

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110621\
 Data File : VW020795.D
 Acq On : 05 Nov 2021 21:37
 Operator : SY/VA
 Sample : M4464-11
 Misc : 5.57g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB7K9

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/08/2021
 Supervised By : Mahesh Dadoda 11/10/2021

Quant Time: Nov 08 04:55:32 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	8.842	114	154345	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	124979	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	44656	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	43811	30.190	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 120.760%	
7) Chloroethane-d5	2.879	69	24935m	30.330	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 121.320%	
11) 1,1-Dichloroethene-d2	4.019	63	64706	21.243	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 84.960%	
21) 2-Butanone-d5	7.074	46	30713	63.728	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 127.460%	
24) Chloroform-d	7.647	84	84709	24.700	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 98.800%	
26) 1,2-Dichloroethane-d4	8.305	65	51582	28.253	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 113.000%	
32) Benzene-d6	8.275	84	165597	29.327	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 117.320%	
36) 1,2-Dichloropropane-d6	9.275	67	52871	30.242	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 120.960%#	
41) Toluene-d8	10.323	98	151812	27.635	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 110.520%	
43) trans-1,3-Dichloroprop...	10.579	79	26176	30.187	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 120.760%	
47) 2-Hexanone-d5	10.921	63	25702	72.660	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 145.320%#	
56) 1,1,2,2-Tetrachloroeth...	12.689	84	46647	32.195	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 128.800%#	
66) 1,2-Dichlorobenzene-d4	13.853	152	40525	28.877	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 115.520%	
Target Compounds						Qvalue
5) Vinyl chloride	2.355	62	19327	8.137	ug/L	87
10) 1,1,2-Trichloro-1,2,2-...	4.056	101	160019	77.228	ug/L	90
12) 1,1-Dichloroethene	4.038	96	26766	13.555	ug/L	78
13) Acetone	4.123	43	52217	117.912	ug/L	93
14) Carbon disulfide	4.385	76	6163	1.034	ug/L	99
17) trans-1,2-Dichloroethene	5.428	96	7305	3.480	ug/L	88
19) 1,1-Dichloroethane	6.214	63	467526	128.605	ug/L	99
20) cis-1,2-Dichloroethene	7.165	96	2124459	960.127	ug/L	84
27) 1,2-Dichloroethane	8.397	62	4974	2.030	ug/L #	94
29) Cyclohexane	7.958	56	82543	25.314	ug/L	93
30) 1,1,1-Trichloroethane	7.872	97	138224	46.540	ug/L	95
33) Benzene	8.323	78	19703	2.632	ug/L	100
34) Trichloroethene	9.092	95	30761	15.439	ug/L	95
35) Methylcyclohexane	9.335	83	18211	5.238	ug/L	95
40) 4-Methyl-2-pentanone	10.213	43	21684	18.722	ug/L #	97
42) Toluene	10.396	91	13394274	1664.122	ug/L	90
45) 1,1,2-Trichloroethane	10.780	97	2213	1.683	ug/L	86
46) Tetrachloroethene	10.860	164	211552	118.381	ug/L	97
52) Ethylbenzene	11.731	91	481978	53.446	ug/L	99

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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)

53) m,p-Xylene	11.835	106	407167	112.690	ug/L	91
54) o-Xylene	12.164	106	224329	65.543	ug/L	98
60) Isopropylbenzene	12.463	105	14817	2.407	ug/L	97
62) 1,3,5-Trimethylbenzene	12.945	105	31290	5.916	ug/L	95
63) 1,2,4-Trimethylbenzene	13.249	105	152157	28.960	ug/L	99
65) 1,4-Dichlorobenzene	13.579	146	2587	0.910	ug/L	92
67) 1,2-Dichlorobenzene	13.865	146	33783	13.402	ug/L	96

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

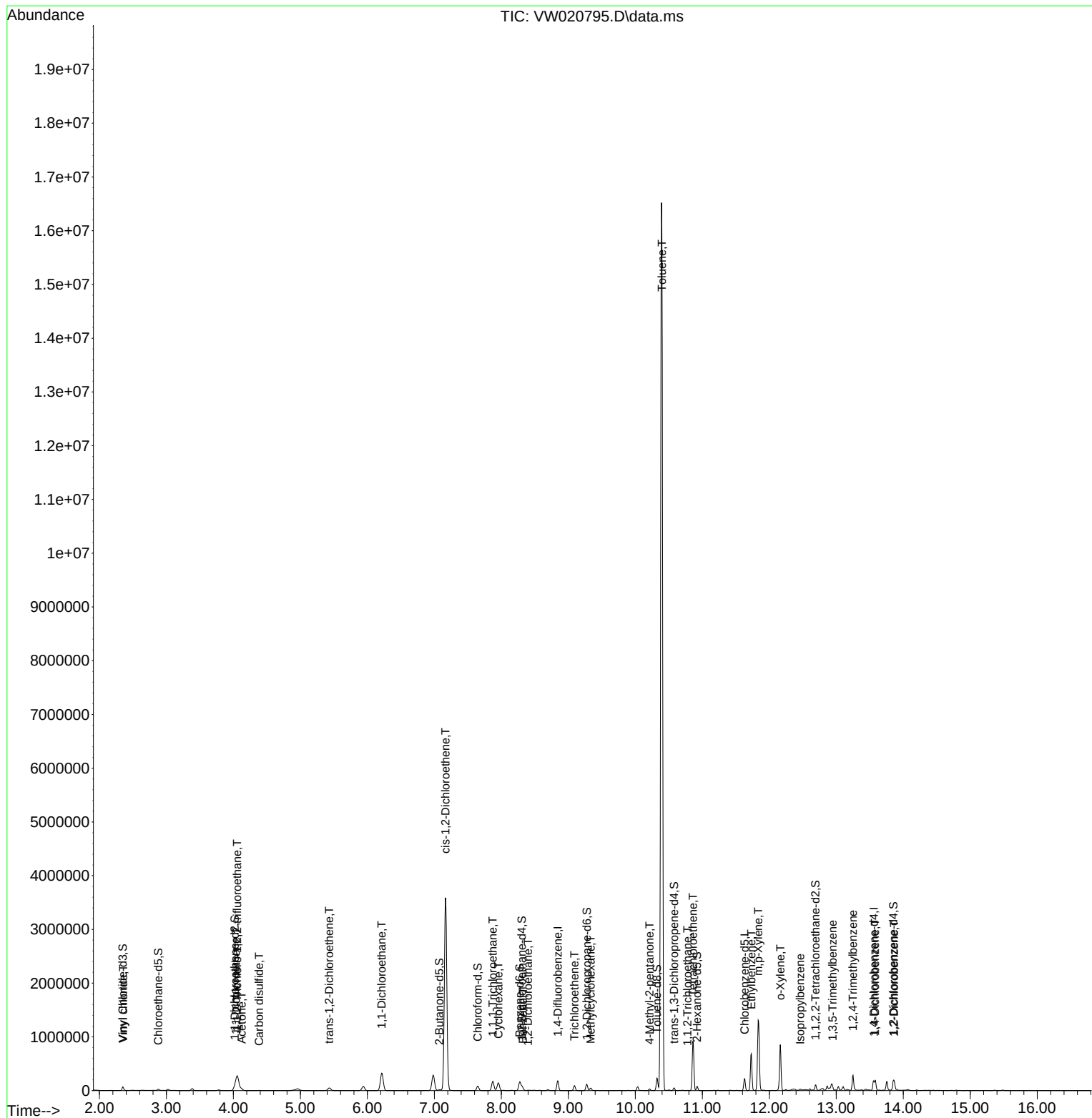
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110621\
Data File : VW020795.D
Acq On : 05 Nov 2021 21:37
Operator : SY/VA
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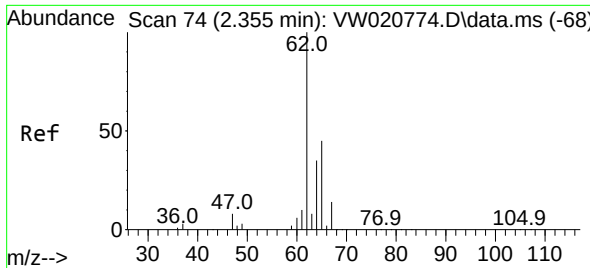
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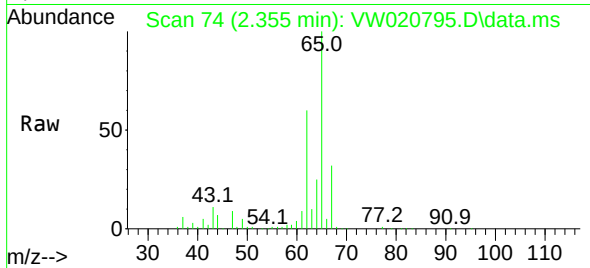
Quant Time: Nov 08 04:55:32 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Nov 08 04:38:07 2021
Response via : Initial Calibration





#5
 Vinyl chloride
 Concen: 8.137 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: VW020795.D
 Acq: 05 Nov 2021 21:37

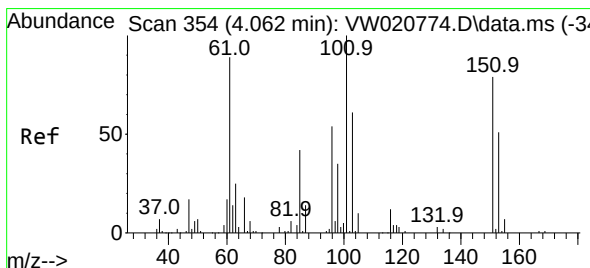
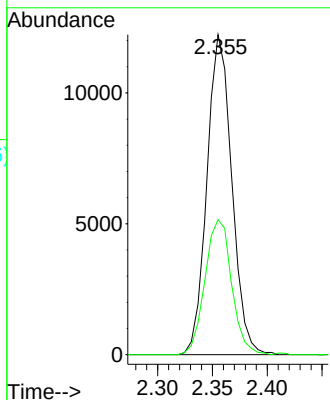
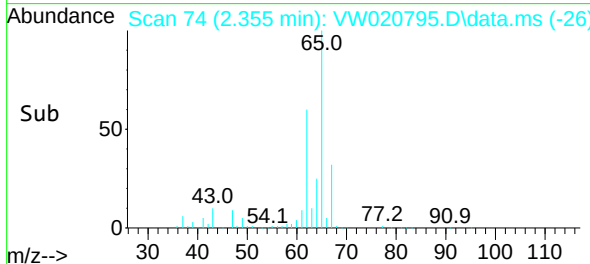
Instrument :
 MSVOA_W
 ClientSampleId :
 GB7K9



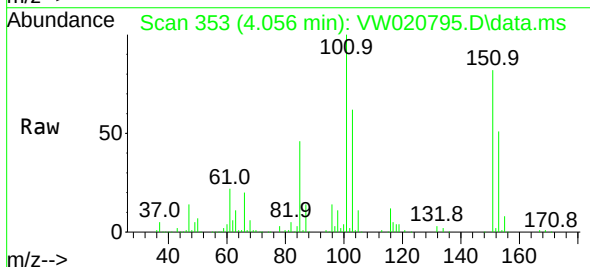
Tgt Ion: 62 Resp: 1932
 Ion Ratio Lower Upper
 62 100
 64 42.2 24.4 45.2

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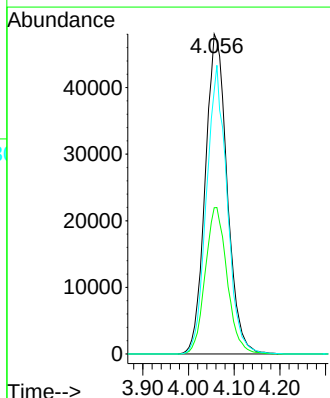
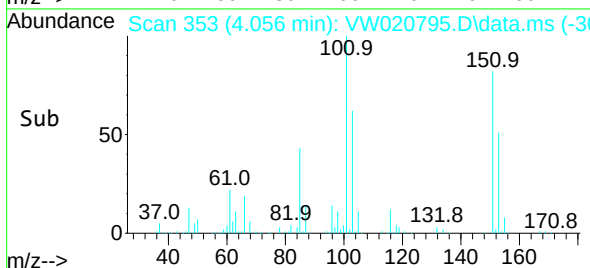
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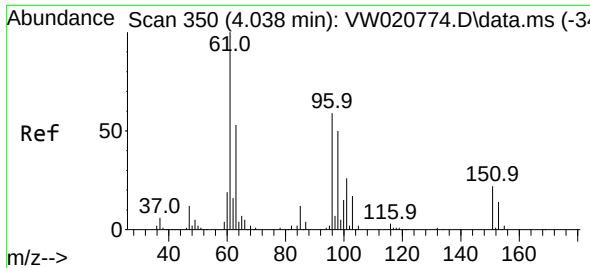


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 77.228 ug/L
 RT: 4.056 min Scan# 353
 Delta R.T. -0.012 min
 Lab File: VW020795.D
 Acq: 05 Nov 2021 21:37



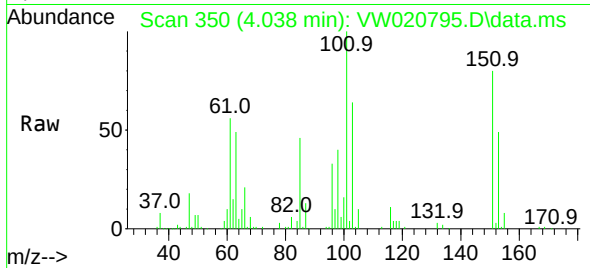
Tgt Ion:101 Resp: 160019
 Ion Ratio Lower Upper
 101 100
 85 45.7 36.6 54.8
 151 84.6 57.4 86.0





#12
1,1-Dichloroethene
Concen: 13.555 ug/L
RT: 4.038 min Scan# 350
Delta R.T. 0.000 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37

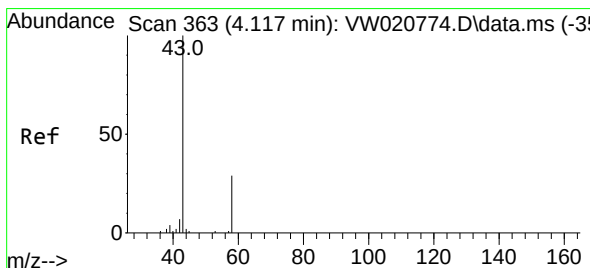
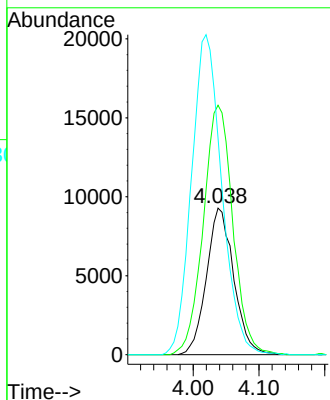
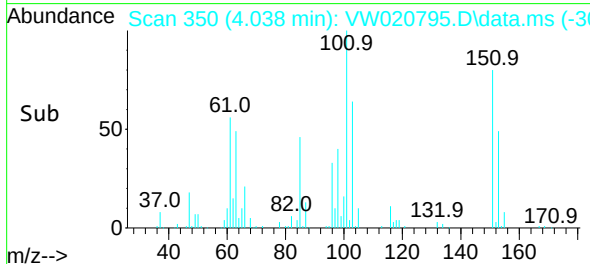
Instrument :
MSVOA_W
ClientSampleId :
GB7K9



Tgt Ion: 96 Resp: 26760
Ion Ratio Lower Upper
96 100
61 170.1 138.3 256.9
63 147.7 82.6 153.4

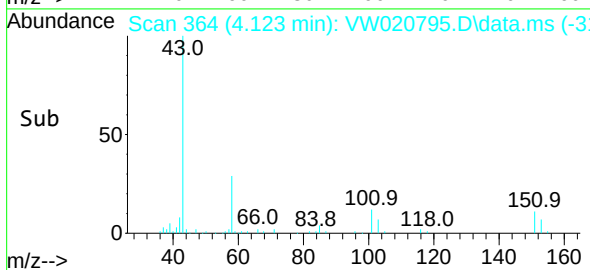
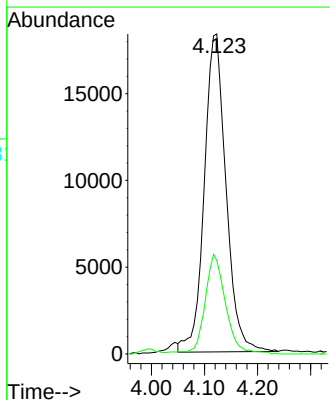
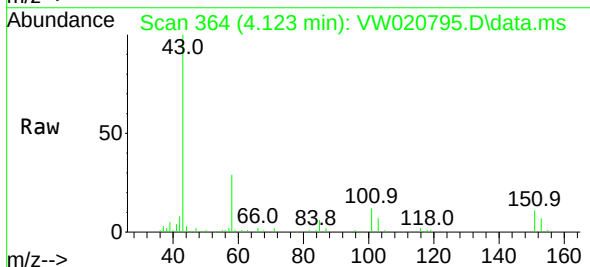
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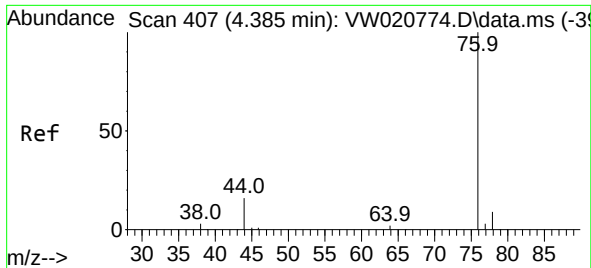
Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/10/2021



#13
Acetone
Concen: 117.912 ug/L
RT: 4.123 min Scan# 364
Delta R.T. 0.000 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37

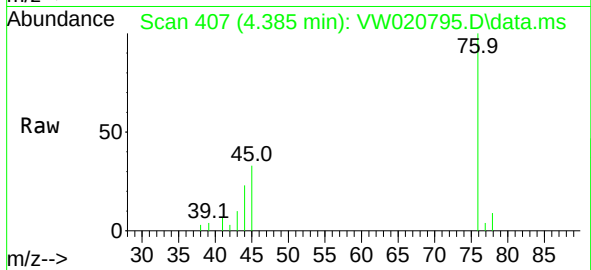
Tgt Ion: 43 Resp: 52217
Ion Ratio Lower Upper
43 100
58 29.8 0.0 52.8





#14
Carbon disulfide
Concen: 1.034 ug/L
RT: 4.385 min Scan# 407
Delta R.T. 0.000 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37

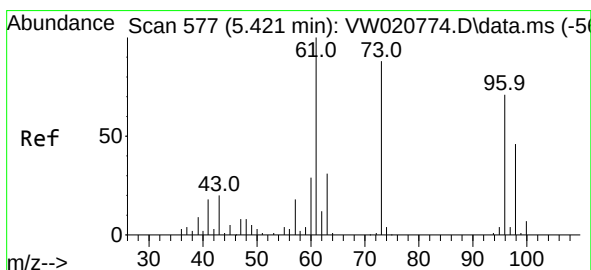
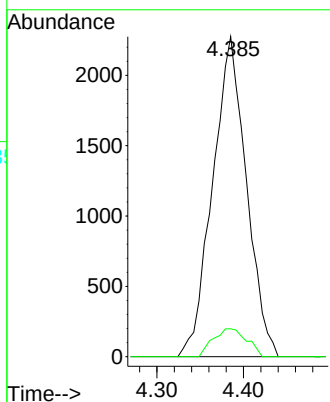
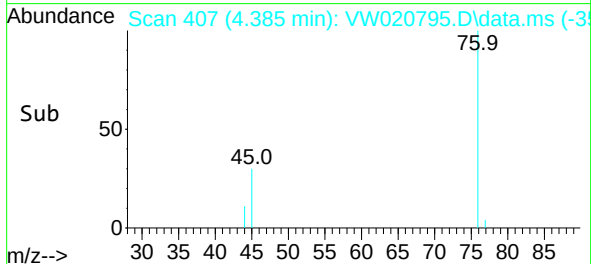
Instrument :
MSVOA_W
ClientSampleId :
GB7K9



Tgt Ion: 76 Resp: 616
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7

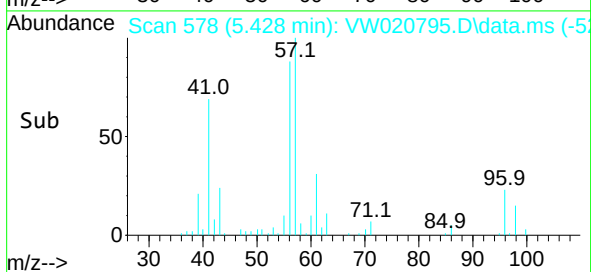
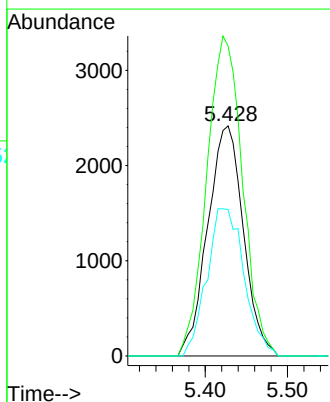
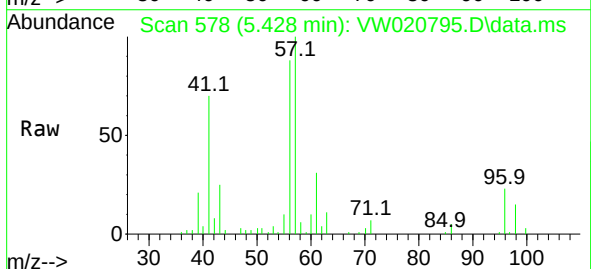
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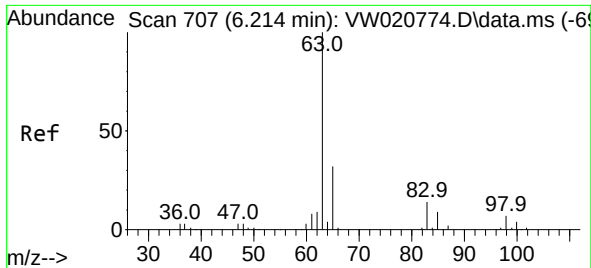
Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/10/2021



#17
trans-1,2-Dichloroethene
Concen: 3.480 ug/L
RT: 5.428 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37

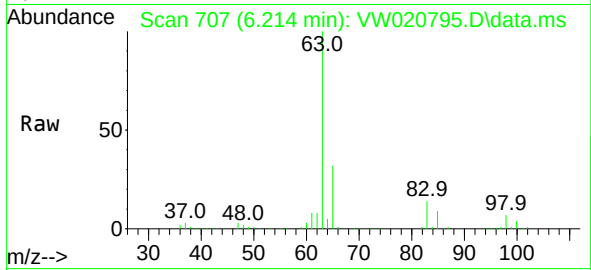
Tgt Ion: 96 Resp: 7305
Ion Ratio Lower Upper
96 100
61 134.6 107.4 199.4
98 63.6 41.2 76.6





#19
1,1-Dichloroethane
Concen: 128.605 ug/L
RT: 6.214 min Scan# 707
Delta R.T. -0.006 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37

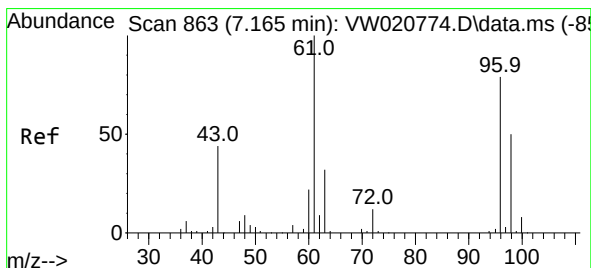
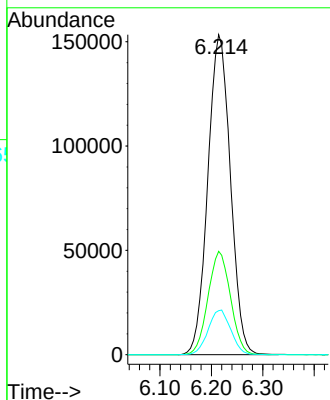
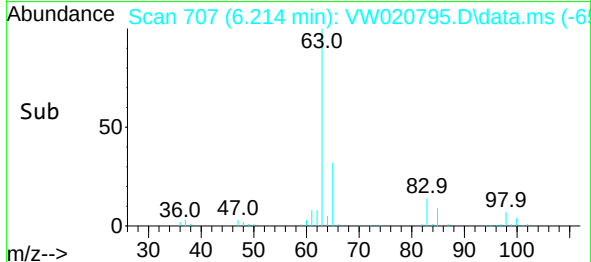
Instrument :
MSVOA_W
ClientSampleId :
GB7K9



Tgt Ion: 63 Resp: 467520
Ion Ratio Lower Upper
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65 32.3 22.1 41.1
83 13.8 9.2 17.2

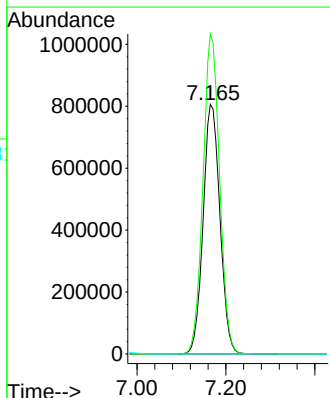
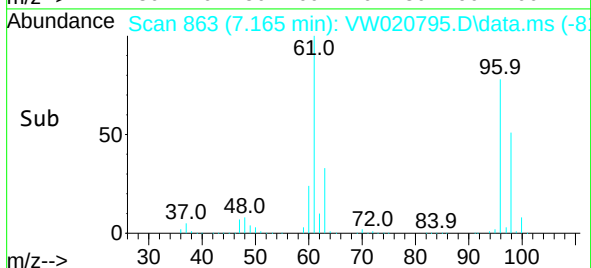
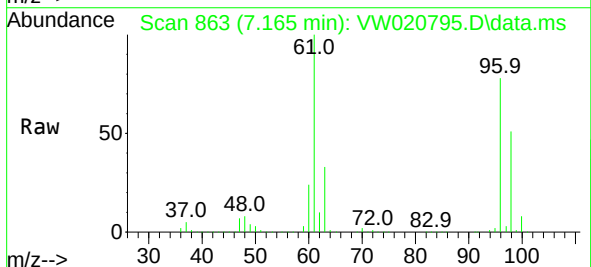
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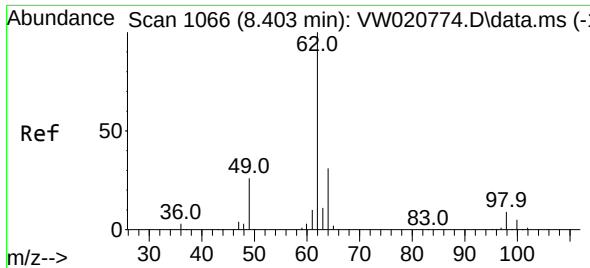
Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/10/2021



#20
cis-1,2-Dichloroethene
Concen: 960.127 ug/L
RT: 7.165 min Scan# 863
Delta R.T. -0.006 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37

Tgt Ion: 96 Resp: 2124459
Ion Ratio Lower Upper
96 100
61 128.2 103.7 192.7
68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 2.030 ug/L

RT: 8.397 min Scan# 1066

Delta R.T. -0.006 min

Lab File: VW020795.D

Acq: 05 Nov 2021 21:37

Instrument :

MSVOA_W

ClientSampleId :

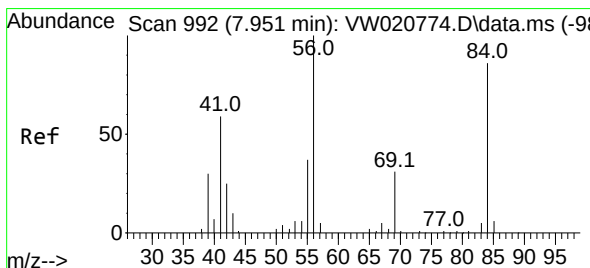
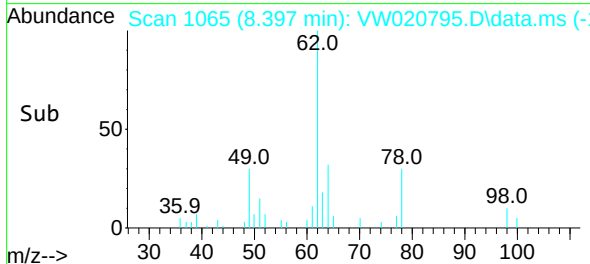
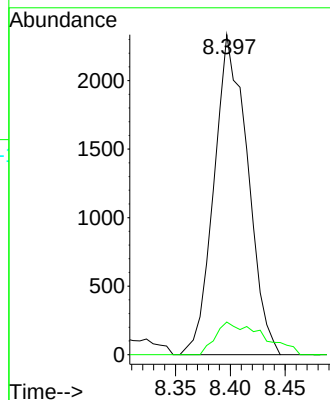
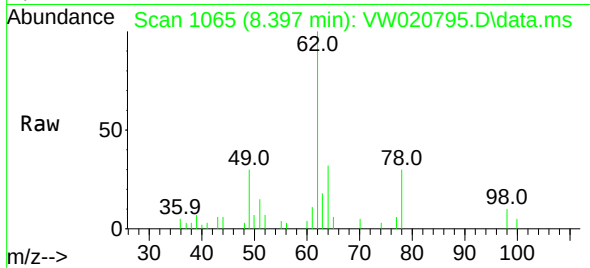
GB7K9

Tgt Ion: 62 Resp: 4974
 Ion Ratio Lower Upper
 62 100
 98 10.2 6.5 9.75

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#29

Cyclohexane

Concen: 25.314 ug/L

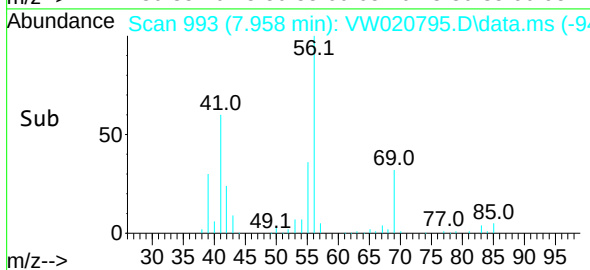
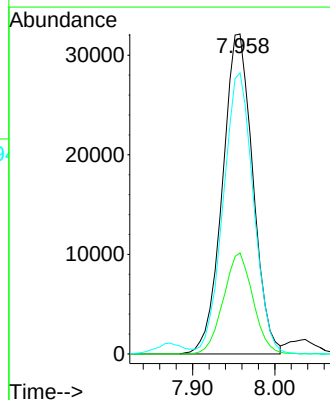
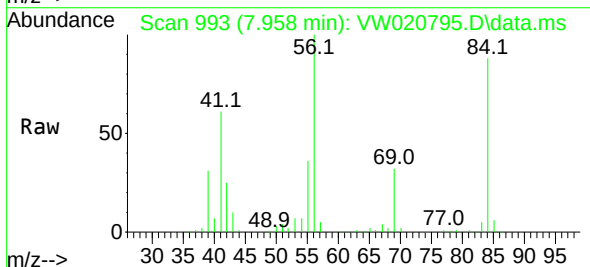
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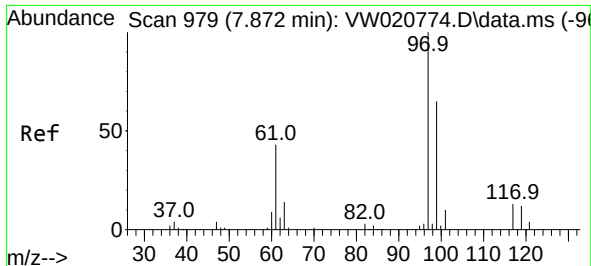
Delta R.T. 0.000 min

Lab File: VW020795.D

Acq: 05 Nov 2021 21:37

Tgt Ion: 56 Resp: 82543
 Ion Ratio Lower Upper
 56 100
 69 30.7 23.5 35.3
 84 87.3 63.4 95.2





#30

1,1,1-Trichloroethane

Concen: 46.540 ug/L

RT: 7.872 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW020795.D

Acq: 05 Nov 2021 21:37

Instrument :

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ClientSampleId :

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Tgt Ion: 97 Resp: 138224

Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

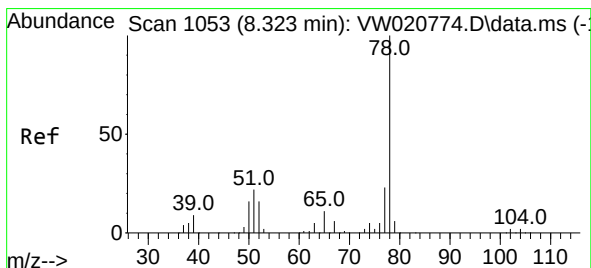
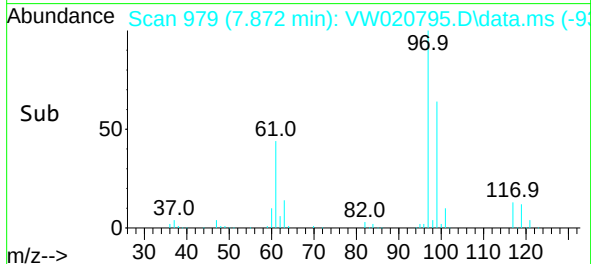
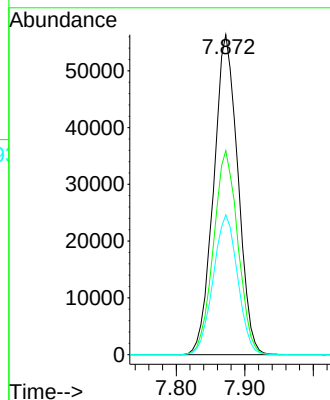
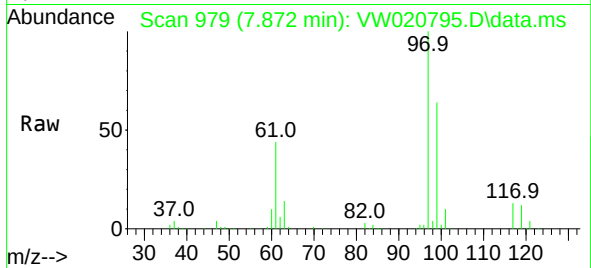
61 44.2 40.9 61.3

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#33

Benzene

Concen: 2.632 ug/L

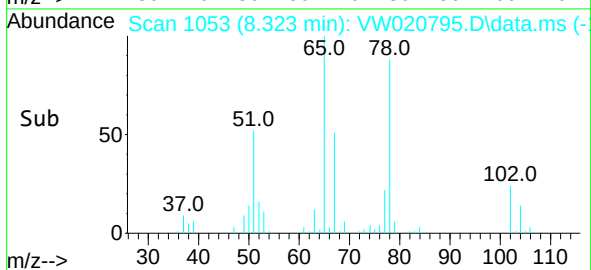
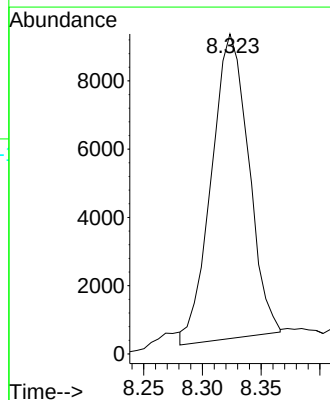
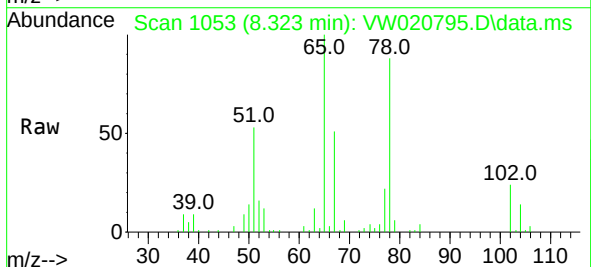
RT: 8.323 min Scan# 1053

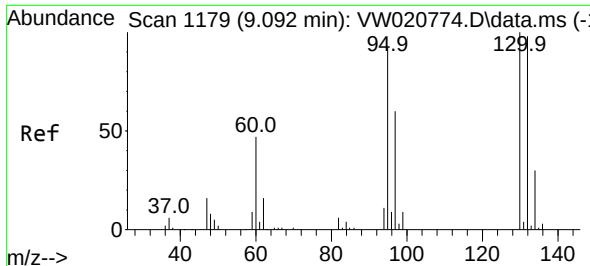
Delta R.T. 0.000 min

Lab File: VW020795.D

Acq: 05 Nov 2021 21:37

Tgt Ion: 78 Resp: 19703





#34

Trichloroethene

Concen: 15.439 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW020795.D

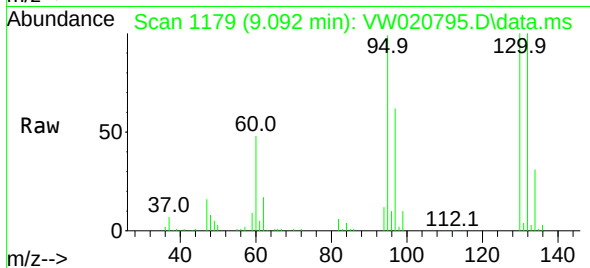
Acq: 05 Nov 2021 21:37

Instrument :

MSVOA_W

ClientSampleId :

GB7K9



Tgt Ion: 95 Resp: 3076

Ion Ratio Lower Upper

95 100

97 63.1 47.0 87.2

132 100.8 65.5 121.6

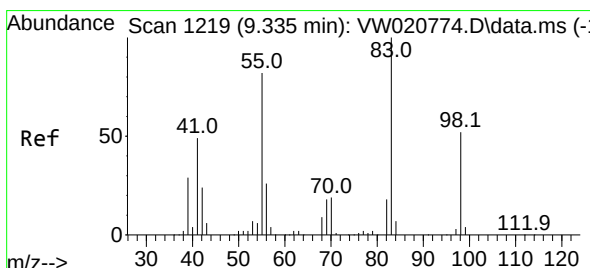
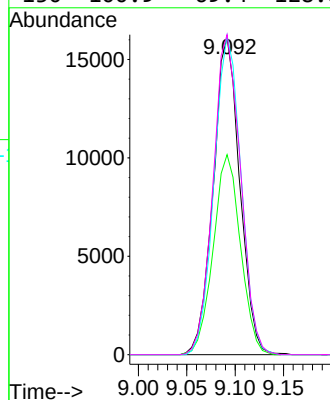
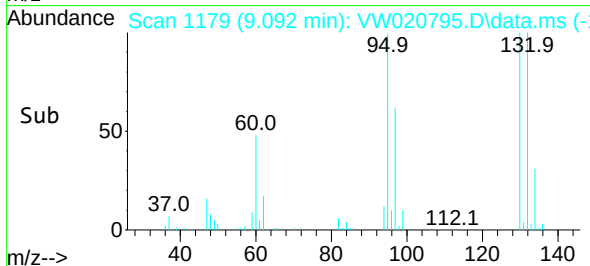
130 100.9 69.4 128.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/08/2021

Supervised By :Mahesh Dadoda 11/10/2021



#35

Methylcyclohexane

Concen: 5.238 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW020795.D

Acq: 05 Nov 2021 21:37

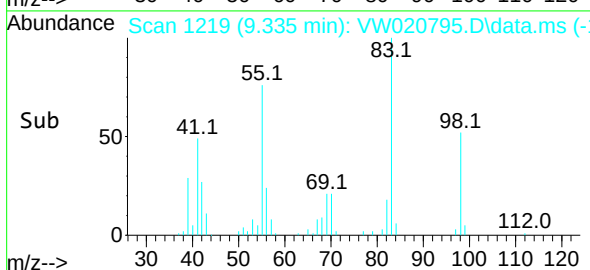
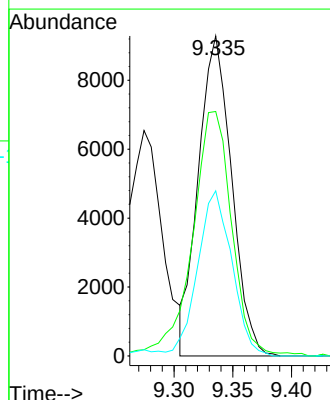
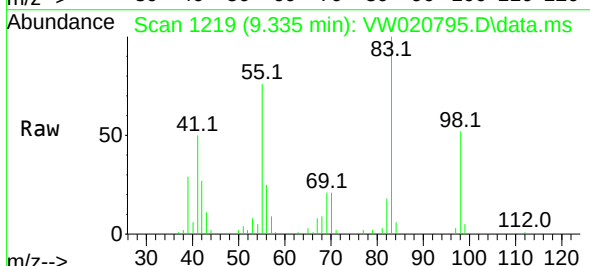
Tgt Ion: 83 Resp: 18211

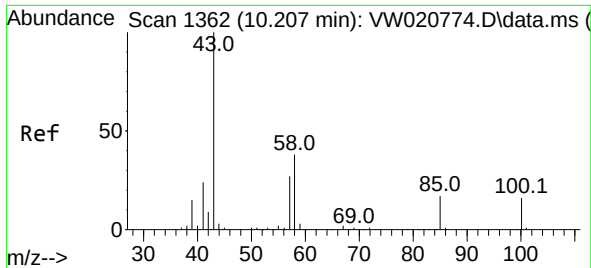
Ion Ratio Lower Upper

83 100

55 90.5 70.8 106.2

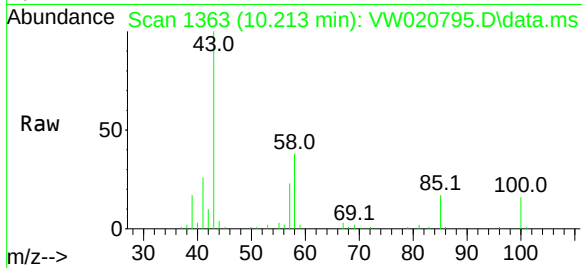
98 53.1 37.7 56.5





#40
4-Methyl-2-pentanone
Concen: 18.722 ug/L
RT: 10.213 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37

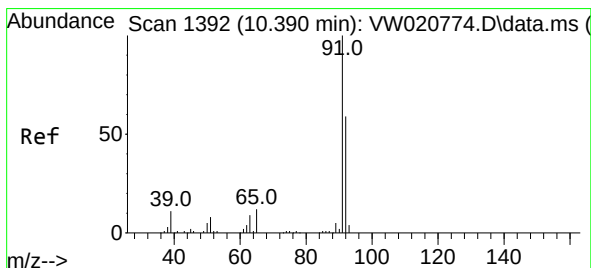
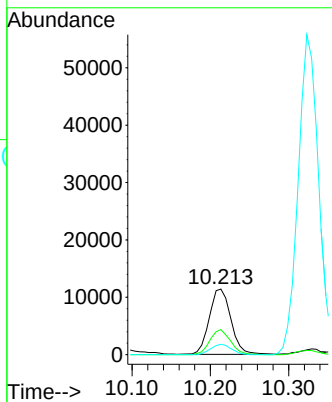
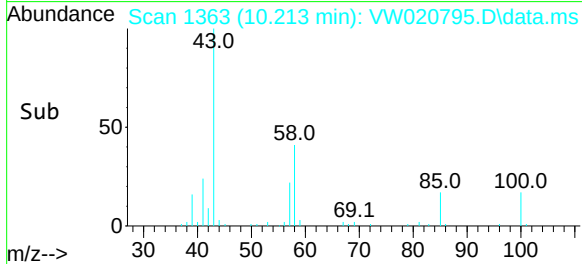
Instrument :
MSVOA_W
ClientSampleId :
GB7K9



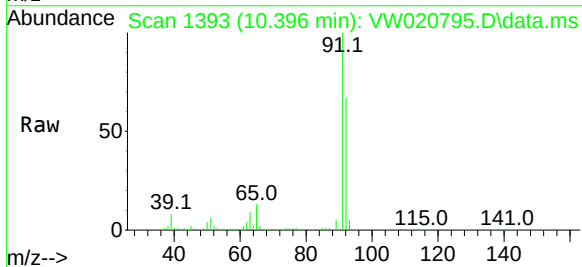
Tgt Ion: 43 Resp: 21684
Ion Ratio Lower Upper
43 100
58 36.9 28.8 43.2
100 15.3 10.0 15.0

Manual Integrations
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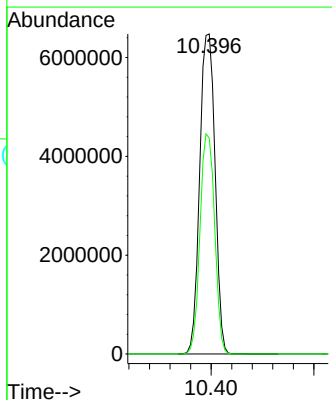
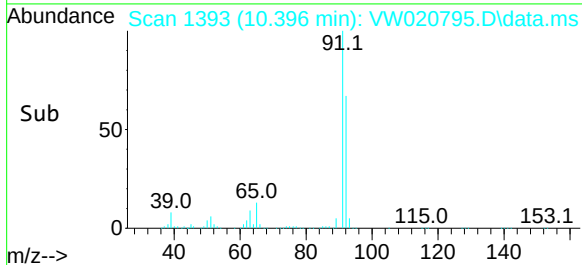
Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/10/2021

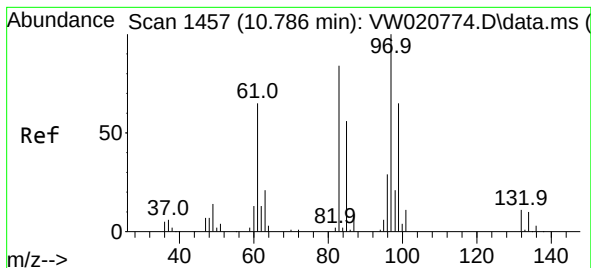


#42
Toluene
Concen: 1664.122 ug/L
RT: 10.396 min Scan# 1393
Delta R.T. 0.006 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37



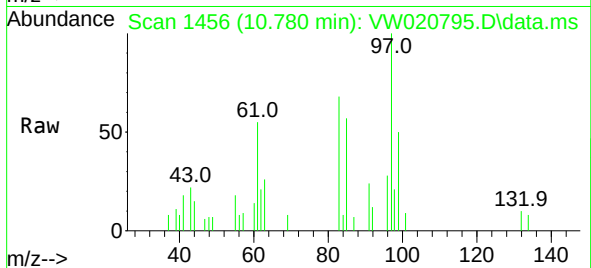
Tgt Ion: 91 Resp:13394274
Ion Ratio Lower Upper
91 100
92 67.4 41.7 77.5





#45
1,1,2-Trichloroethane
Concen: 1.683 ug/L
RT: 10.780 min Scan# 1457
Delta R.T. -0.006 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37

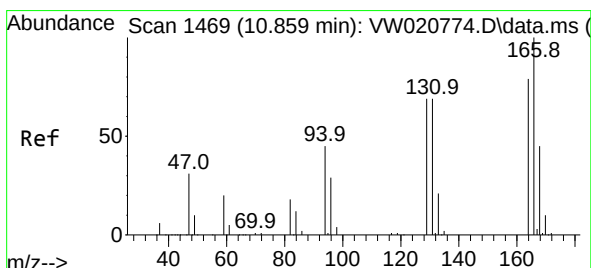
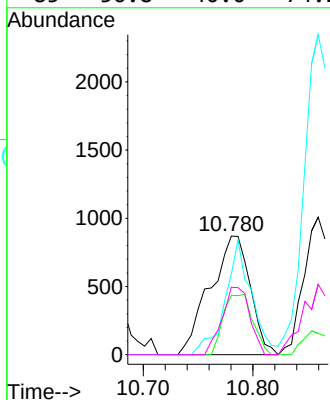
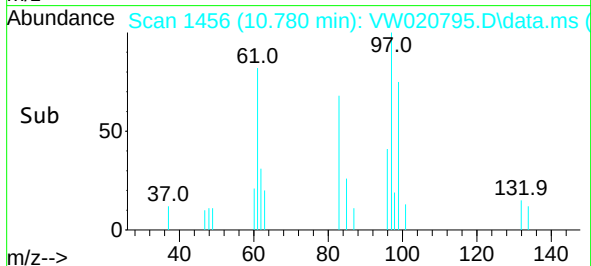
Instrument :
MSVOA_W
ClientSampleId :
GB7K9



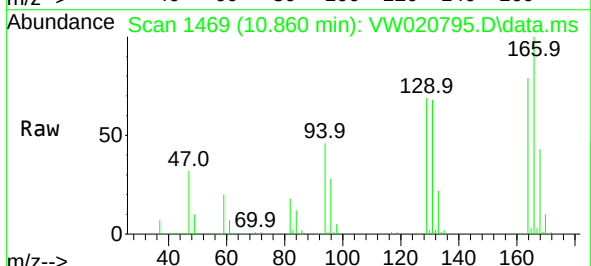
Tgt Ion	Ratio	Lower	Upper
97	100		
99	50.1	43.0	79.8
83	68.2	62.6	116.3
85	56.8	40.0	74.2

Manual Integrations
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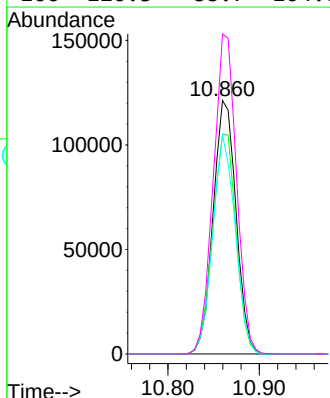
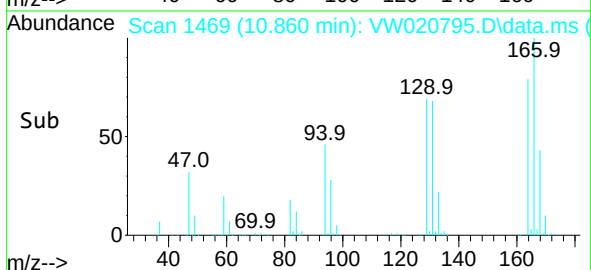
Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/10/2021

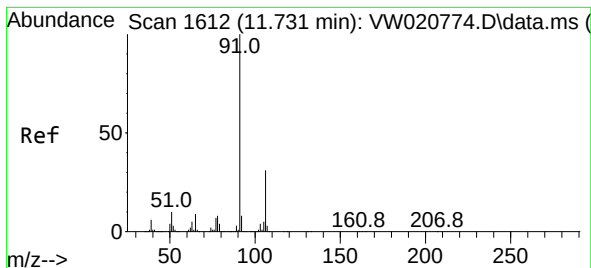


#46
Tetrachloroethene
Concen: 118.381 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37



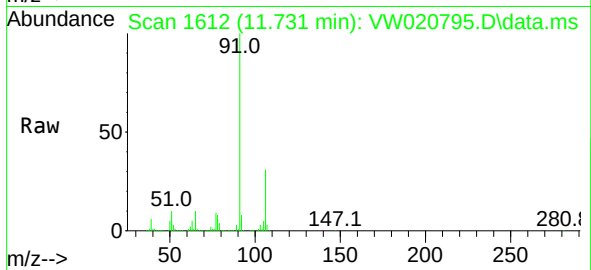
Tgt Ion	Ratio	Lower	Upper
164	100		
129	86.6	65.5	121.7
131	86.4	59.7	110.9
166	126.3	88.7	164.7





#52
Ethylbenzene
Concen: 53.446 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37

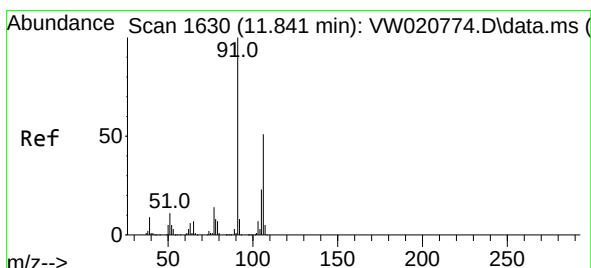
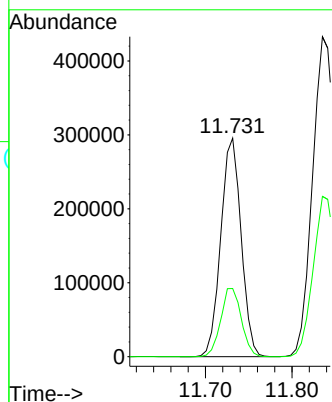
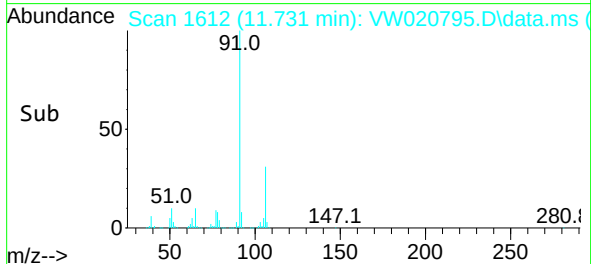
Instrument :
MSVOA_W
ClientSampleId :
GB7K9



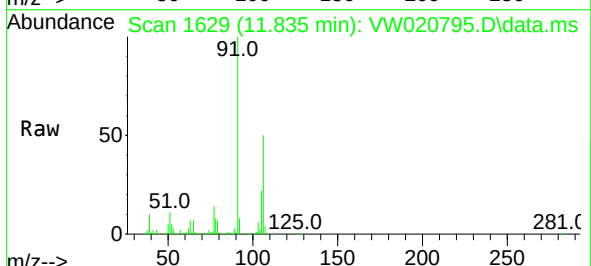
Tgt Ion: 91 Resp: 481978
Ion Ratio Lower Upper
91 100
106 31.2 21.5 39.9

Manual Integrations
APPROVED

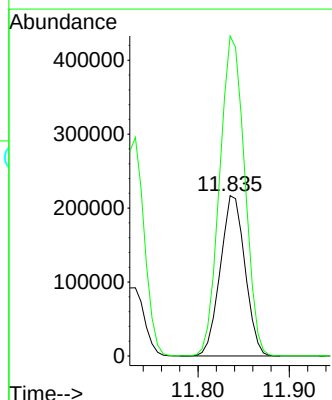
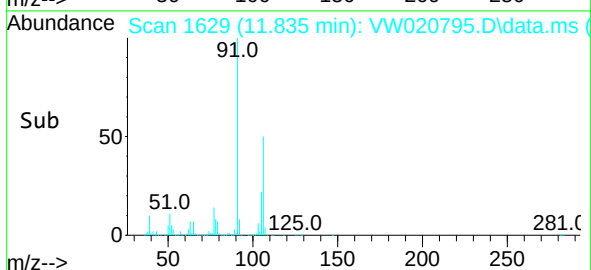
Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/10/2021

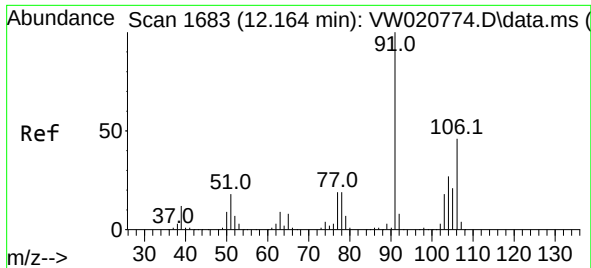


#53
m,p-Xylene
Concen: 112.690 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37



Tgt Ion:106 Resp: 407167
Ion Ratio Lower Upper
106 100
91 199.5 149.9 278.3





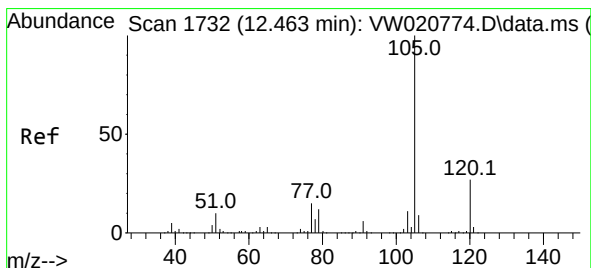
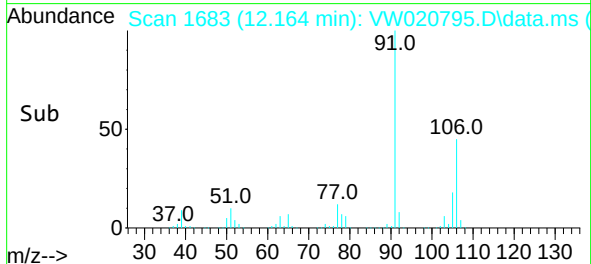
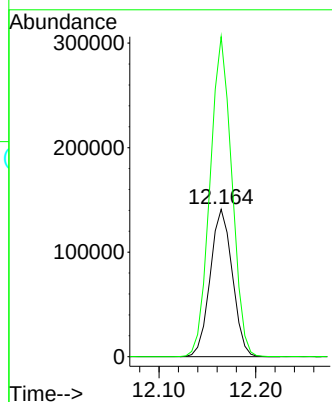
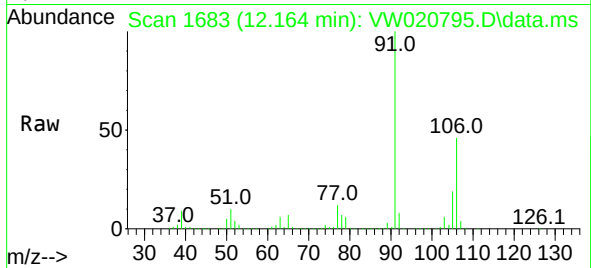
#54
o-Xylene
Concen: 65.543 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37

Instrument :
MSVOA_W
ClientSampleId :
GB7K9

Tgt Ion:106 Resp: 224329
Ion Ratio Lower Upper
106 100
91 217.1 153.6 285.3

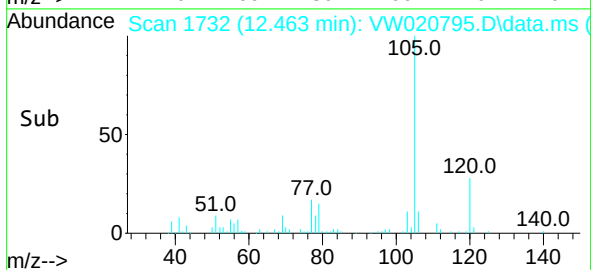
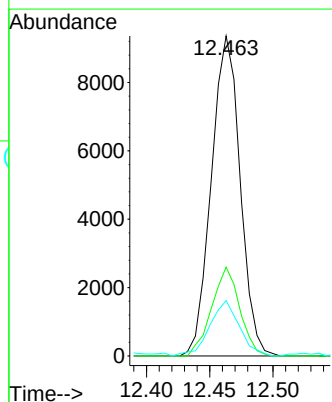
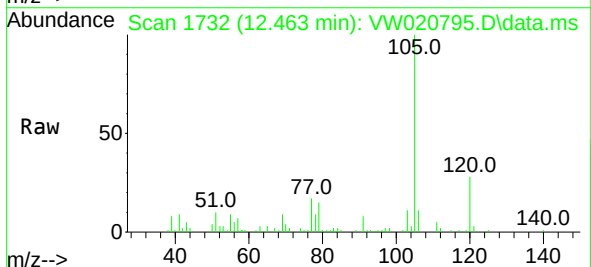
Manual Integrations
APPROVED

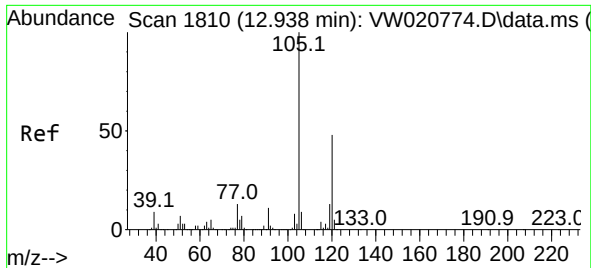
Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/10/2021



#60
Isopropylbenzene
Concen: 2.407 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37

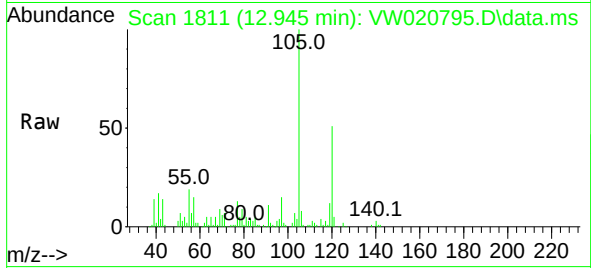
Tgt Ion:105 Resp: 14817
Ion Ratio Lower Upper
105 100
120 27.0 20.1 30.1
77 17.8 13.8 20.8





#62
1,3,5-Trimethylbenzene
Concen: 5.916 ug/L
RT: 12.945 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37

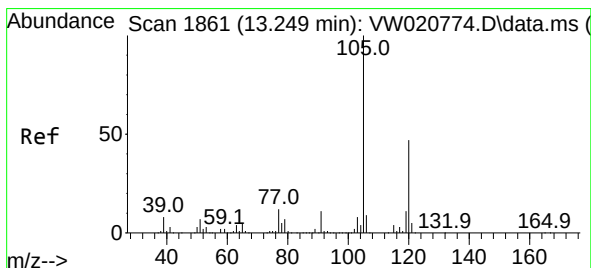
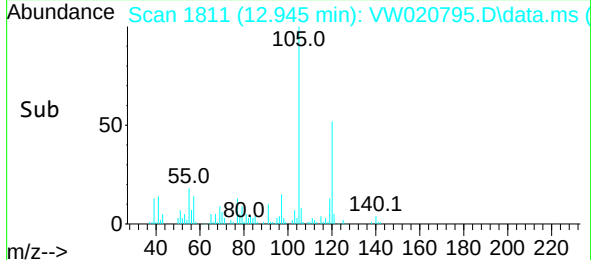
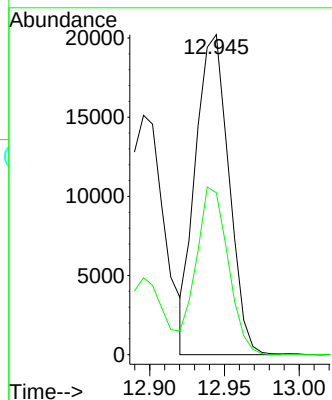
Instrument :
MSVOA_W
ClientSampleId :
GB7K9



Tgt Ion:105 Resp: 31290
Ion Ratio Lower Upper
105 100
120 50.0 37.4 56.2

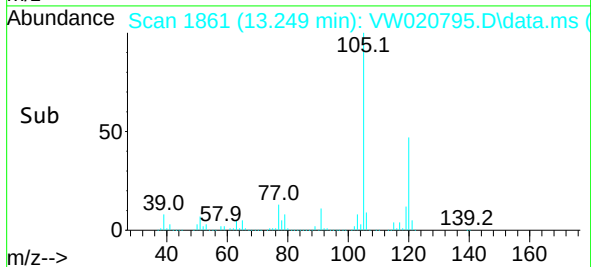
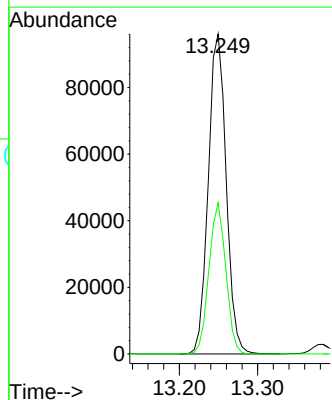
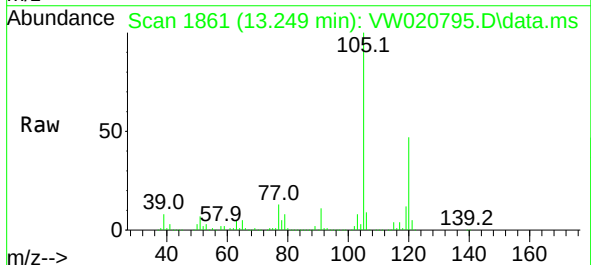
Manual Integrations
APPROVED

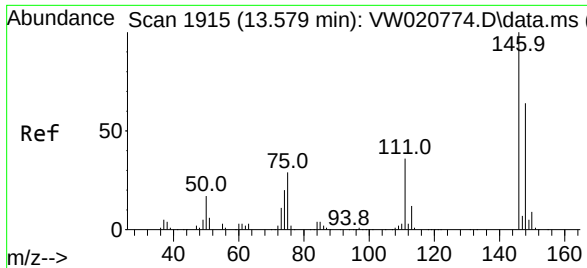
Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/10/2021



#63
1,2,4-Trimethylbenzene
Concen: 28.960 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37

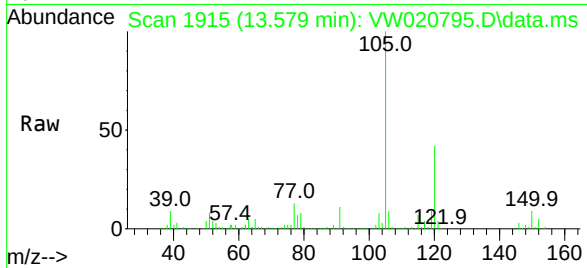
Tgt Ion:105 Resp: 152157
Ion Ratio Lower Upper
105 100
120 44.6 35.0 52.6





#65
1,4-Dichlorobenzene
Concen: 0.910 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37

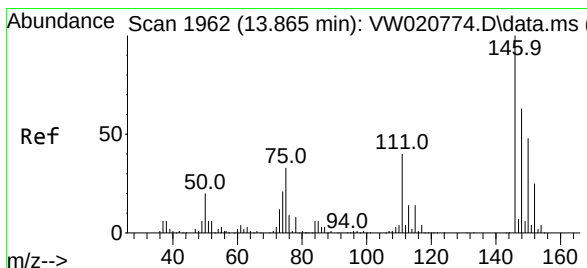
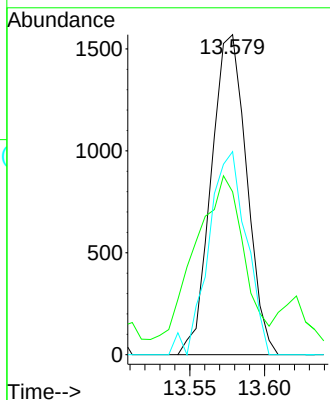
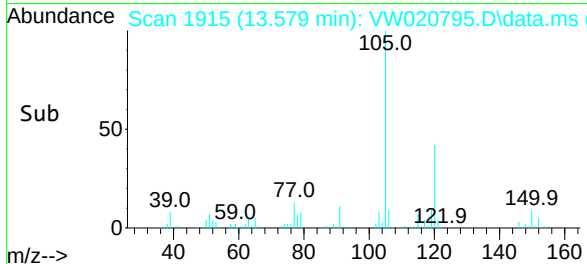
Instrument :
MSVOA_W
ClientSampleId :
GB7K9



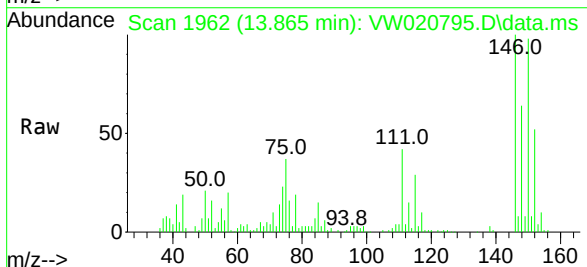
Tgt Ion:146 Resp: 258
Ion Ratio Lower Upper
146 100
111 50.9 29.0 53.9
148 63.4 46.9 87.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/08/2021
Supervised By :Mahesh Dadoda 11/10/2021



#67
1,2-Dichlorobenzene
Concen: 13.402 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VW020795.D
Acq: 05 Nov 2021 21:37



Tgt Ion:146 Resp: 33783
Ion Ratio Lower Upper
146 100
111 42.0 33.1 49.7
148 64.3 47.4 71.2

