

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
 Data File : VW022505.D
 Acq On : 12 Apr 2022 14:21
 Operator : SY/VA
 Sample : N2316-13
 Misc : 5.75g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETNR3

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/13/2022
 Supervised By : Mahesh Dadoda 04/14/2022

Quant Time: Apr 12 23:32:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Apr 12 23:30:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	370199	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	328572	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	131758	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	126599	15.469	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	61.880%		
7) Chloroethane-d5	2.885	69	91988	17.935	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	71.720%		
11) 1,1-Dichloroethene-d2	4.019	63	138175	13.017	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	52.080%		
21) 2-Butanone-d5	7.080	46	91649	64.143	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	128.280%		
24) Chloroform-d	7.647	84	245501	21.217	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	84.880%		
26) 1,2-Dichloroethane-d4	8.305	65	160449	24.269	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	97.080%		
32) Benzene-d6	8.274	84	453875	22.610	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	90.440%		
36) 1,2-Dichloropropane-d6	9.274	67	146538	25.225	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	100.880%		
41) Toluene-d8	10.323	98	408834	20.794	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	83.160%		
43) trans-1,3-Dichloroprop...	10.579	79	63194	23.049	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	92.200%		
47) 2-Hexanone-d5	10.926	63	88284	81.681	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	163.360%#		
56) 1,1,2,2-Tetrachloroeth...	12.688	84	139754	28.293	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	113.160%		
66) 1,2-Dichlorobenzene-d4	13.847	152	113760	24.376	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	97.520%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.044	96	8325	1.670	ug/L #	1
13) Acetone	4.135	43	36389m	37.405	ug/L	
19) 1,1-Dichloroethane	6.220	63	15377	1.443	ug/L	93
20) cis-1,2-Dichloroethene	7.165	96	4322	0.701	ug/L #	94
22) 2-Butanone	7.183	43	5447	3.707	ug/L	82
27) 1,2-Dichloroethane	8.403	62	76244	9.667	ug/L	96
29) Cyclohexane	7.957	56	63510	6.754	ug/L	95
33) Benzene	8.323	78	1375373	61.654	ug/L	100
34) Trichloroethene	9.091	95	28608	4.790	ug/L	95
35) Methylcyclohexane	9.335	83	58091	5.421	ug/L	95
37) 1,2-Dichloropropane	9.366	63	5460	1.022	ug/L #	92
42) Toluene	10.384	91	127570	4.991	ug/L	95
51) Chlorobenzene	11.652	112	143735	9.201	ug/L	96
53) m,p-Xylene	11.835	106	7181	0.659	ug/L	80
65) 1,4-Dichlorobenzene	13.572	146	29376	3.316	ug/L	97
67) 1,2-Dichlorobenzene	13.865	146	28428	3.579	ug/L	98
70) 1,2,4-trichlorobenzene	15.127	180	34721	7.133	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	16995	4.085	ug/L	94

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Supervised By :Mahesh Dadoda 04/14/2022

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Quant Title : SFAM01.0
QLast Update : Tue Apr 12 23:30:19 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

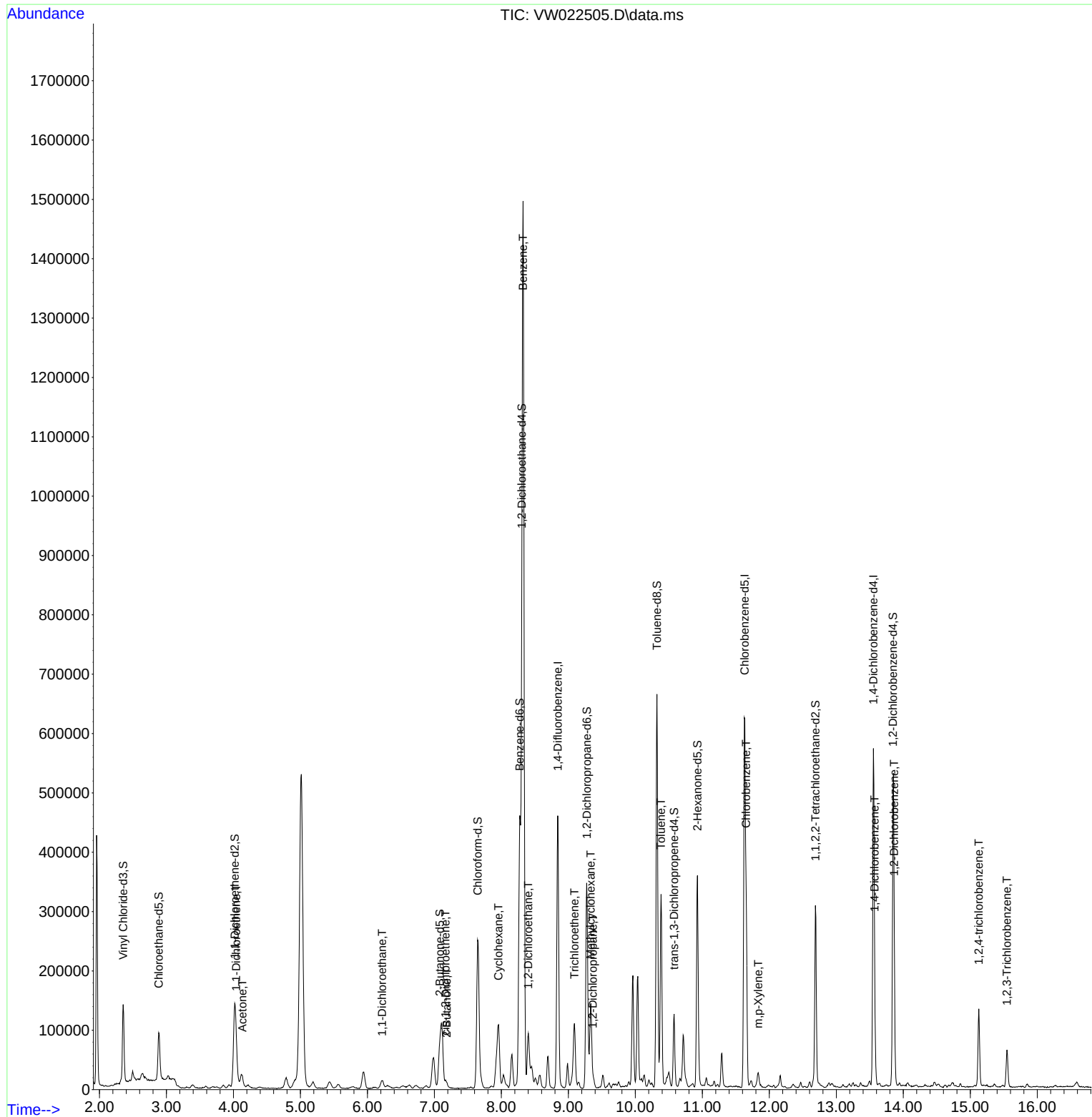
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
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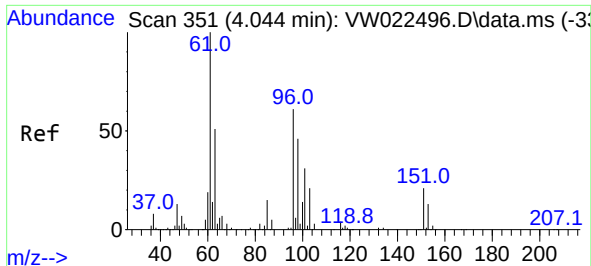
Instrument :
MSVOA_W
ClientSampleId :
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Quant Time: Apr 12 23:32:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
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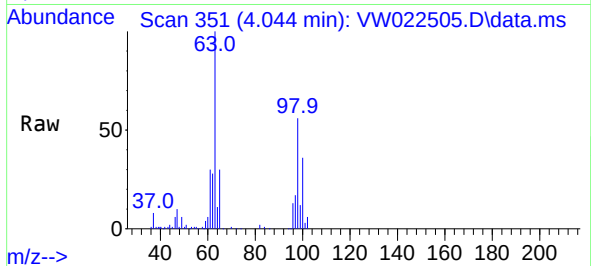
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022





#12
1,1-Dichloroethene
Concen: 1.670 ug/L
RT: 4.044 min Scan# 351
Delta R.T. -0.000 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

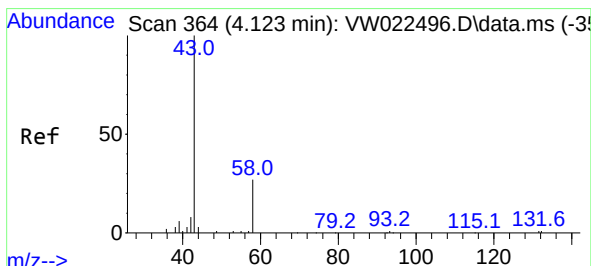
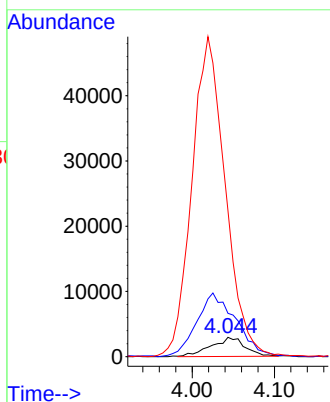
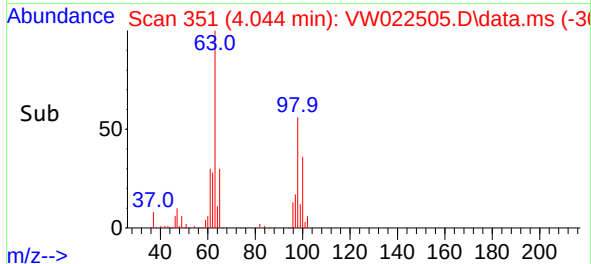
Instrument : MSVOA_W
ClientSampleId : ETNR3



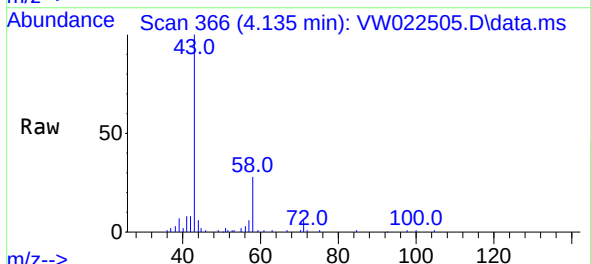
Tgt Ion: 96 Resp: 832
Ion Ratio Lower Upper
96 100
61 224.7 128.0 237.6
63 755.7 86.6 160.8

Manual Integrations
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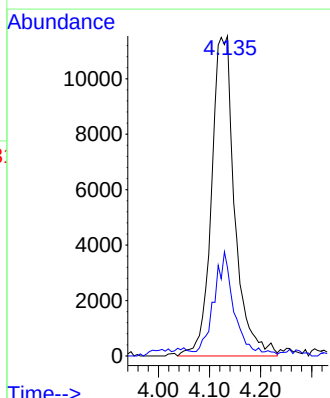
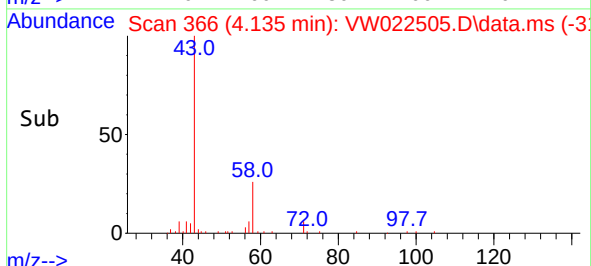
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

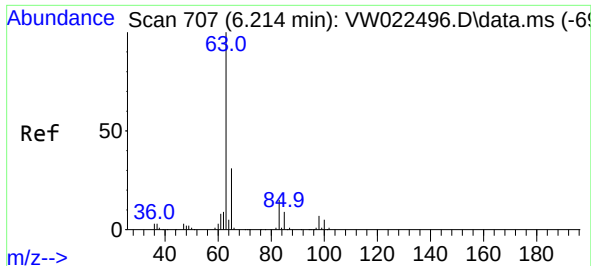


#13
Acetone
Concen: 37.405 ug/L m
RT: 4.135 min Scan# 366
Delta R.T. 0.012 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21



Tgt Ion: 43 Resp: 36389
Ion Ratio Lower Upper
43 100
58 28.0 0.0 57.0





#19

1,1-Dichloroethane

Concen: 1.443 ug/L

RT: 6.220 min Scan# 70

Delta R.T. 0.006 min

Lab File: VW022505.D

Acq: 12 Apr 2022 14:21

Instrument :

MSVOA_W

ClientSampleId :

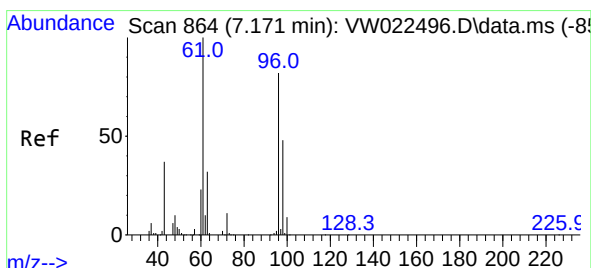
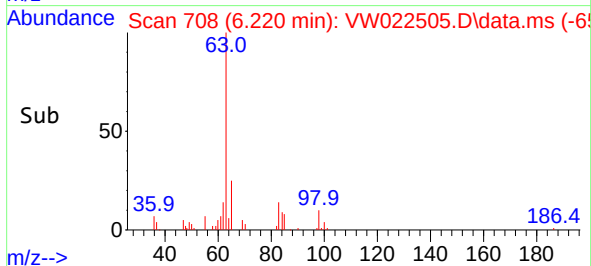
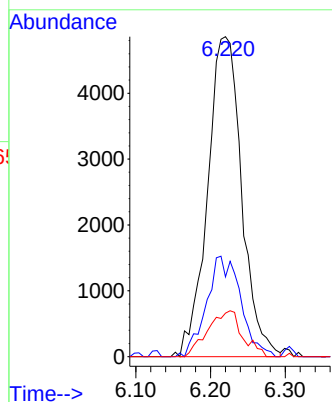
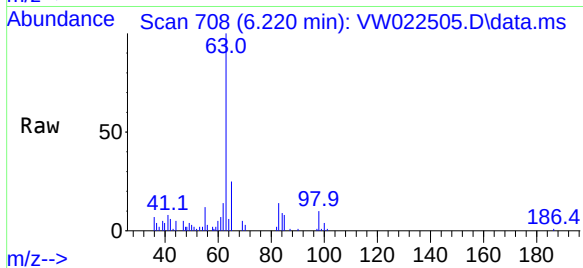
ETNR3

Tgt Ion:	63	Resp:	1537
Ion	Ratio	Lower	Upper
63	100		
65	25.0	21.1	39.3
83	13.6	10.1	18.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#20

cis-1,2-Dichloroethene

Concen: 0.701 ug/L

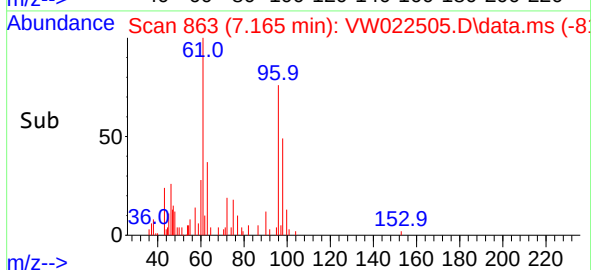
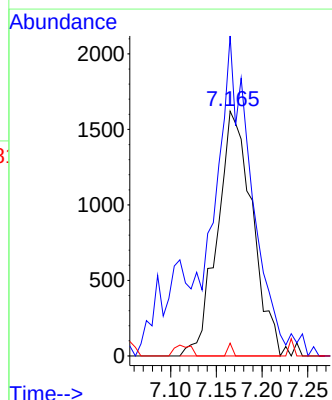
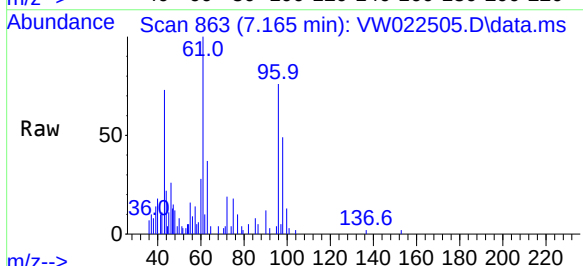
RT: 7.165 min Scan# 863

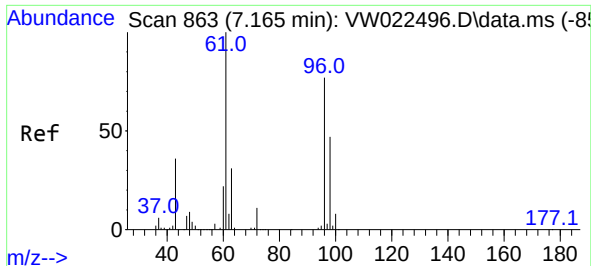
Delta R.T. -0.006 min

Lab File: VW022505.D

Acq: 12 Apr 2022 14:21

Tgt Ion:	96	Resp:	4322
Ion	Ratio	Lower	Upper
96	100		
61	130.7	96.4	179.0
68	5.2	0.1	0.3





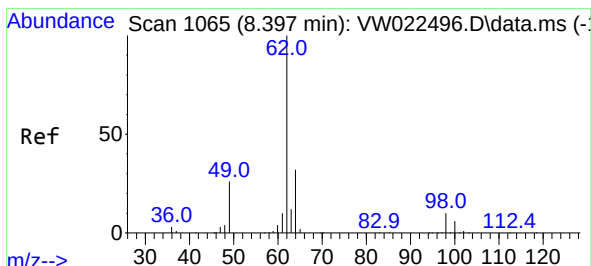
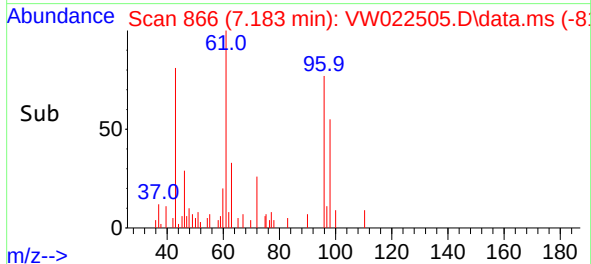
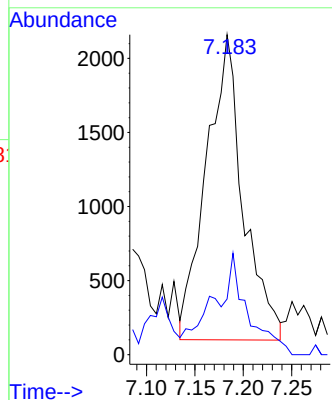
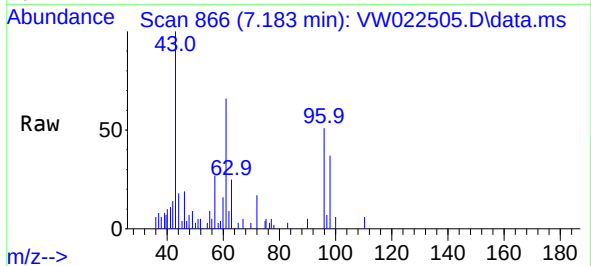
#22
2-Butanone
Concen: 3.707 ug/L
RT: 7.183 min Scan# 80
Delta R.T. 0.018 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

Instrument :
MSVOA_W
ClientSampleId :
ETNR3

Tgt Ion: 43 Resp: 544
Ion Ratio Lower Upper
43 100
72 18.6 14.0 42.0

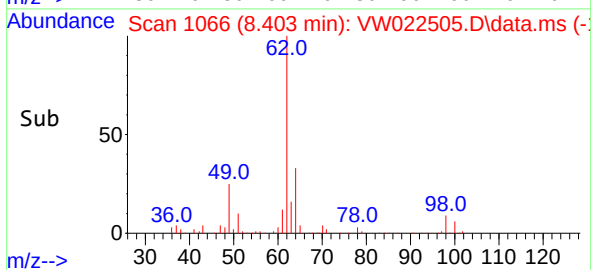
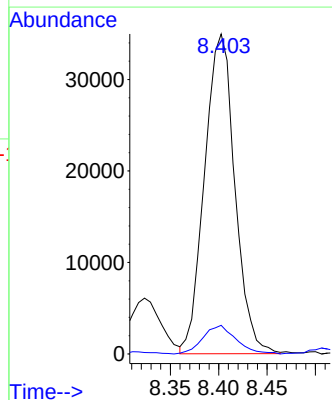
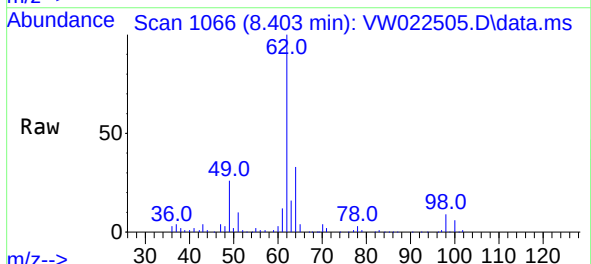
Manual Integrations
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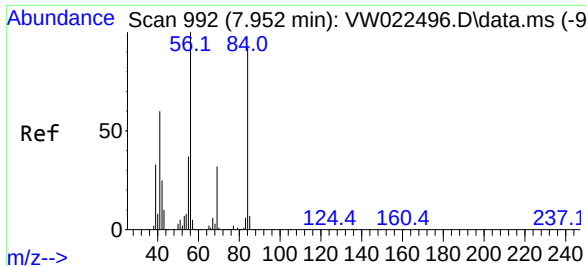
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#27
1,2-Dichloroethane
Concen: 9.667 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

Tgt Ion: 62 Resp: 76244
Ion Ratio Lower Upper
62 100
98 9.0 6.2 9.2





#29

Cyclohexane

Concen: 6.754 ug/L

RT: 7.957 min Scan# 993

Delta R.T. 0.006 min

Lab File: VW022505.D

Acq: 12 Apr 2022 14:21

Instrument :

MSVOA_W

ClientSampleId :

ETNR3

Tgt Ion: 56 Resp: 63510

Ion Ratio Lower Upper

56 100

69 31.1 24.4 36.6

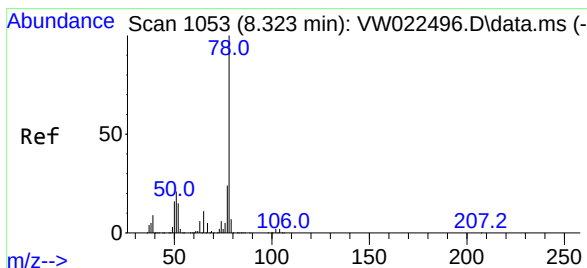
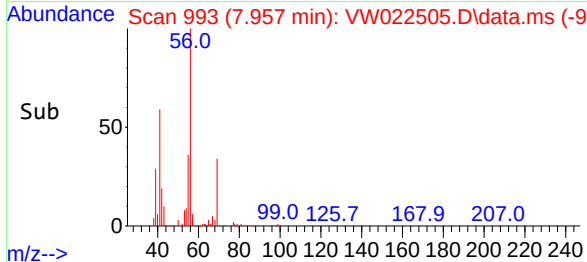
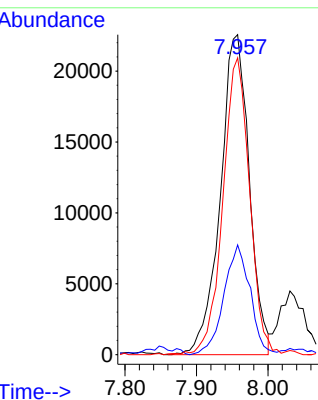
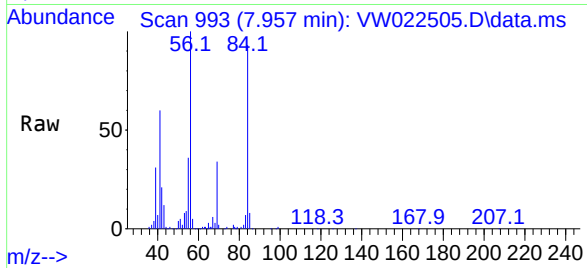
84 85.1 72.6 108.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2022

Supervised By :Mahesh Dadoda 04/14/2022



#33

Benzene

Concen: 61.654 ug/L

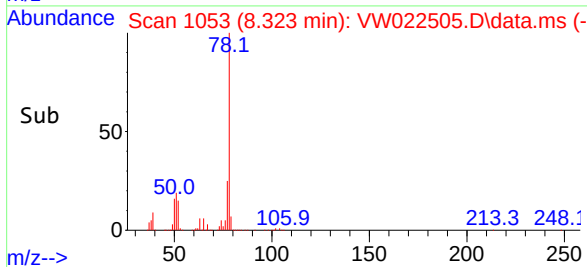
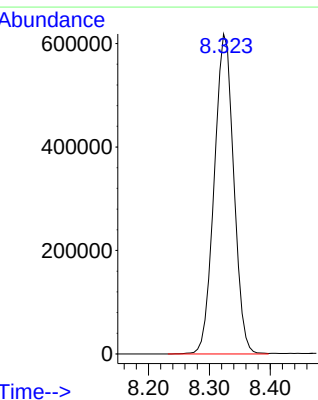
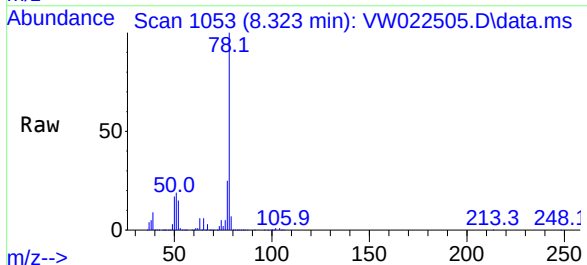
RT: 8.323 min Scan# 1053

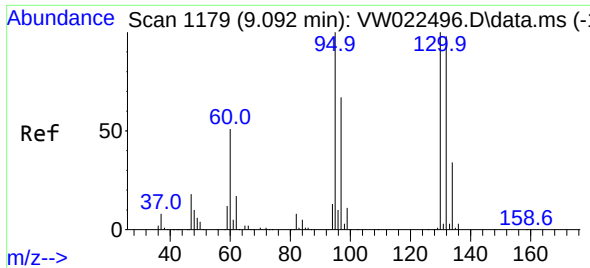
Delta R.T. -0.000 min

Lab File: VW022505.D

Acq: 12 Apr 2022 14:21

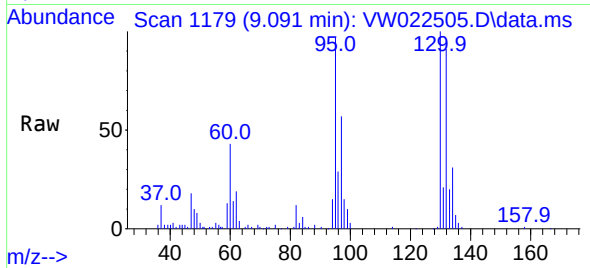
Tgt Ion: 78 Resp: 1375373





#34
Trichloroethene
Concen: 4.790 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

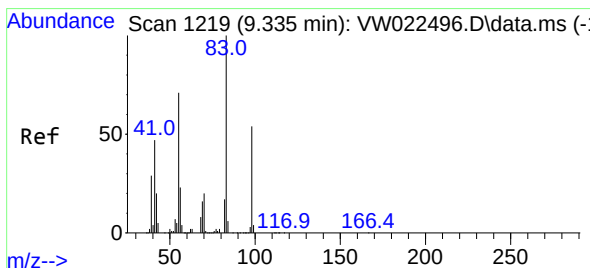
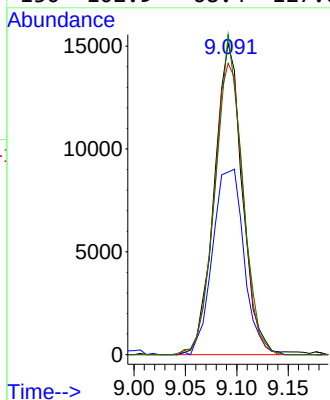
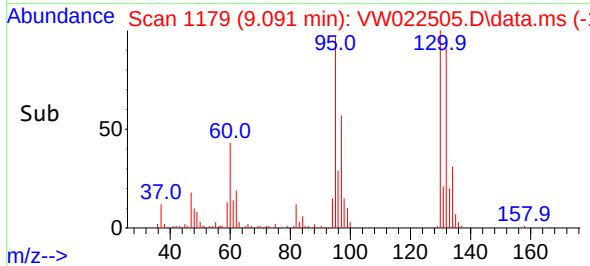
Instrument :
MSVOA_W
ClientSampleId :
ETNR3



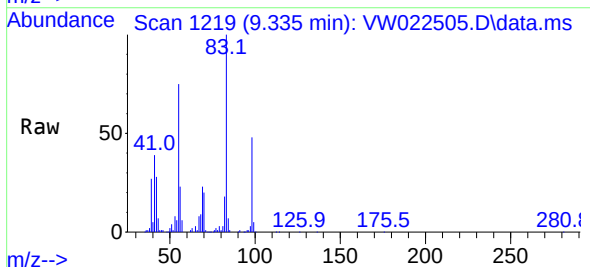
Tgt Ion: 95 Resp: 28608
Ion Ratio Lower Upper
95 100
97 58.7 46.4 86.2
132 93.7 67.4 125.2
130 102.9 68.4 127.0

Manual Integrations
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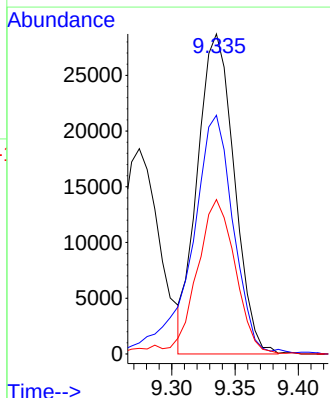
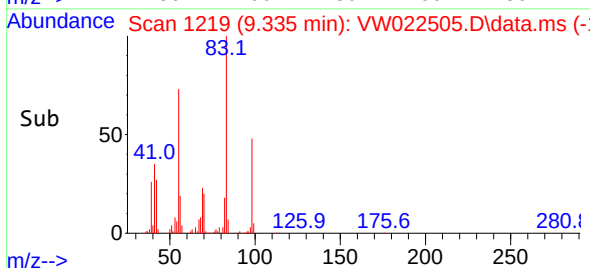
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

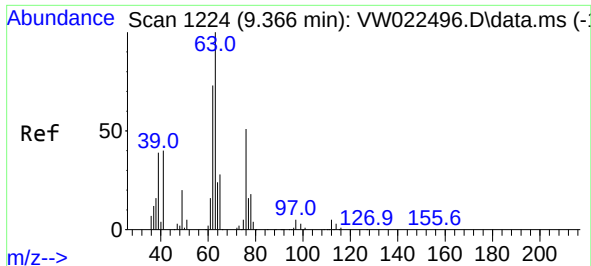


#35
Methylcyclohexane
Concen: 5.421 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21



Tgt Ion: 83 Resp: 58091
Ion Ratio Lower Upper
83 100
55 83.2 61.0 91.6
98 49.6 39.2 58.8





#37

1,2-Dichloropropane

Concen: 1.022 ug/L

RT: 9.366 min Scan# 112

Delta R.T. -0.000 min

Lab File: VW022505.D

Acq: 12 Apr 2022 14:21

Instrument :

MSVOA_W

ClientSampleId :

ETNR3

Tgt Ion: 63 Resp: 5460

Ion Ratio Lower Upper

63 100

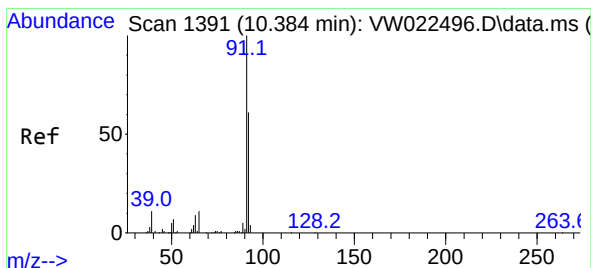
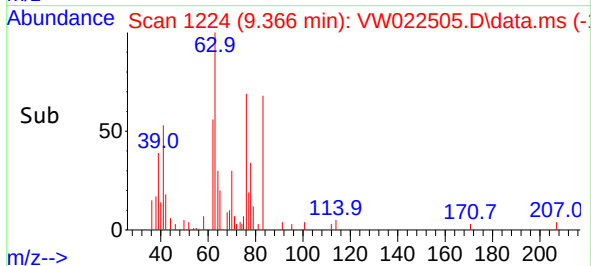
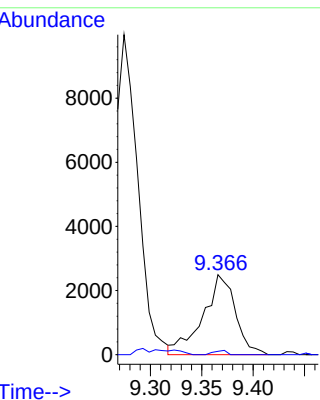
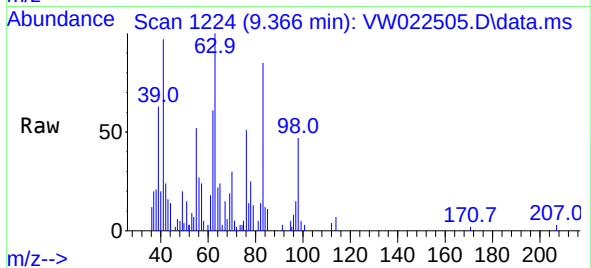
112 2.1 3.8 5.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2022

Supervised By :Mahesh Dadoda 04/14/2022



#42

Toluene

Concen: 4.991 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VW022505.D

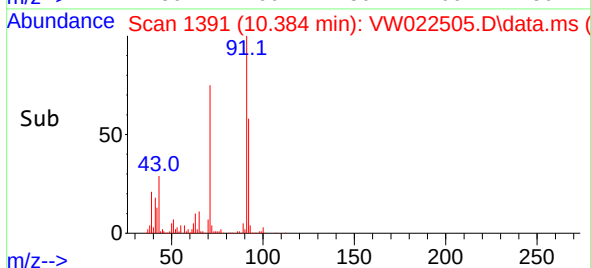
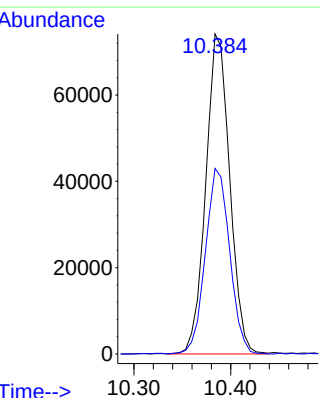
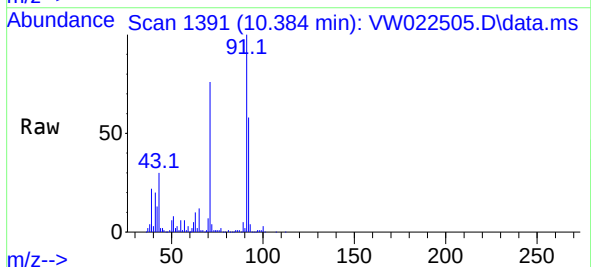
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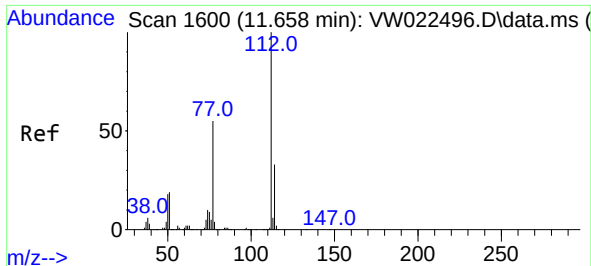
Tgt Ion: 91 Resp: 127570

Ion Ratio Lower Upper

91 100

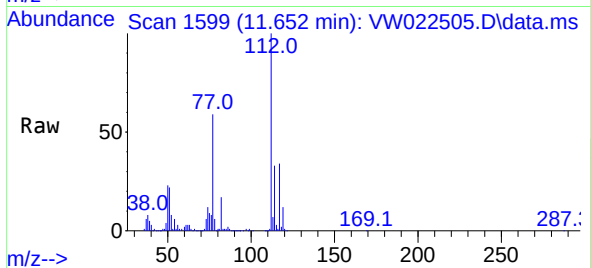
92 58.0 38.0 70.6





#51
Chlorobenzene
Concen: 9.201 ug/L
RT: 11.652 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

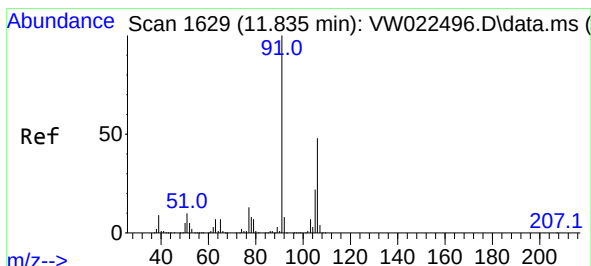
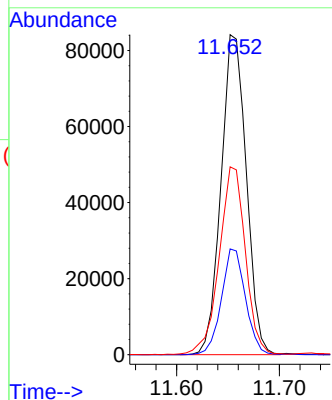
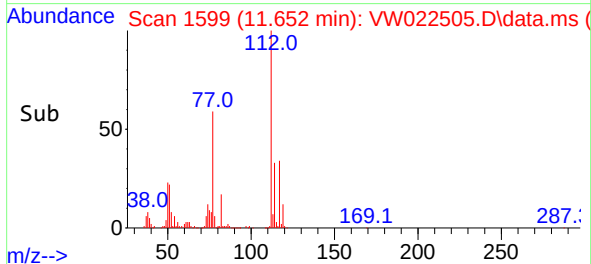
Instrument :
MSVOA_W
ClientSampleId :
ETNR3



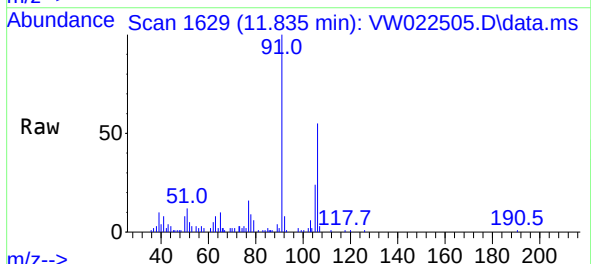
Tgt Ion:112 Resp: 143738
Ion Ratio Lower Upper
112 100
114 33.0 20.5 38.1
77 58.7 48.1 72.1

Manual Integrations
APPROVED

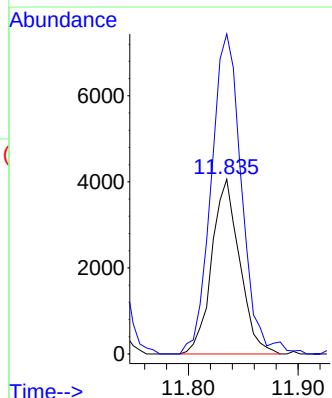
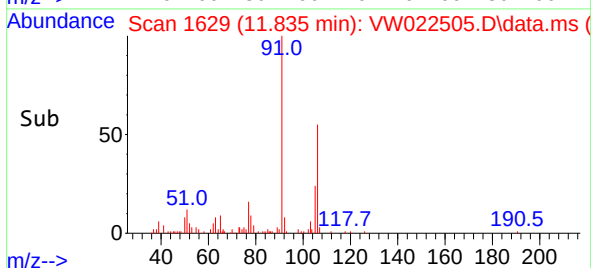
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

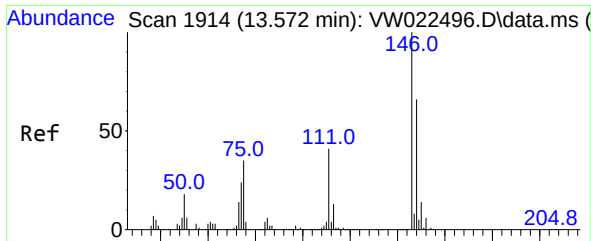


#53
m,p-Xylene
Concen: 0.659 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21



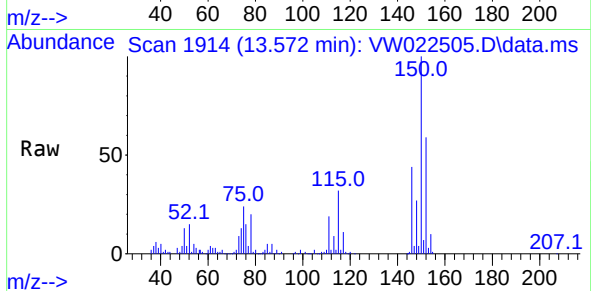
Tgt Ion:106 Resp: 7181
Ion Ratio Lower Upper
106 100
91 183.2 149.9 278.5





#65
1,4-Dichlorobenzene
Concen: 3.316 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

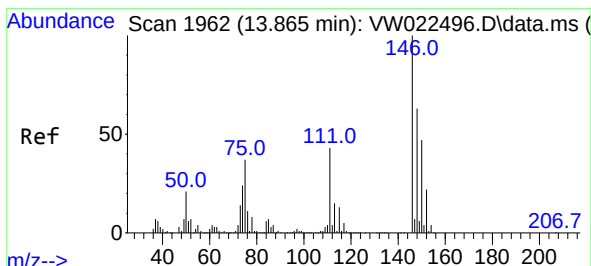
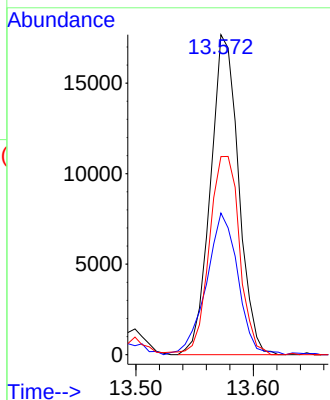
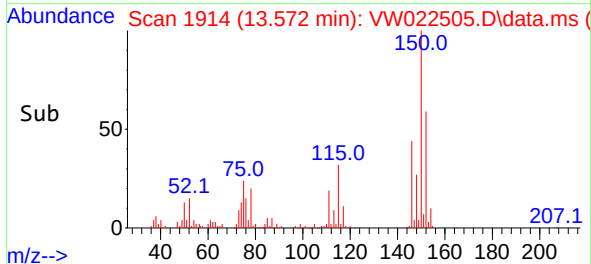
Instrument :
MSVOA_W
ClientSampleId :
ETNR3



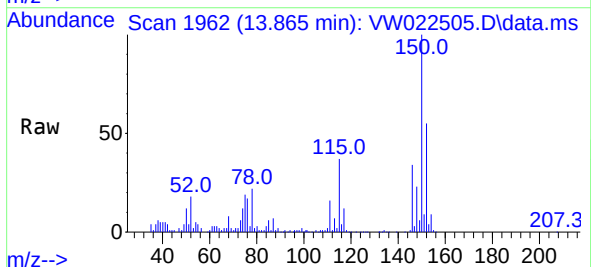
Tgt Ion:146 Resp: 29370
Ion Ratio Lower Upper
146 100
111 44.2 28.5 52.9
148 61.9 44.4 82.4

Manual Integrations
APPROVED

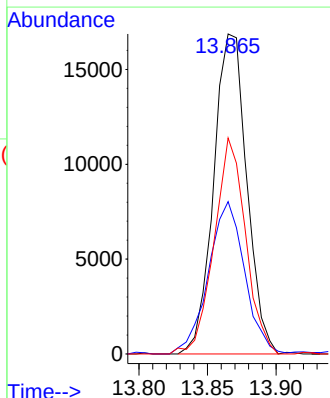
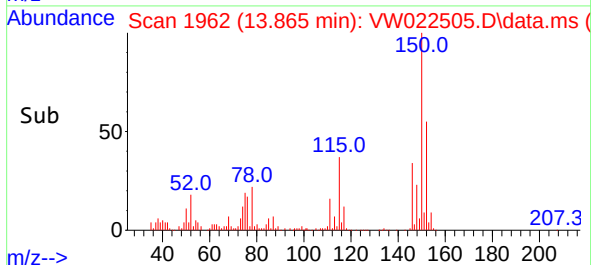
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

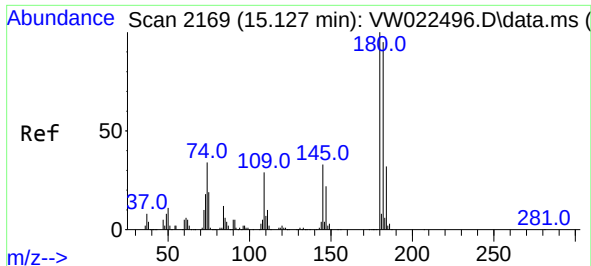


#67
1,2-Dichlorobenzene
Concen: 3.579 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.000 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21



Tgt Ion:146 Resp: 28428
Ion Ratio Lower Upper
146 100
111 47.6 39.0 58.4
148 67.5 52.1 78.1





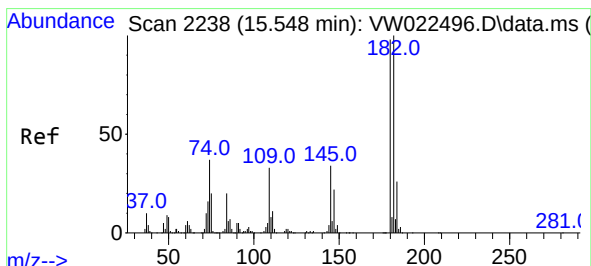
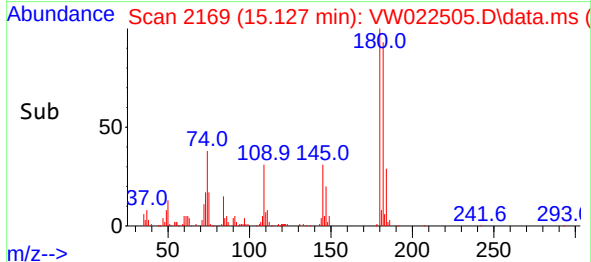
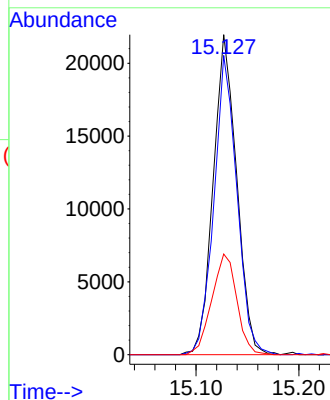
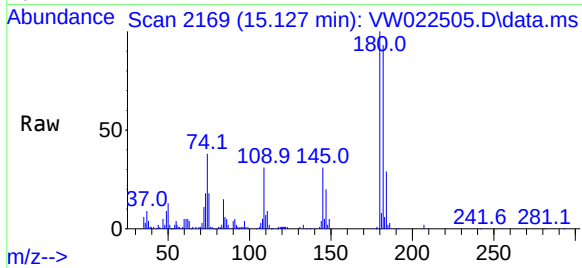
#70
1,2,4-trichlorobenzene
Concen: 7.133 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

Instrument :
MSVOA_W
ClientSampleId :
ETNR3

Tgt Ion:180 Resp: 3472
Ion Ratio Lower Upper
180 100
182 91.7 72.8 109.2
145 33.6 25.5 38.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#72
1,2,3-Trichlorobenzene
Concen: 4.085 ug/L
RT: 15.548 min Scan# 2238
Delta R.T. -0.000 min
Lab File: VW022505.D
Acq: 12 Apr 2022 14:21

Tgt Ion:180 Resp: 16995
Ion Ratio Lower Upper
180 100
182 95.2 73.4 110.0
145 39.9 27.0 40.6

