

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112922\
 Data File : VX033111.D
 Acq On : 29 Nov 2022 12:38
 Operator : JC/MD
 Sample : N5741-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-22

Quant Time: Nov 30 01:01:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/30/2022
 Supervised By :Mahesh Dadoda 11/30/2022

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	128257	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	206664	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66278	53.077	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.160%			
35) Dibromofluoromethane	5.385	113	53446	45.873	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.740%			
50) Toluene-d8	8.647	98	184068	52.621	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.240%			
62) 4-Bromofluorobenzene	11.079	95	68863	44.995	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.980%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.989	59	19465	98.310	ug/l	99
16) Acetone	2.392	43	1233	2.114	ug/l #	81
19) Methyl tert-butyl Ether	3.111	73	44795	11.540	ug/l #	1
22) Diisopropyl ether	3.764	45	5031	1.279	ug/l	95
31) Cyclohexane	5.477	56	95570	47.223	ug/l	91
39) Methylcyclohexane	7.379	83	16759	7.884	ug/l	91
40) Benzene	6.038	78	270919	51.868	ug/l	99
52) Toluene	8.720	92	4324	1.258	ug/l	98
67) Ethyl Benzene	10.195	91	165263	25.232	ug/l	99
68) m/p-Xylenes	10.305	106	3300	1.287	ug/l	99
69) o-Xylene	10.640	106	922	0.372	ug/l	99
73) Isopropylbenzene	10.964	105	65657	10.279	ug/l	99
78) n-propylbenzene	11.305	91	71533	9.794	ug/l	100
83) tert-Butylbenzene	11.713	119	1788	0.335	ug/l	89
84) 1,2,4-Trimethylbenzene	11.750	105	5698	1.065	ug/l	95
85) sec-Butylbenzene	11.890	105	7668	1.200	ug/l	99
89) n-Butylbenzene	12.329	91	1797m	0.385	ug/l	
95) Naphthalene	13.774	128	51399	8.992	ug/l	98

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

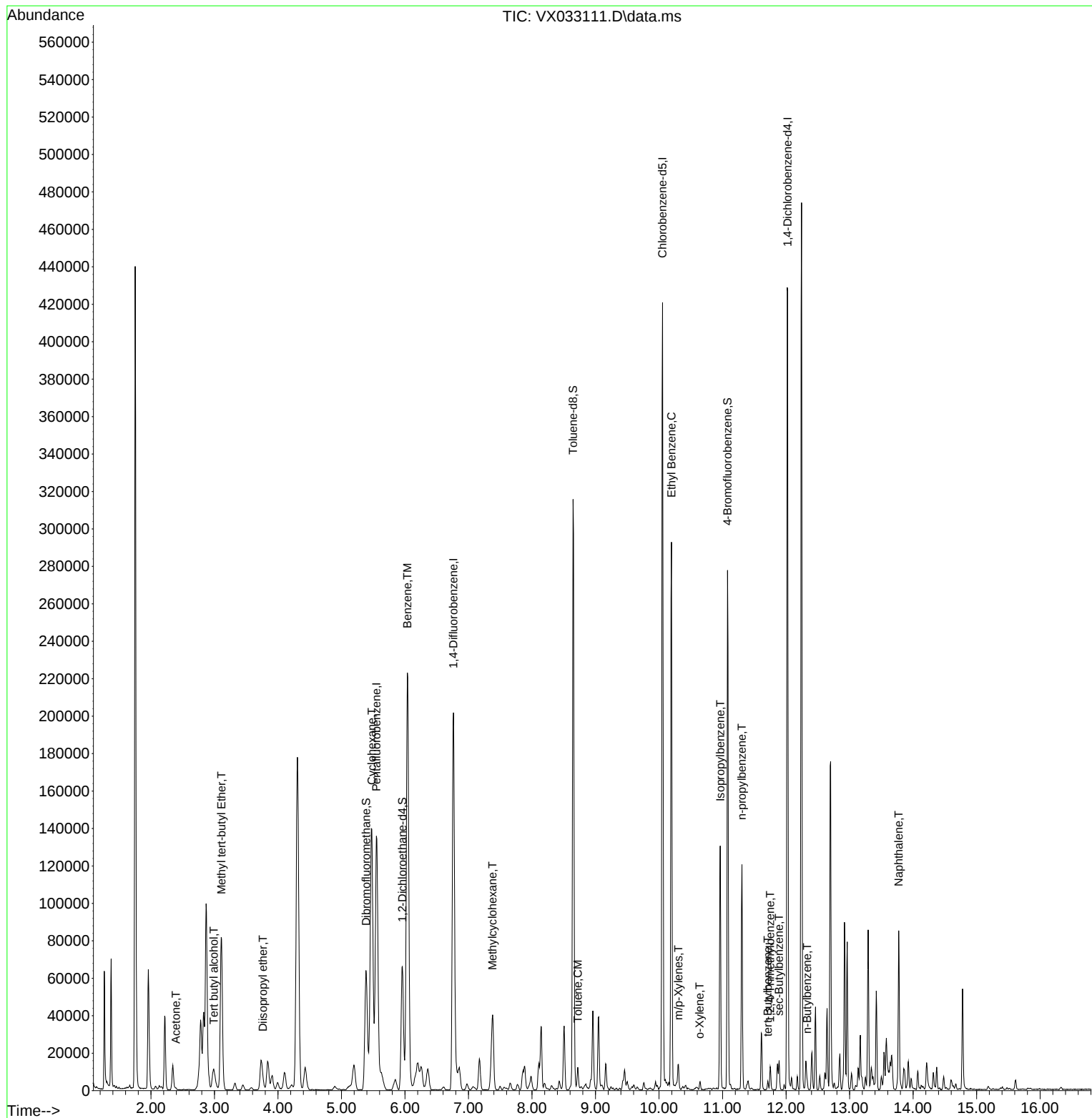
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112922\
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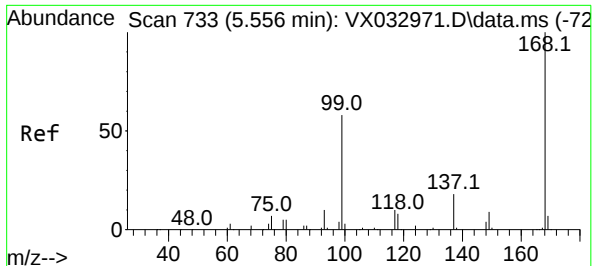
Instrument :
MSVOA_X
ClientSampleId :
MW-22

Quant Time: Nov 30 01:01:21 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 22 13:58:46 2022
Response via : Initial Calibration

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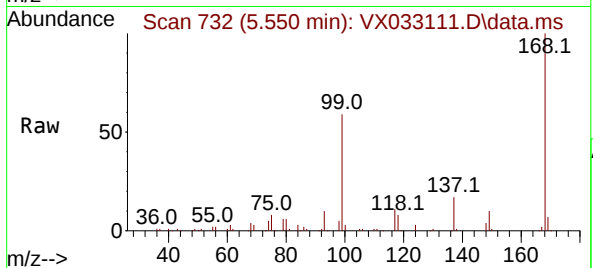
Reviewed By : John Carlone 11/30/2022
Supervised By : Mahesh Dadoda 11/30/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

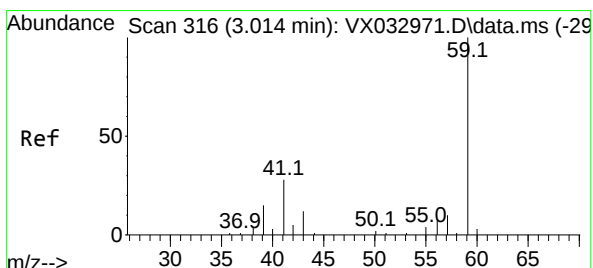
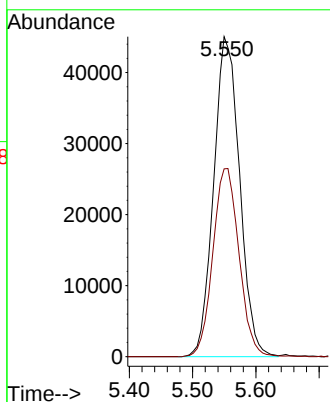
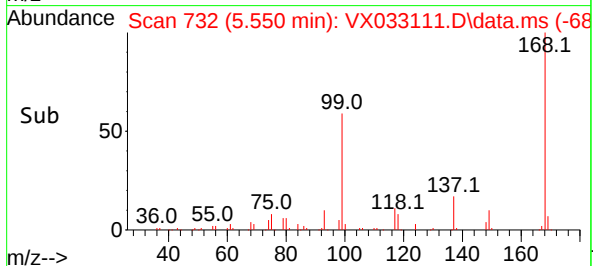
Instrument :
MSVOA_X
ClientSampleId :
MW-22



Tgt Ion:168 Resp: 12825
Ion Ratio Lower Upper
168 100
99 58.7 46.1 69.1

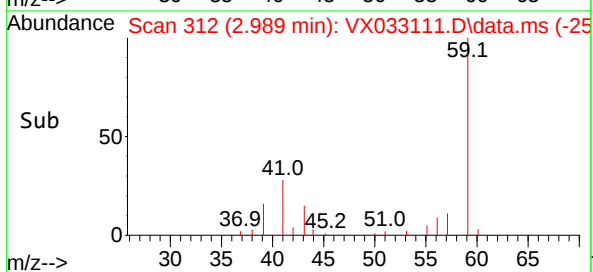
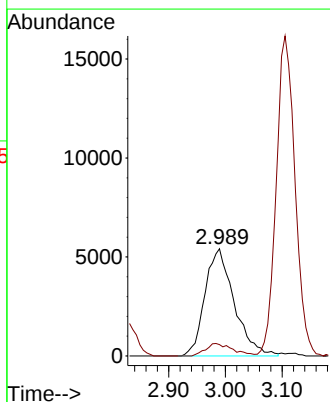
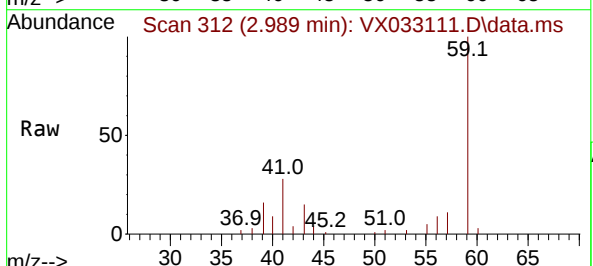
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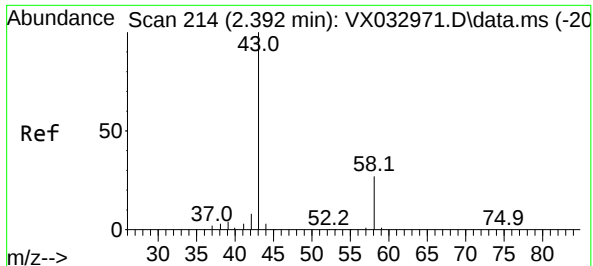
Reviewed By :John Carlone 11/30/2022
Supervised By :Mahesh Dadoda 11/30/2022



#11
Tert butyl alcohol
Concen: 98.310 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.024 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

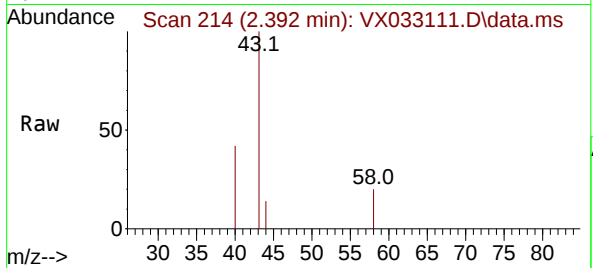
Tgt Ion: 59 Resp: 19465
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.4





#16
Acetone
Concen: 2.114 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

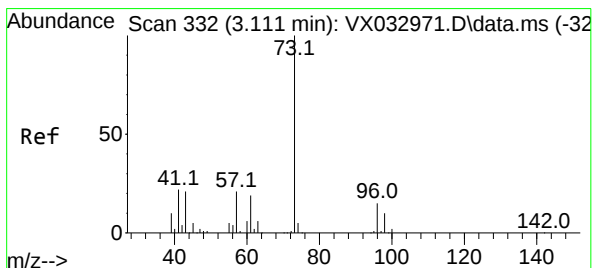
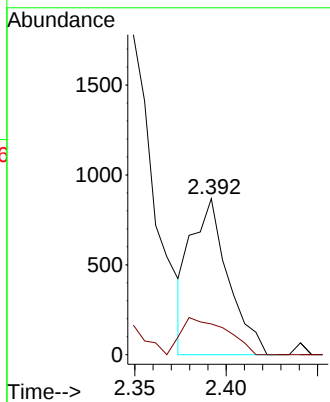
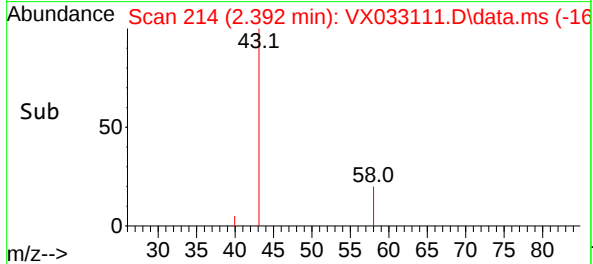
Instrument :
MSVOA_X
ClientSampleId :
MW-22



Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
58 19.7 23.8 35.8

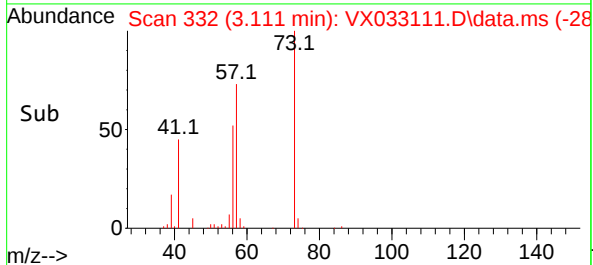
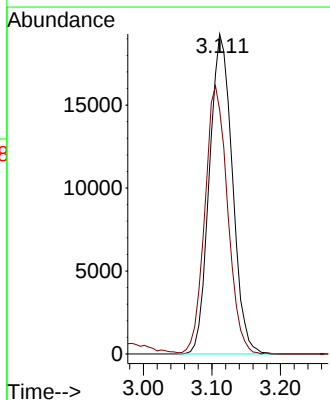
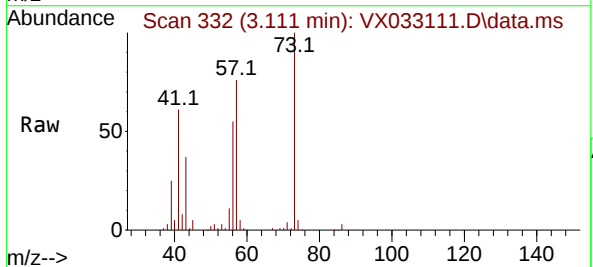
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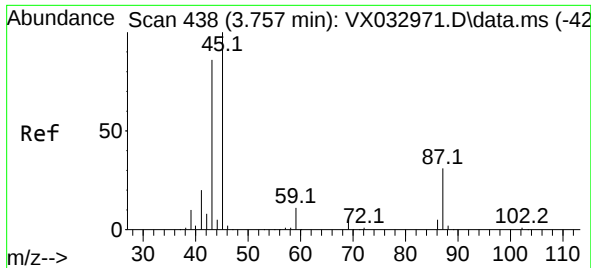
Reviewed By :John Carlone 11/30/2022
Supervised By :Mahesh Dadoda 11/30/2022



#19
Methyl tert-butyl Ether
Concen: 11.540 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

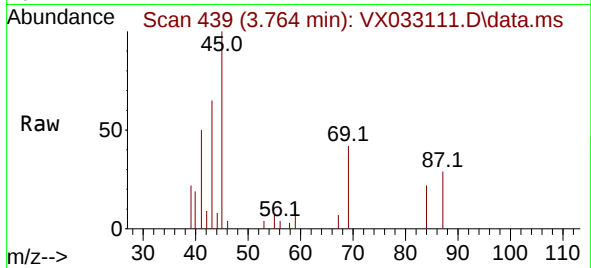
Tgt Ion: 73 Resp: 44795
Ion Ratio Lower Upper
73 100
57 76.3 16.6 25.0





#22
Diisopropyl ether
Concen: 1.279 ug/l
RT: 3.764 min Scan# 41
Delta R.T. 0.001 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

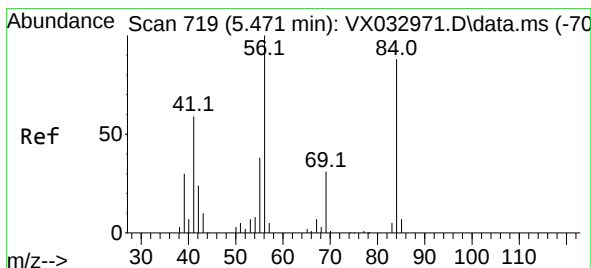
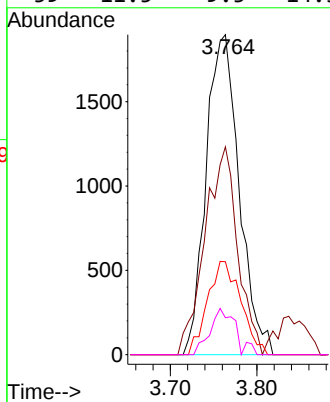
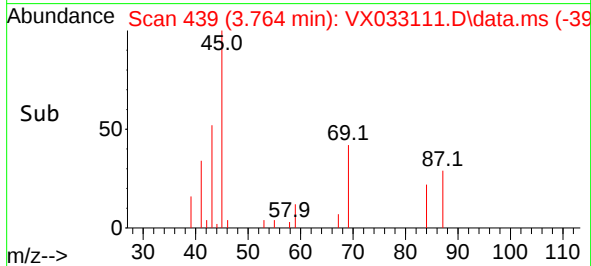
Instrument :
MSVOA_X
ClientSampleId :
MW-22



Tgt Ion: 45 Resp: 503
Ion Ratio Lower Upper
45 100
43 64.9 56.4 84.6
87 29.0 24.4 36.6
59 11.5 9.5 14.3

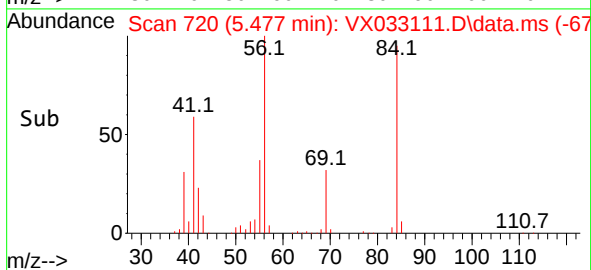
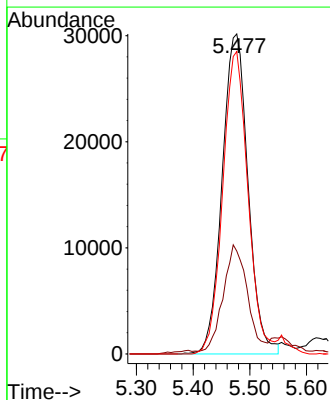
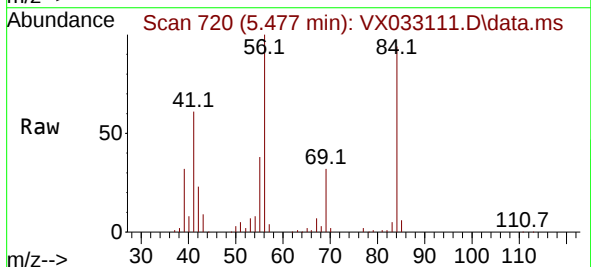
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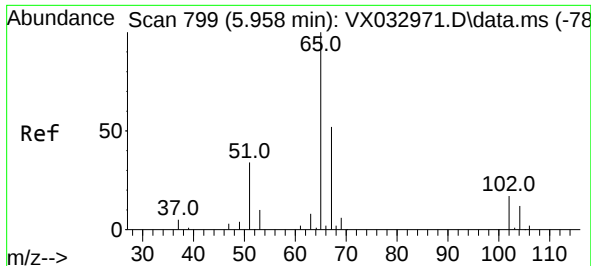
Reviewed By :John Carlone 11/30/2022
Supervised By :Mahesh Dadoda 11/30/2022



#31
Cyclohexane
Concen: 47.223 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.007 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

Tgt Ion: 56 Resp: 95570
Ion Ratio Lower Upper
56 100
69 31.4 24.1 36.1
84 94.5 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 53.077 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033111.D

Acq: 29 Nov 2022 12:38

Instrument :

MSVOA_X

ClientSampleId :

MW-22

Tgt Ion: 65 Resp: 66278

Ion Ratio Lower Upper

65 100

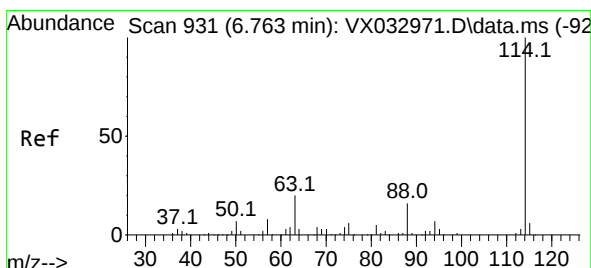
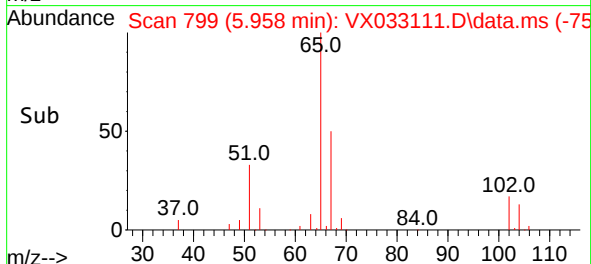
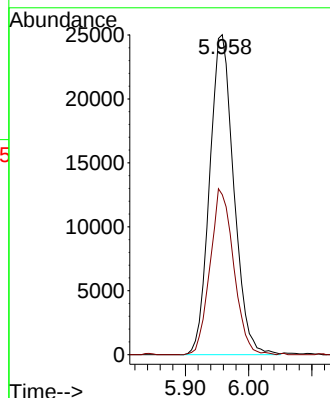
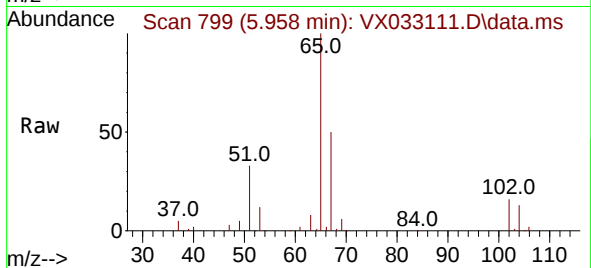
67 50.7 0.0 101.8

Manual Integrations

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Reviewed By :John Carlone 11/30/2022

Supervised By :Mahesh Dadoda 11/30/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033111.D

Acq: 29 Nov 2022 12:38

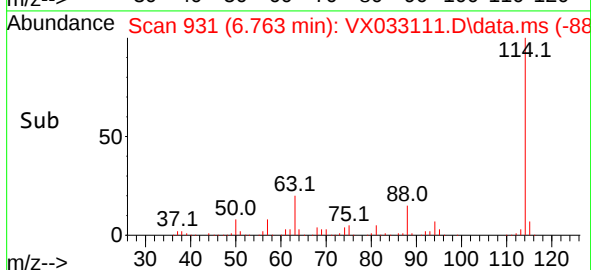
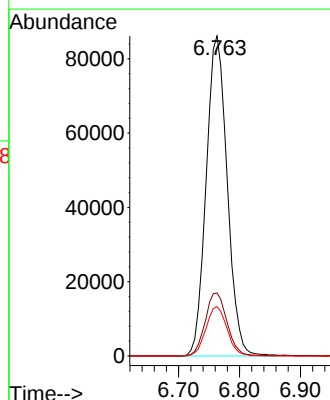
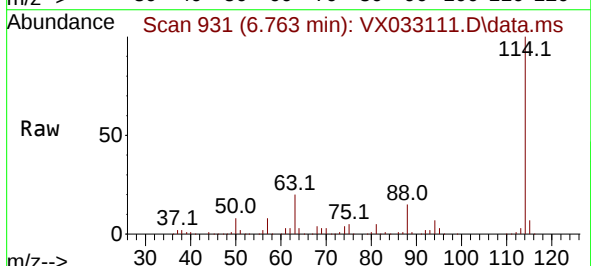
Tgt Ion:114 Resp: 206664

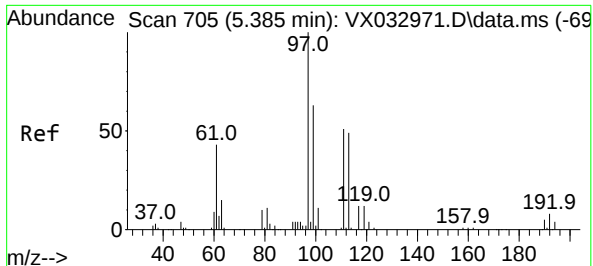
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.6

88 15.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 45.873 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033111.D

Acq: 29 Nov 2022 12:38

Instrument :

MSVOA_X

ClientSampleId :

MW-22

Tgt Ion: 113 Resp: 5344

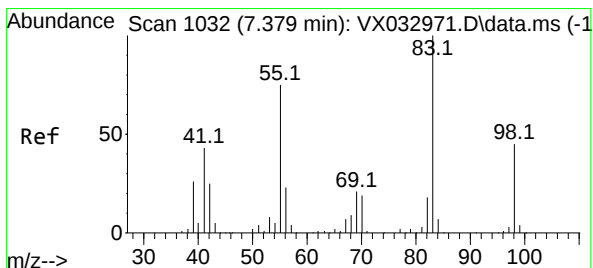
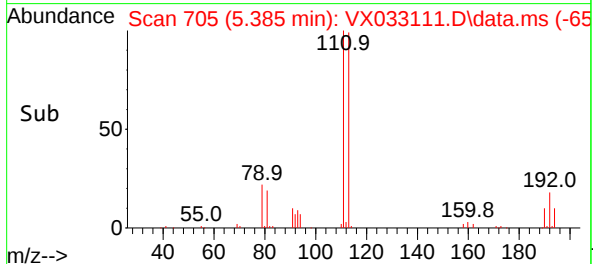
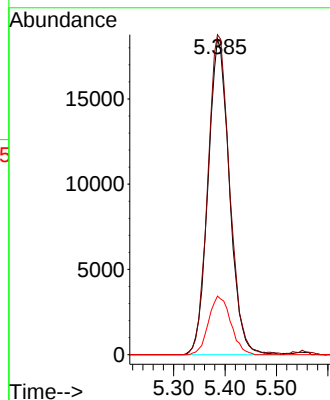
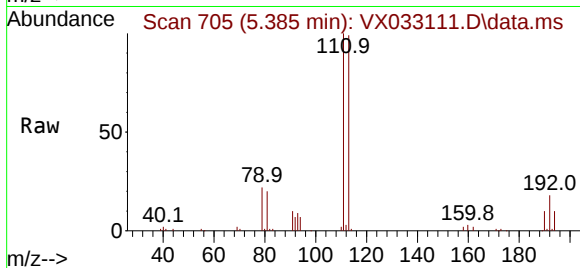
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.4	123.6
192	19.2	15.4	23.2

Manual Integrations

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Supervised By :Mahesh Dadoda 11/30/2022



#39

Methylcyclohexane

Concen: 7.884 ug/l

RT: 7.379 min Scan# 1032

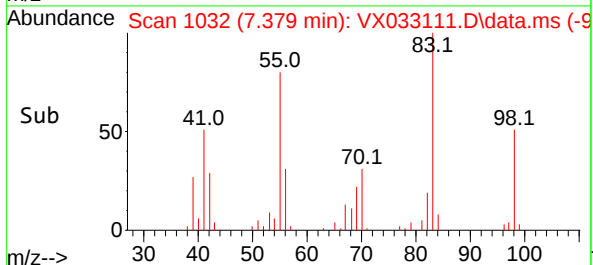
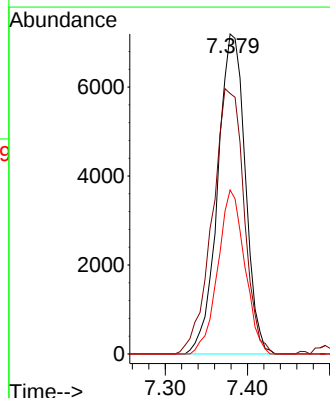
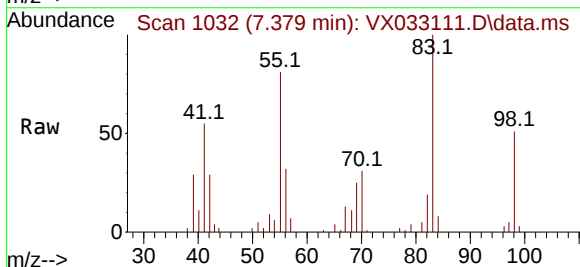
Delta R.T. -0.006 min

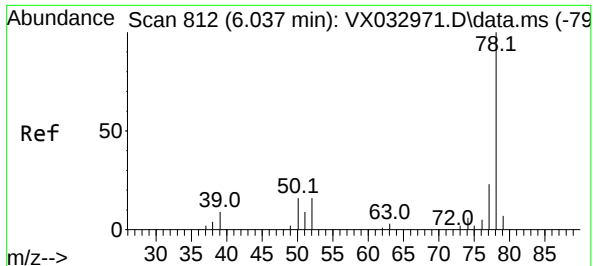
Lab File: VX033111.D

Acq: 29 Nov 2022 12:38

Tgt Ion: 83 Resp: 16759

Ion	Ratio	Lower	Upper
83	100		
55	81.4	58.4	87.6
98	51.3	37.2	55.8





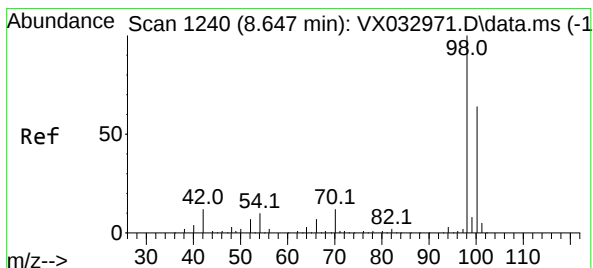
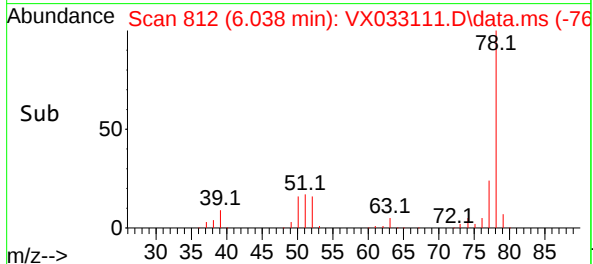
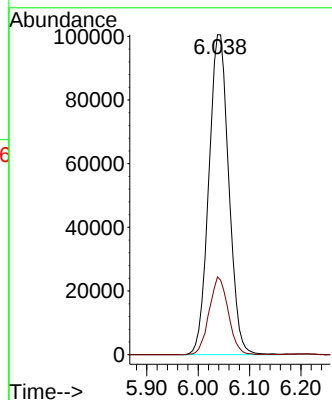
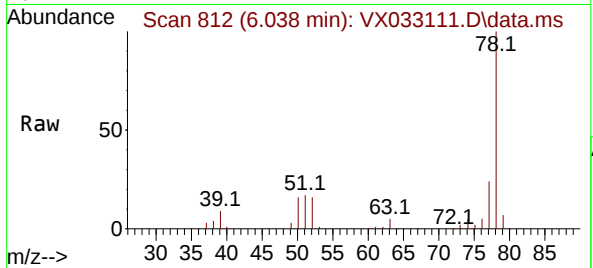
#40
Benzene
Concen: 51.868 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.001 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

Instrument :
MSVOA_X
ClientSampleId :
MW-22

Tgt Ion: 78 Resp: 270919
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4

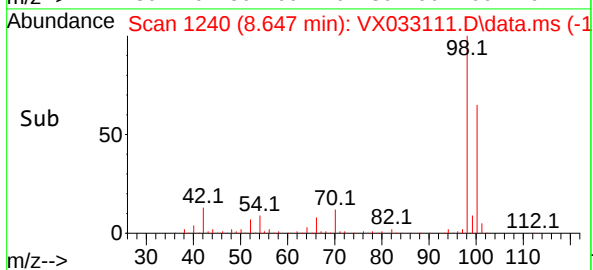
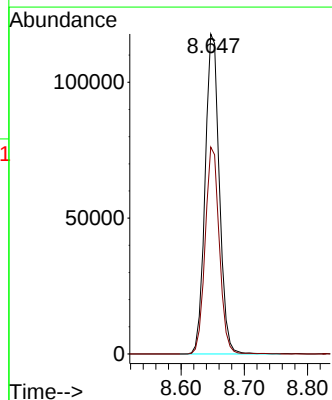
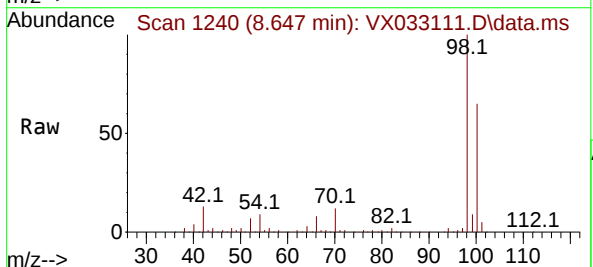
Manual Integrations
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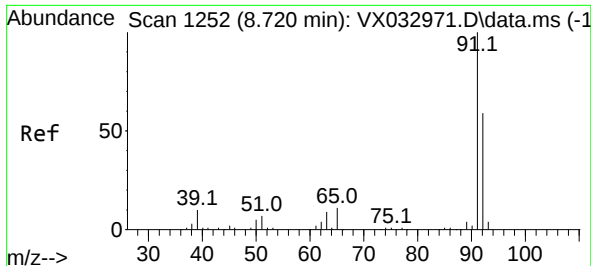
Reviewed By :John Carlone 11/30/2022
Supervised By :Mahesh Dadoda 11/30/2022



#50
Toluene-d8
Concen: 52.621 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

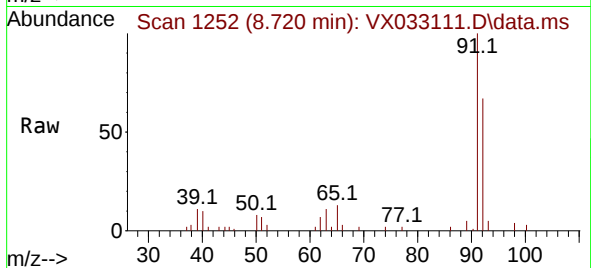
Tgt Ion: 98 Resp: 184068
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3





#52
Toluene
Concen: 1.258 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

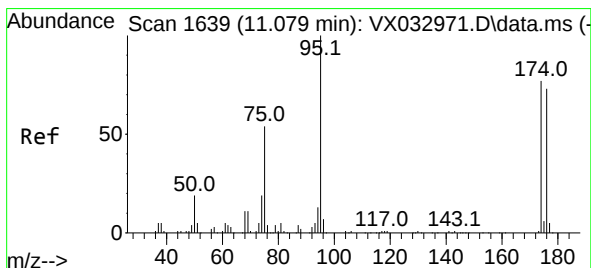
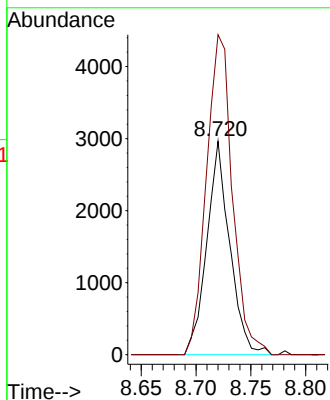
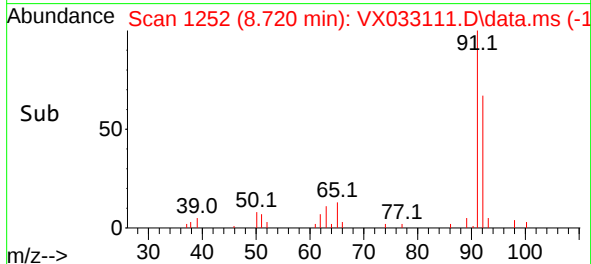
Instrument :
MSVOA_X
ClientSampleId :
MW-22



Tgt Ion: 92 Resp: 4324
Ion Ratio Lower Upper
92 100
91 170.1 138.3 207.5

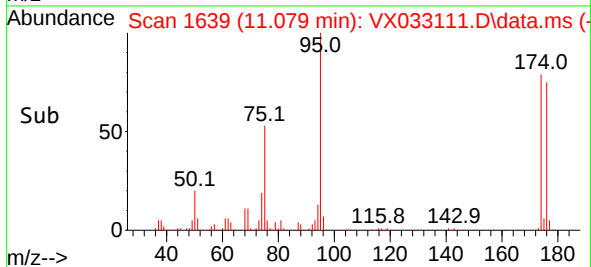
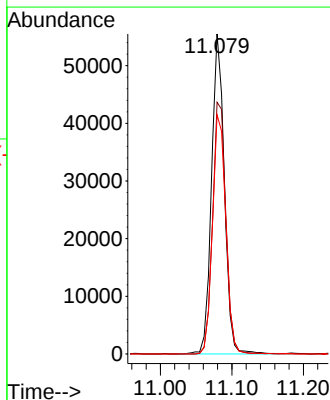
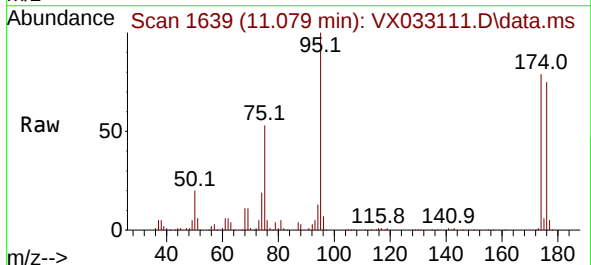
Manual Integrations
APPROVED

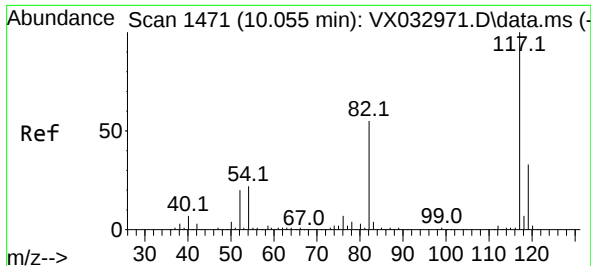
Reviewed By :John Carlone 11/30/2022
Supervised By :Mahesh Dadoda 11/30/2022



#62
4-Bromofluorobenzene
Concen: 44.995 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

Tgt Ion: 95 Resp: 68863
Ion Ratio Lower Upper
95 100
174 81.8 0.0 164.0
176 77.9 0.0 154.4





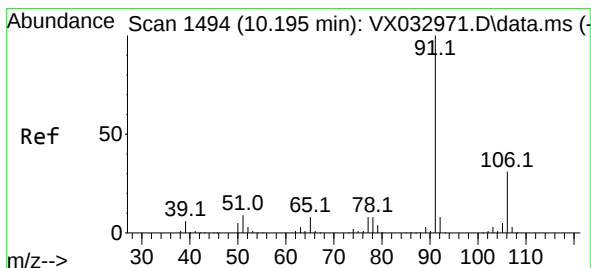
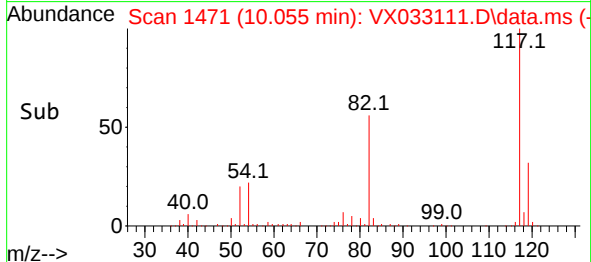
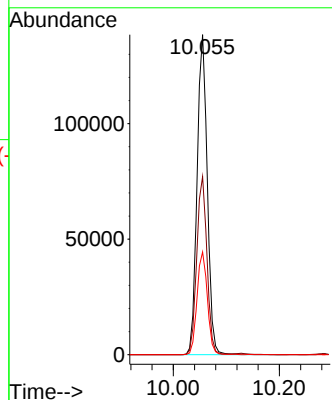
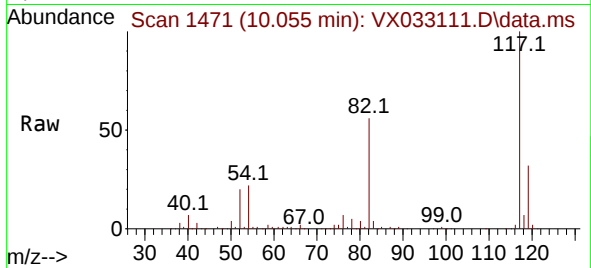
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

Instrument :
MSVOA_X
ClientSampleId :
MW-22

Tgt Ion:117 Resp: 185200
Ion Ratio Lower Upper
117 100
82 55.6 44.3 66.5
119 32.1 25.7 38.5

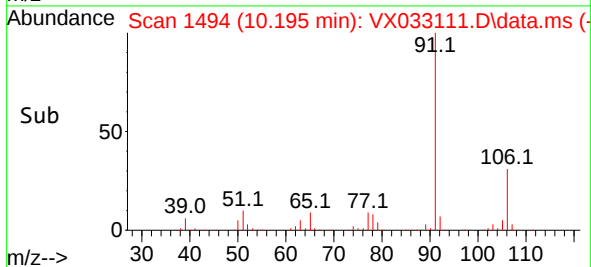
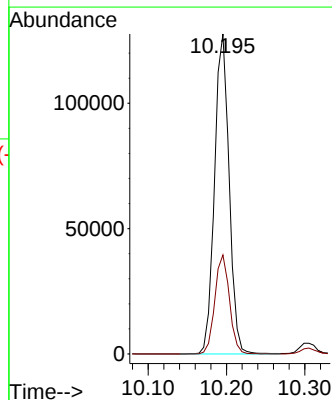
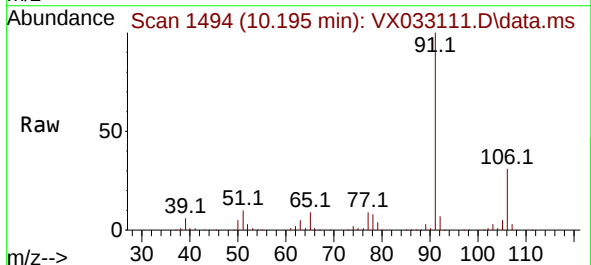
Manual Integrations
APPROVED

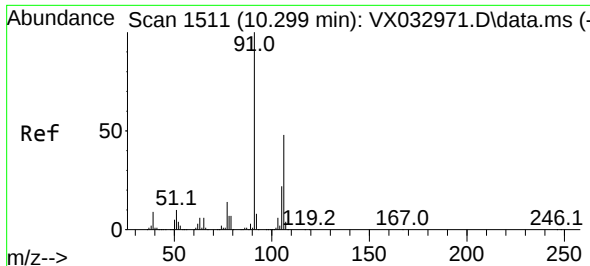
Reviewed By :John Carlone 11/30/2022
Supervised By :Mahesh Dadoda 11/30/2022



#67
Ethyl Benzene
Concen: 25.232 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

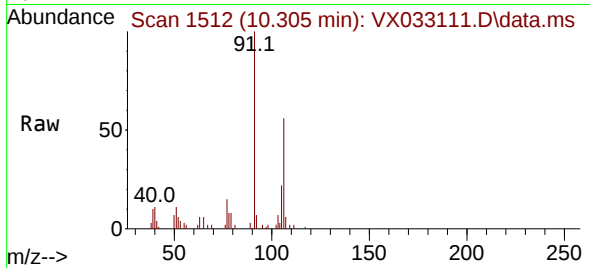
Tgt Ion: 91 Resp: 165263
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.6





#68
m/p-Xylenes
Concen: 1.287 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

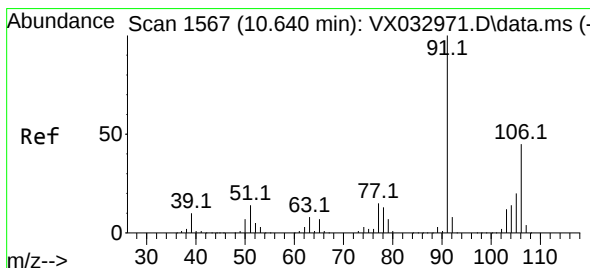
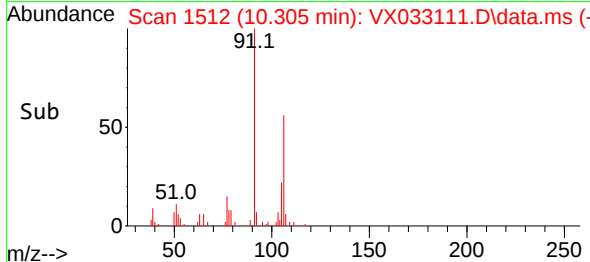
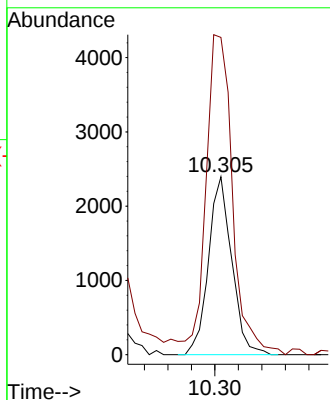
Instrument :
MSVOA_X
ClientSampleId :
MW-22



Tgt Ion:106 Resp: 3300
Ion Ratio Lower Upper
106 100
91 204.5 164.5 246.7

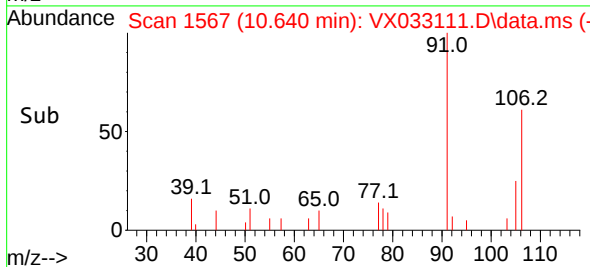
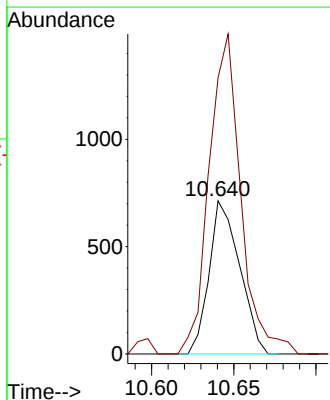
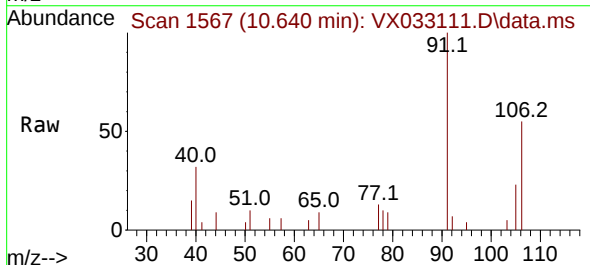
Manual Integrations
APPROVED

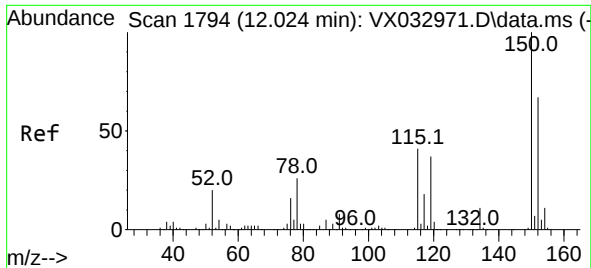
Reviewed By :John Carlone 11/30/2022
Supervised By :Mahesh Dadoda 11/30/2022



#69
o-Xylene
Concen: 0.372 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

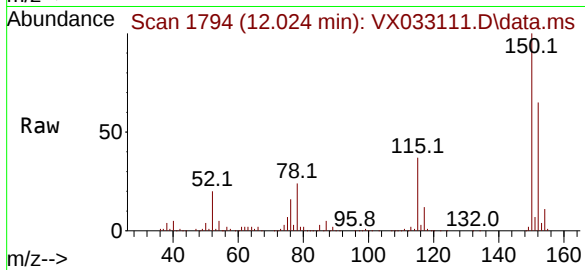
Tgt Ion:106 Resp: 922
Ion Ratio Lower Upper
106 100
91 217.1 109.2 327.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

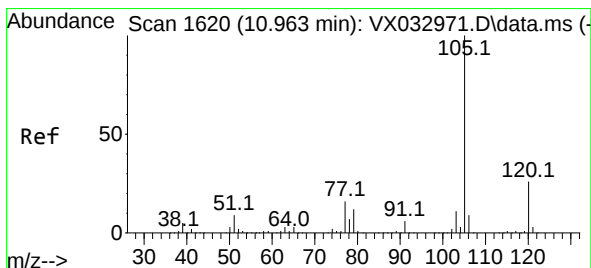
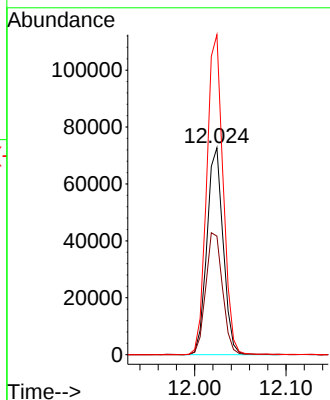
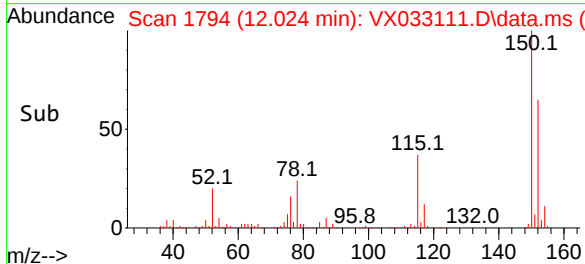
Instrument :
MSVOA_X
ClientSampleId :
MW-22



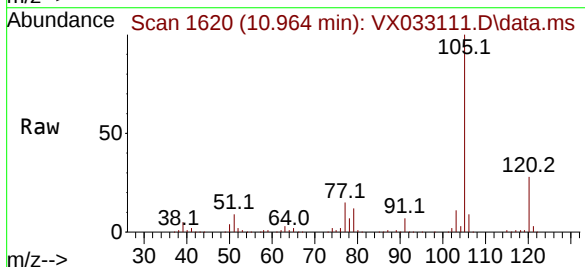
Tgt Ion:152 Resp: 8939
Ion Ratio Lower Upper
152 100
115 61.3 44.0 132.0
150 156.3 0.0 351.8

Manual Integrations
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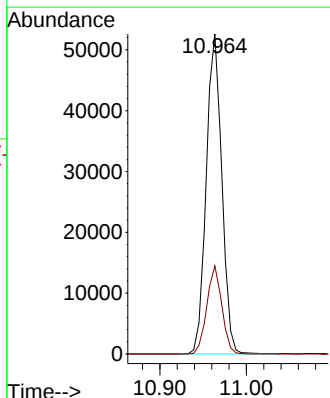
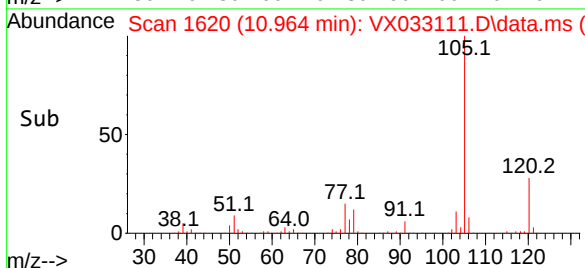
Reviewed By :John Carlone 11/30/2022
Supervised By :Mahesh Dadoda 11/30/2022

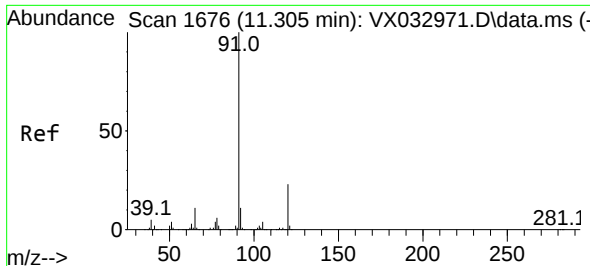


#73
Isopropylbenzene
Concen: 10.279 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38



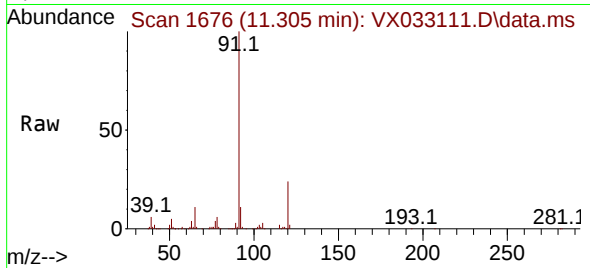
Tgt Ion:105 Resp: 65657
Ion Ratio Lower Upper
105 100
120 26.5 13.1 39.3





#78
n-propylbenzene
Concen: 9.794 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

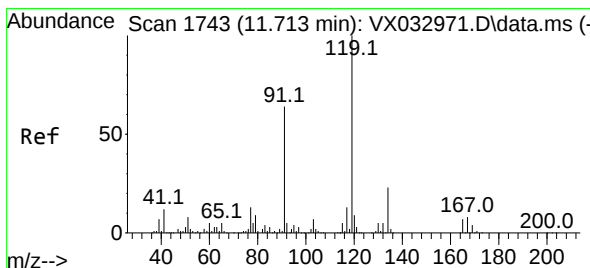
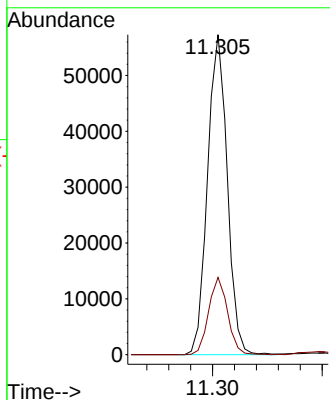
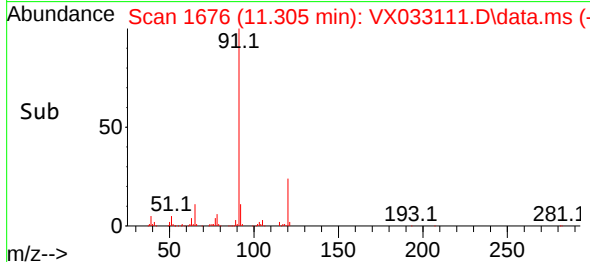
Instrument :
MSVOA_X
ClientSampleId :
MW-22



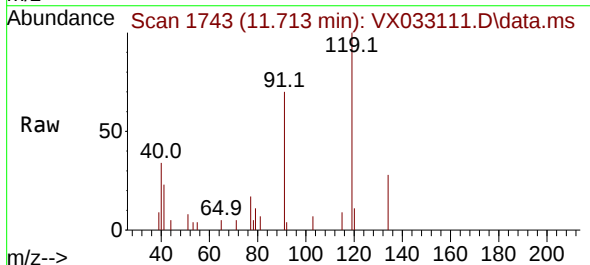
Tgt Ion: 91 Resp: 7153
Ion Ratio Lower Upper
91 100
120 23.2 11.6 34.8

Manual Integrations
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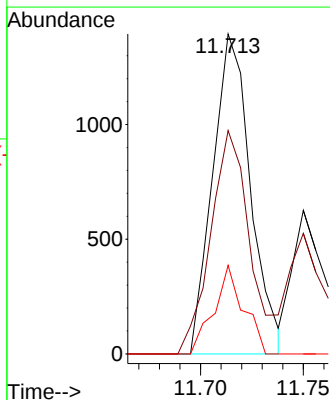
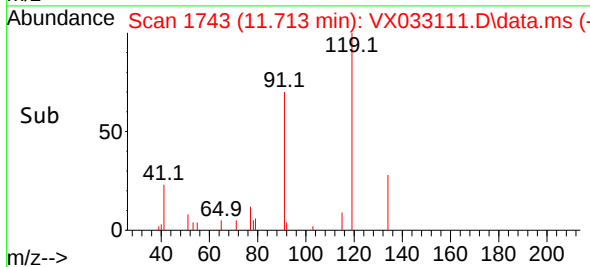
Reviewed By :John Carlone 11/30/2022
Supervised By :Mahesh Dadoda 11/30/2022

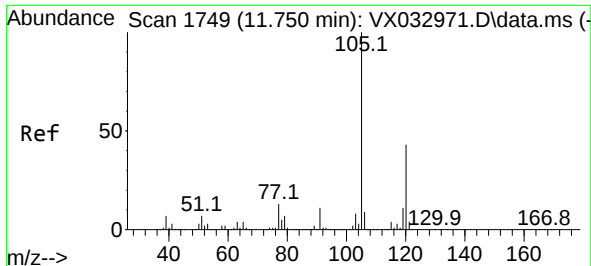


#83
tert-Butylbenzene
Concen: 0.335 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38



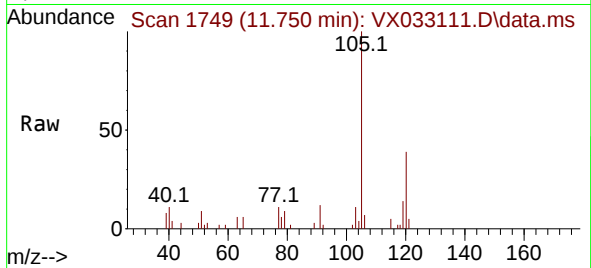
Tgt Ion:119 Resp: 1788
Ion Ratio Lower Upper
119 100
91 69.6 29.4 88.2
134 21.7 11.0 33.0





#84
1,2,4-Trimethylbenzene
Concen: 1.065 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

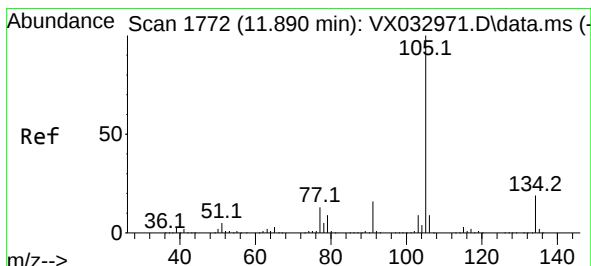
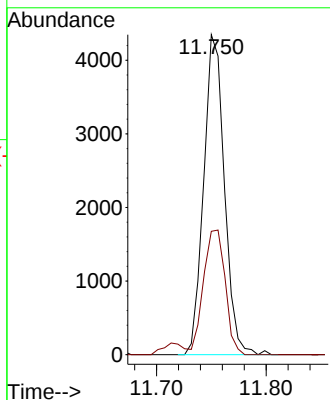
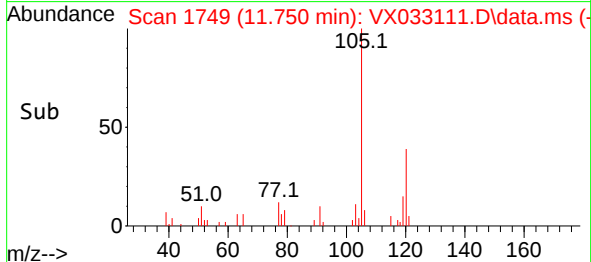
Instrument :
MSVOA_X
ClientSampleId :
MW-22



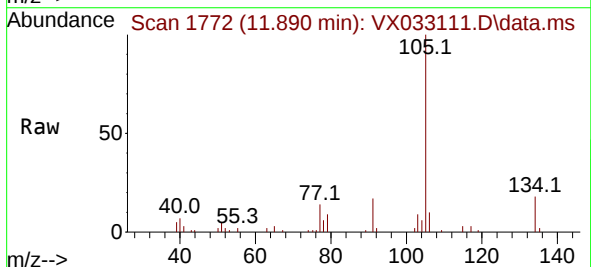
Tgt Ion:105 Resp: 5698
Ion Ratio Lower Upper
105 100
120 40.6 21.9 65.5

Manual Integrations
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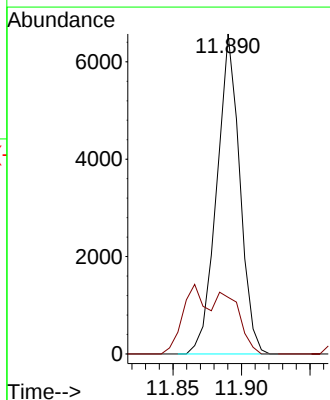
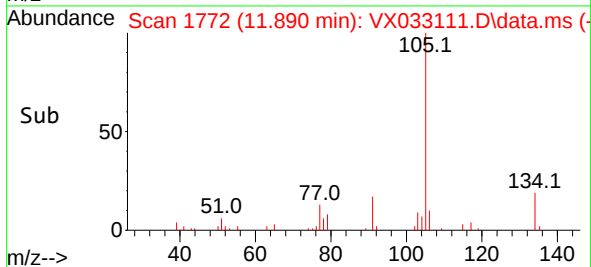
Reviewed By :John Carlone 11/30/2022
Supervised By :Mahesh Dadoda 11/30/2022

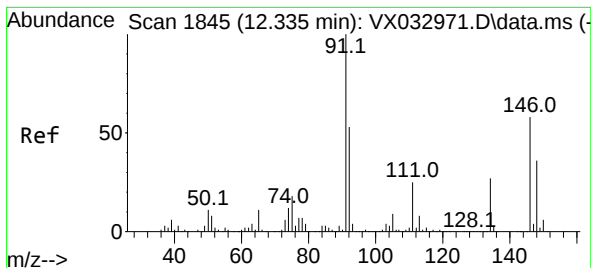


#85
sec-Butylbenzene
Concen: 1.200 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38



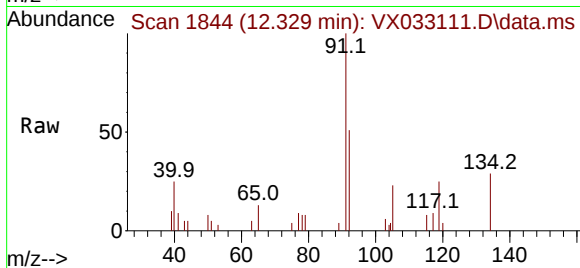
Tgt Ion:105 Resp: 7668
Ion Ratio Lower Upper
105 100
134 19.4 9.9 29.7





#89
n-Butylbenzene
Concen: 0.385 ug/l m
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

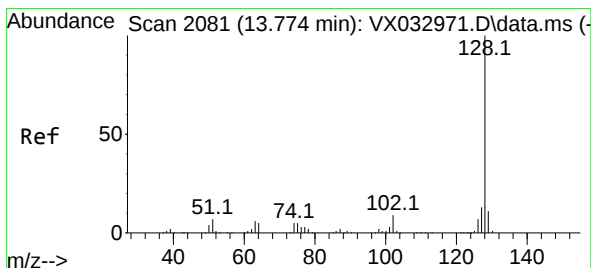
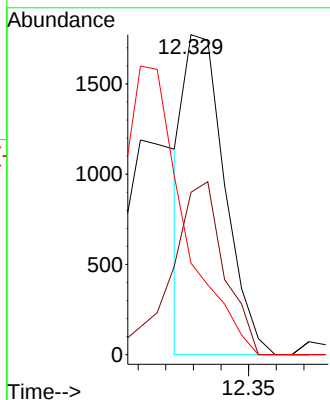
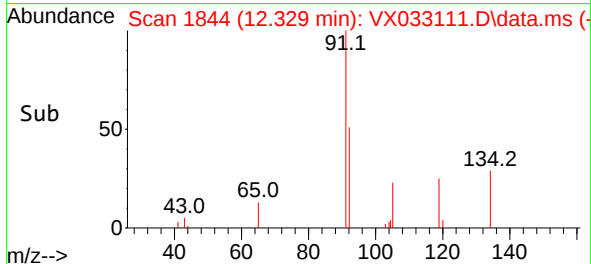
Instrument :
MSVOA_X
ClientSampleId :
MW-22



Tgt Ion: 91 Resp: 179
Ion Ratio Lower Upper
91 100
92 71.4 26.2 78.6
134 0.0 12.9 38.6

Manual Integrations
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Reviewed By :John Carlone 11/30/2022
Supervised By :Mahesh Dadoda 11/30/2022



#95
Naphthalene
Concen: 8.992 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX033111.D
Acq: 29 Nov 2022 12:38

Tgt Ion:128 Resp: 51399
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.9 8.9 13.3

