

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110621\
 Data File : VW020787.D
 Acq On : 05 Nov 2021 18:24
 Operator : SY/VA
 Sample : M4464-01
 Misc : 6.24g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB7K1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/08/2021
 Supervised By : Mahesh Dadoda 11/18/2021

Quant Time: Nov 08 04:54:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Nov 08 04:38:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	146965	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	115735	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	33812	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	40756	29.495	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.000%
7) Chloroethane-d5	2.873	69	22713	29.015	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.040%
11) 1,1-Dichloroethene-d2	4.025	63	93377	32.195	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	128.800%#
21) 2-Butanone-d5	7.098	46	30358	66.154	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	132.300%
24) Chloroform-d	7.647	84	71505	21.897	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.600%
26) 1,2-Dichloroethane-d4	8.305	65	44321	25.495	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.000%
32) Benzene-d6	8.275	84	139542	26.686	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.760%
36) 1,2-Dichloropropane-d6	9.274	67	41674	25.742	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.960%
41) Toluene-d8	10.335	98	122195	24.020	ug/L	0.01
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.080%
43) trans-1,3-Dichloroprop...	10.579	79	24485	30.493	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	121.960%
47) 2-Hexanone-d5	10.926	63	25707	78.478	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	156.960%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	37706	28.103	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.400%
66) 1,2-Dichlorobenzene-d4	13.853	152	24587	23.139	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.560%
Target Compounds						Qvalue
5) Vinyl chloride	2.355	62	189915	83.969	ug/L	97
8) Chloroethane	2.910	64	8679	10.436	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	4.056	101	442484	224.274	ug/L	90
12) 1,1-Dichloroethene	4.037	96	95705	50.900	ug/L #	73
13) Acetone	4.117	43	453963	1076.577	ug/L	94
14) Carbon disulfide	4.385	76	15513	2.733	ug/L	97
17) trans-1,2-Dichloroethene	5.421	96	41384	20.706	ug/L	89
19) 1,1-Dichloroethane	6.214	63	1414796	408.718	ug/L	98
20) cis-1,2-Dichloroethene	7.159	96	12422963m	5896.363	ug/L	
27) 1,2-Dichloroethane	8.396	62	23740	10.176	ug/L	96
29) Cyclohexane	7.957	56	34571	11.449	ug/L	91
30) 1,1,1-Trichloroethane	7.872	97	235686	85.693	ug/L	95
33) Benzene	8.323	78	50820	7.332	ug/L	100
34) Trichloroethene	9.091	95	5894311	3194.758	ug/L	89
35) Methylcyclohexane	9.335	83	2894	0.899	ug/L	93
40) 4-Methyl-2-pentanone	10.231	43	123650	115.288	ug/L #	96
42) Toluene	10.390	91	28809086m	3865.162	ug/L	
45) 1,1,2-Trichloroethane	10.786	97	2905	2.385	ug/L	92
46) Tetrachloroethene	10.866	164	139170	84.098	ug/L	97

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

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

52) Ethylbenzene	11.731	91	342059	40.960	ug/L	99
53) m,p-Xylene	11.835	106	506042	151.242	ug/L	89
54) o-Xylene	12.164	106	167316	52.790	ug/L	93
60) Isopropylbenzene	12.463	105	12287	2.637	ug/L	97
62) 1,3,5-Trimethylbenzene	12.944	105	19562	4.885	ug/L	96
63) 1,2,4-Trimethylbenzene	13.249	105	149216m	37.509	ug/L	
65) 1,4-Dichlorobenzene	13.572	146	2173	1.010	ug/L	89
67) 1,2-Dichlorobenzene	13.865	146	24474	12.822	ug/L	95

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

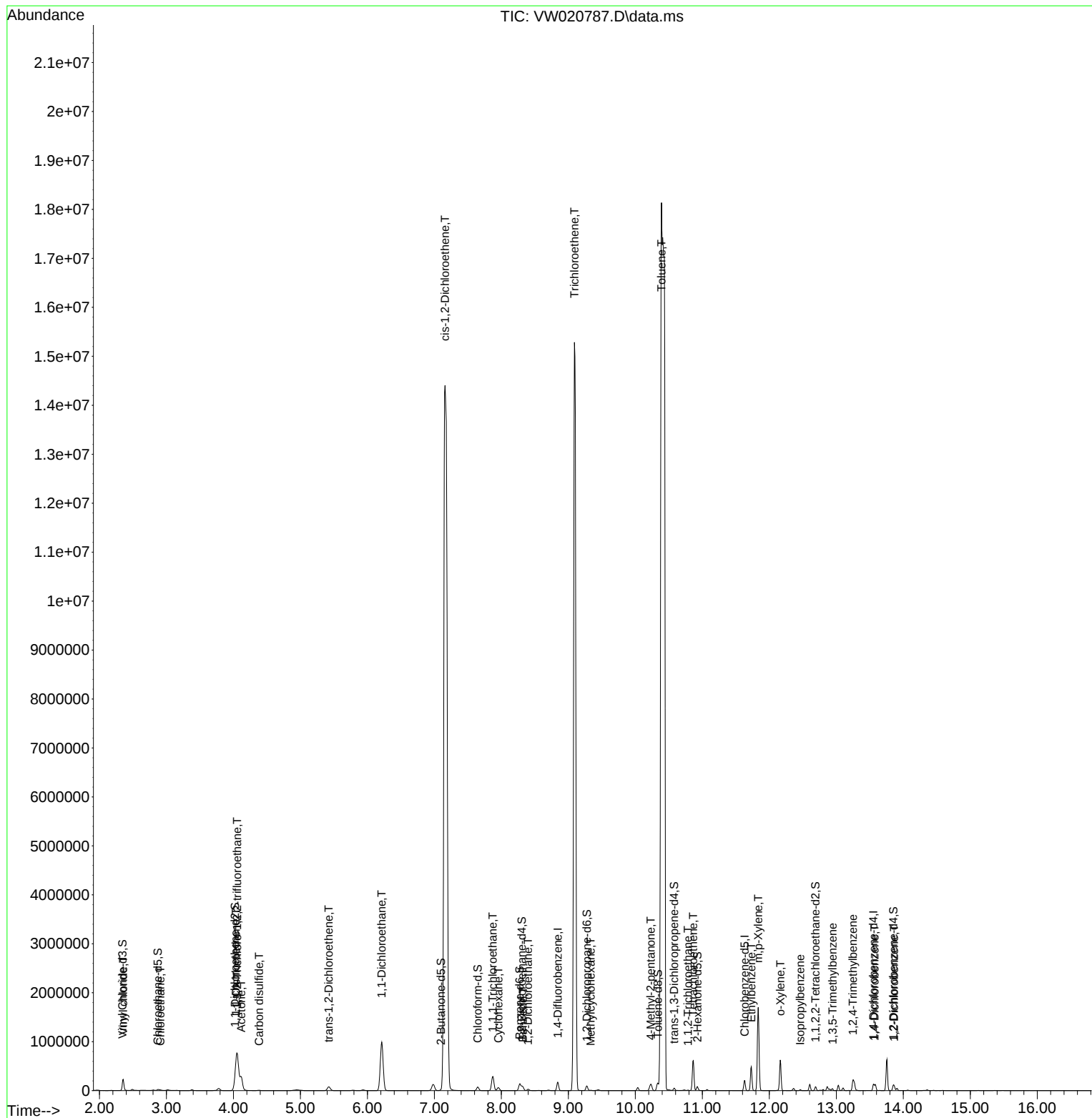
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110621\
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Operator : SY/VA
Sample : M4464-01
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ALS Vial : 1 Sample Multiplier: 1

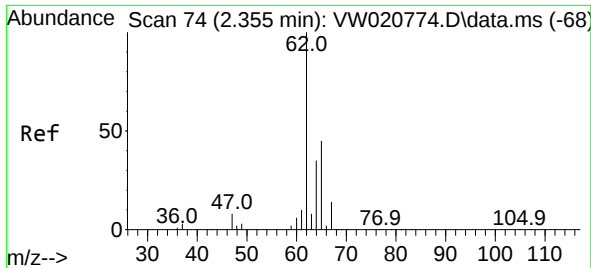
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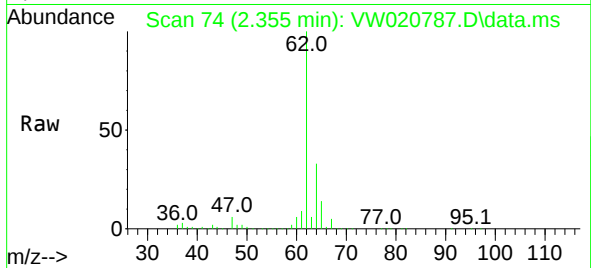
Quant Time: Nov 08 04:54:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Nov 08 04:38:07 2021
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#5
 Vinyl chloride
 Concen: 83.969 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: VW020787.D
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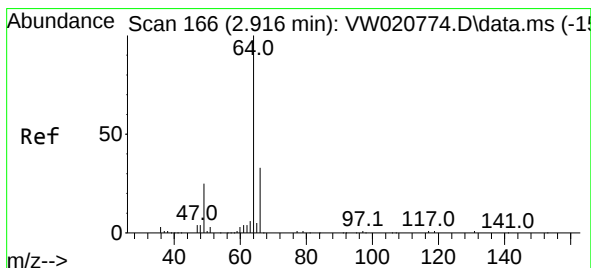
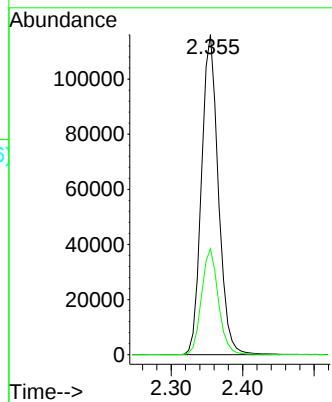
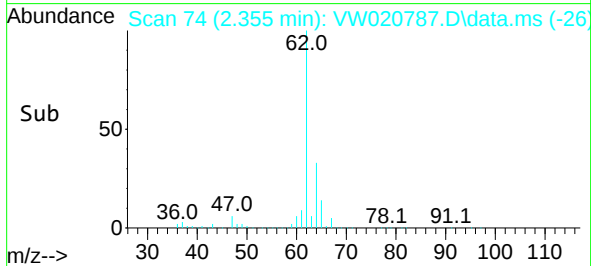
Instrument :
 MSVOA_W
 ClientSampleId :
 GB7K1



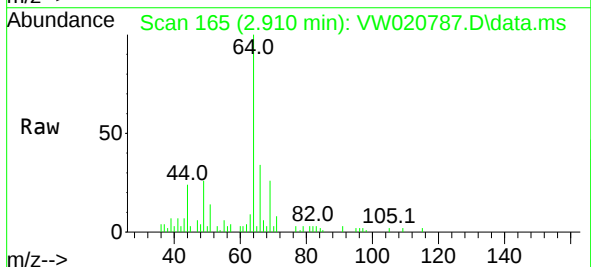
Tgt Ion: 62 Resp: 189915
 Ion Ratio Lower Upper
 62 100
 64 33.1 24.4 45.2

Manual Integrations
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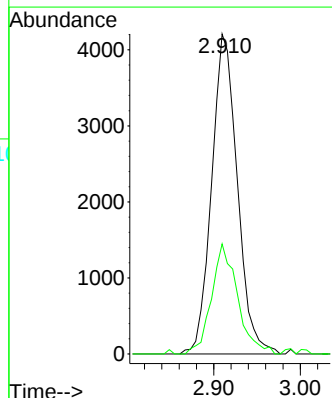
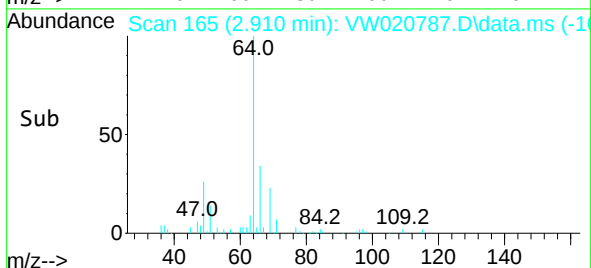
Reviewed By :Semsettin Yesilyurt 11/08/2021
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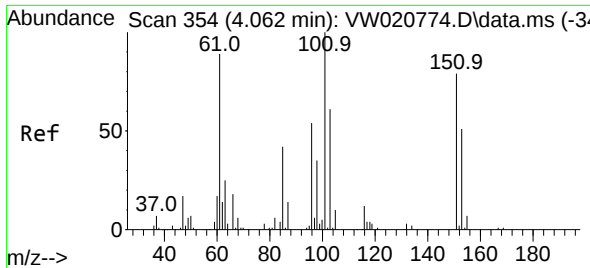


#8
 Chloroethane
 Concen: 10.436 ug/L
 RT: 2.910 min Scan# 165
 Delta R.T. -0.012 min
 Lab File: VW020787.D
 Acq: 05 Nov 2021 18:24



Tgt Ion: 64 Resp: 8679
 Ion Ratio Lower Upper
 64 100
 66 34.4 22.0 40.8





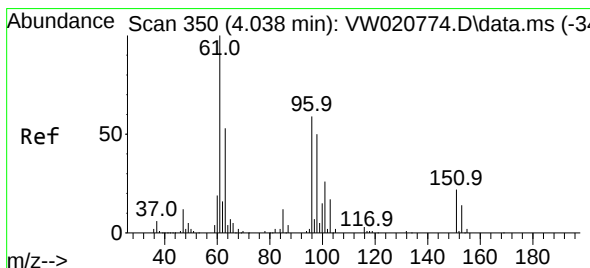
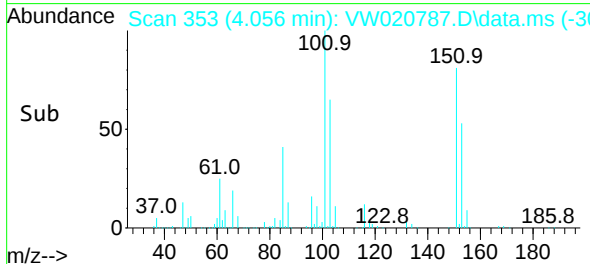
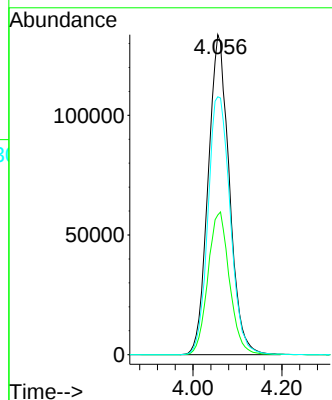
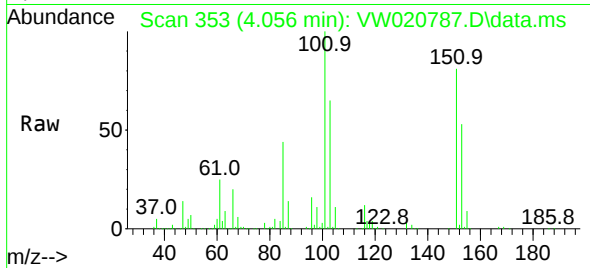
#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 224.274 ug/L
 RT: 4.056 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: VW020787.D
 Acq: 05 Nov 2021 18:24

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 ClientSampleId :
 GB7K1

Tgt Ion:101 Resp: 442484
 Ion Ratio Lower Upper
 101 100
 85 45.4 36.6 54.8
 151 84.8 57.4 86.0

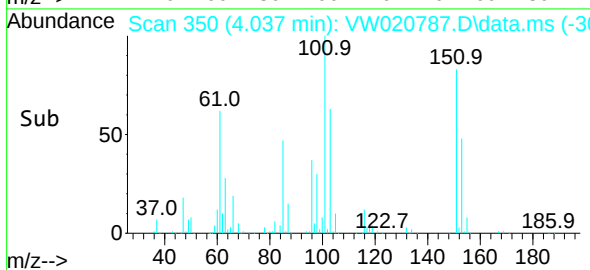
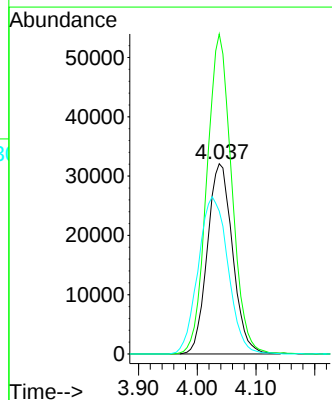
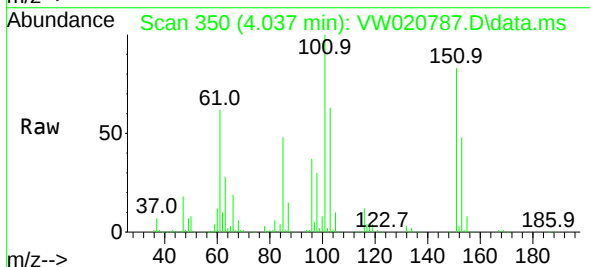
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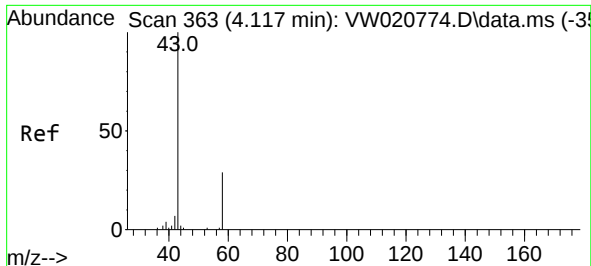
Reviewed By :Semsettin Yesilyurt 11/08/2021
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#12
 1,1-Dichloroethene
 Concen: 50.900 ug/L
 RT: 4.037 min Scan# 350
 Delta R.T. -0.000 min
 Lab File: VW020787.D
 Acq: 05 Nov 2021 18:24

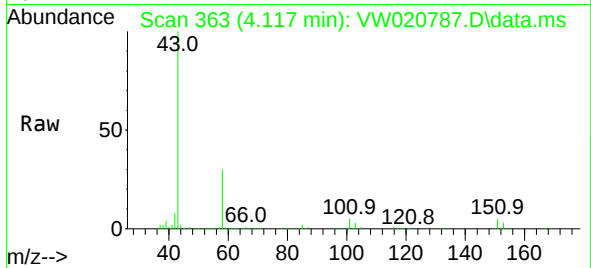
Tgt Ion: 96 Resp: 95705
 Ion Ratio Lower Upper
 96 100
 61 168.2 138.3 256.9
 63 75.1 82.6 153.4#





#13
Acetone
Concen: 1076.577 ug/L
RT: 4.117 min Scan# 363
Delta R.T. -0.006 min
Lab File: VW020787.D
Acq: 05 Nov 2021 18:24

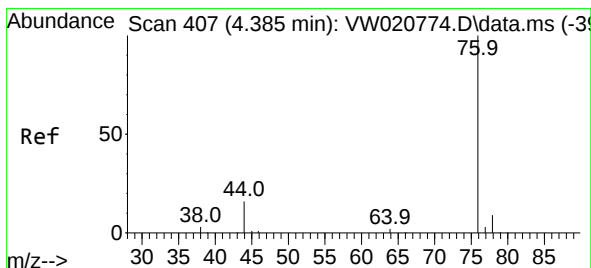
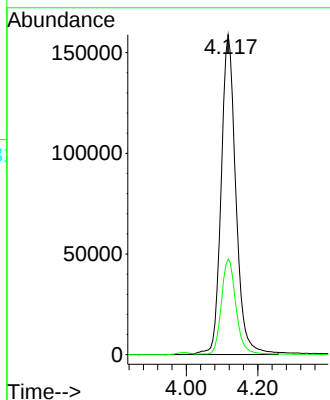
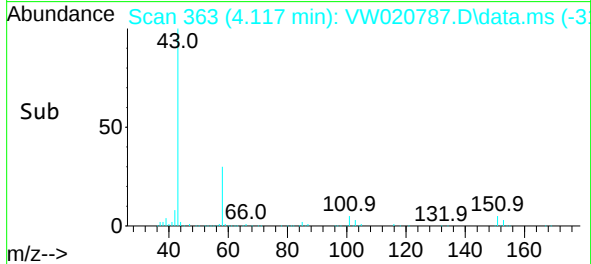
Instrument :
MSVOA_W
ClientSampleId :
GB7K1



Tgt Ion: 43 Resp: 45396
Ion Ratio Lower Upper
43 100
58 29.7 0.0 52.8

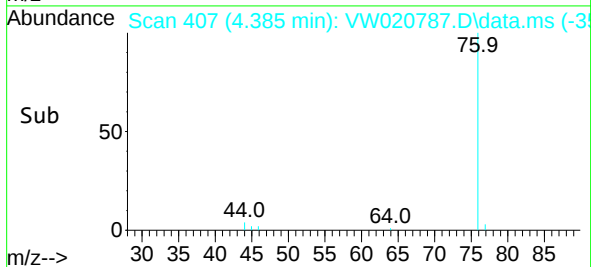
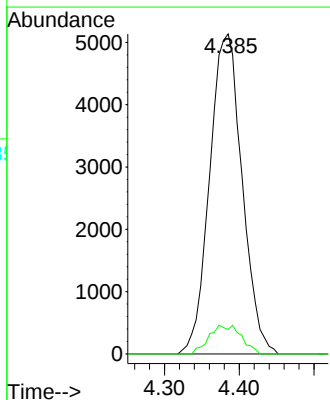
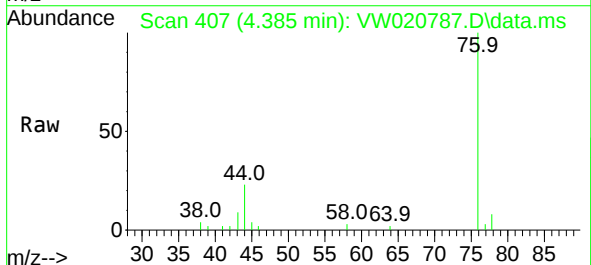
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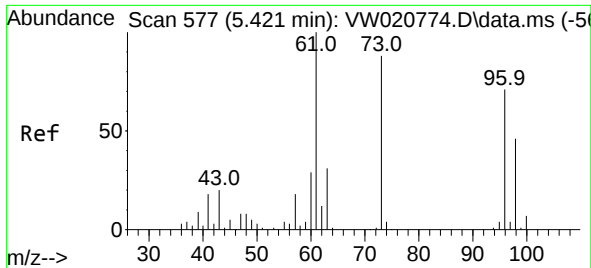
Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/18/2021



#14
Carbon disulfide
Concen: 2.733 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.000 min
Lab File: VW020787.D
Acq: 05 Nov 2021 18:24

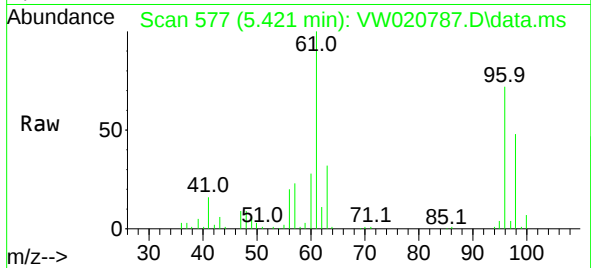
Tgt Ion: 76 Resp: 15513
Ion Ratio Lower Upper
76 100
78 7.7 7.1 10.7





#17
trans-1,2-Dichloroethene
Concen: 20.706 ug/L
RT: 5.421 min Scan# 51
Delta R.T. -0.007 min
Lab File: VW020787.D
Acq: 05 Nov 2021 18:24

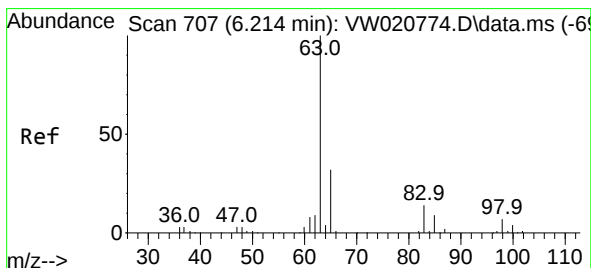
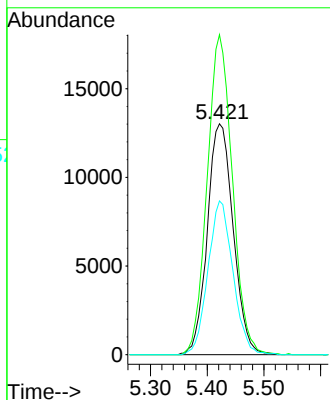
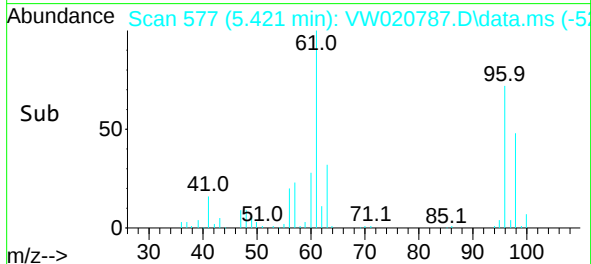
Instrument :
MSVOA_W
ClientSampleId :
GB7K1



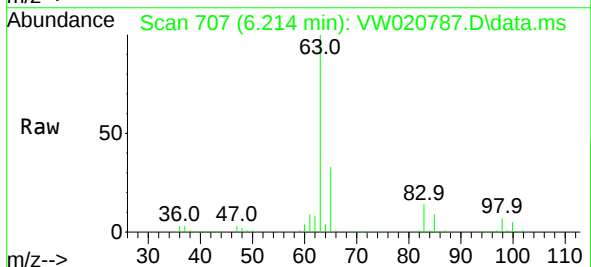
Tgt Ion: 96 Resp: 41384
Ion Ratio Lower Upper
96 100
61 138.6 107.4 199.4
98 66.6 41.2 76.6

Manual Integrations
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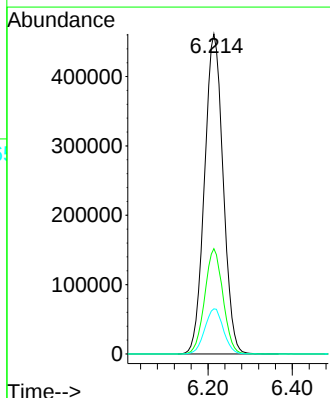
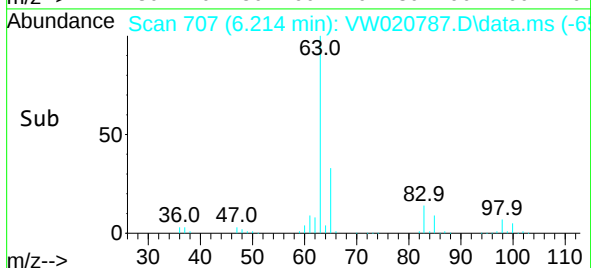
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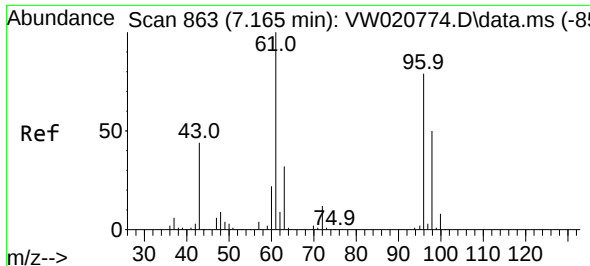


#19
1,1-Dichloroethane
Concen: 408.718 ug/L
RT: 6.214 min Scan# 707
Delta R.T. -0.006 min
Lab File: VW020787.D
Acq: 05 Nov 2021 18:24



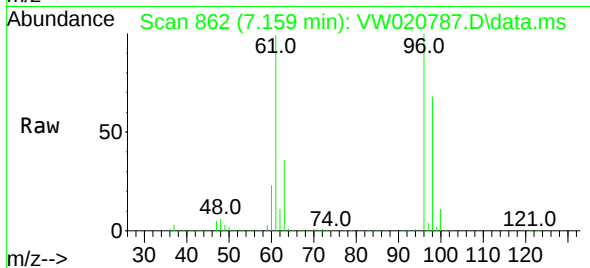
Tgt Ion: 63 Resp: 1414796
Ion Ratio Lower Upper
63 100
65 32.9 22.1 41.1
83 14.1 9.2 17.2





#20
cis-1,2-Dichloroethene
Concen: 5896.363 ug/L m
RT: 7.159 min Scan# 80
Delta R.T. -0.012 min
Lab File: VW020787.D
Acq: 05 Nov 2021 18:24

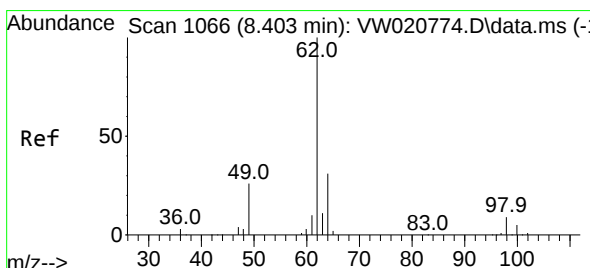
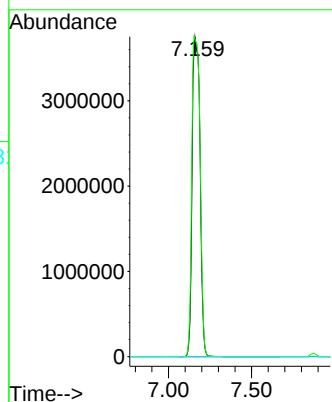
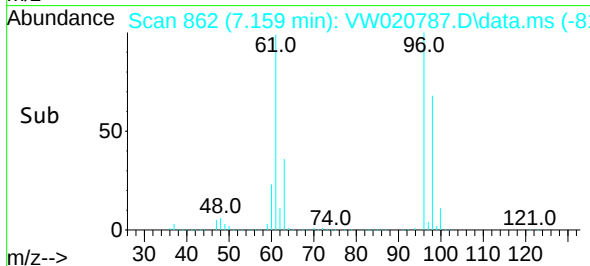
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Tgt Ion: 96 Resp:1242296
Ion Ratio Lower Upper
96 100
61 99.5 103.7 192.7
68 0.0 0.0 0.0

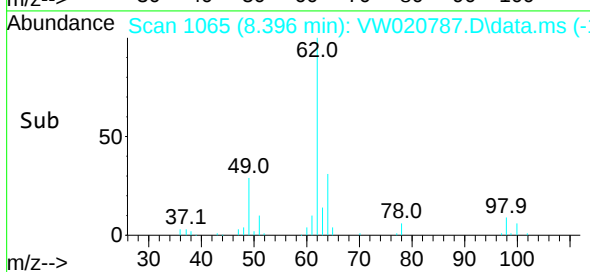
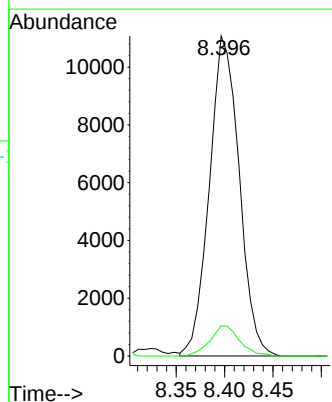
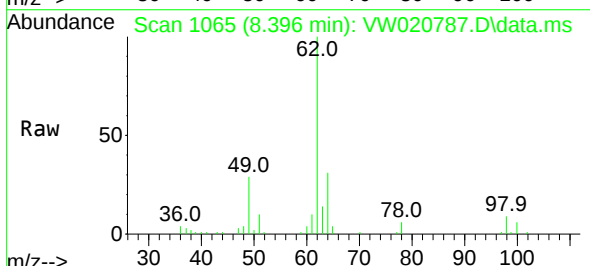
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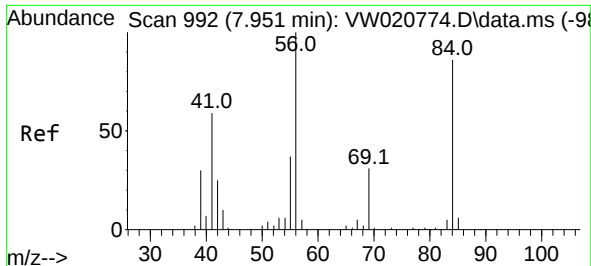
Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/18/2021



#27
1,2-Dichloroethane
Concen: 10.176 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. -0.007 min
Lab File: VW020787.D
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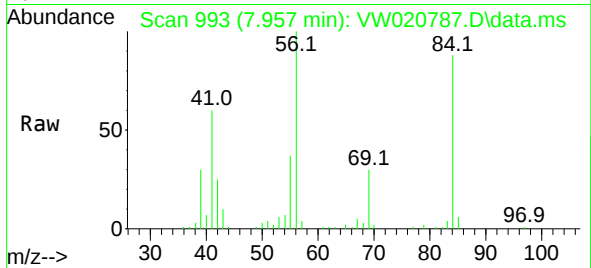
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Ion Ratio Lower Upper
62 100
98 9.5 6.5 9.7





#29
Cyclohexane
Concen: 11.449 ug/L
RT: 7.957 min Scan# 993
Delta R.T. -0.000 min
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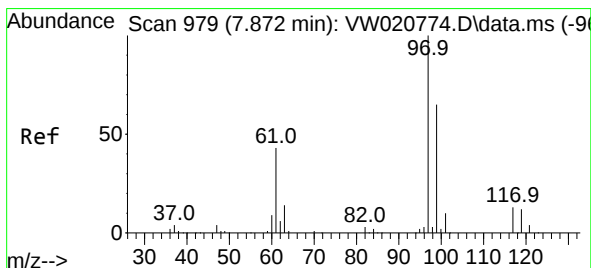
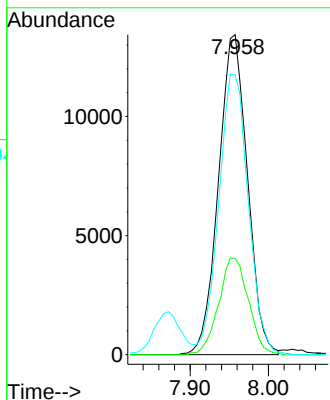
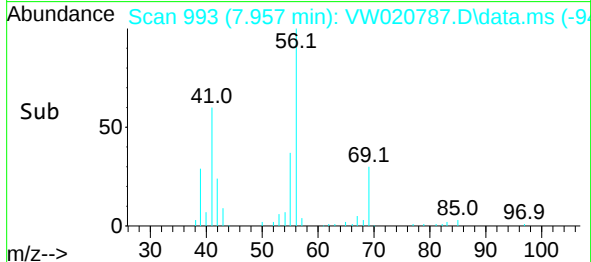
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Tgt Ion: 56 Resp: 3457
Ion Ratio Lower Upper
56 100
69 31.0 23.5 35.3
84 89.5 63.4 95.2

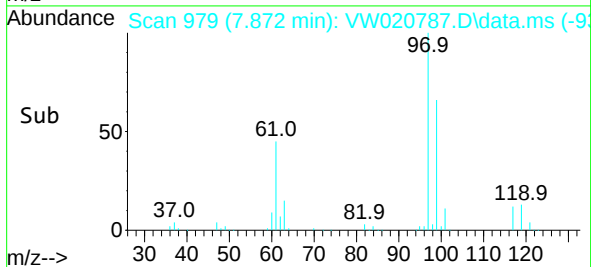
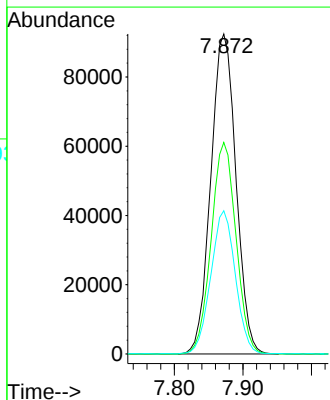
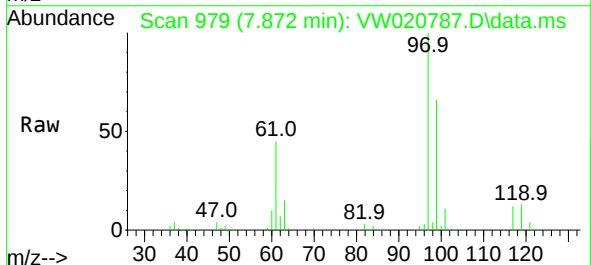
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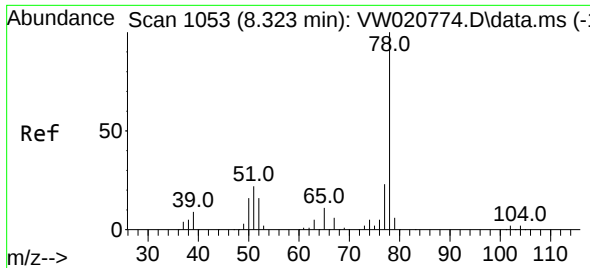
Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/18/2021



#30
1,1,1-Trichloroethane
Concen: 85.693 ug/L
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW020787.D
Acq: 05 Nov 2021 18:24

Tgt Ion: 97 Resp: 235686
Ion Ratio Lower Upper
97 100
99 65.2 51.6 77.4
61 43.6 40.9 61.3





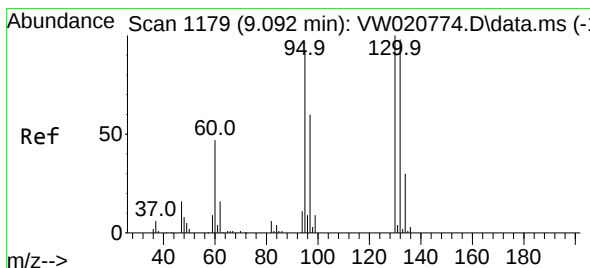
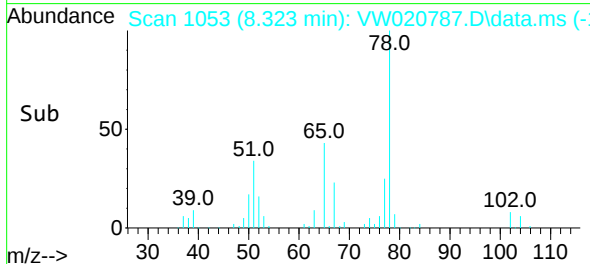
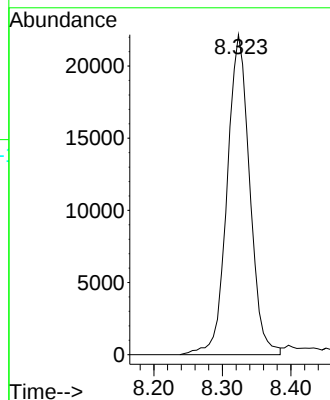
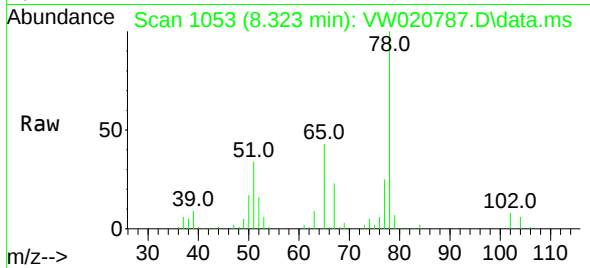
#33
Benzene
Concen: 7.332 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW020787.D
Acq: 05 Nov 2021 18:24

Instrument :
MSVOA_W
ClientSampleId :
GB7K1

Tgt Ion: 78 Resp: 50820

Manual Integrations
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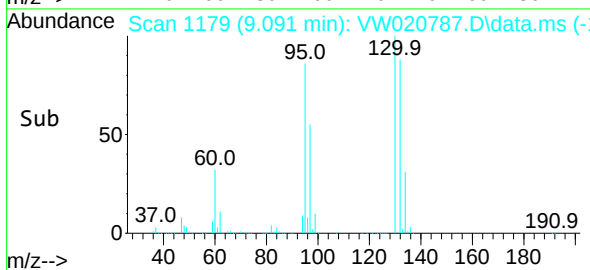
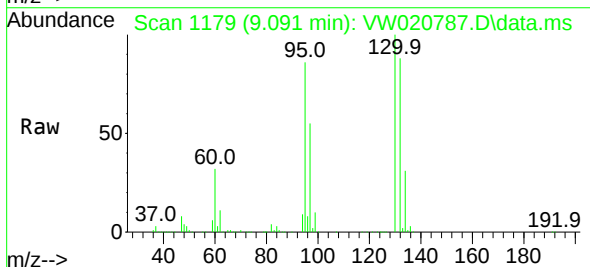
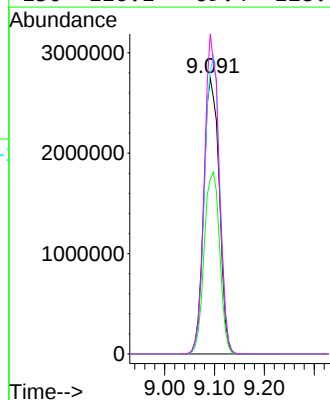
Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/18/2021

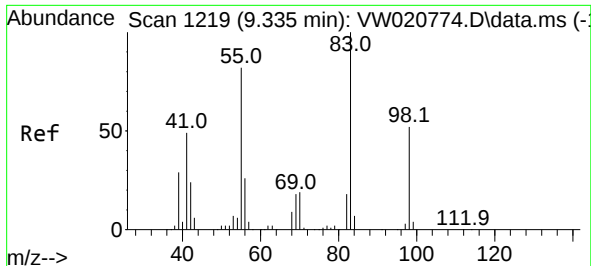


#34
Trichloroethene
Concen: 3194.758 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW020787.D
Acq: 05 Nov 2021 18:24

Tgt Ion: 95 Resp: 5894311

Ion	Ratio	Lower	Upper
95	100		
97	63.3	47.0	87.2
132	102.6	65.5	121.6
130	116.1	69.4	128.8





#35

Methylcyclohexane

Concen: 0.899 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW020787.D

Acq: 05 Nov 2021 18:24

Instrument :

MSVOA_W

ClientSampleId :

GB7K1

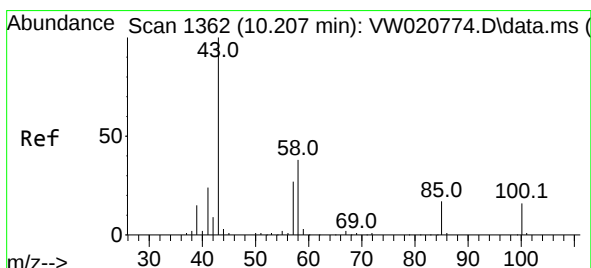
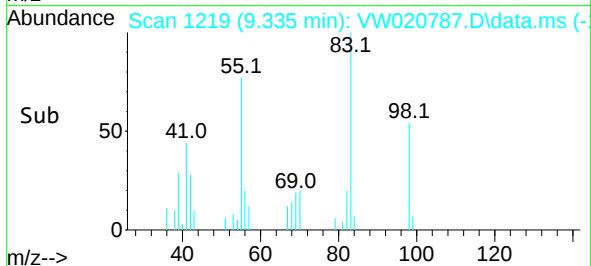
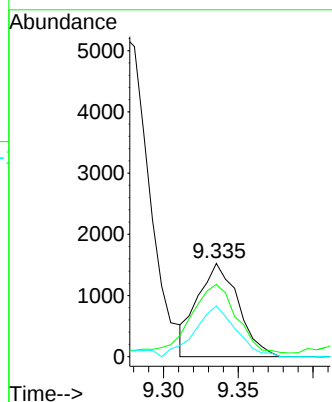
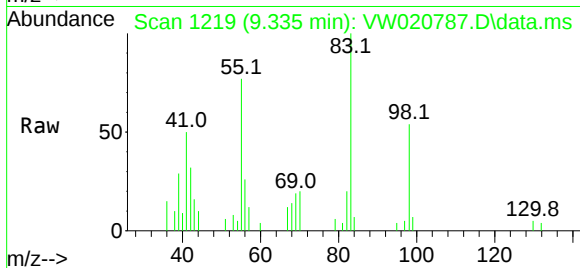
Tgt Ion: 83 Resp: 2894

Ion	Ratio	Lower	Upper
83	100		
55	84.2	70.8	106.2
98	54.4	37.7	56.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/18/2021



#40

4-Methyl-2-pentanone

Concen: 115.288 ug/L

RT: 10.231 min Scan# 1366

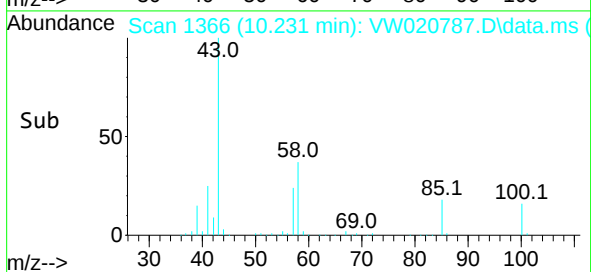
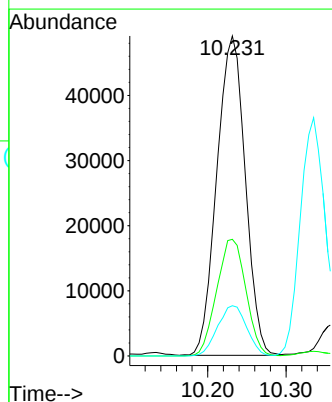
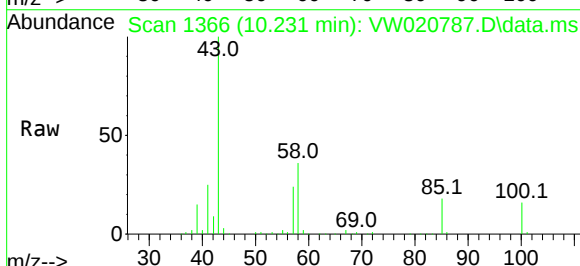
Delta R.T. 0.024 min

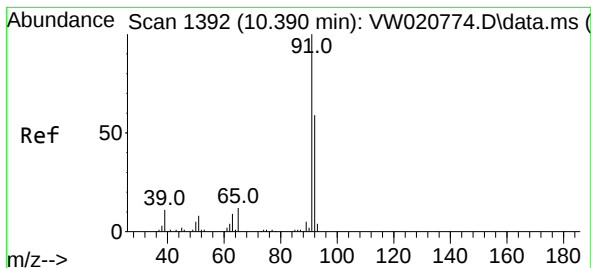
Lab File: VW020787.D

Acq: 05 Nov 2021 18:24

Tgt Ion: 43 Resp: 123650

Ion	Ratio	Lower	Upper
43	100		
58	37.5	28.8	43.2
100	16.2	10.0	15.0





#42

Toluene

Concen: 3865.162 ug/L m

RT: 10.390 min Scan# 1392

Delta R.T. -0.000 min

Lab File: VW020787.D

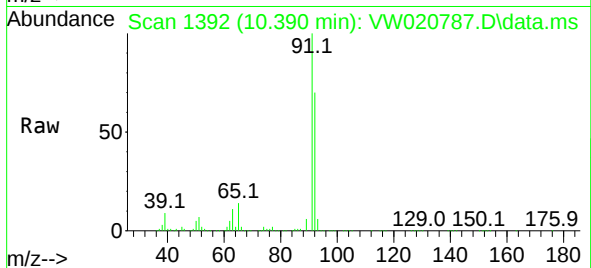
Acq: 05 Nov 2021 18:24

Instrument :

MSVOA_W

ClientSampleId :

GB7K1



Tgt Ion: 91 Resp: 2880908

Ion Ratio Lower Upper

91 100

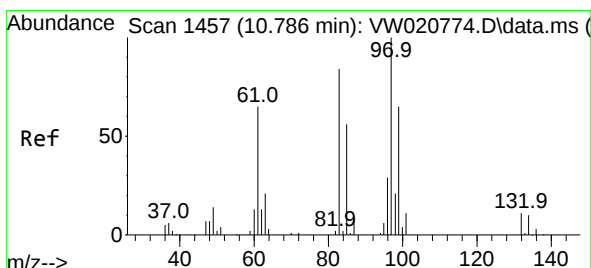
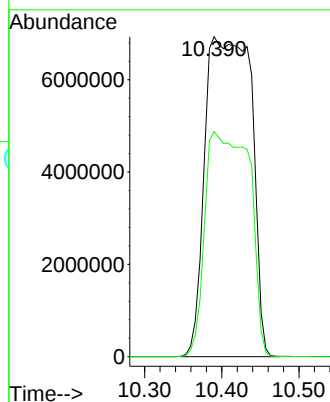
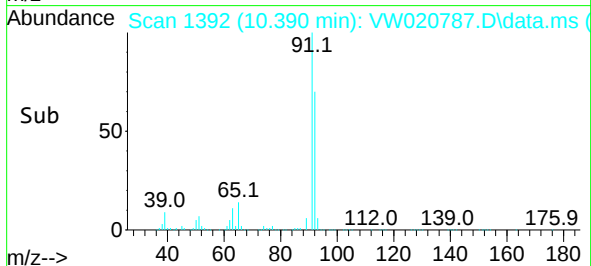
92 70.3 41.7 77.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/08/2021

Supervised By :Mahesh Dadoda 11/18/2021



#45

1,1,2-Trichloroethane

Concen: 2.385 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW020787.D

Acq: 05 Nov 2021 18:24

Tgt Ion: 97 Resp: 2905

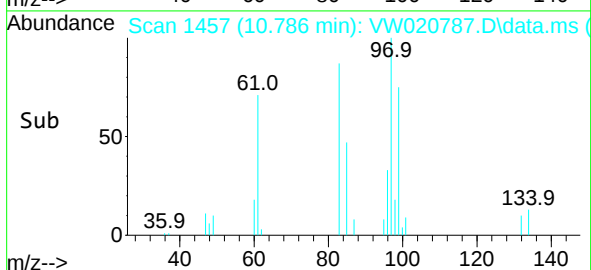
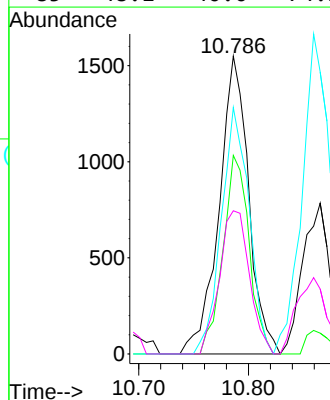
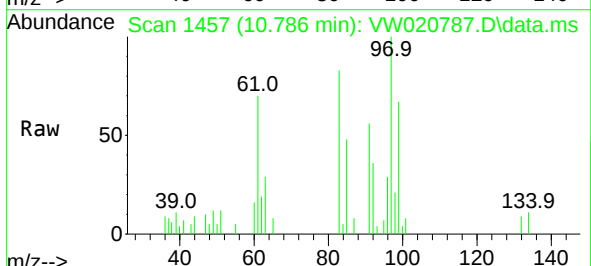
Ion Ratio Lower Upper

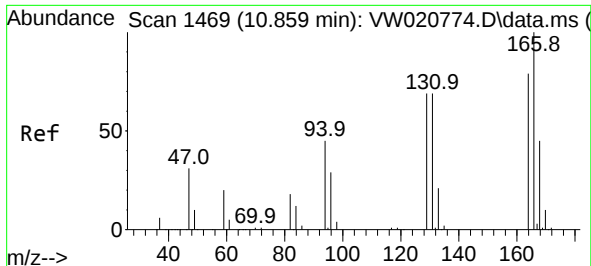
97 100

99 66.6 43.0 79.8

83 82.7 62.6 116.3

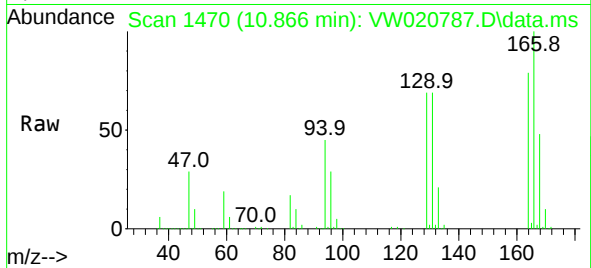
85 48.1 40.0 74.2





#46
Tetrachloroethene
Concen: 84.098 ug/L
RT: 10.866 min Scan# 1469
Delta R.T. 0.006 min
Lab File: VW020787.D
Acq: 05 Nov 2021 18:24

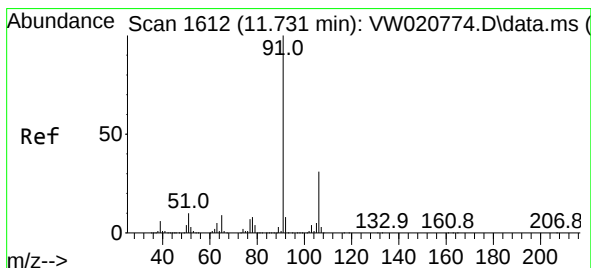
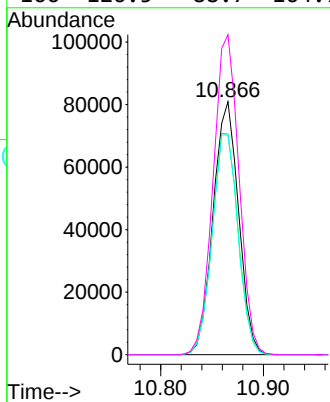
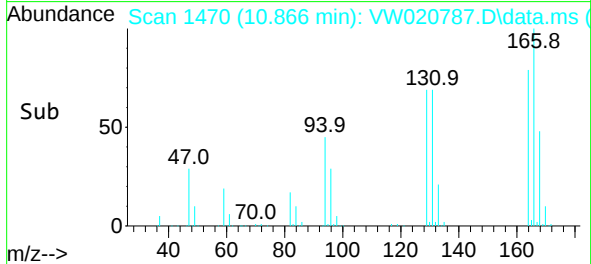
Instrument :
MSVOA_W
ClientSampleId :
GB7K1



Tgt Ion:164 Resp: 139170
Ion Ratio Lower Upper
164 100
129 87.2 65.5 121.7
131 86.8 59.7 110.9
166 126.5 88.7 164.7

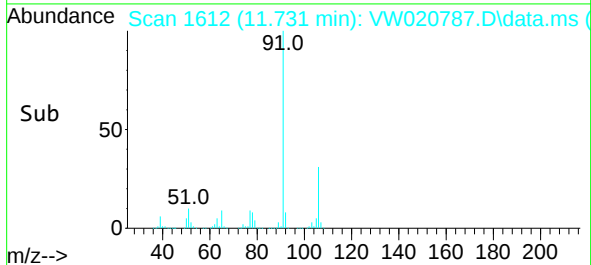
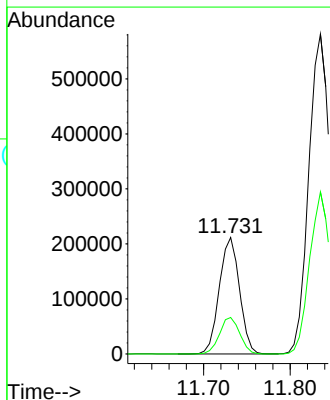
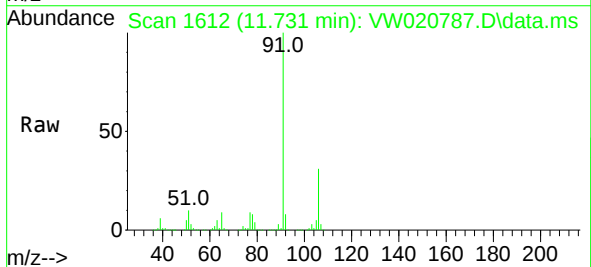
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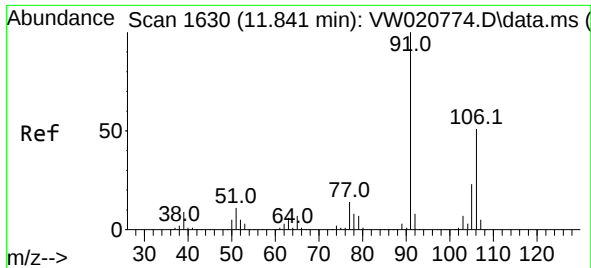
Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/18/2021



#52
Ethylbenzene
Concen: 40.960 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW020787.D
Acq: 05 Nov 2021 18:24

Tgt Ion: 91 Resp: 342059
Ion Ratio Lower Upper
91 100
106 31.3 21.5 39.9





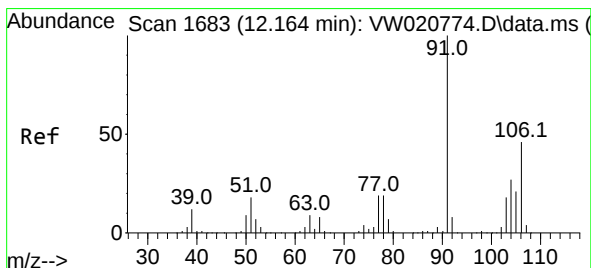
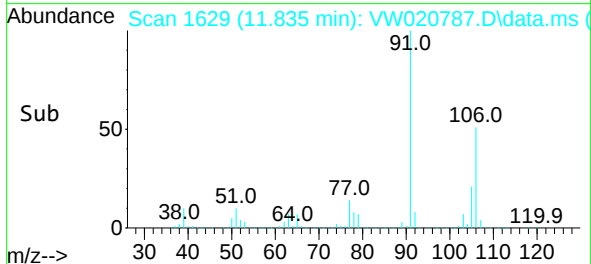
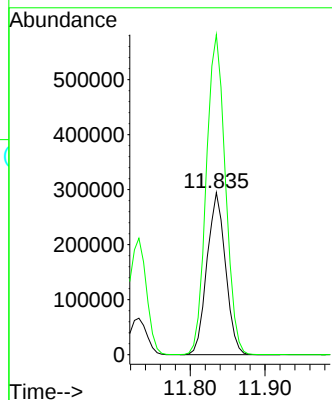
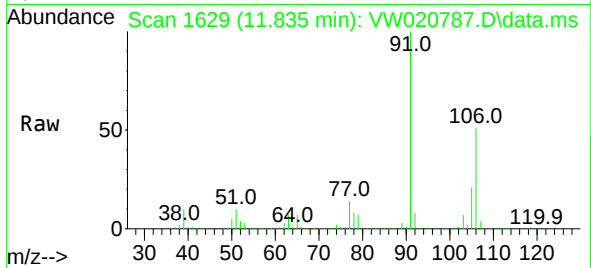
#53
m,p-Xylene
Concen: 151.242 ug/L
RT: 11.835 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW020787.D
Acq: 05 Nov 2021 18:24

Instrument :
MSVOA_W
ClientSampleId :
GB7K1

Tgt Ion:106 Resp: 50604
Ion Ratio Lower Upper
106 100
91 197.4 149.9 278.3

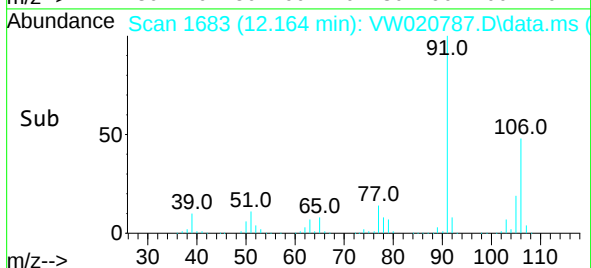
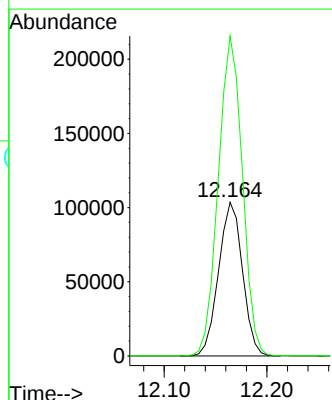
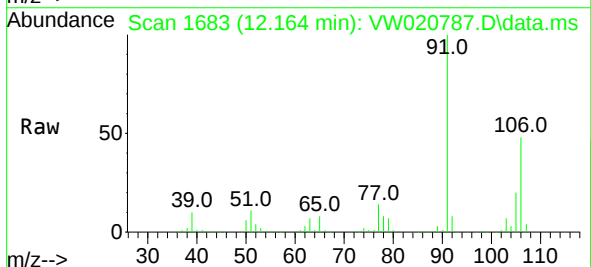
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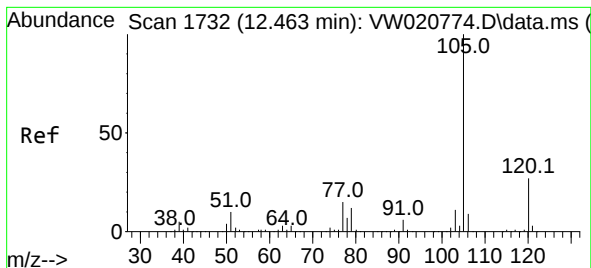
Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/18/2021



#54
o-Xylene
Concen: 52.790 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW020787.D
Acq: 05 Nov 2021 18:24

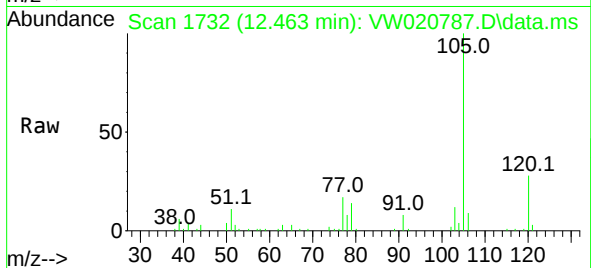
Tgt Ion:106 Resp: 167316
Ion Ratio Lower Upper
106 100
91 208.3 153.6 285.3





#60
Isopropylbenzene
Concen: 2.637 ug/L
RT: 12.463 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW020787.D
Acq: 05 Nov 2021 18:24

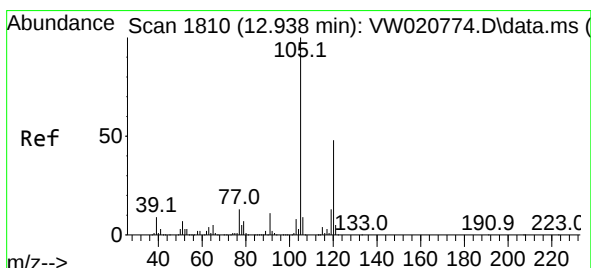
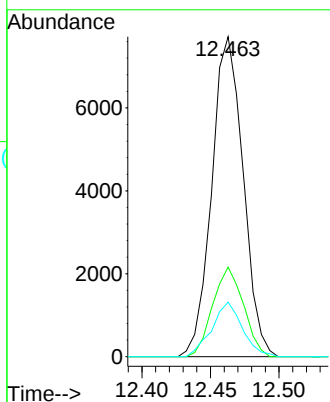
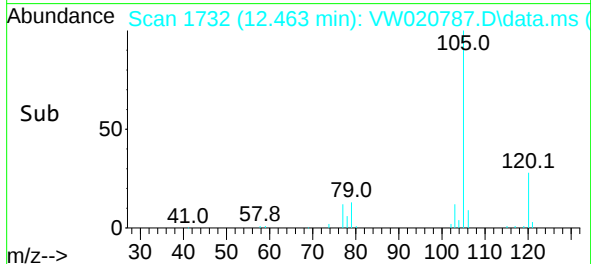
Instrument :
MSVOA_W
ClientSampleId :
GB7K1



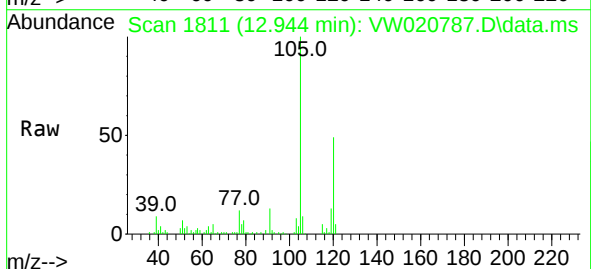
Tgt Ion:105 Resp: 1228
Ion Ratio Lower Upper
105 100
120 27.4 20.1 30.1
77 16.6 13.8 20.8

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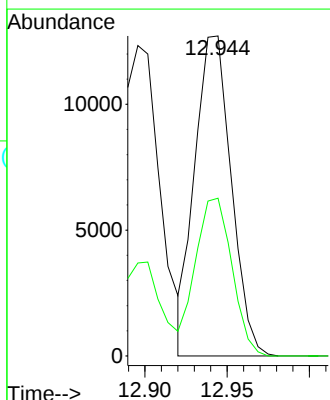
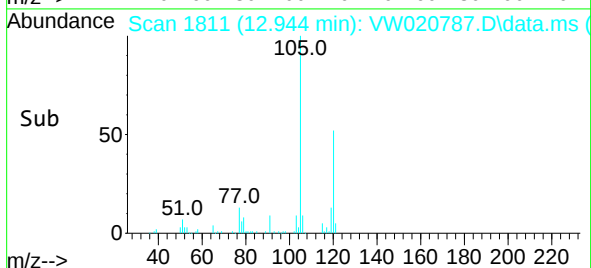
Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/18/2021

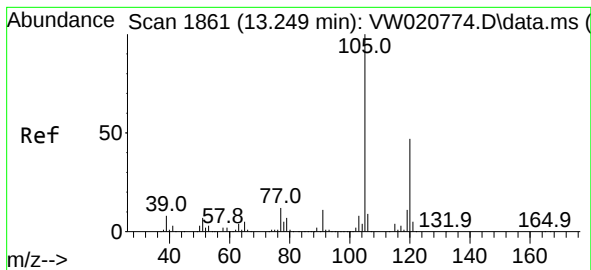


#62
1,3,5-Trimethylbenzene
Concen: 4.885 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW020787.D
Acq: 05 Nov 2021 18:24



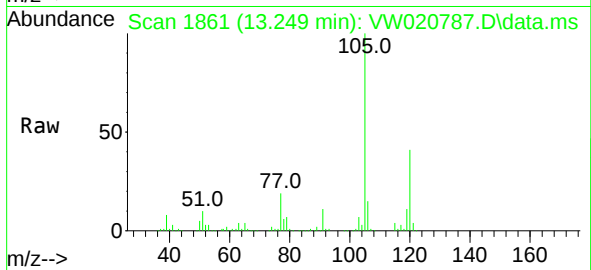
Tgt Ion:105 Resp: 19562
Ion Ratio Lower Upper
105 100
120 49.4 37.4 56.2





#63
1,2,4-Trimethylbenzene
Concen: 37.509 ug/L m
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW020787.D
Acq: 05 Nov 2021 18:24

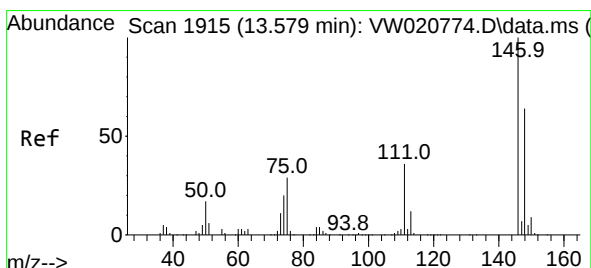
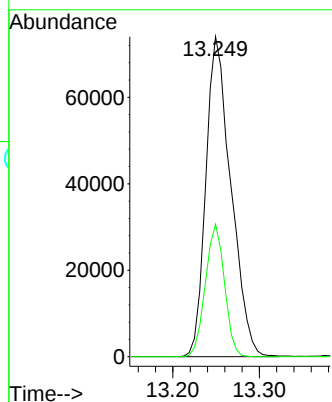
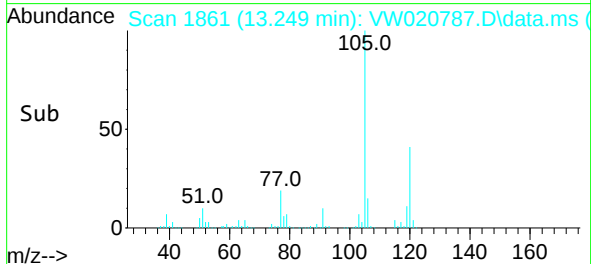
Instrument :
MSVOA_W
ClientSampleId :
GB7K1



Tgt Ion:105 Resp: 149210
Ion Ratio Lower Upper
105 100
120 6.5 35.0 52.6

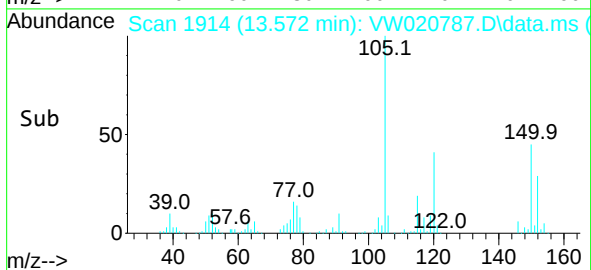
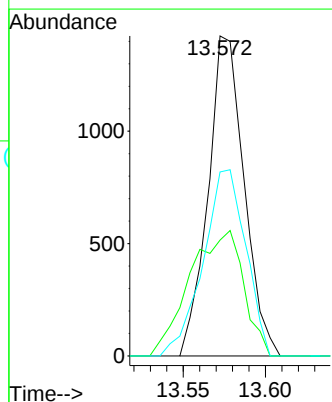
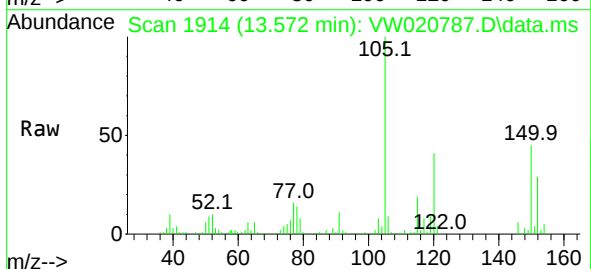
Manual Integrations
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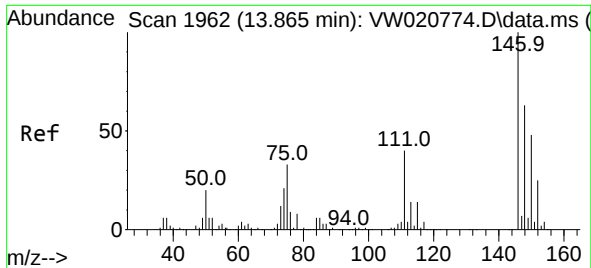
Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/18/2021



#65
1,4-Dichlorobenzene
Concen: 1.010 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.006 min
Lab File: VW020787.D
Acq: 05 Nov 2021 18:24

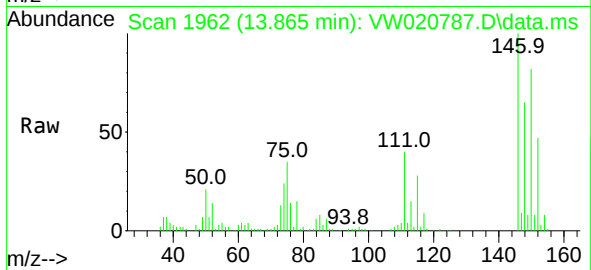
Tgt Ion:146 Resp: 2173
Ion Ratio Lower Upper
146 100
111 36.2 29.0 53.9
148 57.5 46.9 87.1





#67
 1,2-Dichlorobenzene
 Concen: 12.822 ug/L
 RT: 13.865 min Scan# 1962
 Delta R.T. -0.006 min
 Lab File: VW020787.D
 Acq: 05 Nov 2021 18:24

Instrument :
 MSVOA_W
 ClientSampleId :
 GB7K1



Tgt Ion:146 Resp: 24474
 Ion Ratio Lower Upper
 146 100
 111 40.4 33.1 49.7
 148 65.2 47.4 71.2

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/08/2021
 Supervised By :Mahesh Dadoda 11/18/2021

