.9#





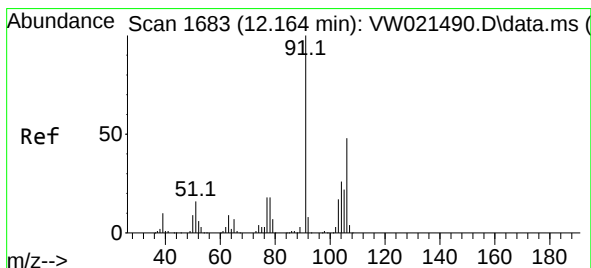
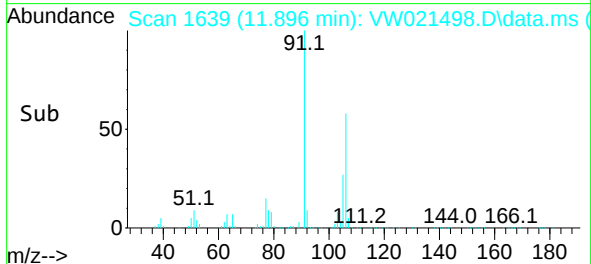
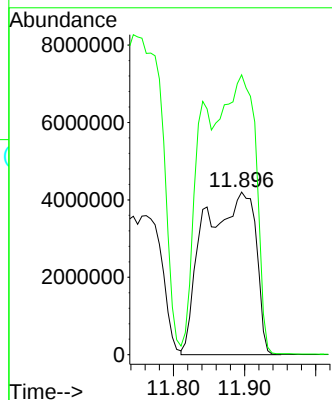
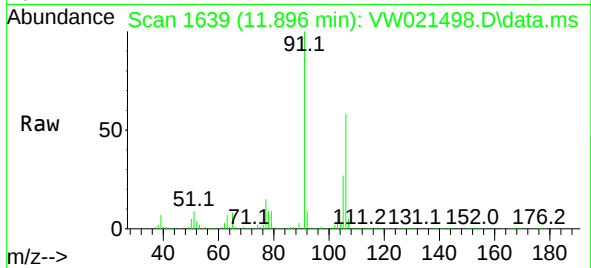
#53
m,p-Xylene
Concen: 15232.774 ug/L m
RT: 11.896 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

Instrument :
MSVOA_W
ClientSampleId :
BGLA5

Tgt Ion:106 Resp:2089793
Ion Ratio Lower Upper
106 100
91 172.1 149.9 278.3

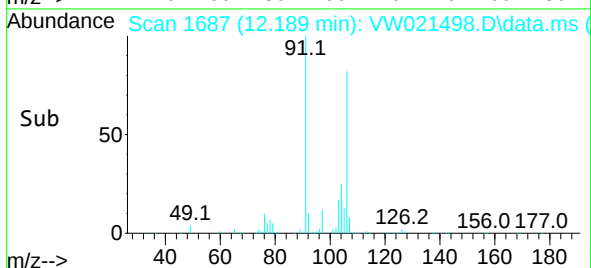
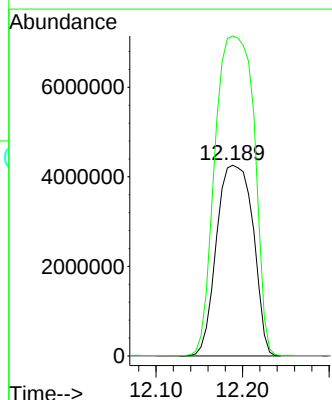
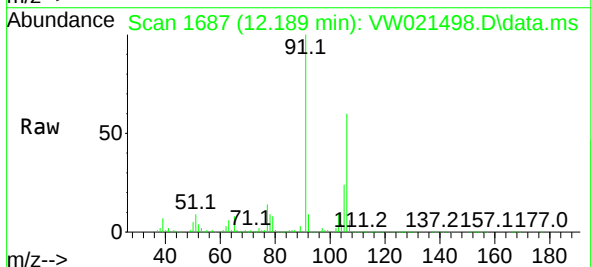
Manual Integrations
APPROVED

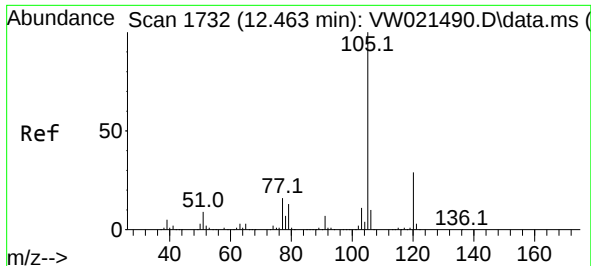
Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021



#54
o-Xylene
Concen: 9562.463 ug/L
RT: 12.189 min Scan# 1687
Delta R.T. 0.024 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

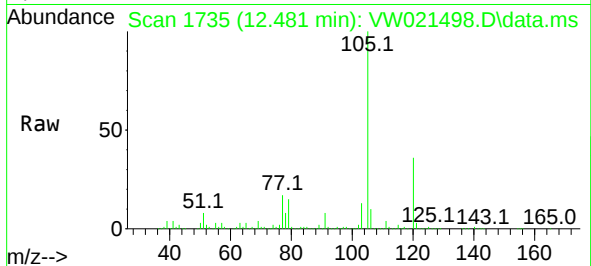
Tgt Ion:106 Resp:12450286
Ion Ratio Lower Upper
106 100
91 167.8 153.6 285.3





#60
Isopropylbenzene
Concen: 868.840 ug/L
RT: 12.481 min Scan# 1735
Delta R.T. 0.018 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

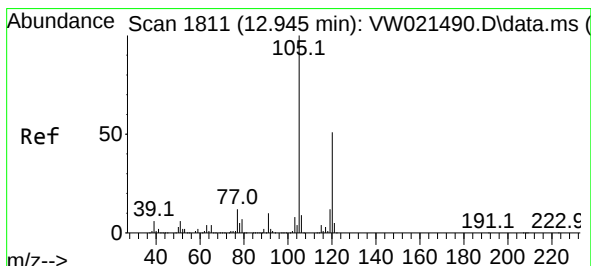
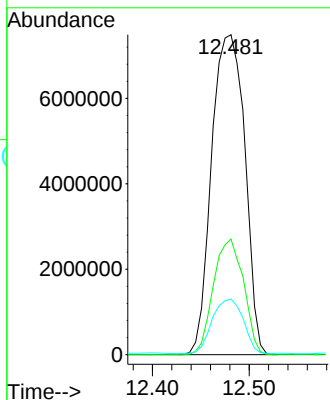
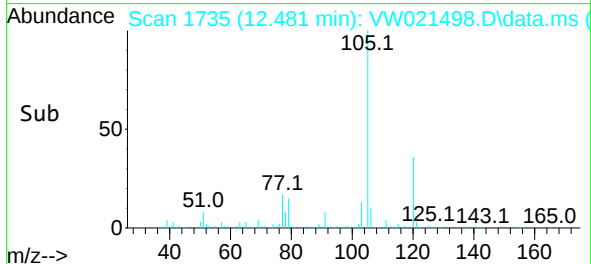
Instrument :
MSVOA_W
ClientSampleId :
BGLA5



Tgt Ion:105 Resp:17865510
Ion Ratio Lower Upper
105 100
120 32.8 20.1 30.1
77 15.7 13.8 20.8

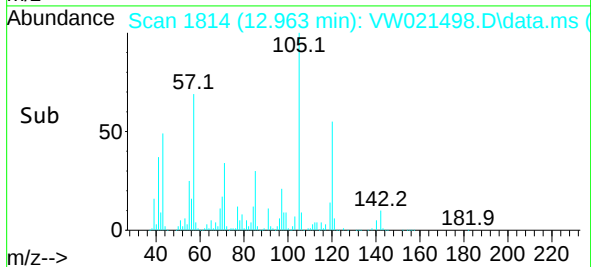
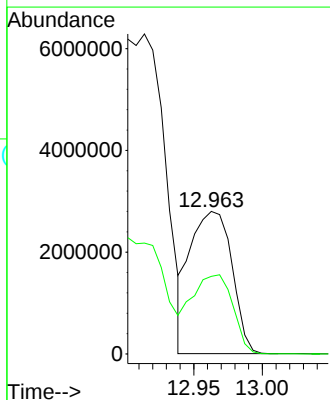
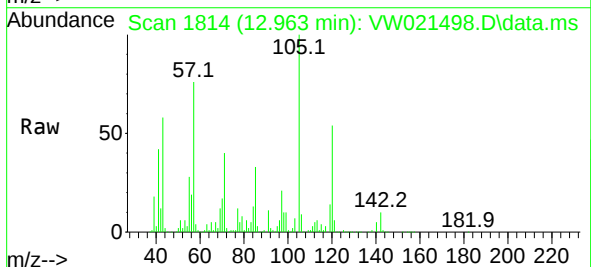
Manual Integrations
APPROVED

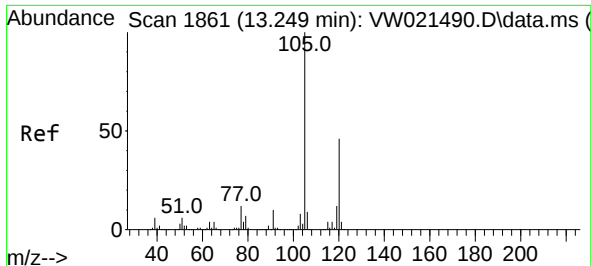
Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021



#62
1,3,5-Trimethylbenzene
Concen: 339.471 ug/L
RT: 12.963 min Scan# 1814
Delta R.T. 0.024 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

Tgt Ion:105 Resp: 5939937
Ion Ratio Lower Upper
105 100
120 55.0 37.4 56.2





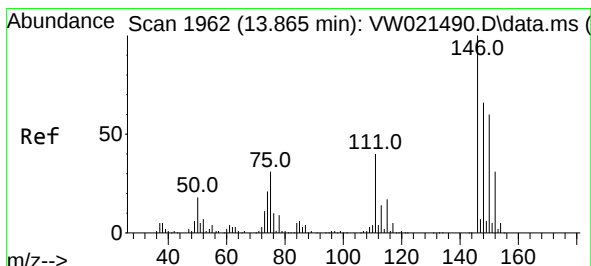
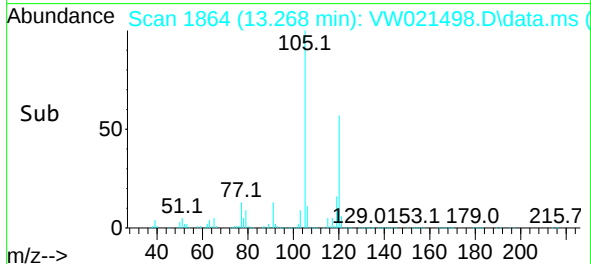
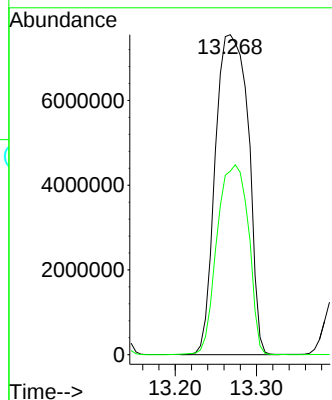
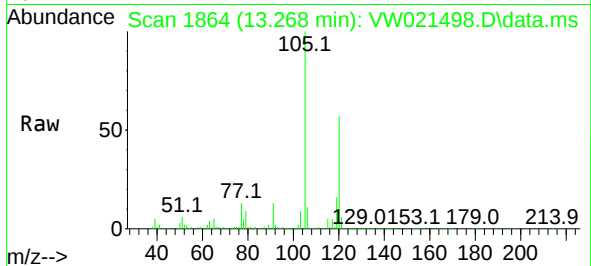
#63
1,2,4-Trimethylbenzene
Concen: 1229.712 ug/L m
RT: 13.268 min Scan# 1864
Delta R.T. 0.018 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

Instrument :
MSVOA_W
ClientSampleId :
BGLA5

Tgt Ion:105 Resp:21225904
Ion Ratio Lower Upper
105 100
120 23.2 35.0 52.6

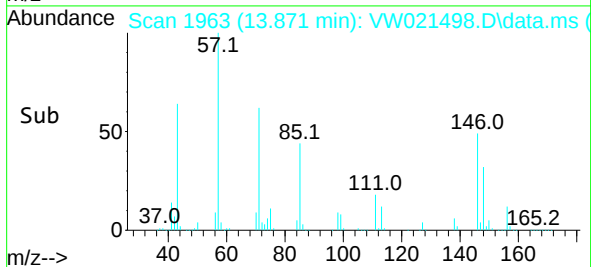
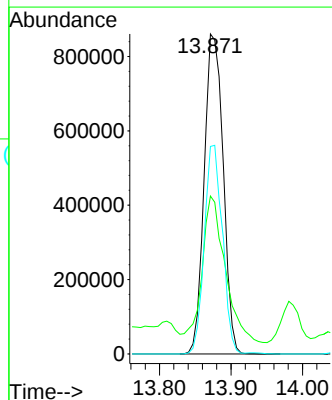
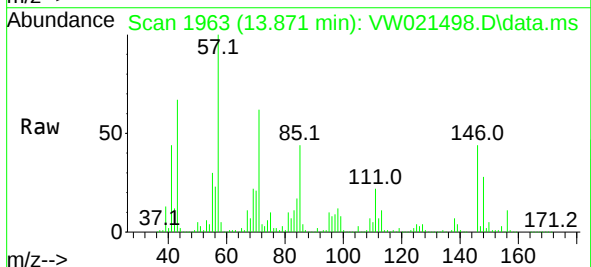
Manual Integrations
APPROVED

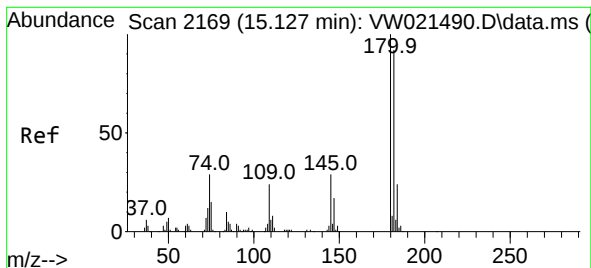
Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021



#67
1,2-Dichlorobenzene
Concen: 185.206 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW021498.D
Acq: 20 Dec 2021 15:13

Tgt Ion:146 Resp: 1581438
Ion Ratio Lower Upper
146 100
111 49.3 33.1 49.7
148 64.8 47.4 71.2





#70

1,2,4-trichlorobenzene

Concen: 9.339 ug/L

RT: 15.133 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW021498.D

Acq: 20 Dec 2021 15:13

Instrument :

MSVOA_W

ClientSampleId :

BGLA5

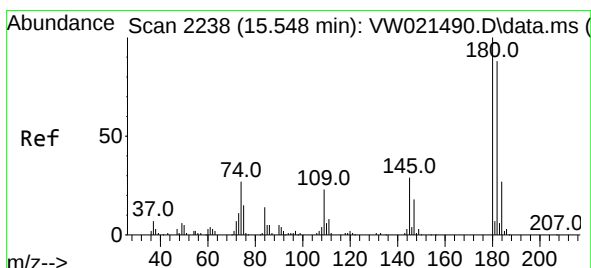
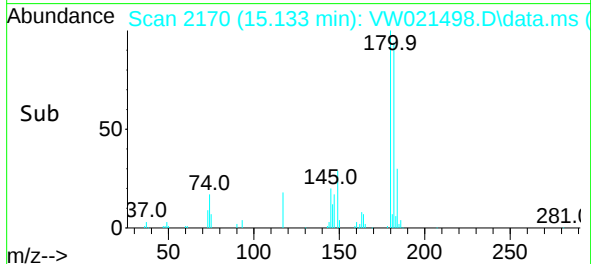
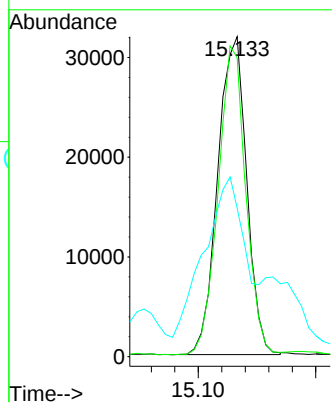
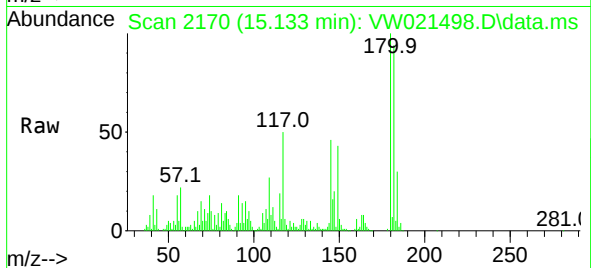
Tgt Ion:180 Resp: 54452
 Ion Ratio Lower Upper
 180 100
 182 93.7 79.0 118.6
 145 70.9 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2021

Supervised By :Amit Patel 12/24/2021



#72

1,2,3-Trichlorobenzene

Concen: 1.330 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.006 min

Lab File: VW021498.D

Acq: 20 Dec 2021 15:13

Tgt Ion:180 Resp: 6408
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.6 114.8
 145 87.6 27.4 41.0

