

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
 Data File : VW020805.D
 Acq On : 08 Nov 2021 12:54
 Operator : SY/VA
 Sample : M4464-10
 Misc : 3.25g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB7K8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021

Quant Time: Nov 15 01:02:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Nov 15 00:29:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	187883	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	168813	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	72896	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	53132	30.077	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 120.320%			
7) Chloroethane-d5	2.879	69	30473	30.295	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 121.200%			
11) 1,1-Dichloroethene-d2	4.025	63	114118	30.777	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 123.120%#			
21) 2-Butanone-d5	7.086	46	28354	48.331	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery = 96.660%			
24) Chloroform-d	7.647	84	100471	24.067	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 96.280%			
26) 1,2-Dichloroethane-d4	8.305	65	54154	24.367	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.480%			
32) Benzene-d6	8.275	84	204397	26.799	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 107.200%			
36) 1,2-Dichloropropane-d6	9.275	67	60869	25.777	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 103.120%			
41) Toluene-d8	10.323	98	206319	27.805	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 111.200%			
43) trans-1,3-Dichloroprop...	10.579	79	30330	25.896	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 103.600%			
47) 2-Hexanone-d5	10.921	63	24022	50.277	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 100.560%			
56) 1,1,2,2-Tetrachloroeth...	12.689	84	45777	23.391	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 93.560%			
66) 1,2-Dichlorobenzene-d4	13.853	152	60627	26.465	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 105.840%			
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.008	85	980m	1.279	ug/L	
5) Vinyl chloride	2.355	62	6631	2.293	ug/L #	41
10) 1,1,2-Trichloro-1,2,2-...	4.050	101	16435	6.516	ug/L #	82
12) 1,1-Dichloroethene	4.044	96	95325	39.657	ug/L #	70
13) Acetone	4.117	43	41019	75.130	ug/L	92
14) Carbon disulfide	4.385	76	14422	1.988	ug/L #	94
17) trans-1,2-Dichloroethene	5.422	96	30857	12.076	ug/L	89
19) 1,1-Dichloroethane	6.214	63	1248039	282.023	ug/L	99
20) cis-1,2-Dichloroethene	7.165	96	9014379	3346.734	ug/L #	63
27) 1,2-Dichloroethane	8.403	62	7132	2.391	ug/L #	91
29) Cyclohexane	7.952	56	2770	0.629	ug/L	95
30) 1,1,1-Trichloroethane	7.872	97	139242	34.709	ug/L	95
33) Benzene	8.323	78	63374	6.268	ug/L	100
34) Trichloroethene	9.092	95	205529	76.372	ug/L	95
35) Methylcyclohexane	9.329	83	2893	0.616	ug/L	97
40) 4-Methyl-2-pentanone	10.213	43	36990	23.645	ug/L #	94
42) Toluene	10.390	91	17630981	1621.711	ug/L	88
45) 1,1,2-Trichloroethane	10.786	97	1337	0.753	ug/L	89
46) Tetrachloroethene	10.866	164	5980	2.477	ug/L	96

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
 Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	11.731	91	35438	2.909	ug/L	100
53) m,p-Xylene	11.835	106	39810	8.157	ug/L	97
54) o-Xylene	12.164	106	14293	3.092	ug/L	94
62) 1,3,5-Trimethylbenzene	12.938	105	4412	0.511	ug/L	93
63) 1,2,4-Trimethylbenzene	13.249	105	26702m	3.113	ug/L	
67) 1,2-Dichlorobenzene	13.865	146	3387	0.823	ug/L	94

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

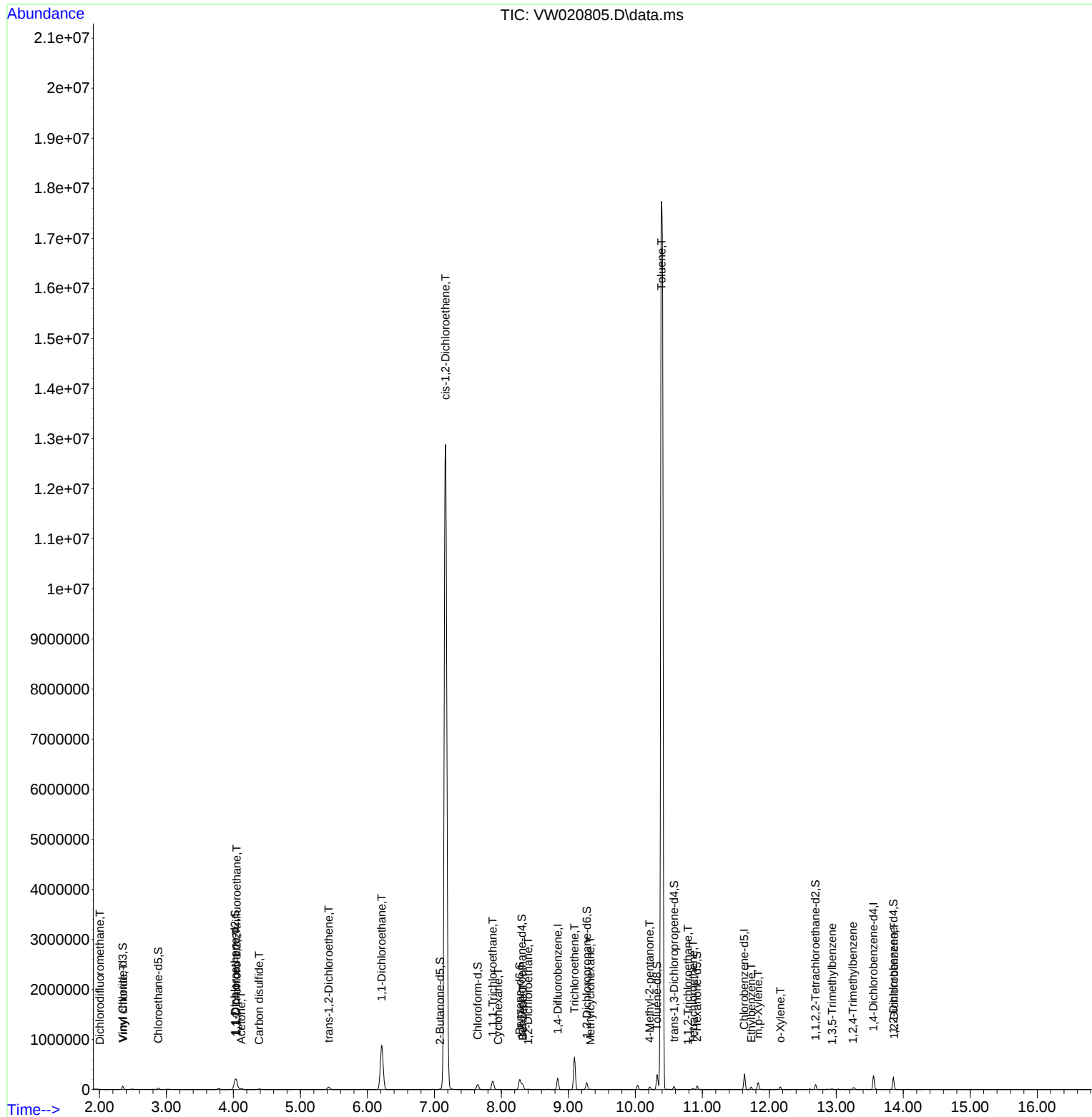
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
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Operator : SY/VA
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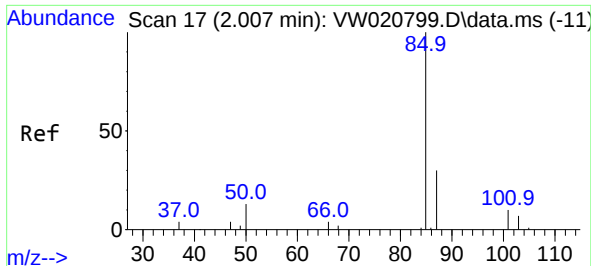
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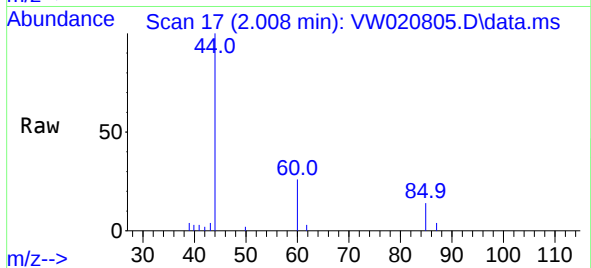
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Nov 15 00:29:21 2021
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#2
Dichlorodifluoromethane
Concen: 1.279 ug/L m
RT: 2.008 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020805.D
Acq: 08 Nov 2021 12:54

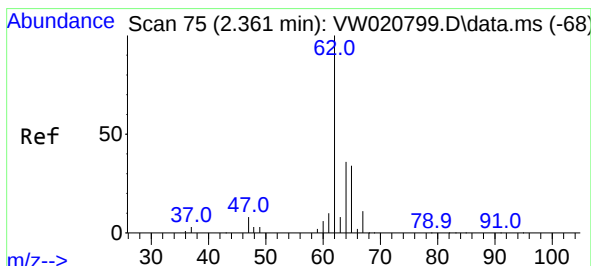
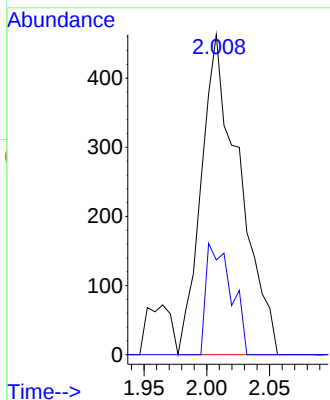
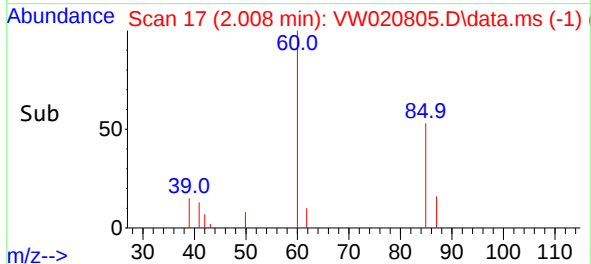
Instrument :
MSVOA_W
ClientSampleId :
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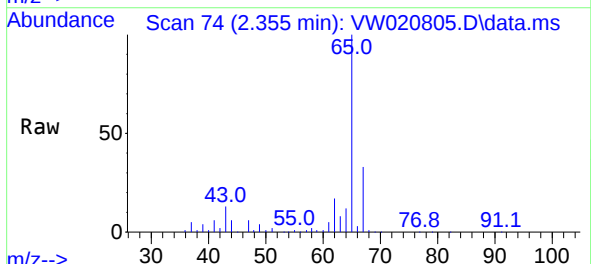
Tgt Ion: 85 Resp: 980
Ion Ratio Lower Upper
85 100
87 22.8 25.8 38.6

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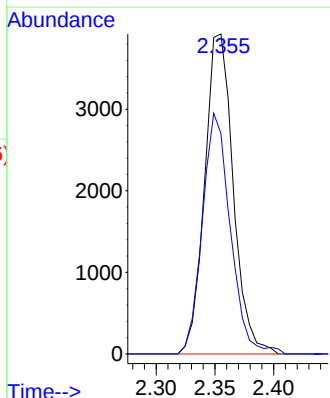
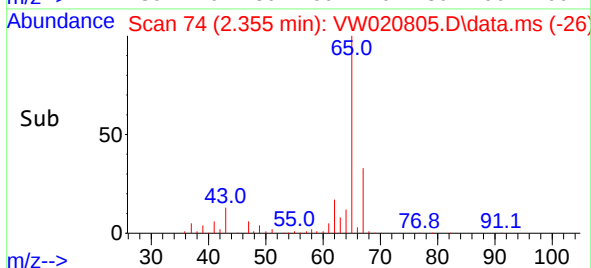
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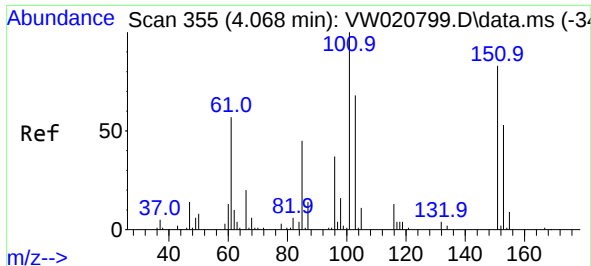


#5
Vinyl chloride
Concen: 2.293 ug/L
RT: 2.355 min Scan# 74
Delta R.T. -0.006 min
Lab File: VW020805.D
Acq: 08 Nov 2021 12:54



Tgt Ion: 62 Resp: 6631
Ion Ratio Lower Upper
62 100
64 68.9 24.4 45.2#





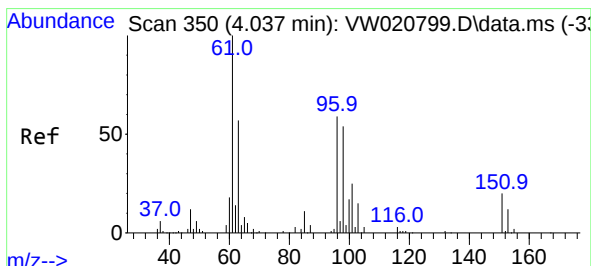
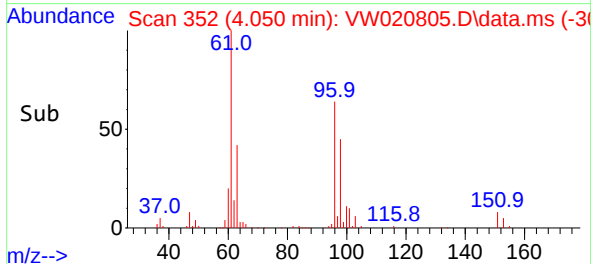
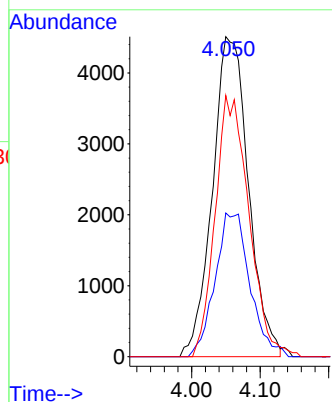
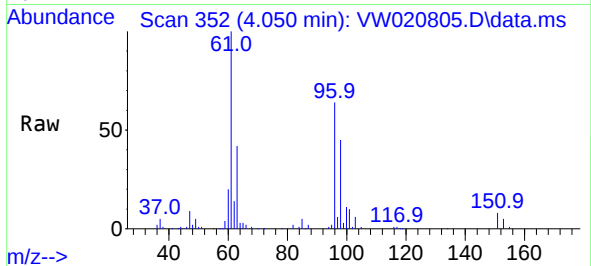
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 6.516 ug/L
RT: 4.050 min Scan# 310
Delta R.T. -0.018 min
Lab File: VW020805.D
Acq: 08 Nov 2021 12:54

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion:101 Resp: 16435
Ion Ratio Lower Upper
101 100
85 20.9 36.6 54.8
151 76.7 57.4 86.0

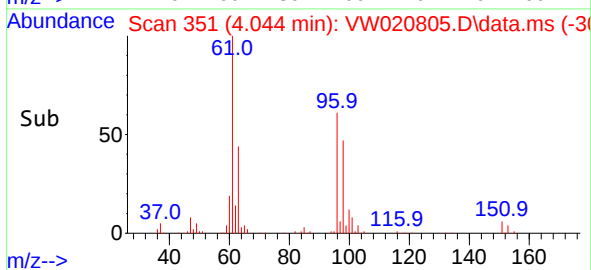
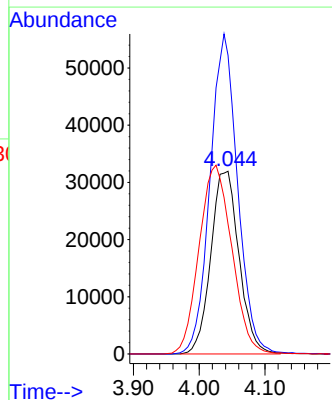
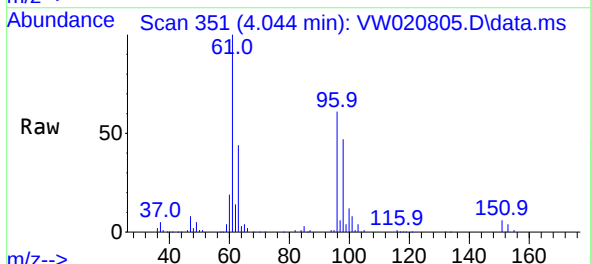
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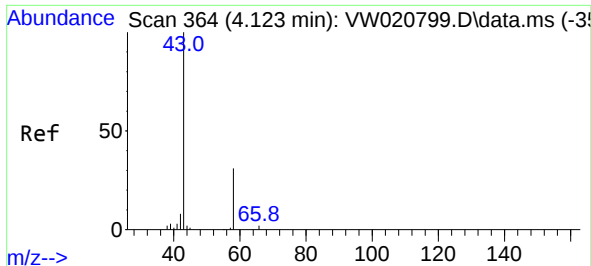
Reviewed By :Semsettin Yesilyurt 11/15/2021
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#12
1,1-Dichloroethene
Concen: 39.657 ug/L
RT: 4.044 min Scan# 351
Delta R.T. 0.006 min
Lab File: VW020805.D
Acq: 08 Nov 2021 12:54

Tgt Ion: 96 Resp: 95325
Ion Ratio Lower Upper
96 100
61 163.4 138.3 256.9
63 71.1 82.6 153.4





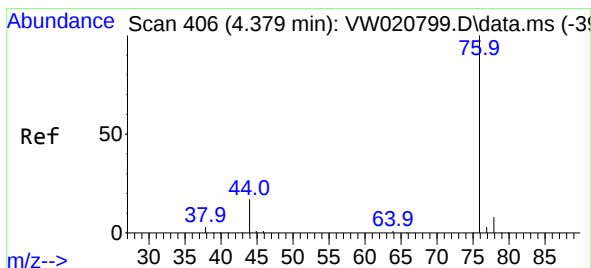
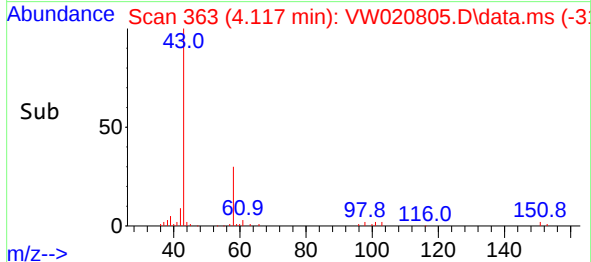
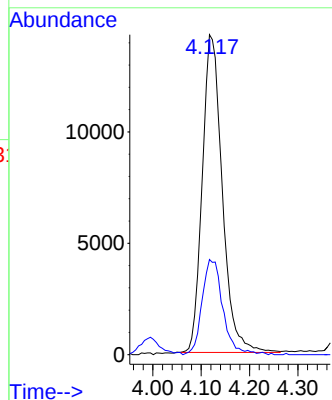
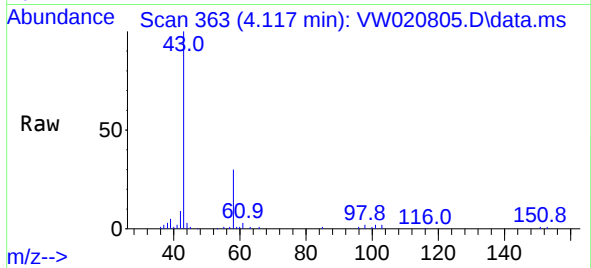
#13
Acetone
Concen: 75.130 ug/L
RT: 4.117 min Scan# 30
Delta R.T. -0.006 min
Lab File: VW020805.D
Acq: 08 Nov 2021 12:54

Instrument :
MSVOA_W
ClientSampleId :
GB7K8

Tgt Ion: 43 Resp: 41019
Ion Ratio Lower Upper
43 100
58 30.4 0.0 52.8

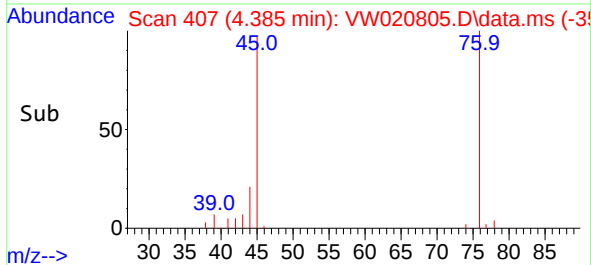
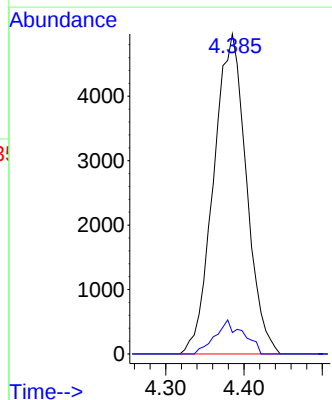
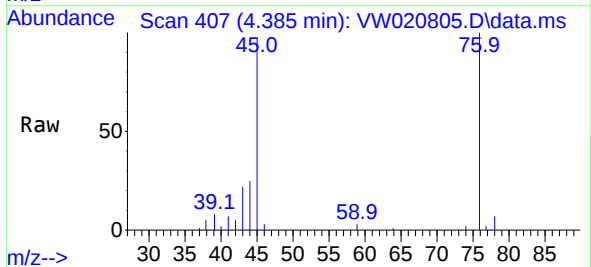
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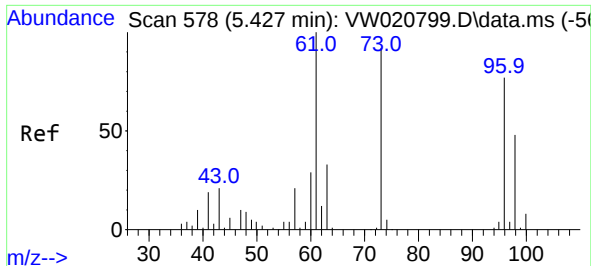
Reviewed By :Semsettin Yesilyurt 11/15/2021
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#14
Carbon disulfide
Concen: 1.988 ug/L
RT: 4.385 min Scan# 407
Delta R.T. 0.006 min
Lab File: VW020805.D
Acq: 08 Nov 2021 12:54

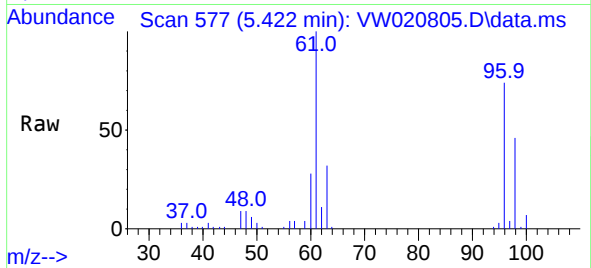
Tgt Ion: 76 Resp: 14422
Ion Ratio Lower Upper
76 100
78 6.7 7.1 10.7#





#17
trans-1,2-Dichloroethene
Concen: 12.076 ug/L
RT: 5.422 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW020805.D
Acq: 08 Nov 2021 12:54

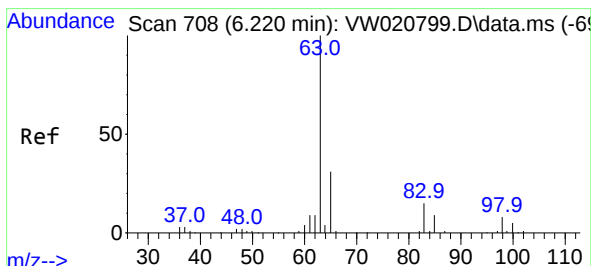
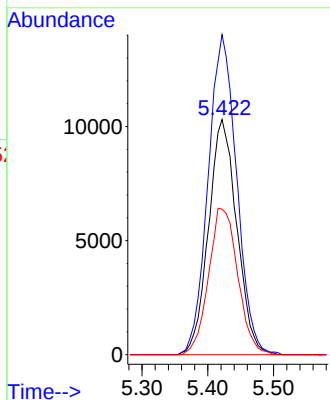
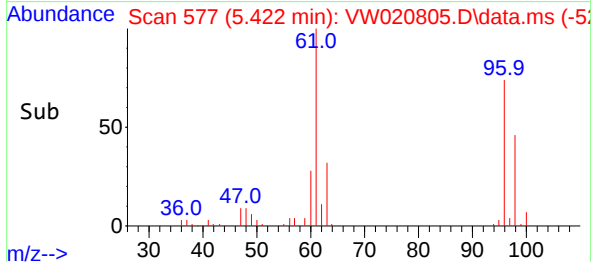
Instrument :
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ClientSampleId :
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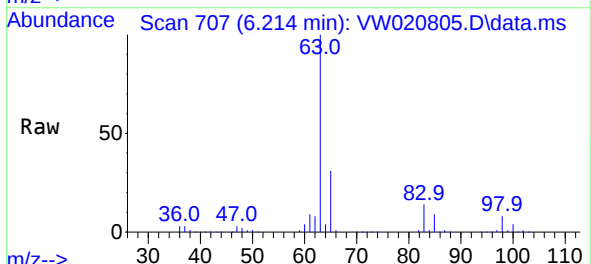
Tgt Ion: 96 Resp: 3085
Ion Ratio Lower Upper
96 100
61 136.0 107.4 199.4
98 61.9 41.2 76.6

Manual Integrations
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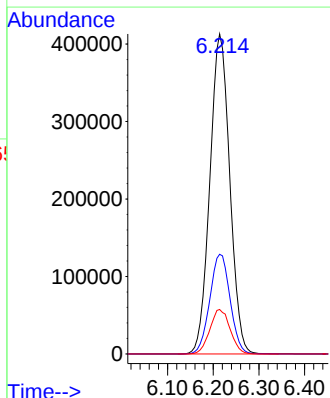
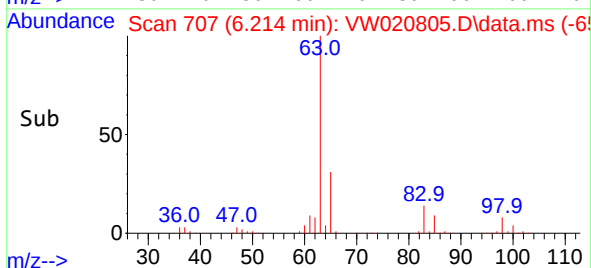
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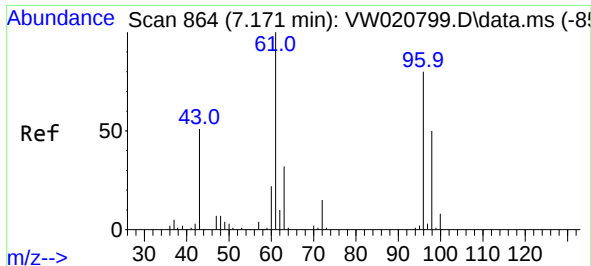


#19
1,1-Dichloroethane
Concen: 282.023 ug/L
RT: 6.214 min Scan# 707
Delta R.T. -0.006 min
Lab File: VW020805.D
Acq: 08 Nov 2021 12:54



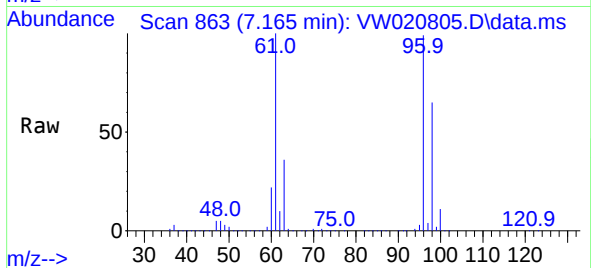
Tgt Ion: 63 Resp: 1248039
Ion Ratio Lower Upper
63 100
65 31.1 22.1 41.1
83 13.9 9.2 17.2





#20
cis-1,2-Dichloroethene
Concen: 3346.734 ug/L
RT: 7.165 min Scan# 864
Delta R.T. -0.006 min
Lab File: VW020805.D
Acq: 08 Nov 2021 12:54

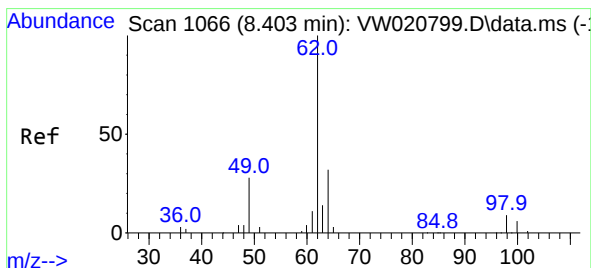
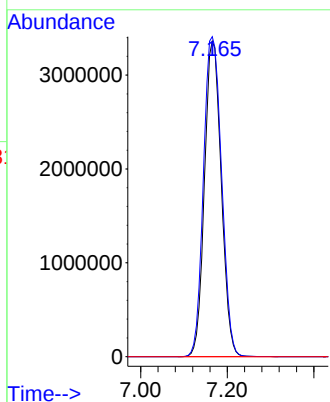
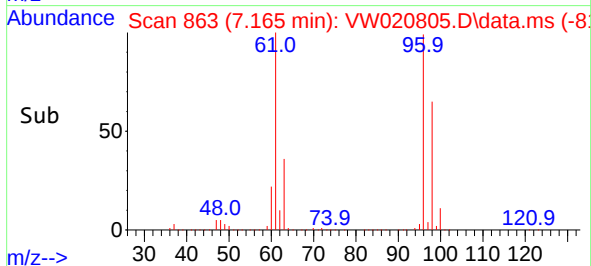
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Tgt Ion: 96 Resp: 9014379
Ion Ratio Lower Upper
96 100
61 101.4 103.7 192.7
68 0.0 0.0 0.0

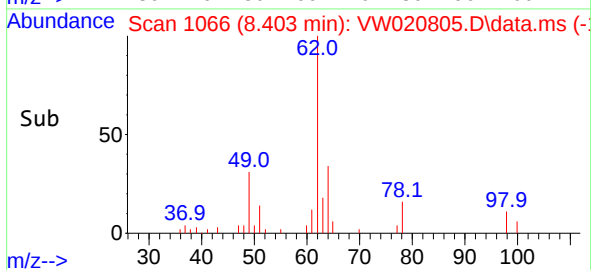
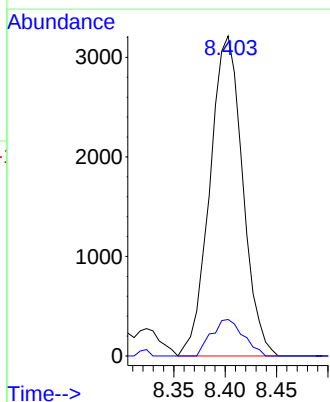
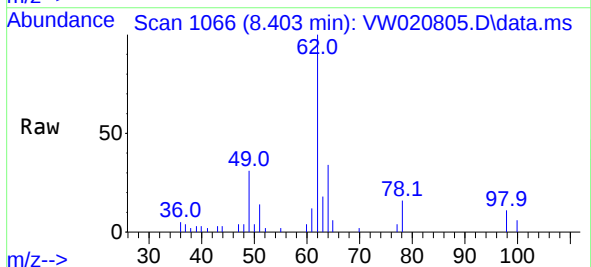
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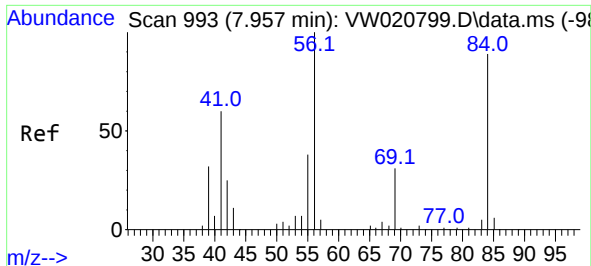
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#27
1,2-Dichloroethane
Concen: 2.391 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VW020805.D
Acq: 08 Nov 2021 12:54

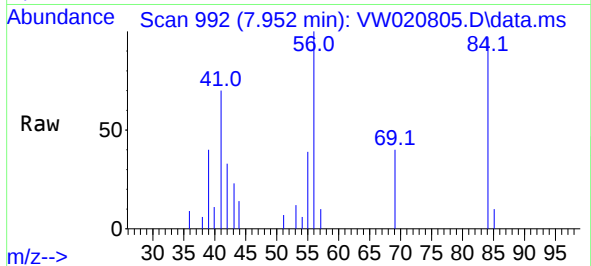
Tgt Ion: 62 Resp: 7132
Ion Ratio Lower Upper
62 100
98 11.4 6.5 9.7#





#29
Cyclohexane
Concen: 0.629 ug/L
RT: 7.952 min Scan# 993
Delta R.T. -0.006 min
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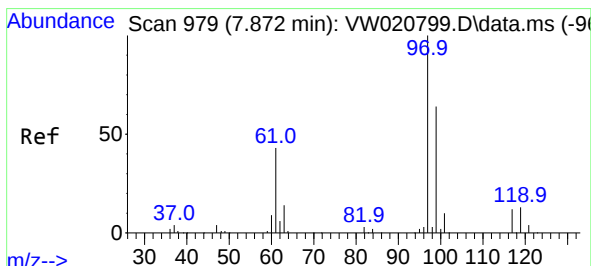
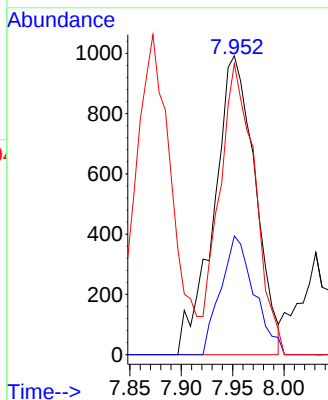
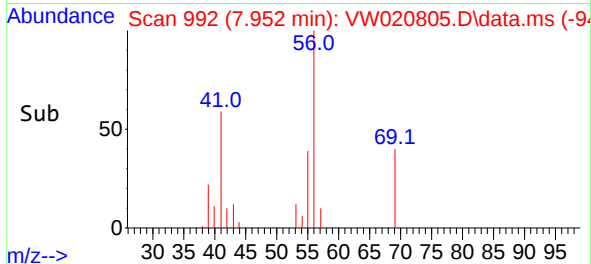
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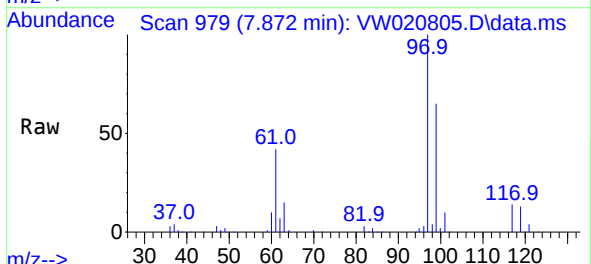
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Ion Ratio Lower Upper
56 100
69 32.4 23.5 35.3
84 83.4 63.4 95.2

Manual Integrations
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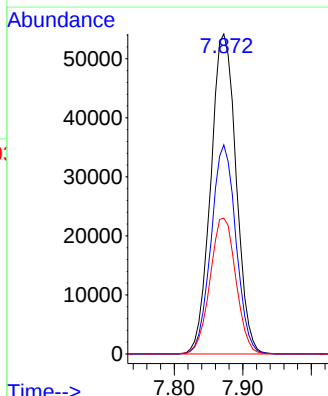
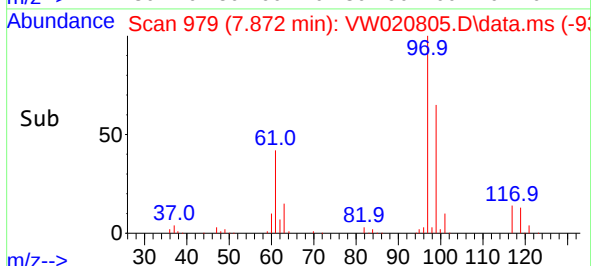
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

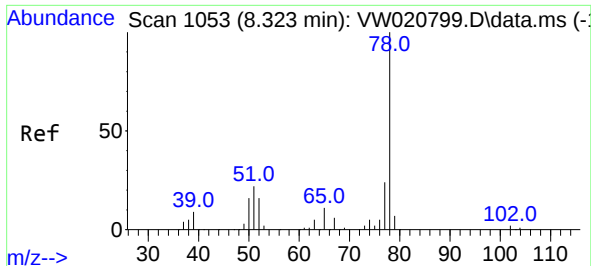


#30
1,1,1-Trichloroethane
Concen: 34.709 ug/L
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW020805.D
Acq: 08 Nov 2021 12:54



Tgt Ion: 97 Resp: 139242
Ion Ratio Lower Upper
97 100
99 64.0 51.6 77.4
61 43.2 40.9 61.3





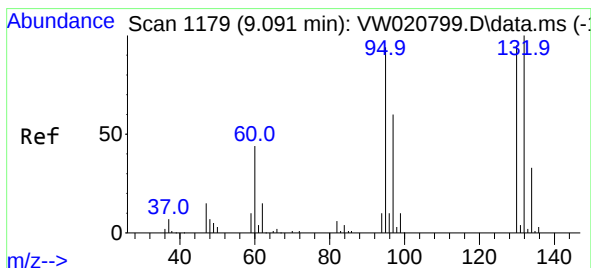
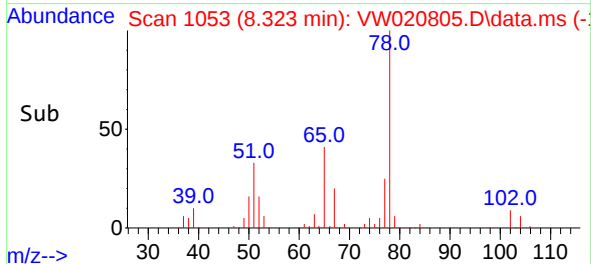
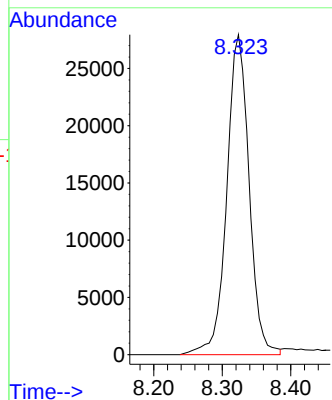
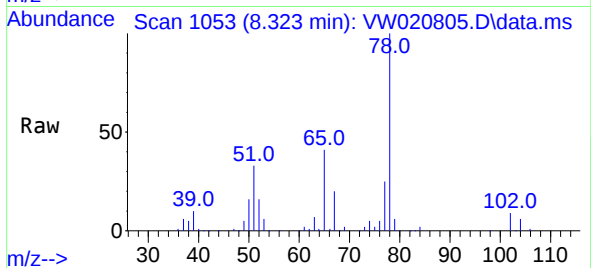
#33
Benzene
Concen: 6.268 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW020805.D
Acq: 08 Nov 2021 12:54

Instrument :
MSVOA_W
ClientSampleId :
GB7K8

Tgt Ion: 78 Resp: 63374

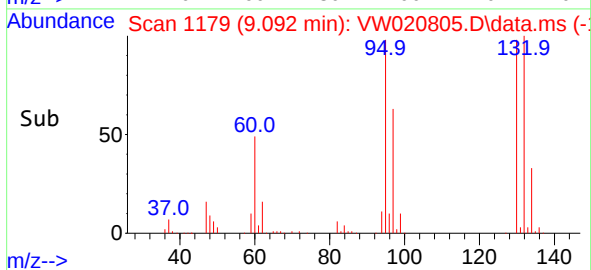
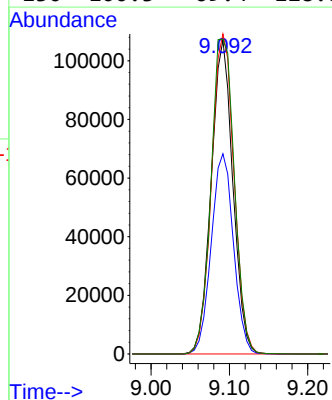
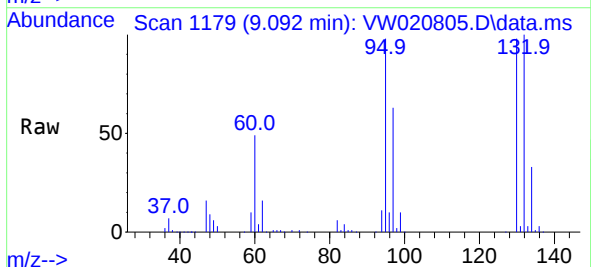
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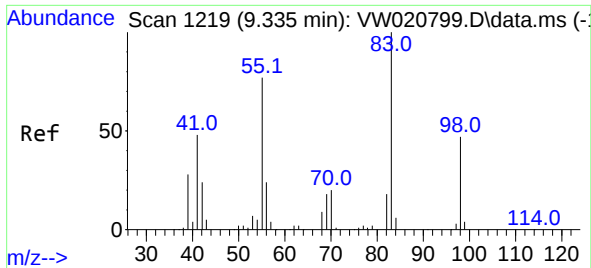
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#34
Trichloroethene
Concen: 76.372 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW020805.D
Acq: 08 Nov 2021 12:54

Tgt Ion: 95 Resp: 205529
Ion Ratio Lower Upper
95 100
97 63.8 47.0 87.2
132 102.0 65.5 121.6
130 100.3 69.4 128.8





#35

Methylcyclohexane

Concen: 0.616 ug/L

RT: 9.329 min Scan# 1219

Delta R.T. -0.006 min

Lab File: VW020805.D

Acq: 08 Nov 2021 12:54

Instrument :

MSVOA_W

ClientSampleId :

GB7K8

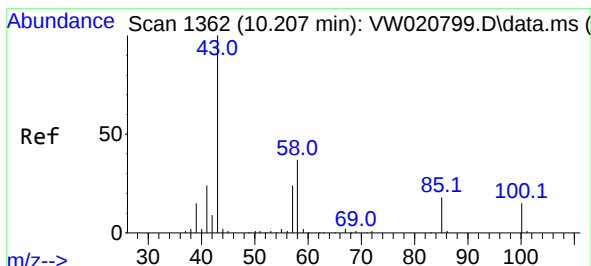
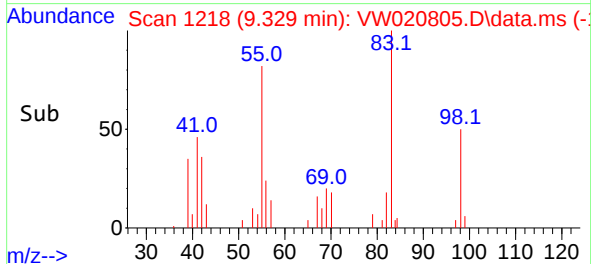
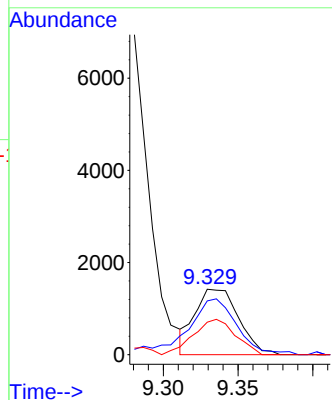
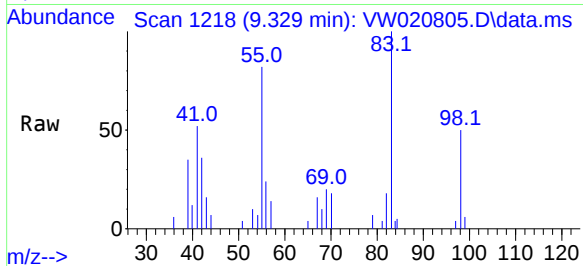
Tgt Ion: 83 Resp: 289

Ion	Ratio	Lower	Upper
83	100		
55	89.1	70.8	106.2
98	52.1	37.7	56.5

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Supervised By :Mahesh Dadoda 11/17/2021



#40

4-Methyl-2-pentanone

Concen: 23.645 ug/L

RT: 10.213 min Scan# 1363

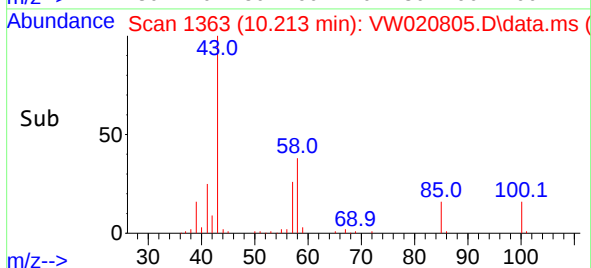
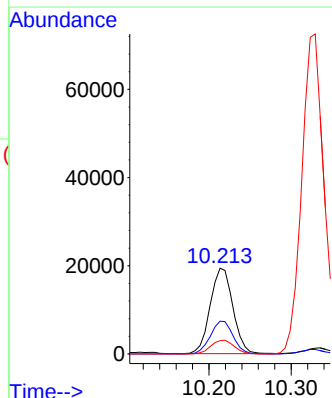
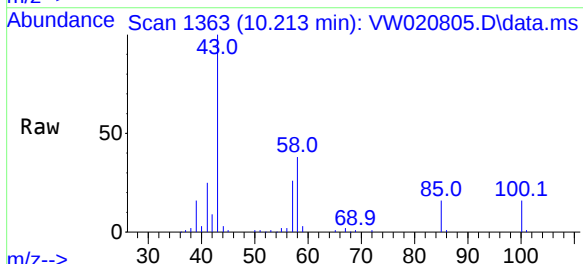
Delta R.T. 0.006 min

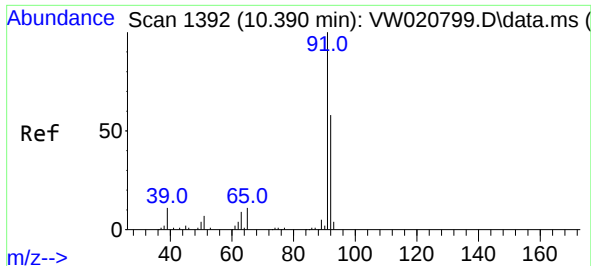
Lab File: VW020805.D

Acq: 08 Nov 2021 12:54

Tgt Ion: 43 Resp: 36990

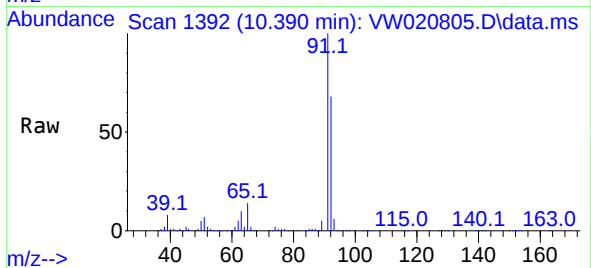
Ion	Ratio	Lower	Upper
43	100		
58	38.7	28.8	43.2
100	16.7	10.0	15.0





#42
Toluene
Concen: 1621.711 ug/L
RT: 10.390 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020805.D
Acq: 08 Nov 2021 12:54

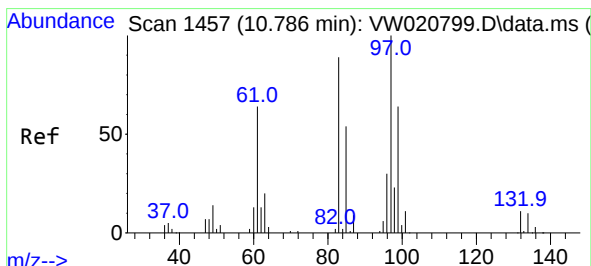
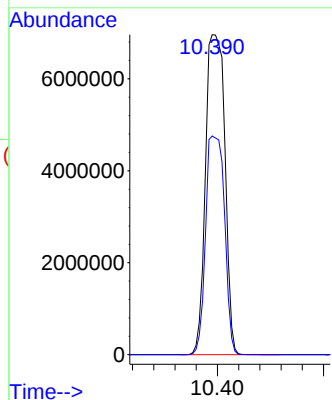
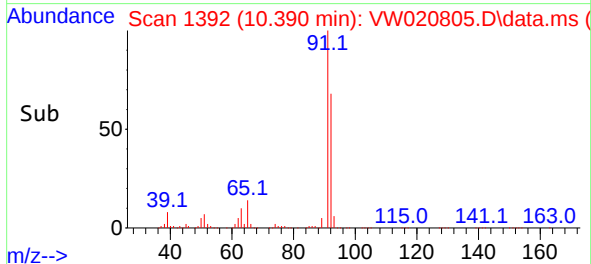
Instrument :
MSVOA_W
ClientSampleId :
GB7K8



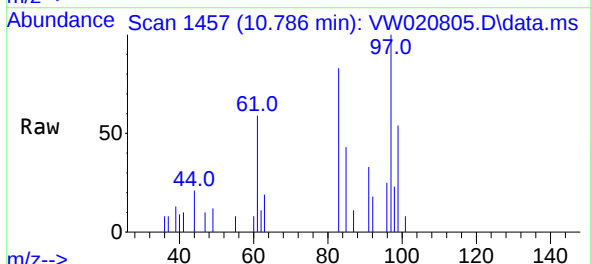
Tgt Ion: 91 Resp:1763098
Ion Ratio Lower Upper
91 100
92 68.4 41.7 77.5

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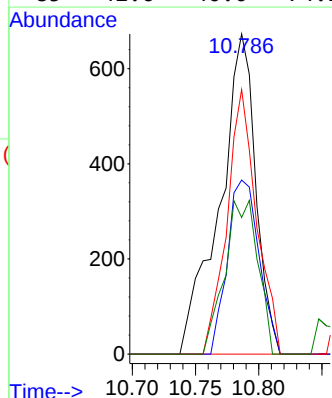
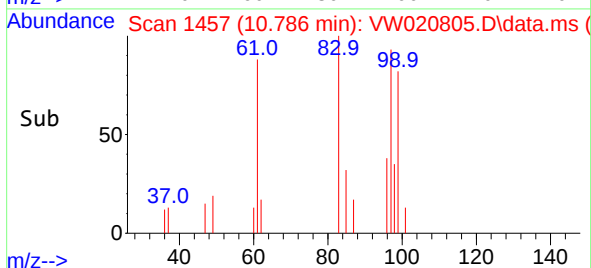
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

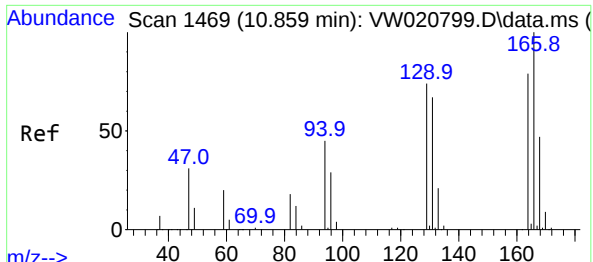


#45
1,1,2-Trichloroethane
Concen: 0.753 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW020805.D
Acq: 08 Nov 2021 12:54



Tgt Ion: 97 Resp: 1337
Ion Ratio Lower Upper
97 100
99 54.4 43.0 79.8
83 82.6 62.6 116.3
85 42.6 40.0 74.2





#46

Tetrachloroethene

Concen: 2.477 ug/L

RT: 10.866 min Scan# 1469

Delta R.T. 0.006 min

Lab File: VW020805.D

Acq: 08 Nov 2021 12:54

Instrument :

MSVOA_W

ClientSampleId :

GB7K8

Tgt Ion:164 Resp: 5980

Ion Ratio Lower Upper

164 100

129 88.8 65.5 121.7

131 79.7 59.7 110.9

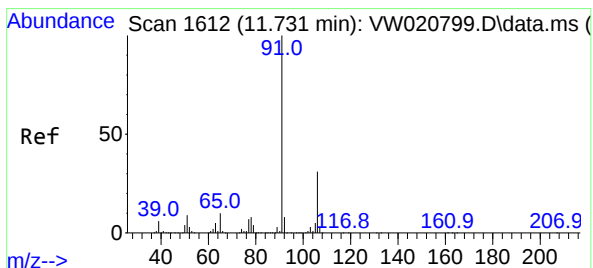
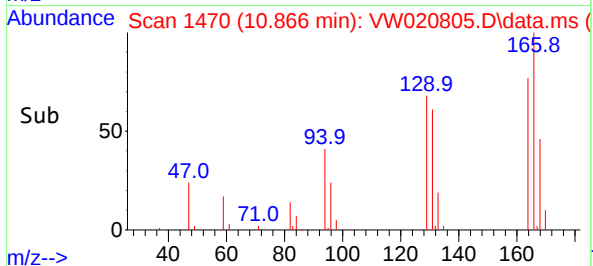
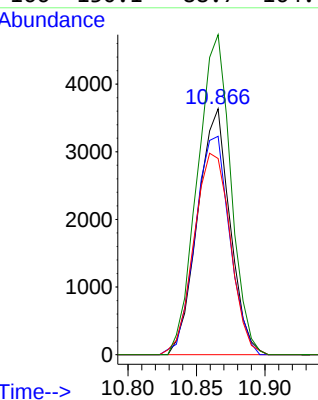
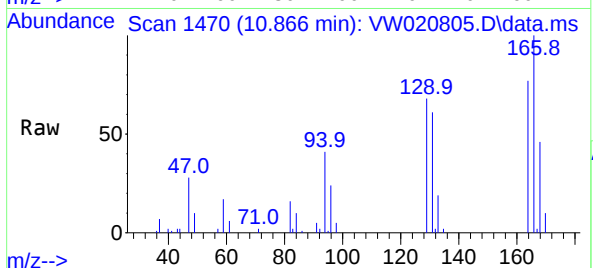
166 130.1 88.7 164.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/15/2021

Supervised By :Mahesh Dadoda 11/17/2021



#52

Ethylbenzene

Concen: 2.909 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. 0.000 min

Lab File: VW020805.D

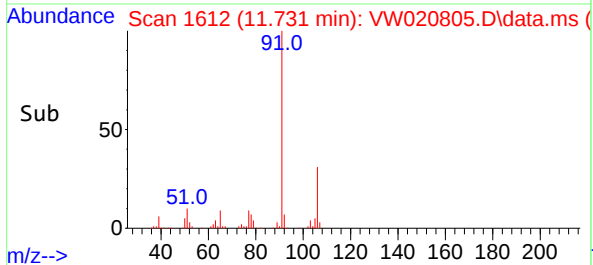
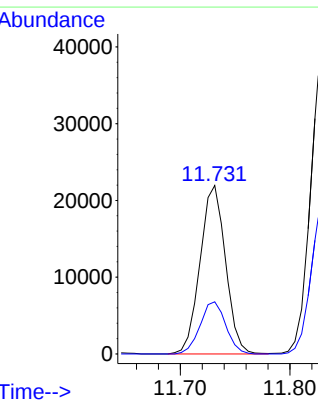
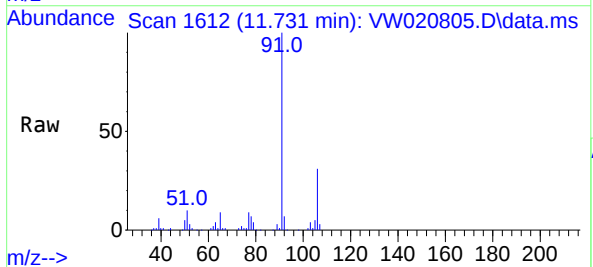
Acq: 08 Nov 2021 12:54

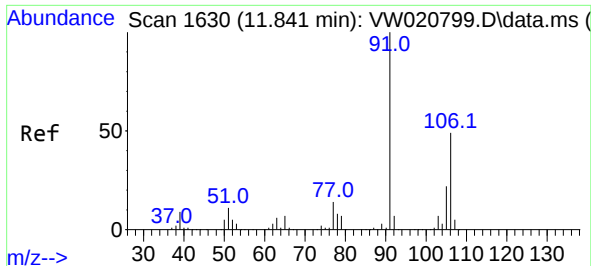
Tgt Ion: 91 Resp: 35438

Ion Ratio Lower Upper

91 100

106 30.9 21.5 39.9





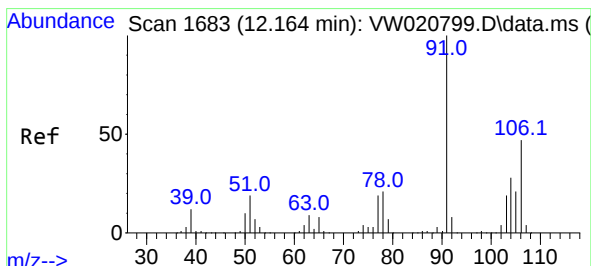
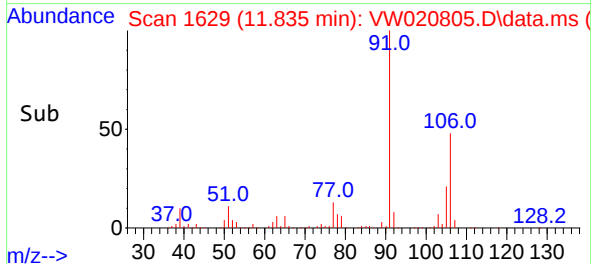
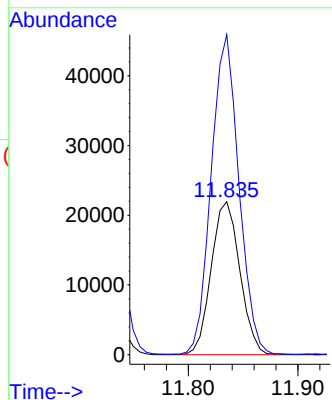
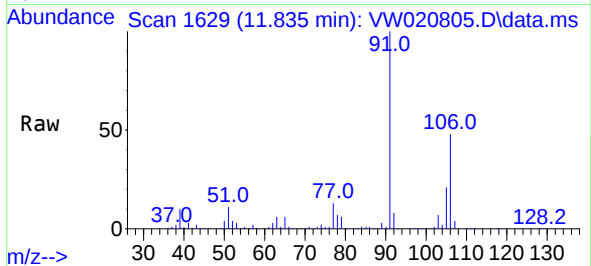
#53
m,p-Xylene
Concen: 8.157 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW020805.D
Acq: 08 Nov 2021 12:54

Instrument :
MSVOA_W
ClientSampleId :
GB7K8

Tgt Ion:106 Resp: 39810
Ion Ratio Lower Upper
106 100
91 209.2 149.9 278.3

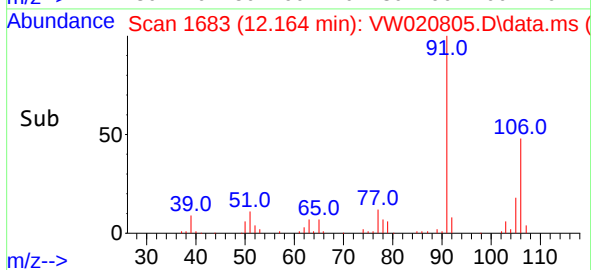
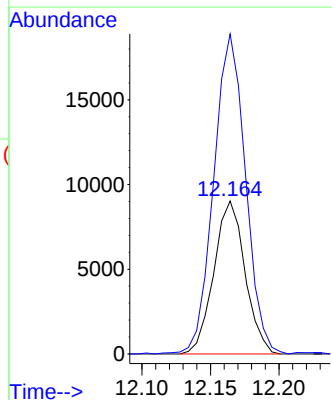
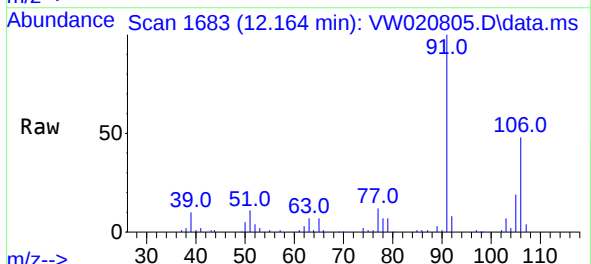
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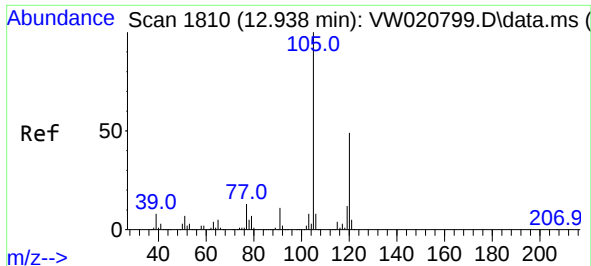
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#54
o-Xylene
Concen: 3.092 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW020805.D
Acq: 08 Nov 2021 12:54

Tgt Ion:106 Resp: 14293
Ion Ratio Lower Upper
106 100
91 209.1 153.6 285.3





#62

1,3,5-Trimethylbenzene

Concen: 0.511 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW020805.D

Acq: 08 Nov 2021 12:54

Instrument :

MSVOA_W

ClientSampleId :

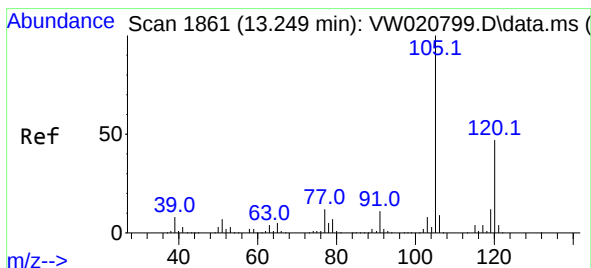
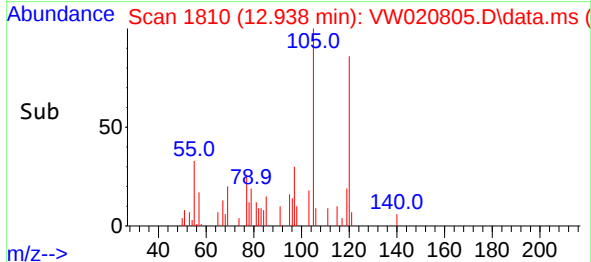
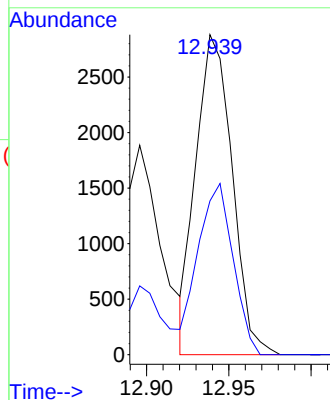
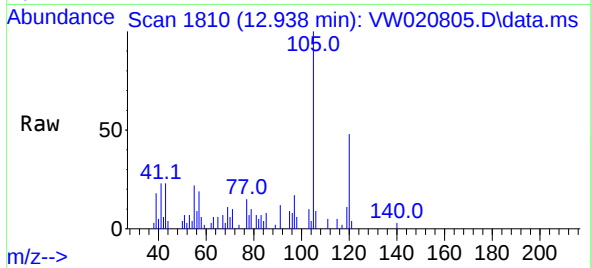
GB7K8

Tgt Ion:105 Resp: 4412
 Ion Ratio Lower Upper
 105 100
 120 51.7 37.4 56.2

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 Supervised By :Mahesh Dadoda 11/17/2021



#63

1,2,4-Trimethylbenzene

Concen: 3.113 ug/L m

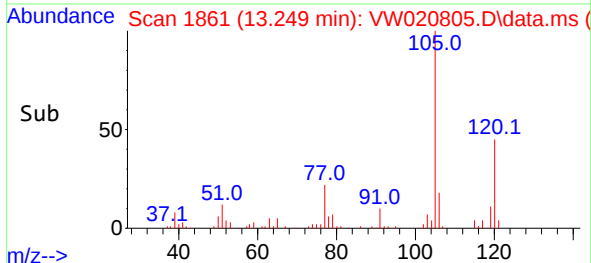
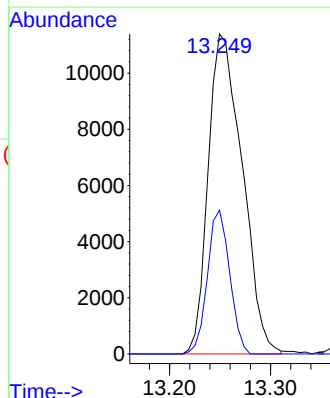
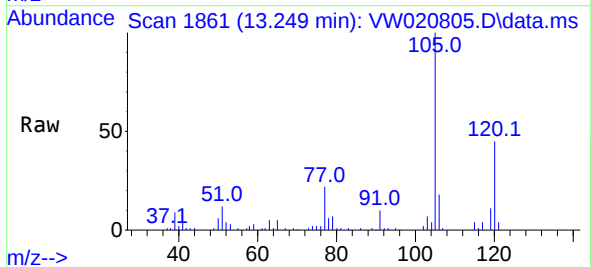
RT: 13.249 min Scan# 1861

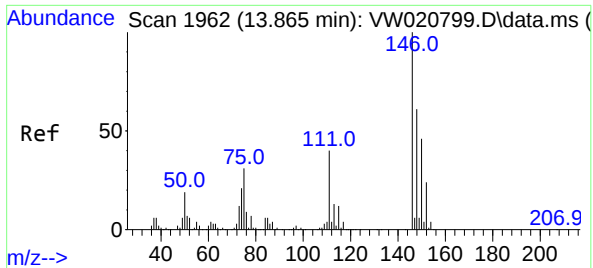
Delta R.T. 0.000 min

Lab File: VW020805.D

Acq: 08 Nov 2021 12:54

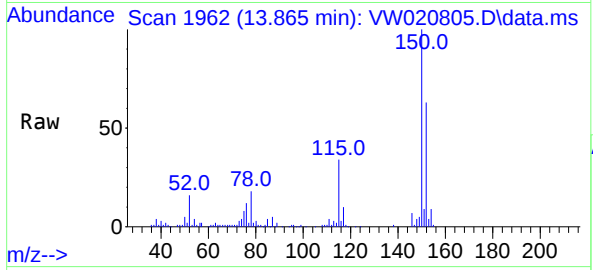
Tgt Ion:105 Resp: 26702
 Ion Ratio Lower Upper
 105 100
 120 8.5 35.0 52.6#





#67
 1,2-Dichlorobenzene
 Concen: 0.823 ug/L
 RT: 13.865 min Scan# 1962
 Delta R.T. 0.000 min
 Lab File: VW020805.D
 Acq: 08 Nov 2021 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 GB7K8



Tgt Ion:	146	Resp:	338
Ion Ratio	Lower	Upper	
146	100		
111	48.7	33.1	49.7
148	60.4	47.4	71.2

Manual Integrations
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 Supervised By :Mahesh Dadoda 11/17/2021

