

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062624\
 Data File : VX042059.D
 Acq On : 26 Jun 2024 17:35
 Operator : JC/MD
 Sample : P3073-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW12-20240625

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/27/2024
 Supervised By : Mahesh Dadoda 06/27/2024

Quant Time: Jun 27 08:56:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	141986	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	215439	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	122993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	67413	41.174	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	82.340%		
35) Dibromofluoromethane	5.391	113	66709	43.639	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.280%		
50) Toluene-d8	8.647	98	253984	47.295	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.580%		
62) 4-Bromofluorobenzene	11.079	95	104703	52.891	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.780%		
Target Compounds						
						Qvalue
16) Acetone	2.398	43	2554	3.552	ug/l	# 79
17) Carbon Disulfide	2.501	76	2069	0.829	ug/l	99
19) Methyl tert-butyl Ether	3.129	73	1008	0.249	ug/l	93
20) Methylene Chloride	2.788	84	918	0.583	ug/l	94
31) Cyclohexane	5.476	56	1393	0.728	ug/l	# 81
39) Methylcyclohexane	7.379	83	77496	37.749	ug/l	92
40) Benzene	6.037	78	24837	4.537	ug/l	99
44) Trichloroethene	7.135	130	903	0.615	ug/l	72
52) Toluene	8.720	92	7980	2.289	ug/l	96
67) Ethyl Benzene	10.195	91	2162437	305.561	ug/l	94
68) m/p-Xylenes	10.305	106	76603	26.815	ug/l	90
69) o-Xylene	10.640	106	68021	24.050	ug/l	92
73) Isopropylbenzene	10.963	105	786140	105.120	ug/l	96
78) n-propylbenzene	11.305	91	893725	110.142	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	295334	47.413	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	2159869	345.616	ug/l	89
85) sec-Butylbenzene	11.890	105	40868m	5.286	ug/l	
86) p-Isopropyltoluene	12.012	119	75299m	11.150	ug/l	
89) n-Butylbenzene	12.329	91	100304	19.295	ug/l	# 18
95) Naphthalene	13.780	128	11203060	1252.211	ug/l	# 87

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

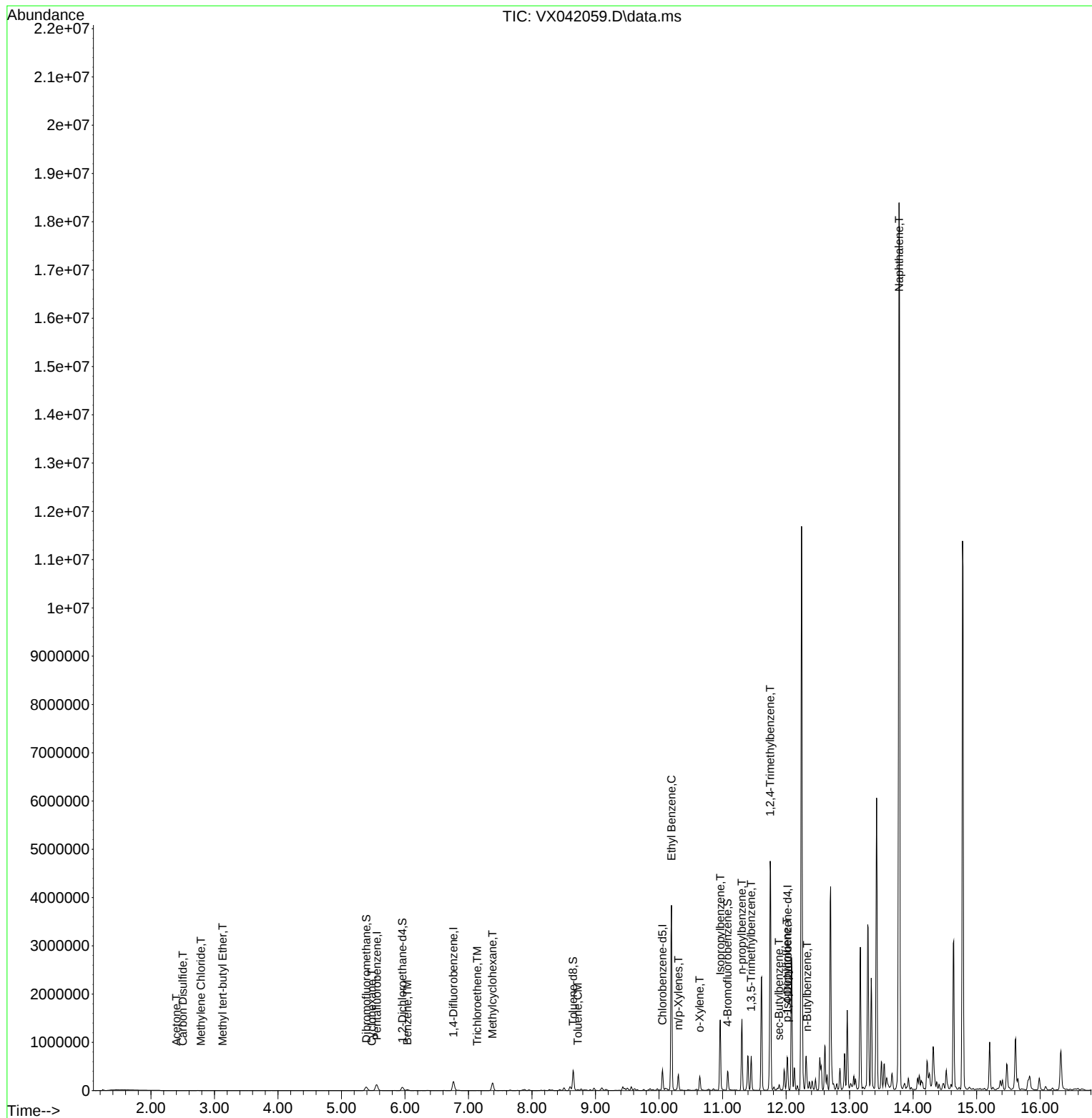
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062624\
Data File : VX042059.D
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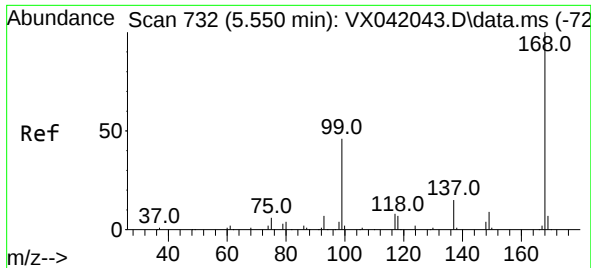
Instrument :
MSVOA_X
ClientSampleId :
MW12-20240625

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration





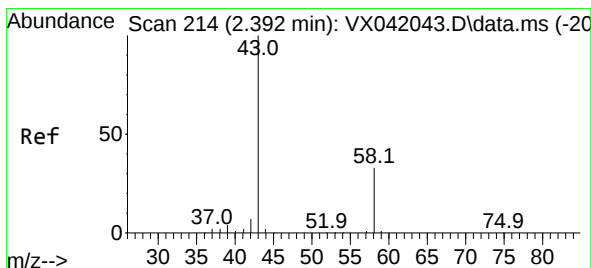
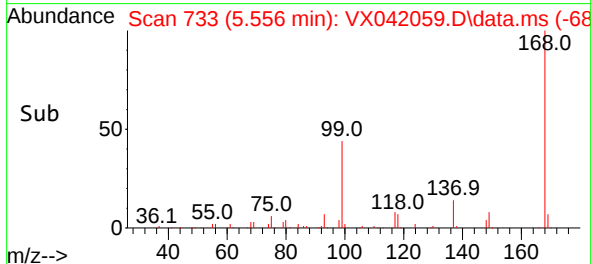
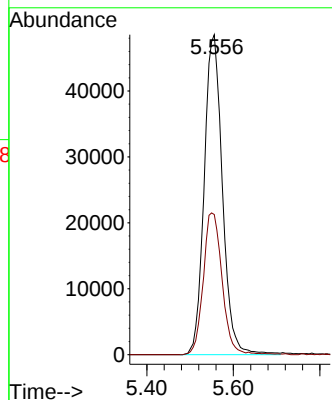
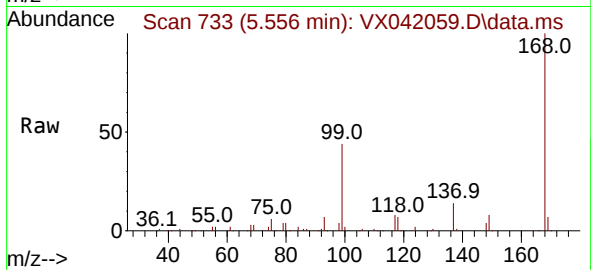
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35

Instrument :
MSVOA_X
ClientSampleId :
MW12-20240625

Tgt Ion:168 Resp: 141980
Ion Ratio Lower Upper
168 100
99 43.8 56.6 85.0

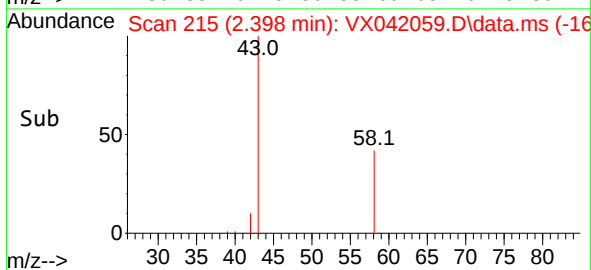
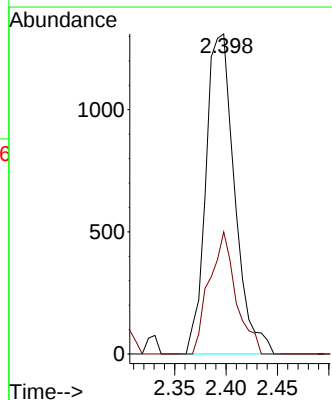
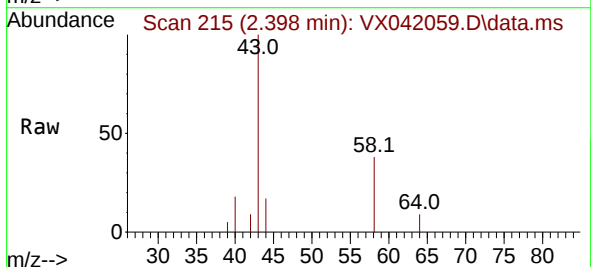
Manual Integrations
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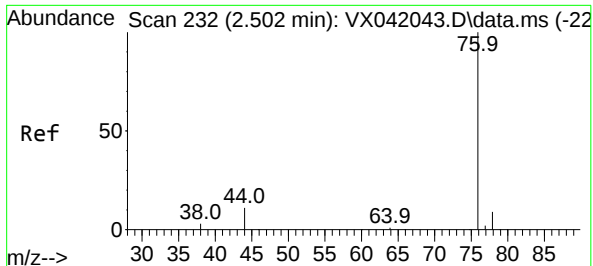
Reviewed By :John Carlone 06/27/2024
Supervised By :Mahesh Dadoda 06/27/2024



#16
Acetone
Concen: 3.552 ug/l
RT: 2.398 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35

Tgt Ion: 43 Resp: 2554
Ion Ratio Lower Upper
43 100
58 38.2 21.9 32.9





#17

Carbon Disulfide

Concen: 0.829 ug/l

RT: 2.501 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX042059.D

Acq: 26 Jun 2024 17:35

Instrument :

MSVOA_X

ClientSampleId :

MW12-20240625

Tgt Ion: 76 Resp: 2069

Ion Ratio Lower Upper

76 100

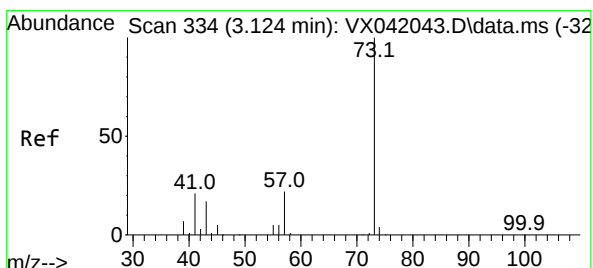
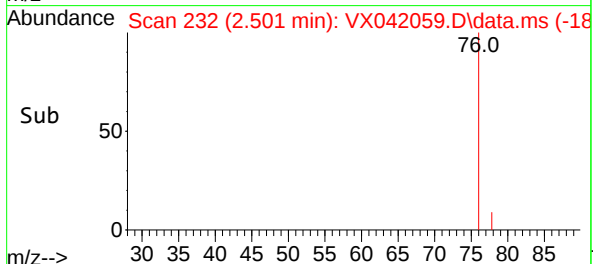
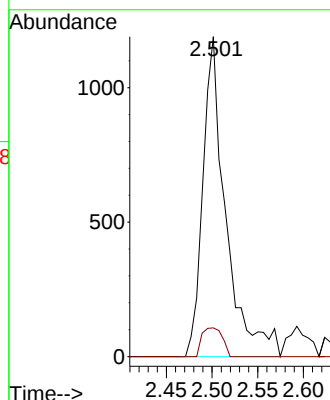
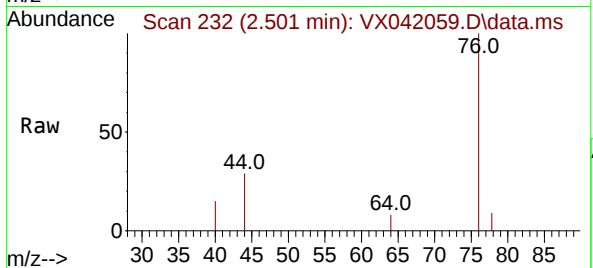
78 9.0 7.0 10.6

Manual Integrations

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Supervised By :Mahesh Dadoda 06/27/2024



#19

Methyl tert-butyl Ether

Concen: 0.249 ug/l

RT: 3.129 min Scan# 335

Delta R.T. 0.006 min

Lab File: VX042059.D

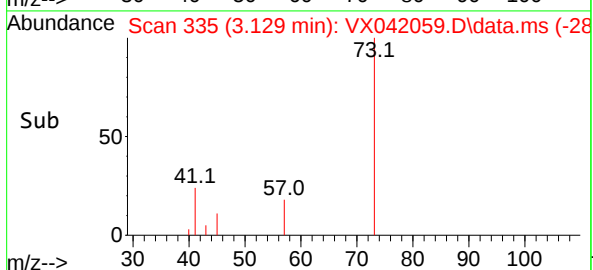
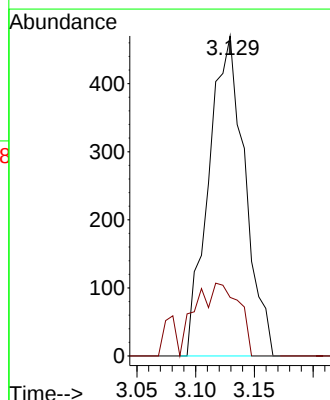
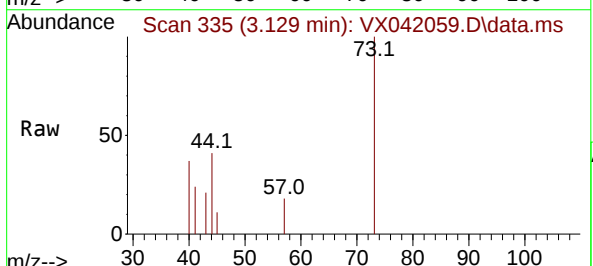
Acq: 26 Jun 2024 17:35

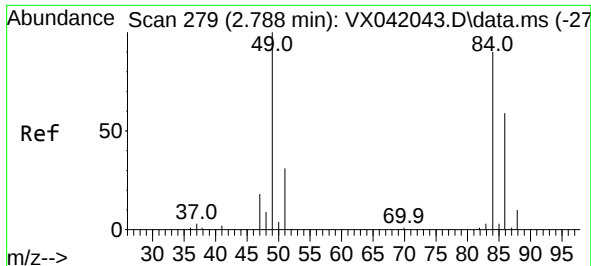
Tgt Ion: 73 Resp: 1008

Ion Ratio Lower Upper

73 100

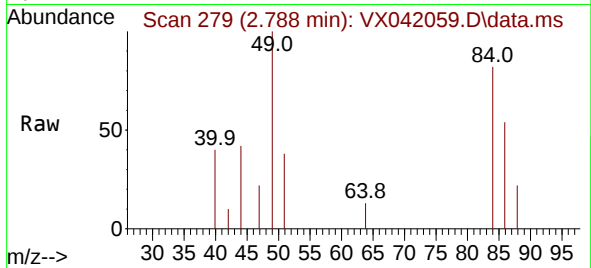
57 18.3 17.3 25.9





#20
Methylene Chloride
Concen: 0.583 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35

Instrument :
MSVOA_X
ClientSampleId :
MW12-20240625

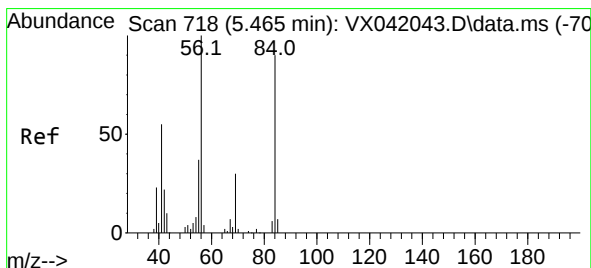
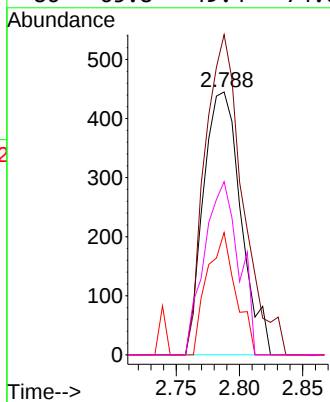
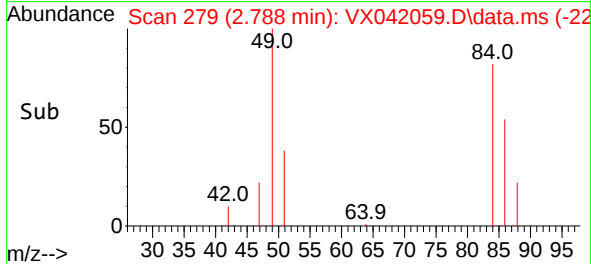


Tgt Ion: 84 Resp: 918

Ion	Ratio	Lower	Upper
84	100		
49	121.8	103.6	155.4
51	46.5	33.8	50.6
86	65.8	49.4	74.0

Manual Integrations
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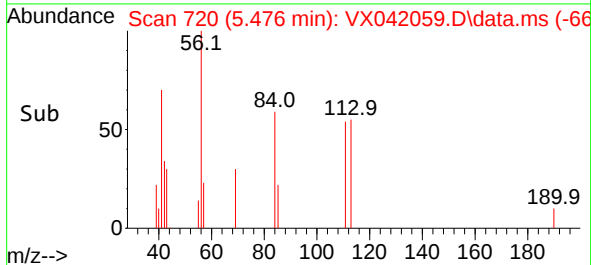
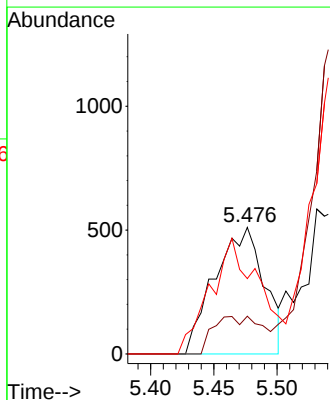
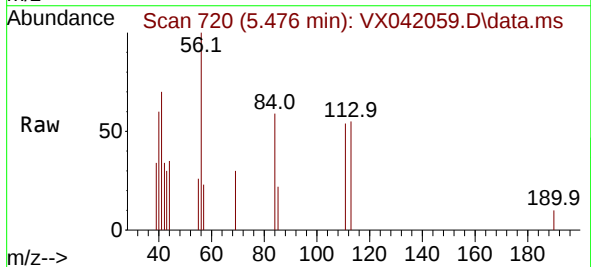
Reviewed By :John Carlone 06/27/2024
Supervised By :Mahesh Dadoda 06/27/2024

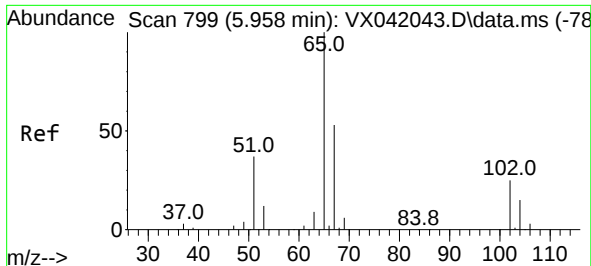


#31
Cyclohexane
Concen: 0.728 ug/l
RT: 5.476 min Scan# 720
Delta R.T. 0.012 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35

Tgt Ion: 56 Resp: 1393

Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.4	35.2
84	59.5	65.9	98.9#





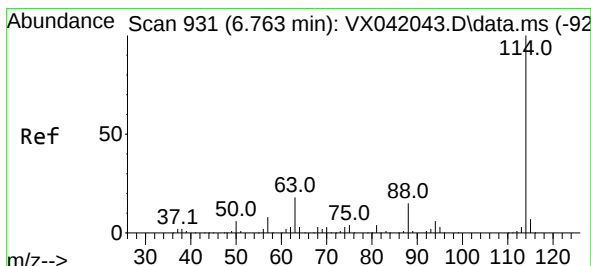
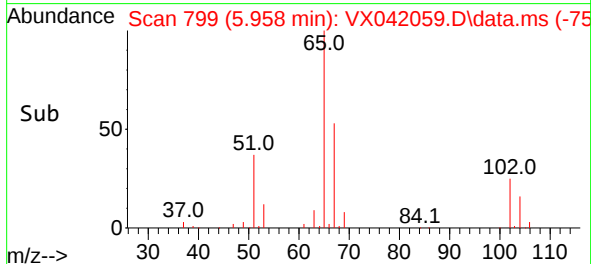
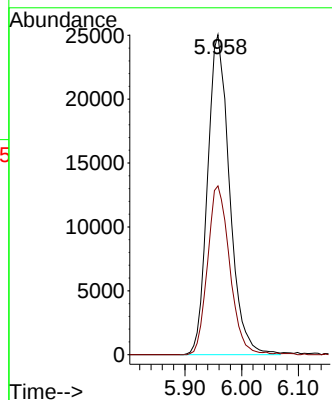
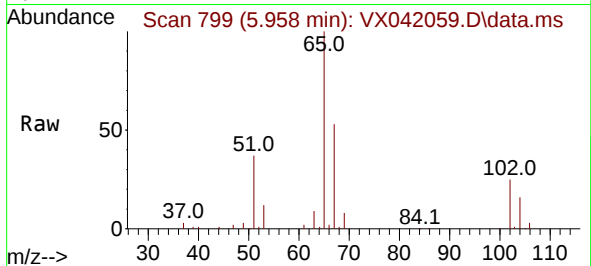
#33
 1,2-Dichloroethane-d4
 Concen: 41.174 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX042059.D
 Acq: 26 Jun 2024 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 MW12-20240625

Tgt Ion: 65 Resp: 6741
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 100.2

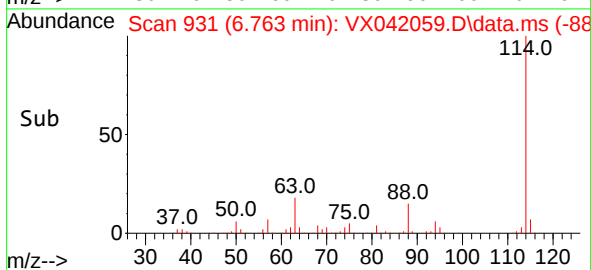
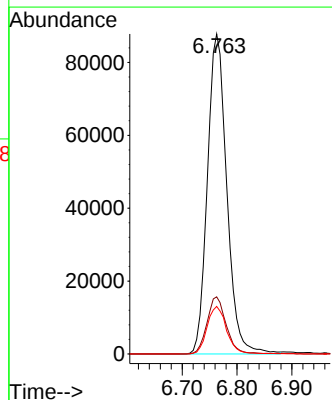
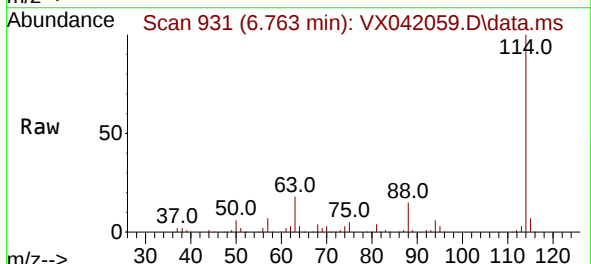
Manual Integrations
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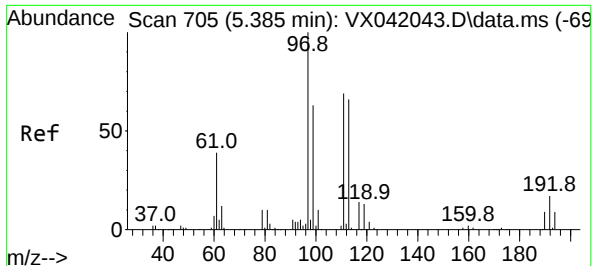
Reviewed By :John Carlone 06/27/2024
 Supervised By :Mahesh Dadoda 06/27/2024



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX042059.D
 Acq: 26 Jun 2024 17:35

Tgt Ion:114 Resp: 215439
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 45.0
 88 14.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 43.639 ug/l

RT: 5.391 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX042059.D

Acq: 26 Jun 2024 17:35

Instrument :

MSVOA_X

ClientSampleId :

MW12-20240625

Tgt Ion:113 Resp: 66709

Ion Ratio Lower Upper

113 100

111 102.2 82.9 124.3

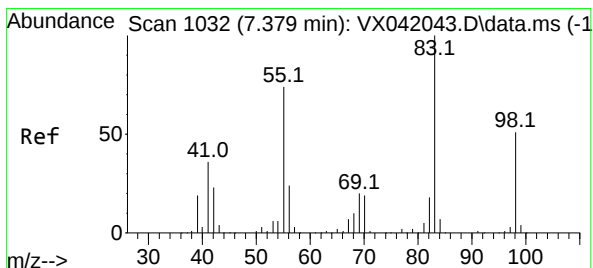
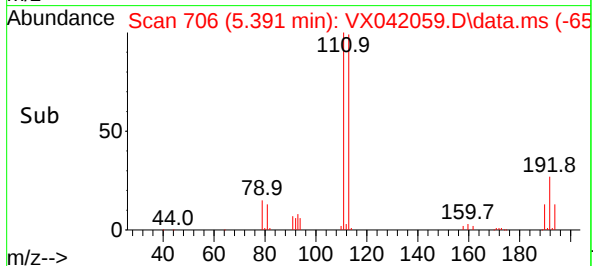
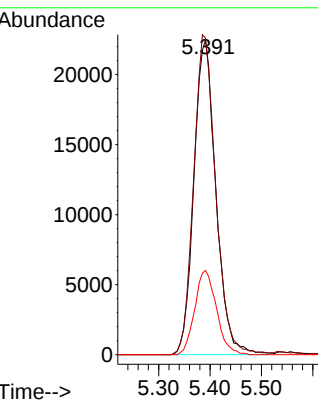
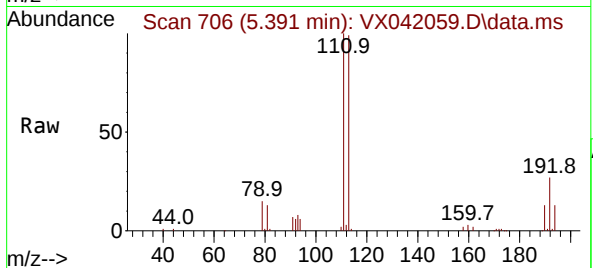
192 26.5 13.3 19.9

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 06/27/2024



#39

Methylcyclohexane

Concen: 37.749 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX042059.D

Acq: 26 Jun 2024 17:35

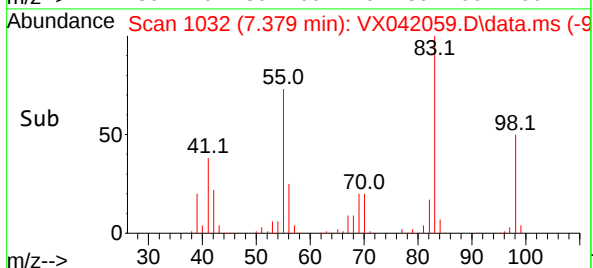
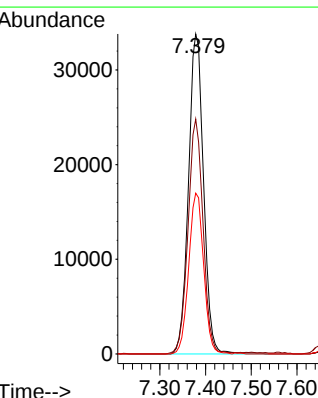
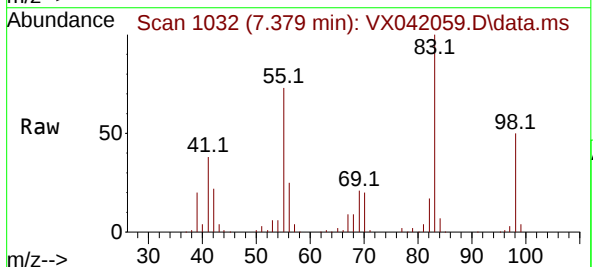
Tgt Ion: 83 Resp: 77496

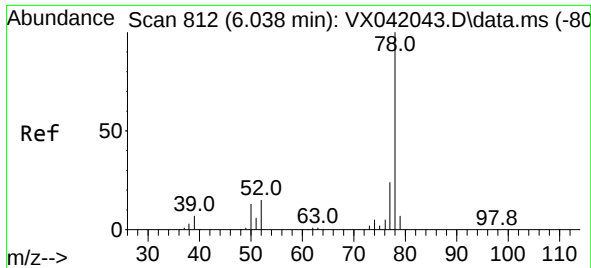
Ion Ratio Lower Upper

83 100

55 73.2 64.6 97.0

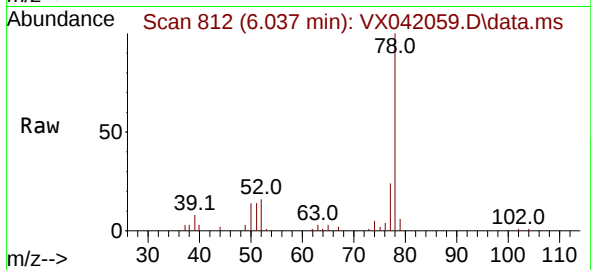
98 50.2 36.7 55.1





#40
Benzene
Concen: 4.537 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35

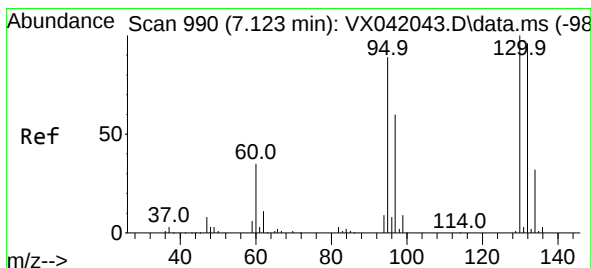
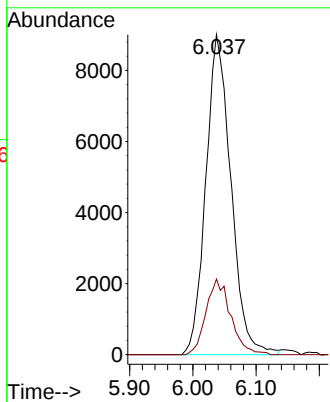
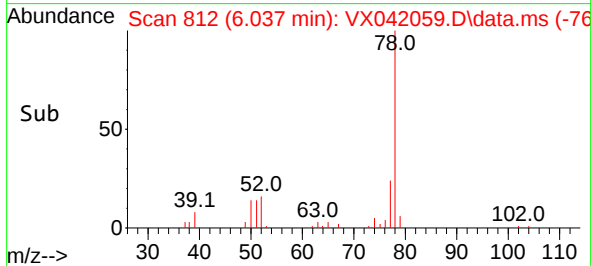
Instrument :
MSVOA_X
ClientSampleId :
MW12-20240625



Tgt Ion: 78 Resp: 2483
Ion Ratio Lower Upper
78 100
77 23.6 19.3 28.9

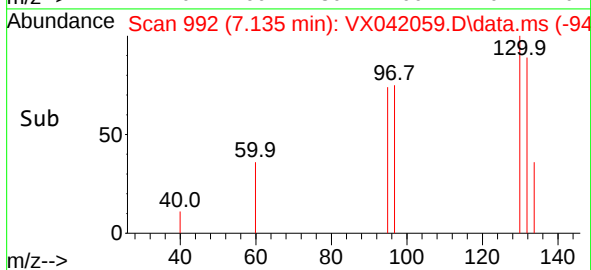
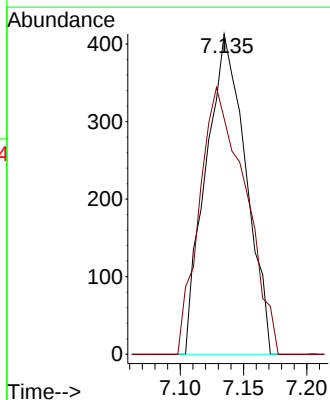
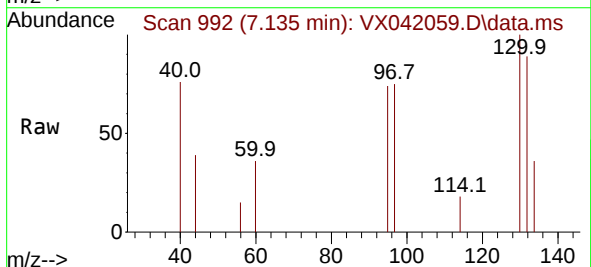
Manual Integrations
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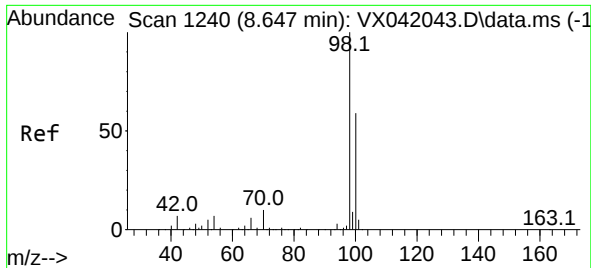
Reviewed By :John Carlone 06/27/2024
Supervised By :Mahesh Dadoda 06/27/2024



#44
Trichloroethene
Concen: 0.615 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35

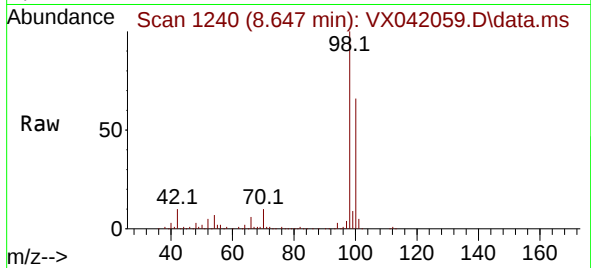
Tgt Ion:130 Resp: 903
Ion Ratio Lower Upper
130 100
95 73.6 0.0 204.4





#50
Toluene-d8
Concen: 47.295 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35

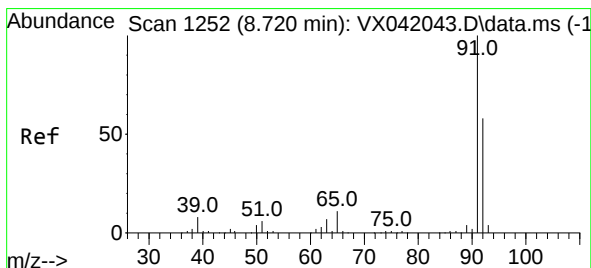
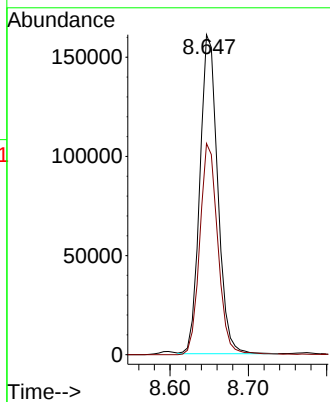
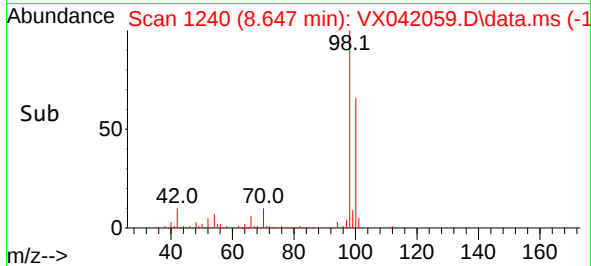
Instrument :
MSVOA_X
ClientSampleId :
MW12-20240625



Tgt Ion: 98 Resp: 253984
Ion Ratio Lower Upper
98 100
100 67.2 53.1 79.7

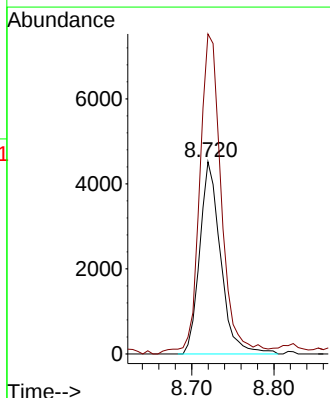
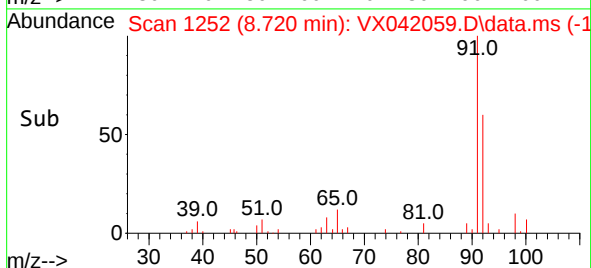
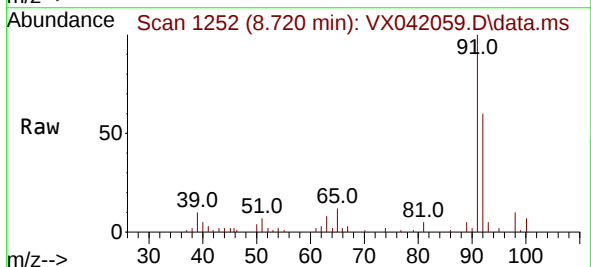
Manual Integrations
APPROVED

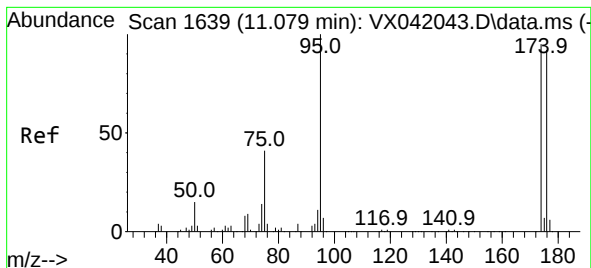
Reviewed By :John Carlone 06/27/2024
Supervised By :Mahesh Dadoda 06/27/2024



#52
Toluene
Concen: 2.289 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35

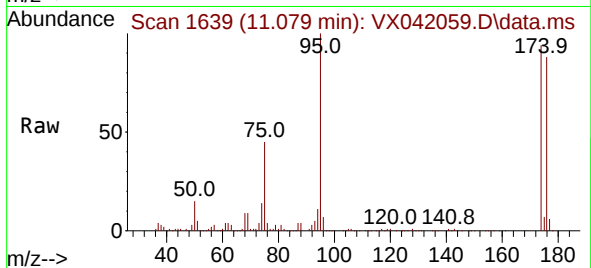
Tgt Ion: 92 Resp: 7980
Ion Ratio Lower Upper
92 100
91 172.7 134.2 201.2





#62
4-Bromofluorobenzene
Concen: 52.891 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35

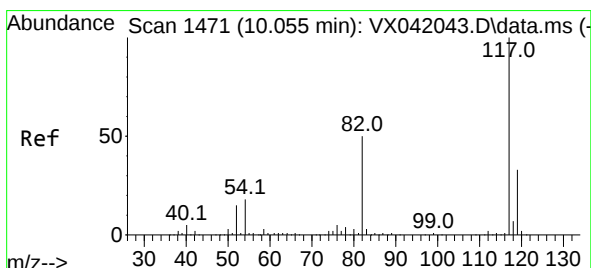
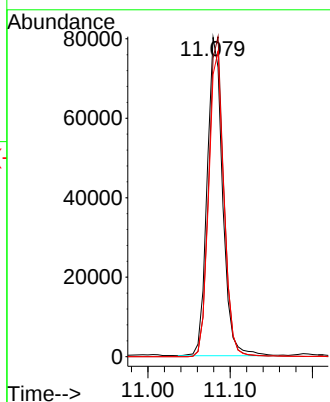
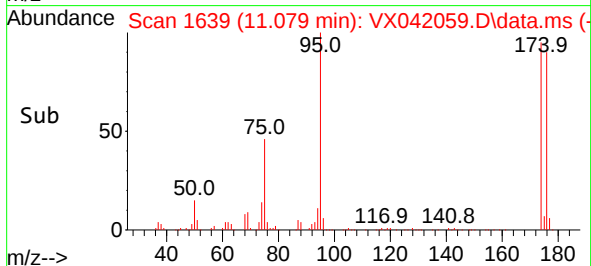
Instrument :
MSVOA_X
ClientSampleId :
MW12-20240625



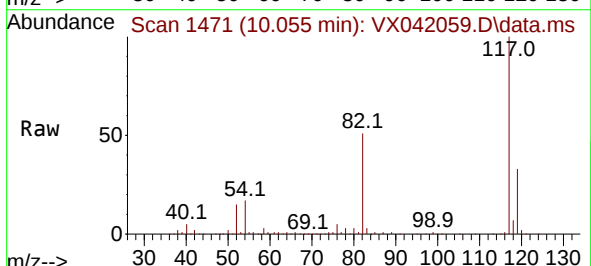
Tgt Ion: 95 Resp: 10470
Ion Ratio Lower Upper
95 100
174 98.3 0.0 135.6
176 94.6 0.0 131.0

Manual Integrations
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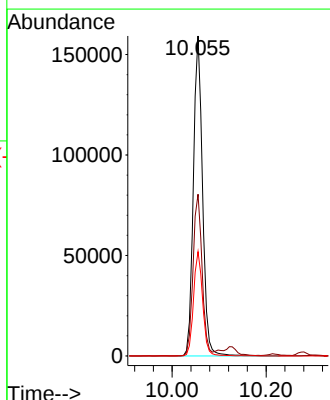
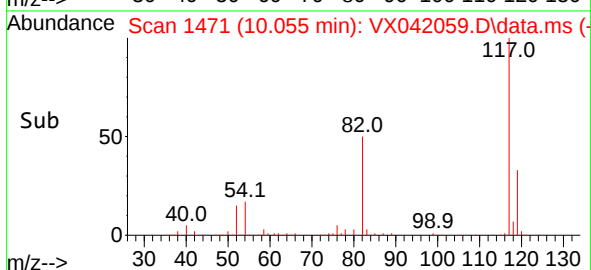
Reviewed By :John Carlone 06/27/2024
Supervised By :Mahesh Dadoda 06/27/2024

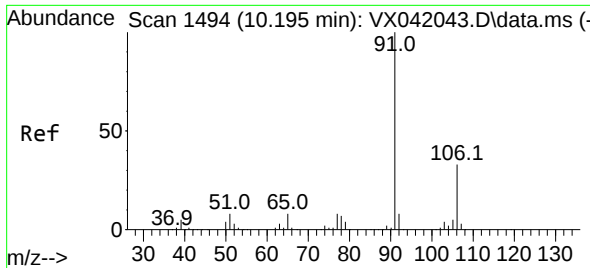


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35



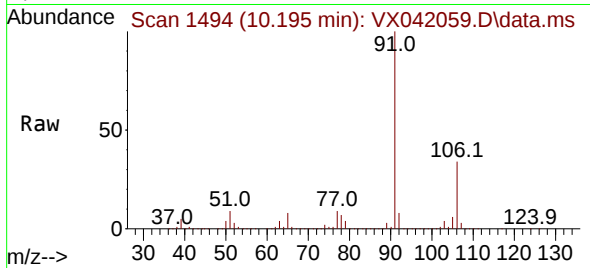
Tgt Ion:117 Resp: 217130
Ion Ratio Lower Upper
117 100
82 50.4 46.2 69.4
119 32.6 25.5 38.3





#67
Ethyl Benzene
Concen: 305.561 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35

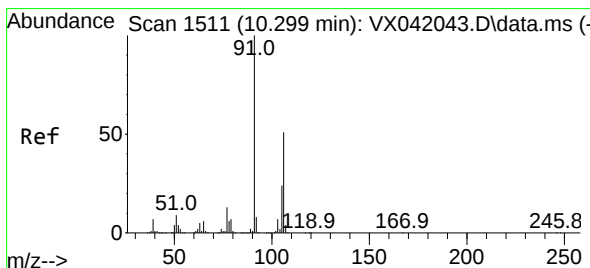
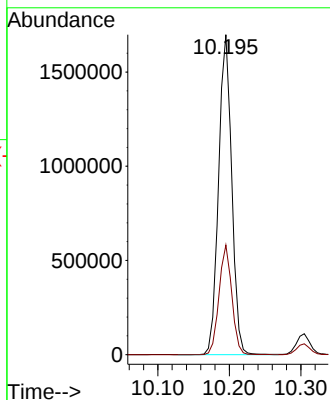
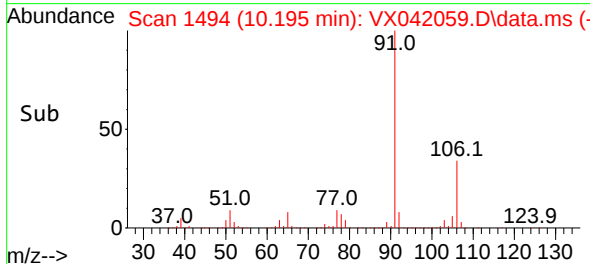
Instrument :
MSVOA_X
ClientSampleId :
MW12-20240625



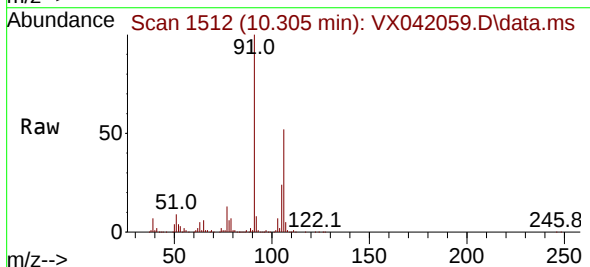
Tgt Ion: 91 Resp: 216243
Ion Ratio Lower Upper
91 100
106 34.2 24.9 37.3

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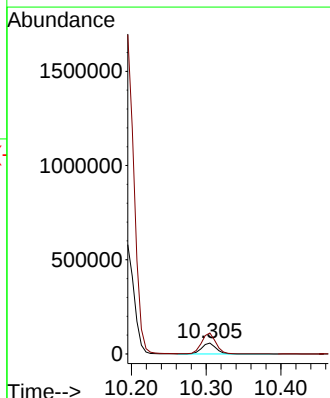
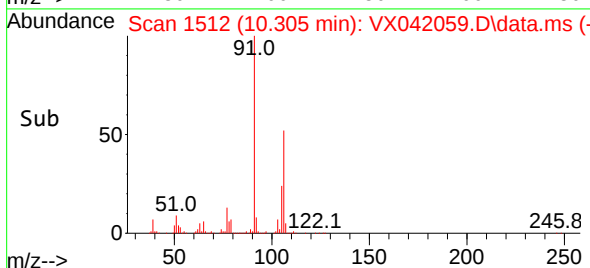
Reviewed By :John Carlone 06/27/2024
Supervised By :Mahesh Dadoda 06/27/2024

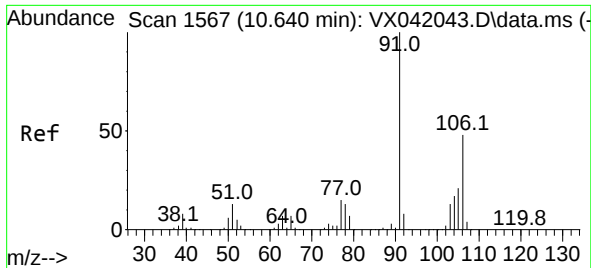


#68
m/p-Xylenes
Concen: 26.815 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35



Tgt Ion:106 Resp: 76603
Ion Ratio Lower Upper
106 100
91 191.8 165.5 248.3





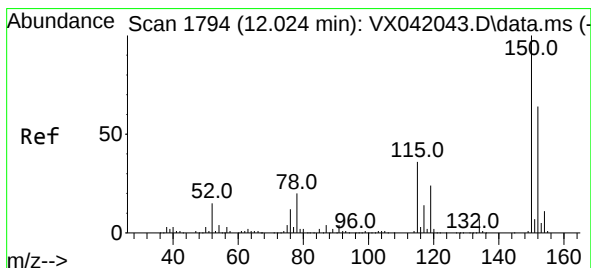
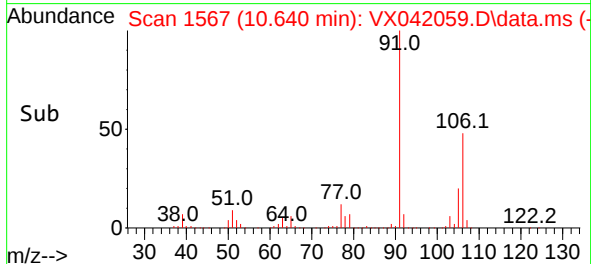
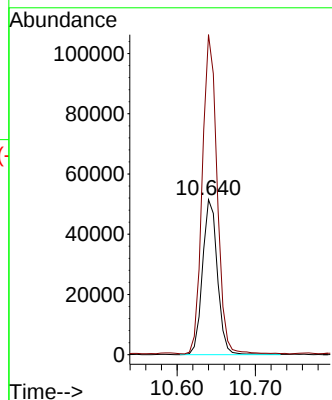
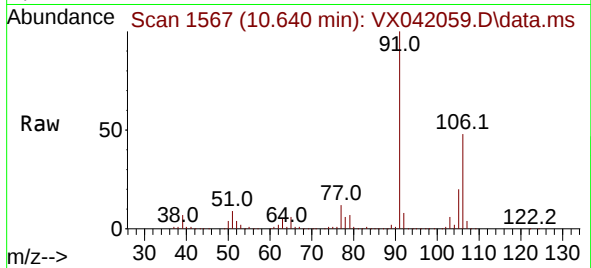
#69
o-Xylene
Concen: 24.050 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35

Instrument :
MSVOA_X
ClientSampleId :
MW12-20240625

Tgt Ion:106 Resp: 6802
Ion Ratio Lower Upper
106 100
91 205.1 108.9 326.8

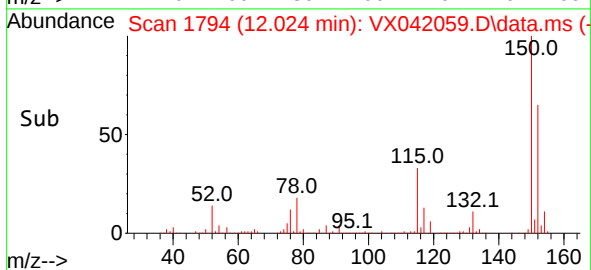
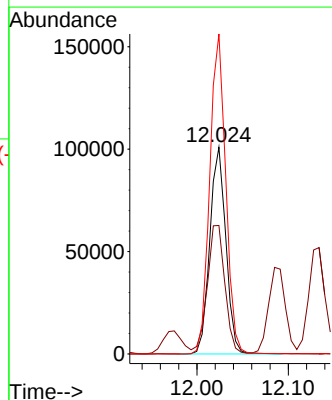
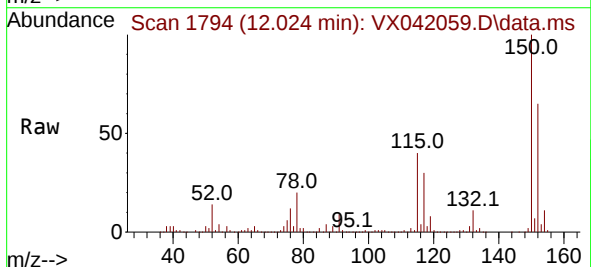
Manual Integrations
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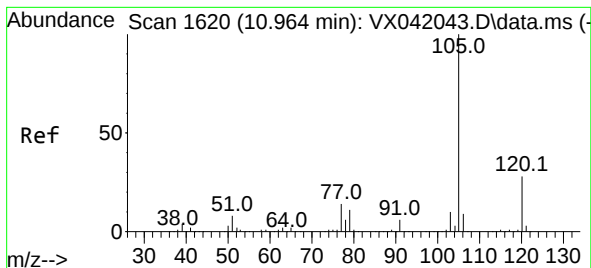
Reviewed By :John Carlone 06/27/2024
Supervised By :Mahesh Dadoda 06/27/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35

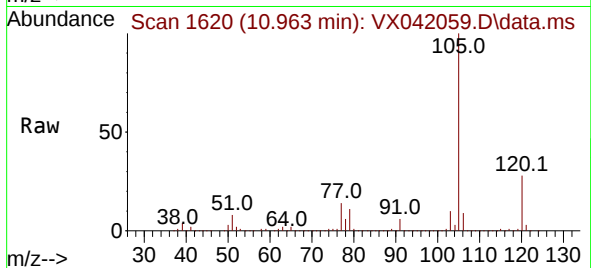
Tgt Ion:152 Resp: 122993
Ion Ratio Lower Upper
152 100
115 66.8 43.3 129.9
150 154.4 0.0 345.0





#73
Isopropylbenzene
Concen: 105.120 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35

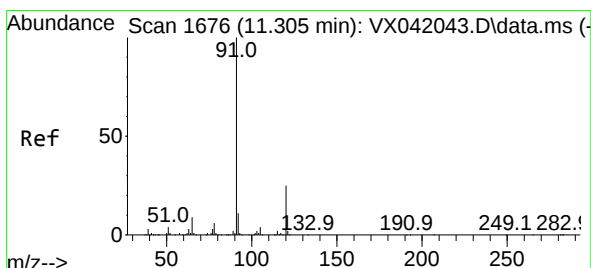
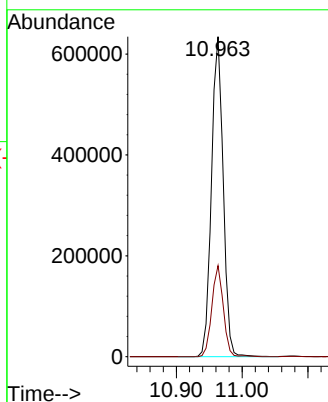
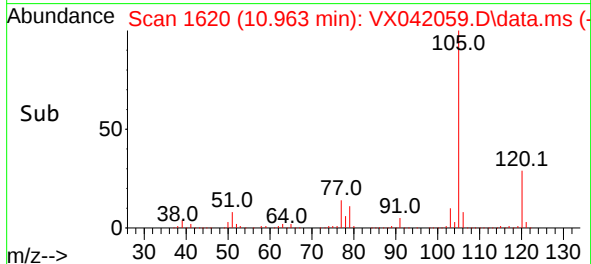
Instrument :
MSVOA_X
ClientSampleId :
MW12-20240625



Tgt Ion:105 Resp: 786140
Ion Ratio Lower Upper
105 100
120 27.9 12.9 38.6

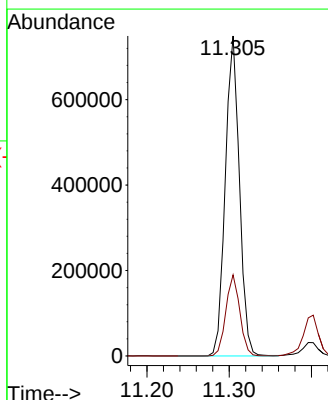
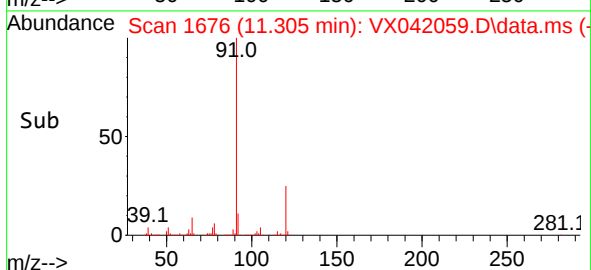
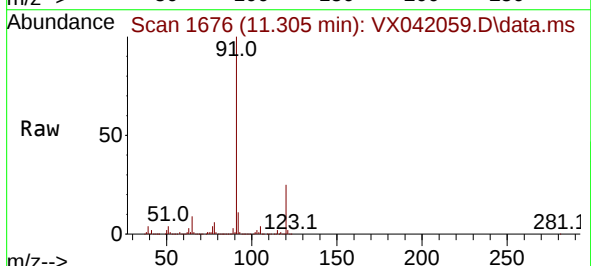
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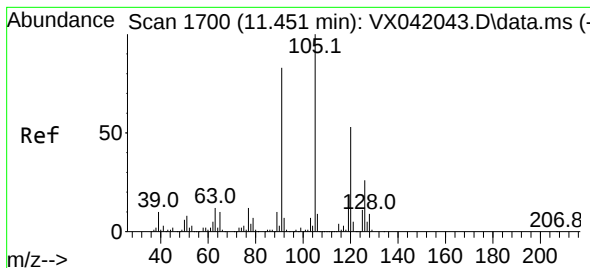
Reviewed By :John Carlone 06/27/2024
Supervised By :Mahesh Dadoda 06/27/2024



#78
n-propylbenzene
Concen: 110.142 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35

Tgt Ion: 91 Resp: 893725
Ion Ratio Lower Upper
91 100
120 25.1 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 47.413 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX042059.D

Acq: 26 Jun 2024 17:35

Instrument :

MSVOA_X

ClientSampleId :

MW12-20240625

Tgt Ion:105 Resp: 295334

Ion Ratio Lower Upper

105 100

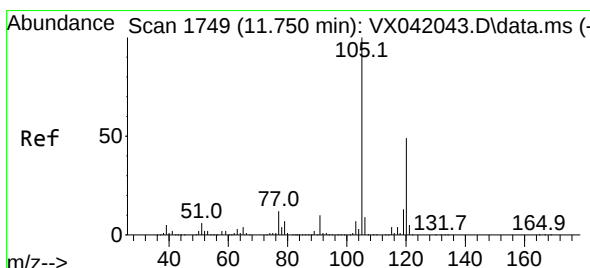
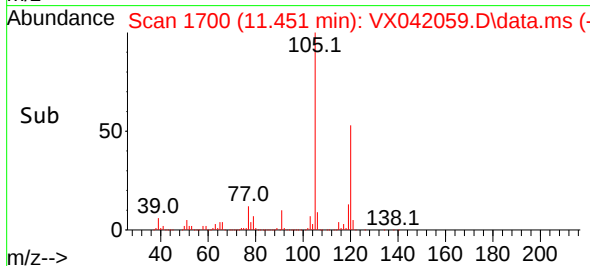
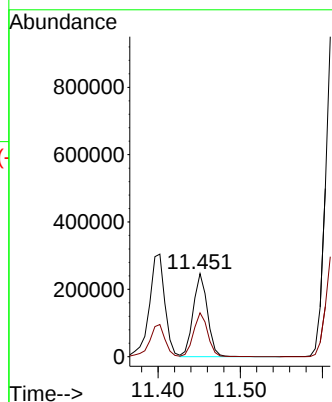
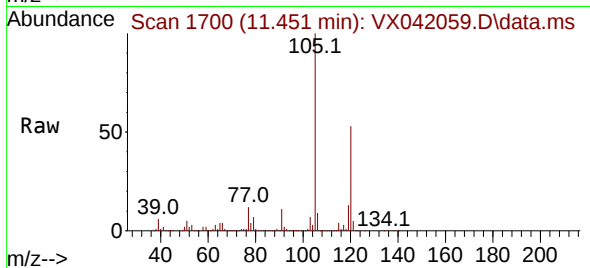
120 52.7 24.1 72.3

Manual Integrations

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Reviewed By :John Carlone 06/27/2024

Supervised By :Mahesh Dadoda 06/27/2024



#84

1,2,4-Trimethylbenzene

Concen: 345.616 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX042059.D

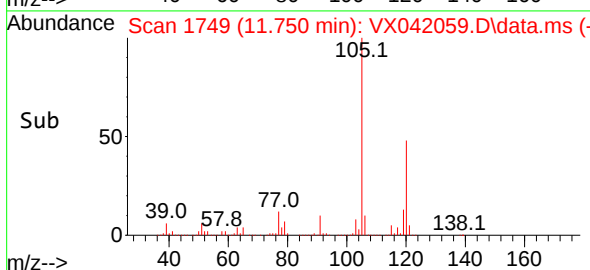
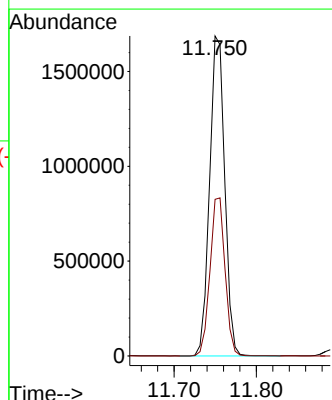
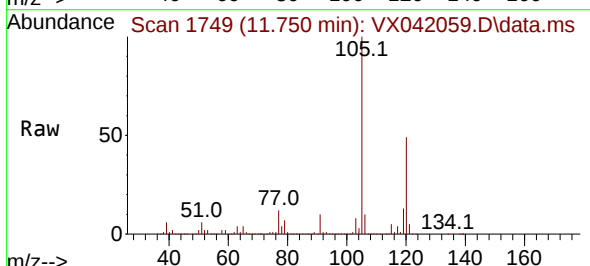
Acq: 26 Jun 2024 17:35

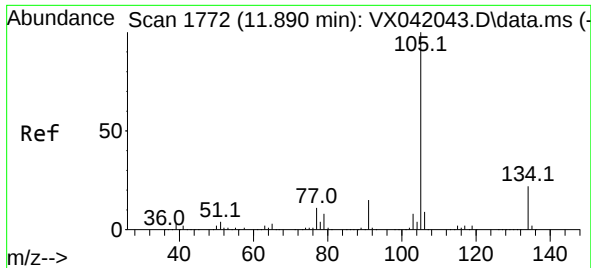
Tgt Ion:105 Resp: 2159869

Ion Ratio Lower Upper

105 100

120 49.3 21.2 63.6





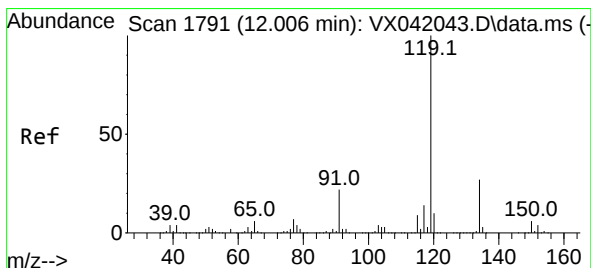
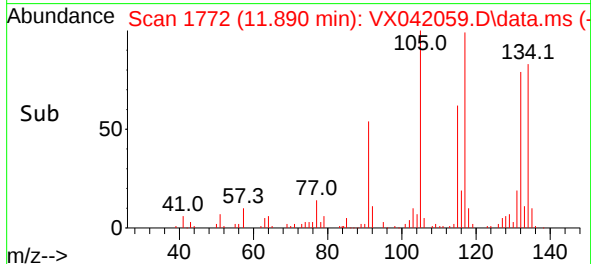
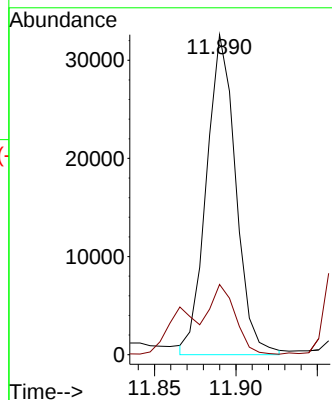
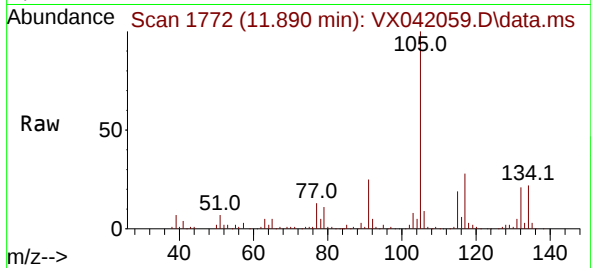
#85
 sec-Butylbenzene
 Concen: 5.286 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX042059.D
 Acq: 26 Jun 2024 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 MW12-20240625

Tgt Ion:105 Resp: 4086
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4

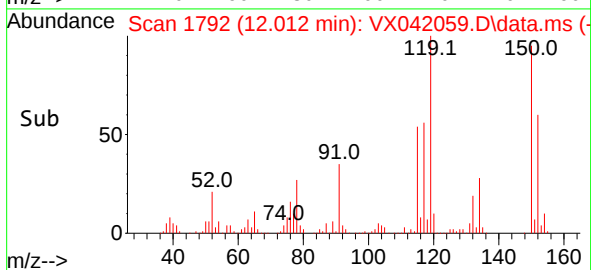
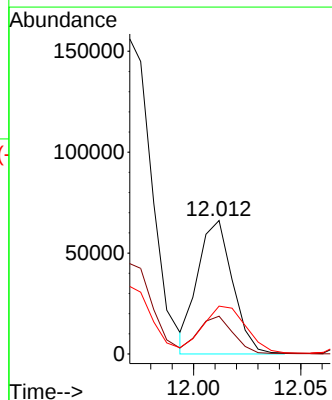
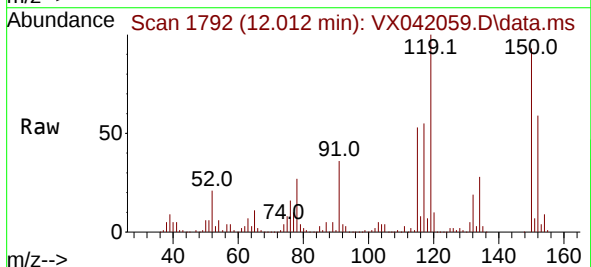
Manual Integrations
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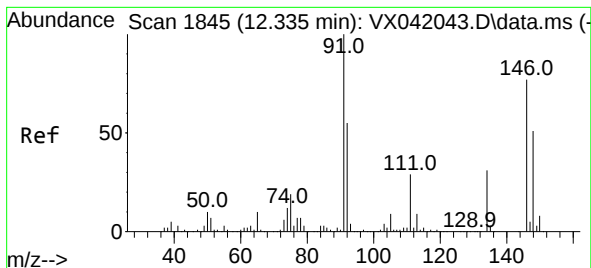
Reviewed By :John Carlone 06/27/2024
 Supervised By :Mahesh Dadoda 06/27/2024



#86
 p-Isopropyltoluene
 Concen: 11.150 ug/l m
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX042059.D
 Acq: 26 Jun 2024 17:35

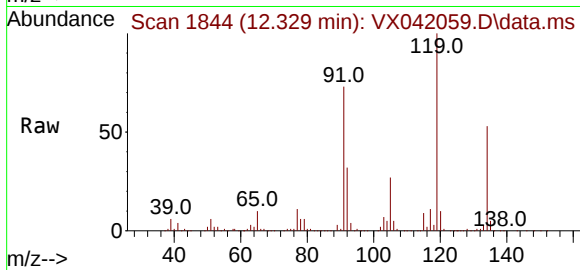
Tgt Ion:119 Resp: 75299
 Ion Ratio Lower Upper
 119 100
 134 75.5 12.8 38.3#
 91 58.0 13.1 39.3#





#89
n-Butylbenzene
Concen: 19.295 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35

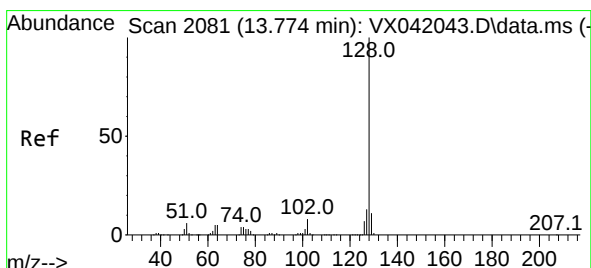
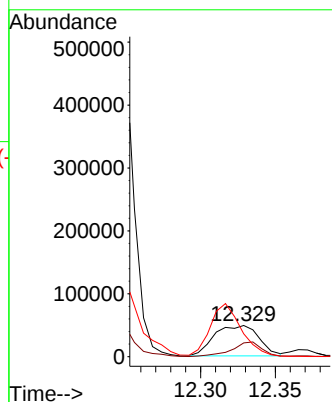
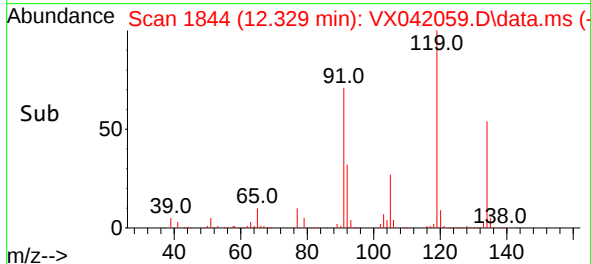
Instrument :
MSVOA_X
ClientSampleId :
MW12-20240625



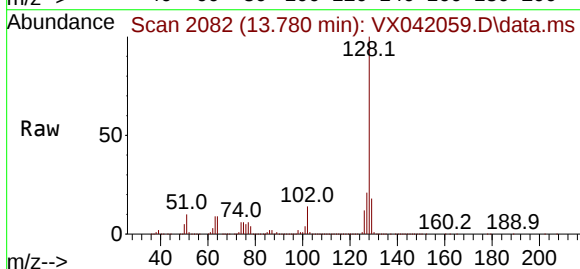
Tgt Ion: 91 Resp: 100304
Ion Ratio Lower Upper
91 100
92 32.1 27.4 82.0
134 121.8 12.6 37.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/27/2024
Supervised By :Mahesh Dadoda 06/27/2024



#95
Naphthalene
Concen: 1252.211 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042059.D
Acq: 26 Jun 2024 17:35



Tgt Ion:128 Resp:11203060
Ion Ratio Lower Upper
128 100
127 17.8 10.3 15.5#
129 15.9 8.8 13.2#

