

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
 Data File : VW021645.D
 Acq On : 25 Dec 2021 14:56
 Operator : SY/VA
 Sample : M5174-16RE
 Misc : 7.66g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GBC25RE

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/27/2021
 Supervised By :Mahesh Dadoda 01/02/2022

Quant Time: Dec 27 00:40:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 24 01:43:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	77270	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	54067	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	15602	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	25080	17.822	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.280%
7) Chloroethane-d5	2.879	69	19052	20.479	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.920%
11) 1,1-Dichloroethene-d2	4.013	63	28752	15.325	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.280%
21) 2-Butanone-d5	7.092	46	17949	90.482	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	180.960%#
24) Chloroform-d	7.653	84	53385	24.792	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.160%
26) 1,2-Dichloroethane-d4	8.305	65	33502	29.248	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.000%
32) Benzene-d6	8.275	84	91882	31.003	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	124.000%
36) 1,2-Dichloropropane-d6	9.275	67	28348	35.667	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	142.680%#
41) Toluene-d8	10.323	98	72649	23.992	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.960%
43) trans-1,3-Dichloroprop...	10.579	79	10233	27.962	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	111.840%
47) 2-Hexanone-d5	10.927	63	14103	119.995	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	240.000%#
56) 1,1,2,2-Tetrachloroeth...	12.689	84	18712	27.387	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.560%
66) 1,2-Dichlorobenzene-d4	13.853	152	11257	18.617	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	74.480%#
Target Compounds						Qvalue
13) Acetone	4.153	43	1716m	9.649	ug/L	
17) trans-1,2-Dichloroethene	5.434	96	1041	1.004	ug/L	72
20) cis-1,2-Dichloroethene	7.165	96	8082	7.389	ug/L	75
29) Cyclohexane	7.964	56	665	0.618	ug/L	# 55
33) Benzene	8.323	78	3203	1.087	ug/L	100
34) Trichloroethene	9.092	95	1695	2.050	ug/L	89
35) Methylcyclohexane	9.335	83	1286	0.943	ug/L	93
42) Toluene	10.384	91	10129	2.940	ug/L	86
46) Tetrachloroethene	10.860	164	1962	2.498	ug/L	91
52) Ethylbenzene	11.731	91	9864	2.506	ug/L	91
53) m,p-Xylene	11.835	106	1195	0.753	ug/L	89
63) 1,2,4-Trimethylbenzene	13.249	105	1209	0.679	ug/L	98

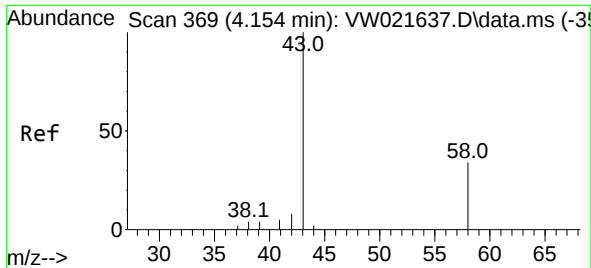
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

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Supervised By :Mahesh Dadoda 01/02/2022

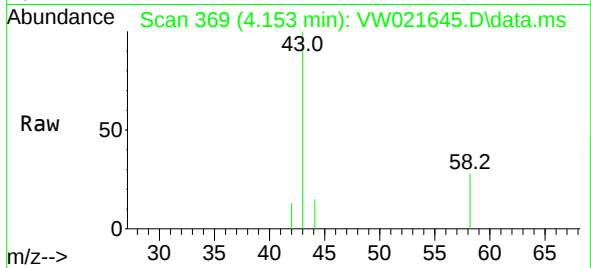
The chromatogram displays a series of peaks over a 16-minute period. The y-axis represents Abundance from 0 to 135,000, and the x-axis represents Time in minutes from 2.00 to 16.00. Numerous peaks are identified with their chemical names, including Vinyl Chloride-d3, S; Chloroethane-d5, S; 1,1-Dichloroethene-d2, S; Acetone, T; trans-1,2-Dichloroethene, T; 2-Bugaprop-d5, S; Chloroethene, T; Cyclohexane, T; Benzene, T; 1,2-Dichloroethane-d4, S; Benzene-d6, S; 1,4-Difluorobenzene, I; 1,2-Dichloropropane-d6, S; Trichloroethene, T; Methylcyclohexane, T; Toluene, T; trans-1,3-Dichloropropene-d4, S; Tetracloroethene, T; 2-Hexanone-d5, S; Toluene-d8, S; Ethylbenzene, T; m,p-Xylene, T; Chlorobenzene-d5, I; 1,1,2,2-Tetrachloroethane-d2, S; 1,2,4-Trimethylbenzene; 1,4-Dichlorobenzene-d4, I; 1,2-Dichlorobenzene-d4, S; and 1,2-Dichlorobenzene-d4, S.

Time (min)	Compound
2.5	Vinyl Chloride-d3, S
3.0	Chloroethane-d5, S
4.0	1,1-Dichloroethene-d2, S
4.0	Acetone, T
5.5	trans-1,2-Dichloroethene, T
7.2	2-Bugaprop-d5, S
7.5	Chloroethene, T
7.8	Cyclohexane, T
8.3	Benzene, T
8.5	1,2-Dichloroethane-d4, S
8.5	Benzene-d6, S
9.0	1,4-Difluorobenzene, I
9.3	1,2-Dichloropropane-d6, S
9.5	Trichloroethene, T
9.5	Methylcyclohexane, T
10.2	Toluene, T
10.5	trans-1,3-Dichloropropene-d4, S
10.8	Tetracloroethene, T
11.0	2-Hexanone-d5, S
10.2	Toluene-d8, S
11.8	Ethylbenzene, T
12.0	m,p-Xylene, T
12.5	Chlorobenzene-d5, I
12.8	1,1,2,2-Tetrachloroethane-d2, S
13.5	1,2,4-Trimethylbenzene
13.8	1,4-Dichlorobenzene-d4, I
14.0	1,2-Dichlorobenzene-d4, S
14.0	1,2-Dichlorobenzene-d4, S



#13
Acetone
Concen: 9.649 ug/L m
RT: 4.153 min Scan# 30
Delta R.T. -0.006 min
Lab File: VW021645.D
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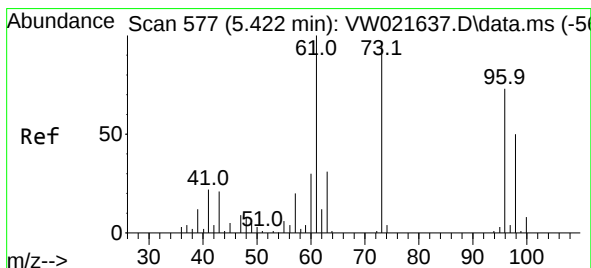
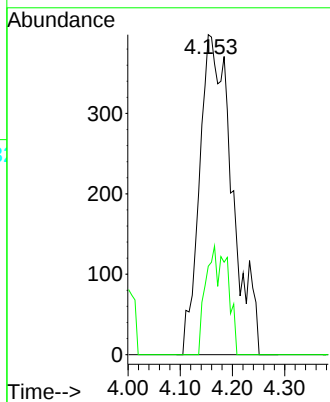
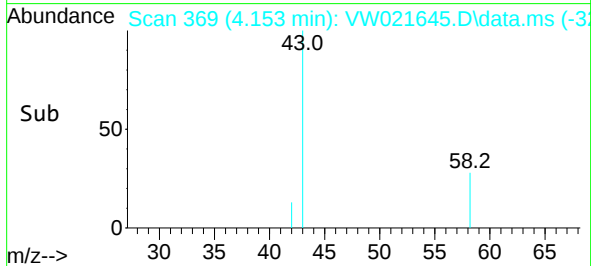
Instrument :
MSVOA_W
ClientSampleId :
GBC25RE



Tgt Ion: 43 Resp: 1710
Ion Ratio Lower Upper
43 100
58 12.7 0.0 52.8

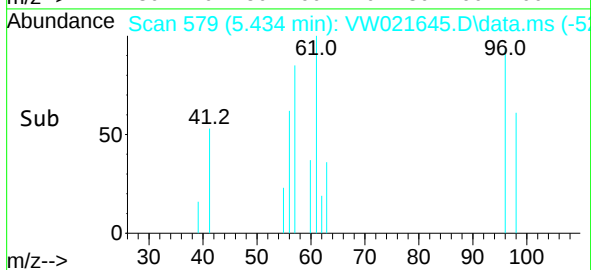
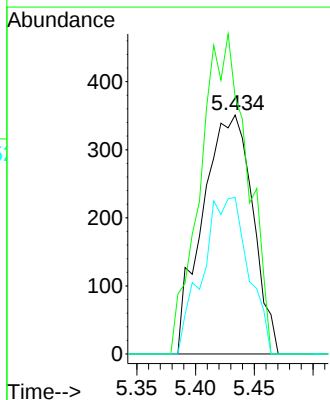
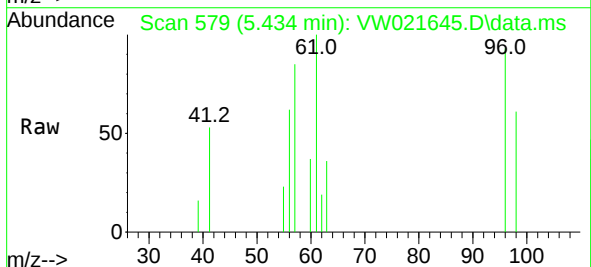
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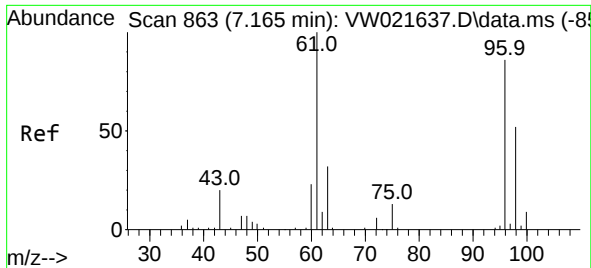
Reviewed By :Semsettin Yesilyurt 12/27/2021
Supervised By :Mahesh Dadoda 01/02/2022



#17
trans-1,2-Dichloroethene
Concen: 1.004 ug/L
RT: 5.434 min Scan# 579
Delta R.T. 0.006 min
Lab File: VW021645.D
Acq: 25 Dec 2021 14:56

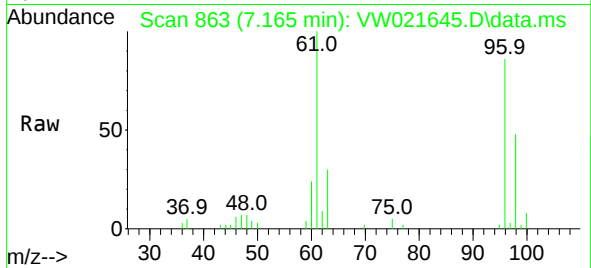
Tgt Ion: 96 Resp: 1041
Ion Ratio Lower Upper
96 100
61 107.4 107.4 199.4
98 65.5 41.2 76.6





#20
 cis-1,2-Dichloroethene
 Concen: 7.389 ug/L
 RT: 7.165 min Scan# 863
 Delta R.T. -0.006 min
 Lab File: VW021645.D
 Acq: 25 Dec 2021 14:56

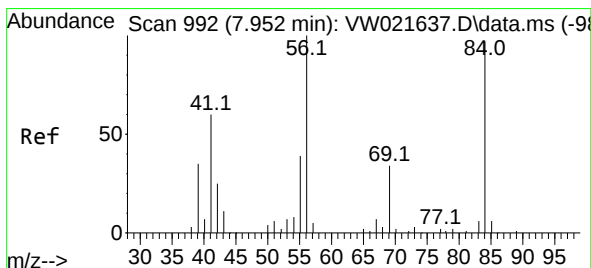
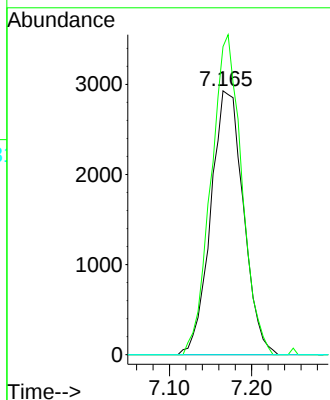
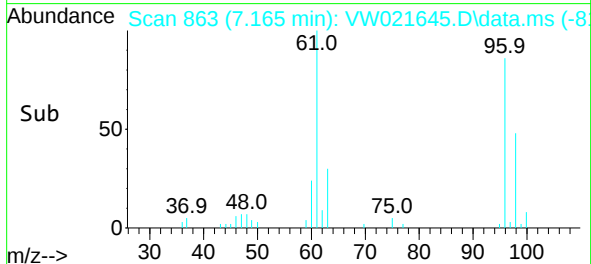
Instrument :
 MSVOA_W
 ClientSampleId :
 GBC25RE



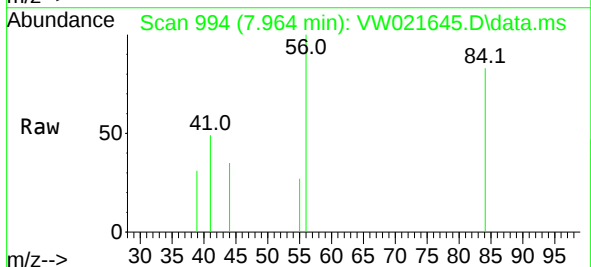
Tgt Ion: 96 Resp: 808
 Ion Ratio Lower Upper
 96 100
 61 116.7 103.7 192.7
 68 0.0 0.0 0.0

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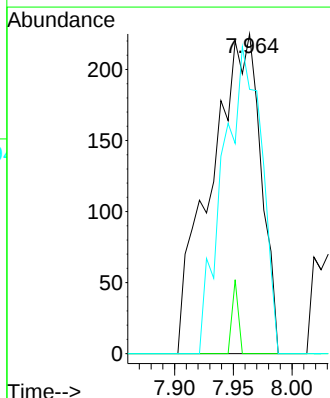
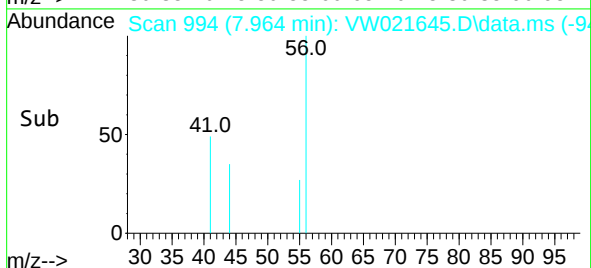
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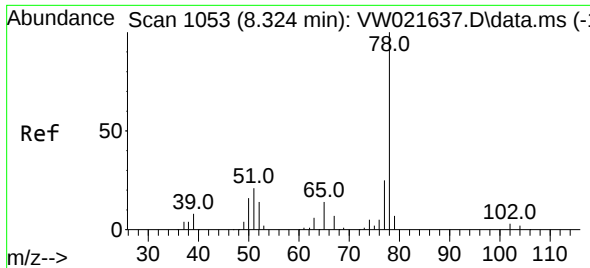


#29
 Cyclohexane
 Concen: 0.618 ug/L
 RT: 7.964 min Scan# 994
 Delta R.T. 0.006 min
 Lab File: VW021645.D
 Acq: 25 Dec 2021 14:56



Tgt Ion: 56 Resp: 665
 Ion Ratio Lower Upper
 56 100
 69 0.0 23.5 35.3#
 84 42.9 63.4 95.2#





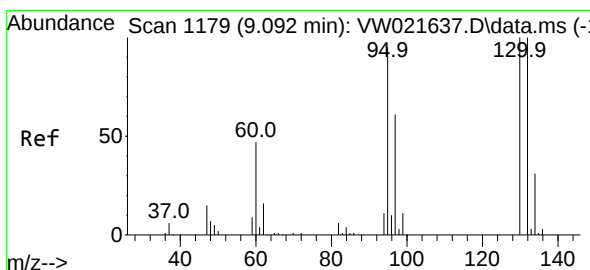
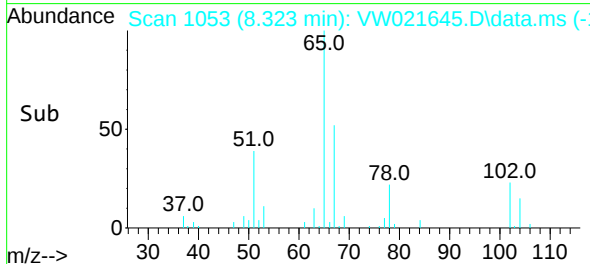
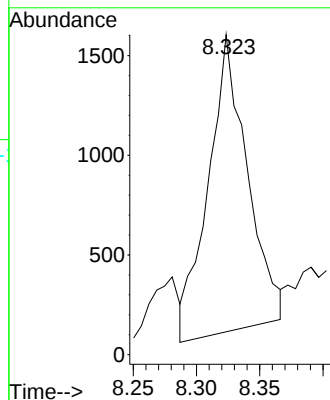
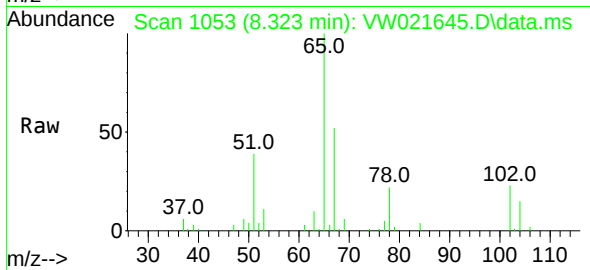
#33
Benzene
Concen: 1.087 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW021645.D
Acq: 25 Dec 2021 14:56

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion: 78 Resp: 320

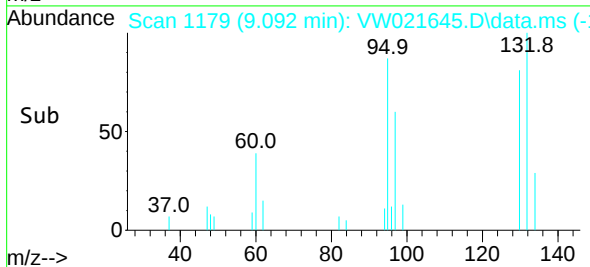
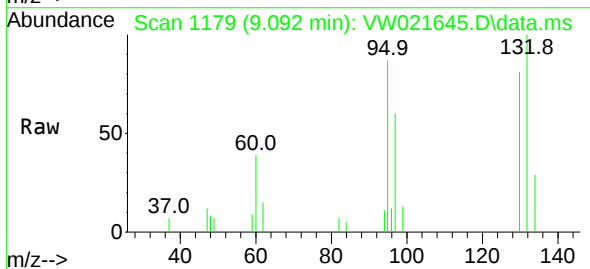
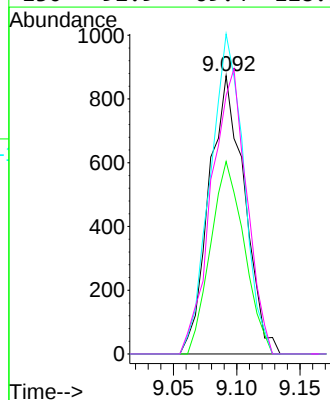
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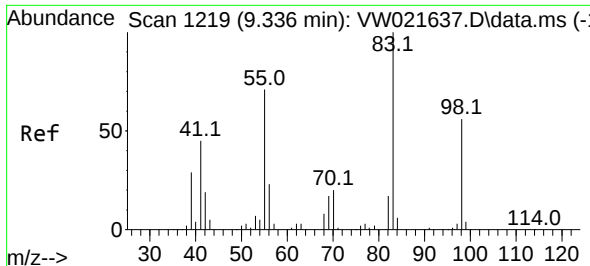
Reviewed By :Semsettin Yesilyurt 12/27/2021
Supervised By :Mahesh Dadoda 01/02/2022



#34
Trichloroethene
Concen: 2.050 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW021645.D
Acq: 25 Dec 2021 14:56

Tgt Ion: 95 Resp: 1695
Ion Ratio Lower Upper
95 100
97 69.2 47.0 87.2
132 115.0 65.5 121.6
130 92.9 69.4 128.8





#35

Methylcyclohexane

Concen: 0.943 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW021645.D

Acq: 25 Dec 2021 14:56

Instrument :

MSVOA_W

ClientSampleId :

GBC25RE

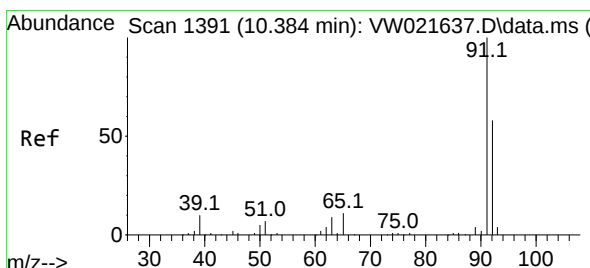
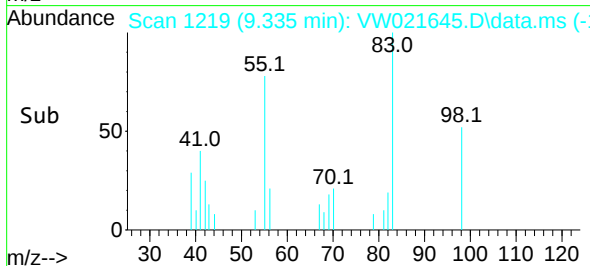
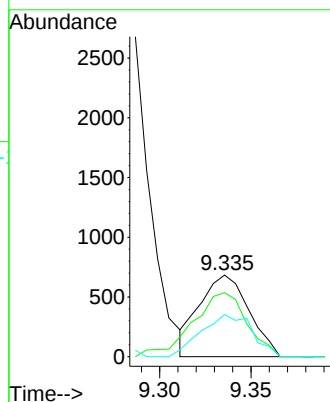
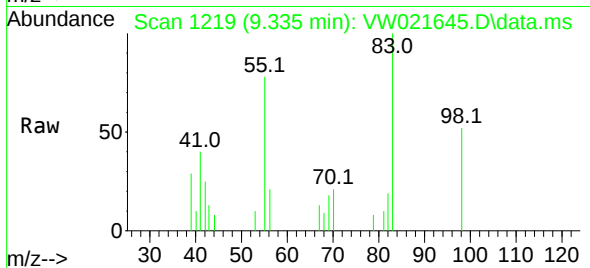
Tgt Ion: 83 Resp: 1280

Ion	Ratio	Lower	Upper
83	100		
55	82.5	70.8	106.2
98	53.4	37.7	56.5

Manual Integrations

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#42

Toluene

Concen: 2.940 ug/L

RT: 10.384 min Scan# 1391

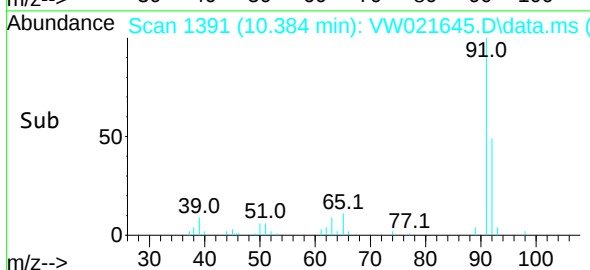
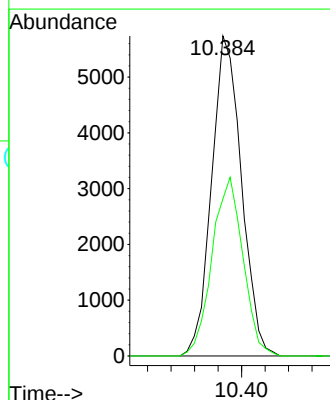
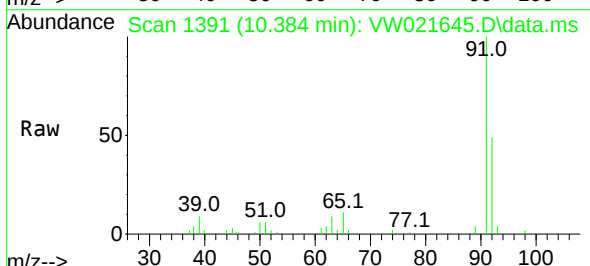
Delta R.T. 0.000 min

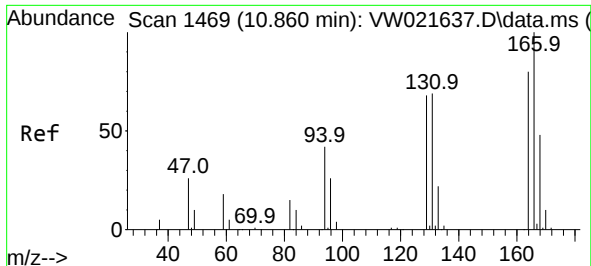
Lab File: VW021645.D

Acq: 25 Dec 2021 14:56

Tgt Ion: 91 Resp: 10129

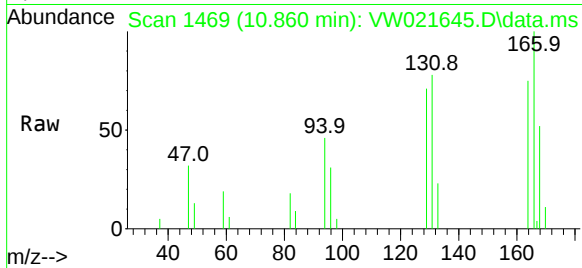
Ion	Ratio	Lower	Upper
91	100		
92	49.1	41.7	77.5





#46
Tetrachloroethene
Concen: 2.498 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW021645.D
Acq: 25 Dec 2021 14:56

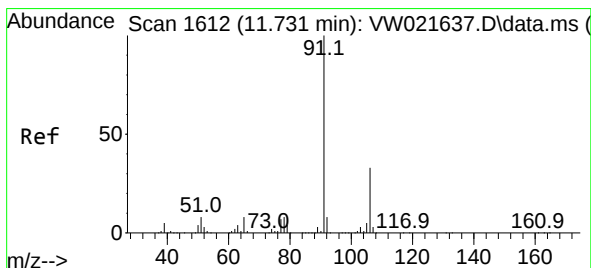
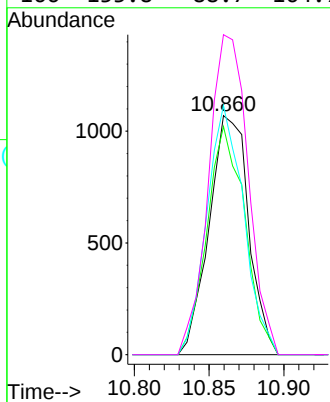
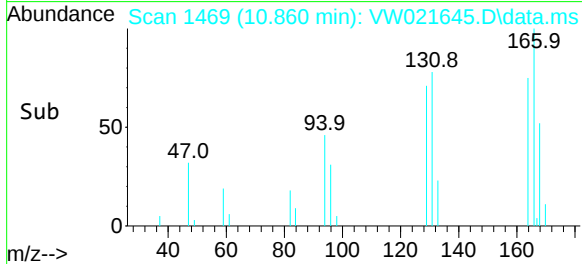
Instrument :
MSVOA_W
ClientSampleId :
GBC25RE



Tgt Ion:164 Resp: 1962
Ion Ratio Lower Upper
164 100
129 95.4 65.5 121.7
131 104.2 59.7 110.9
166 133.8 88.7 164.7

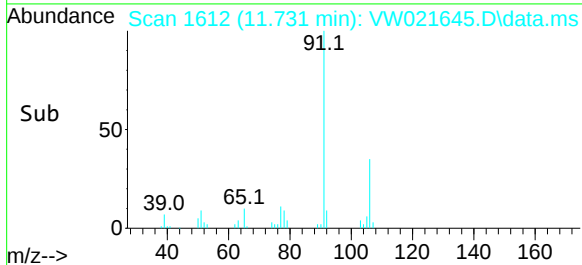
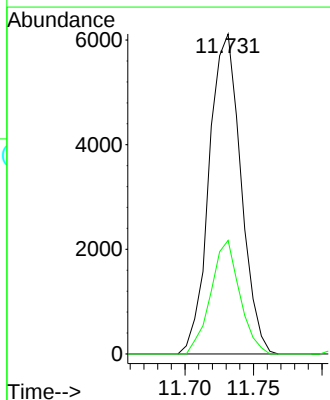
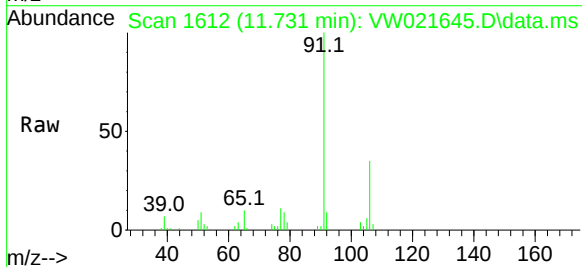
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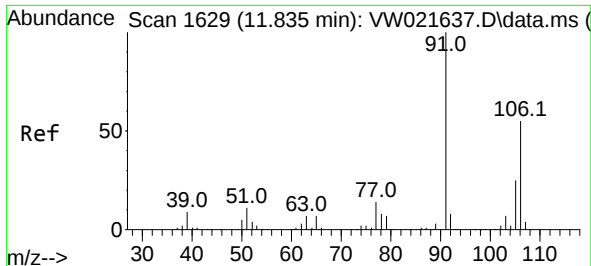
Reviewed By :Semsettin Yesilyurt 12/27/2021
Supervised By :Mahesh Dadoda 01/02/2022



#52
Ethylbenzene
Concen: 2.506 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW021645.D
Acq: 25 Dec 2021 14:56

Tgt Ion: 91 Resp: 9864
Ion Ratio Lower Upper
91 100
106 35.5 21.5 39.9





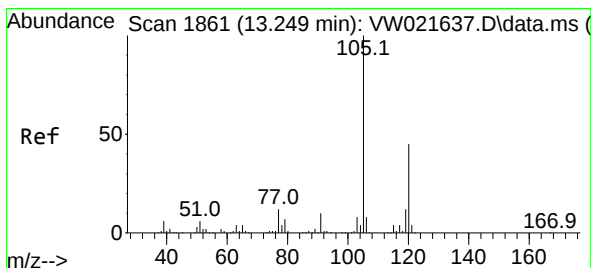
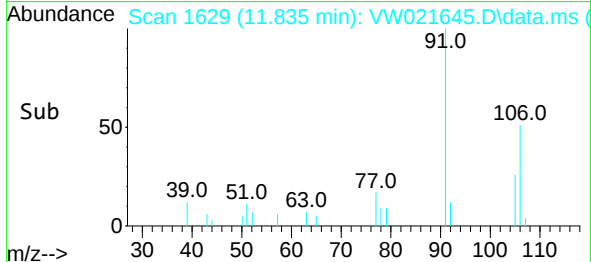
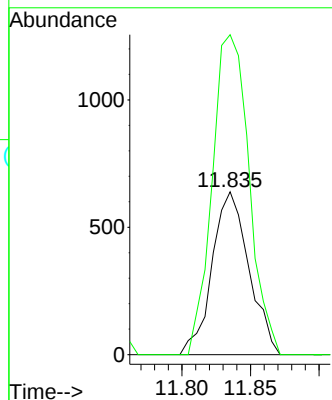
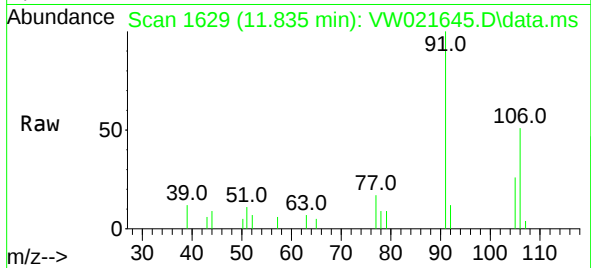
#53
m,p-Xylene
Concen: 0.753 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW021645.D
Acq: 25 Dec 2021 14:56

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion:106 Resp: 119
Ion Ratio Lower Upper
106 100
91 196.6 149.9 278.3

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Supervised By :Mahesh Dadoda 01/02/2022



#63
1,2,4-Trimethylbenzene
Concen: 0.679 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW021645.D
Acq: 25 Dec 2021 14:56

Tgt Ion:105 Resp: 1209
Ion Ratio Lower Upper
105 100
120 42.3 35.0 52.6

