

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
 Data File : VX033029.D
 Acq On : 23 Nov 2022 18:53
 Operator : JC/MD
 Sample : N5741-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-25

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/25/2022
 Supervised By :Mahesh Dadoda 11/28/2022

Quant Time: Nov 24 04:07:43 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

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	119134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	194262	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	35458	29.153	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	58.300%#		
35) Dibromofluoromethane	5.391	113	38014	34.710	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	69.420%#		
50) Toluene-d8	8.653	98	81087	23.462	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	46.920%#		
62) 4-Bromofluorobenzene	11.079	95	84052	58.425	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	116.860%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.001	59	13969	75.955	ug/l #	72
19) Methyl tert-butyl Ether	3.111	73	500270	138.749	ug/l	97
22) Diisopropyl ether	3.764	45	7148	1.956	ug/l #	79
31) Cyclohexane	5.477	56	30880	16.427	ug/l	92
39) Methylcyclohexane	7.385	83	4525	2.265	ug/l	91
40) Benzene	6.037	78	557699	113.589	ug/l	99
52) Toluene	8.720	92	1421272	440.000	ug/l	98
67) Ethyl Benzene	10.195	91	2658036	419.567	ug/l	97
68) m/p-Xylenes	10.305	106	1601471	645.549	ug/l	96
69) o-Xylene	10.646	106	1362080	567.452	ug/l	94
73) Isopropylbenzene	10.963	105	95428	13.311	ug/l	99
78) n-propylbenzene	11.305	91	248950	30.373	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	241979	40.180	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	1826535	304.171	ug/l	98
85) sec-Butylbenzene	11.890	105	8856m	1.235	ug/l	
86) p-Isopropyltoluene	12.012	119	5581m	0.918	ug/l	
89) n-Butylbenzene	12.323	91	26446	5.052	ug/l #	20
95) Naphthalene	13.774	128	2277271	354.994	ug/l	99

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

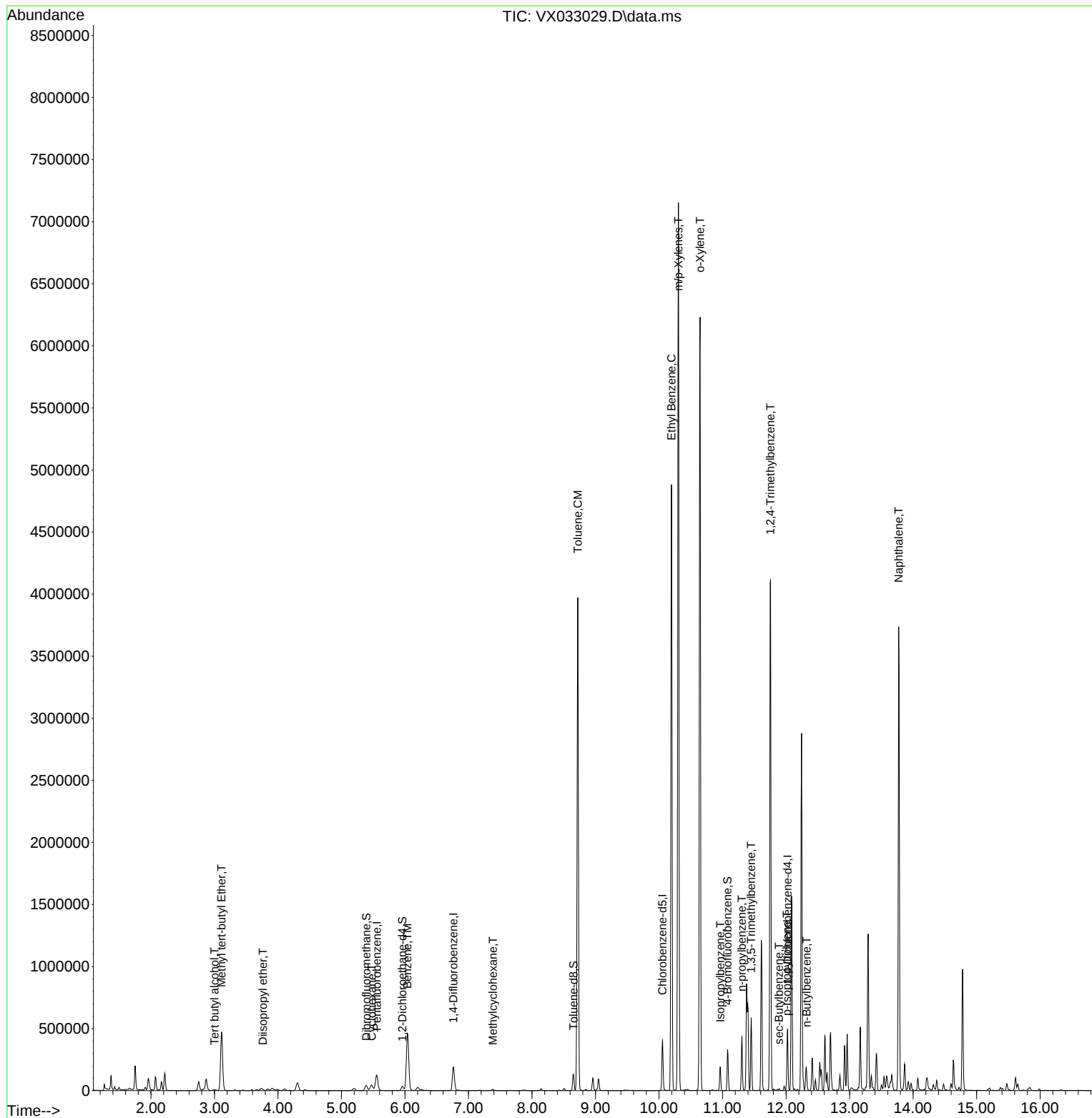
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
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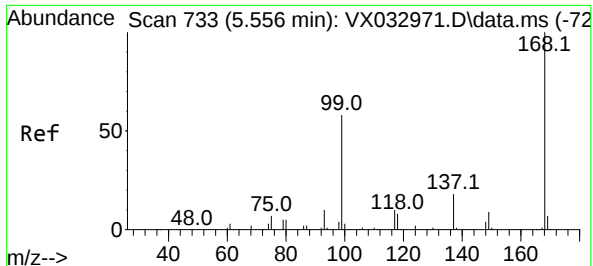
Instrument :
MSVOA_X
ClientSampleId :
MW-25

Manual Integrations
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Supervised By : Mahesh Dadoda 11/28/2022

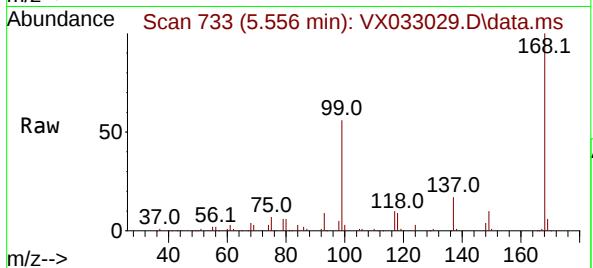
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 22 13:58:46 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.000 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

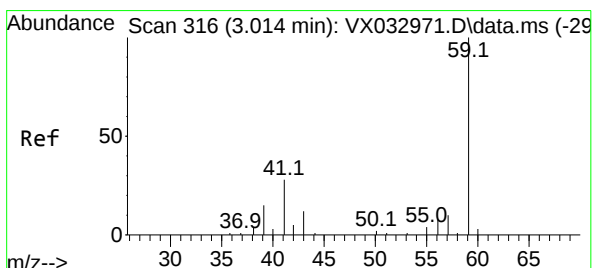
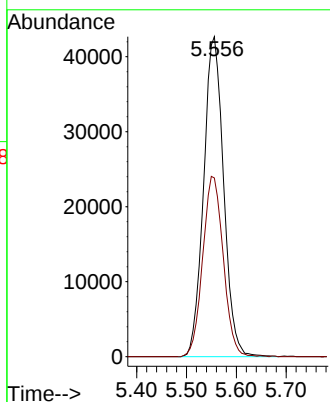
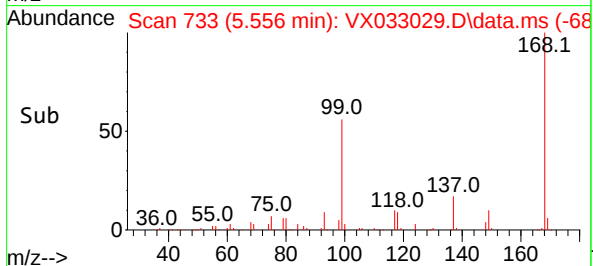
Instrument :
MSVOA_X
ClientSampleId :
MW-25



Tgt Ion:168 Resp: 119134
Ion Ratio Lower Upper
168 100
99 55.8 46.1 69.1

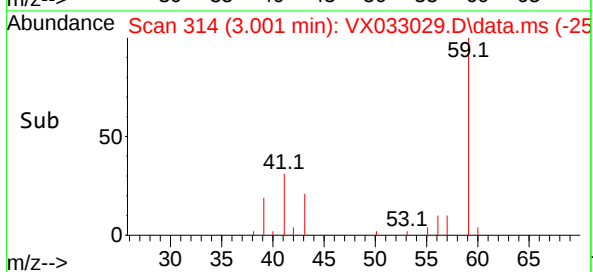
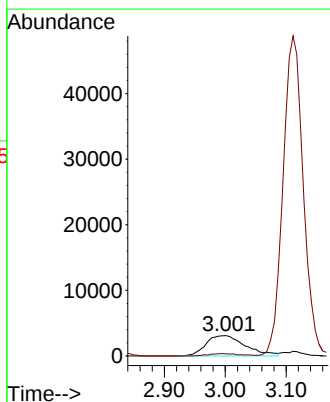
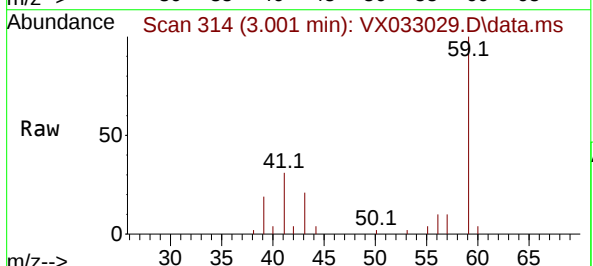
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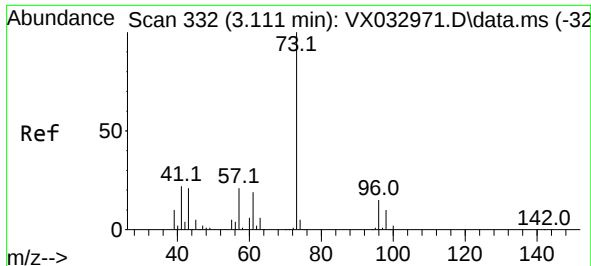
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#11
Tert butyl alcohol
Concen: 75.955 ug/l
RT: 3.001 min Scan# 314
Delta R.T. 0.036 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

Tgt Ion: 59 Resp: 13969
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





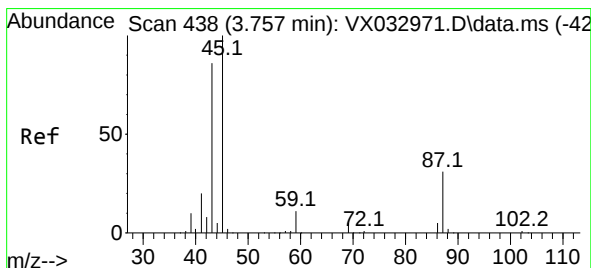
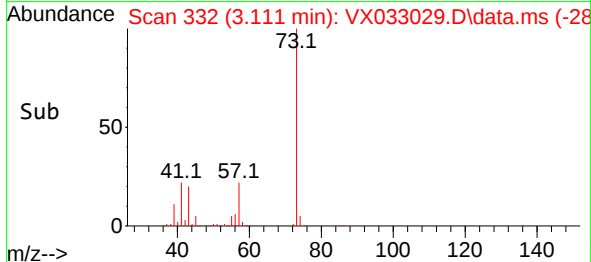
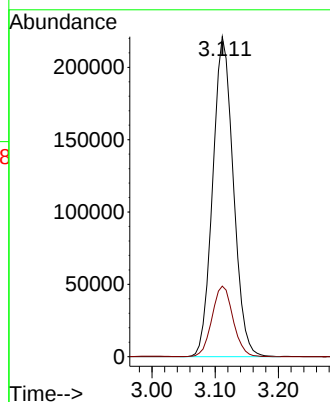
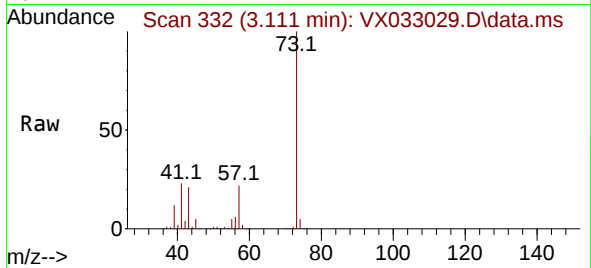
#19
Methyl tert-butyl Ether
Concen: 138.749 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

Instrument :
MSVOA_X
ClientSampleId :
MW-25

Tgt Ion: 73 Resp: 500270
Ion Ratio Lower Upper
73 100
57 22.0 16.6 25.0

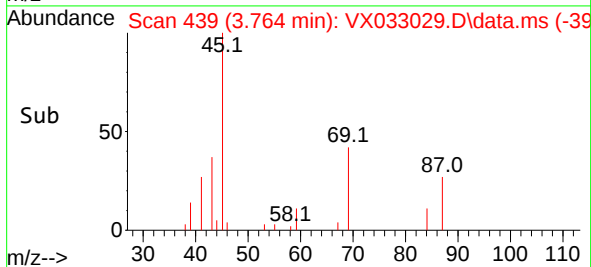
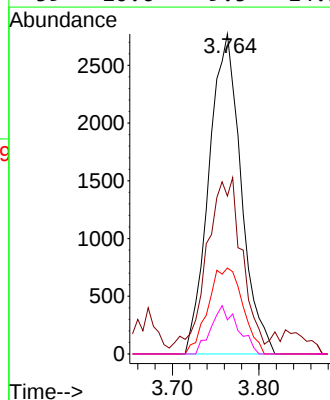
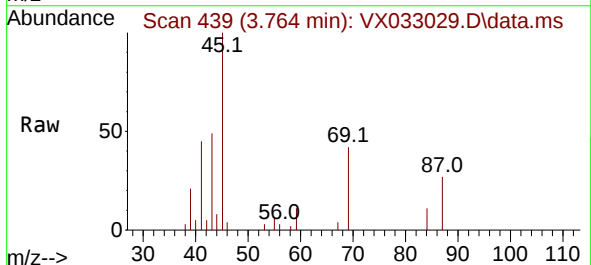
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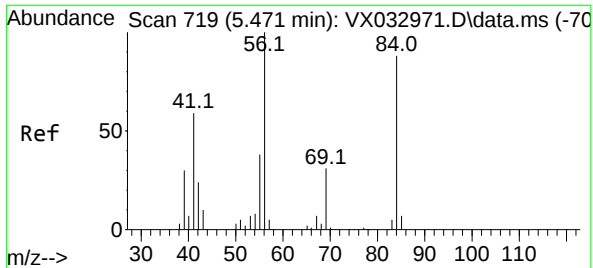
Reviewed By :John Carlone 11/25/2022
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#22
Diisopropyl ether
Concen: 1.956 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.001 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

Tgt Ion: 45 Resp: 7148
Ion Ratio Lower Upper
45 100
43 45.5 56.4 84.6#
87 26.8 24.4 36.6
59 10.6 9.5 14.3





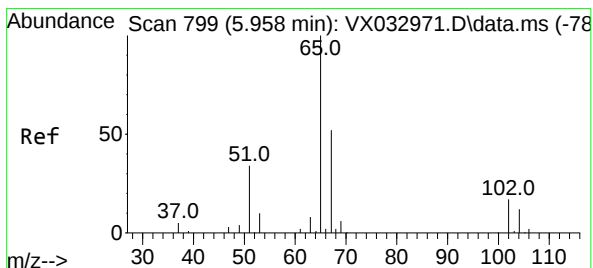
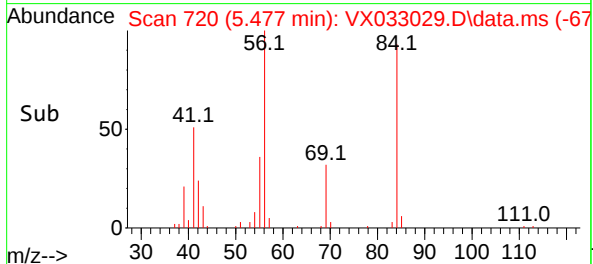
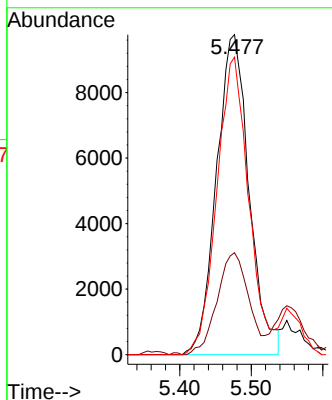
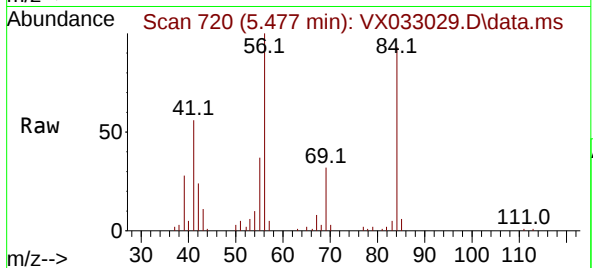
#31
Cyclohexane
Concen: 16.427 ug/l
RT: 5.477 min Scan# 719
Delta R.T. 0.007 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

Instrument :
MSVOA_X
ClientSampleId :
MW-25

Tgt Ion: 56 Resp: 30880
Ion Ratio Lower Upper
56 100
69 31.3 24.1 36.1
84 93.0 66.9 100.3

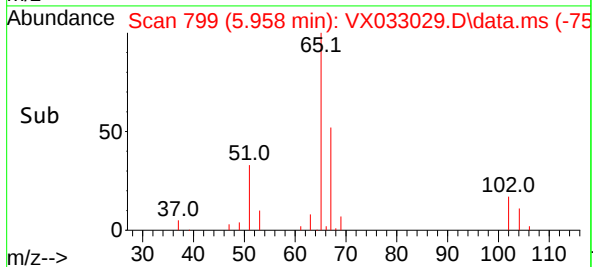
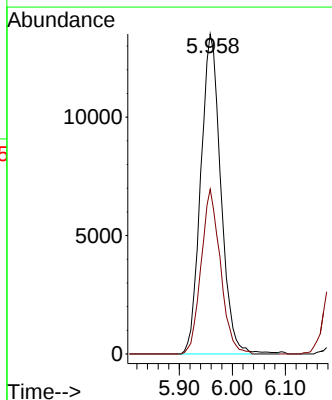
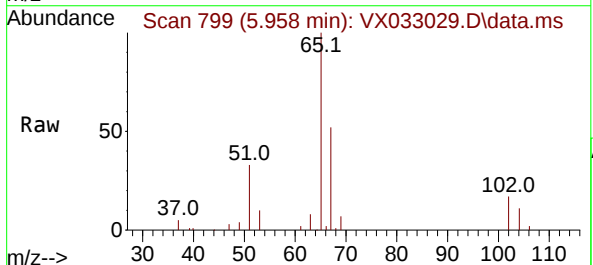
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#33
1,2-Dichloroethane-d4
Concen: 29.153 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

Tgt Ion: 65 Resp: 35458
Ion Ratio Lower Upper
65 100
67 49.5 0.0 101.8





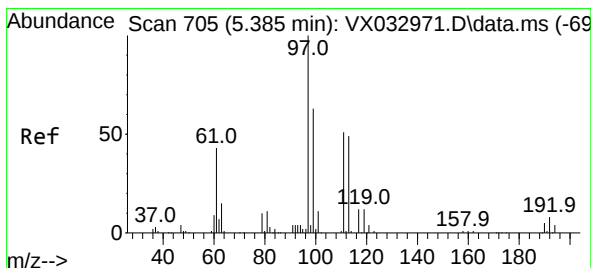
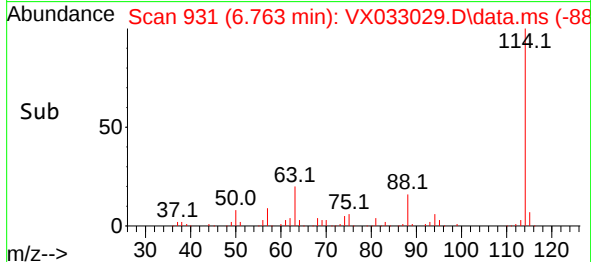
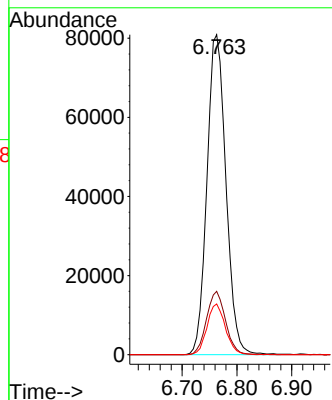
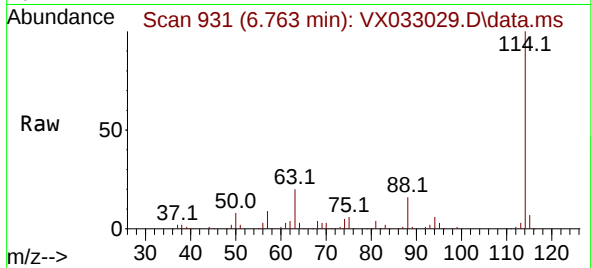
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

Instrument :
MSVOA_X
ClientSampleId :
MW-25

Tgt Ion:114 Resp: 19426
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.6
88 15.8 0.0 33.4

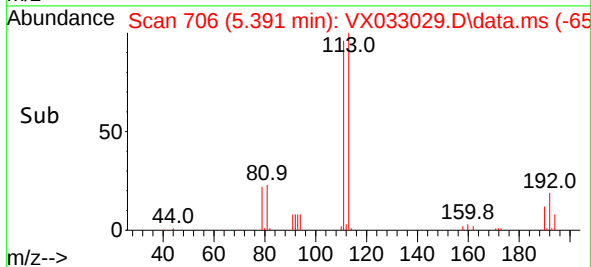
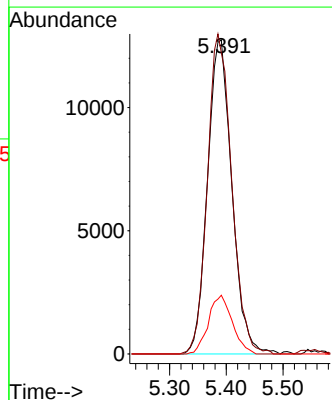
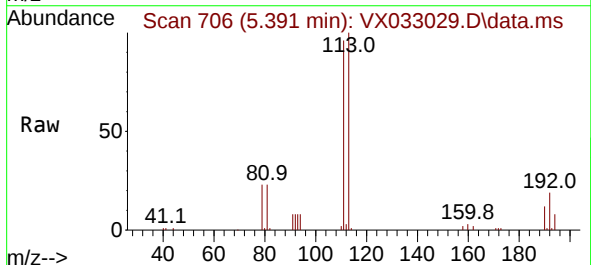
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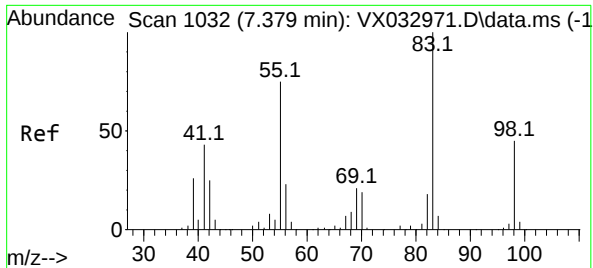
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#35
Dibromofluoromethane
Concen: 34.710 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

Tgt Ion:113 Resp: 38014
Ion Ratio Lower Upper
113 100
111 101.6 82.4 123.6
192 18.3 15.4 23.2





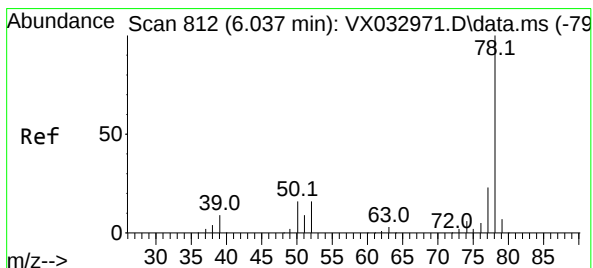
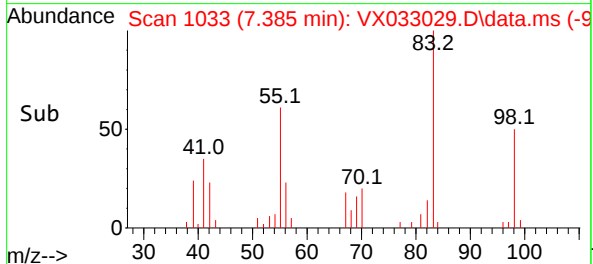
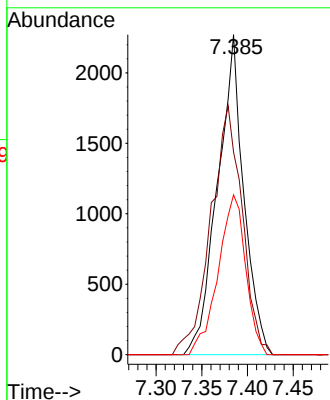
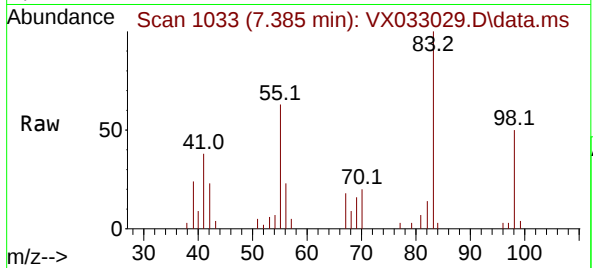
#39
Methylcyclohexane
Concen: 2.265 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

Instrument :
MSVOA_X
ClientSampleId :
MW-25

Tgt Ion: 83 Resp: 452
Ion Ratio Lower Upper
83 100
55 63.3 58.4 87.6
98 49.9 37.2 55.8

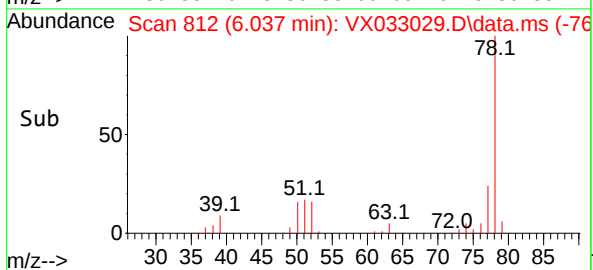
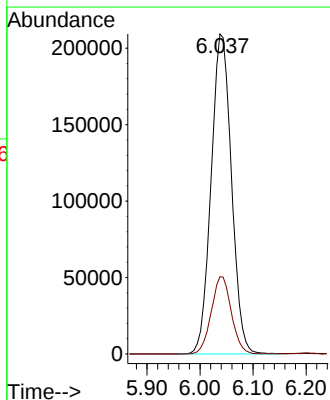
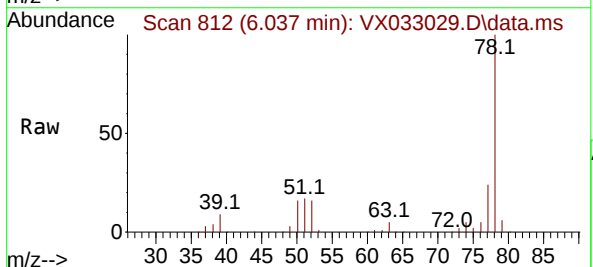
Manual Integrations
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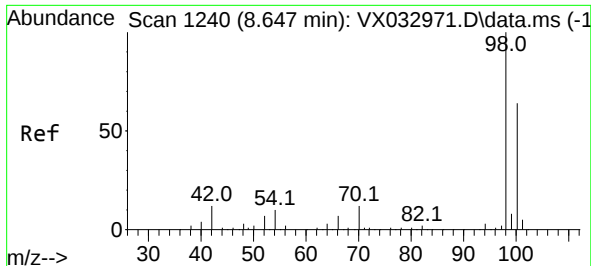
Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022



#40
Benzene
Concen: 113.589 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

Tgt Ion: 78 Resp: 557699
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.4





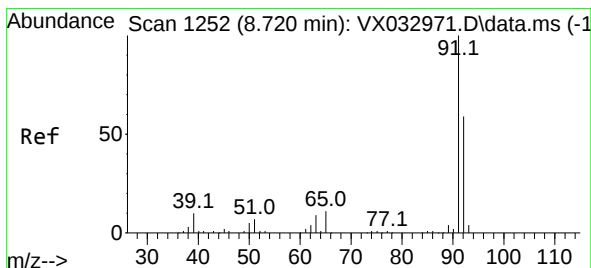
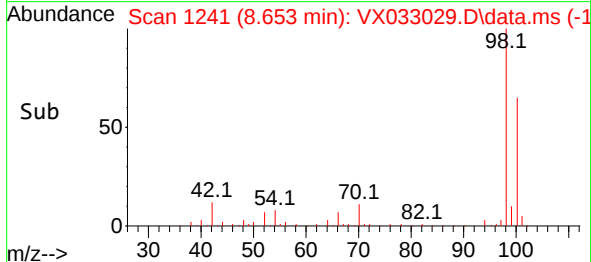
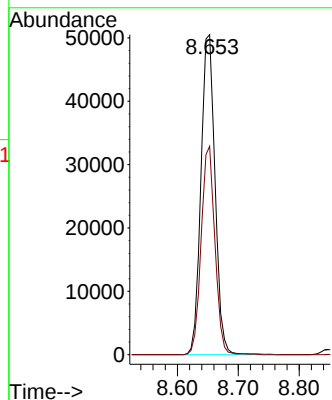
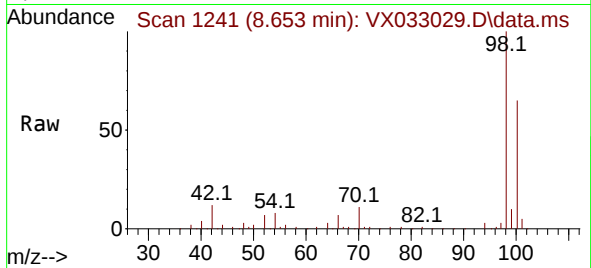
#50
Toluene-d8
Concen: 23.462 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

Instrument :
MSVOA_X
ClientSampleId :
MW-25

Tgt Ion: 98 Resp: 8108
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3

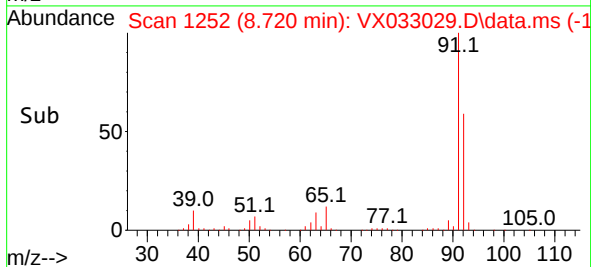
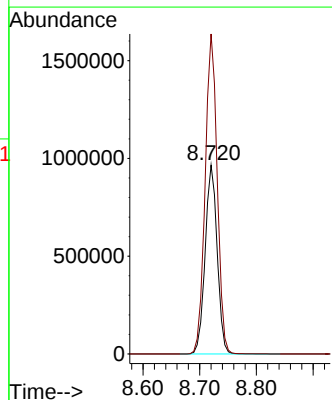
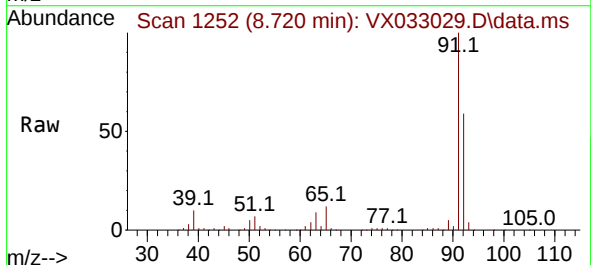
Manual Integrations
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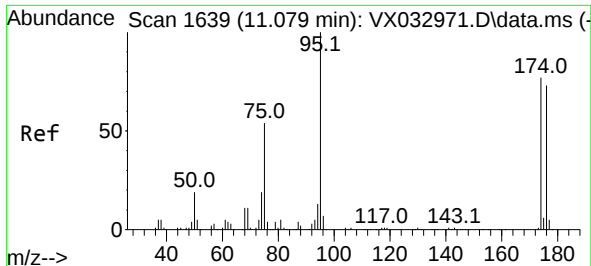
Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022



#52
Toluene
Concen: 440.000 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

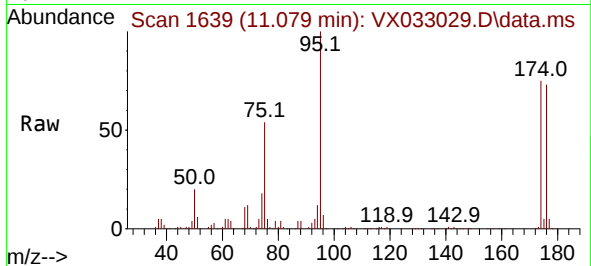
Tgt Ion: 92 Resp: 1421272
Ion Ratio Lower Upper
92 100
91 170.1 138.3 207.5





#62
4-Bromofluorobenzene
Concen: 58.425 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

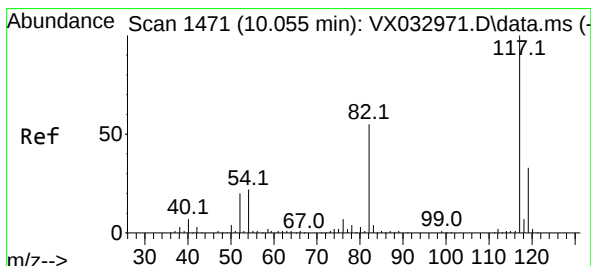
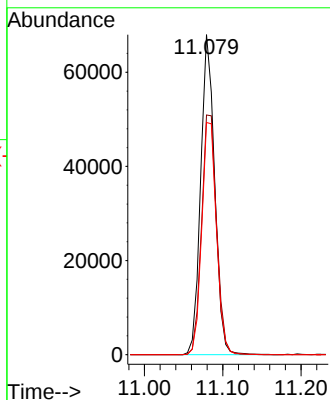
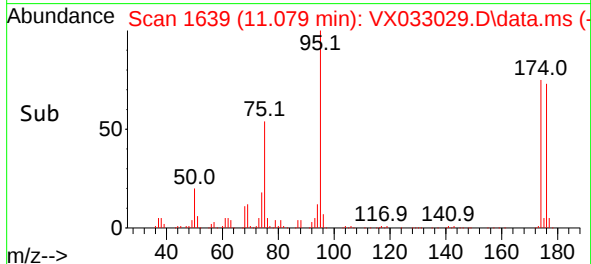
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ClientSampleId :
MW-25



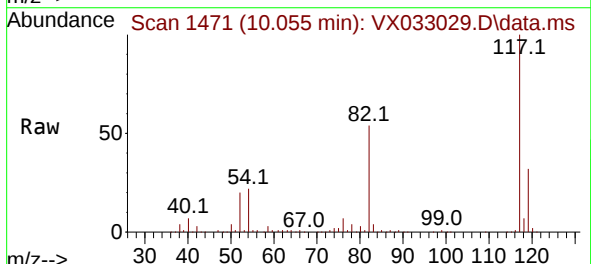
Tgt Ion: 95 Resp: 84052
Ion Ratio Lower Upper
95 100
174 80.9 0.0 164.0
176 76.6 0.0 154.4

Manual Integrations
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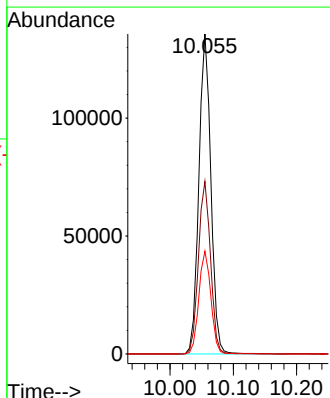
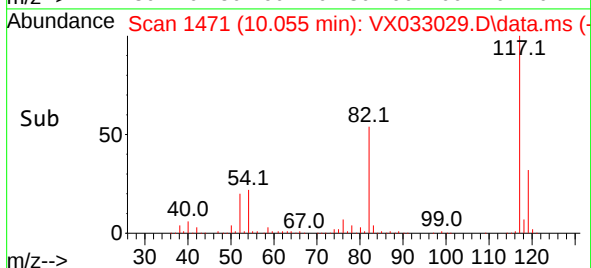
Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022

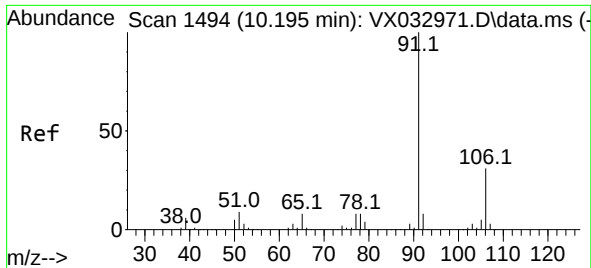


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53



Tgt Ion:117 Resp: 179130
Ion Ratio Lower Upper
117 100
82 53.9 44.3 66.5
119 32.1 25.7 38.5





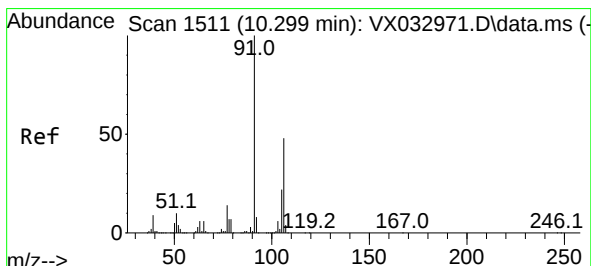
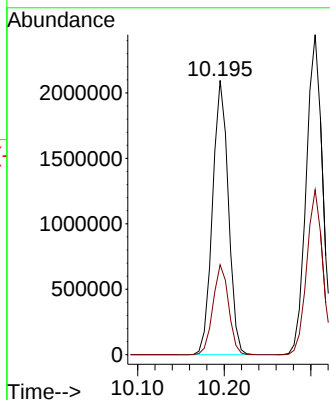
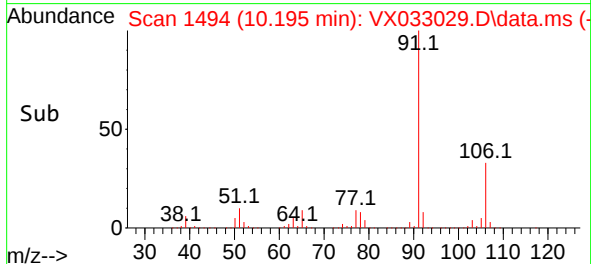
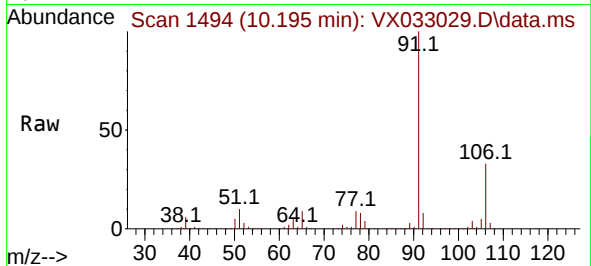
#67
Ethyl Benzene
Concen: 419.567 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

Instrument :
MSVOA_X
ClientSampleId :
MW-25

Tgt Ion: 91 Resp: 2658036
Ion Ratio Lower Upper
91 100
106 32.8 25.0 37.6

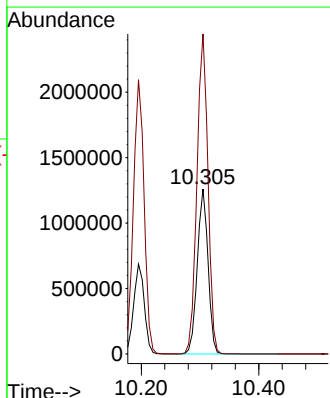
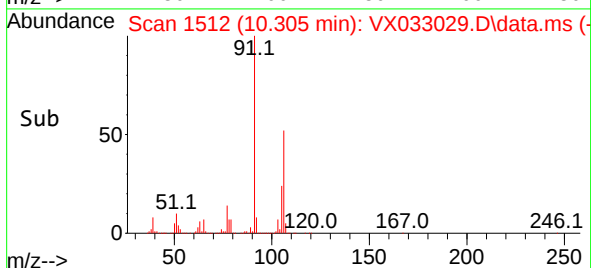
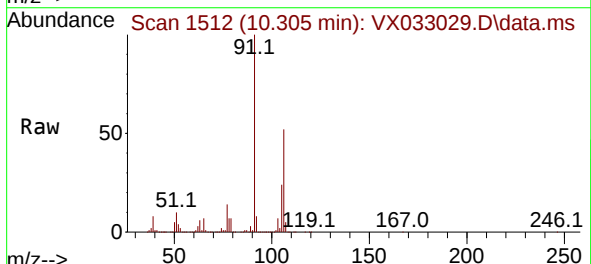
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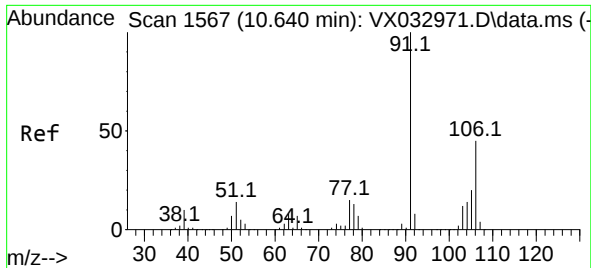
Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022



#68
m/p-Xylenes
Concen: 645.549 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

Tgt Ion:106 Resp: 1601471
Ion Ratio Lower Upper
106 100
91 199.0 164.5 246.7





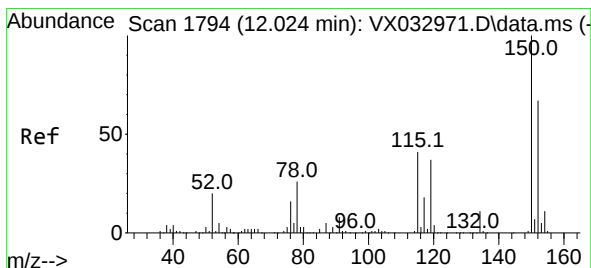
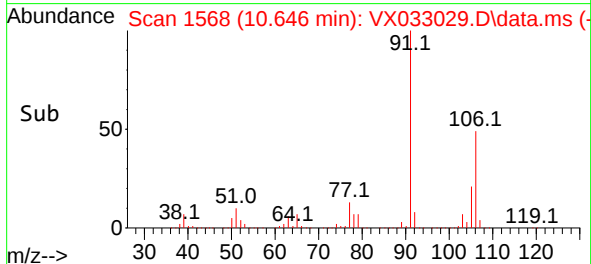
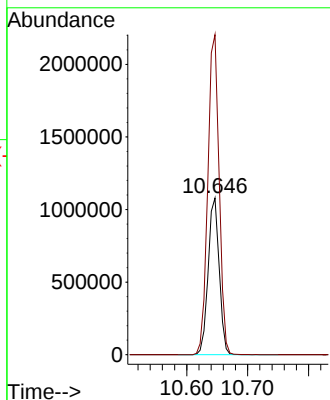
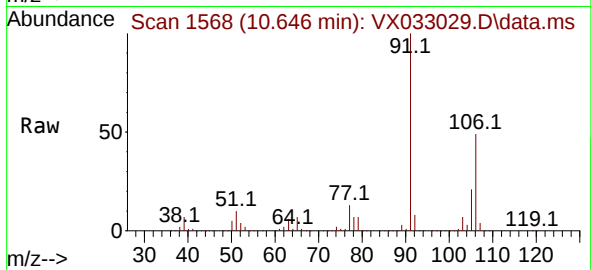
#69
o-Xylene
Concen: 567.452 ug/l
RT: 10.646 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

Instrument :
MSVOA_X
ClientSampleId :
MW-25

Tgt Ion:106 Resp: 1362080
Ion Ratio Lower Upper
106 100
91 209.4 109.2 327.6

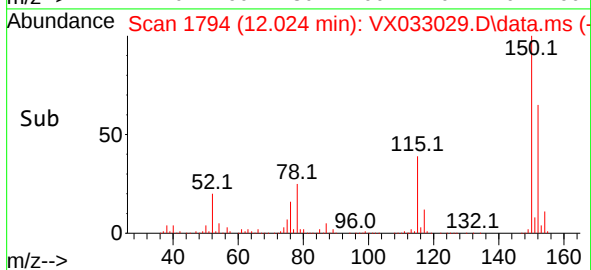
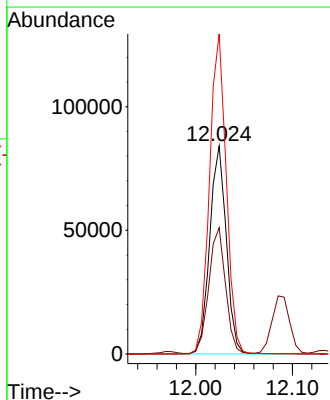
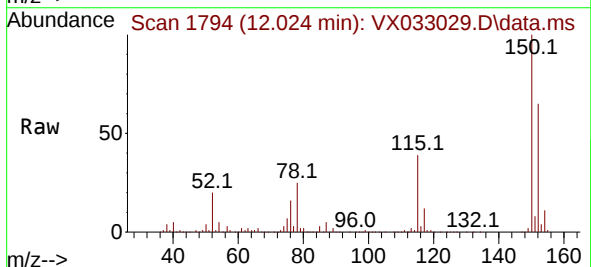
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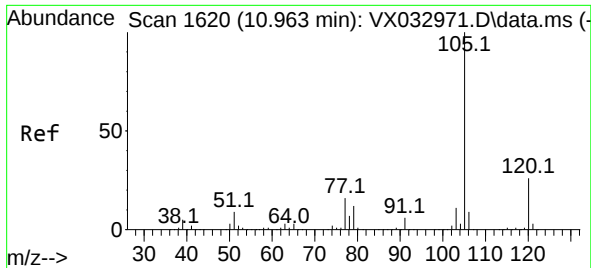
Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

Tgt Ion:152 Resp: 100321
Ion Ratio Lower Upper
152 100
115 60.9 44.0 132.0
150 155.3 0.0 351.8





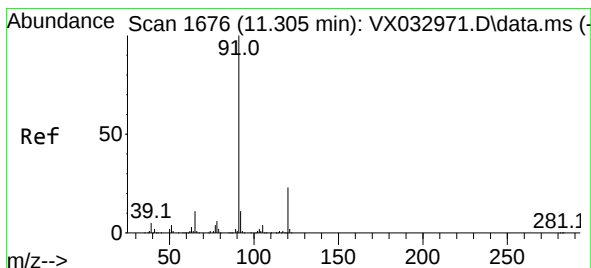
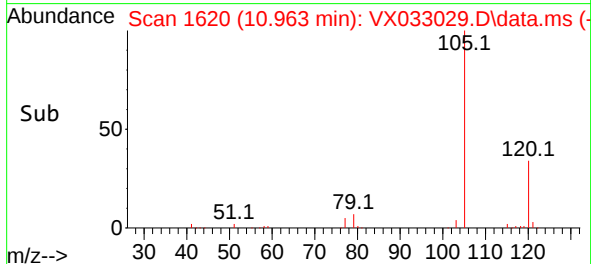
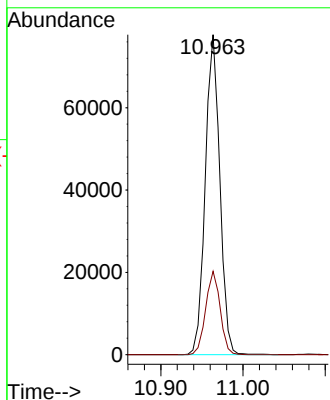
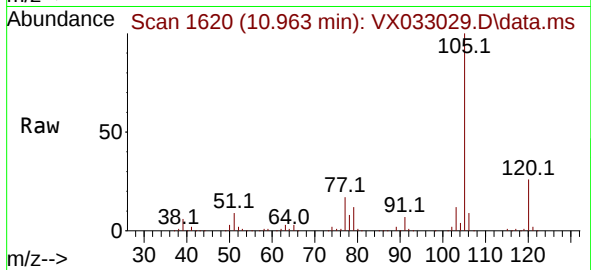
#73
Isopropylbenzene
Concen: 13.311 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

Instrument :
MSVOA_X
ClientSampleId :
MW-25

Tgt Ion:105 Resp: 95428
Ion Ratio Lower Upper
105 100
120 25.9 13.1 39.3

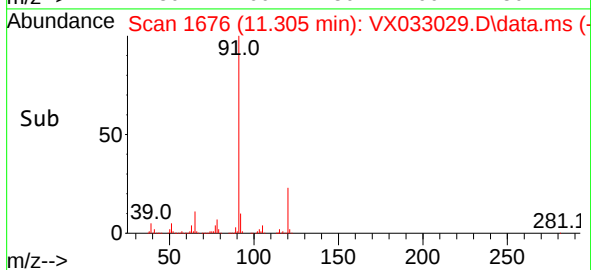
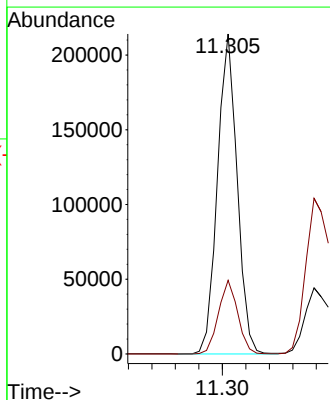
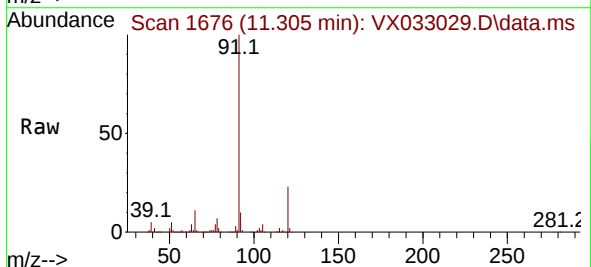
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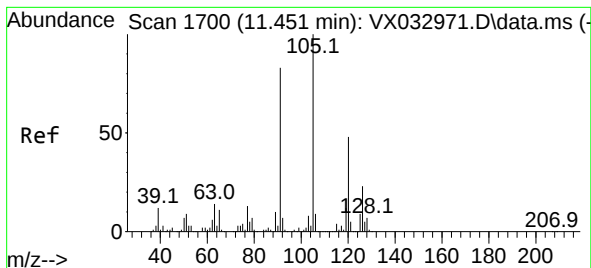
Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022



#78
n-propylbenzene
Concen: 30.373 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

Tgt Ion: 91 Resp: 248950
Ion Ratio Lower Upper
91 100
120 22.5 11.6 34.8





#80

1,3,5-Trimethylbenzene

Concen: 40.180 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033029.D

Acq: 23 Nov 2022 18:53

Instrument :

MSVOA_X

ClientSampleId :

MW-25

Tgt Ion:105 Resp: 241979

Ion Ratio Lower Upper

105 100

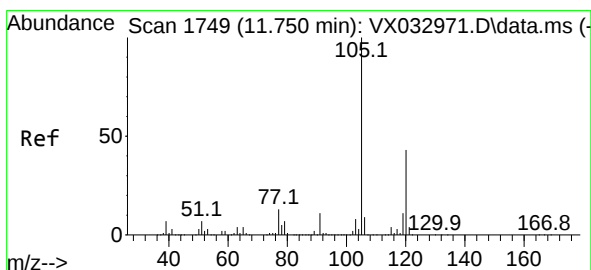
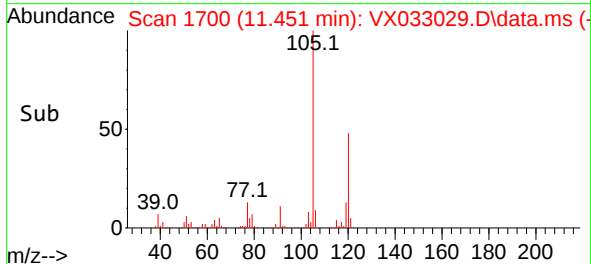
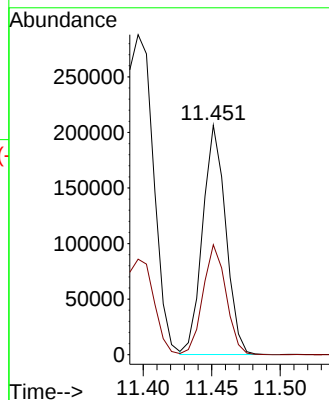
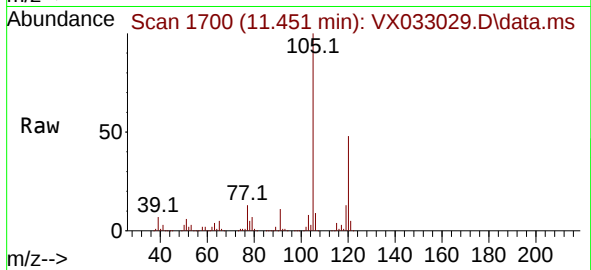
120 47.7 23.6 71.0

Manual Integrations

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Reviewed By :John Carlone 11/25/2022

Supervised By :Mahesh Dadoda 11/28/2022



#84

1,2,4-Trimethylbenzene

Concen: 304.171 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX033029.D

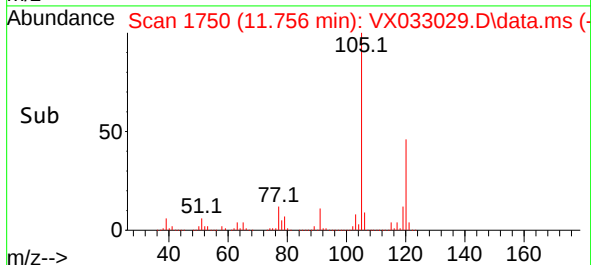
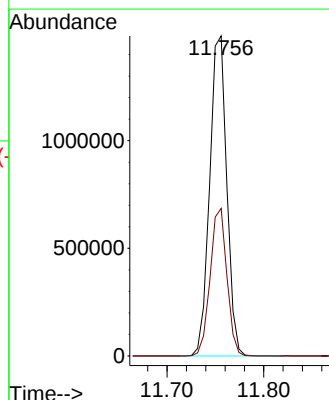
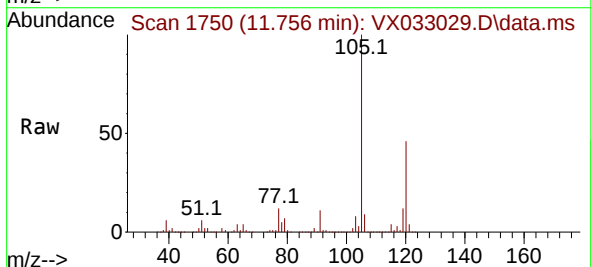
Acq: 23 Nov 2022 18:53

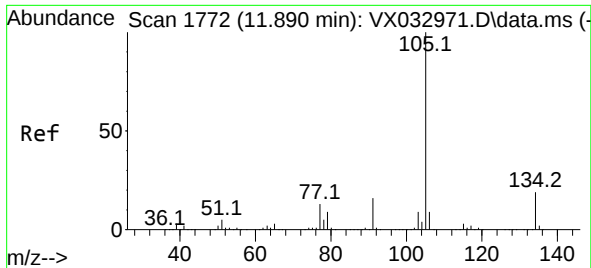
Tgt Ion:105 Resp: 1826535

Ion Ratio Lower Upper

105 100

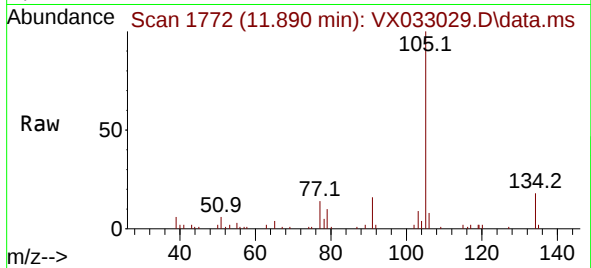
120 45.2 21.9 65.5





#85
 sec-Butylbenzene
 Concen: 1.235 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX033029.D
 Acq: 23 Nov 2022 18:53

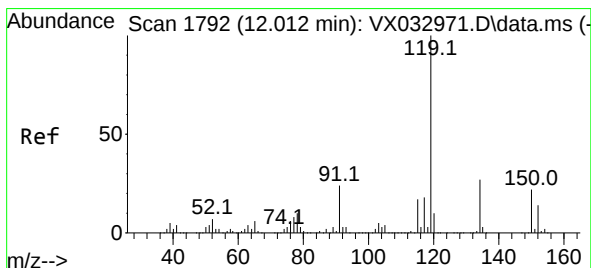
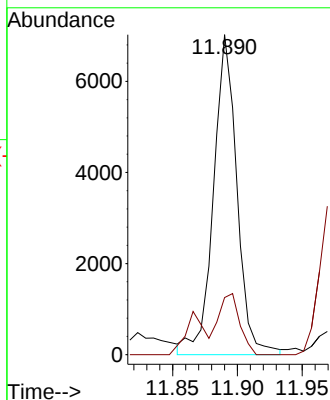
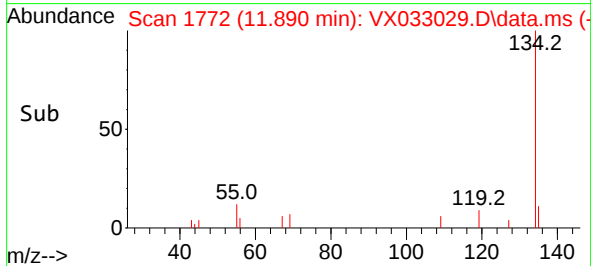
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-25



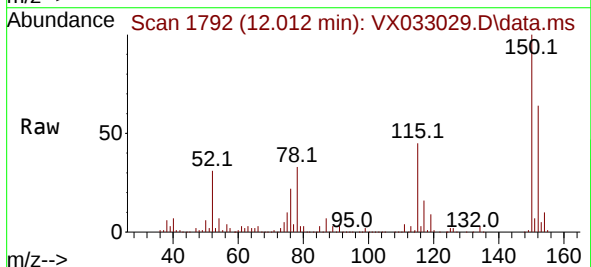
Tgt Ion:105 Resp: 8850
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7#

Manual Integrations
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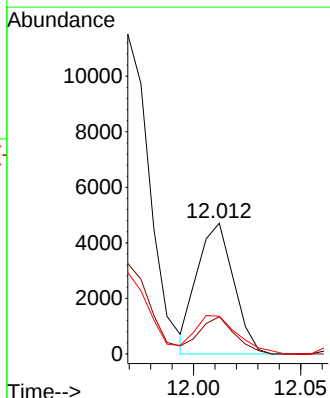
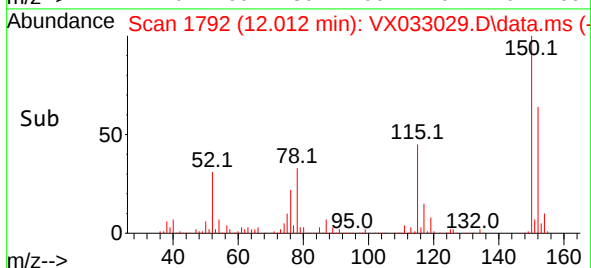
Reviewed By :John Carlone 11/25/2022
 Supervised By :Mahesh Dadoda 11/28/2022

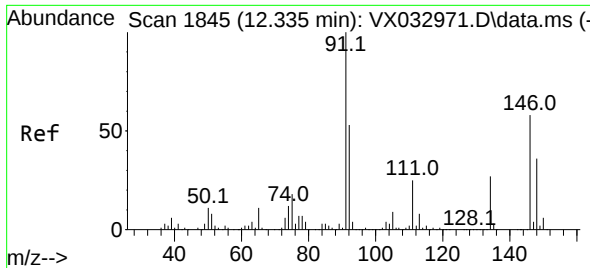


#86
 p-Isopropyltoluene
 Concen: 0.918 ug/l m
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX033029.D
 Acq: 23 Nov 2022 18:53



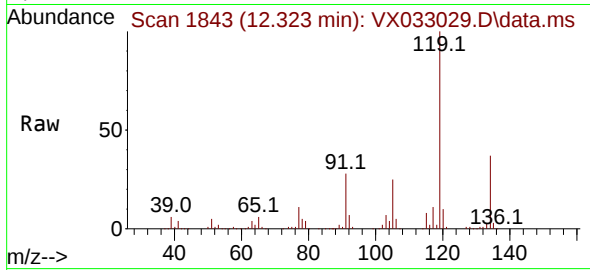
Tgt Ion:119 Resp: 5581
 Ion Ratio Lower Upper
 119 100
 134 69.0 12.9 38.7#
 91 0.0 12.5 37.5#





#89
n-Butylbenzene
Concen: 5.052 ug/l
RT: 12.323 min Scan# 1845
Delta R.T. -0.012 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

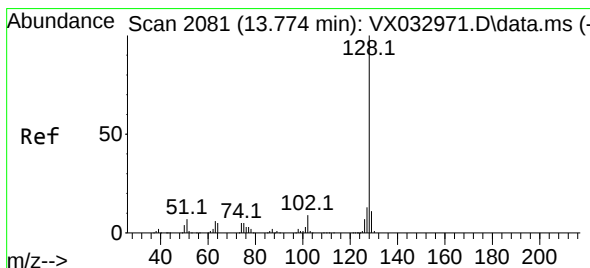
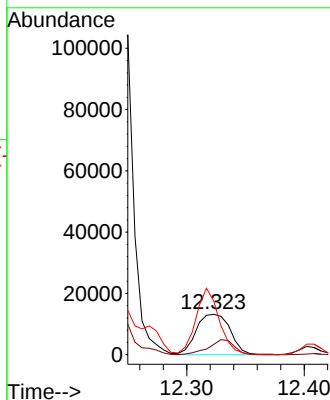
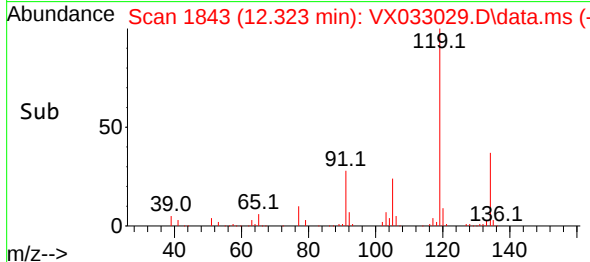
Instrument :
MSVOA_X
ClientSampleId :
MW-25



Tgt Ion: 91 Resp: 26440
Ion Ratio Lower Upper
91 100
92 27.9 26.2 78.6
134 112.7 12.9 38.6

Manual Integrations
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Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022



#95
Naphthalene
Concen: 354.994 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX033029.D
Acq: 23 Nov 2022 18:53

Tgt Ion:128 Resp: 2277271
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 11.3 8.9 13.3

