

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102122\
 Data File : VX032291.D
 Acq On : 21 Oct 2022 16:12
 Operator : JC/MD
 Sample : N5185-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-10

Quant Time: Oct 22 05:11:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 22 04:56:40 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2022
 Supervised By :Mahesh Dadoda 10/24/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	145428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	224510	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91665	48.452	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.900%		
35) Dibromofluoromethane	5.385	113	70559	45.164	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.320%		
50) Toluene-d8	8.653	98	274033	48.728	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.460%		
62) 4-Bromofluorobenzene	11.079	95	112585	54.671	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.340%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.971	59	46371	166.312	ug/l #	74
16) Acetone	2.380	43	16093m	26.212	ug/l	
19) Methyl tert-butyl Ether	3.111	73	126962m	28.384	ug/l	
22) Diisopropyl ether	3.764	45	7854	1.759	ug/l #	70
25) 2-Butanone	4.574	43	13568	14.155	ug/l	99
31) Cyclohexane	5.477	56	331853	153.437	ug/l	97
39) Methylcyclohexane	7.385	83	194978	81.216	ug/l	92
40) Benzene	6.044	78	611344	104.959	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	34038	17.582	ug/l	88
52) Toluene	8.720	92	87488	23.187	ug/l	99
67) Ethyl Benzene	10.201	91	7517497	1015.820	ug/l #	86
68) m/p-Xylenes	10.305	106	2141237	732.665	ug/l	95
69) o-Xylene	10.640	106	418128	149.344	ug/l	100
73) Isopropylbenzene	10.963	105	675064	82.759	ug/l	100
78) n-propylbenzene	11.305	91	2164945	231.790	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	593222	84.197	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	2734528	399.201	ug/l	98
85) sec-Butylbenzene	11.890	105	118161	13.870	ug/l	98
86) p-Isopropyltoluene	12.012	119	9895m	1.365	ug/l	
89) n-Butylbenzene	12.335	91	232748	36.454	ug/l #	70
95) Naphthalene	13.780	128	1930782	245.118	ug/l	99

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

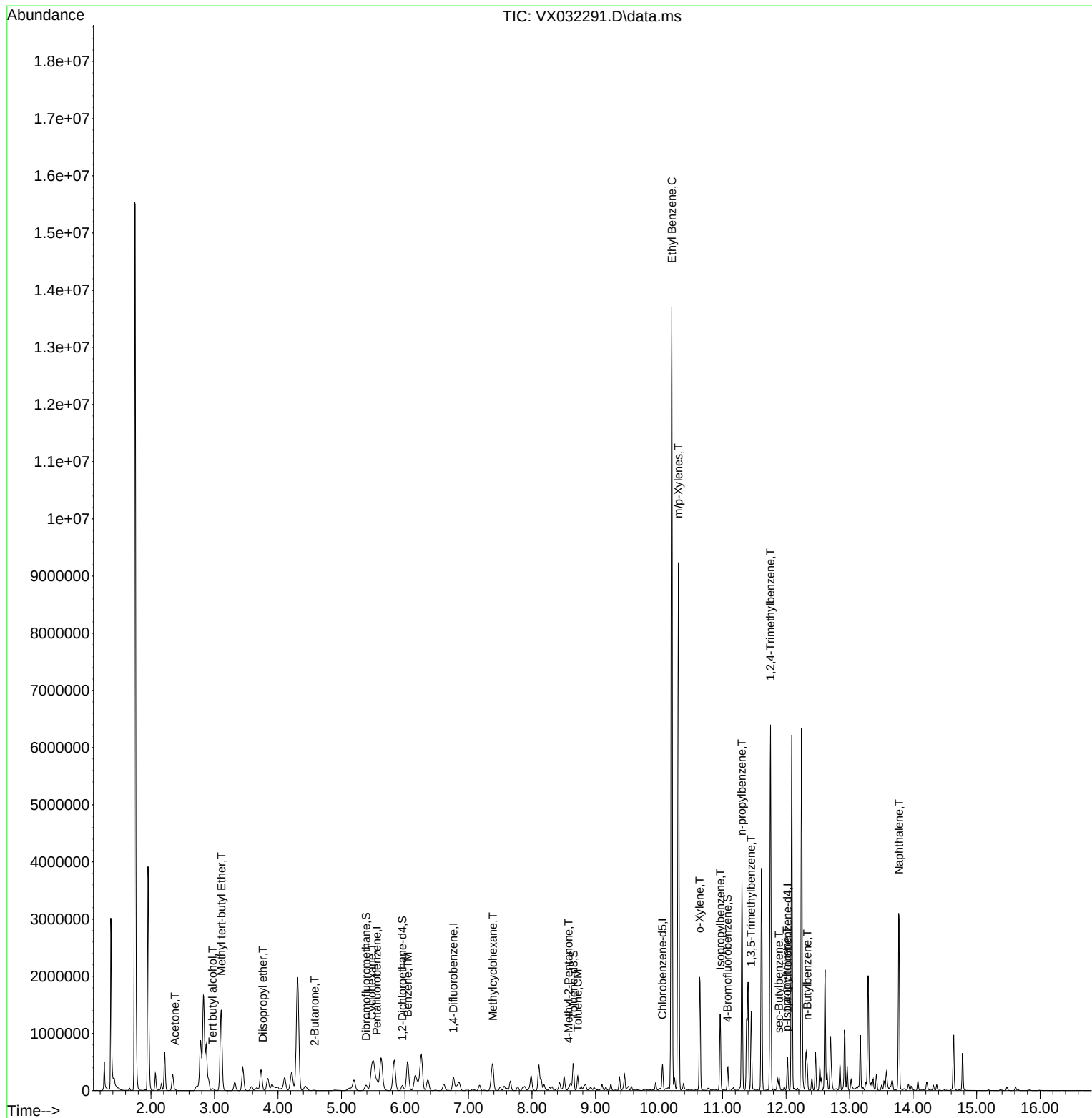
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102122\
Data File : VX032291.D
Acq On : 21 Oct 2022 16:12
Operator : JC/MD
Sample : N5185-11
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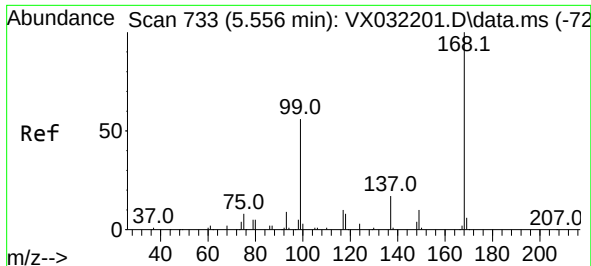
Instrument :
MSVOA_X
ClientSampleId :
MW-10

Quant Time: Oct 22 05:11:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 22 04:56:40 2022
Response via : Initial Calibration

Manual Integrations
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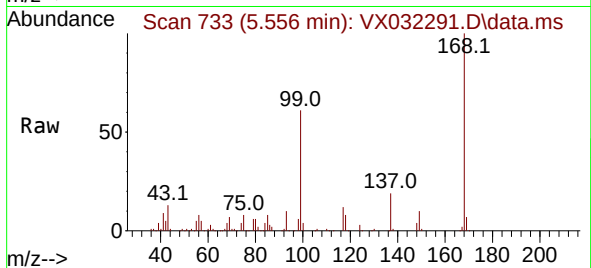
Reviewed By : John Carlone 10/24/2022
Supervised By : Mahesh Dadoda 10/24/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

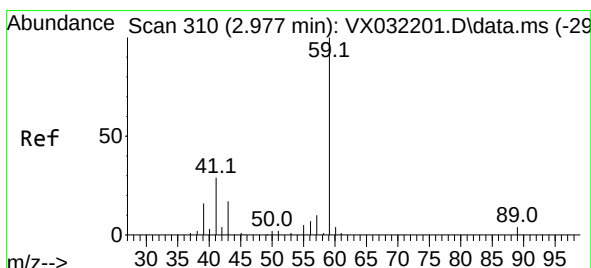
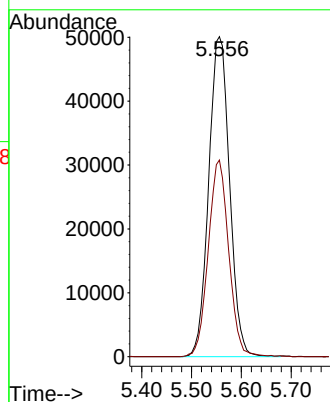
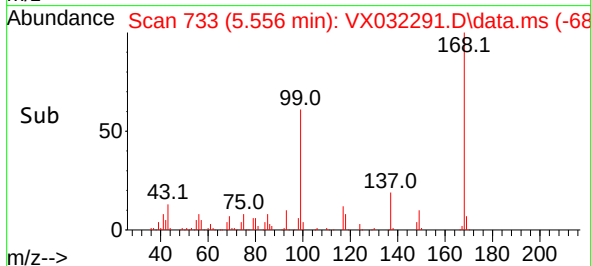
Instrument :
MSVOA_X
ClientSampleId :
MW-10



Tgt Ion:168 Resp: 145428
Ion Ratio Lower Upper
168 100
99 61.5 44.8 67.2

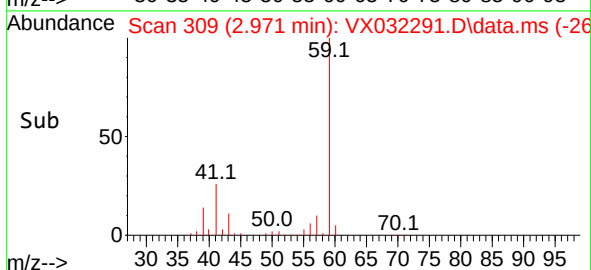
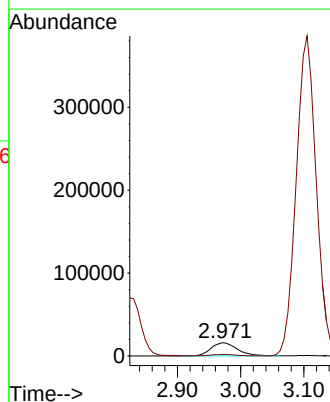
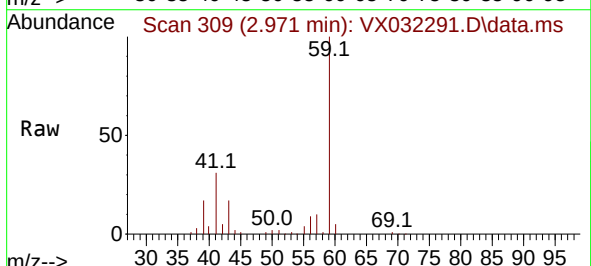
Manual Integrations
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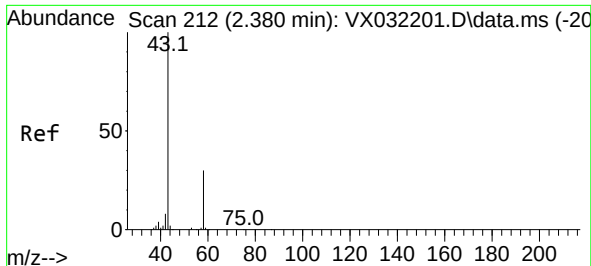
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022



#11
Tert butyl alcohol
Concen: 166.312 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

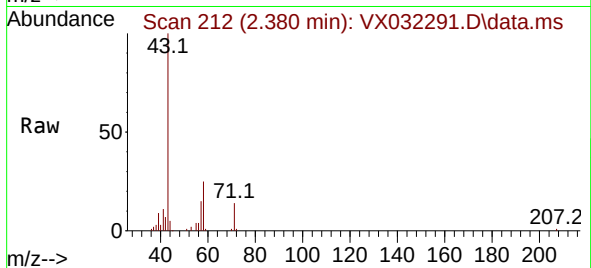
Tgt Ion: 59 Resp: 46371
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#





#16
Acetone
Concen: 26.212 ug/l m
RT: 2.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

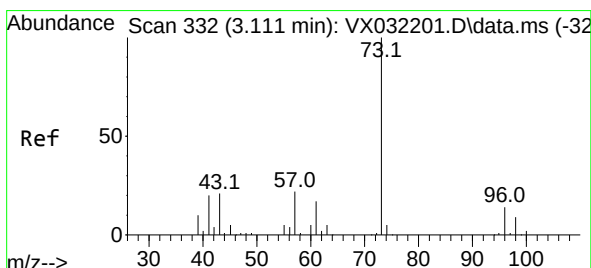
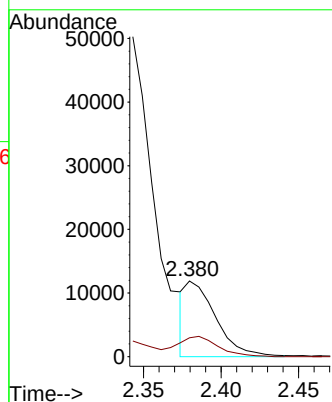
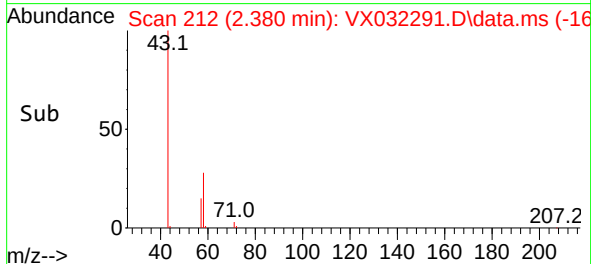
Instrument :
MSVOA_X
ClientSampleId :
MW-10



Tgt Ion: 43 Resp: 1609
Ion Ratio Lower Upper
43 100
58 25.0 24.2 36.2

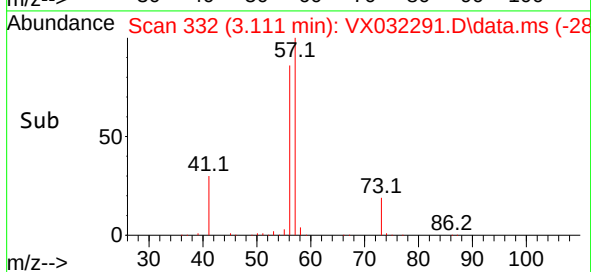
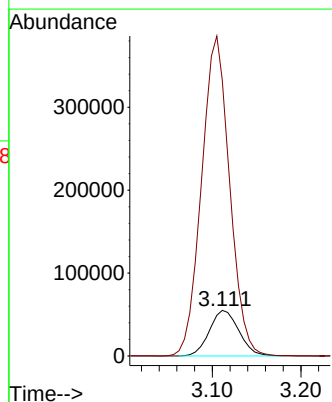
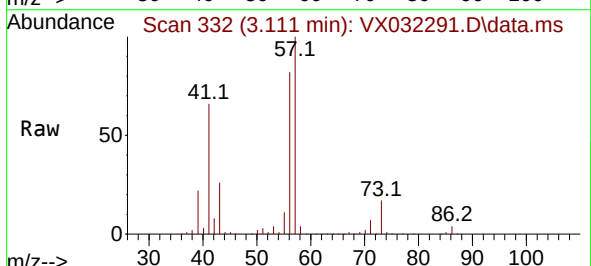
Manual Integrations
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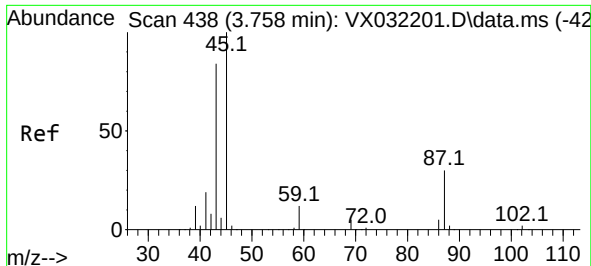
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022



#19
Methyl tert-butyl Ether
Concen: 28.384 ug/l m
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

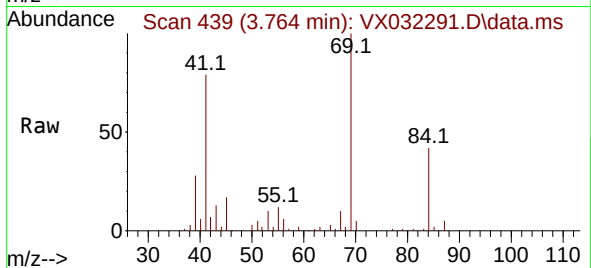
Tgt Ion: 73 Resp: 126962
Ion Ratio Lower Upper
73 100
57 605.1 17.4 26.2#





#22
Diisopropyl ether
Concen: 1.759 ug/l
RT: 3.764 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

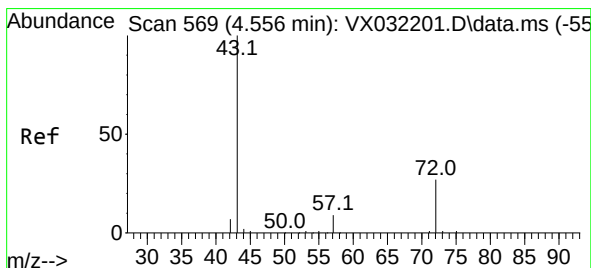
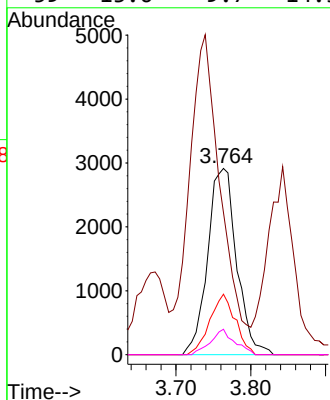
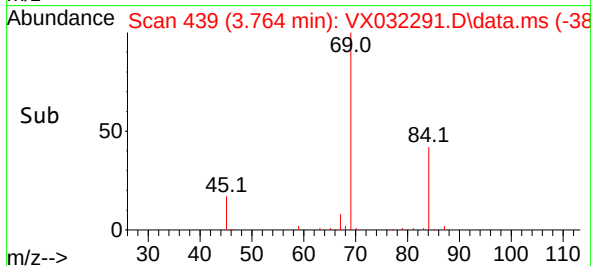
Instrument :
MSVOA_X
ClientSampleId :
MW-10



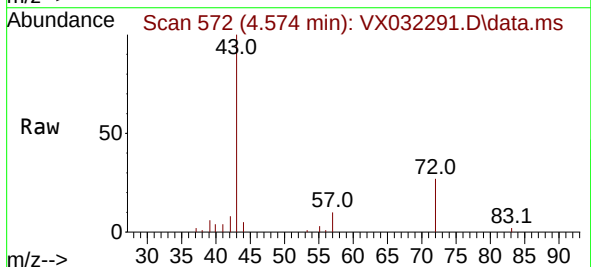
Tgt Ion: 45 Resp: 7854
Ion Ratio Lower Upper
45 100
43 45.4 67.5 101.3
87 32.4 24.0 36.0
59 13.6 9.7 14.5

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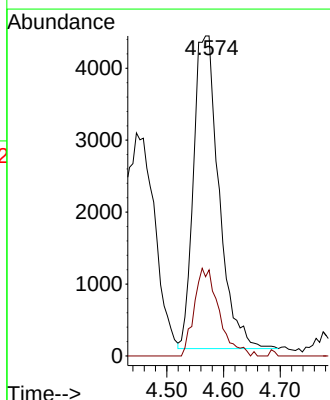
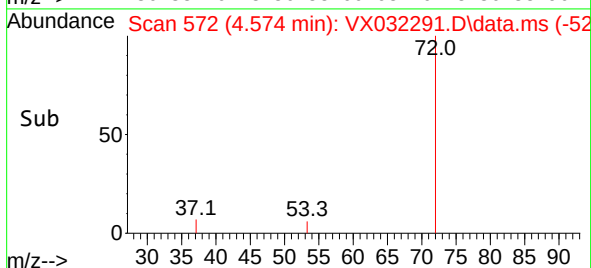
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022

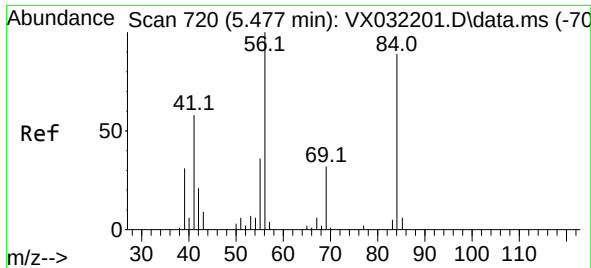


#25
2-Butanone
Concen: 14.155 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12



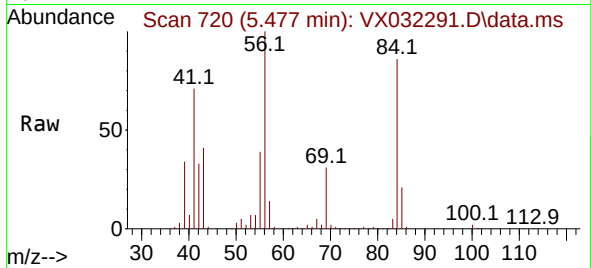
Tgt Ion: 43 Resp: 13568
Ion Ratio Lower Upper
43 100
72 27.6 21.7 32.5





#31
Cyclohexane
Concen: 153.437 ug/l
RT: 5.477 min Scan# 720
Delta R.T. -0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

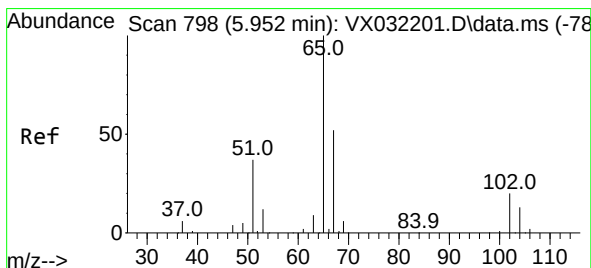
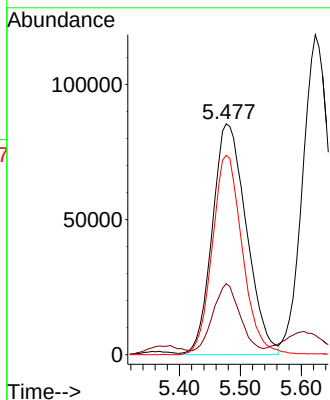
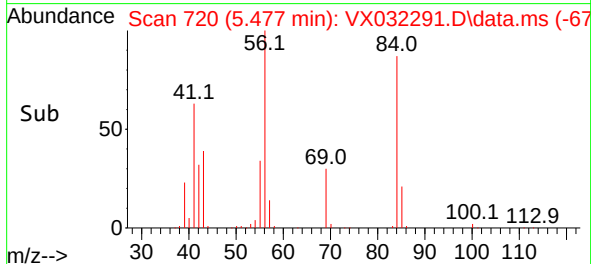
Instrument :
MSVOA_X
ClientSampleId :
MW-10



Tgt Ion: 56 Resp: 33185
Ion Ratio Lower Upper
56 100
69 28.4 25.4 38.0
84 86.8 71.2 106.8

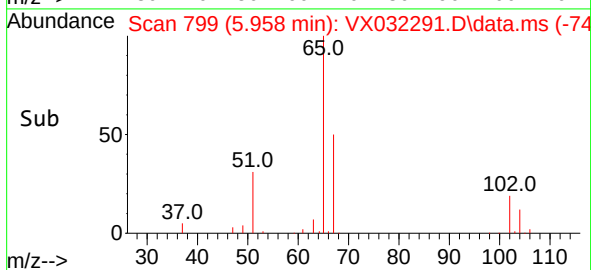
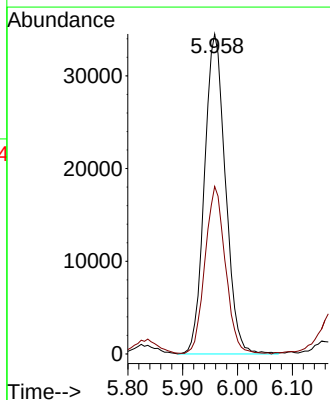
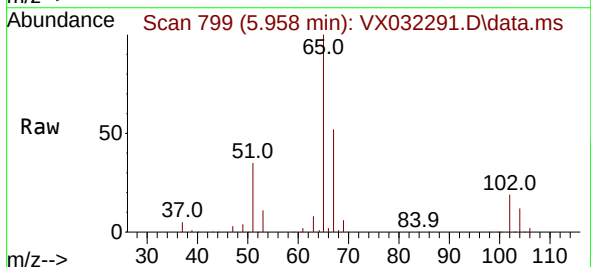
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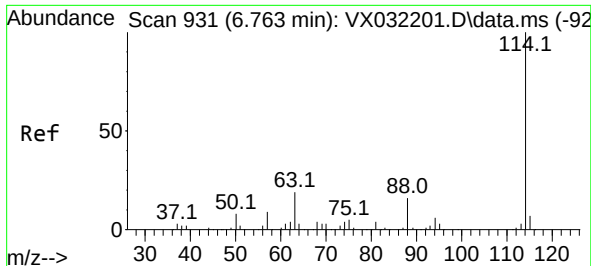
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022



#33
1,2-Dichloroethane-d4
Concen: 48.452 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

Tgt Ion: 65 Resp: 91665
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.6





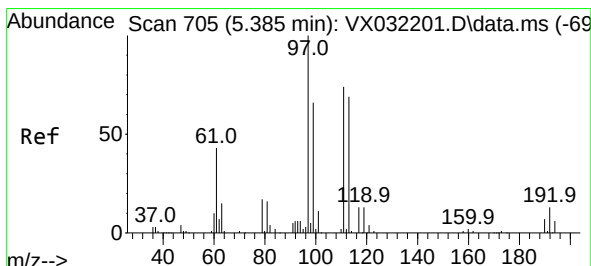
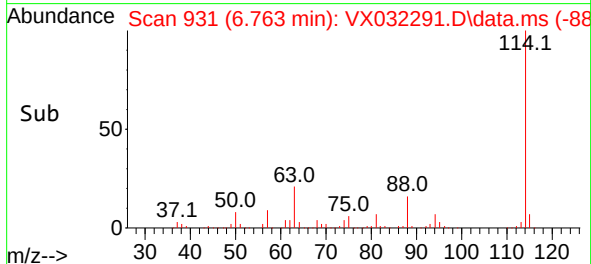
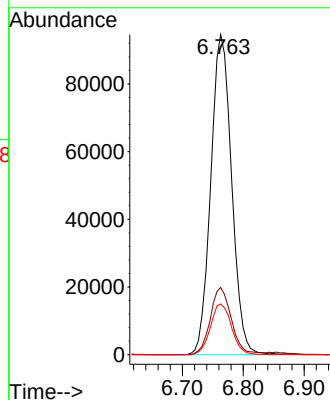
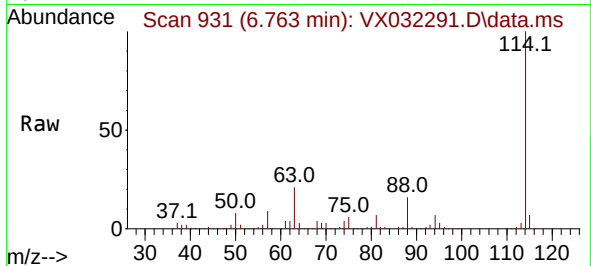
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

Instrument :
MSVOA_X
ClientSampleId :
MW-10

Tgt Ion:114 Resp: 224510
Ion Ratio Lower Upper
114 100
63 21.0 0.0 38.6
88 15.9 0.0 32.6

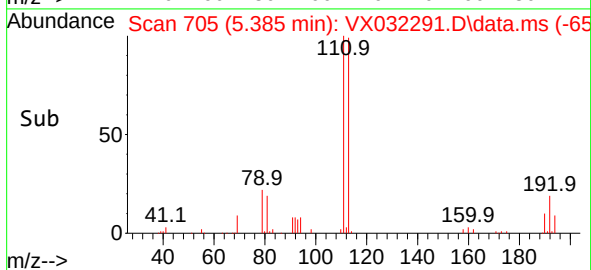
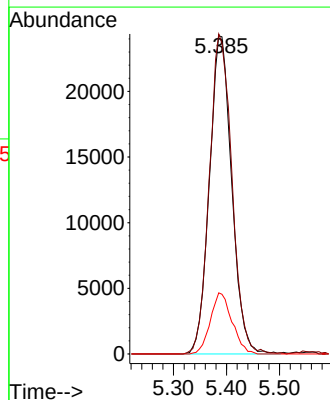
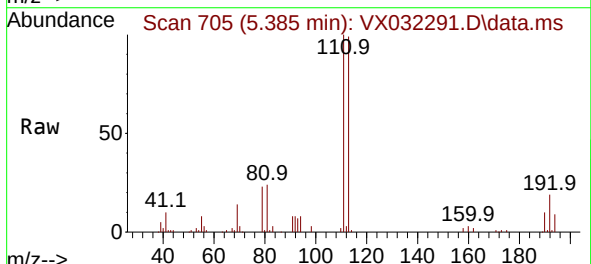
Manual Integrations
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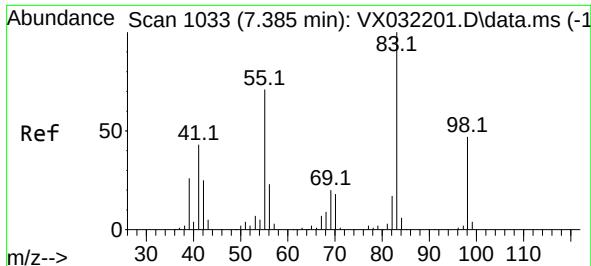
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022



#35
Dibromofluoromethane
Concen: 45.164 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

Tgt Ion:113 Resp: 70559
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 18.7 15.5 23.3





#39

Methylcyclohexane

Concen: 81.216 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX032291.D

Acq: 21 Oct 2022 16:12

Instrument :

MSVOA_X

ClientSampleId :

MW-10

Tgt Ion: 83 Resp: 194978

Ion Ratio Lower Upper

83 100

55 80.2 56.6 85.0

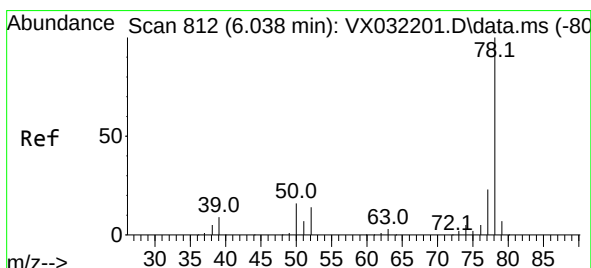
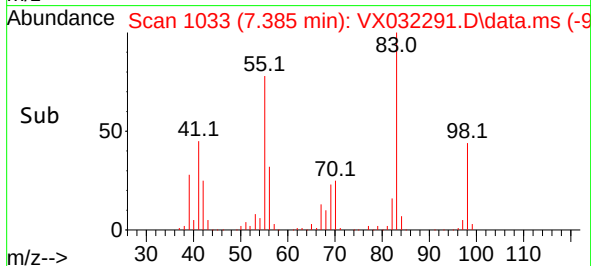
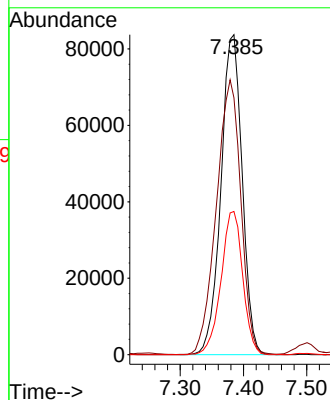
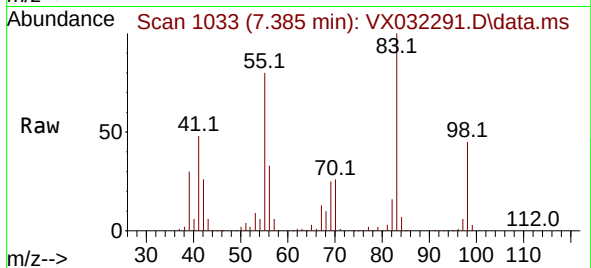
98 44.8 37.4 56.0

Manual Integrations

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Reviewed By :John Carlone 10/24/2022

Supervised By :Mahesh Dadoda 10/24/2022



#40

Benzene

Concen: 104.959 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX032291.D

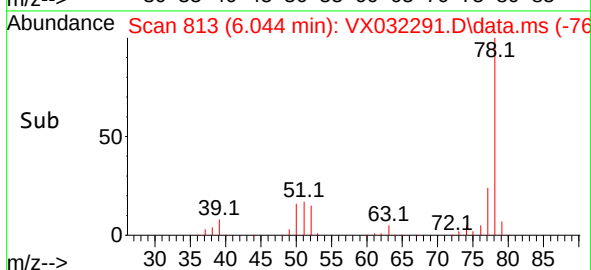
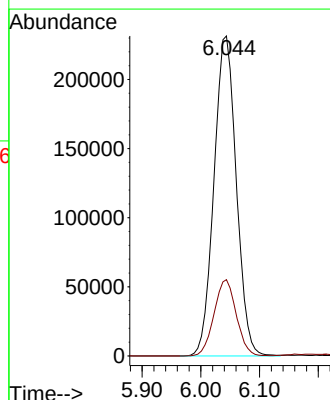
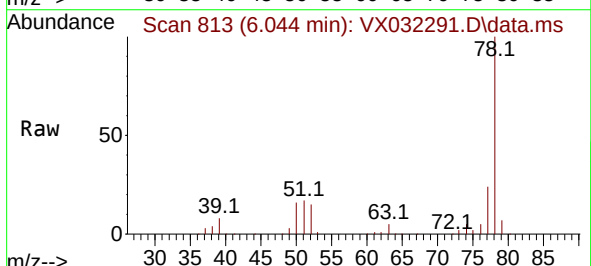
Acq: 21 Oct 2022 16:12

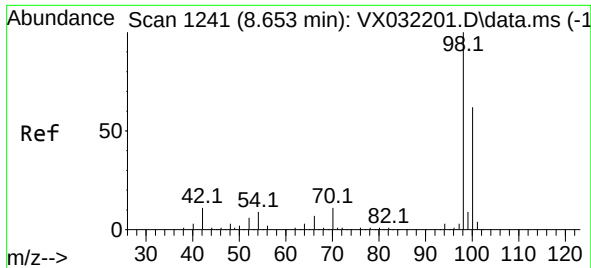
Tgt Ion: 78 Resp: 611344

Ion Ratio Lower Upper

78 100

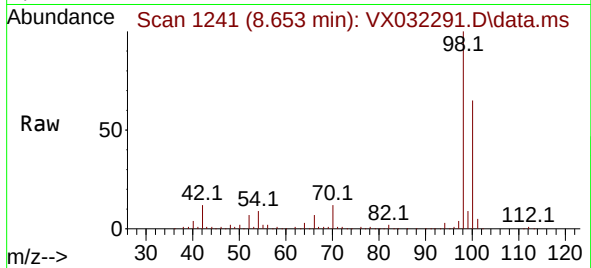
77 23.9 18.6 27.8





#50
Toluene-d8
Concen: 48.728 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

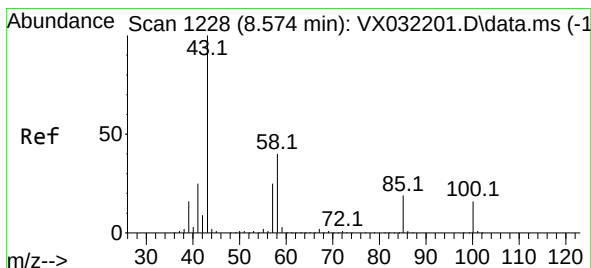
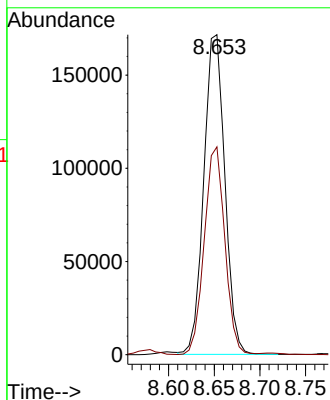
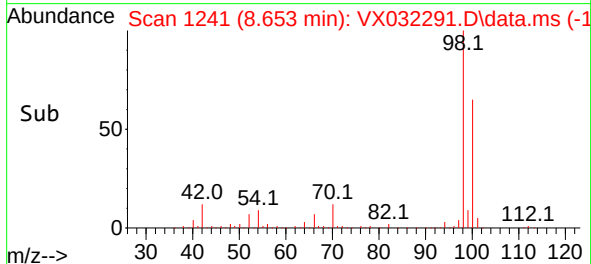
Instrument :
MSVOA_X
ClientSampleId :
MW-10



Tgt Ion: 98 Resp: 27403
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1

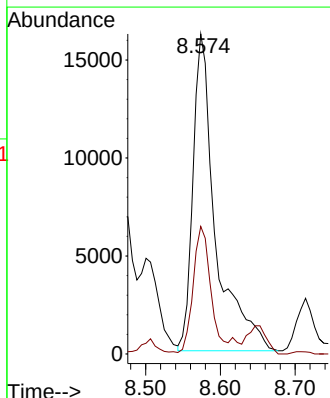
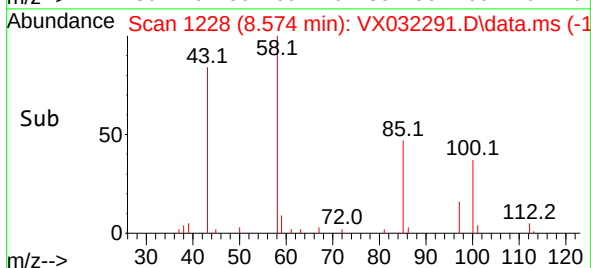
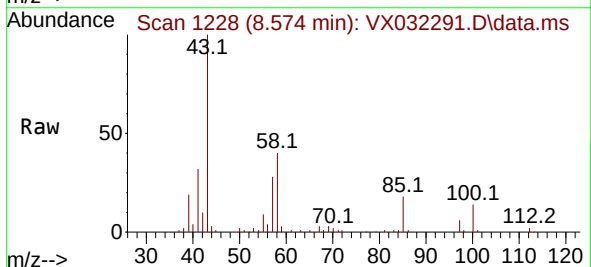
Manual Integrations
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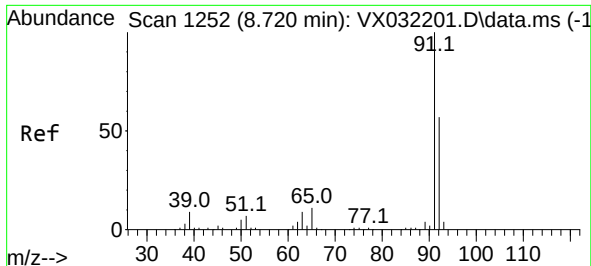
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022



#51
4-Methyl-2-Pentanone
Concen: 17.582 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

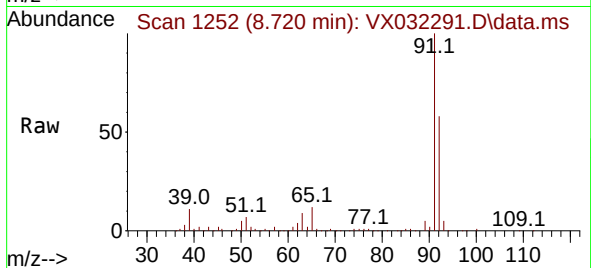
Tgt Ion: 43 Resp: 34038
Ion Ratio Lower Upper
43 100
58 31.5 31.0 46.4





#52
Toluene
Concen: 23.187 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

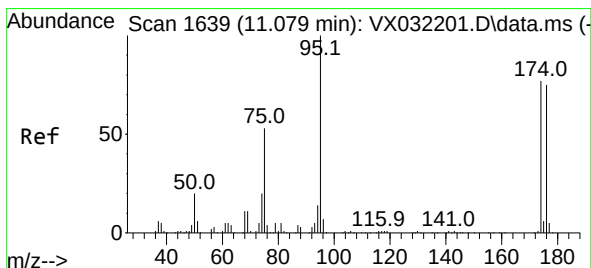
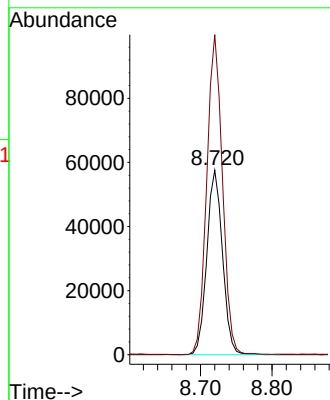
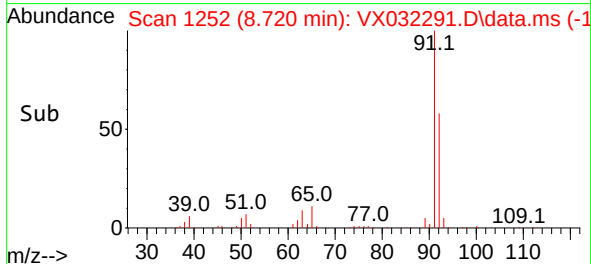
Instrument :
MSVOA_X
ClientSampleId :
MW-10



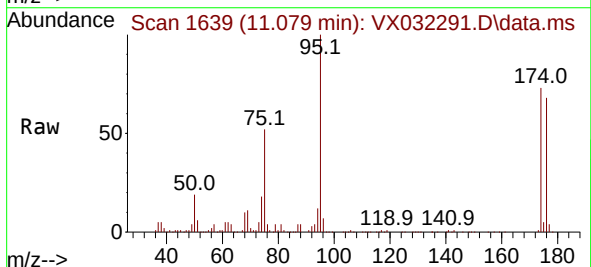
Tgt Ion: 92 Resp: 8748
Ion Ratio Lower Upper
92 100
91 174.0 140.3 210.5

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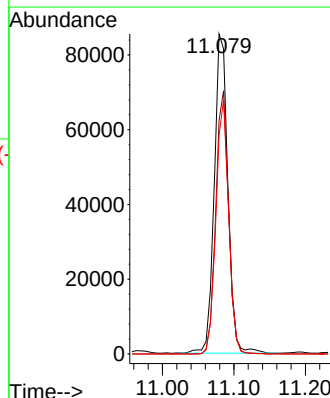
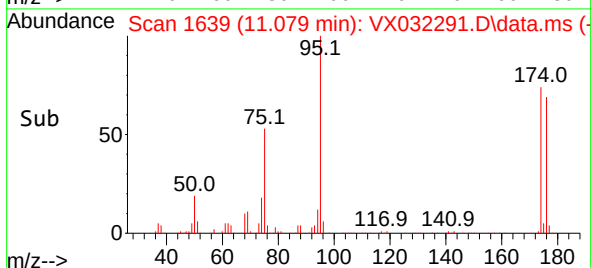
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022

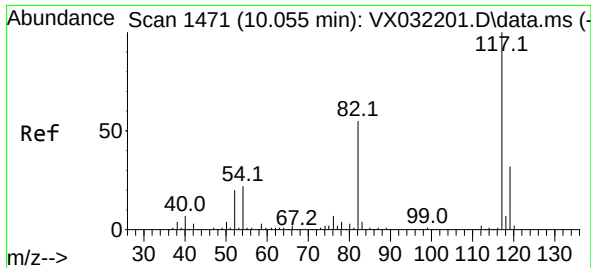


#62
4-Bromofluorobenzene
Concen: 54.671 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12



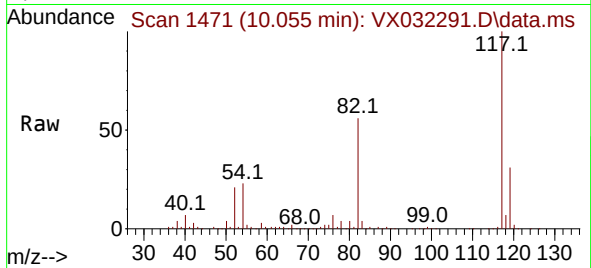
Tgt Ion: 95 Resp: 112585
Ion Ratio Lower Upper
95 100
174 77.9 0.0 166.8
176 74.4 0.0 161.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

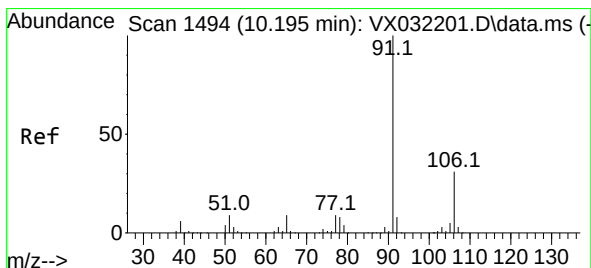
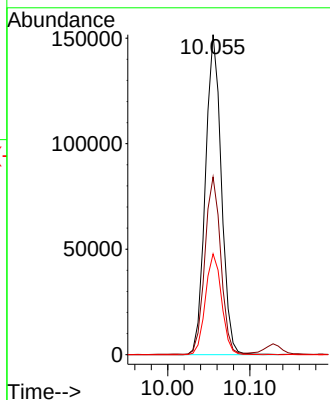
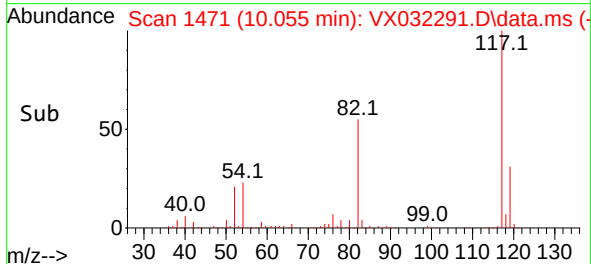
Instrument :
MSVOA_X
ClientSampleId :
MW-10



Tgt Ion:117 Resp: 203872
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.4
119 31.5 25.8 38.8

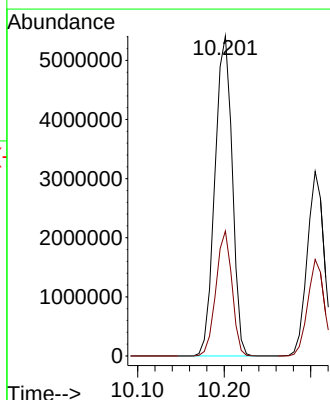
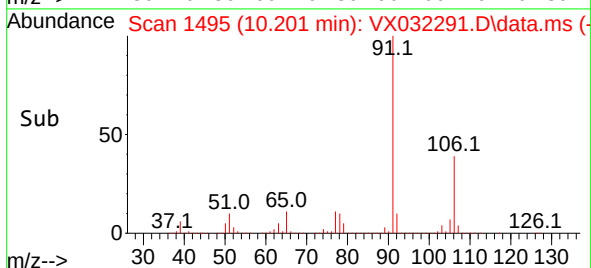
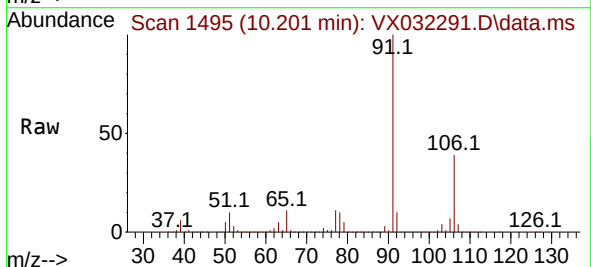
Manual Integrations
APPROVED

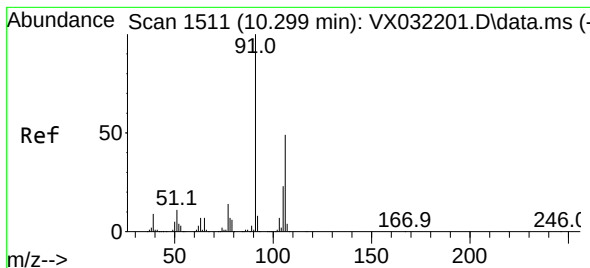
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022



#67
Ethyl Benzene
Concen: 1015.820 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

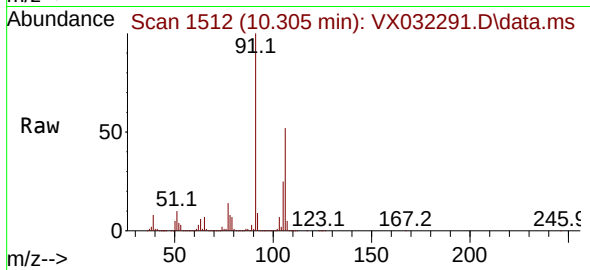
Tgt Ion: 91 Resp: 7517497
Ion Ratio Lower Upper
91 100
106 39.0 25.0 37.4#





#68
m/p-Xylenes
Concen: 732.665 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

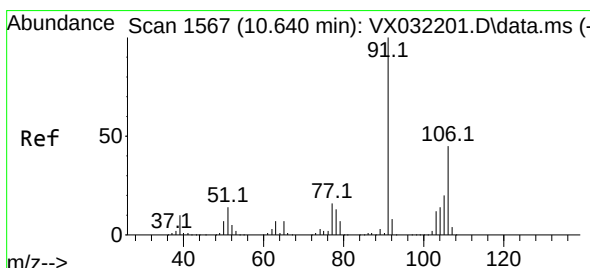
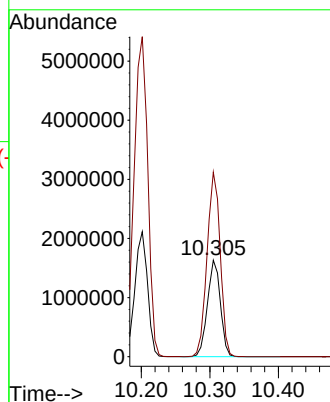
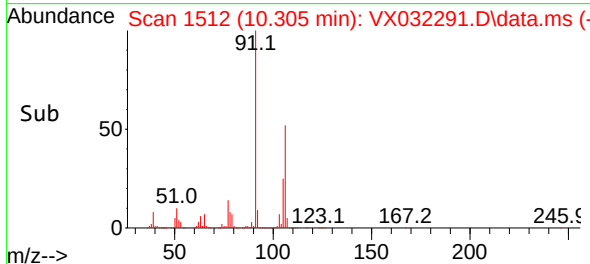
Instrument :
MSVOA_X
ClientSampleId :
MW-10



Tgt Ion:106 Resp: 214123
Ion Ratio Lower Upper
106 100
91 195.5 162.6 244.0

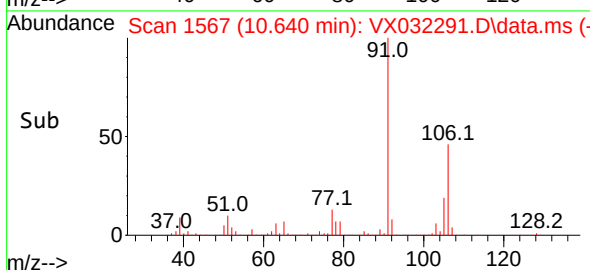
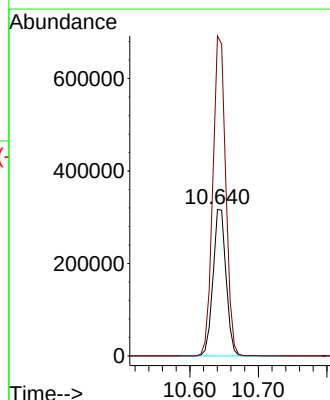
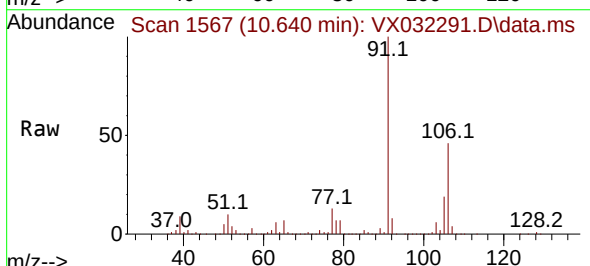
Manual Integrations
APPROVED

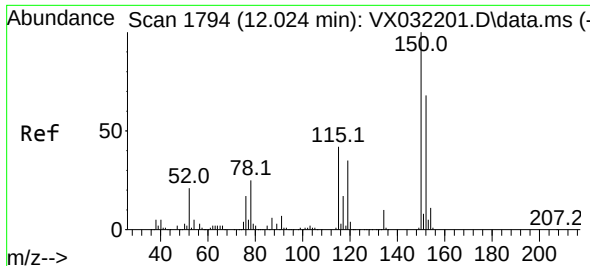
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022



#69
o-Xylene
Concen: 149.344 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

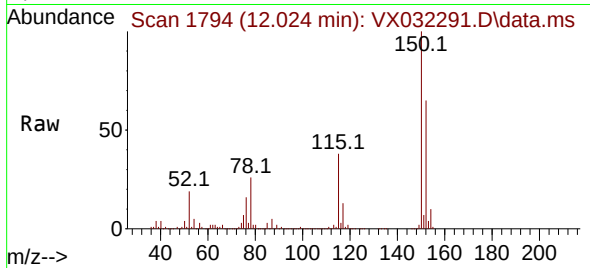
Tgt Ion:106 Resp: 418128
Ion Ratio Lower Upper
106 100
91 216.7 108.3 324.9





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

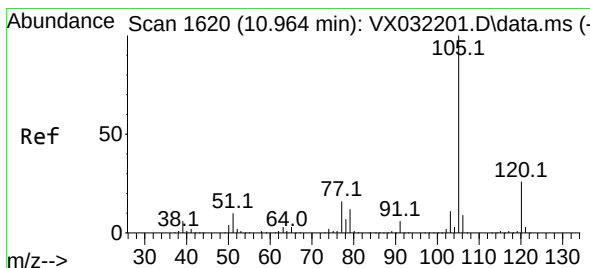
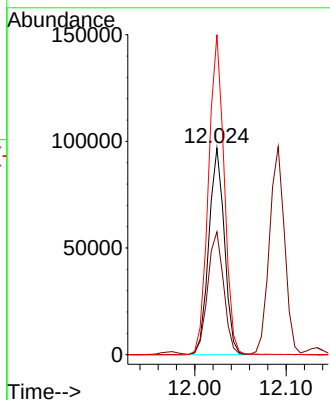
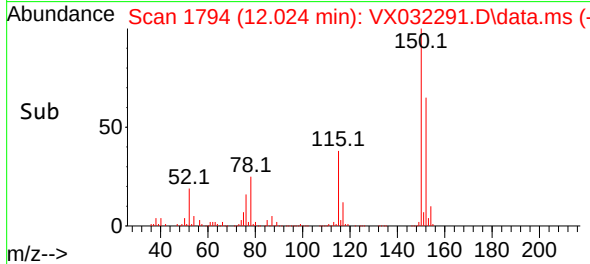
Instrument :
MSVOA_X
ClientSampleId :
MW-10



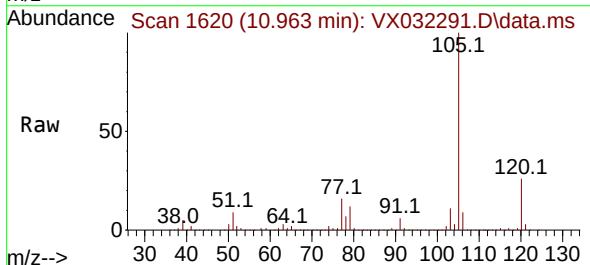
Tgt Ion:152 Resp: 114310
Ion Ratio Lower Upper
152 100
115 60.8 43.1 129.4
150 156.1 0.0 348.6

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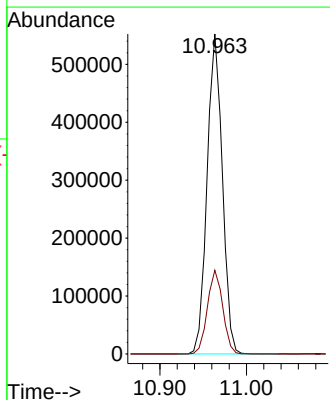
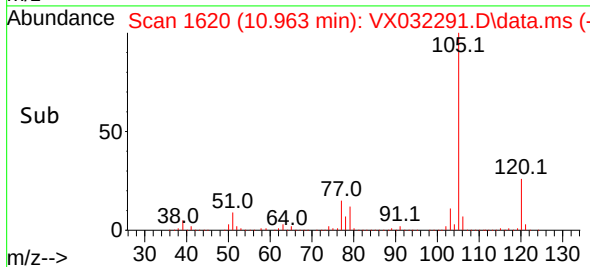
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022

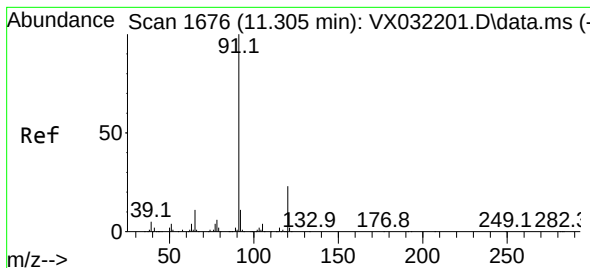


#73
Isopropylbenzene
Concen: 82.759 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.001 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12



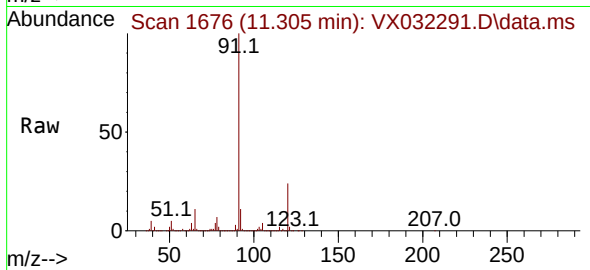
Tgt Ion:105 Resp: 675064
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.6





#78
n-propylbenzene
Concen: 231.790 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

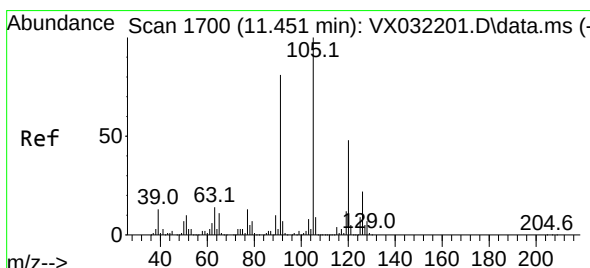
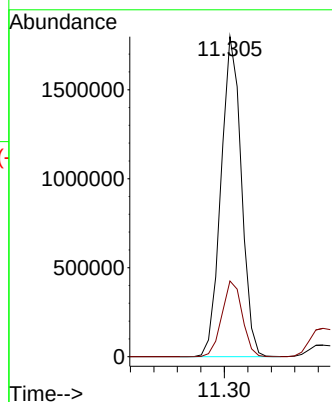
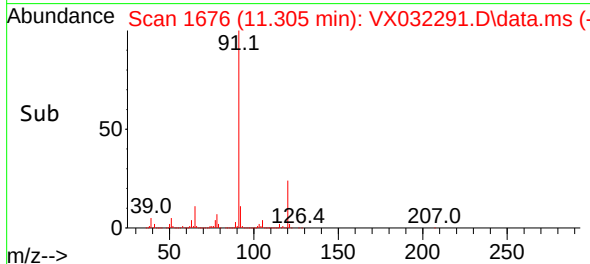
Instrument :
MSVOA_X
ClientSampleId :
MW-10



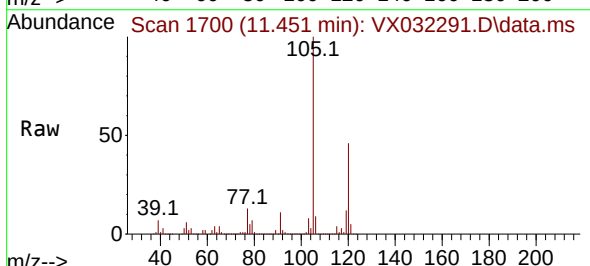
Tgt Ion: 91 Resp: 216494
Ion Ratio Lower Upper
91 100
120 23.7 11.6 34.8

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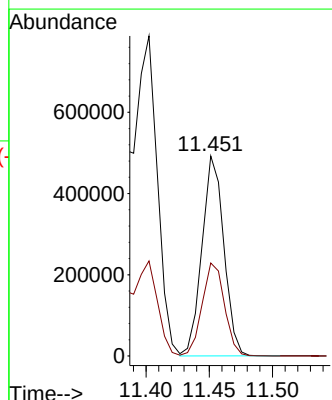
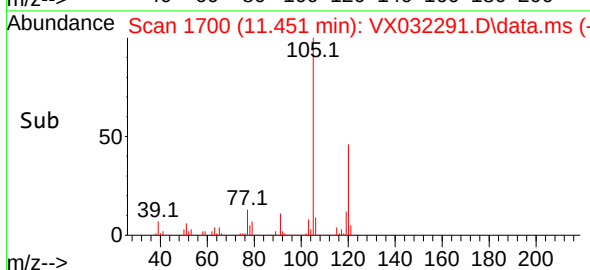
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022

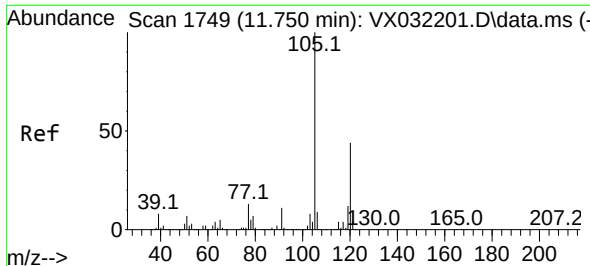


#80
1,3,5-Trimethylbenzene
Concen: 84.197 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12



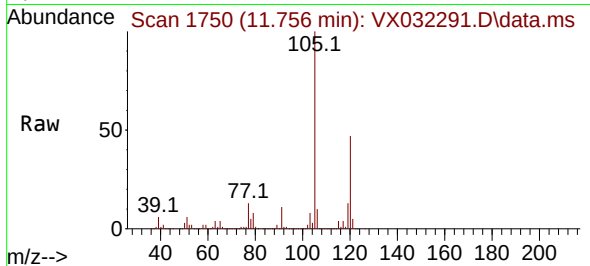
Tgt Ion:105 Resp: 593222
Ion Ratio Lower Upper
105 100
120 47.5 23.5 70.6





#84
1,2,4-Trimethylbenzene
Concen: 399.201 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

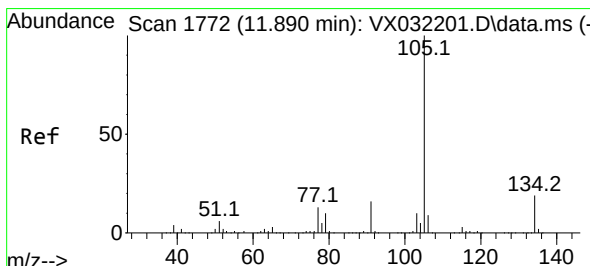
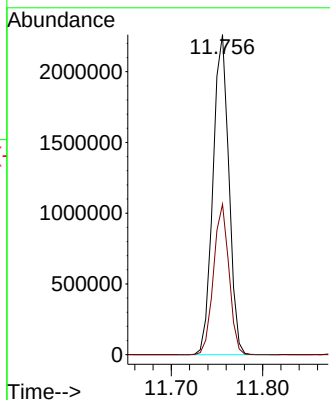
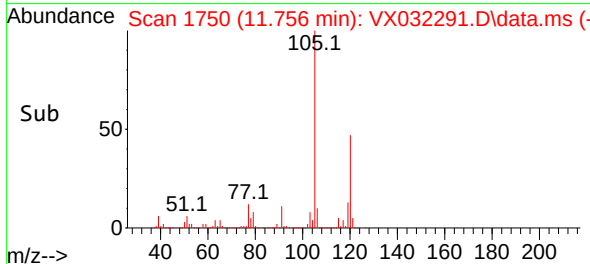
Instrument :
MSVOA_X
ClientSampleId :
MW-10



Tgt Ion:105 Resp: 2734528
Ion Ratio Lower Upper
105 100
120 45.7 22.1 66.1

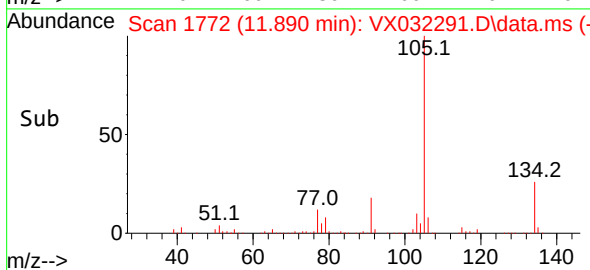
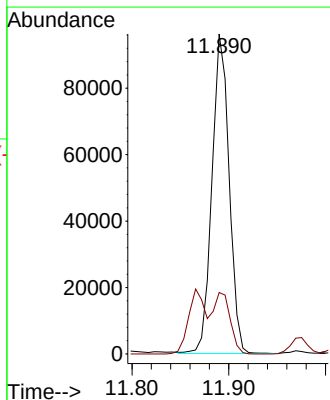
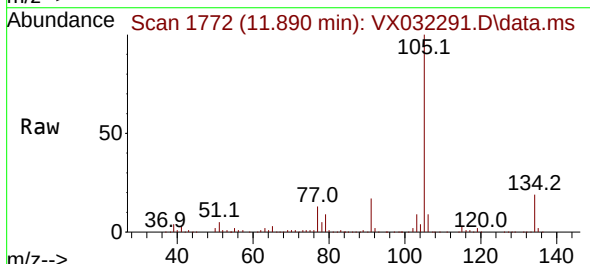
Manual Integrations
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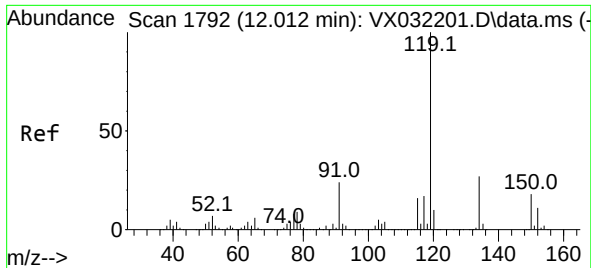
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022



#85
sec-Butylbenzene
Concen: 13.870 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

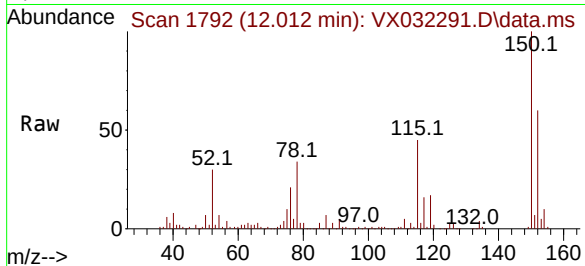
Tgt Ion:105 Resp: 118161
Ion Ratio Lower Upper
105 100
134 19.1 10.1 30.3





#86
p-Isopropyltoluene
Concen: 1.365 ug/l m
RT: 12.012 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

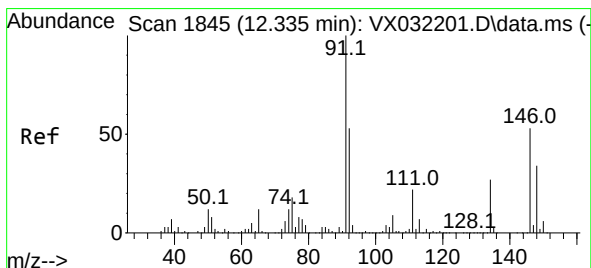
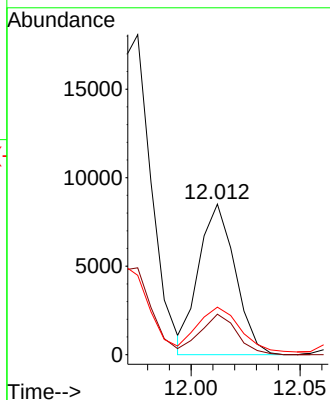
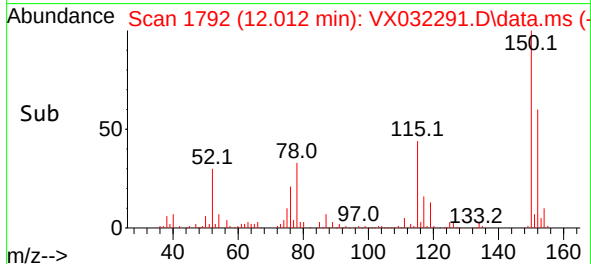
Instrument :
MSVOA_X
ClientSampleId :
MW-10



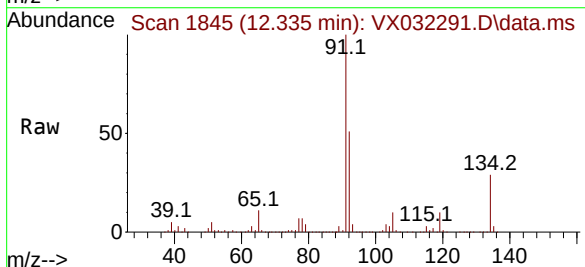
Tgt Ion: 119 Resp: 989
Ion Ratio Lower Upper
119 100
134 62.6 13.2 39.5
91 0.0 12.4 37.2

Manual Integrations
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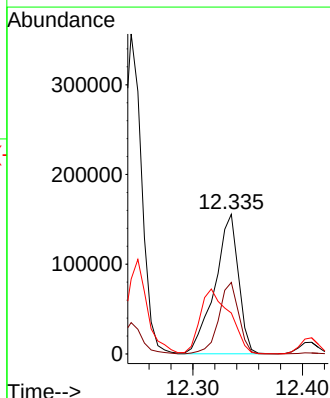
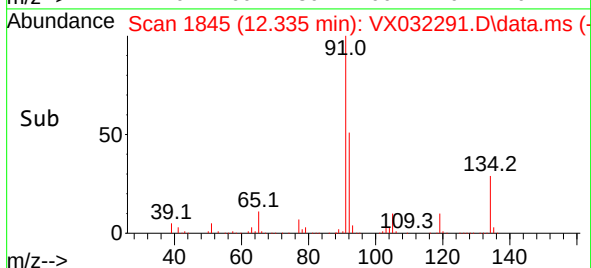
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022

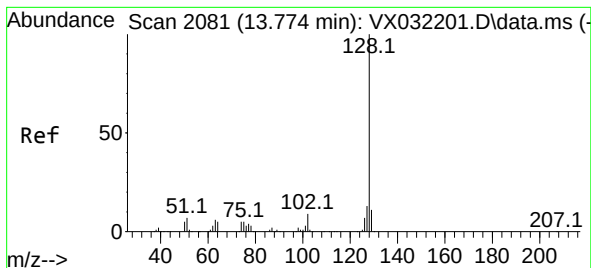


#89
n-Butylbenzene
Concen: 36.454 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12



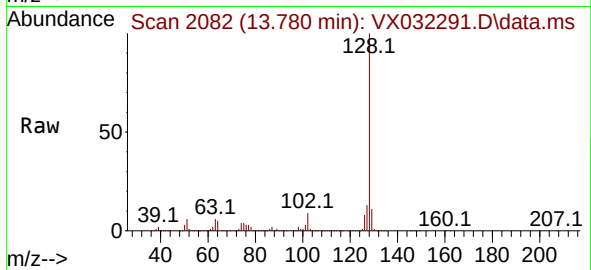
Tgt Ion: 91 Resp: 232748
Ion Ratio Lower Upper
91 100
92 43.4 26.3 78.9
134 58.4 13.0 39.0





#95
Naphthalene
Concen: 245.118 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX032291.D
Acq: 21 Oct 2022 16:12

Instrument :
MSVOA_X
ClientSampleId :
MW-10



Tgt Ion:128 Resp: 1930782
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.4 8.7 13.1

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Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022

