

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111324\
 Data File : VX043841.D
 Acq On : 13 Nov 2024 18:11
 Operator : JC/MD
 Sample : P4785-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 14 04:30:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML110424WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 02:04:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John

Carlone

11/14/2024

Supervised By :Mahesh

Dadoda

11/18/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.775	114	240901	50.000	ug/L	0.02
28) Chlorobenzene-d5	10.055	117	211048	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	108776	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	76066	59.271	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 118.540%			
7) Chloroethane-d5	1.642	69	48712	88.303	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 176.600%#			
11) 1,1-Dichloroethene-d2	2.300	65	33642	56.785	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 113.560%			
21) 2-Butanone-d5	4.483	46	66854	79.561	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 79.560%			
24) Chloroform-d	5.056	84	138989	50.238	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.480%			
26) 1,2-Dichloroethane-d4	5.952	65	90703	51.607	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.220%			
32) Benzene-d6	5.983	84	274961	50.392	ug/L	0.02
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.780%			
36) 1,2-Dichloropropane-d6	7.354	67	59159	35.637	ug/L	0.05
Spiked Amount 50.000	Range 70 - 120		Recovery = 71.280%			
41) Toluene-d8	8.647	98	240321	48.484	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.960%			
43) trans-1,3-Dichloroprop...	8.951	79	40422	50.916	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 101.840%			
47) 2-Hexanone-d5	9.384	63	57842	88.044	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 88.040%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	108073	50.740	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 101.480%			
66) 1,2-Dichlorobenzene-d4	12.317	152	103808	55.080	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 110.160%			
Target Compounds						Qvalue
5) Vinyl chloride	1.374	62	175377	108.584	ug/L	98
8) Chloroethane	1.666	64	1239	2.180	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	12043	8.555	ug/L	98
12) 1,1-Dichloroethene	2.312	96	142572	110.946	ug/L #	73
13) Acetone	2.386	43	2387	3.054	ug/L	95
16) Methylene chloride	2.788	84	2715	1.749	ug/L	78
17) trans-1,2-Dichloroethene	3.087	96	90152	65.210	ug/L	91
19) 1,1-Dichloroethane	3.605	63	335126	123.101	ug/L	98
20) cis-1,2-Dichloroethene	4.483	96	4734583	2757.252	ug/L	98
27) 1,2-Dichloroethane	6.104	62	3008	1.333	ug/L	96
30) 1,1,1-Trichloroethane	5.385	97	419964	164.264	ug/L	98
34) Trichloroethene	7.184	95	62974526m	38939.042	ug/L	
40) 4-Methyl-2-pentanone	8.574	43	9932	4.554	ug/L #	90
42) Toluene	8.720	91	146688	23.183	ug/L	100
45) 1,1,2-Trichloroethane	9.153	97	11580	7.047	ug/L	94
46) Tetrachloroethene	9.275	164	95150	81.737	ug/L	92
53) m,p-Xylene	10.305	106	3447	1.298	ug/L	93

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Manual Integrations
APPROVED

Reviewed By :John
Carlone
11/14/2024

Supervised By :Mahesh
Dadoda
11/18/2024

Quant Time: Nov 14 04:30:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM110424WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 02:04:29 2024
Response via : Initial Calibration

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

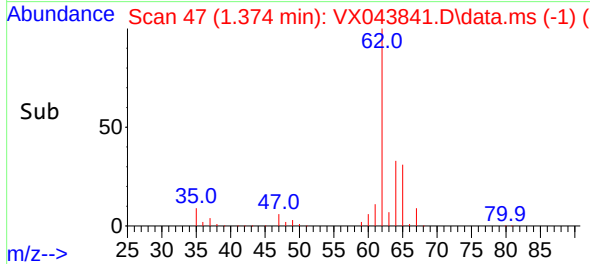
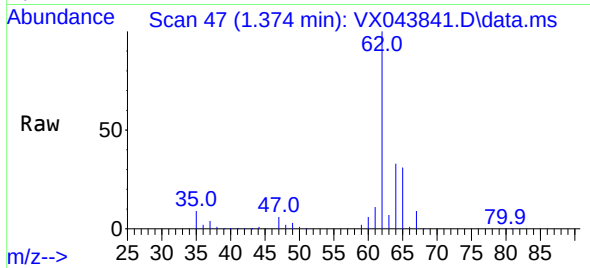
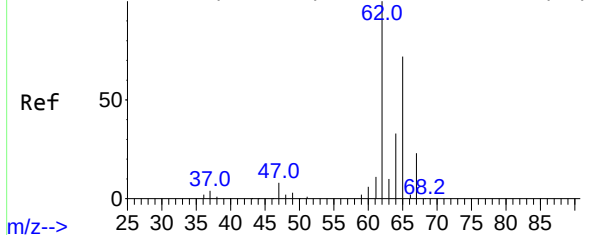
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Supervised By :Mahesh
Dadoda
11/18/2024

The chromatogram displays abundance on the y-axis (ranging from 0 to 5e+07) against time on the x-axis (ranging from 0 to 16.00 minutes). The following table lists the labeled compounds and their approximate retention times:

Compound	Retention Time (min)
Vinyl Chloride-13,S	~1.5
Chloroethane-15,S	~1.8
1,1,2,2-Tetrachloroethane-15,S	~2.5
Acetone	~2.8
1,1,2,2-Tetrachloroethane-15,S	~3.2
Methylene chloride,T	~3.5
trans-1,2-Dichloroethene,T	~3.8
1,1-Dichloroethane,T	~4.2
trans-1,2-Dichloroethene,T	~4.5
Chloroform-d,S	~5.2
1,1,1-Trichloroethane,T	~5.5
1,1,2,2-Tetrachloroethane-d4,S	~6.2
1,2-Dichloroethane,T	~6.5
1,4-Difluorobenzene,I	~7.2
1,2-Dichloropropane-d6,S	~7.5
4-Methyl-2-pentanone,T	~8.5
trans-1,3-Dichloropropene-d4,S	~9.2
1,1,2,2-Tetrachloroethane-15,S	~9.5
2-Hexanone-d5,S	~9.8
Chlorobenzene-d5,I	~10.5
m,p-Xylene,T	~10.8
1,1,1,2-Tetrachloroethane-d2,S	~11.5
1,4-Dichlorobenzene-d4,I	~12.5
1,2-Dichlorobenzene-d4,S	~12.8
Trichloroethene-T	~7.2

Abundance Scan 47 (1.374 min): VX043828.D\data.ms (-43)



#5

Vinyl chloride

Concen: 108.584 ug/L

RT: 1.374 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX043841.D

Acq: 13 Nov 2024 18:11

Tgt Ion: 62 Resp: 17537

Ion Ratio Lower Upper

62 100

64 33.2 24.0 44.6

Instrument :

MSVOA_X

ClientSampleId :

Manual Integrations

APPROVED

Reviewed By :John

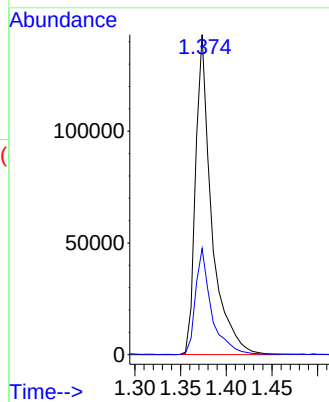
Carlone

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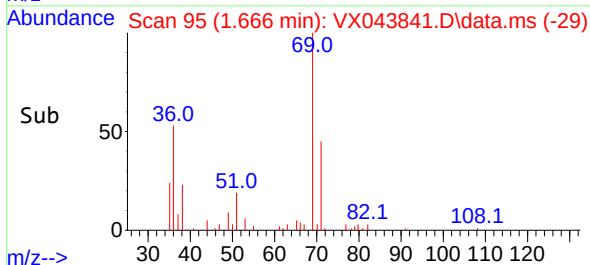
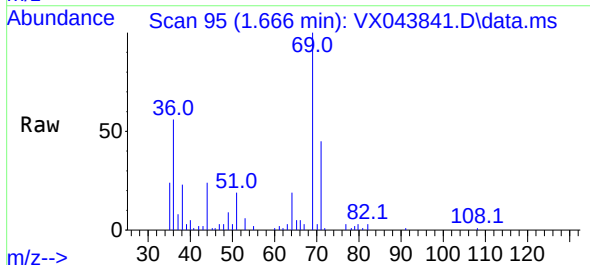
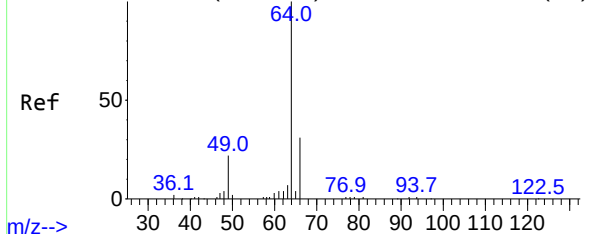
Supervised By :Mahesh

Dadoda

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Abundance Scan 95 (1.666 min): VX043828.D\data.ms (-91)



#8

Chloroethane

Concen: 2.180 ug/L

RT: 1.666 min Scan# 95

Delta R.T. -0.000 min

Lab File: VX043841.D

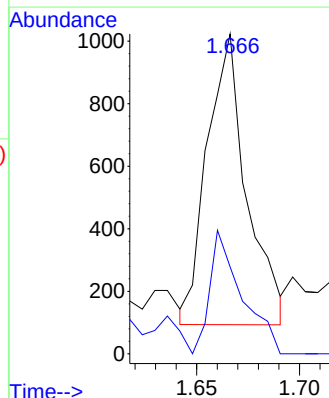
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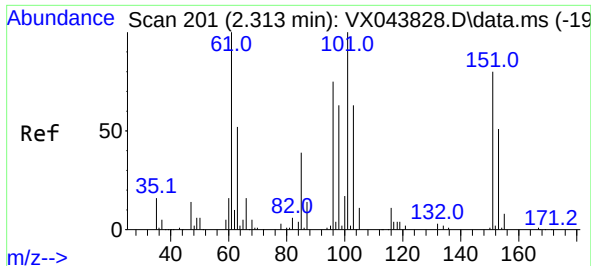
Tgt Ion: 64 Resp: 1239

Ion Ratio Lower Upper

64 100

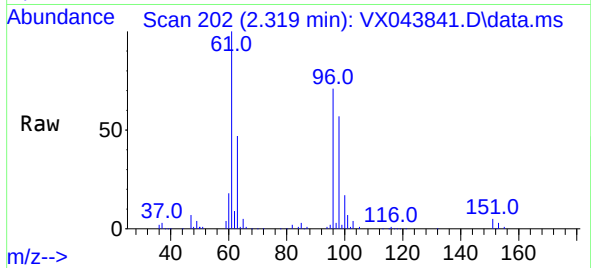
66 27.2 23.2 43.2





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 8.555 ug/L
RT: 2.319 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX043841.D
Acq: 13 Nov 2024 18:11

Instrument :
MSVOA_X
ClientSampleId :

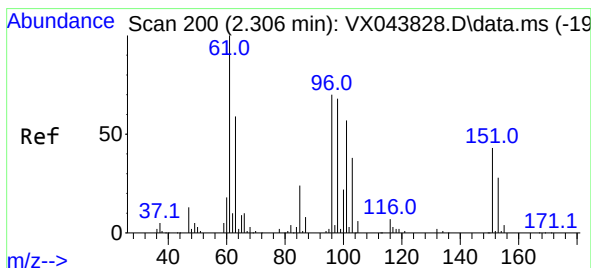
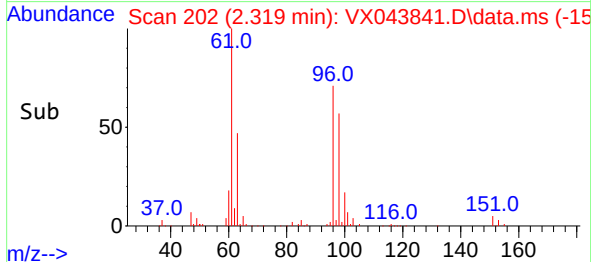
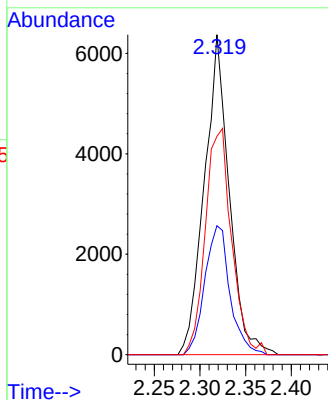


Tgt Ion:101 Resp: 1204
Ion Ratio Lower Upper
101 100
85 40.8 34.0 51.0
151 73.9 60.2 90.4

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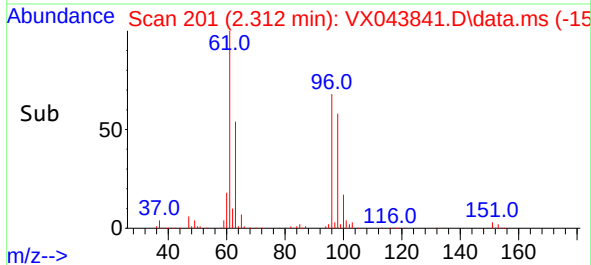
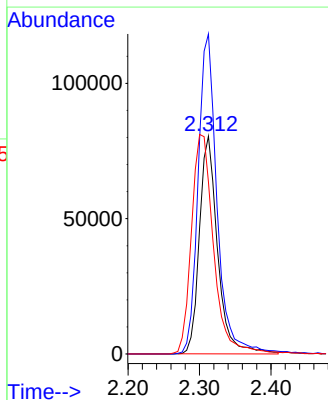
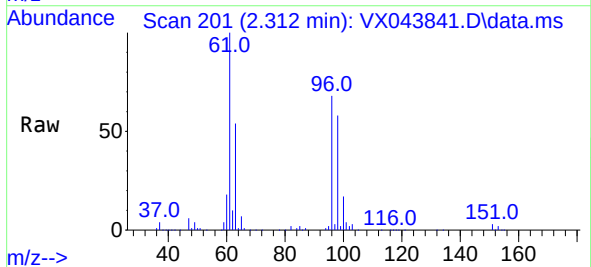
Reviewed By :John
Carlone
11/14/2024

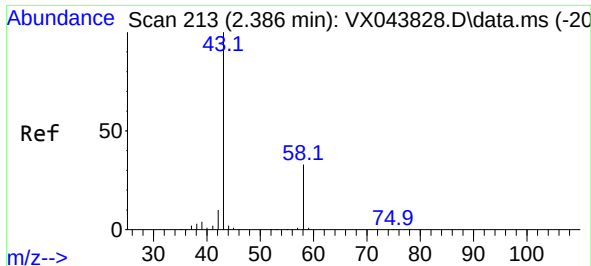
Supervised By :Mahesh
Dadoda
11/18/2024



#12
1,1-Dichloroethene
Concen: 110.946 ug/L
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX043841.D
Acq: 13 Nov 2024 18:11

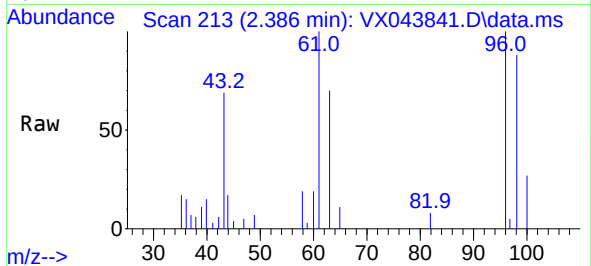
Tgt Ion: 96 Resp: 142572
Ion Ratio Lower Upper
96 100
61 147.0 119.7 222.3
63 79.0 86.5 160.6#





#13
Acetone
Concen: 3.054 ug/L
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043841.D
Acq: 13 Nov 2024 18:11

Instrument :
MSVOA_X
ClientSampleId :

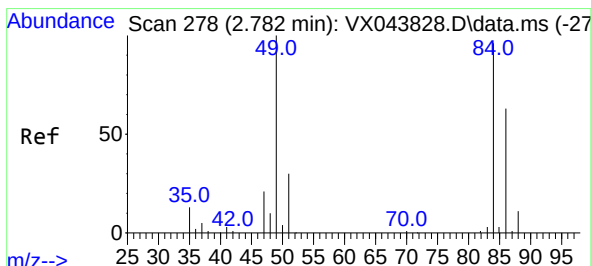
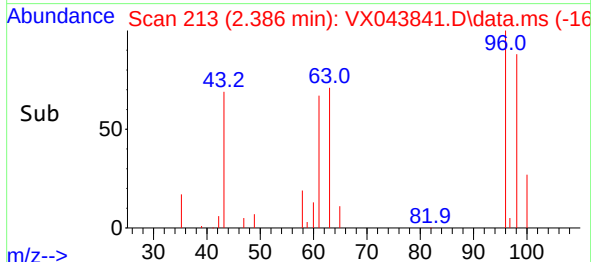
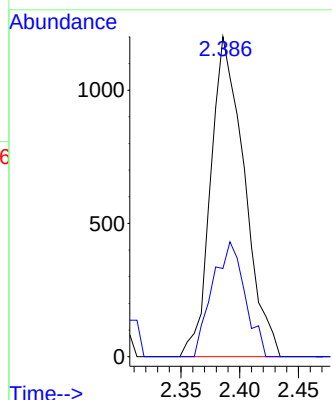


Tgt Ion: 43 Resp: 238
Ion Ratio Lower Upper
43 100
58 34.6 0.0 63.6

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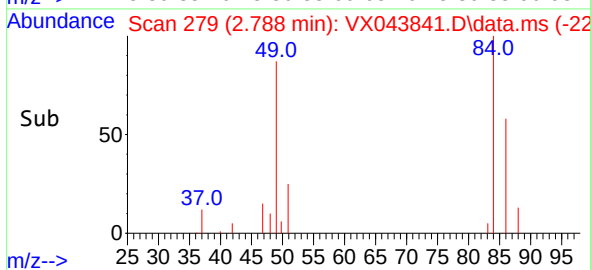
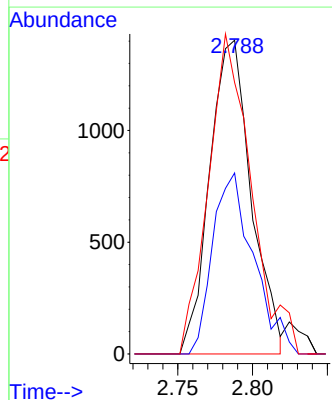
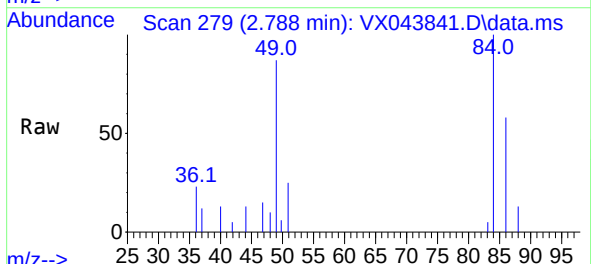
Reviewed By :John
Carlone
11/14/2024

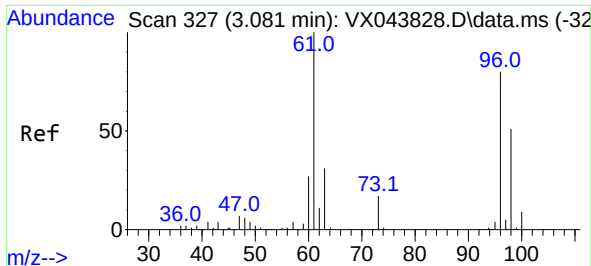
Supervised By :Mahesh
Dadoda
11/18/2024



#16
Methylene chloride
Concen: 1.749 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043841.D
Acq: 13 Nov 2024 18:11

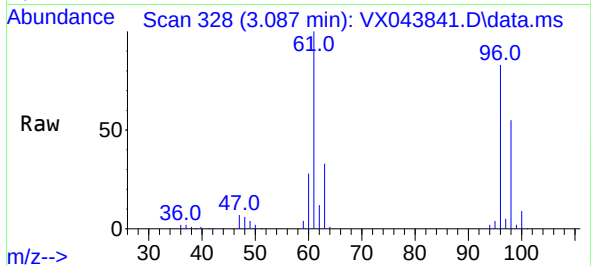
Tgt Ion: 84 Resp: 2715
Ion Ratio Lower Upper
84 100
86 57.7 44.7 83.1
49 86.5 83.2 154.4





#17
trans-1,2-Dichloroethene
Concen: 65.210 ug/L
RT: 3.087 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043841.D
Acq: 13 Nov 2024 18:11

Instrument :
MSVOA_X
ClientSampleId :

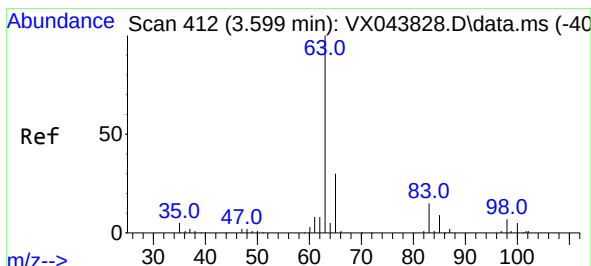
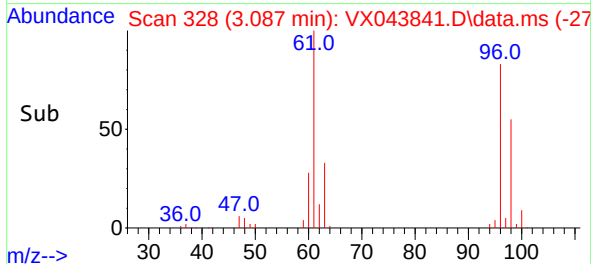
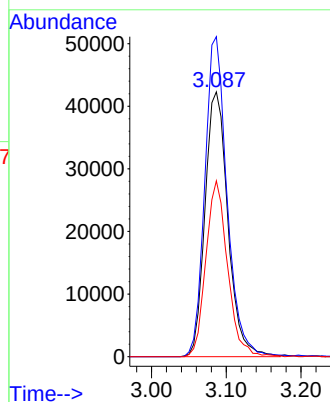


Tgt Ion: 96 Resp: 90152
Ion Ratio Lower Upper
96 100
61 120.8 93.4 173.6
98 66.4 44.1 81.9

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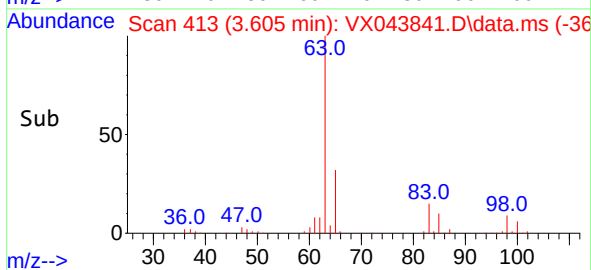
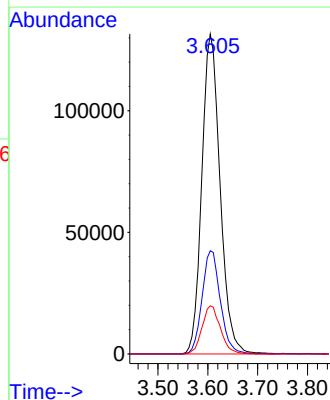
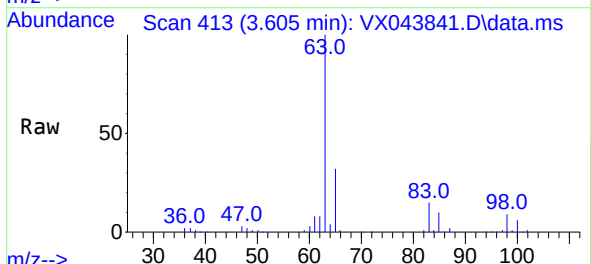
Reviewed By :John
Carlone
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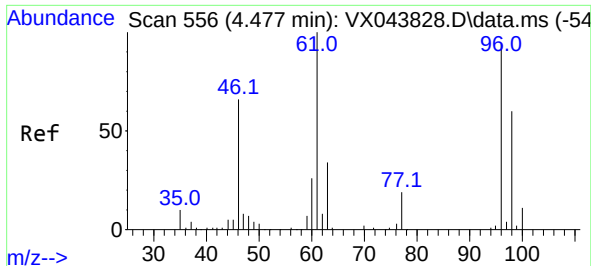
Supervised By :Mahesh
Dadoda
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#19
1,1-Dichloroethane
Concen: 123.101 ug/L
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043841.D
Acq: 13 Nov 2024 18:11

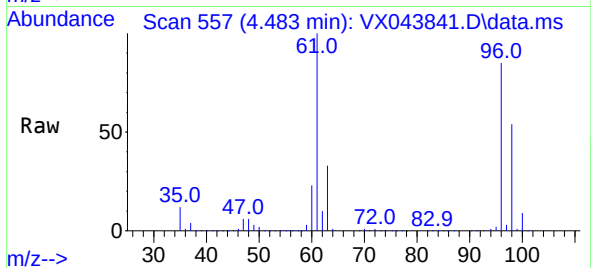
Tgt Ion: 63 Resp: 335126
Ion Ratio Lower Upper
63 100
65 32.2 23.2 43.2
83 15.1 9.4 17.4





#20
cis-1,2-Dichloroethene
Concen: 2757.252 ug/L
RT: 4.483 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX043841.D
Acq: 13 Nov 2024 18:11

Instrument :
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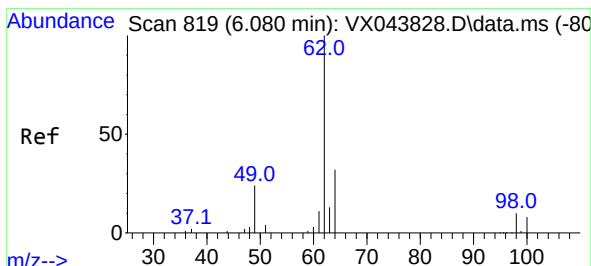
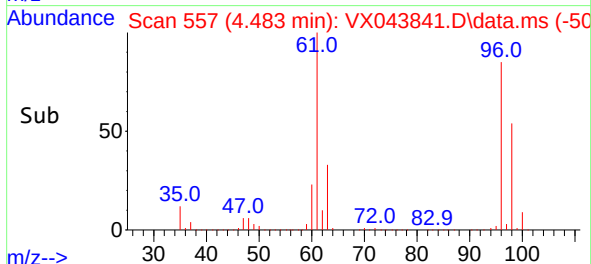
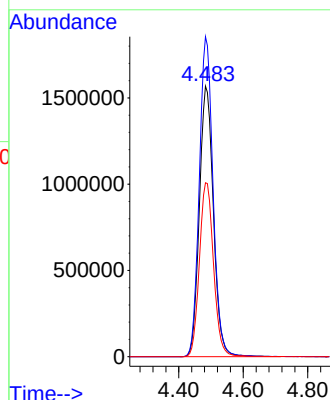


Tgt Ion: 96 Resp: 473458
Ion Ratio Lower Upper
96 100
61 118.3 85.2 158.2
98 64.3 44.6 82.8

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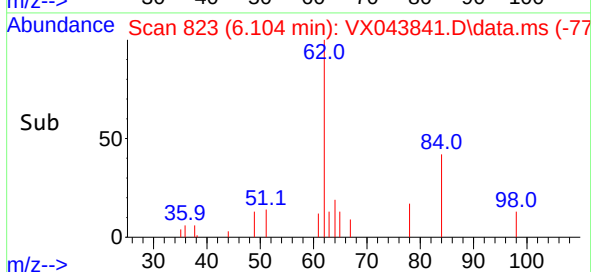
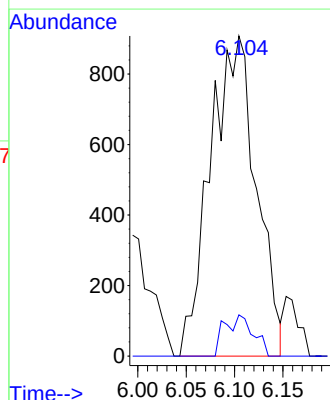
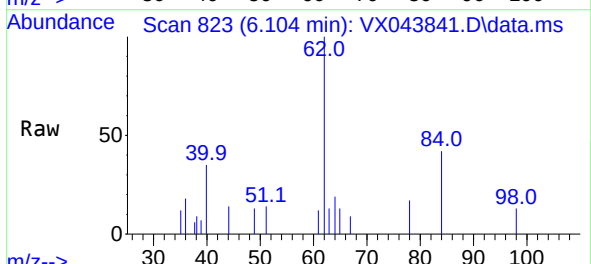
Reviewed By :John
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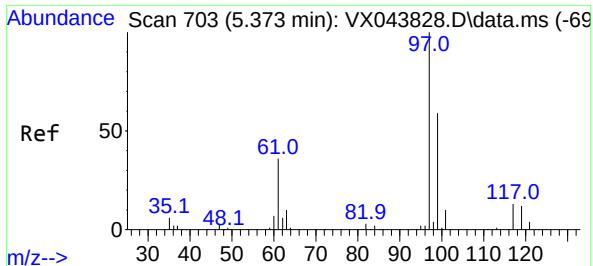
Supervised By :Mahesh
Dadoda
11/18/2024



#27
1,2-Dichloroethane
Concen: 1.333 ug/L
RT: 6.104 min Scan# 823
Delta R.T. 0.024 min
Lab File: VX043841.D
Acq: 13 Nov 2024 18:11

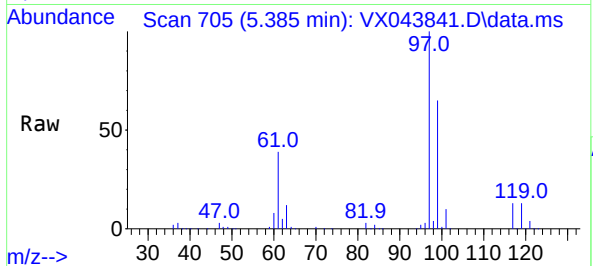
Tgt Ion: 62 Resp: 3008
Ion Ratio Lower Upper
62 100
98 12.9 9.0 13.6





#30
1,1,1-Trichloroethane
Concen: 164.264 ug/L
RT: 5.385 min Scan# 703
Delta R.T. 0.012 min
Lab File: VX043841.D
Acq: 13 Nov 2024 18:11

Instrument :
MSVOA_X
ClientSampleId :

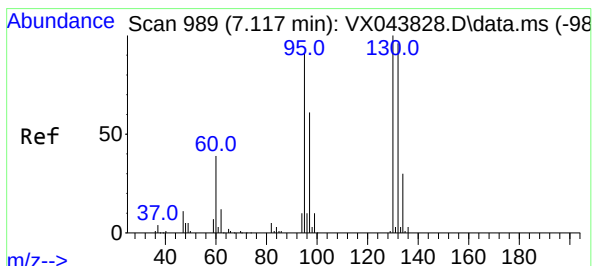
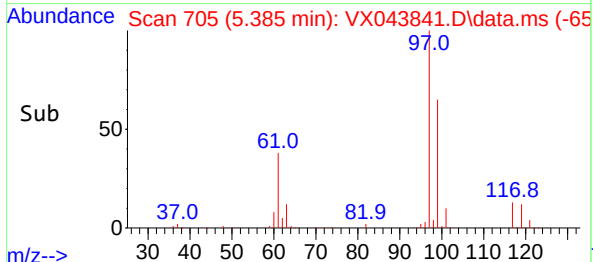
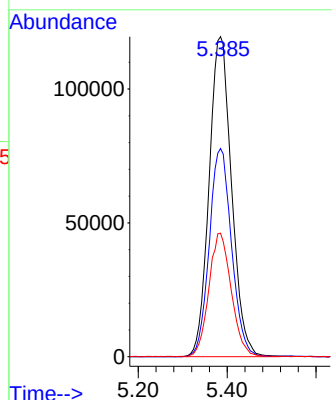


Tgt Ion: 97 Resp: 419964
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.6
61 38.4 32.6 49.0

Manual Integrations
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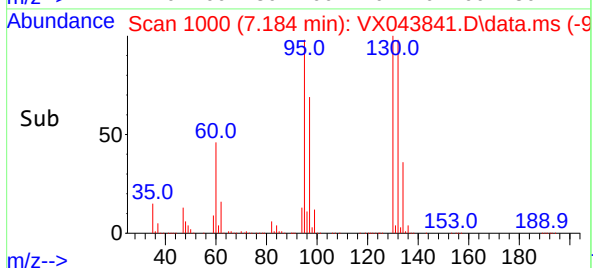
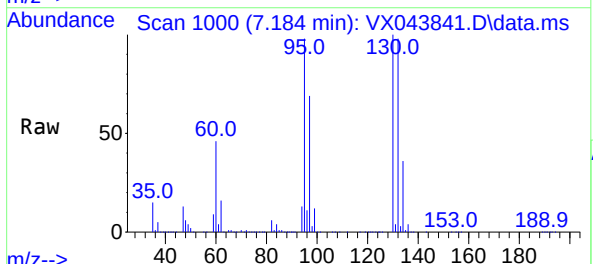
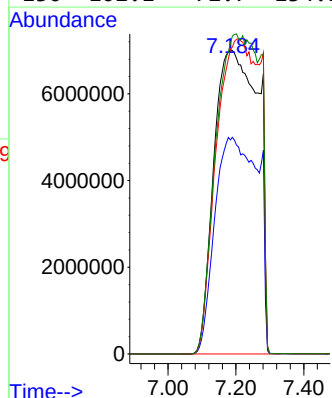
Reviewed By :John
Carlone
11/14/2024

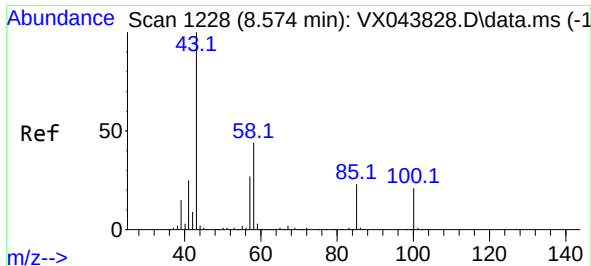
Supervised By :Mahesh
Dadoda
11/18/2024



#34
Trichloroethene
Concen: 38939.042 ug/L m
RT: 7.184 min Scan# 1000
Delta R.T. 0.067 min
Lab File: VX043841.D
Acq: 13 Nov 2024 18:11

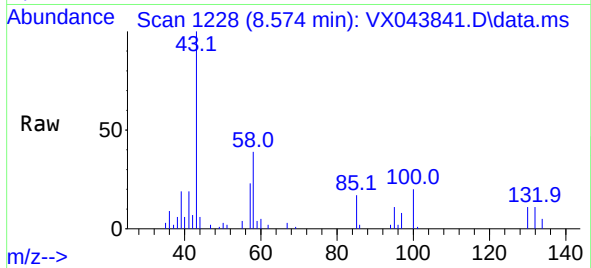
Tgt Ion: 95 Resp:62974526
Ion Ratio Lower Upper
95 100
97 70.4 45.4 84.2
132 100.2 69.7 129.5
130 102.1 72.7 134.9





#40
4-Methyl-2-pentanone
Concen: 4.554 ug/L
RT: 8.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043841.D
Acq: 13 Nov 2024 18:11

Instrument :
MSVOA_X
ClientSampleId :

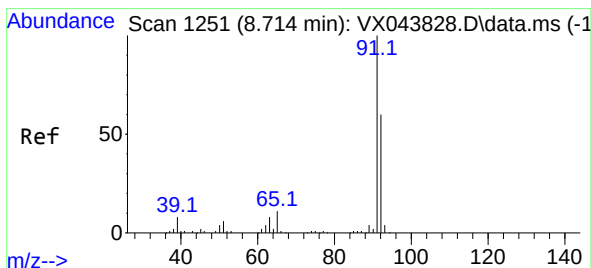
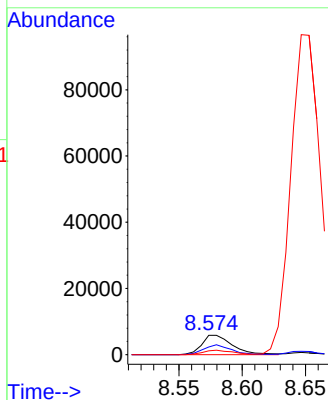
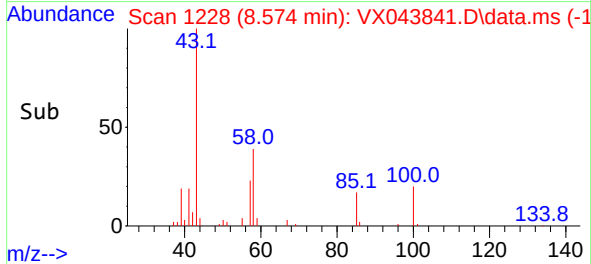


Tgt Ion: 43 Resp: 993
Ion Ratio Lower Upper
43 100
58 45.5 31.6 47.4
100 22.3 13.8 20.6

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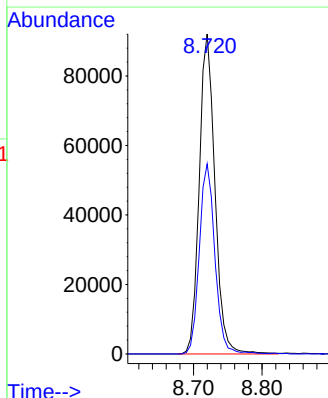
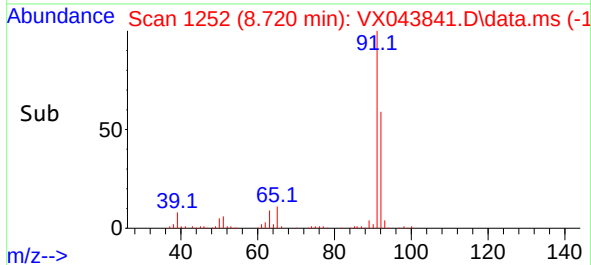
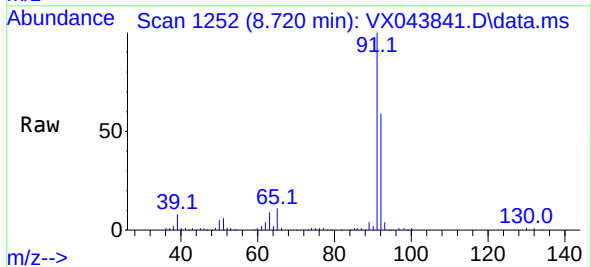
Reviewed By :John
Carlone
11/14/2024

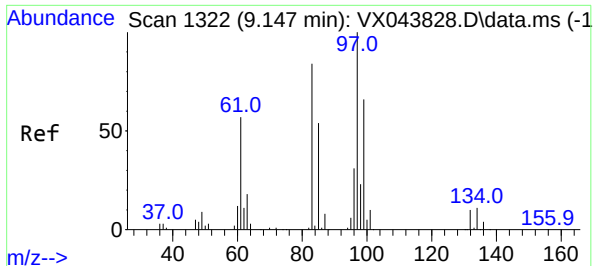
Supervised By :Mahesh
Dadoda
11/18/2024



#42
Toluene
Concen: 23.183 ug/L
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX043841.D
Acq: 13 Nov 2024 18:11

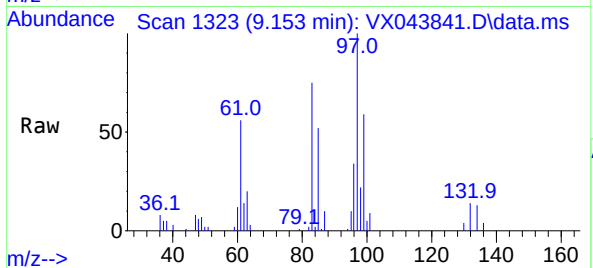
Tgt Ion: 91 Resp: 146688
Ion Ratio Lower Upper
91 100
92 59.4 41.6 77.3





#45
1,1,2-Trichloroethane
Concen: 7.047 ug/L
RT: 9.153 min Scan# 11580
Delta R.T. 0.006 min
Lab File: VX043841.D
Acq: 13 Nov 2024 18:11

Instrument :
MSVOA_X
ClientSampleId :



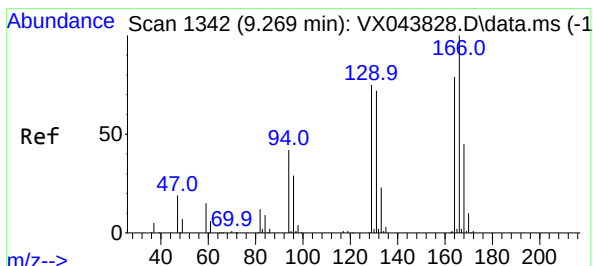
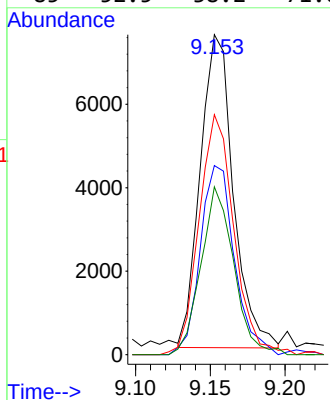
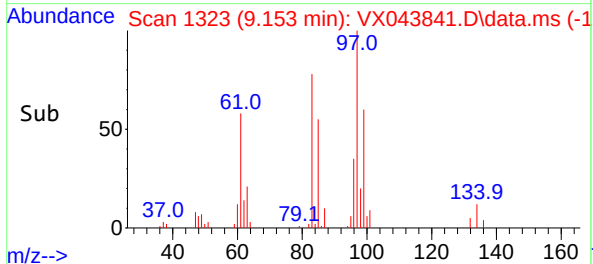
Tgt Ion: 97 Resp: 11580

Ion	Ratio	Lower	Upper
97	100		
99	59.1	42.8	79.4
83	75.0	58.4	108.4
85	52.5	38.2	71.0

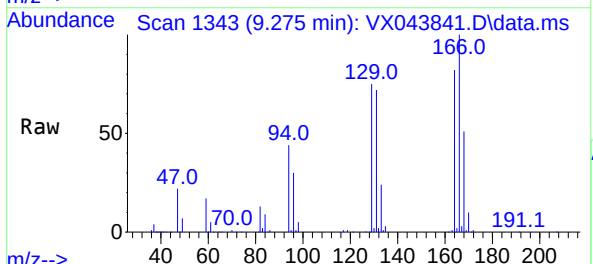
Manual Integrations
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Reviewed By :John
Carlone
11/14/2024

Supervised By :Mahesh
Dadoda
11/18/2024

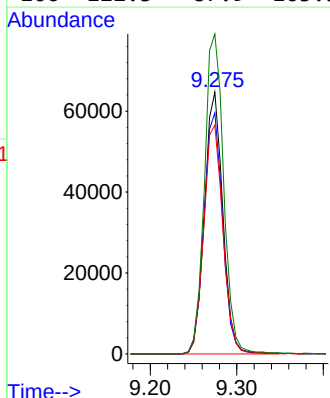
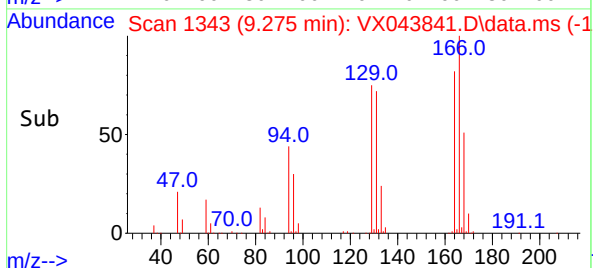


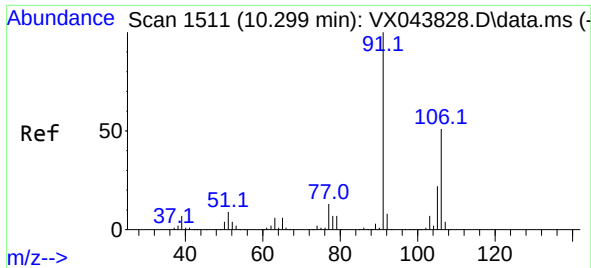
#46
Tetrachloroethene
Concen: 81.737 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043841.D
Acq: 13 Nov 2024 18:11



Tgt Ion:164 Resp: 95150

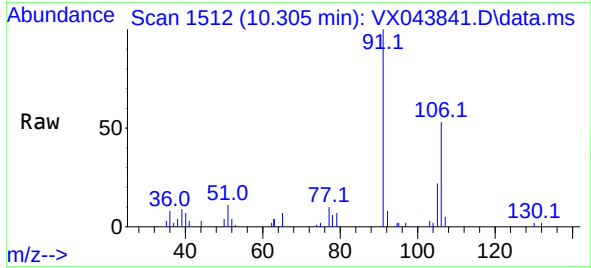
Ion	Ratio	Lower	Upper
164	100		
129	92.1	72.2	134.2
131	87.4	69.0	128.2
166	122.3	87.9	163.3





#53
m,p-Xylene
Concen: 1.298 ug/L
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043841.D
Acq: 13 Nov 2024 18:11

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:106 Resp: 344
Ion Ratio Lower Upper
106 100
91 190.5 140.6 261.2

Manual Integrations
APPROVED

Reviewed By :John
Carlone
11/14/2024

Supervised By :Mahesh
Dadoda
11/18/2024

