

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081123\
 Data File : VX036943.D
 Acq On : 11 Aug 2023 16:03
 Operator : JC/MD
 Sample : 03944-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-S-20230808

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/14/2023
 Supervised By : Mahesh Dadoda 08/15/2023

Quant Time: Aug 11 23:00:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	129260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	240492	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91535	47.859	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.720%		
35) Dibromofluoromethane	5.391	113	76383	46.209	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.420%		
50) Toluene-d8	8.647	98	288638	49.239	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.480%		
62) 4-Bromofluorobenzene	11.079	95	114831	51.922	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.840%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.965	59	3654	8.070	ug/l #	91
16) Acetone	2.380	43	68329	86.094	ug/l	93
20) Methylene Chloride	2.788	84	7073	4.007	ug/l #	84
25) 2-Butanone	4.568	43	31315	24.319	ug/l #	90
37) Ethyl Acetate	4.721	43	29189	10.467	ug/l #	95
40) Benzene	6.044	78	7721	1.077	ug/l	95
43) Isopropyl Acetate	6.342	43	110083	22.933	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	78830m	29.675	ug/l	
67) Ethyl Benzene	10.195	91	112060	12.013	ug/l	100
68) m/p-Xylenes	10.299	106	20107	5.777	ug/l	97
69) o-Xylene	10.640	106	18135	5.220	ug/l	95
73) Isopropylbenzene	10.963	105	11599	1.316	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	31049	4.212	ug/l	98
95) Naphthalene	13.774	128	1873168	243.290	ug/l	99

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

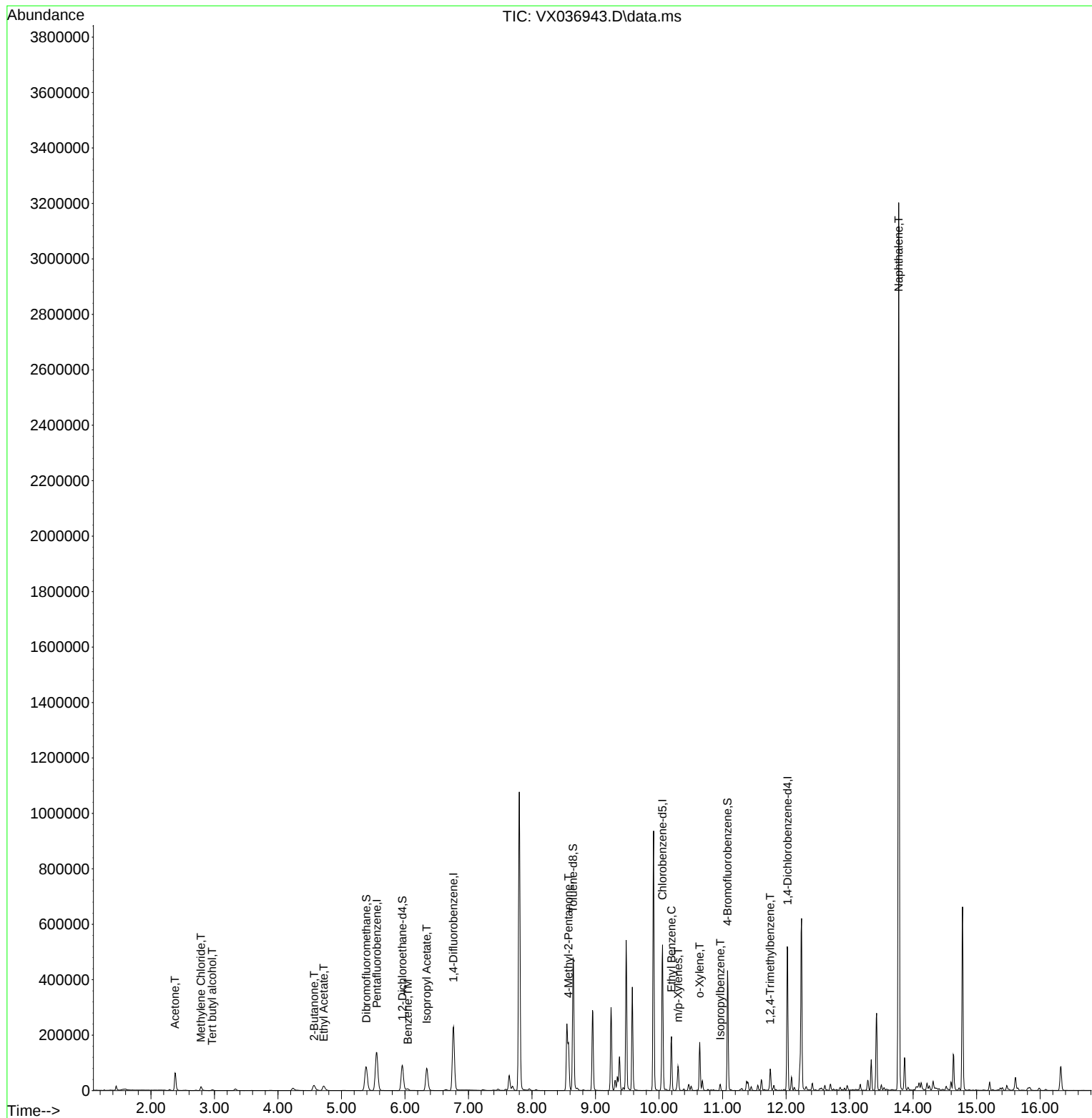
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081123\
Data File : VX036943.D
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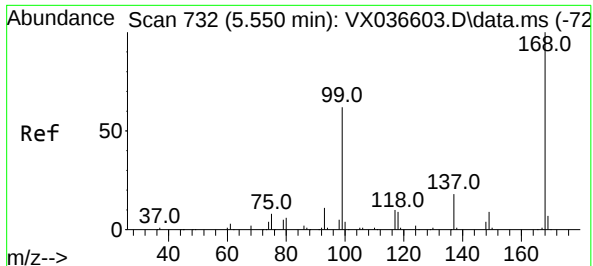
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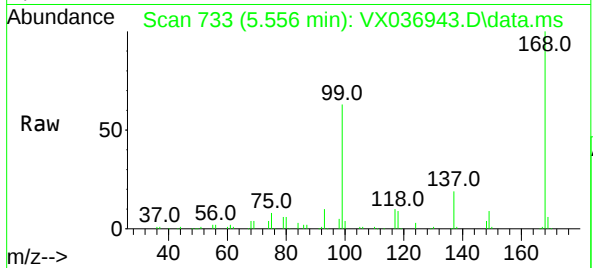
Quant Time: Aug 11 23:00:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03

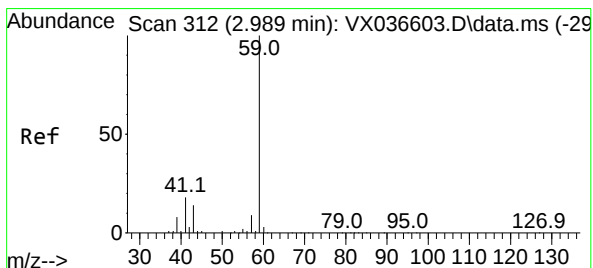
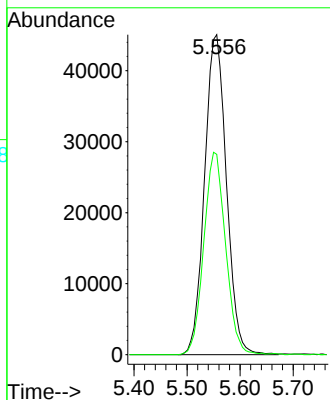
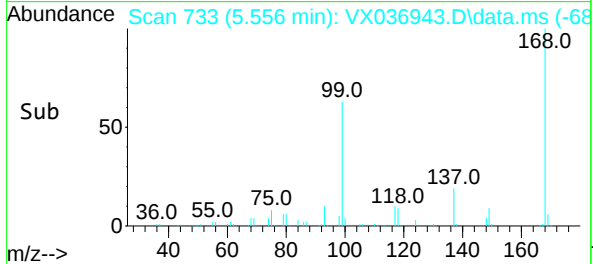
Instrument :
MSVOA_X
ClientSampleId :
IDW-S-20230808



Tgt Ion:168 Resp: 129260
Ion Ratio Lower Upper
168 100
99 62.6 56.6 85.0

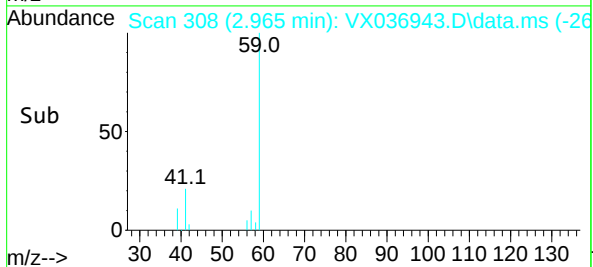
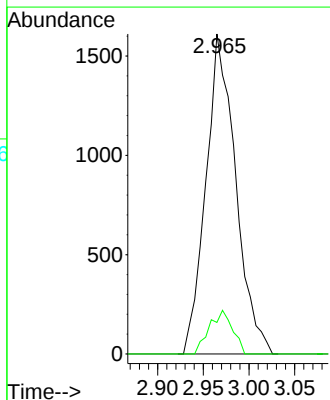
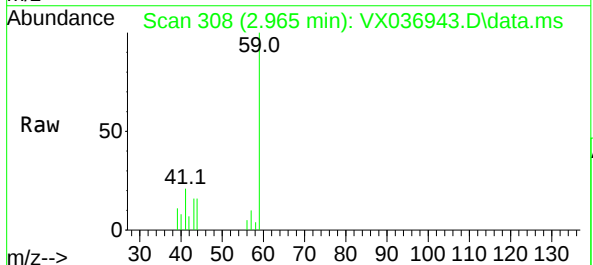
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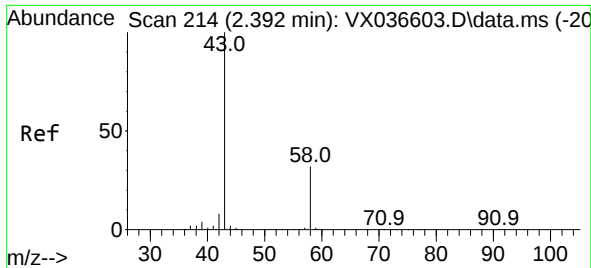
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#11
Tert butyl alcohol
Concen: 8.070 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.024 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03

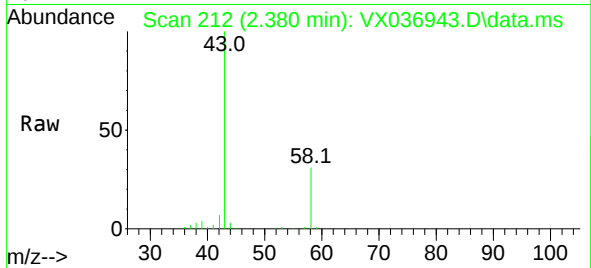
Tgt Ion: 59 Resp: 3654
Ion Ratio Lower Upper
59 100
57 10.6 6.0 9.0#





#16
Acetone
Concen: 86.094 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03

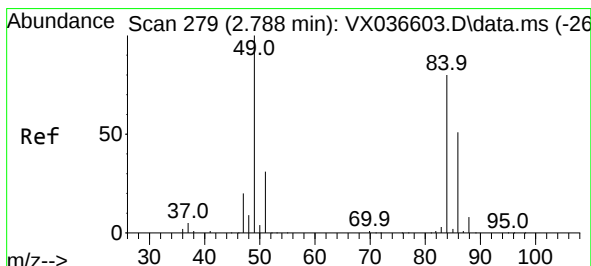
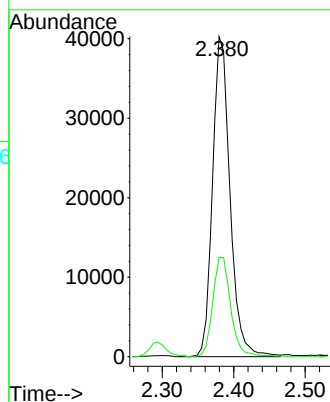
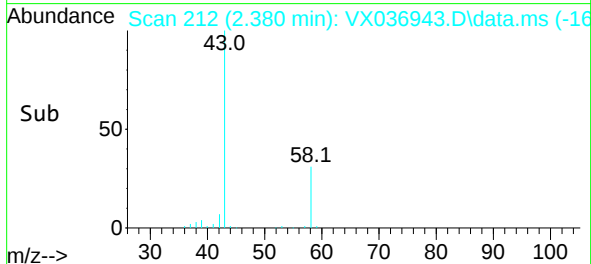
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IDW-S-20230808



Tgt Ion: 43 Resp: 68329
Ion Ratio Lower Upper
43 100
58 30.8 21.9 32.9

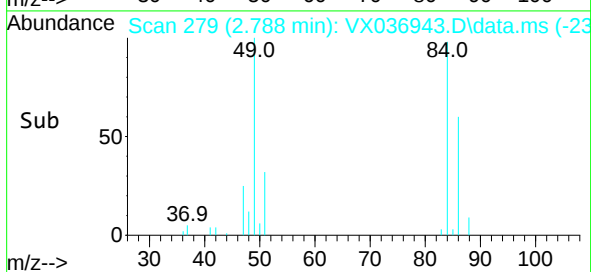
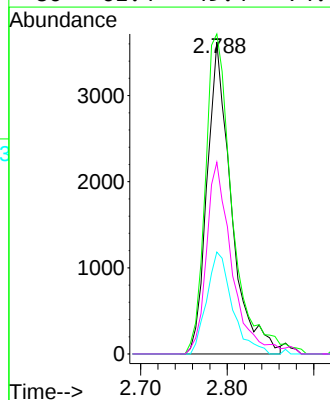
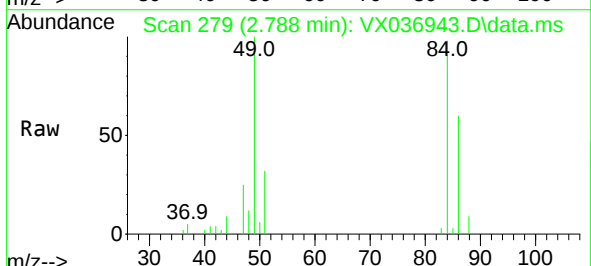
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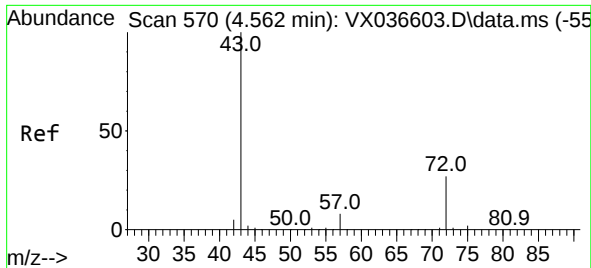
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#20
Methylene Chloride
Concen: 4.007 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03

Tgt Ion: 84 Resp: 7073
Ion Ratio Lower Upper
84 100
49 102.5 103.6 155.4#
51 32.7 33.8 50.6#
86 61.4 49.4 74.0





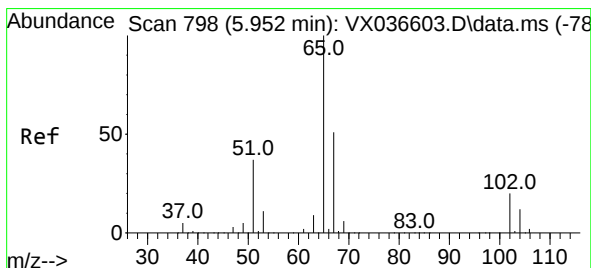
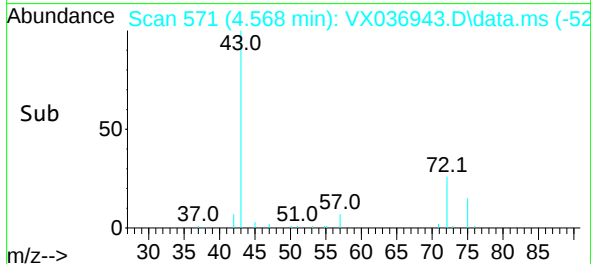
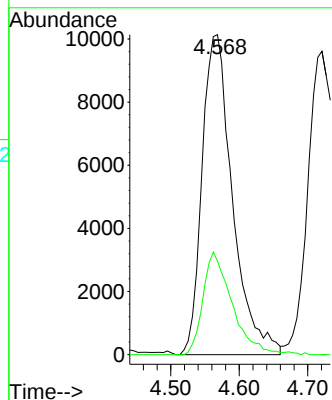
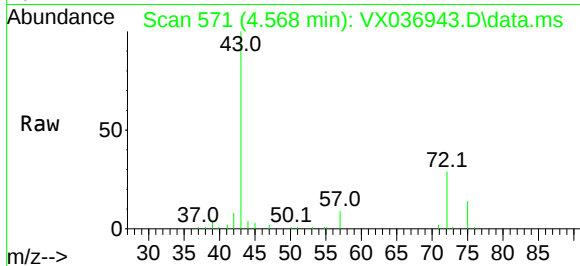
#25
2-Butanone
Concen: 24.319 ug/l
RT: 4.568 min Scan# 511
Delta R.T. 0.006 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03

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MSVOA_X
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IDW-S-20230808

Tgt Ion: 43 Resp: 3131
Ion Ratio Lower Upper
43 100
72 29.3 19.4 29.2

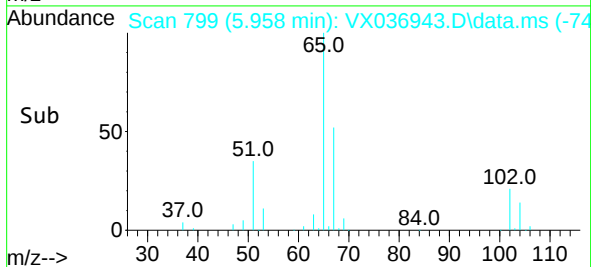
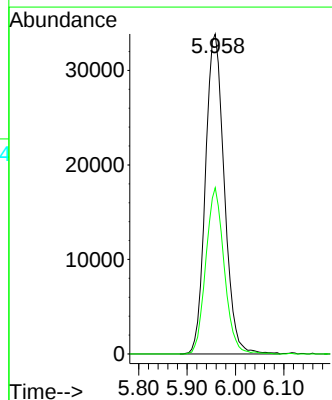
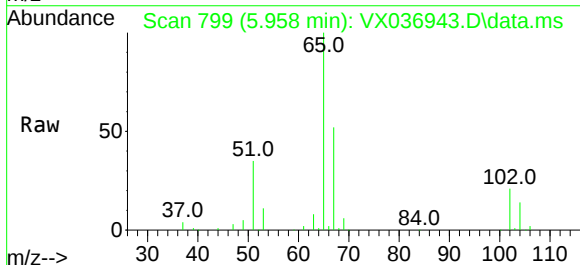
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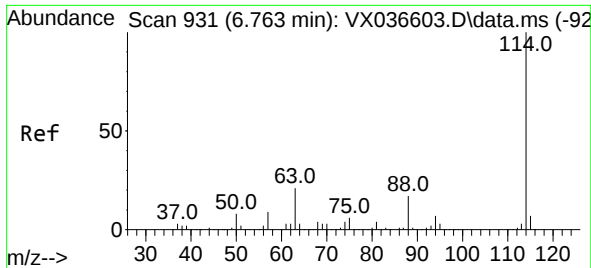
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#33
1,2-Dichloroethane-d4
Concen: 47.859 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03

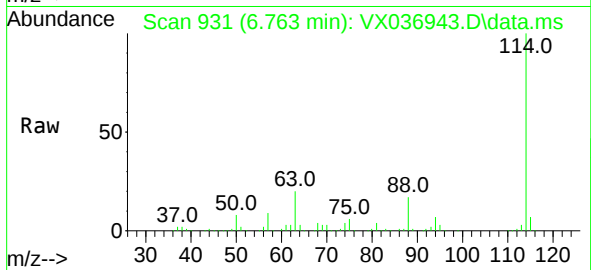
Tgt Ion: 65 Resp: 91535
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.2





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03

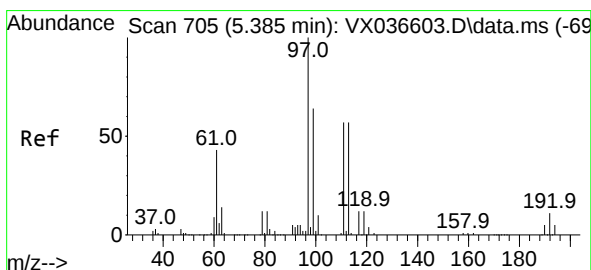
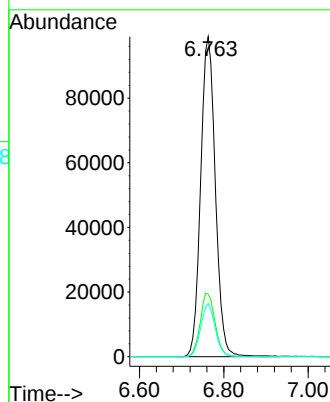
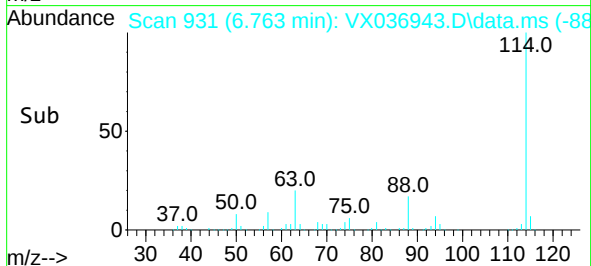
Instrument :
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ClientSampleId :
IDW-S-20230808



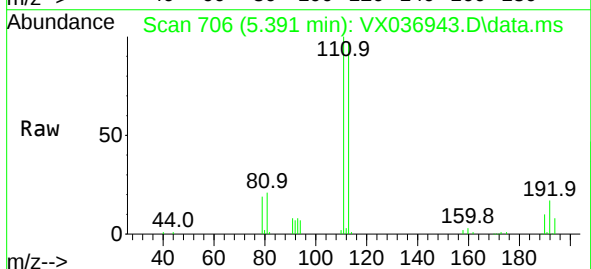
Tgt Ion:114 Resp: 240492
Ion Ratio Lower Upper
114 100
63 19.6 0.0 45.0
88 16.6 0.0 36.6

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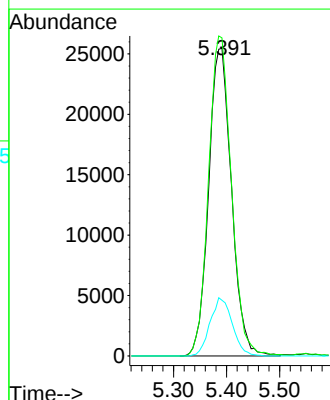
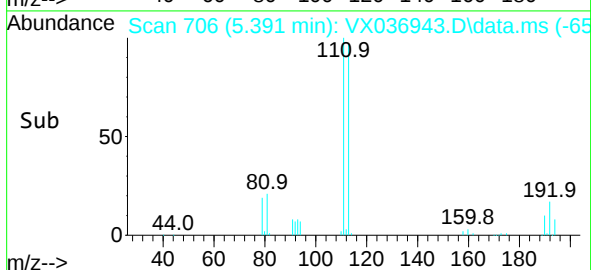
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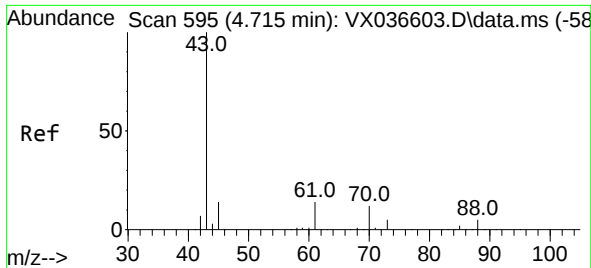


#35
Dibromofluoromethane
Concen: 46.209 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03



Tgt Ion:113 Resp: 76383
Ion Ratio Lower Upper
113 100
111 103.6 82.9 124.3
192 18.3 13.3 19.9





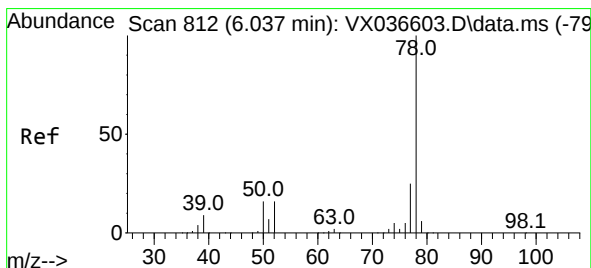
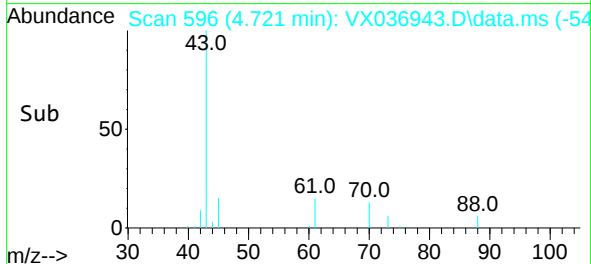
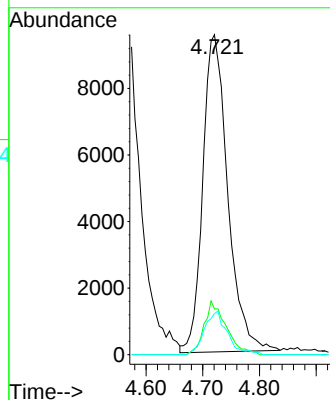
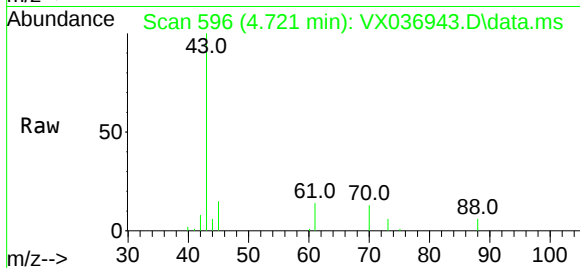
#37
Ethyl Acetate
Concen: 10.467 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03

Instrument :
MSVOA_X
ClientSampleId :
IDW-S-20230808

Tgt Ion: 43 Resp: 29189
Ion Ratio Lower Upper
43 100
61 14.9 10.6 16.0
70 12.6 8.3 12.5

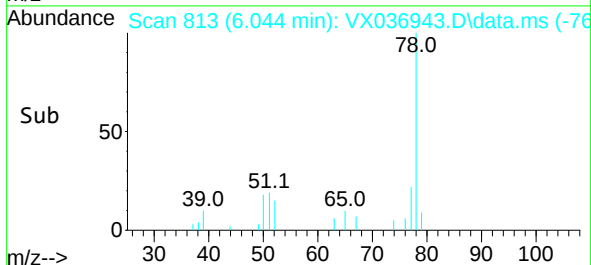
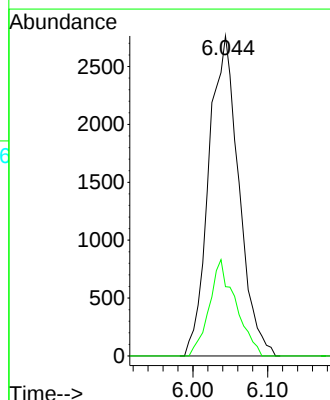
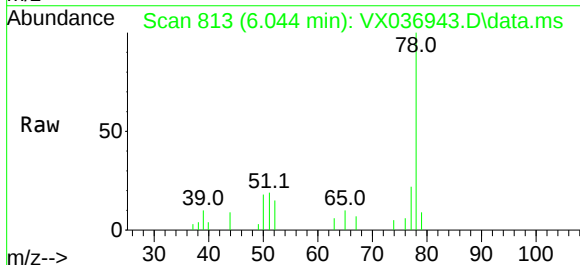
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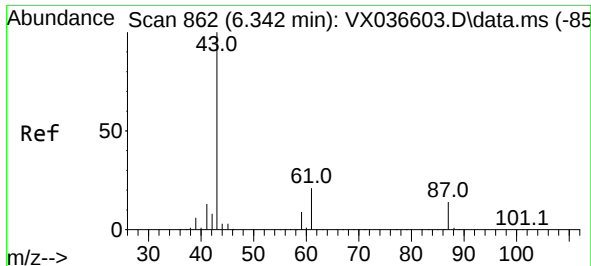
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#40
Benzene
Concen: 1.077 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03

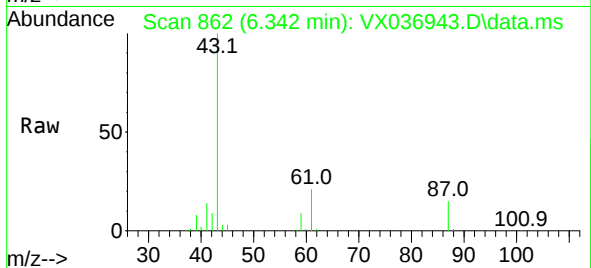
Tgt Ion: 78 Resp: 7721
Ion Ratio Lower Upper
78 100
77 21.7 19.3 28.9





#43
Isopropyl Acetate
Concen: 22.933 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03

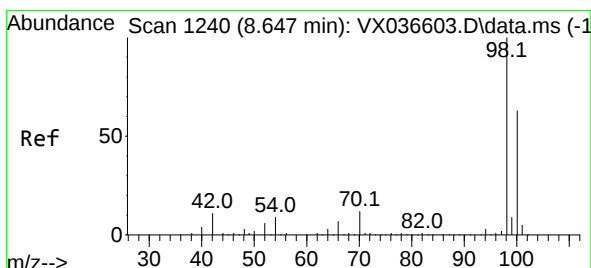
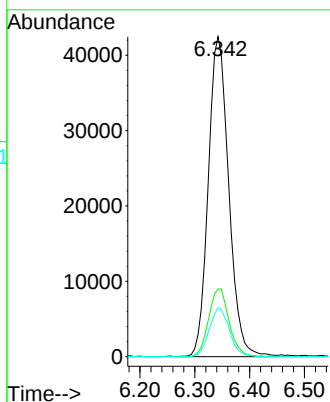
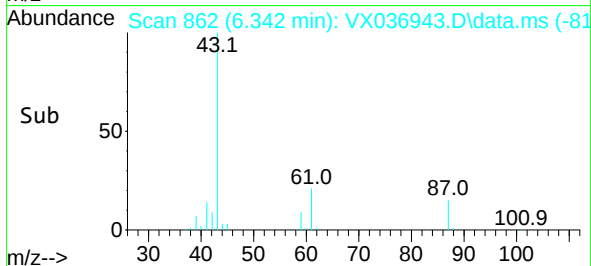
Instrument :
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Tgt Ion: 43 Resp: 110083
Ion Ratio Lower Upper
43 100
61 21.2 15.2 22.8
87 15.0 9.8 14.6

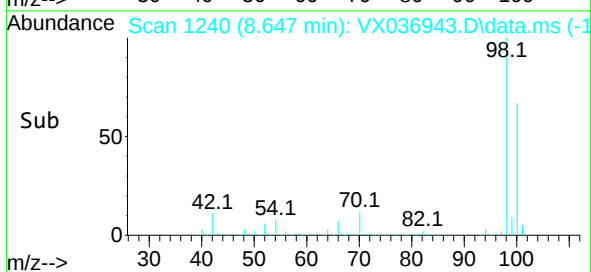
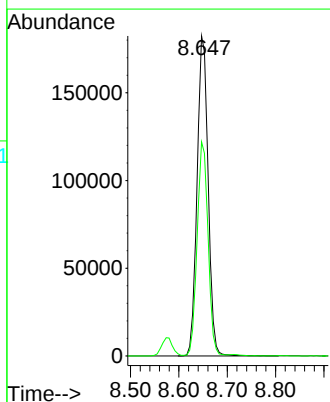
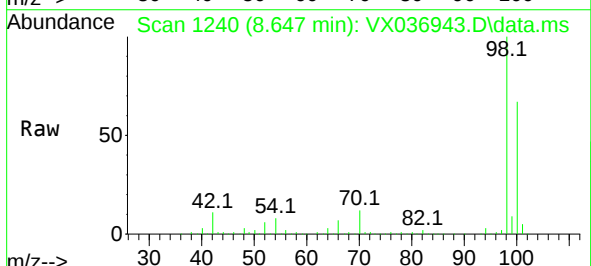
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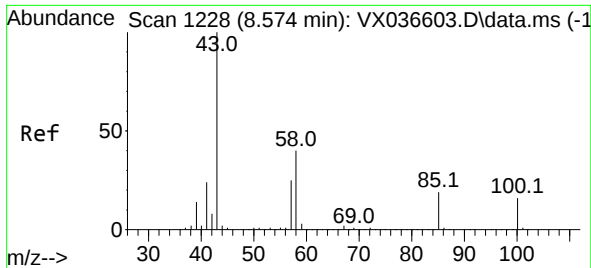
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#50
Toluene-d8
Concen: 49.239 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03

Tgt Ion: 98 Resp: 288638
Ion Ratio Lower Upper
98 100
100 65.5 53.1 79.7





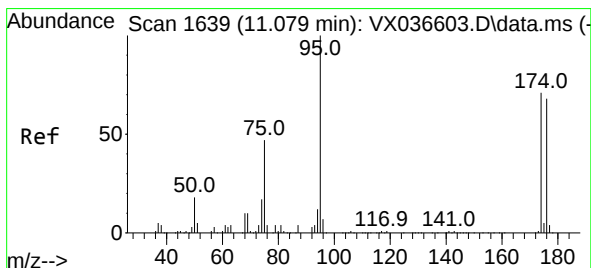
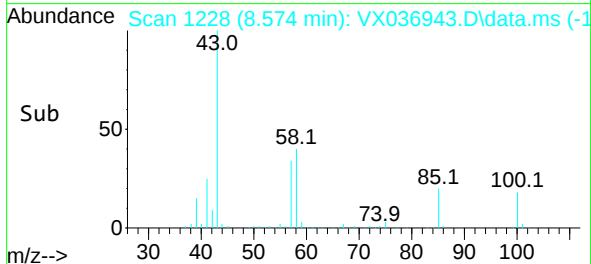
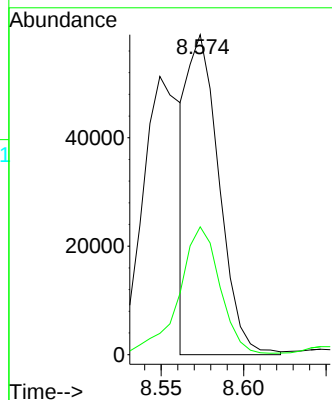
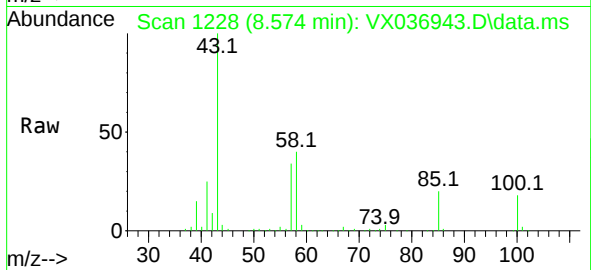
#51
4-Methyl-2-Pentanone
Concen: 29.675 ug/l m
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03

Instrument :
MSVOA_X
ClientSampleId :
IDW-S-20230808

Tgt Ion: 43 Resp: 78830
Ion Ratio Lower Upper
43 100
58 52.5 30.4 45.6

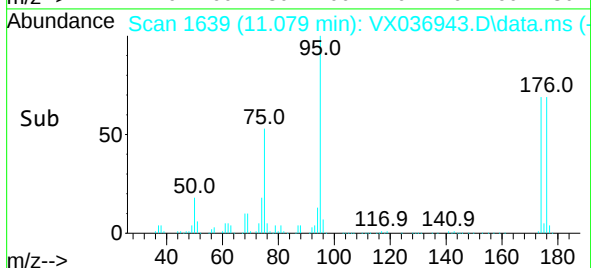
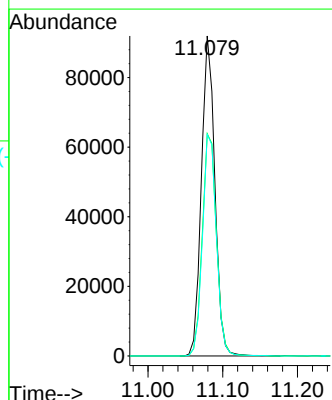
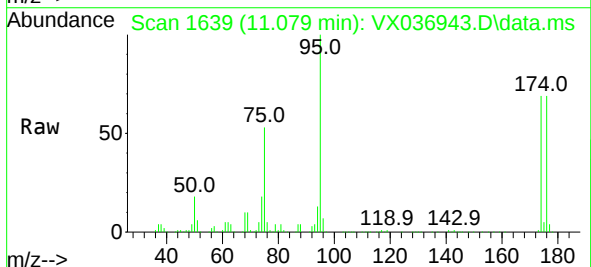
Manual Integrations
APPROVED

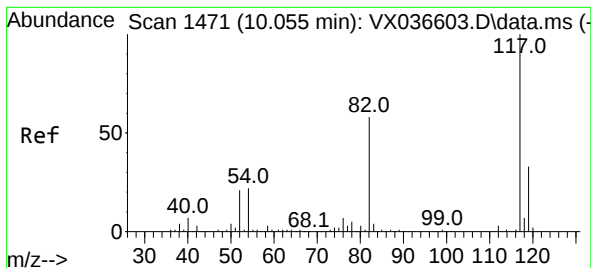
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#62
4-Bromofluorobenzene
Concen: 51.922 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03

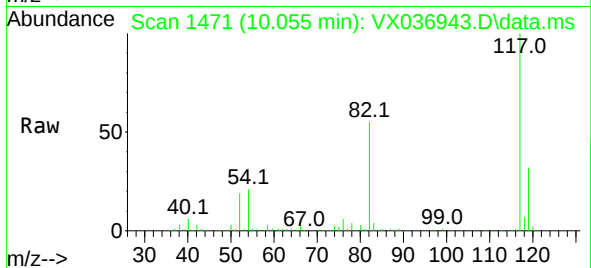
Tgt Ion: 95 Resp: 114831
Ion Ratio Lower Upper
95 100
174 72.8 0.0 135.6
176 71.6 0.0 131.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03

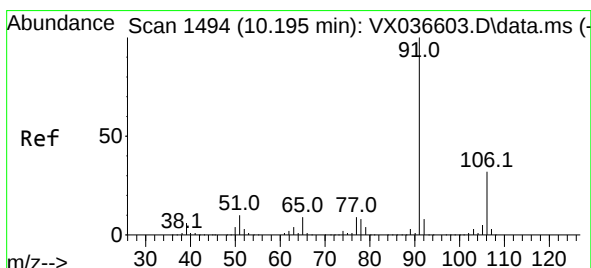
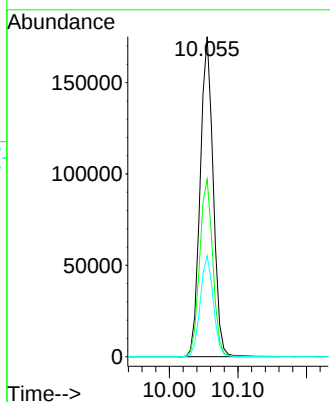
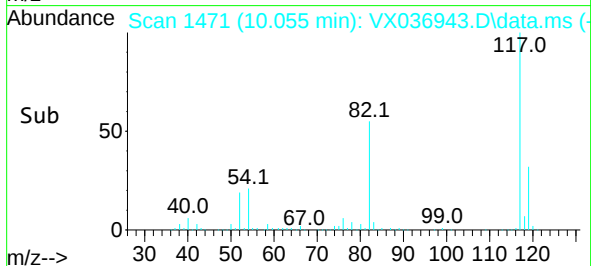
Instrument :
MSVOA_X
ClientSampleId :
IDW-S-20230808



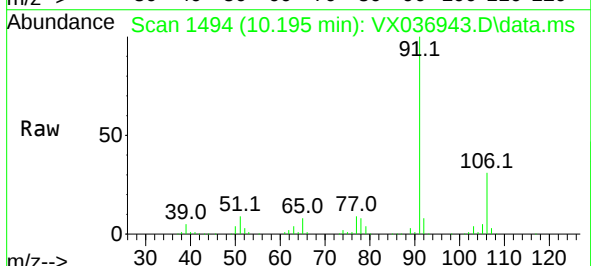
Tgt Ion:117 Resp: 23166
Ion Ratio Lower Upper
117 100
82 55.4 46.2 69.4
119 31.6 25.5 38.3

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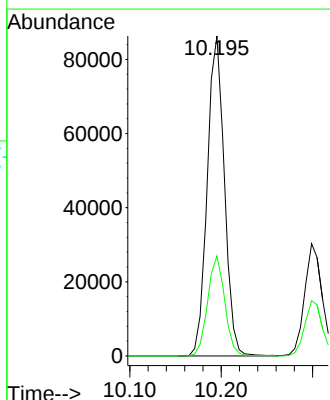
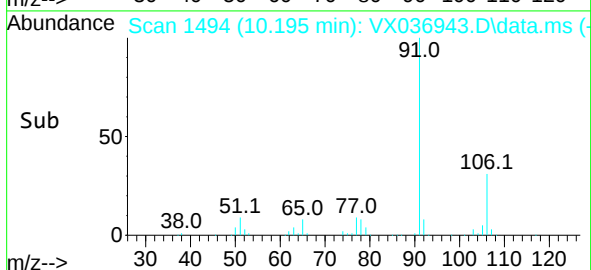
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

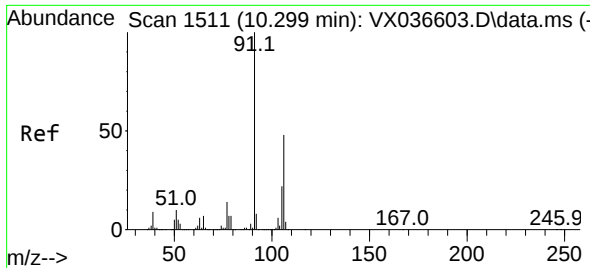


#67
Ethyl Benzene
Concen: 12.013 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03



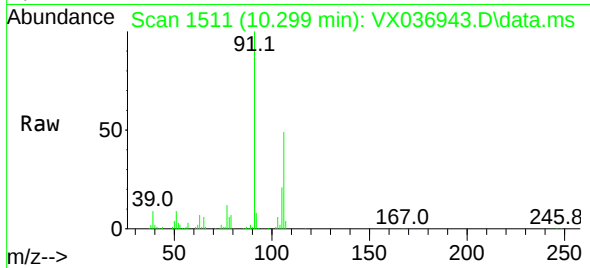
Tgt Ion: 91 Resp: 112060
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3





#68
m/p-Xylenes
Concen: 5.777 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03

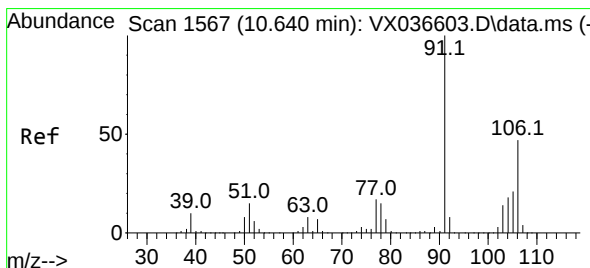
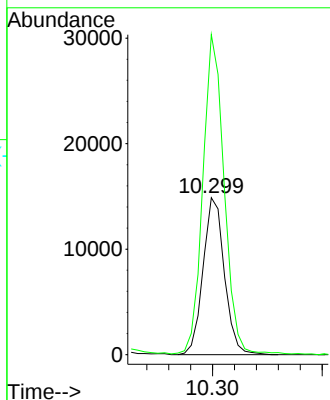
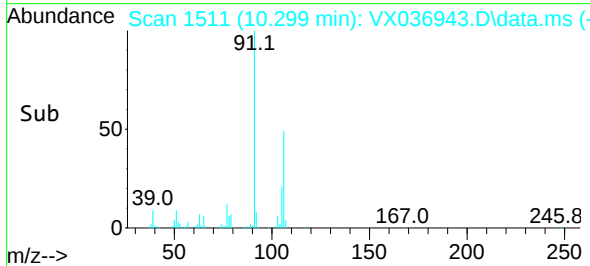
Instrument :
MSVOA_X
ClientSampleId :
IDW-S-20230808



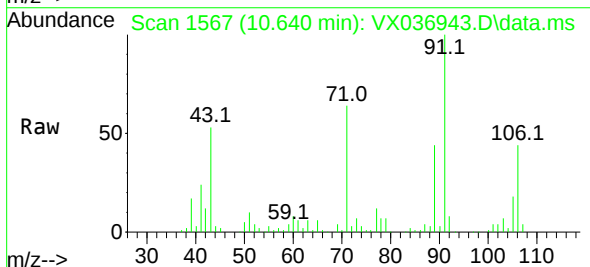
Tgt Ion:106 Resp: 2010
Ion Ratio Lower Upper
106 100
91 202.1 165.5 248.3

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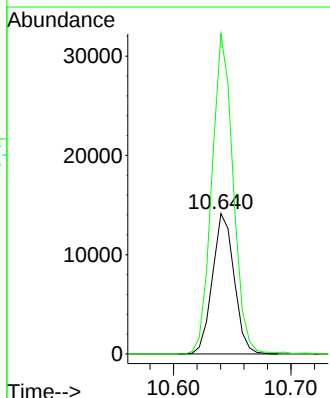
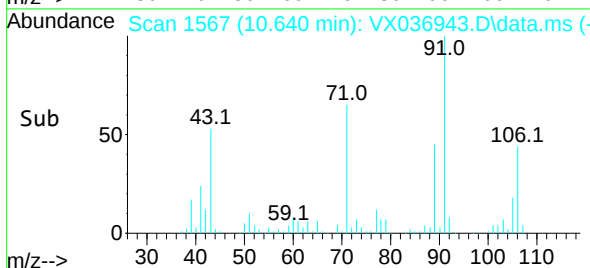
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

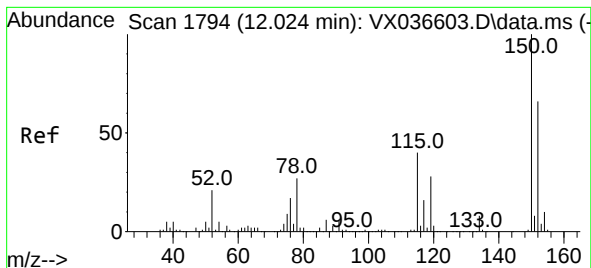


#69
o-Xylene
Concen: 5.220 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03



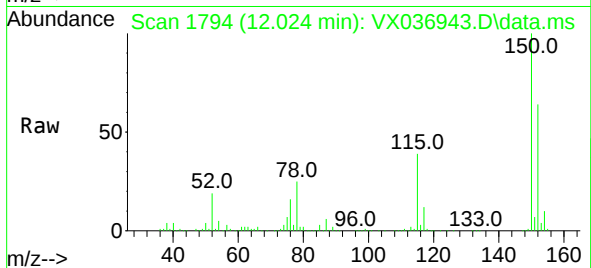
Tgt Ion:106 Resp: 18135
Ion Ratio Lower Upper
106 100
91 225.3 108.9 326.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03

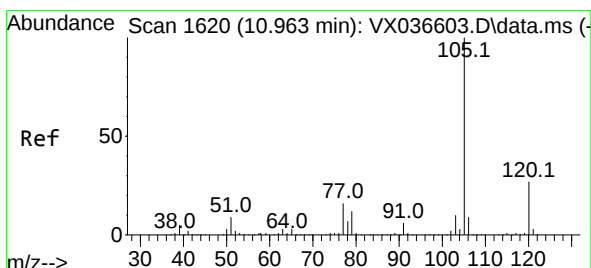
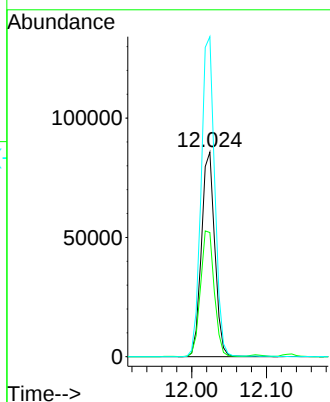
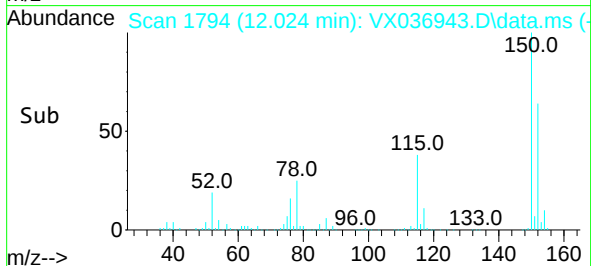
Instrument :
MSVOA_X
ClientSampleId :
IDW-S-20230808



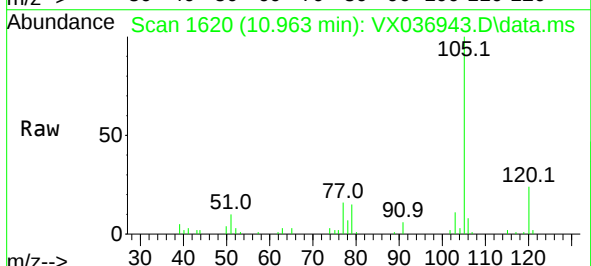
Tgt Ion:152 Resp: 10646
Ion Ratio Lower Upper
152 100
115 63.3 43.3 129.9
150 159.2 0.0 345.0

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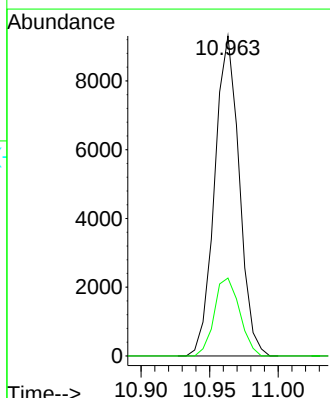
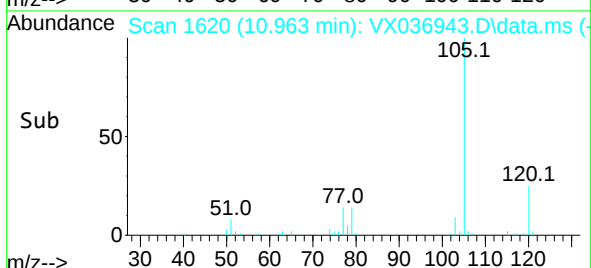
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

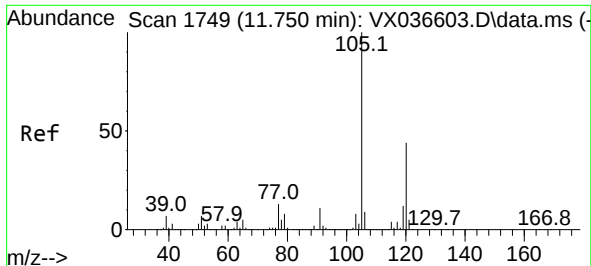


#73
Isopropylbenzene
Concen: 1.316 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03



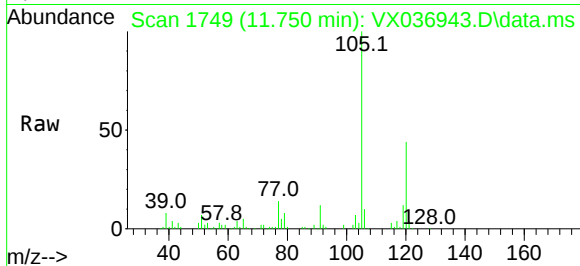
Tgt Ion:105 Resp: 11599
Ion Ratio Lower Upper
105 100
120 25.1 12.9 38.6





#84
1,2,4-Trimethylbenzene
Concen: 4.212 ug/l
RT: 11.750 min Scan# 11749
Delta R.T. 0.000 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03

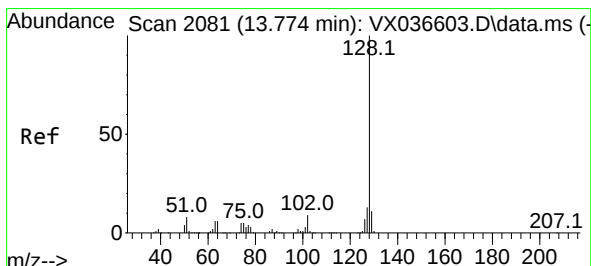
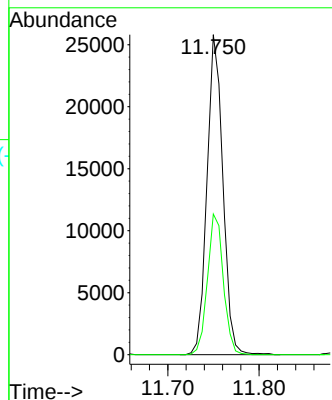
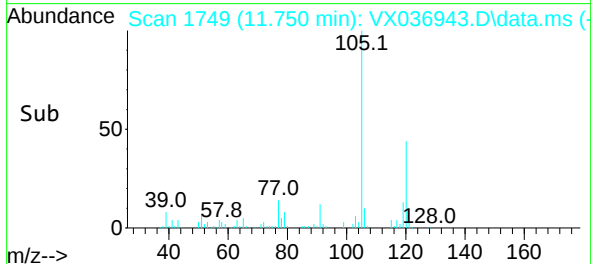
Instrument :
MSVOA_X
ClientSampleId :
IDW-S-20230808



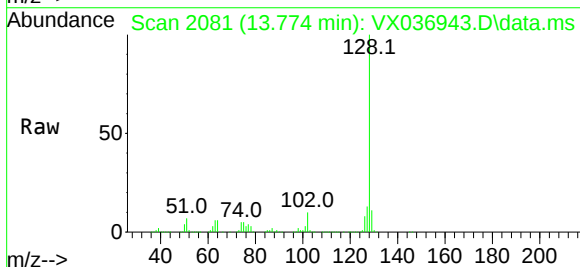
Tgt Ion:105 Resp: 31049
Ion Ratio Lower Upper
105 100
120 44.0 21.2 63.6

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Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#95
Naphthalene
Concen: 243.290 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX036943.D
Acq: 11 Aug 2023 16:03



Tgt Ion:128 Resp: 1873168
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 11.3 8.8 13.2

