

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092122\
 Data File : VX031541.D
 Acq On : 22 Sep 2022 01:11
 Operator : JC/MD
 Sample : N4614-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-43

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/22/2022
 Supervised By : Mahesh Dadoda 09/23/2022

Quant Time: Sep 22 04:24:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	83298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	136837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	129505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82372	53.905	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.820%			
35) Dibromofluoromethane	5.391	113	70949	50.166	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.340%			
50) Toluene-d8	8.653	98	282760	51.866	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.740%			
62) 4-Bromofluorobenzene	11.085	95	125502	67.962	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 135.920%#			
Target Compounds					Qvalue	
16) Acetone	2.392	43	16731	14.846	ug/l #	88
19) Methyl tert-butyl Ether	3.117	73	32407	6.911	ug/l #	1
25) 2-Butanone	4.568	43	20702	17.553	ug/l	99
31) Cyclohexane	5.477	56	82396	36.366	ug/l	92
39) Methylcyclohexane	7.379	83	98345	36.748	ug/l	96
40) Benzene	6.043	78	404344	62.313	ug/l	99
52) Toluene	8.720	92	21472	5.074	ug/l	99
65) Chlorobenzene	10.085	112	3476	0.870	ug/l	98
67) Ethyl Benzene	10.207	91	11600160	1645.115	ug/l #	58
68) m/p-Xylenes	10.311	106	3209538	1132.633	ug/l	82
69) o-Xylene	10.646	106	826960	305.745	ug/l	91
73) Isopropylbenzene	10.963	105	852950	88.387	ug/l	99
78) n-propylbenzene	11.305	91	3117640	280.810	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	985732	120.363	ug/l	95
84) 1,2,4-Trimethylbenzene	11.762	105	7648614	948.319	ug/l	83
85) sec-Butylbenzene	11.890	105	128250m	12.767	ug/l	
86) p-Isopropyltoluene	12.012	119	50442	5.947	ug/l #	75
89) n-Butylbenzene	12.329	91	248077	34.333	ug/l #	32
95) Naphthalene	13.780	128	6851179	739.545	ug/l	94

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

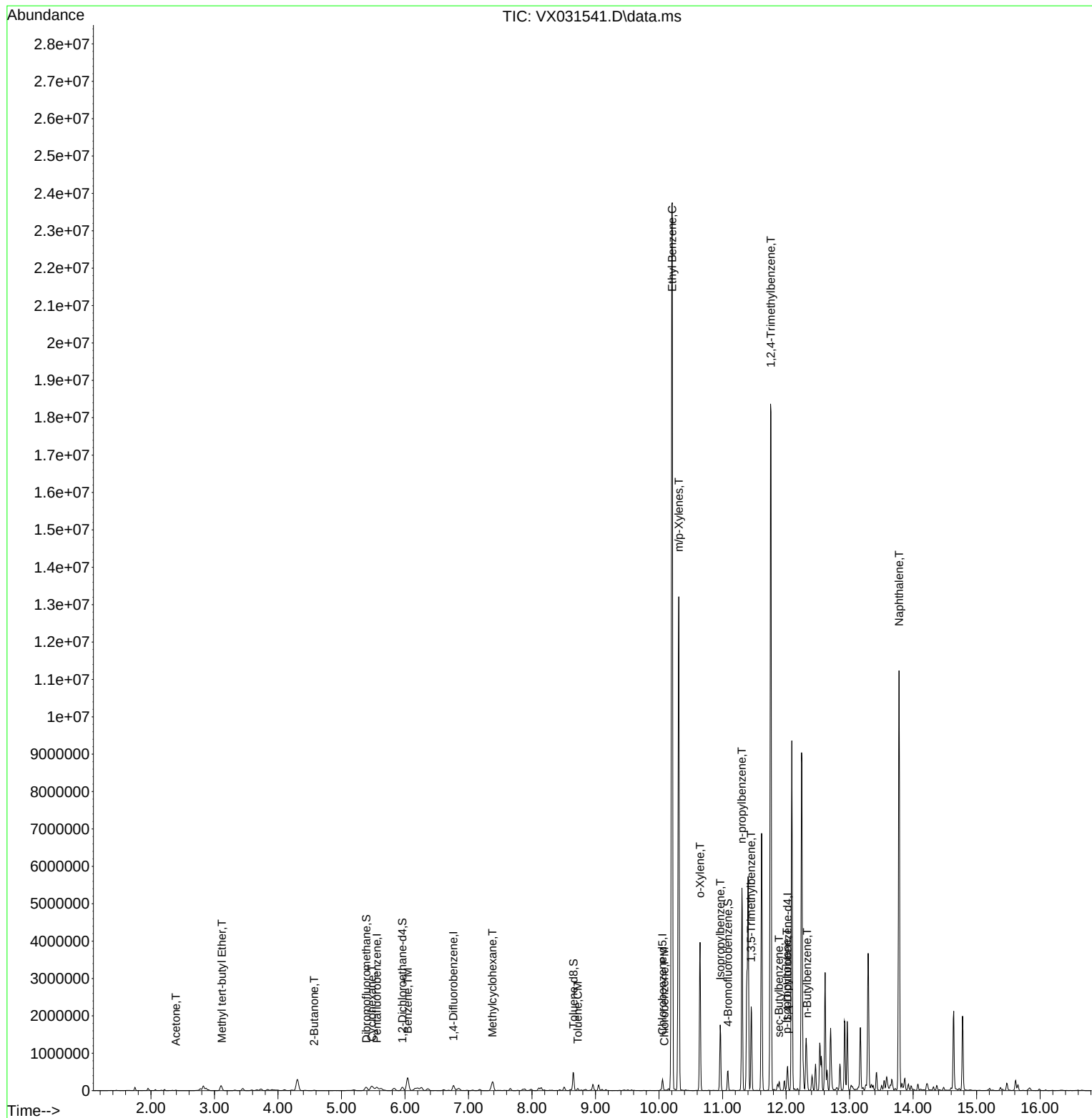
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092122\
Data File : VX031541.D
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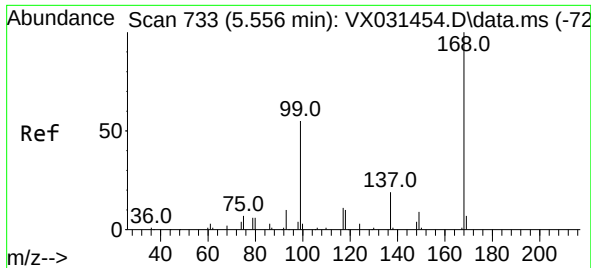
Instrument :
MSVOA_X
ClientSampleId :
MW-43

Quant Time: Sep 22 04:24:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 09:45:29 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

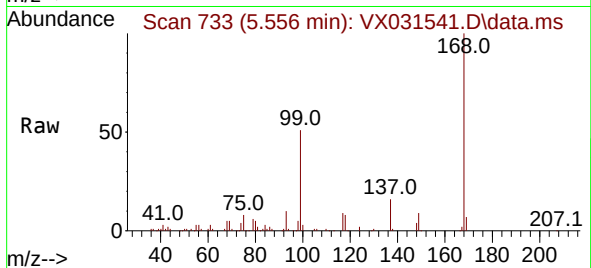
Reviewed By : John Carlone 09/22/2022
Supervised By : Mahesh Dadoda 09/23/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

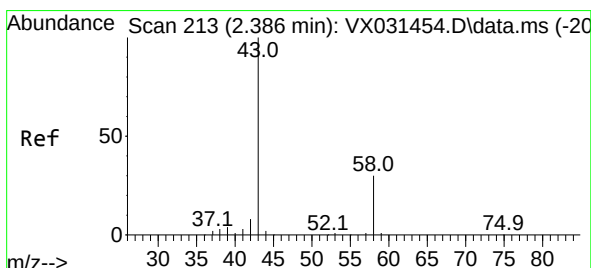
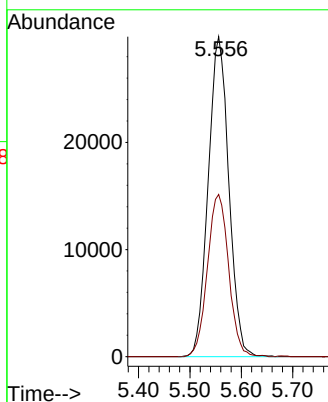
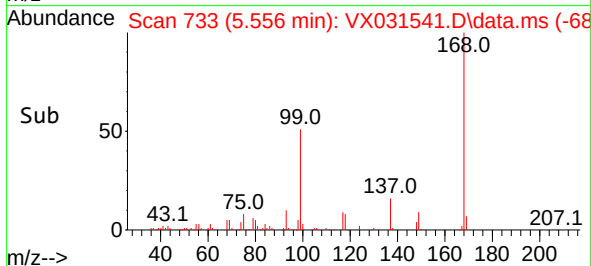
Instrument :
MSVOA_X
ClientSampleId :
MW-43



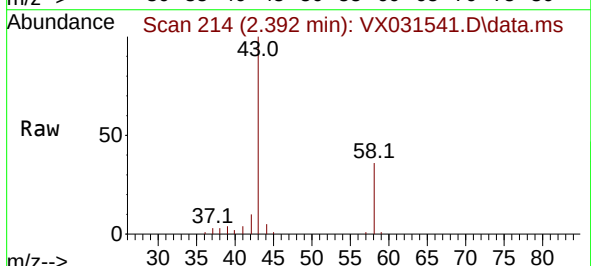
Tgt Ion:168 Resp: 83298
Ion Ratio Lower Upper
168 100
99 50.7 48.8 73.2

Manual Integrations
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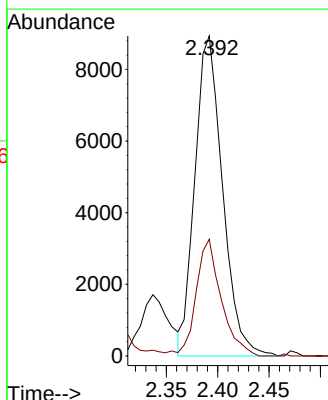
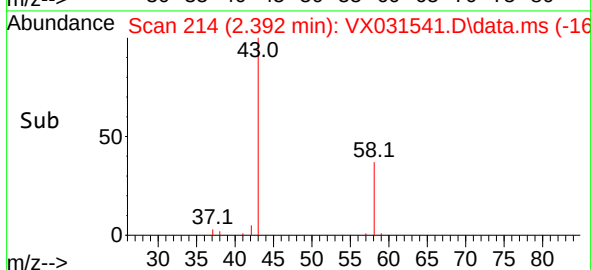
Reviewed By :John Carlone 09/22/2022
Supervised By :Mahesh Dadoda 09/23/2022

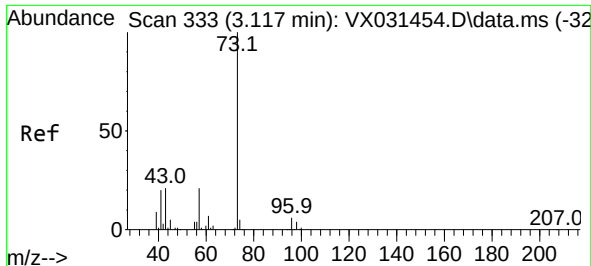


#16
Acetone
Concen: 14.846 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11



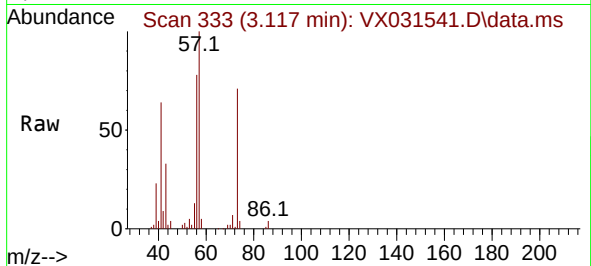
Tgt Ion: 43 Resp: 16731
Ion Ratio Lower Upper
43 100
58 36.4 23.8 35.8#





#19
Methyl tert-butyl Ether
Concen: 6.911 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

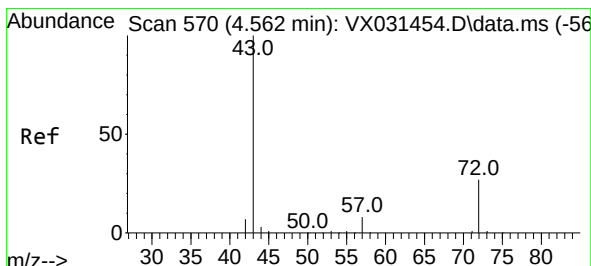
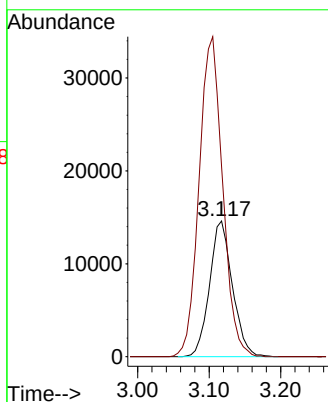
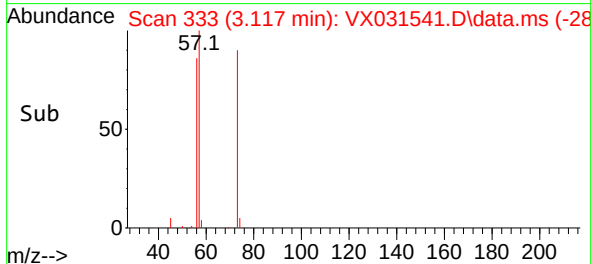
Instrument :
MSVOA_X
ClientSampleId :
MW-43



Tgt Ion: 73 Resp: 3240
Ion Ratio Lower Upper
73 100
57 140.4 17.2 25.8

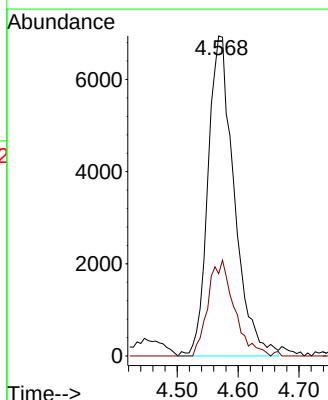
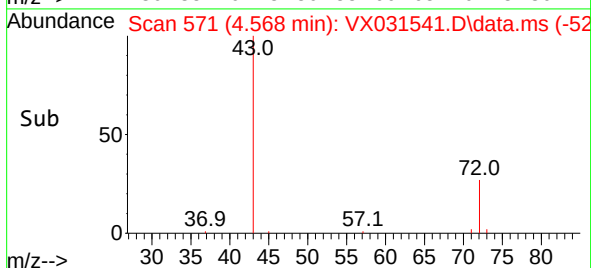
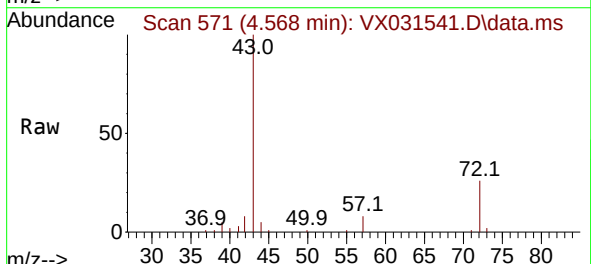
Manual Integrations
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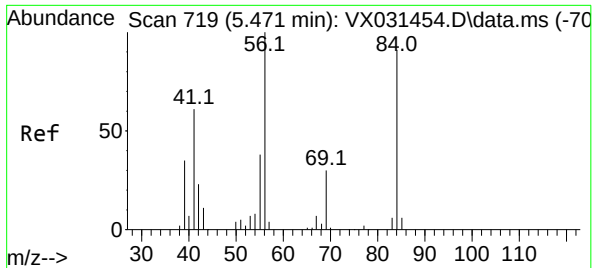
Reviewed By :John Carlone 09/22/2022
Supervised By :Mahesh Dadoda 09/23/2022



#25
2-Butanone
Concen: 17.553 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

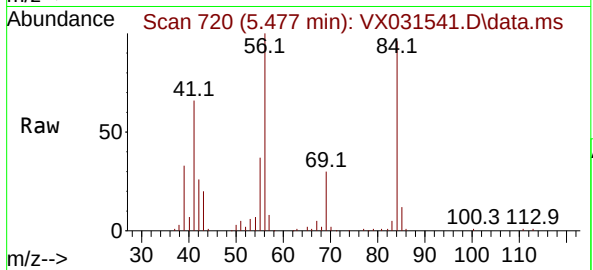
Tgt Ion: 43 Resp: 20702
Ion Ratio Lower Upper
43 100
72 25.7 21.1 31.7





#31
Cyclohexane
Concen: 36.366 ug/l
RT: 5.477 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

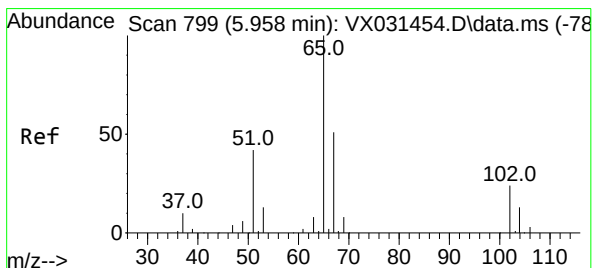
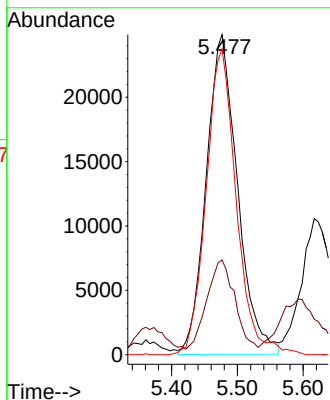
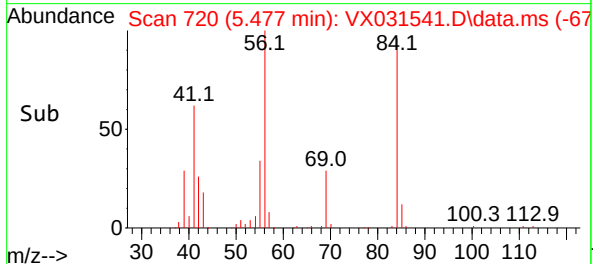
Instrument :
MSVOA_X
ClientSampleId :
MW-43



Tgt Ion: 56 Resp: 82390
Ion Ratio Lower Upper
56 100
69 27.7 25.1 37.7
84 96.2 70.2 105.4

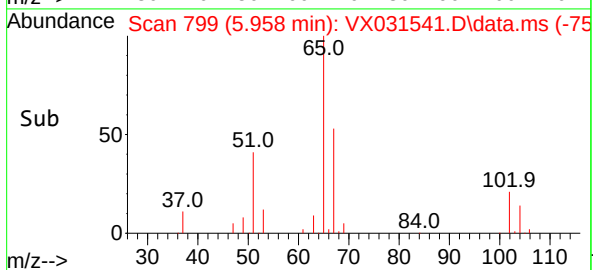
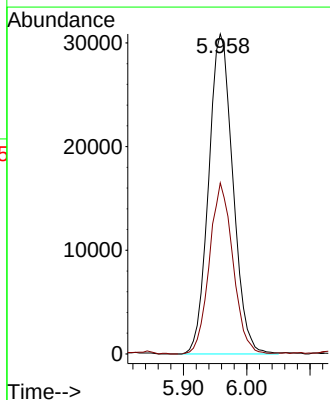
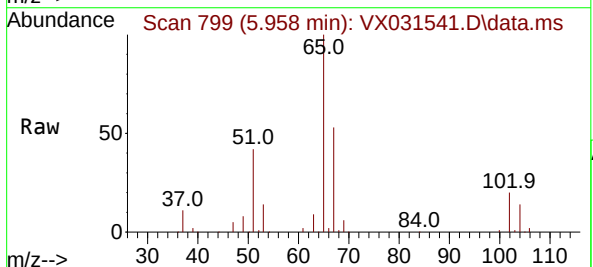
Manual Integrations
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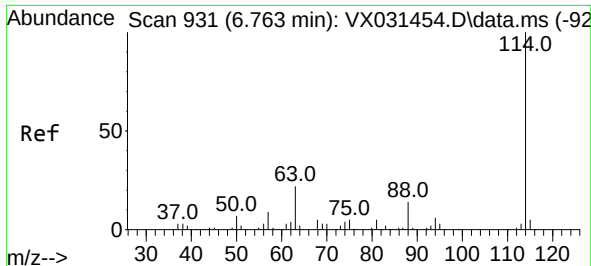
Reviewed By :John Carlone 09/22/2022
Supervised By :Mahesh Dadoda 09/23/2022



#33
1,2-Dichloroethane-d4
Concen: 53.905 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

Tgt Ion: 65 Resp: 82372
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.4





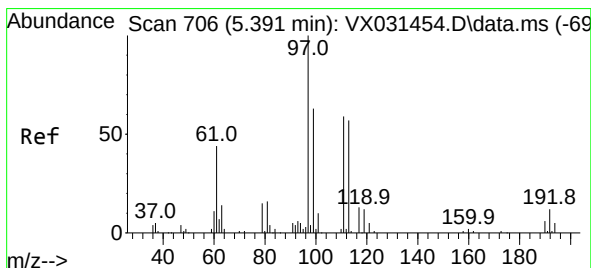
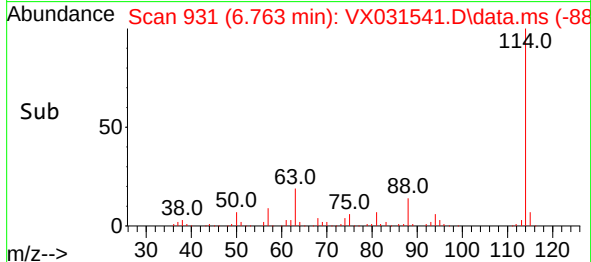
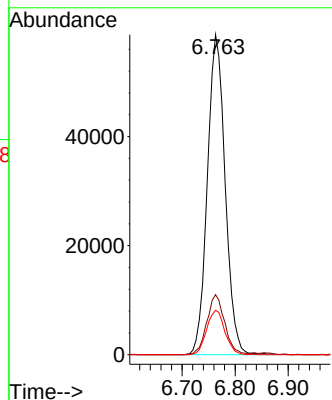
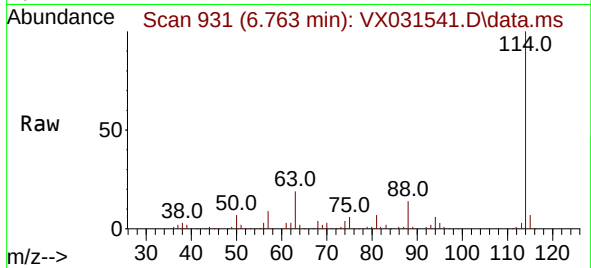
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

Instrument :
MSVOA_X
ClientSampleId :
MW-43

Tgt Ion:114 Resp: 13683
Ion Ratio Lower Upper
114 100
63 18.7 0.0 42.6
88 13.9 0.0 33.0

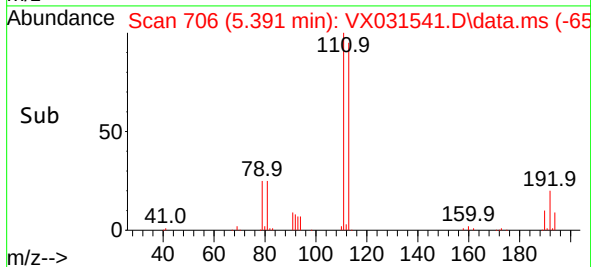
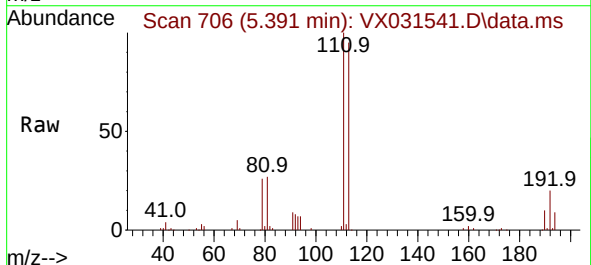
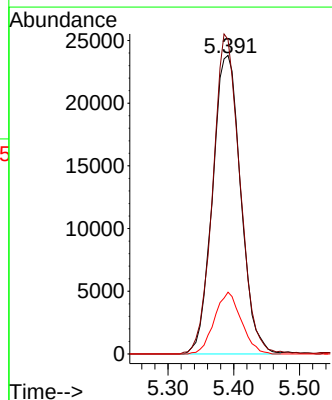
Manual Integrations
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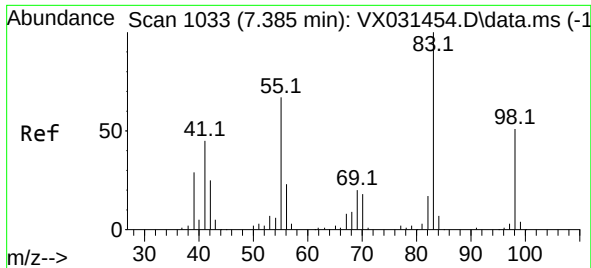
Reviewed By :John Carlone 09/22/2022
Supervised By :Mahesh Dadoda 09/23/2022



#35
Dibromofluoromethane
Concen: 50.166 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

Tgt Ion:113 Resp: 70949
Ion Ratio Lower Upper
113 100
111 102.9 82.4 123.6
192 19.7 14.1 21.1





#39

Methylcyclohexane

Concen: 36.748 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX031541.D

Acq: 22 Sep 2022 01:11

Instrument :

MSVOA_X

ClientSampleId :

MW-43

Tgt Ion: 83 Resp: 9834

Ion Ratio Lower Upper

83 100

55 78.7 61.0 91.4

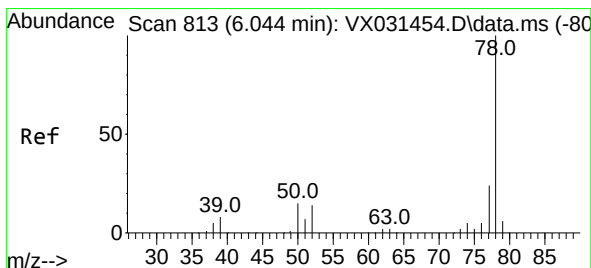
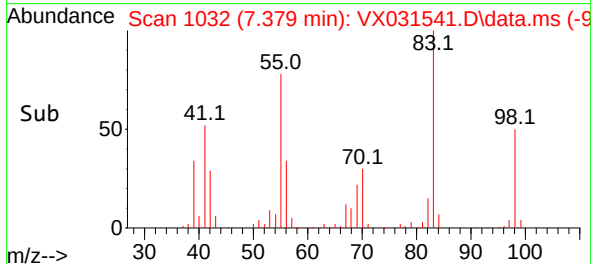
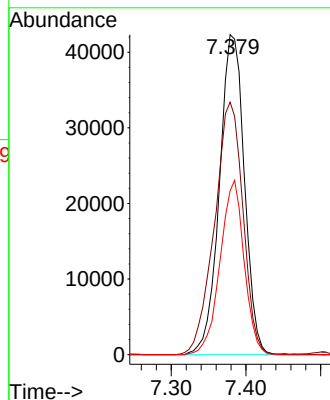
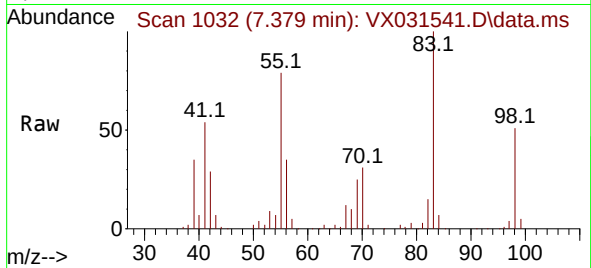
98 51.3 37.7 56.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/22/2022

Supervised By :Mahesh Dadoda 09/23/2022



#40

Benzene

Concen: 62.313 ug/l

RT: 6.043 min Scan# 813

Delta R.T. -0.000 min

Lab File: VX031541.D

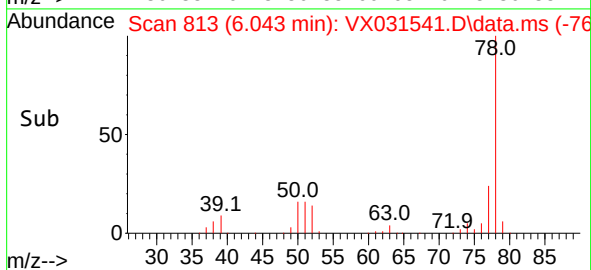
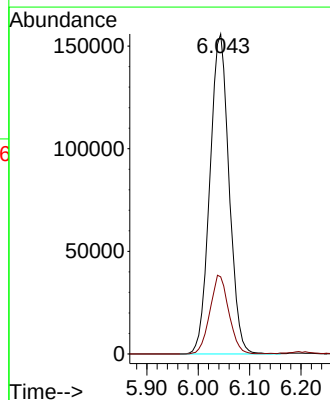
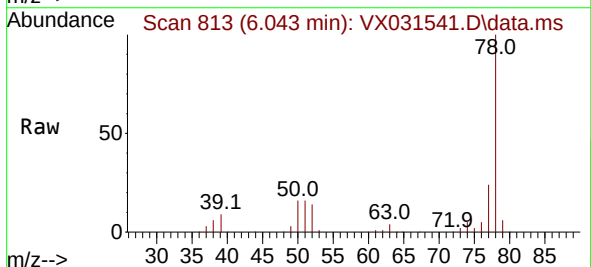
Acq: 22 Sep 2022 01:11

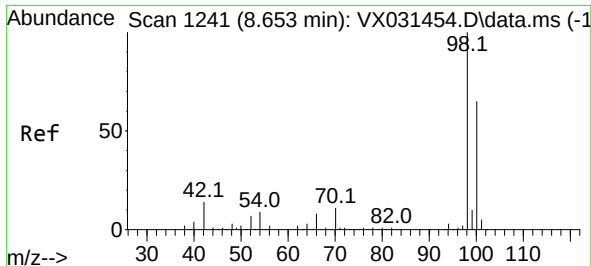
Tgt Ion: 78 Resp: 404344

Ion Ratio Lower Upper

78 100

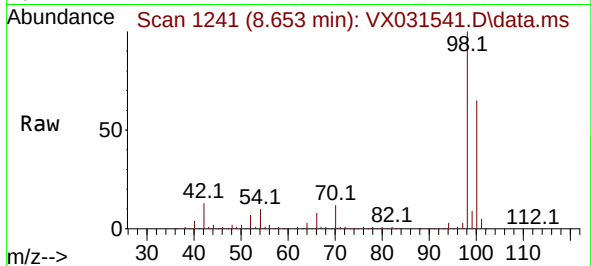
77 24.1 18.7 28.1





#50
Toluene-d8
Concen: 51.866 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

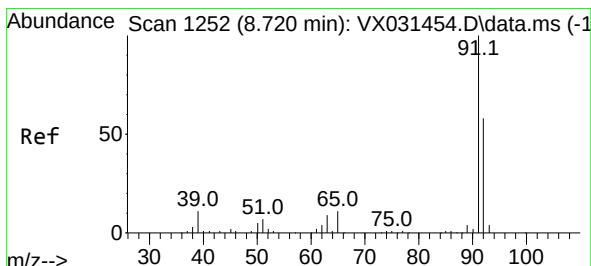
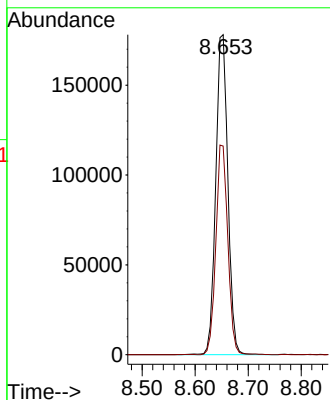
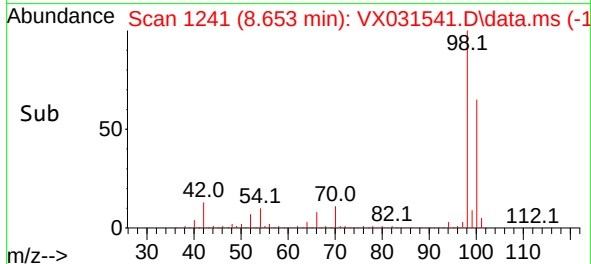
Instrument :
MSVOA_X
ClientSampleId :
MW-43



Tgt Ion: 98 Resp: 282760
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7

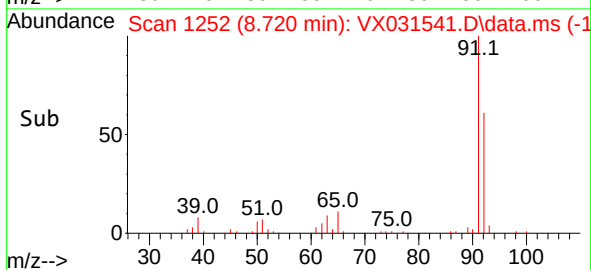
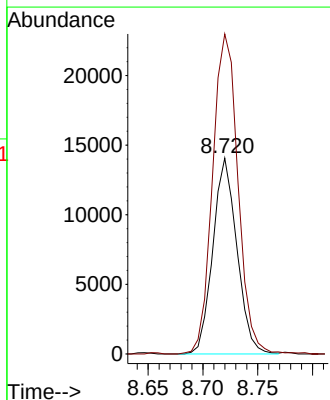
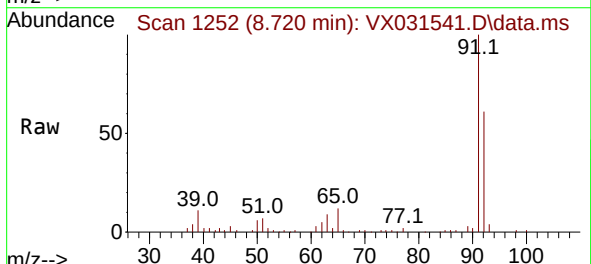
Manual Integrations
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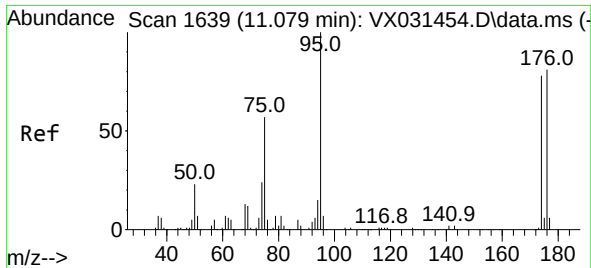
Reviewed By :John Carlone 09/22/2022
Supervised By :Mahesh Dadoda 09/23/2022



#52
Toluene
Concen: 5.074 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

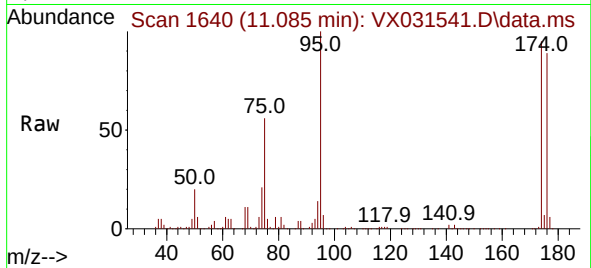
Tgt Ion: 92 Resp: 21472
Ion Ratio Lower Upper
92 100
91 172.9 137.1 205.7





#62
4-Bromofluorobenzene
Concen: 67.962 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

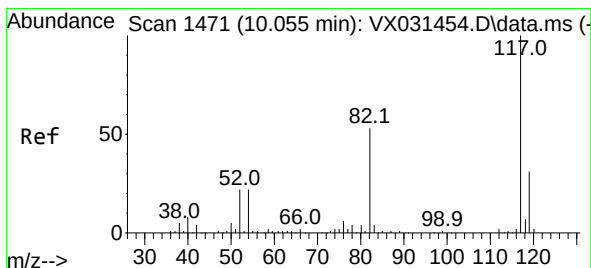
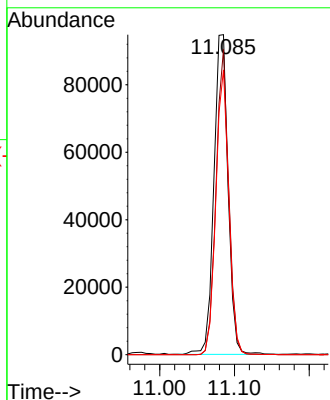
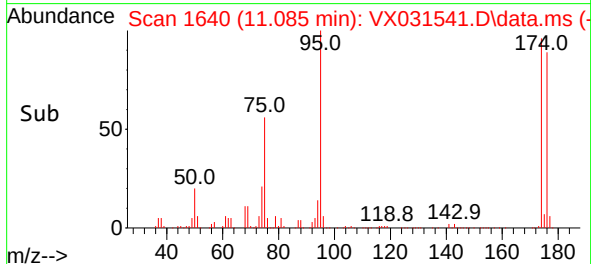
Instrument :
MSVOA_X
ClientSampleId :
MW-43



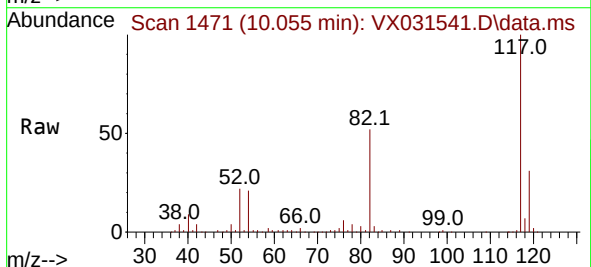
Tgt Ion: 95 Resp: 125502
Ion Ratio Lower Upper
95 100
174 85.6 0.0 153.2
176 81.9 0.0 144.0

Manual Integrations
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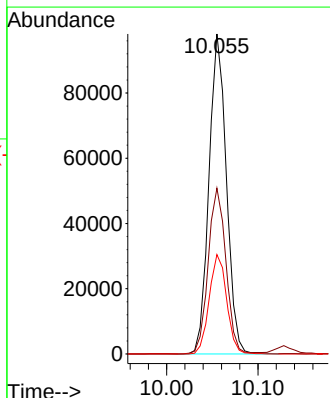
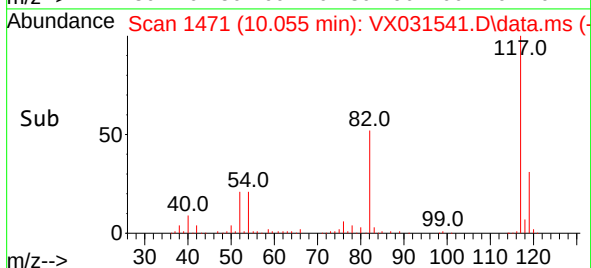
Reviewed By :John Carlone 09/22/2022
Supervised By :Mahesh Dadoda 09/23/2022

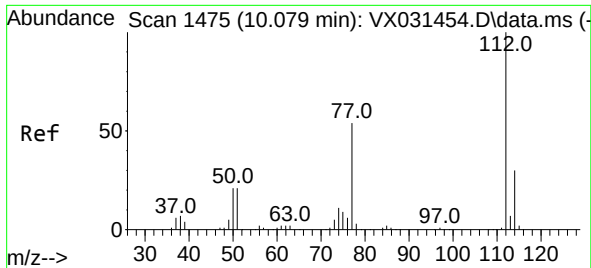


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11



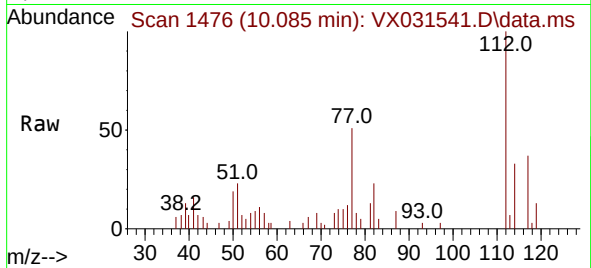
Tgt Ion:117 Resp: 129505
Ion Ratio Lower Upper
117 100
82 51.8 46.8 70.2
119 31.1 26.4 39.6





#65
Chlorobenzene
Concen: 0.870 ug/l
RT: 10.085 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

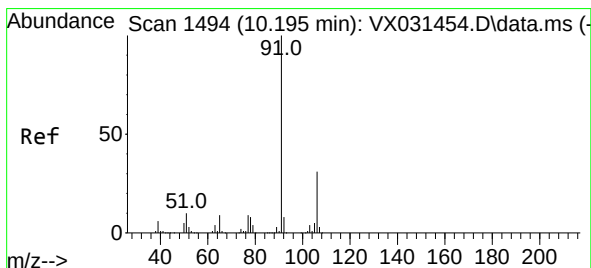
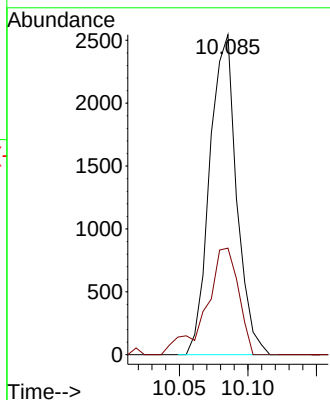
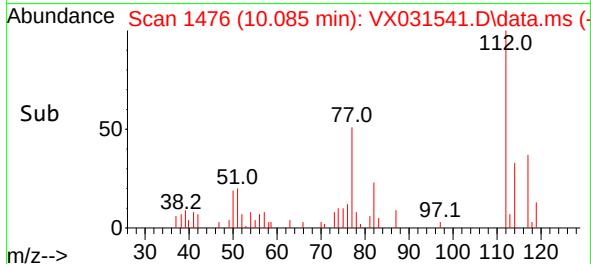
Instrument :
MSVOA_X
ClientSampleId :
MW-43



Tgt Ion:112 Resp: 3470
Ion Ratio Lower Upper
112 100
114 33.3 25.7 38.5

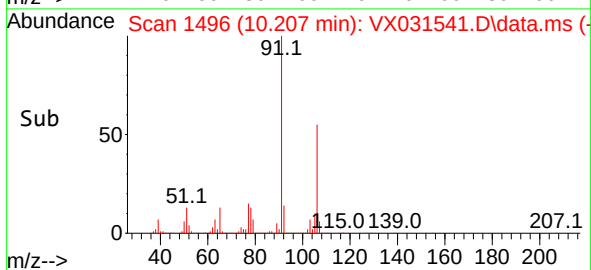
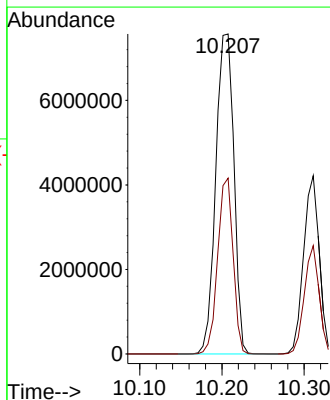
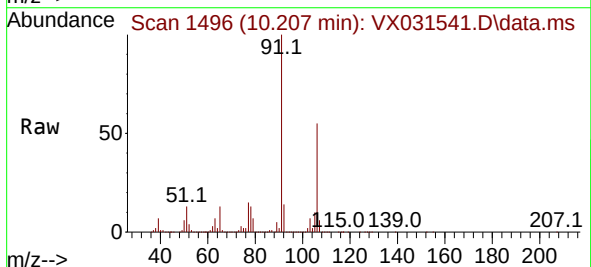
Manual Integrations
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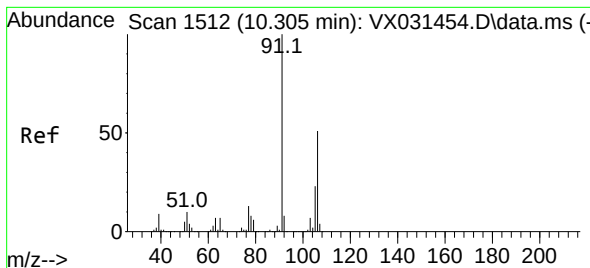
Reviewed By :John Carlone 09/22/2022
Supervised By :Mahesh Dadoda 09/23/2022



#67
Ethyl Benzene
Concen: 1645.115 ug/l
RT: 10.207 min Scan# 1496
Delta R.T. 0.012 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

Tgt Ion: 91 Resp:11600160
Ion Ratio Lower Upper
91 100
106 54.9 25.2 37.8#





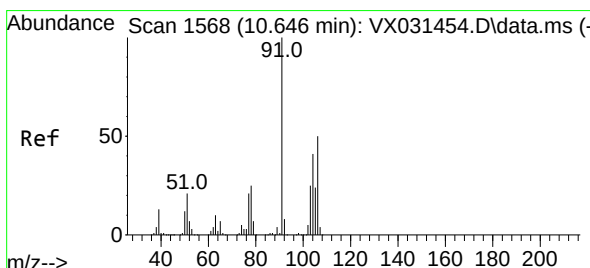
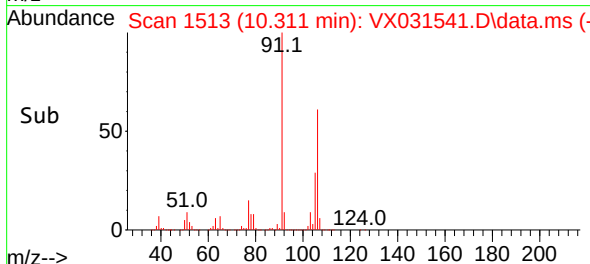
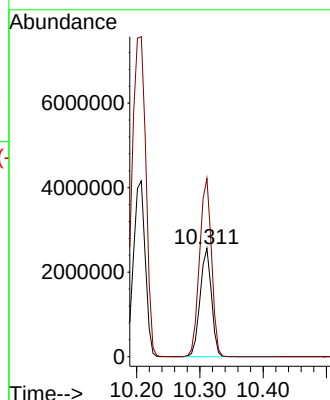
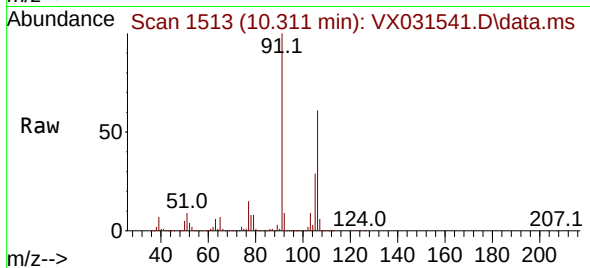
#68
m/p-Xylenes
Concen: 1132.633 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

Instrument :
MSVOA_X
ClientSampleId :
MW-43

Tgt Ion:106 Resp: 3209538
Ion Ratio Lower Upper
106 100
91 173.7 161.0 241.4

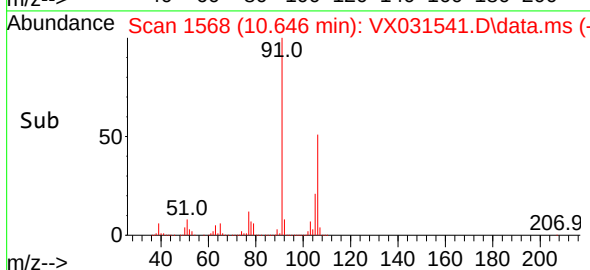
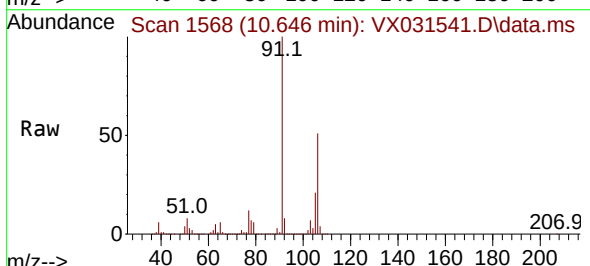
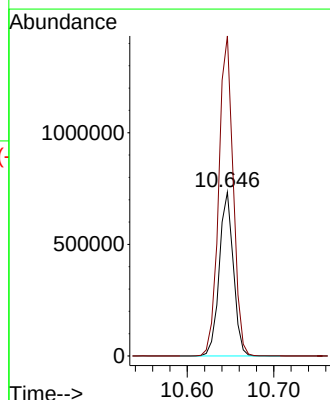
Manual Integrations
APPROVED

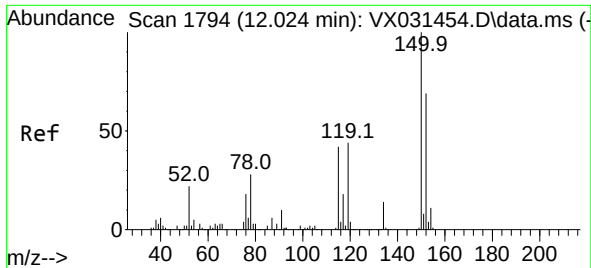
Reviewed By :John Carlone 09/22/2022
Supervised By :Mahesh Dadoda 09/23/2022



#69
o-Xylene
Concen: 305.745 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

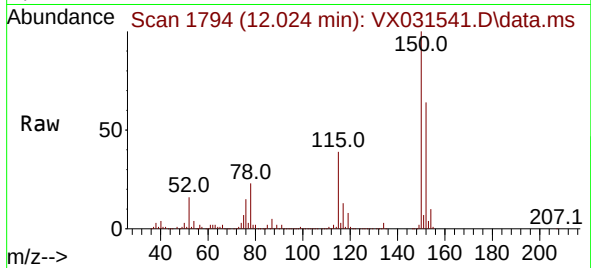
Tgt Ion:106 Resp: 826960
Ion Ratio Lower Upper
106 100
91 200.8 107.2 321.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

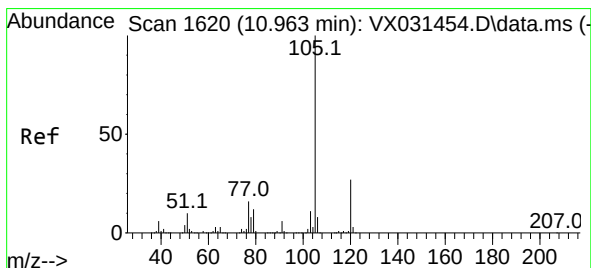
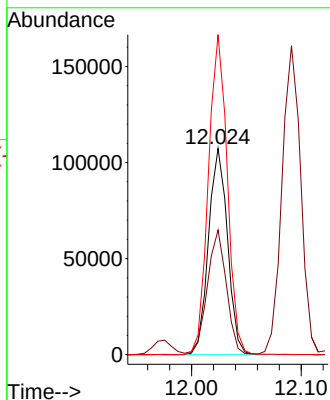
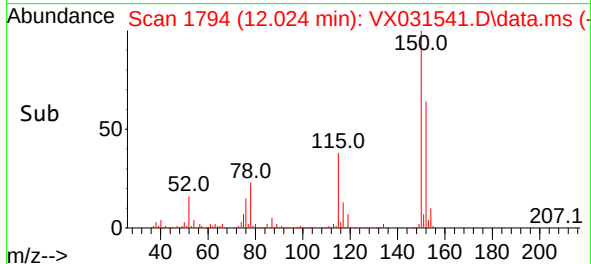
Instrument :
MSVOA_X
ClientSampleId :
MW-43



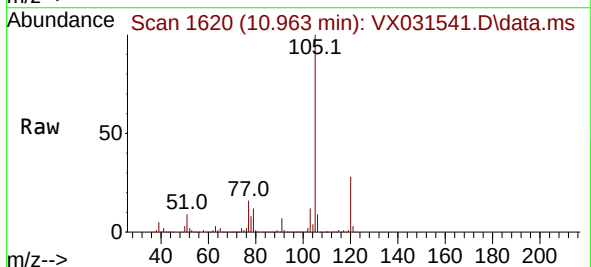
Tgt Ion:152 Resp: 12922
Ion Ratio Lower Upper
152 100
115 59.7 43.4 130.1
150 154.4 0.0 346.8

Manual Integrations
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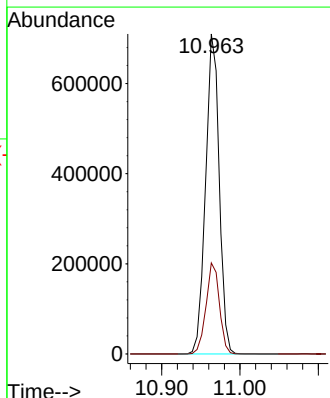
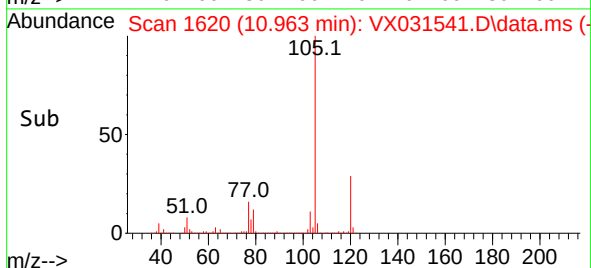
Reviewed By :John Carlone 09/22/2022
Supervised By :Mahesh Dadoda 09/23/2022

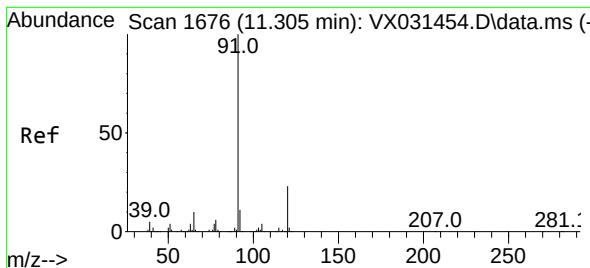


#73
Isopropylbenzene
Concen: 88.387 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11



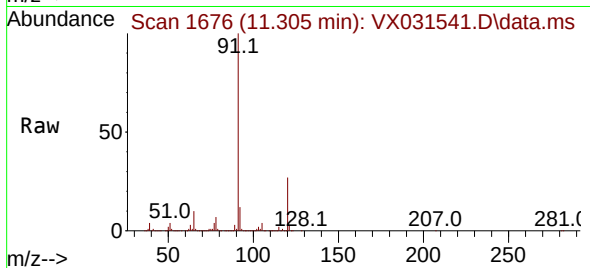
Tgt Ion:105 Resp: 852950
Ion Ratio Lower Upper
105 100
120 28.0 13.7 41.0





#78
n-propylbenzene
Concen: 280.810 ug/l
RT: 11.305 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

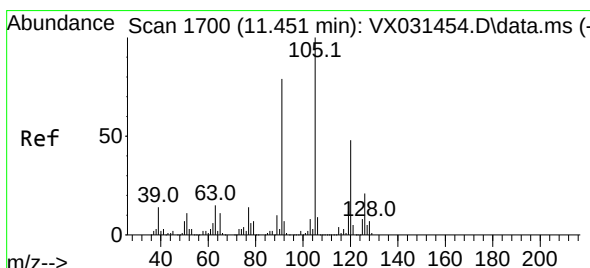
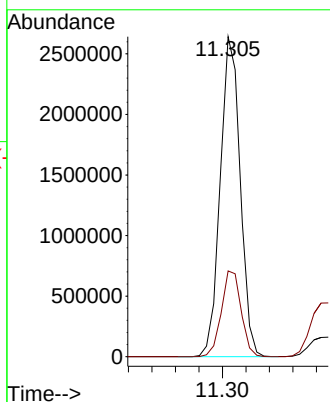
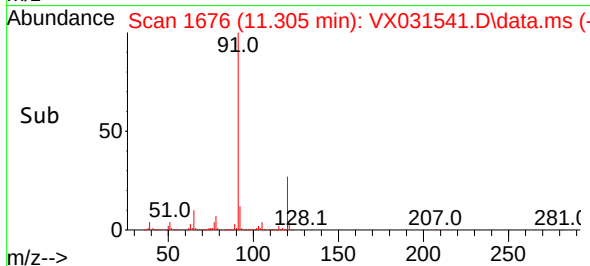
Instrument :
MSVOA_X
ClientSampleId :
MW-43



Tgt Ion: 91 Resp: 3117640
Ion Ratio Lower Upper
91 100
120 26.6 11.8 35.4

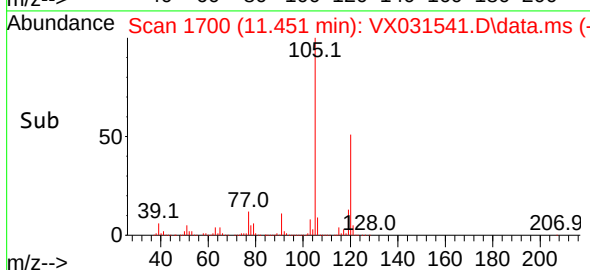
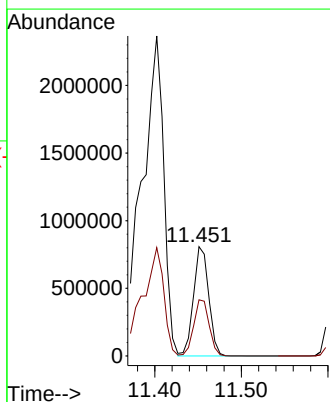
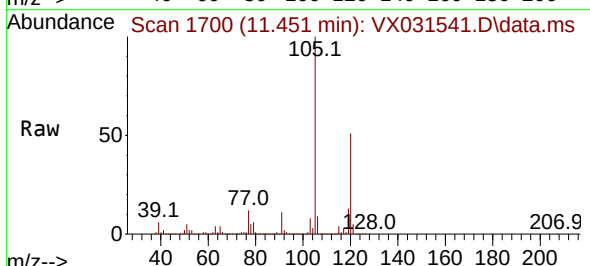
Manual Integrations
APPROVED

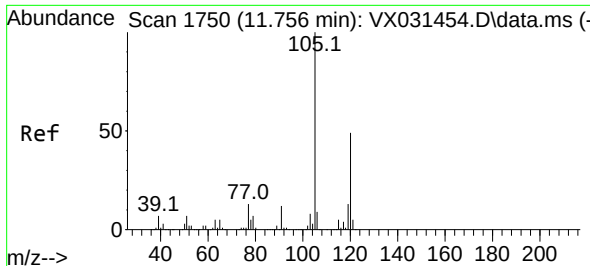
Reviewed By :John Carlone 09/22/2022
Supervised By :Mahesh Dadoda 09/23/2022



#80
1,3,5-Trimethylbenzene
Concen: 120.363 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

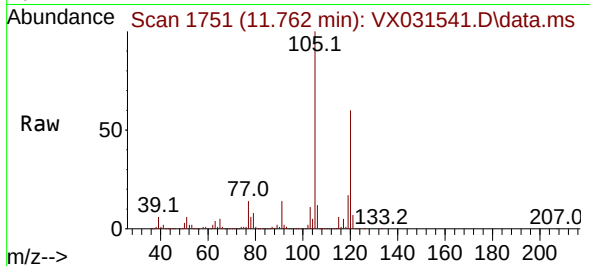
Tgt Ion:105 Resp: 985732
Ion Ratio Lower Upper
105 100
120 52.1 24.5 73.5





#84
1,2,4-Trimethylbenzene
Concen: 948.319 ug/l
RT: 11.762 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

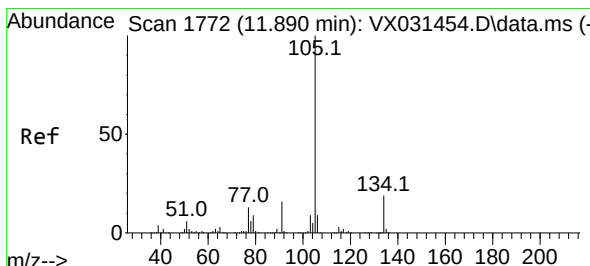
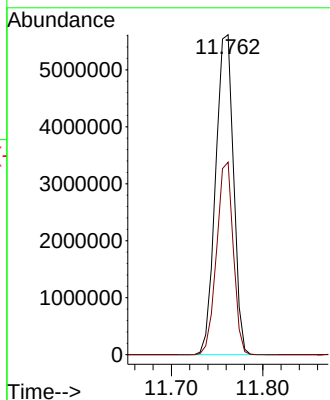
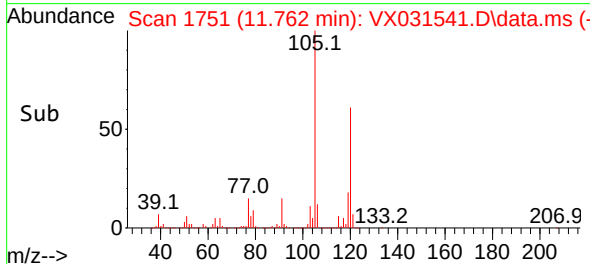
Instrument :
MSVOA_X
ClientSampleId :
MW-43



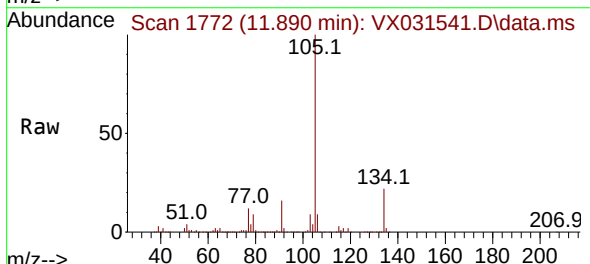
Tgt Ion:105 Resp: 7648614
Ion Ratio Lower Upper
105 100
120 56.1 22.6 67.8

Manual Integrations
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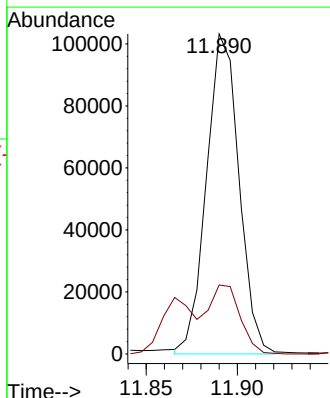
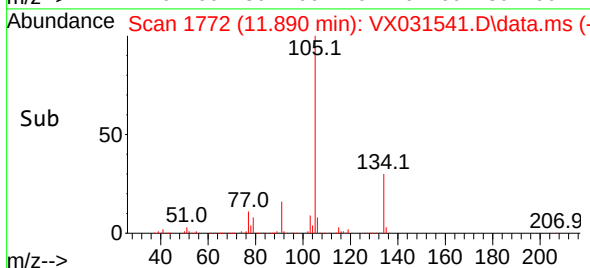
Reviewed By :John Carlone 09/22/2022
Supervised By :Mahesh Dadoda 09/23/2022

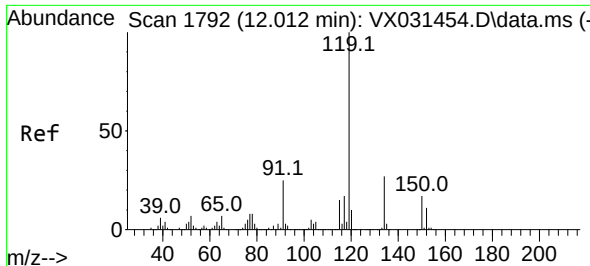


#85
sec-Butylbenzene
Concen: 12.767 ug/l m
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11



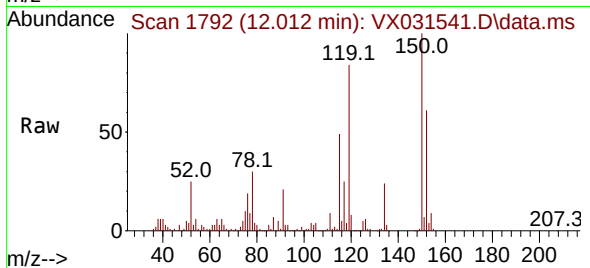
Tgt Ion:105 Resp: 128250
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#86
p-Isopropyltoluene
Concen: 5.947 ug/l
RT: 12.012 min Scan# 119
Delta R.T. -0.000 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

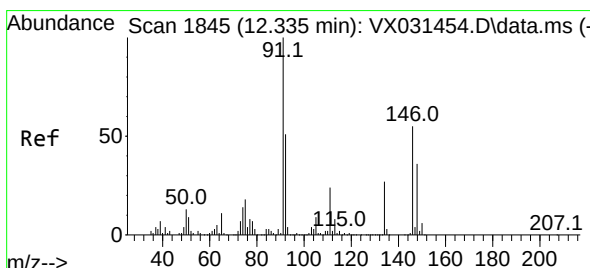
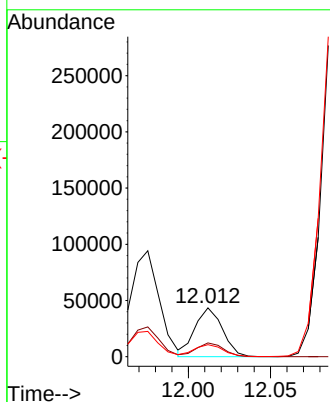
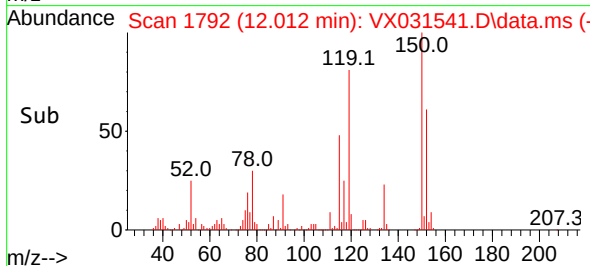
Instrument :
MSVOA_X
ClientSampleId :
MW-43



Tgt Ion: 119 Resp: 5044
Ion Ratio Lower Upper
119 100
134 28.1 13.4 40.2
91 0.0 12.4 37.2

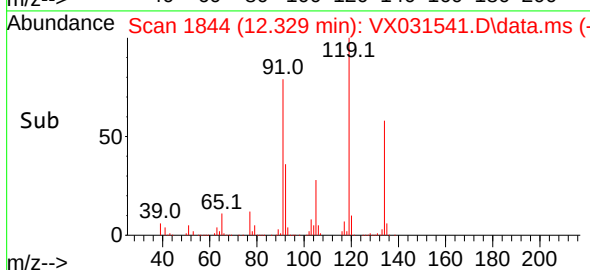
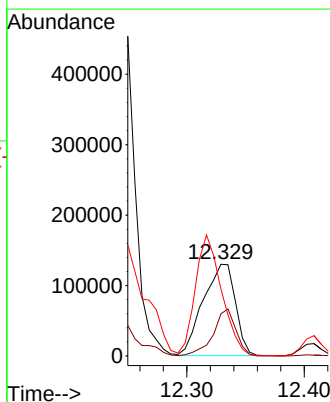
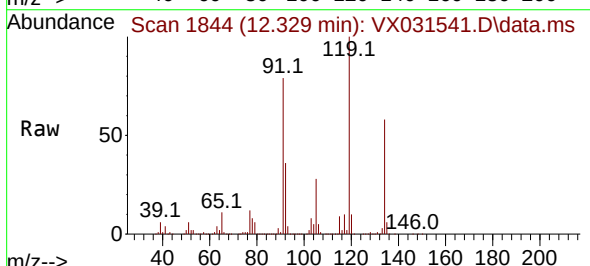
Manual Integrations
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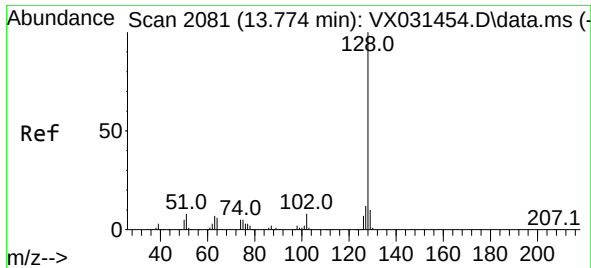
Reviewed By :John Carlone 09/22/2022
Supervised By :Mahesh Dadoda 09/23/2022



#89
n-Butylbenzene
Concen: 34.333 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

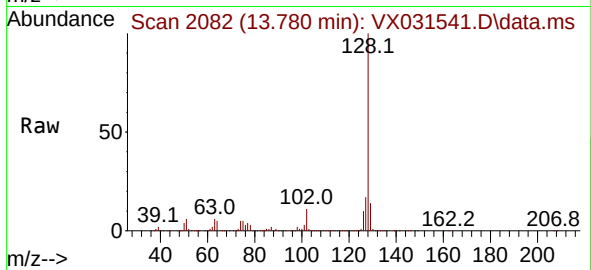
Tgt Ion: 91 Resp: 248077
Ion Ratio Lower Upper
91 100
92 36.4 27.0 81.0
134 107.5 13.3 39.9





#95
Naphthalene
Concen: 739.545 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX031541.D
Acq: 22 Sep 2022 01:11

Instrument :
MSVOA_X
ClientSampleId :
MW-43



Tgt Ion:128 Resp: 6851179
Ion Ratio Lower Upper
128 100
127 15.3 10.4 15.6
129 13.1 8.8 13.2

Manual Integrations
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Reviewed By :John Carlone 09/22/2022
Supervised By :Mahesh Dadoda 09/23/2022

