

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
 Data File : VW021030.D
 Acq On : 02 Dec 2021 07:29
 Operator : SY/VA
 Sample : M4881-18
 Misc : 5.00g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW9F4

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/03/2021
 Supervised By : Amit Patel 12/07/2021

Quant Time: Dec 03 00:23:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 02 07:10:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	80815	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	36569	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	4792	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	20484	21.852	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	87.400%		
7) Chloroethane-d5	2.885	69	15629	25.851	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	103.400%		
11) 1,1-Dichloroethene-d2	4.019	63	23962	13.212	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	52.840%		
21) 2-Butanone-d5	7.080	46	10782	46.081	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	92.160%		
24) Chloroform-d	7.647	84	49237	24.180	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	96.720%		
26) 1,2-Dichloroethane-d4	8.305	65	23488	22.725	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	90.880%		
32) Benzene-d6	8.275	84	81792	42.437	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	169.760%#		
36) 1,2-Dichloropropane-d6	9.275	67	26281	47.885	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	191.520%#		
41) Toluene-d8	10.323	98	56258	29.408	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	117.640%		
43) trans-1,3-Dichloroprop...	10.579	79	5034	19.405	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	77.640%		
47) 2-Hexanone-d5	10.927	63	6590	72.397	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	144.800%#		
56) 1,1,2,2-Tetrachloroeth...	12.689	84	14044	33.403	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	133.600%#		
66) 1,2-Dichlorobenzene-d4	13.853	152	3956	23.162	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	92.640%		
Target Compounds						
						Qvalue
13) Acetone	4.135	43	1988m	9.516	ug/L	
16) Methylene chloride	4.916	84	5338	4.736	ug/L	81
27) 1,2-Dichloroethane	8.397	62	4275	3.572	ug/L	97
29) Cyclohexane	7.964	56	422m	0.518	ug/L	
34) Trichloroethene	9.092	95	4910	8.478	ug/L	85
35) Methylcyclohexane	9.342	83	1436	1.504	ug/L	# 92
42) Toluene	10.384	91	8240	3.538	ug/L	91
46) Tetrachloroethene	10.860	164	4612	8.673	ug/L	96
52) Ethylbenzene	11.731	91	7833	3.035	ug/L	97
53) m,p-Xylene	11.829	106	11930	11.323	ug/L	82
54) o-Xylene	12.164	106	3424	3.384	ug/L	99
60) Isopropylbenzene	12.469	105	361	0.553	ug/L	# 80
62) 1,3,5-Trimethylbenzene	12.945	105	334	0.607	ug/L	# 74
63) 1,2,4-Trimethylbenzene	13.243	105	938	1.727	ug/L	# 82

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

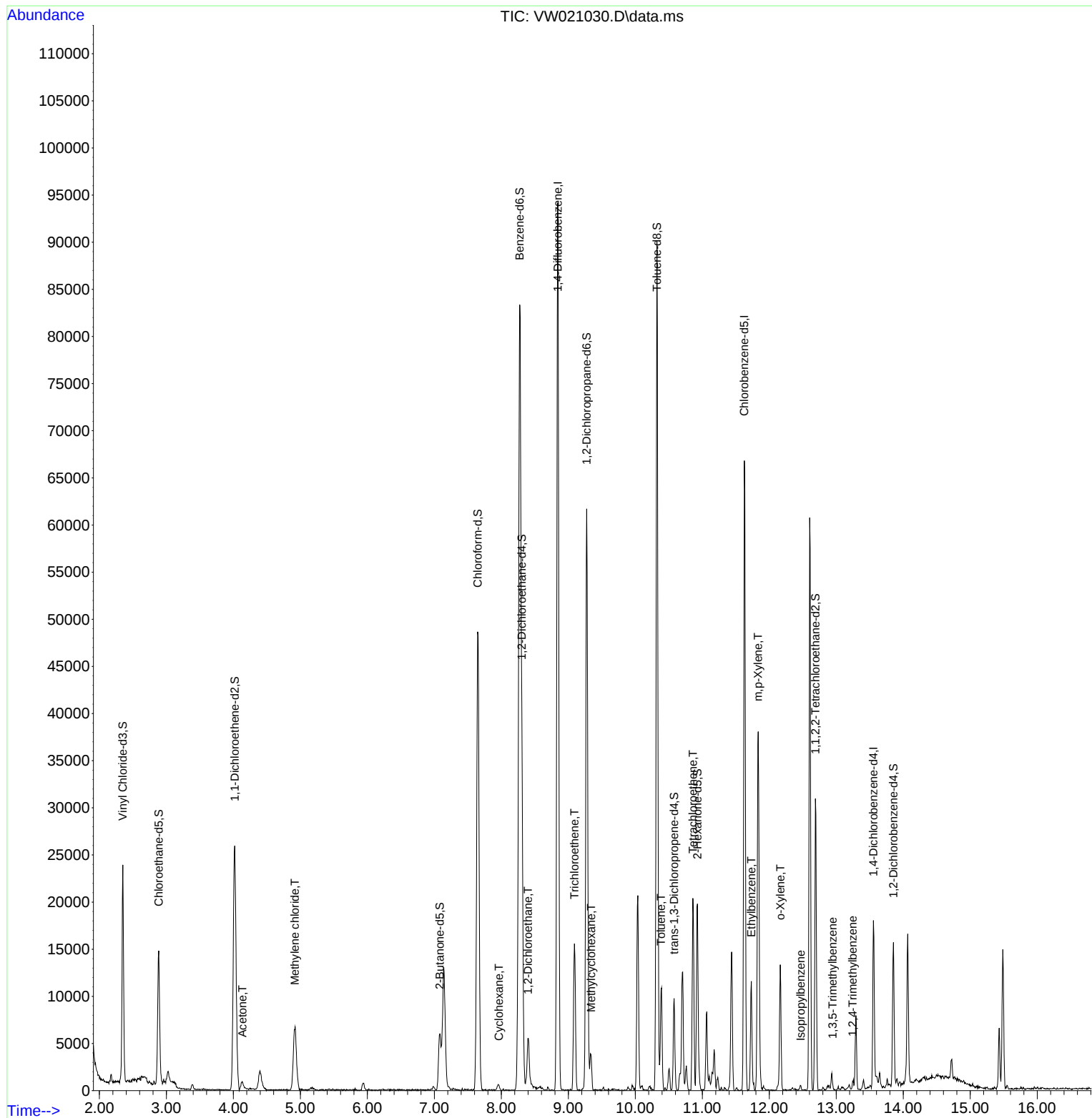
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021030.D
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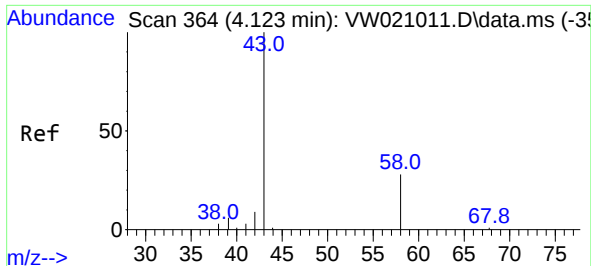
Instrument :
MSVOA_W
ClientSampleId :
EW9F4

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Quant Time: Dec 03 00:23:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 02 07:10:34 2021
Response via : Initial Calibration





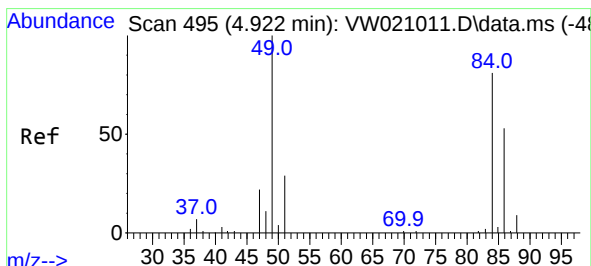
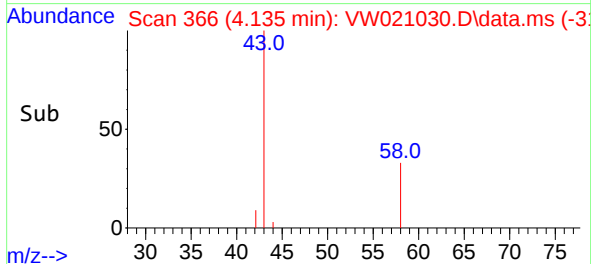
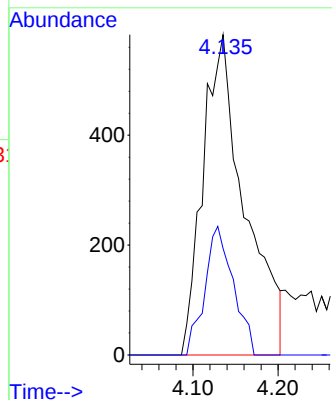
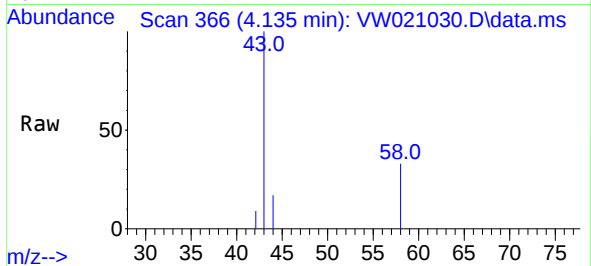
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Acetone
Concen: 9.516 ug/L m
RT: 4.135 min Scan# 30
Delta R.T. 0.012 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

Instrument :
MSVOA_W
ClientSampleId :
EW9F4

Tgt Ion: 43 Resp: 198
Ion Ratio Lower Upper
43 100
58 27.4 0.0 52.8

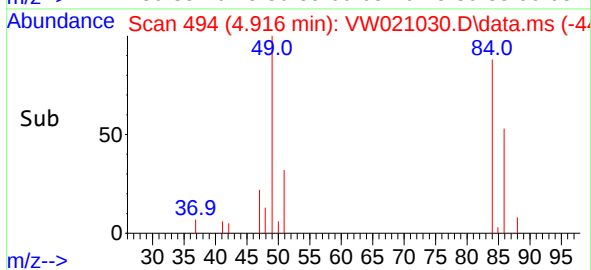
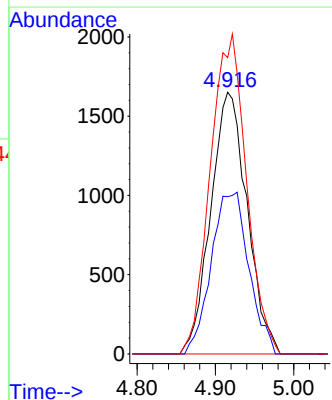
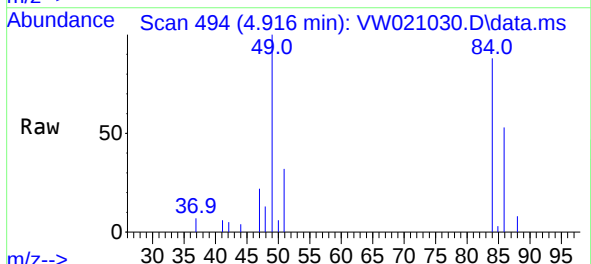
Manual Integrations
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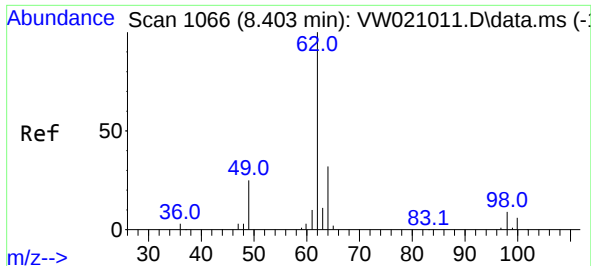
Reviewed By :Semsettin Yesilyurt 12/03/2021
Supervised By :Amit Patel 12/07/2021



#16
Methylene chloride
Concen: 4.736 ug/L
RT: 4.916 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

Tgt Ion: 84 Resp: 5338
Ion Ratio Lower Upper
84 100
86 60.1 45.5 84.5
49 113.3 100.5 186.7





#27

1,2-Dichloroethane

Concen: 3.572 ug/L

RT: 8.397 min Scan# 1066

Delta R.T. -0.006 min

Lab File: VW021030.D

Acq: 02 Dec 2021 07:29

Instrument :

MSVOA_W

ClientSampleId :

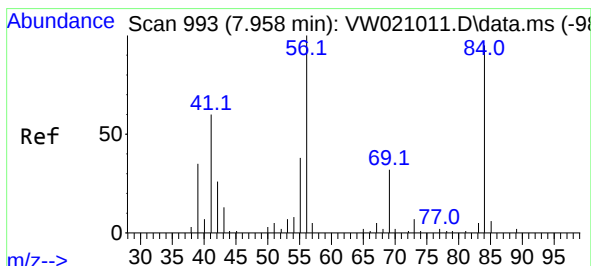
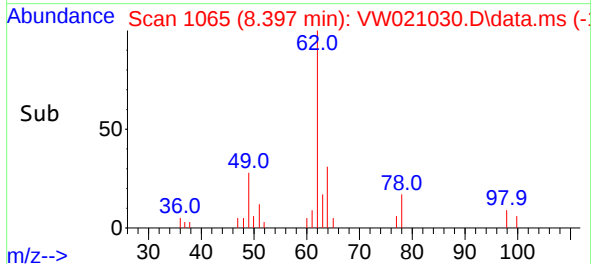
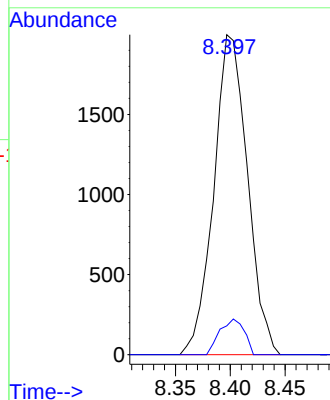
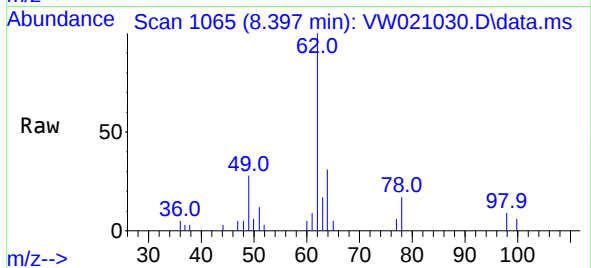
EW9F4

Tgt Ion: 62 Resp: 427
 Ion Ratio Lower Upper
 62 100
 98 9.0 6.5 9.7

Manual Integrations

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 Supervised By :Amit Patel 12/07/2021



#29

Cyclohexane

Concen: 0.518 ug/L m

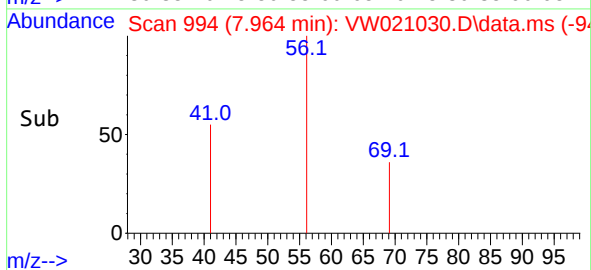
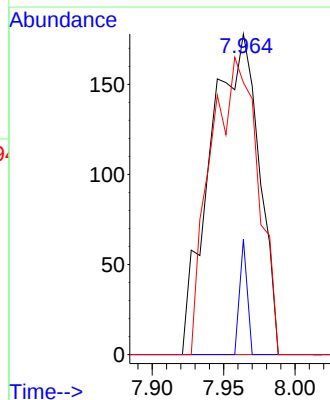
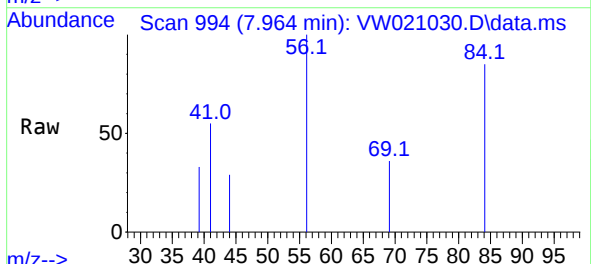
RT: 7.964 min Scan# 994

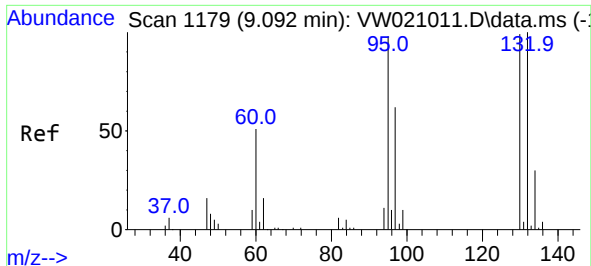
Delta R.T. 0.006 min

Lab File: VW021030.D

Acq: 02 Dec 2021 07:29

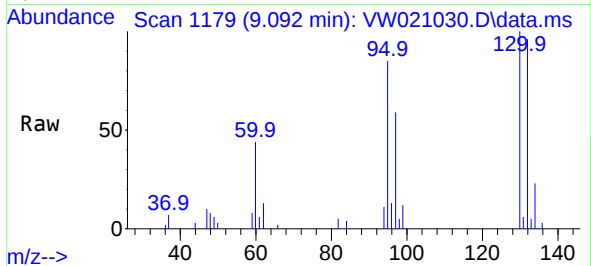
Tgt Ion: 56 Resp: 422
 Ion Ratio Lower Upper
 56 100
 69 0.0 23.5 35.3#
 84 90.3 63.4 95.2





#34
Trichloroethene
Concen: 8.478 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

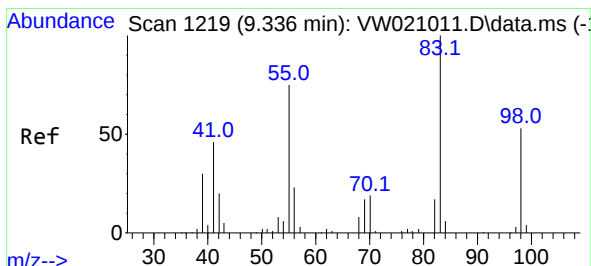
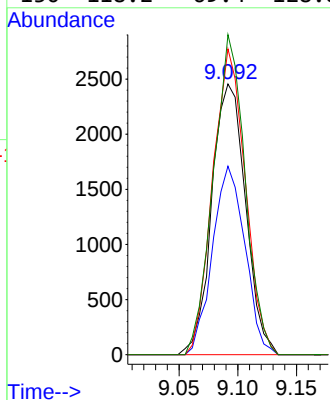
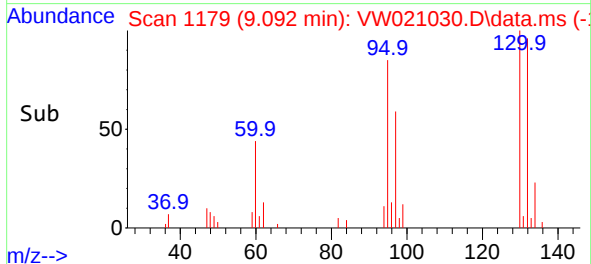
Instrument :
MSVOA_W
ClientSampleId :
EW9F4



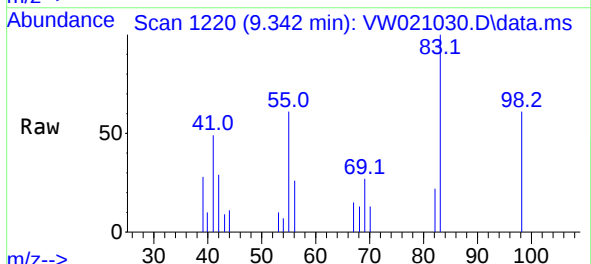
Tgt Ion: 95 Resp: 4910
Ion Ratio Lower Upper
95 100
97 69.6 47.0 87.2
132 112.9 65.5 121.6
130 118.2 69.4 128.8

Manual Integrations
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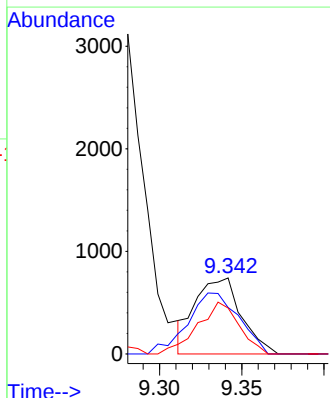
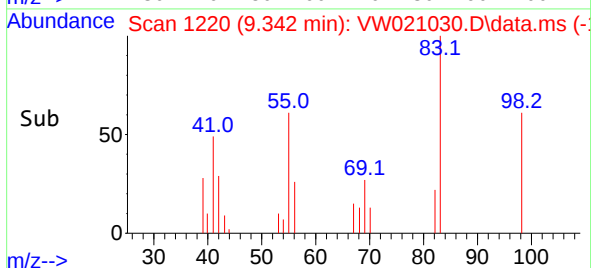
Reviewed By :Semsettin Yesilyurt 12/03/2021
Supervised By :Amit Patel 12/07/2021

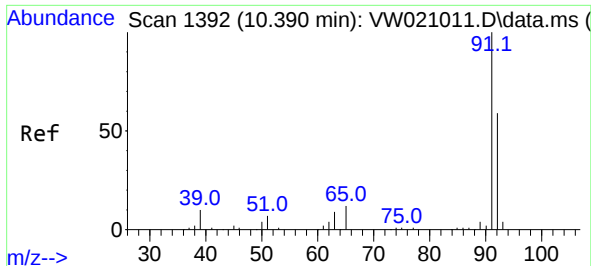


#35
Methylcyclohexane
Concen: 1.504 ug/L
RT: 9.342 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29



Tgt Ion: 83 Resp: 1436
Ion Ratio Lower Upper
83 100
55 89.7 70.8 106.2
98 61.5 37.7 56.5#





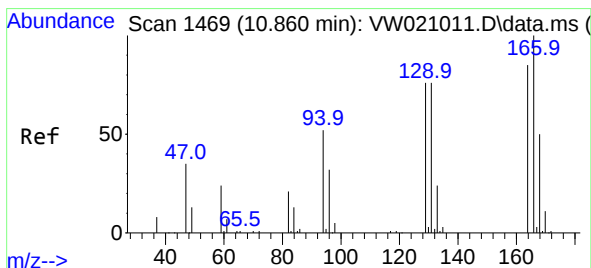
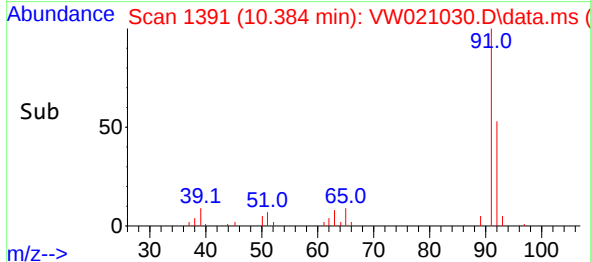
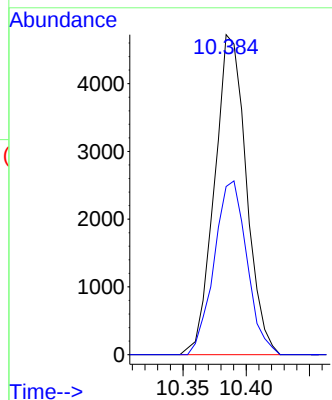
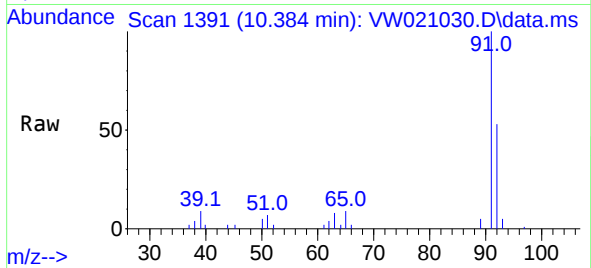
#42
Toluene
Concen: 3.538 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

Instrument :
MSVOA_W
ClientSampleId :
EW9F4

Tgt Ion: 91 Resp: 8240
Ion Ratio Lower Upper
91 100
92 52.6 41.7 77.5

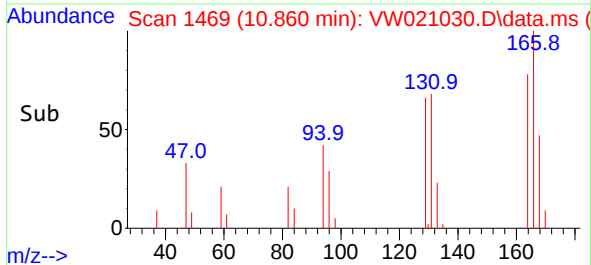
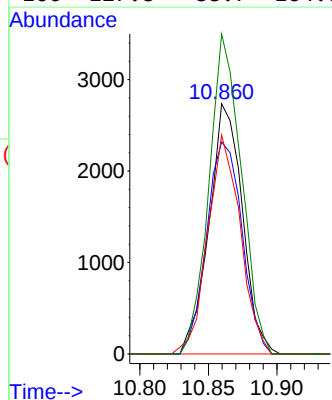
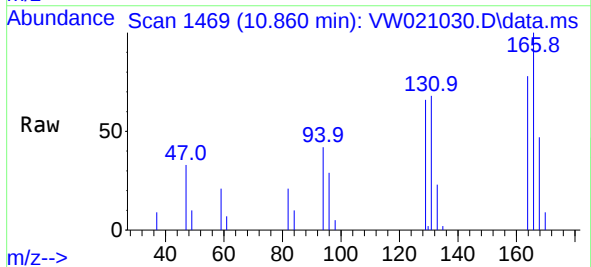
Manual Integrations
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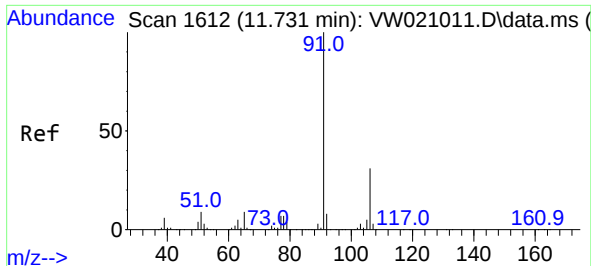
Reviewed By :Semsettin Yesilyurt 12/03/2021
Supervised By :Amit Patel 12/07/2021



#46
Tetrachloroethene
Concen: 8.673 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

Tgt Ion:164 Resp: 4612
Ion Ratio Lower Upper
164 100
129 84.7 65.5 121.7
131 87.5 59.7 110.9
166 127.8 88.7 164.7





#52

Ethylbenzene

Concen: 3.035 ug/L

RT: 11.731 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021030.D

Acq: 02 Dec 2021 07:29

Instrument :

MSVOA_W

ClientSampleId :

EW9F4

Tgt Ion: 91 Resp: 783

Ion Ratio Lower Upper

91 100

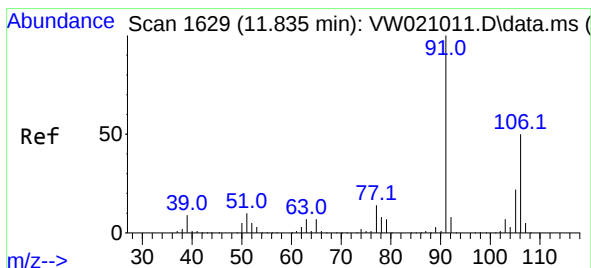
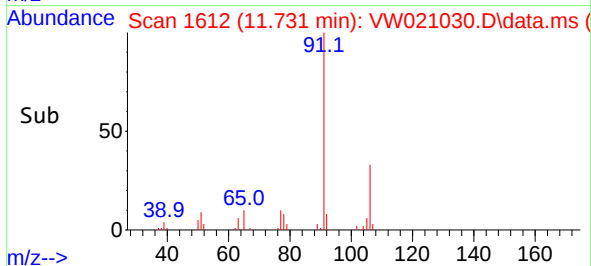
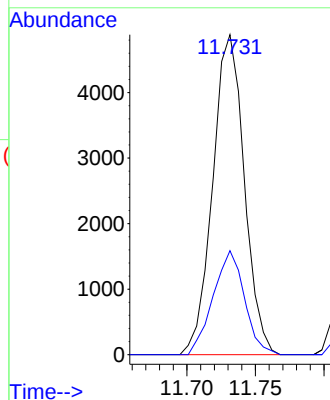
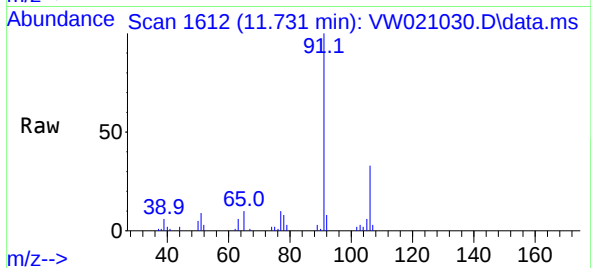
106 32.5 21.5 39.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2021

Supervised By :Amit Patel 12/07/2021



#53

m,p-Xylene

Concen: 11.323 ug/L

RT: 11.829 min Scan# 1628

Delta R.T. -0.006 min

Lab File: VW021030.D

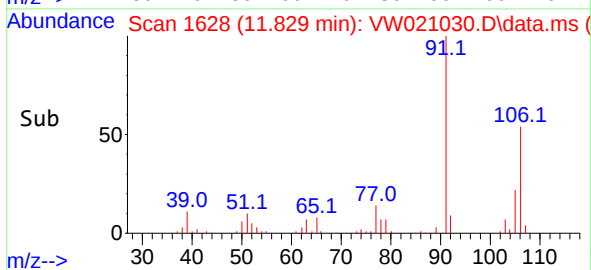
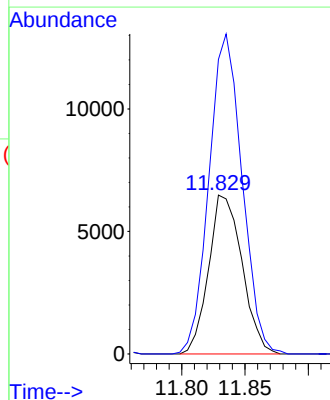
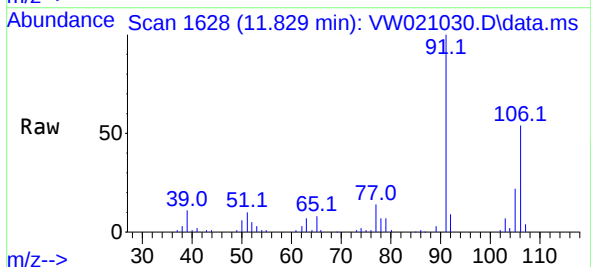
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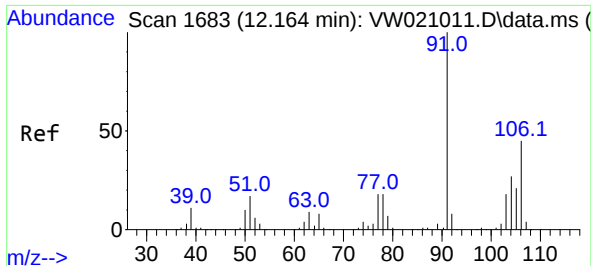
Tgt Ion:106 Resp: 11930

Ion Ratio Lower Upper

106 100

91 185.4 149.9 278.3





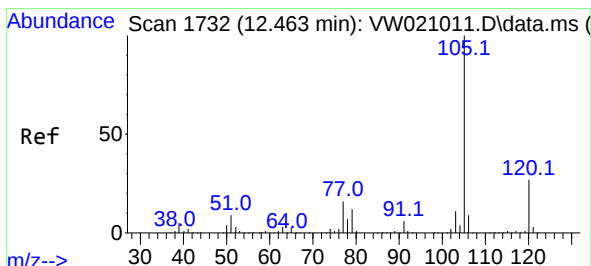
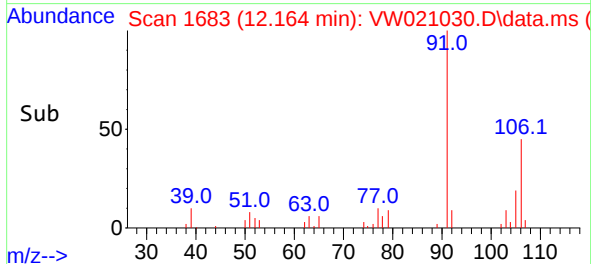
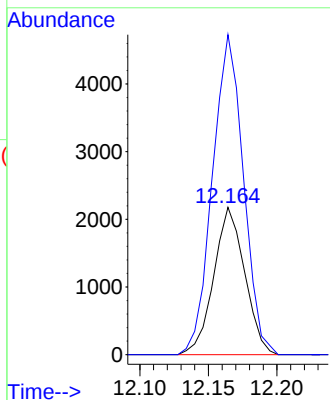
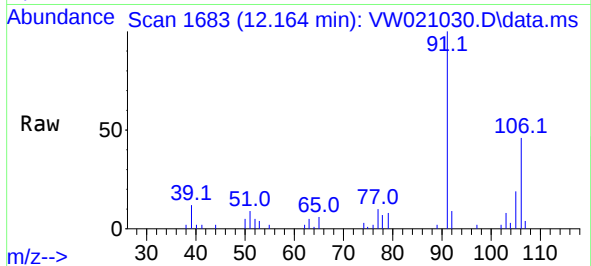
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o-Xylene
Concen: 3.384 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

Instrument :
MSVOA_W
ClientSampleId :
EW9F4

Tgt Ion:106 Resp: 3424
Ion Ratio Lower Upper
106 100
91 217.2 153.6 285.3

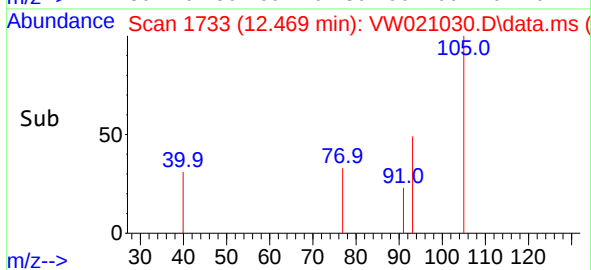
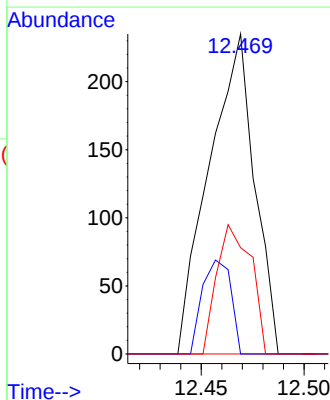
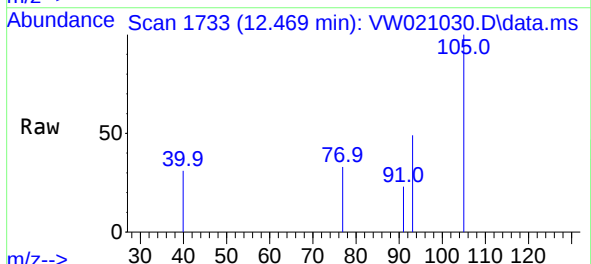
Manual Integrations
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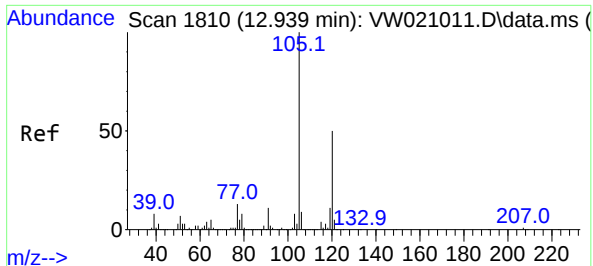
Reviewed By :Semsettin Yesilyurt 12/03/2021
Supervised By :Amit Patel 12/07/2021



#60
Isopropylbenzene
Concen: 0.553 ug/L
RT: 12.469 min Scan# 1733
Delta R.T. 0.006 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

Tgt Ion:105 Resp: 361
Ion Ratio Lower Upper
105 100
120 18.6 20.1 30.1#
77 30.5 13.8 20.8#





#62

1,3,5-Trimethylbenzene

Concen: 0.607 ug/L

RT: 12.945 min Scan# 1810

Delta R.T. 0.006 min

Lab File: VW021030.D

Acq: 02 Dec 2021 07:29

Instrument :

MSVOA_W

ClientSampleId :

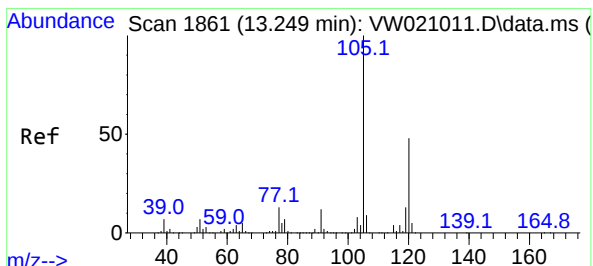
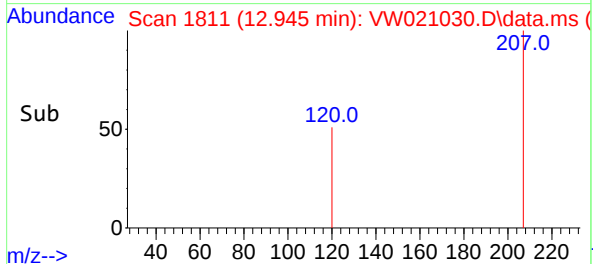
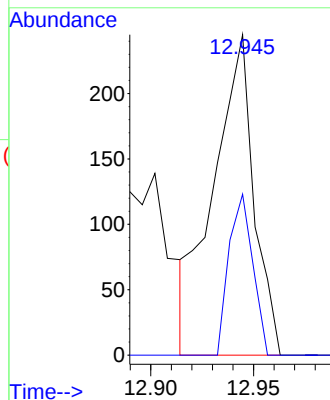
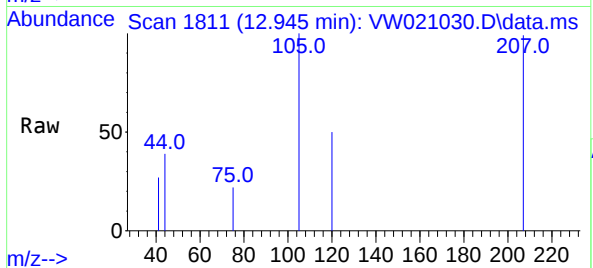
EW9F4

Tgt Ion:105 Resp: 334
 Ion Ratio Lower Upper
 105 100
 120 29.6 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2021
 Supervised By :Amit Patel 12/07/2021



#63

1,2,4-Trimethylbenzene

Concen: 1.727 ug/L

RT: 13.243 min Scan# 1860

Delta R.T. -0.006 min

Lab File: VW021030.D

Acq: 02 Dec 2021 07:29

Tgt Ion:105 Resp: 938
 Ion Ratio Lower Upper
 105 100
 120 32.0 35.0 52.6

