

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
 Data File : VX029578.D
 Acq On : 18 Jun 2022 18:33
 Operator : JC/MD
 Sample : N3290-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/23/2022
 Supervised By : Mahesh Dadoda 06/23/2022

Quant Time: Jun 20 01:35:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	275883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	458045	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	402206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	184729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156764	42.926	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.860%		
35) Dibromofluoromethane	5.391	113	138316	46.337	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.680%		
50) Toluene-d8	8.653	98	522534	47.918	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.840%		
62) 4-Bromofluorobenzene	11.079	95	192178	46.732	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.460%		
Target Compounds					Qvalue	
3) Chloromethane	1.264	50	16427	4.564	ug/l #	44
11) Tert butyl alcohol	2.971	59	200235	251.666	ug/l	99
16) Acetone	2.386	43	22343	15.349	ug/l	98
17) Carbon Disulfide	2.532	76	39995	5.520	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	87058	8.972	ug/l #	37
22) Diisopropyl ether	3.763	45	54861	6.145	ug/l #	89
25) 2-Butanone	4.574	43	10829	4.707	ug/l	94
31) Cyclohexane	5.476	56	23874	4.869	ug/l #	95
39) Methylcyclohexane	7.385	83	25215	5.006	ug/l	96
40) Benzene	6.043	78	423892	35.396	ug/l	100
52) Toluene	8.720	92	5960	0.777	ug/l	96
59) 2-Hexanone	9.451	43	18347	5.837	ug/l	95
67) Ethyl Benzene	10.195	91	10911	0.769	ug/l	100
68) m/p-Xylenes	10.305	106	3008	0.543	ug/l	92
69) o-Xylene	10.640	106	3429	0.627	ug/l	83
73) Isopropylbenzene	10.963	105	28562	2.062	ug/l	99
78) n-propylbenzene	11.305	91	59383	3.807	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	3007	0.258	ug/l	93
83) tert-Butylbenzene	11.713	119	3872m	0.340	ug/l	
84) 1,2,4-Trimethylbenzene	11.756	105	4651	0.400	ug/l	96
85) sec-Butylbenzene	11.890	105	42645	3.025	ug/l	91
86) p-Isopropyltoluene	12.012	119	2723m	0.231	ug/l	
89) n-Butylbenzene	12.335	91	29489	2.960	ug/l #	66
95) Naphthalene	13.780	128	138131	10.660	ug/l #	94

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

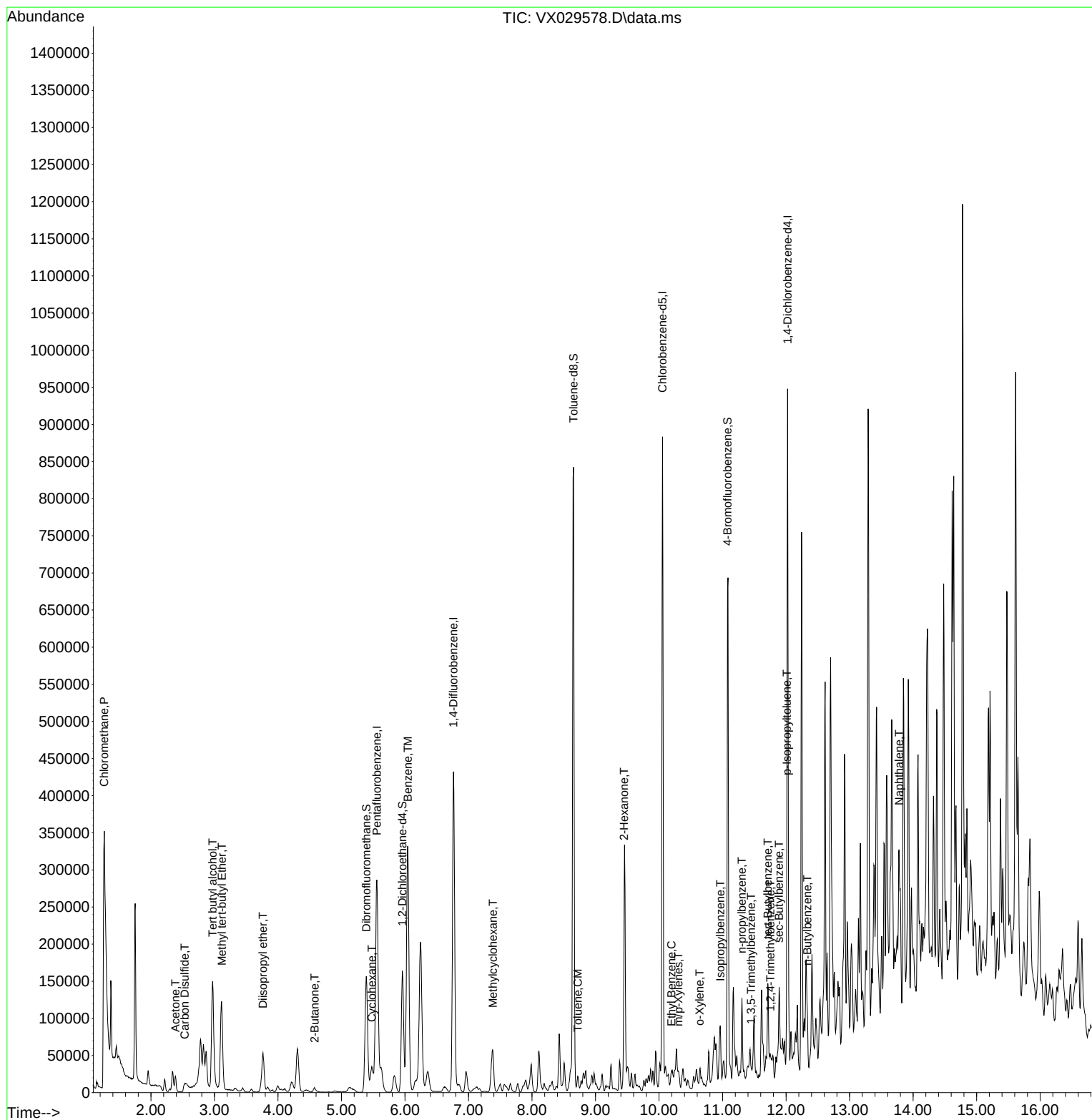
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029578.D
Acq On : 18 Jun 2022 18:33
Operator : JC/MD
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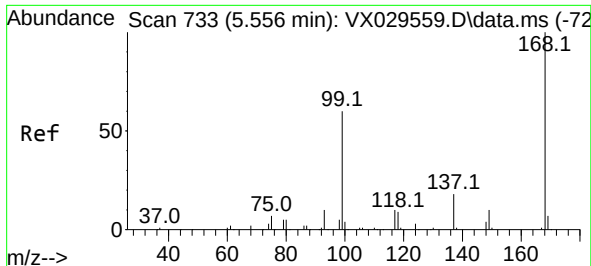
Instrument :
MSVOA_X
ClientSampleId :
MW-3

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Reviewed By :Semsettin Yesilyurt 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022

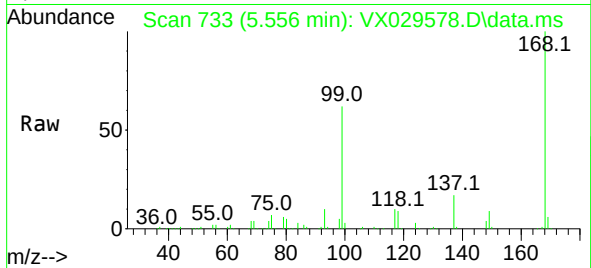
Quant Time: Jun 20 01:35:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 20 01:31:01 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

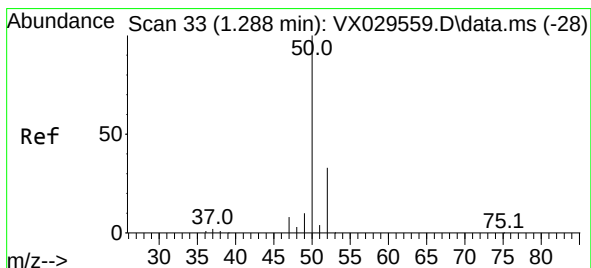
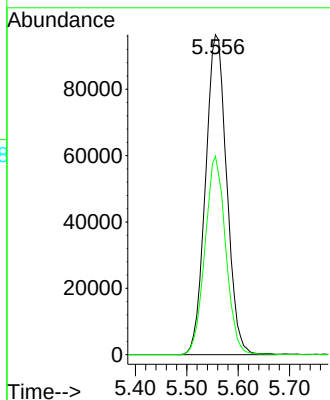
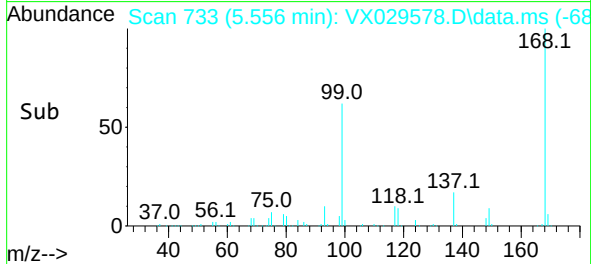
Instrument :
MSVOA_X
ClientSampleId :
MW-3



Tgt Ion:168 Resp: 27588
Ion Ratio Lower Upper
168 100
99 62.0 41.7 62.5

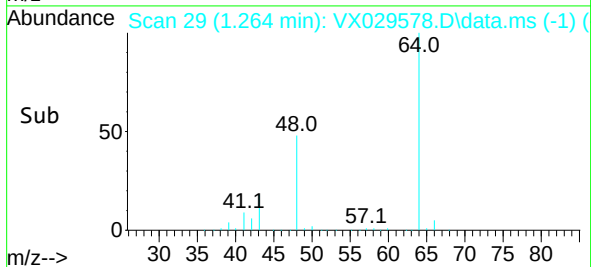
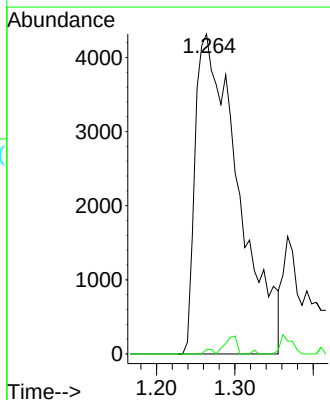
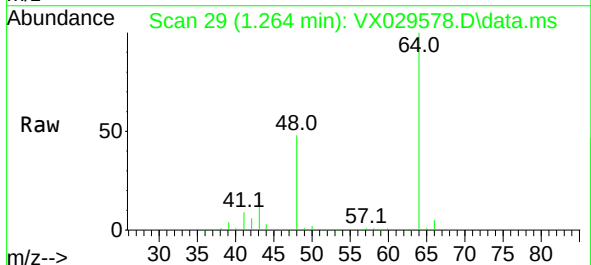
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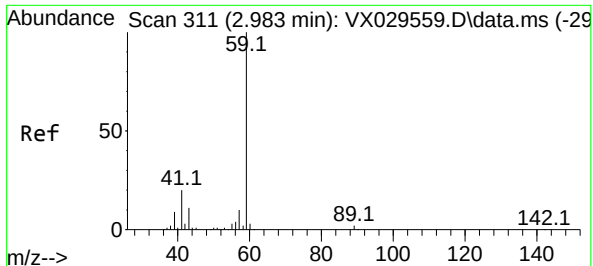
Reviewed By :Semsettin Yesilyurt 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022



#3
Chloromethane
Concen: 4.564 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.024 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

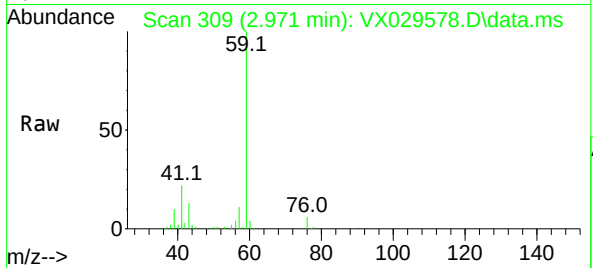
Tgt Ion: 50 Resp: 16427
Ion Ratio Lower Upper
50 100
52 1.4 26.4 39.6#





#11
Tert butyl alcohol
Concen: 251.666 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

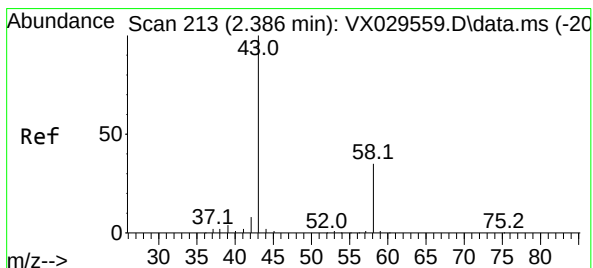
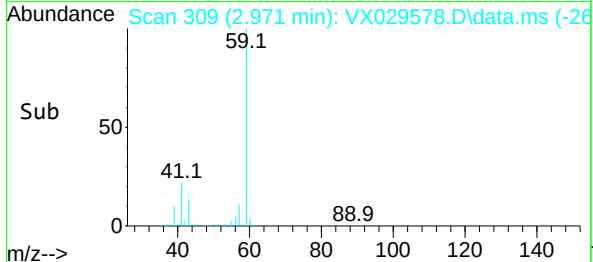
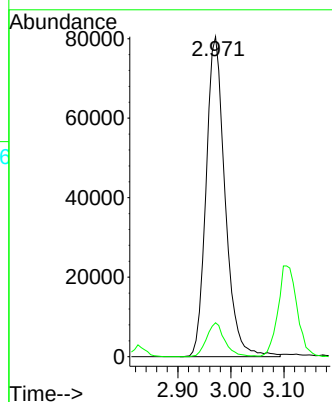
Instrument :
MSVOA_X
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MW-3



Tgt Ion: 59 Resp: 200235
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5

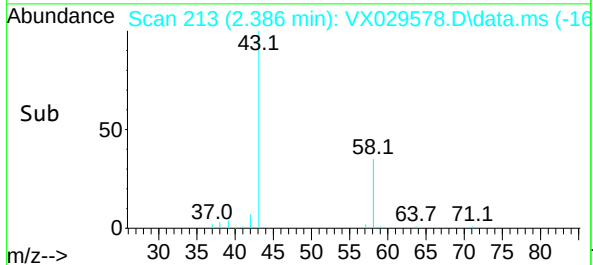
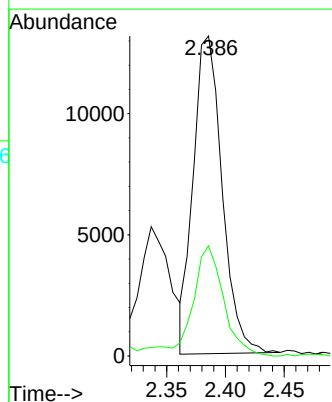
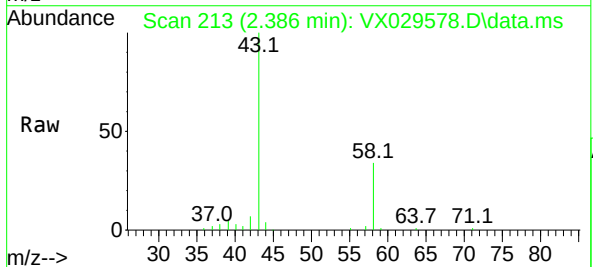
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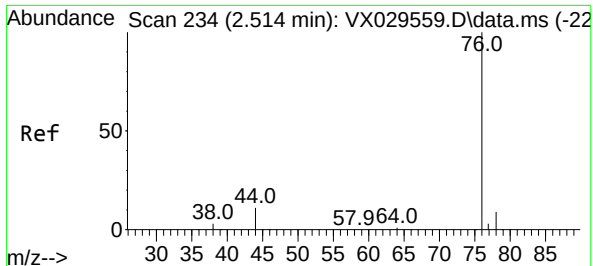
Reviewed By :Semsettin Yesilyurt 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022



#16
Acetone
Concen: 15.349 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

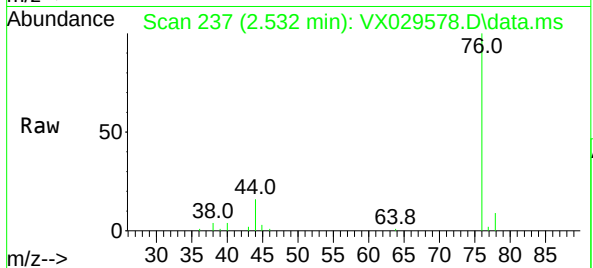
Tgt Ion: 43 Resp: 22343
Ion Ratio Lower Upper
43 100
58 34.8 28.8 43.2





#17
Carbon Disulfide
Concen: 5.520 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

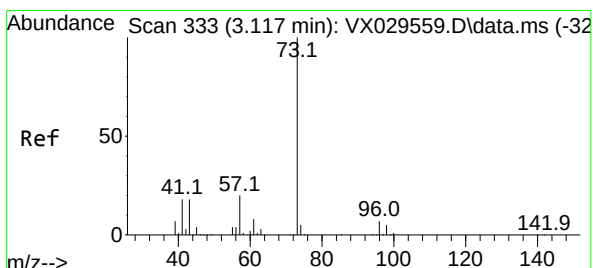
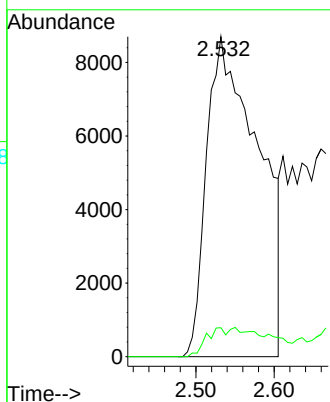
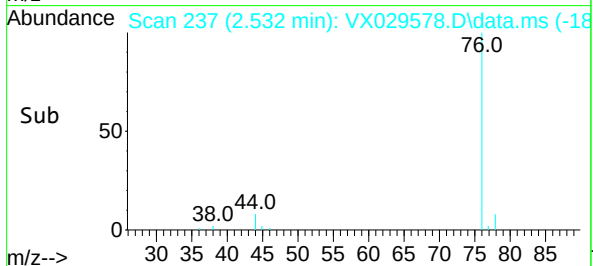
Instrument :
MSVOA_X
ClientSampleId :
MW-3



Tgt Ion: 76 Resp: 3999
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

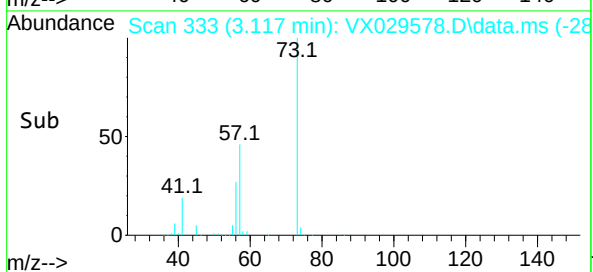
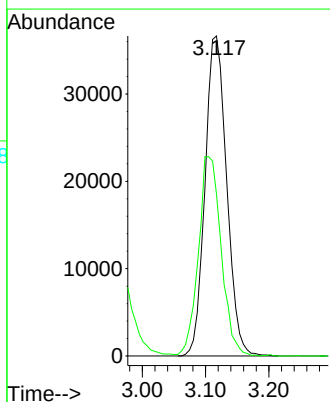
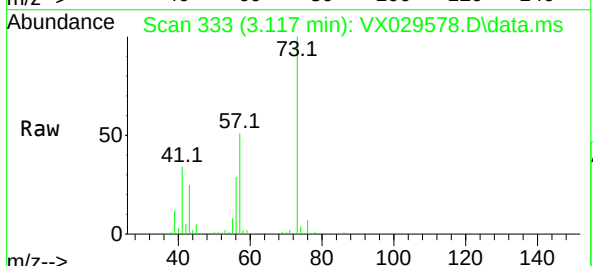
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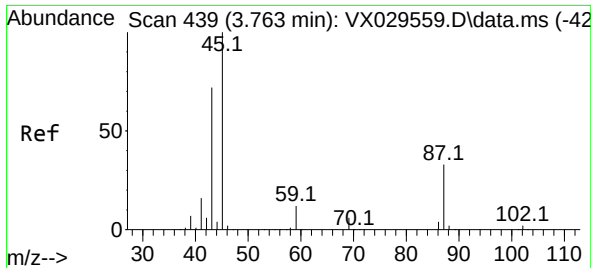
Reviewed By :Semsettin Yesilyurt 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022



#19
Methyl tert-butyl Ether
Concen: 8.972 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

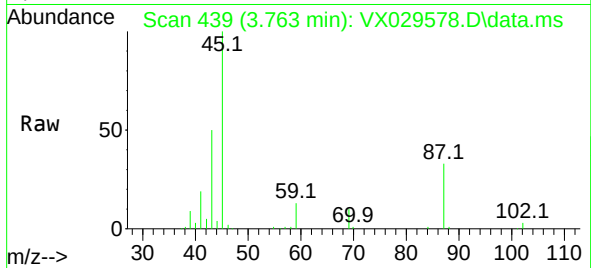
Tgt Ion: 73 Resp: 87058
Ion Ratio Lower Upper
73 100
57 50.7 16.8 25.2#





#22
Diisopropyl ether
Concen: 6.145 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

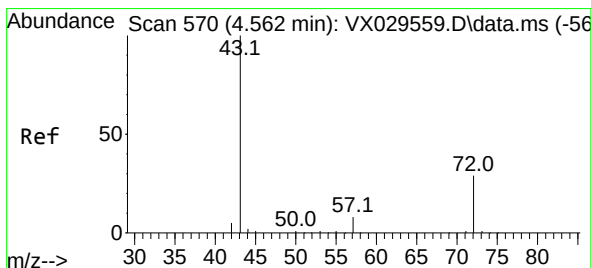
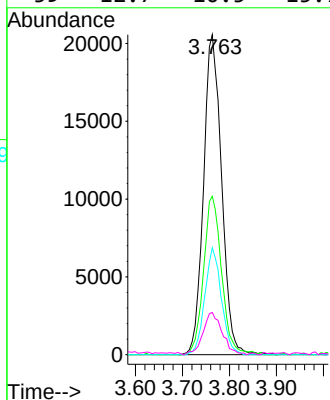
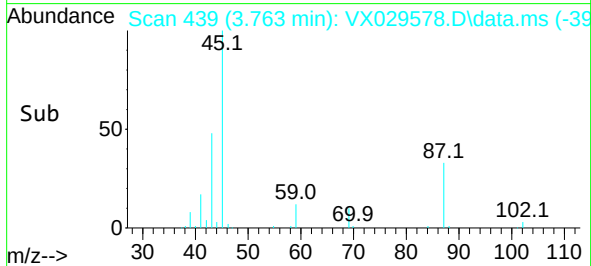
Instrument :
MSVOA_X
ClientSampleId :
MW-3



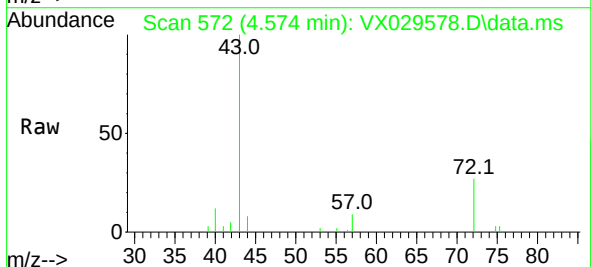
Tgt Ion: 45 Resp: 5486
Ion Ratio Lower Upper
45 100
43 49.5 50.8 76.2
87 33.4 26.6 39.8
59 12.7 10.5 15.7

Manual Integrations
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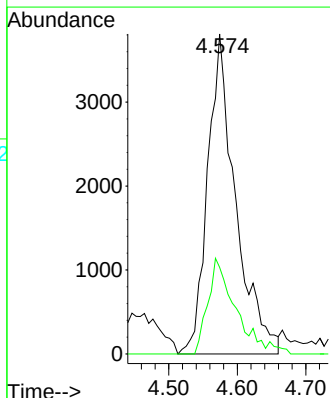
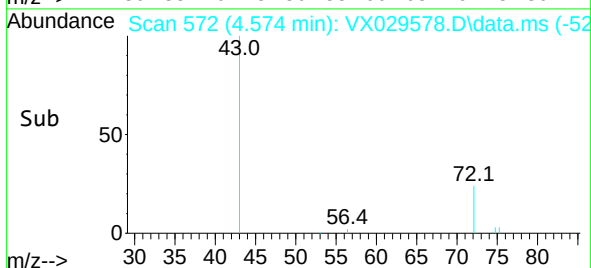
Reviewed By :Semsettin Yesilyurt 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022

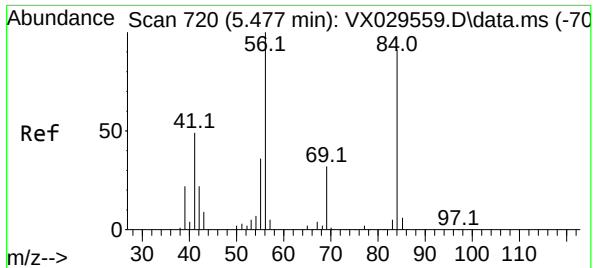


#25
2-Butanone
Concen: 4.707 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33



Tgt Ion: 43 Resp: 10829
Ion Ratio Lower Upper
43 100
72 27.1 24.4 36.6





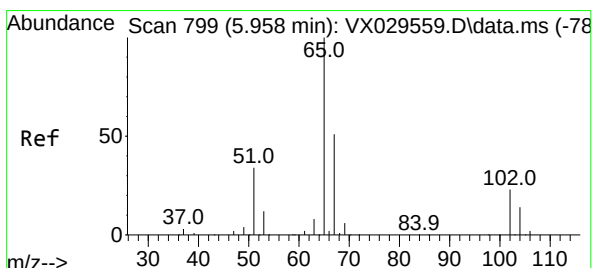
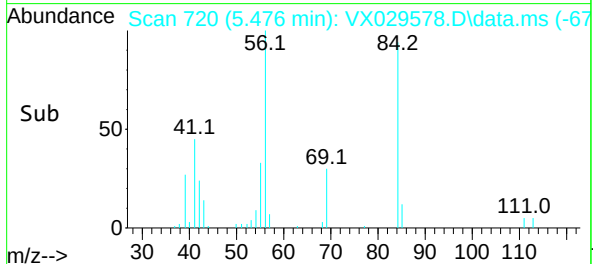
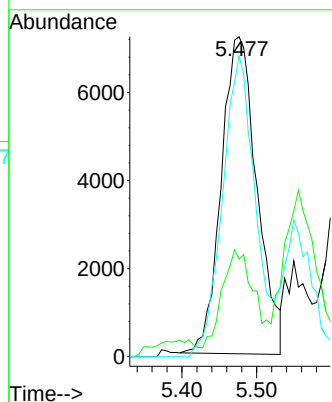
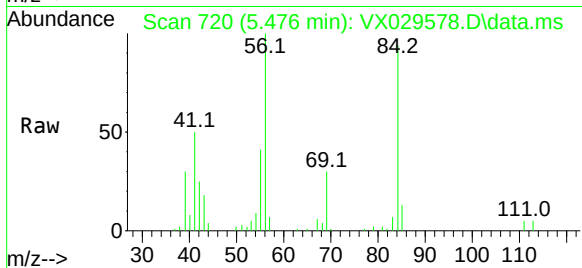
#31
Cyclohexane
Concen: 4.869 ug/l
RT: 5.476 min Scan# 720
Delta R.T. -0.001 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tgt Ion: 56 Resp: 23874
Ion Ratio Lower Upper
56 100
69 25.6 26.7 40.1
84 95.1 77.2 115.8

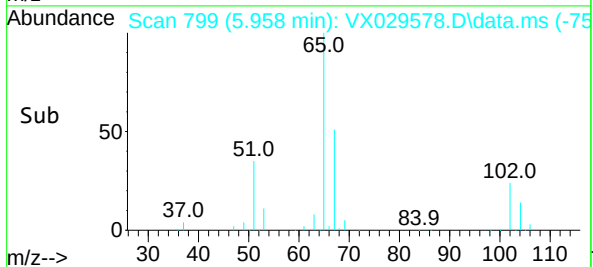
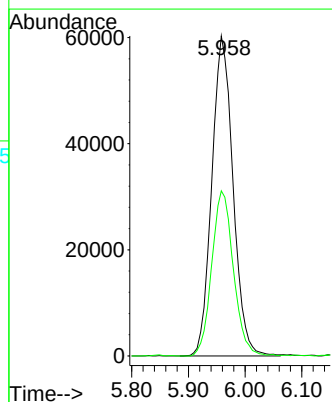
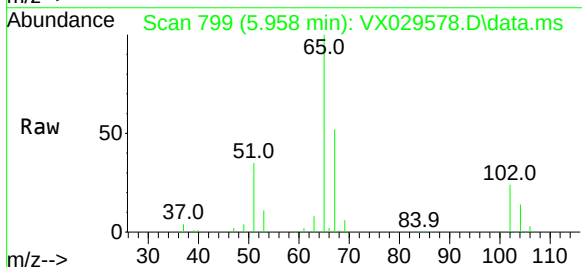
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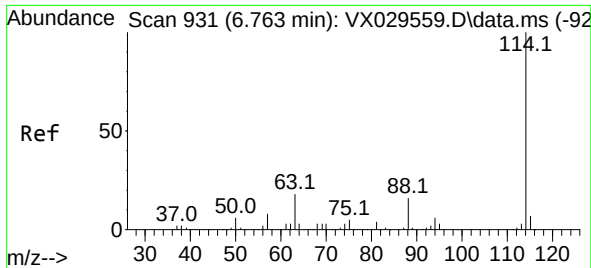
Reviewed By :Semsettin Yesilyurt 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022



#33
1,2-Dichloroethane-d4
Concen: 42.926 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

Tgt Ion: 65 Resp: 156764
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.4





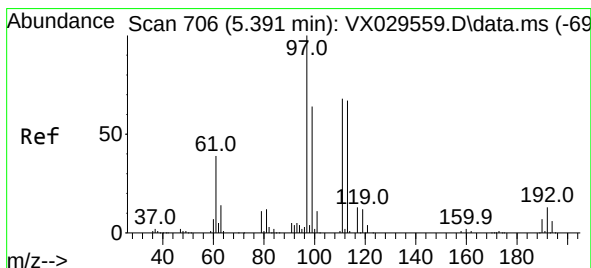
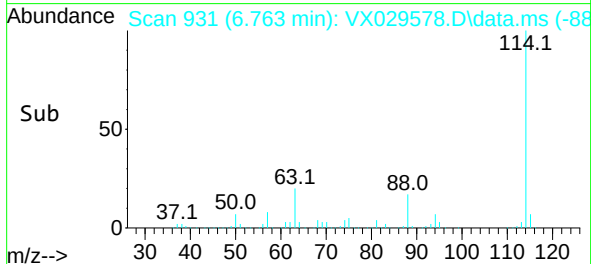
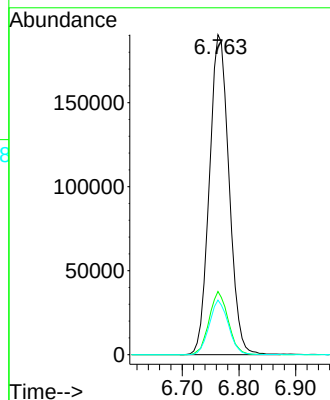
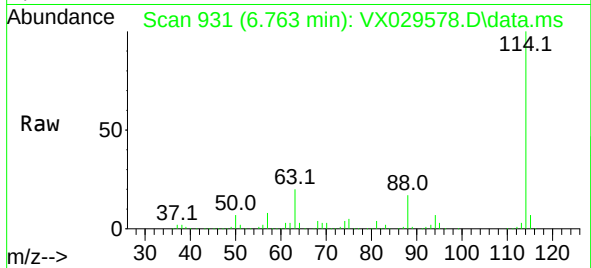
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

Instrument :
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MW-3

Tgt Ion:114 Resp: 458049
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.8
88 17.1 0.0 32.4

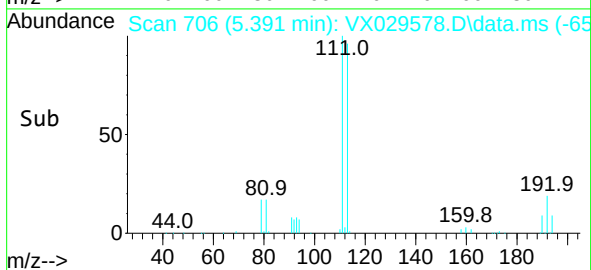
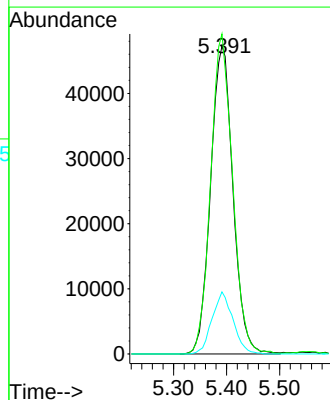
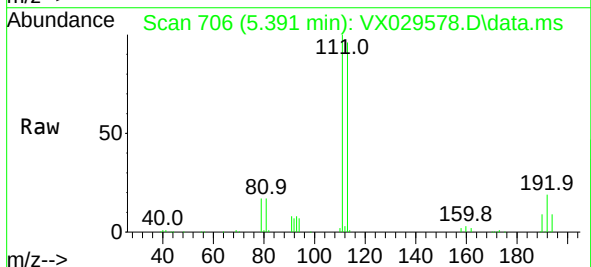
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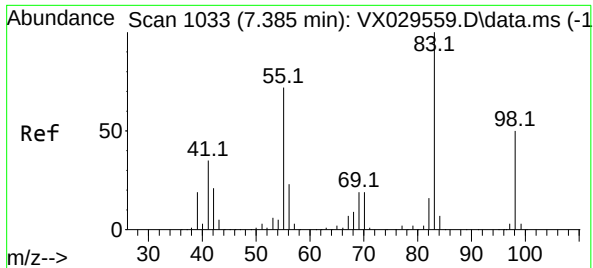
Reviewed By :Semsettin Yesilyurt 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022



#35
Dibromofluoromethane
Concen: 46.337 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

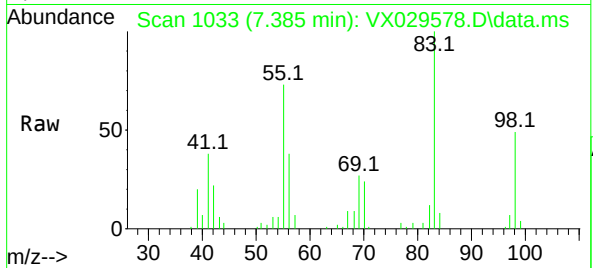
Tgt Ion:113 Resp: 138316
Ion Ratio Lower Upper
113 100
111 101.8 82.8 124.2
192 18.9 16.9 25.3





#39
Methylcyclohexane
Concen: 5.006 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

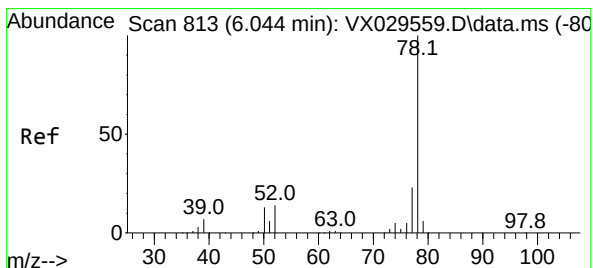
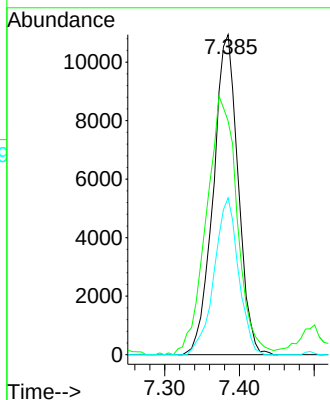
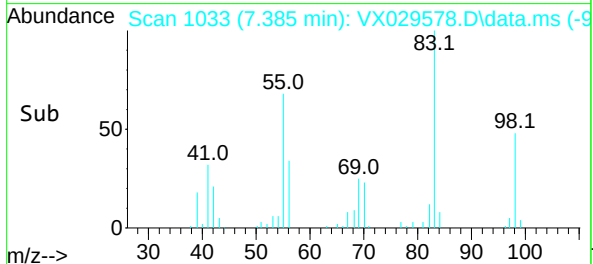
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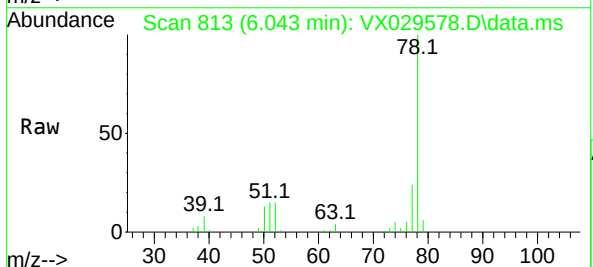
Tgt Ion: 83 Resp: 2521
Ion Ratio Lower Upper
83 100
55 71.3 54.6 81.8
98 49.0 37.4 56.2

Manual Integrations
APPROVED

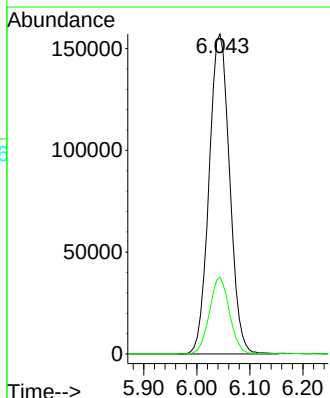
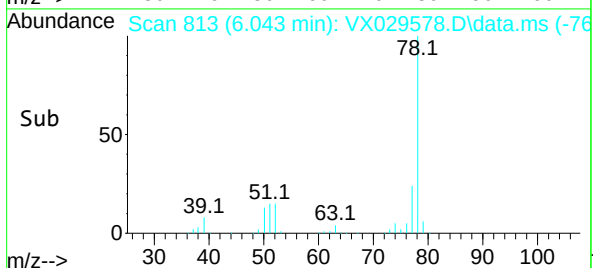
Reviewed By :Semsettin Yesilyurt 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022

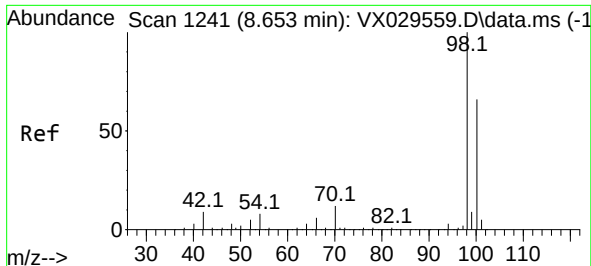


#40
Benzene
Concen: 35.396 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.001 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33



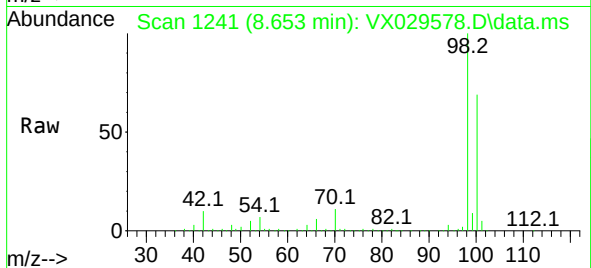
Tgt Ion: 78 Resp: 423892
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9





#50
Toluene-d8
Concen: 47.918 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

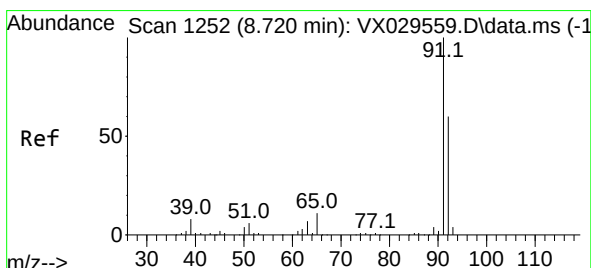
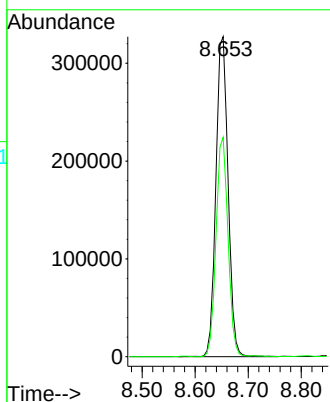
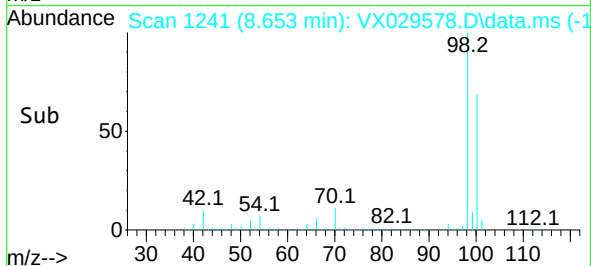
Instrument :
MSVOA_X
ClientSampleId :
MW-3



Tgt Ion: 98 Resp: 522534
Ion Ratio Lower Upper
98 100
100 67.3 52.6 78.8

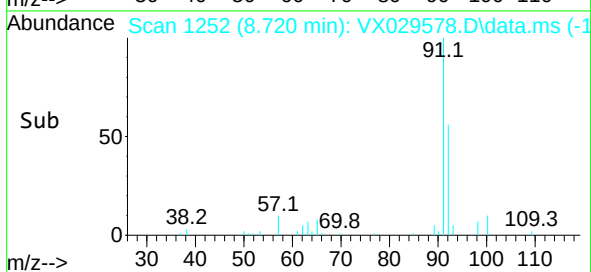
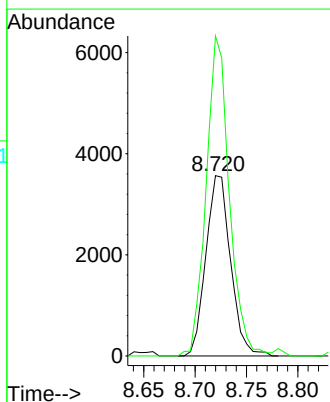
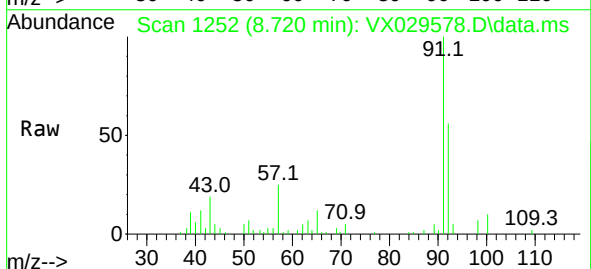
Manual Integrations
APPROVED

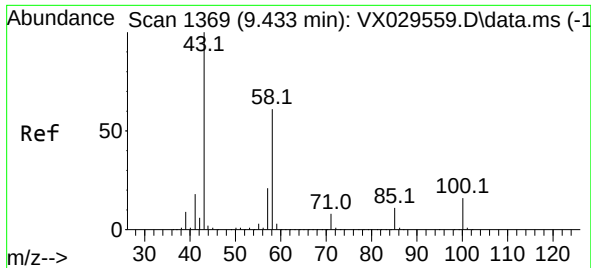
Reviewed By :Semsettin Yesilyurt 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022



#52
Toluene
Concen: 0.777 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

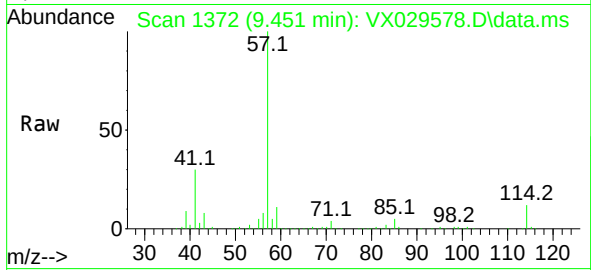
Tgt Ion: 92 Resp: 5960
Ion Ratio Lower Upper
92 100
91 166.1 137.5 206.3





#59
2-Hexanone
Concen: 5.837 ug/l
RT: 9.451 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

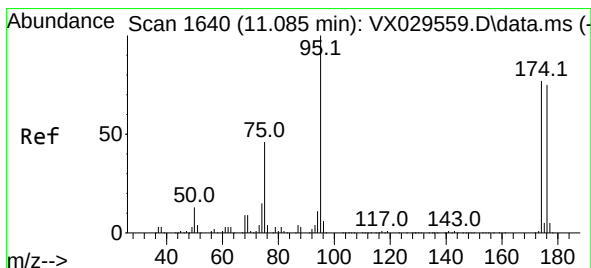
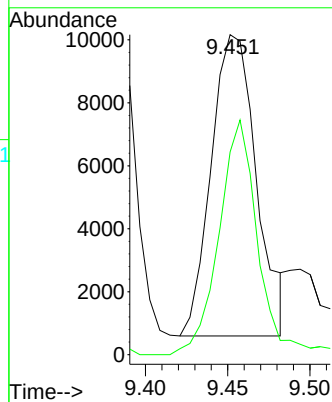
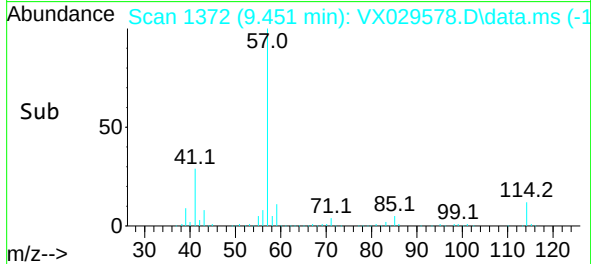
Instrument :
MSVOA_X
ClientSampleId :
MW-3



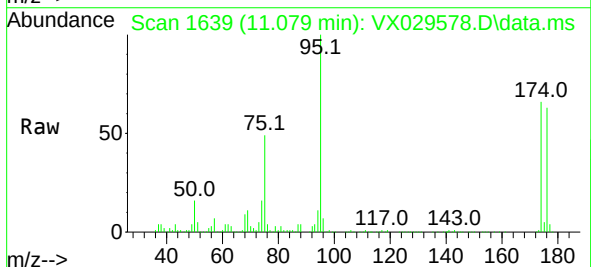
Tgt Ion: 43 Resp: 1834
Ion Ratio Lower Upper
43 100
58 67.7 31.9 95.7

Manual Integrations
APPROVED

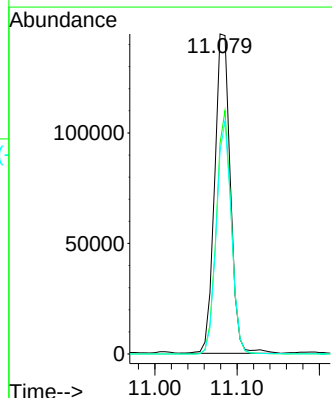
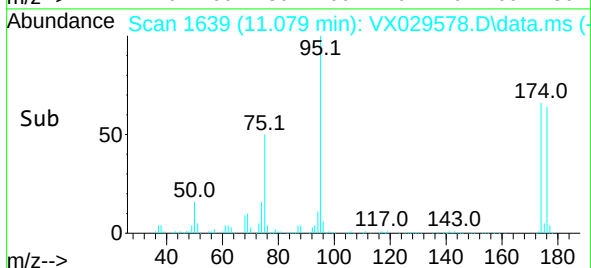
Reviewed By :Semsettin Yesilyurt 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022

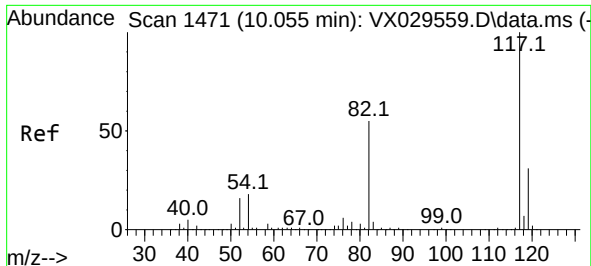


#62
4-Bromofluorobenzene
Concen: 46.732 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33



Tgt Ion: 95 Resp: 192178
Ion Ratio Lower Upper
95 100
174 71.9 0.0 163.0
176 69.7 0.0 155.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX029578.D

Acq: 18 Jun 2022 18:33

Instrument :

MSVOA_X

ClientSampleId :

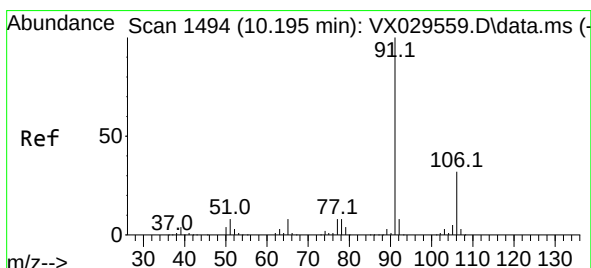
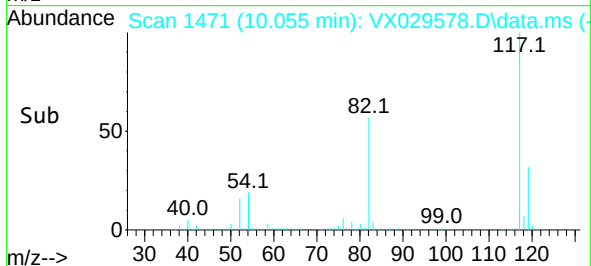
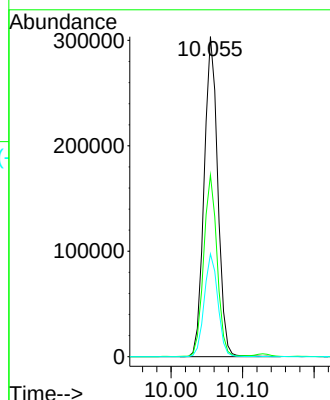
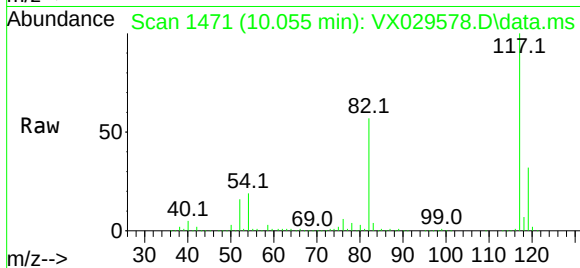
MW-3

Tgt Ion:	117	Resp:	402200
Ion Ratio	Lower	Upper	
117	100		
82	56.6	41.8	62.8
119	32.1	24.8	37.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022



#67

Ethyl Benzene

Concen: 0.769 ug/l

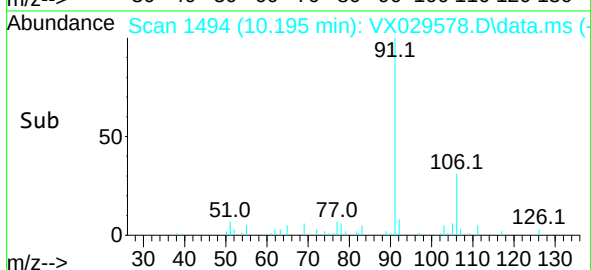
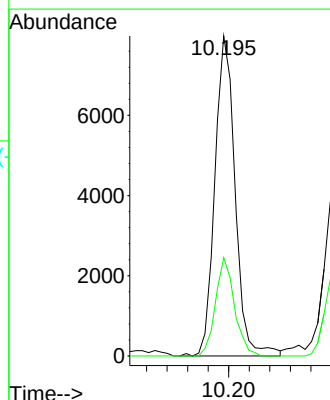
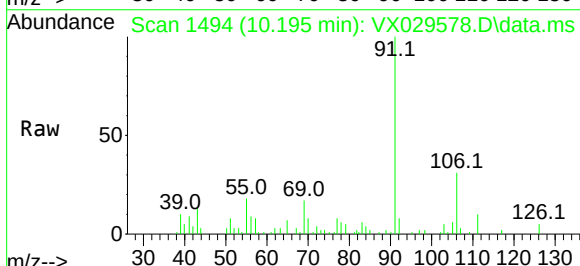
RT: 10.195 min Scan# 1494

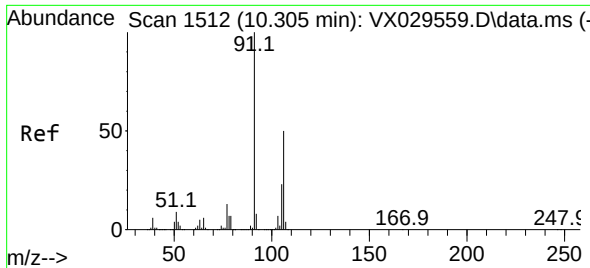
Delta R.T. 0.000 min

Lab File: VX029578.D

Acq: 18 Jun 2022 18:33

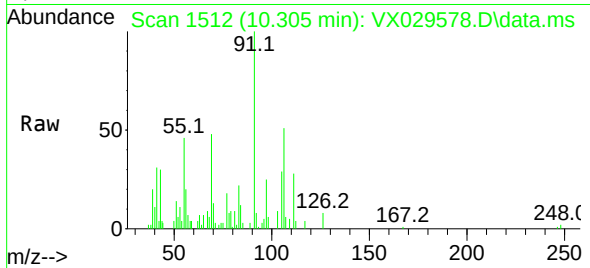
Tgt Ion:	91	Resp:	10911
Ion Ratio	Lower	Upper	
91	100		
106	30.7	24.6	36.8





#68
m/p-Xylenes
Concen: 0.543 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

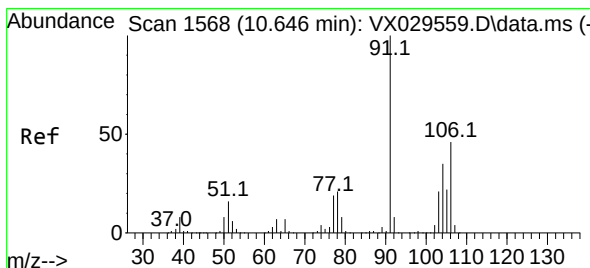
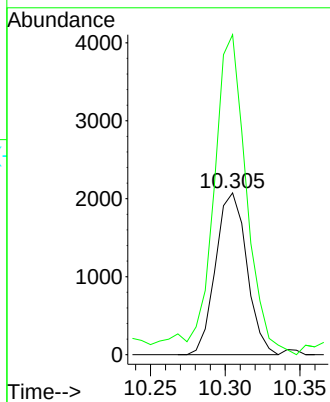
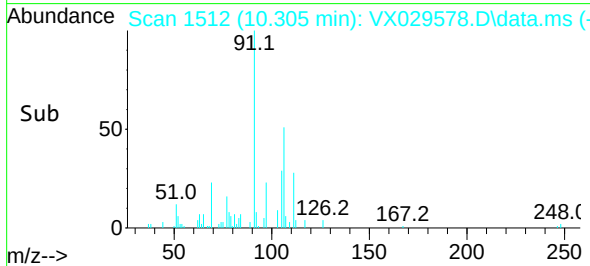
Instrument :
MSVOA_X
ClientSampleId :
MW-3



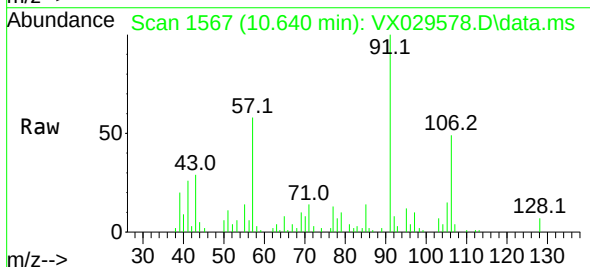
Tgt Ion:106 Resp: 3008
Ion Ratio Lower Upper
106 100
91 212.7 160.4 240.6

Manual Integrations
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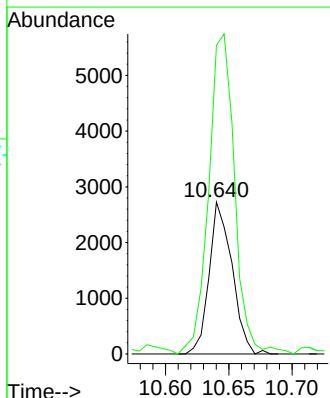
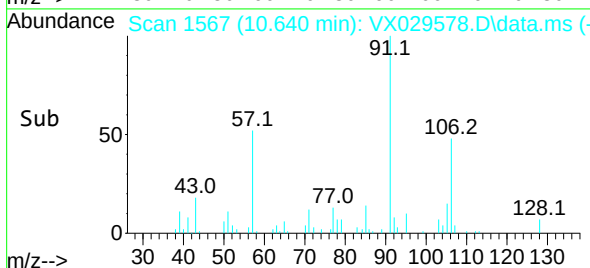
Reviewed By :Semsettin Yesilyurt 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022

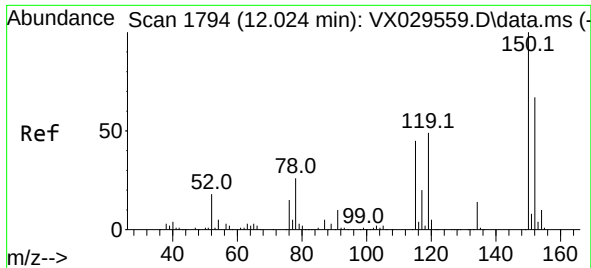


#69
o-Xylene
Concen: 0.627 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33



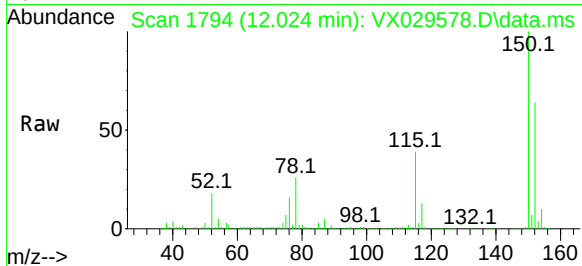
Tgt Ion:106 Resp: 3429
Ion Ratio Lower Upper
106 100
91 238.7 106.1 318.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

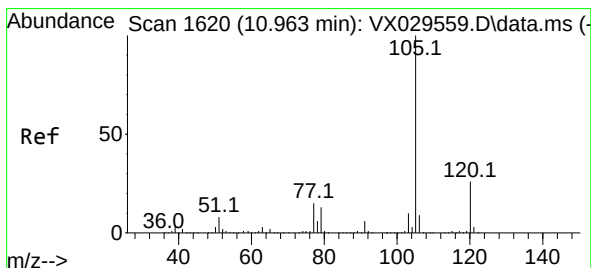
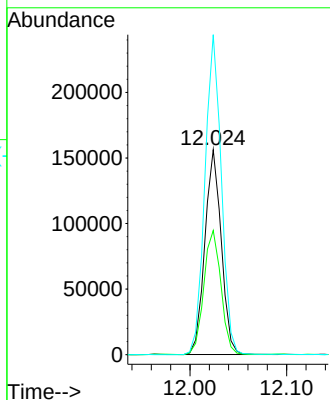
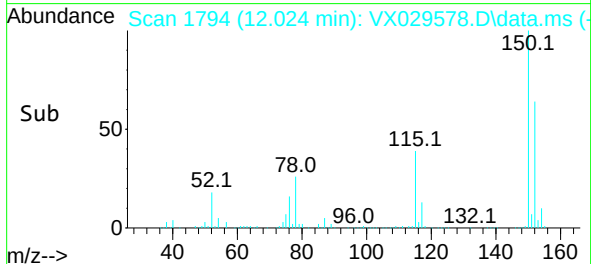
Instrument :
MSVOA_X
ClientSampleId :
MW-3



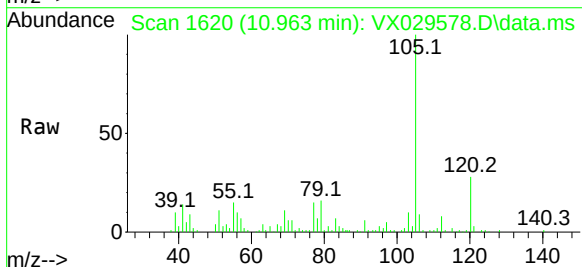
Tgt Ion:152 Resp: 184729
Ion Ratio Lower Upper
152 100
115 63.1 37.5 112.7
150 156.7 0.0 338.2

Manual Integrations
APPROVED

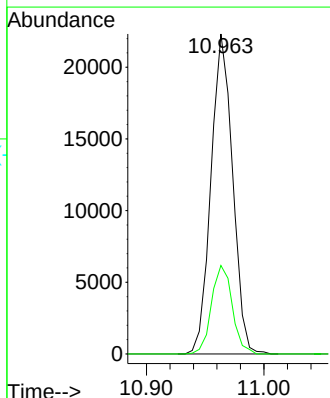
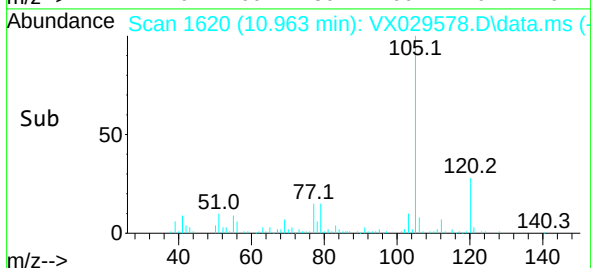
Reviewed By :Semsettin Yesilyurt 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022

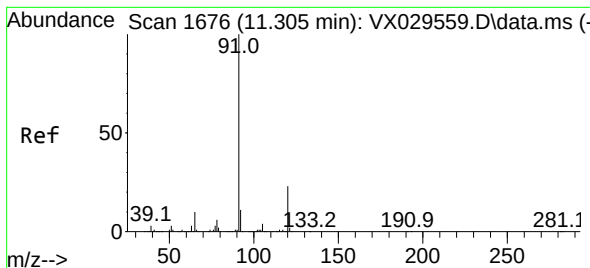


#73
Isopropylbenzene
Concen: 2.062 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33



Tgt Ion:105 Resp: 28562
Ion Ratio Lower Upper
105 100
120 26.6 13.5 40.5





#78

n-propylbenzene

Concen: 3.807 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX029578.D

Acq: 18 Jun 2022 18:33

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tgt Ion: 91 Resp: 5938

Ion Ratio Lower Upper

91 100

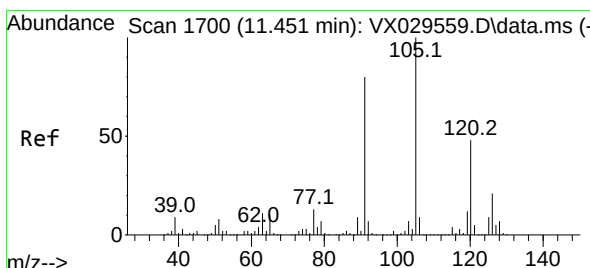
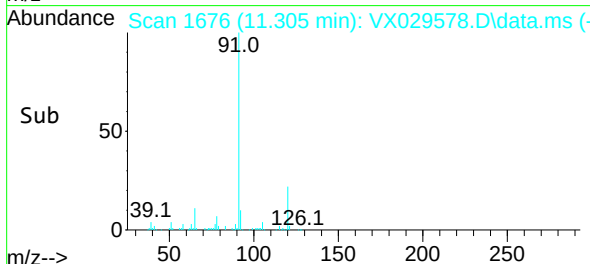
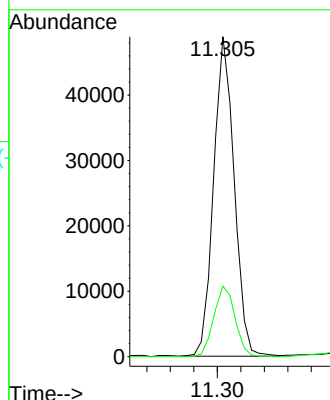
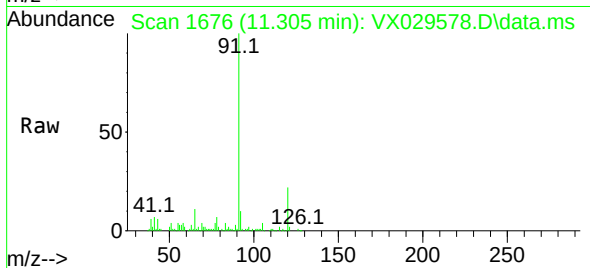
120 22.9 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2022

Supervised By :Mahesh Dadoda 06/23/2022



#80

1,3,5-Trimethylbenzene

Concen: 0.258 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX029578.D

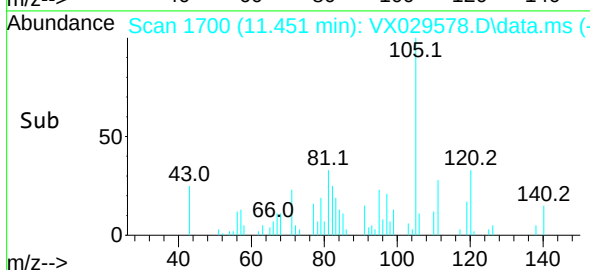
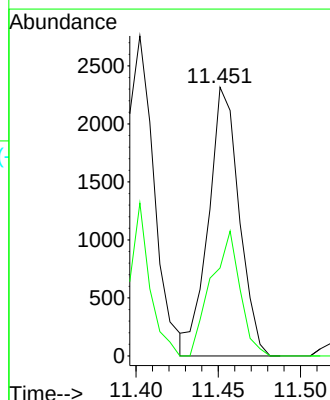
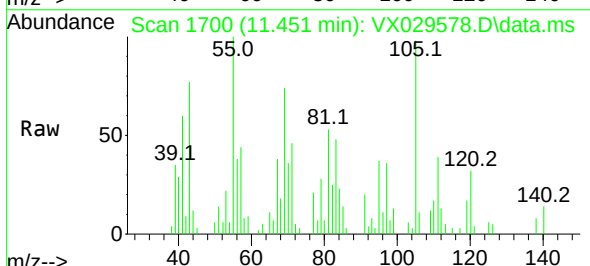
Acq: 18 Jun 2022 18:33

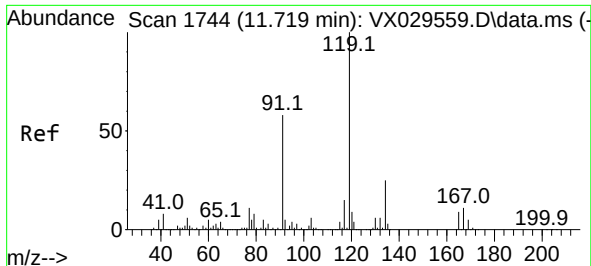
Tgt Ion:105 Resp: 3007

Ion Ratio Lower Upper

105 100

120 43.9 24.3 72.9





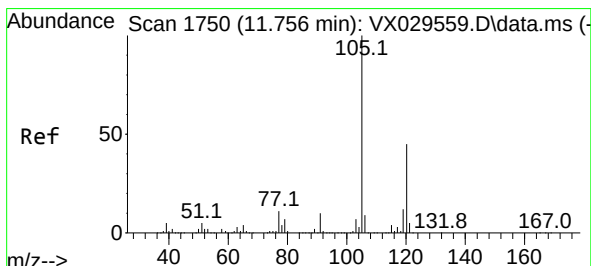
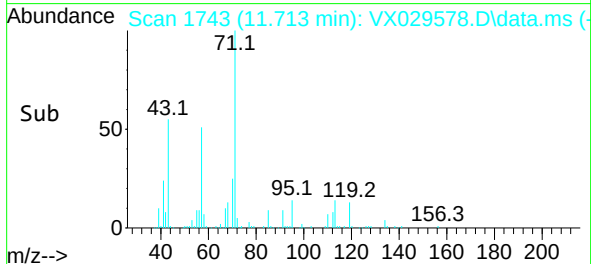
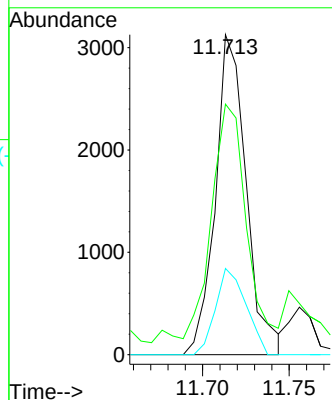
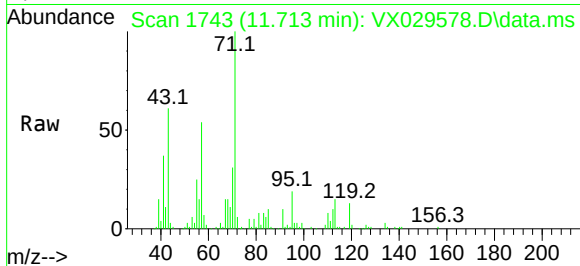
#83
tert-Butylbenzene
Concen: 0.340 ug/l m
RT: 11.713 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tgt Ion:119 Resp: 3872
Ion Ratio Lower Upper
119 100
91 39.4 26.9 80.6
134 37.8 11.4 34.2

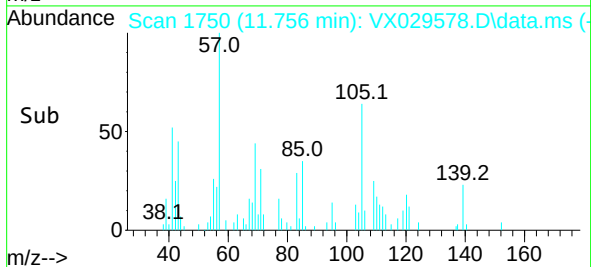
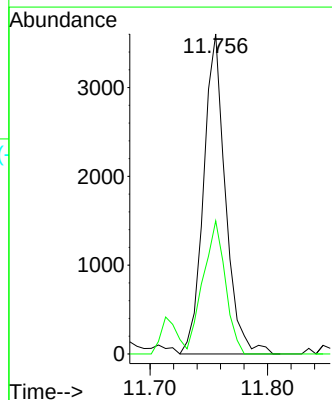
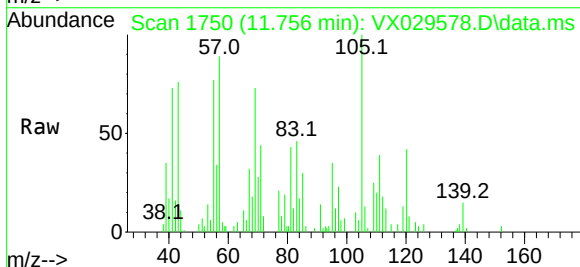
Manual Integrations
APPROVED

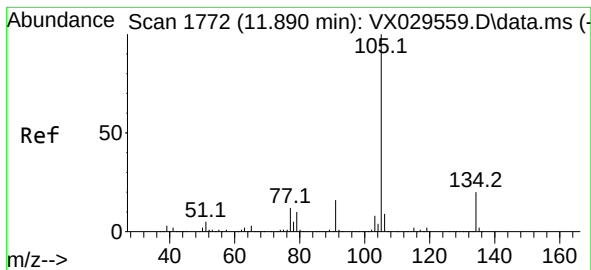
Reviewed By :Semsettin Yesilyurt 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022



#84
1,2,4-Trimethylbenzene
Concen: 0.400 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

Tgt Ion:105 Resp: 4651
Ion Ratio Lower Upper
105 100
120 42.3 22.6 67.8





#85

sec-Butylbenzene

Concen: 3.025 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX029578.D

Acq: 18 Jun 2022 18:33

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tgt Ion:105 Resp: 4264

Ion Ratio Lower Upper

105 100

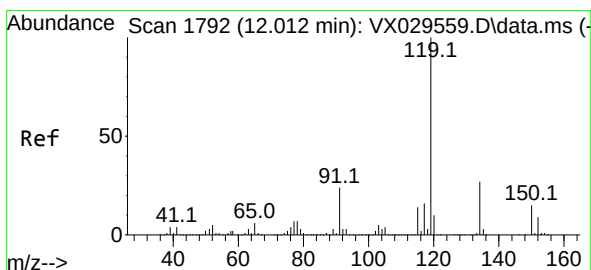
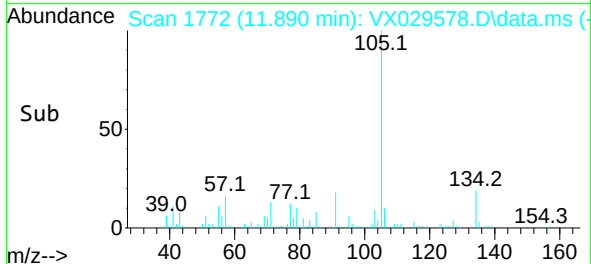
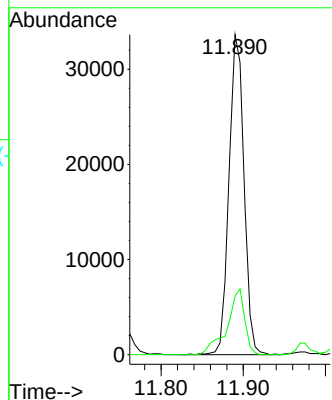
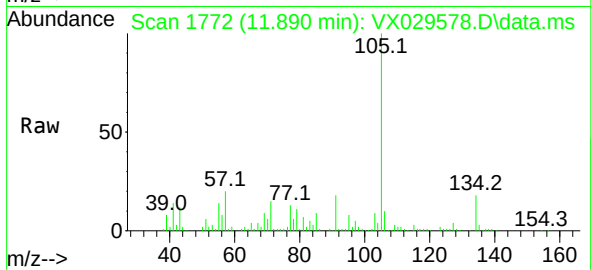
134 24.3 10.2 30.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2022

Supervised By :Mahesh Dadoda 06/23/2022



#86

p-Isopropyltoluene

Concen: 0.231 ug/l m

RT: 12.012 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VX029578.D

Acq: 18 Jun 2022 18:33

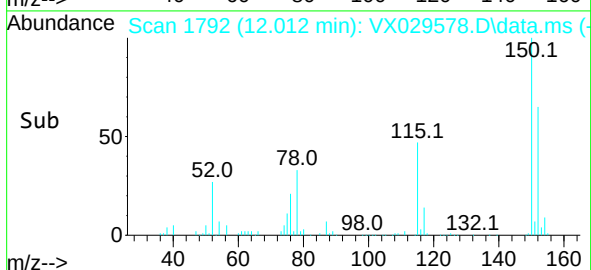
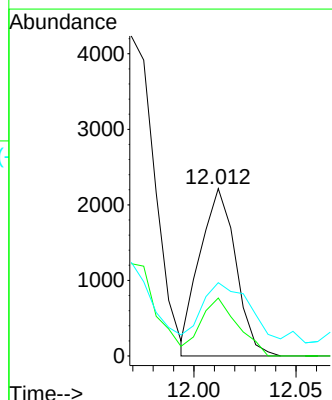
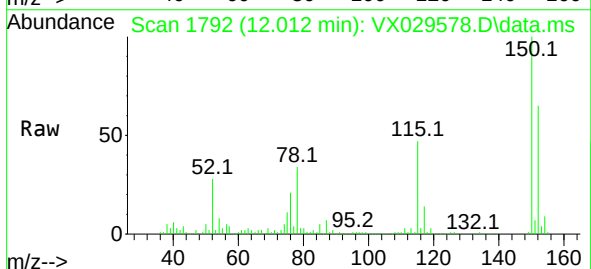
Tgt Ion:119 Resp: 2723

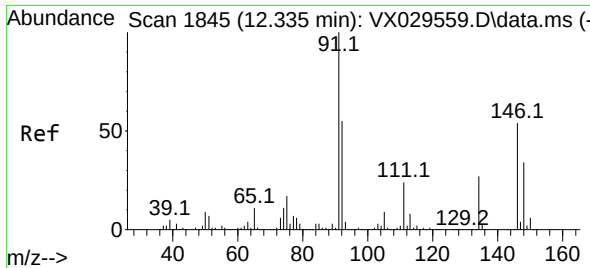
Ion Ratio Lower Upper

119 100

134 53.8 13.0 39.0#

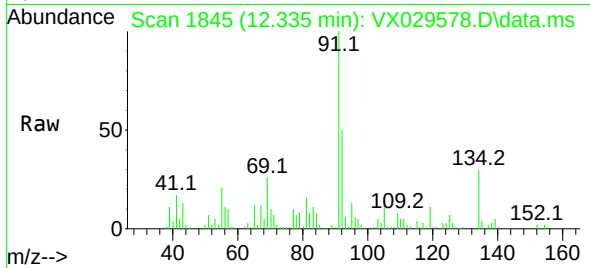
91 56.0 11.3 33.9#





#89
n-Butylbenzene
Concen: 2.960 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

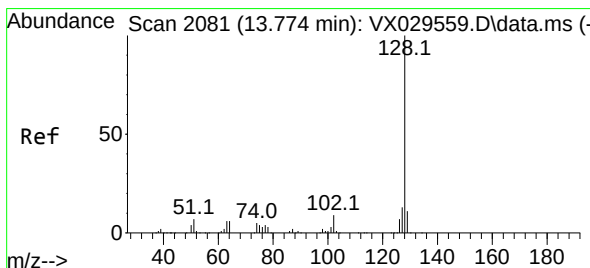
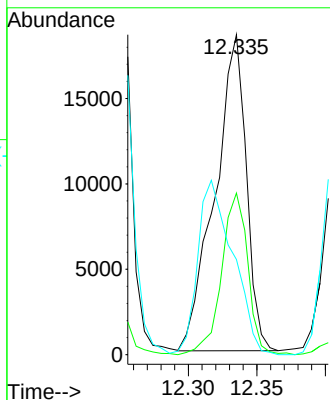
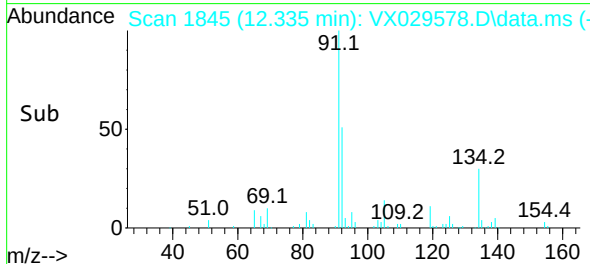
Instrument :
MSVOA_X
Client Sample Id :
MW-3



Tgt Ion: 91 Resp: 29489
Ion Ratio Lower Upper
91 100
92 42.8 27.8 83.3
134 61.8 13.3 39.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022



#95
Naphthalene
Concen: 10.660 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX029578.D
Acq: 18 Jun 2022 18:33

Tgt Ion:128 Resp: 138131
Ion Ratio Lower Upper
128 100
127 13.8 10.2 15.4
129 14.6 8.7 13.1

