

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050924\
 Data File : VX041433.D
 Acq On : 09 May 2024 14:38
 Operator : JC/MD
 Sample : P2409-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT2-2024-03

Quant Time: May 09 23:49:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML050924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 23:24:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/10/2024
 Supervised By : Mahesh Dadoda 05/10/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	277289	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	253174	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	132641	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	77189	49.082	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.160%		
7) Chloroethane-d5	1.648	69	58441	50.650	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	101.300%		
11) 1,1-Dichloroethene-d2	2.294	65	36009	45.494	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.980%		
21) 2-Butanone-d5	4.459	46	138653	118.258	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	118.260%		
24) Chloroform-d	5.050	84	176474	50.745	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.500%		
26) 1,2-Dichloroethane-d4	5.952	65	121234	48.460	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.920%		
32) Benzene-d6	5.964	84	359606	51.993	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.980%		
36) 1,2-Dichloropropane-d6	7.306	67	105509	51.340	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.680%		
41) Toluene-d8	8.647	98	333021	46.618	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.240%		
43) trans-1,3-Dichloroprop...	8.952	79	47275	45.917	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.840%		
47) 2-Hexanone-d5	9.385	63	99993	104.417	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.420%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	156673	48.443	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.880%		
66) 1,2-Dichlorobenzene-d4	12.317	152	145308	53.614	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.220%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	4161	2.180	ug/L	95
3) Chloromethane	1.295	50	3459	2.124	ug/L	94
5) Vinyl chloride	1.374	62	4007	2.389	ug/L #	53
6) Bromomethane	1.593	94	2615	2.237	ug/L	86
8) Chloroethane	1.666	64	2644	2.753	ug/L	99
9) Trichlorofluoromethane	1.868	101	6364	2.155	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	4889	2.696	ug/L #	77
12) 1,1-Dichloroethene	2.307	96	3988	2.475	ug/L #	1
13) Acetone	2.392	43	4556	3.785	ug/L	98
14) Carbon disulfide	2.502	76	7374	1.899	ug/L	100
15) Methyl Acetate	2.703	43	4925	2.424	ug/L	99
16) Methylene chloride	2.782	84	5578	3.120	ug/L	94
17) trans-1,2-Dichloroethene	3.087	96	3751	2.266	ug/L	96
18) Methyl tert-butyl Ether	3.117	73	12607	2.232	ug/L	99
19) 1,1-Dichloroethane	3.605	63	6852	2.235	ug/L	99
20) cis-1,2-Dichloroethene	4.483	96	4180	2.187	ug/L	88
22) 2-Butanone	4.574	43	6957m	4.629	ug/L	
23) Bromochloromethane	4.904	128	2337	2.298	ug/L	90
27) 1,2-Dichloroethane	6.092	62	6066	2.199	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.465	56	6141	2.181	ug/L #	95
30) 1,1,1-Trichloroethane	5.379	97	6236	2.093	ug/L	98
31) Carbon tetrachloride	5.672	117	5473	2.069	ug/L	94
33) Benzene	6.032	78	15712	2.218	ug/L	100
35) Methylcyclohexane	7.373	83	6672	2.219	ug/L #	88
37) 1,2-Dichloropropane	7.428	63	4175	2.340	ug/L #	92
38) Bromodichloromethane	7.824	83	4439	1.841	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	5979	2.024	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	10982	3.825	ug/L	99
42) Toluene	8.720	91	16687	2.159	ug/L	94
44) trans-1,3-Dichloropropene	8.982	75	5689	2.065	ug/L	92
45) 1,1,2-Trichloroethane	9.153	97	4143	2.100	ug/L	97
46) Tetrachloroethene	9.275	164	4111	2.214	ug/L	98
48) 2-Hexanone	9.433	43	10226	4.446	ug/L	99
49) Dibromochloromethane	9.519	129	3756	1.884	ug/L	100
50) 1,2-Dibromoethane	9.610	107	4348	2.119	ug/L	99
51) Chlorobenzene	10.080	112	11707	2.271	ug/L	92
52) Ethylbenzene	10.195	91	18198	2.146	ug/L	100
53) m,p-Xylene	10.305	106	6918	2.039	ug/L	96
54) o-Xylene	10.640	106	6579	1.903	ug/L	85
55) Styrene	10.659	104	11258m	1.950	ug/L	
57) 1,1,2,2-Tetrachloroethane	11.214	83	7721	2.359	ug/L	99
59) Bromoform	10.805	173	3021	1.946	ug/L #	95
60) Isopropylbenzene	10.964	105	18173	2.246	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	5807	2.561	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	11528	2.108	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	13326	2.012	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	9391	2.281	ug/L	95
67) 1,2-Dichlorobenzene	12.335	146	10175	2.387	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	1278	2.095	ug/L	95
69) 1,3,5-Trichlorobenzene	13.116	180	6628	2.157	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	5999	2.138	ug/L	99
71) Naphthalene	13.780	128	16872m	2.014	ug/L	
72) 1,2,3-Trichlorobenzene	13.963	180	6072	2.075	ug/L	98

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

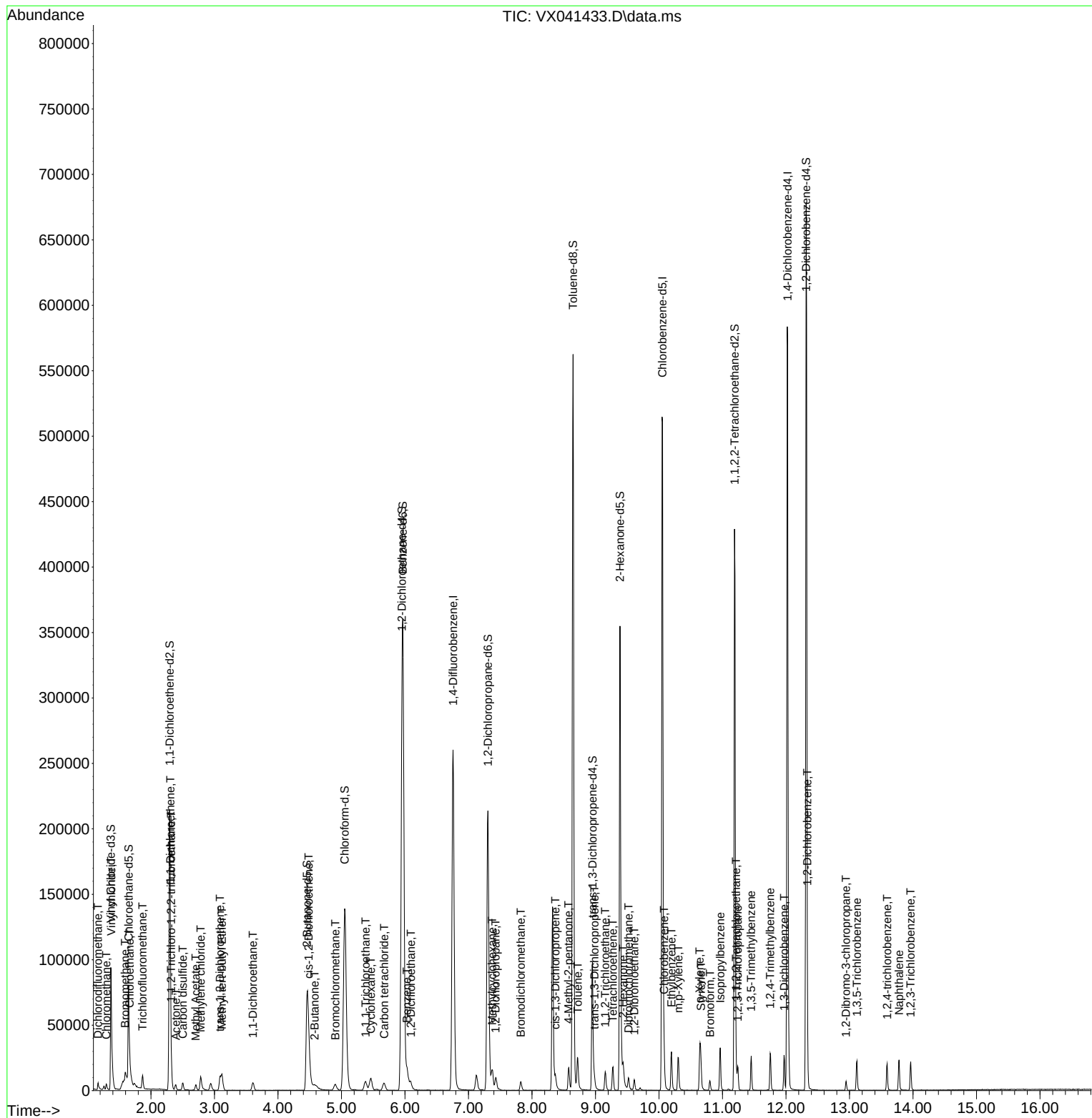
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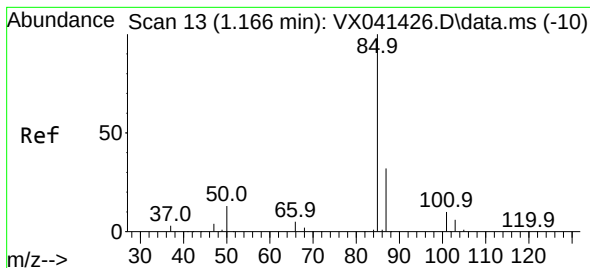
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2024-03

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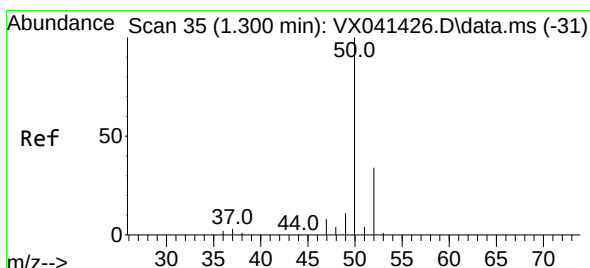
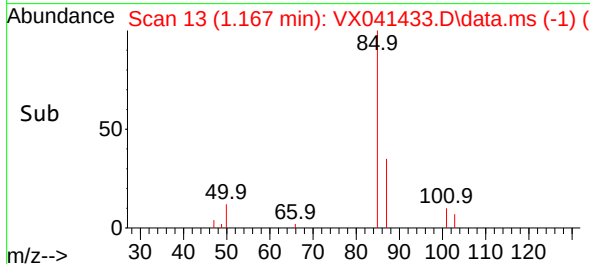
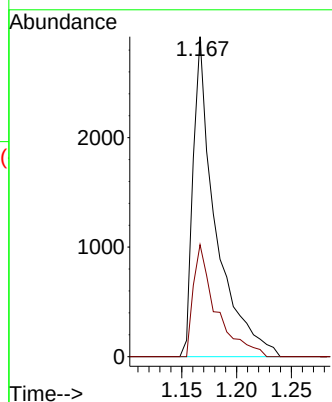
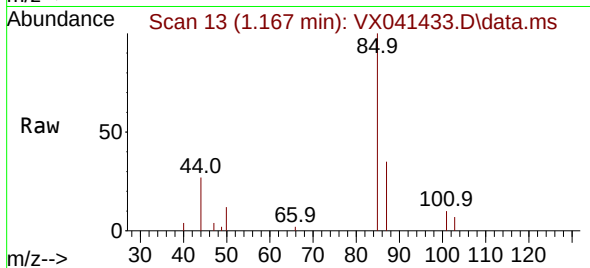
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Dichlorodifluoromethane
Concen: 2.180 ug/L
RT: 1.167 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT2-2024-03

Tgt Ion: 85 Resp: 416
Ion Ratio Lower Upper
85 100
87 35.5 26.2 39.2

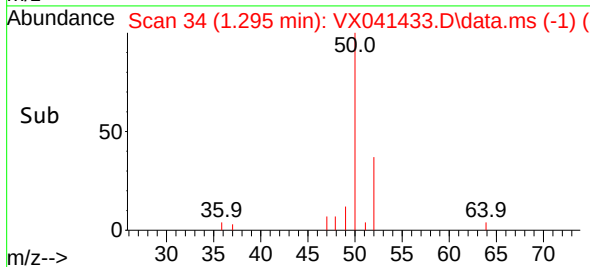
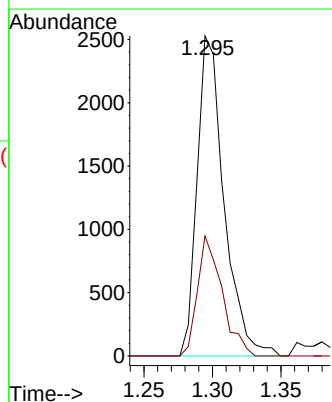
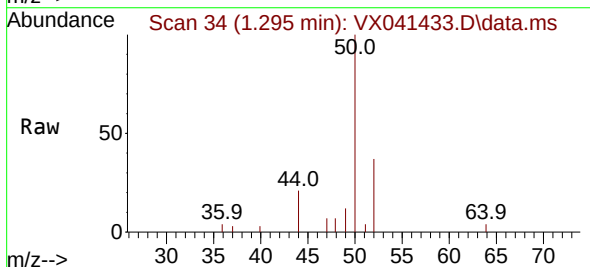
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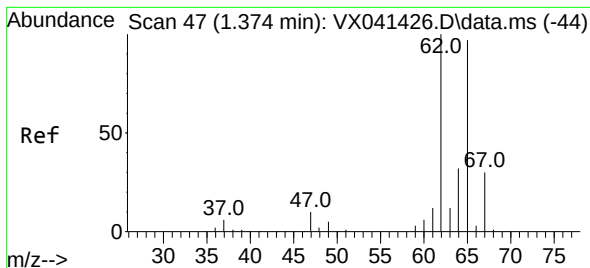
Reviewed By :John Carlone 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#3
Chloromethane
Concen: 2.124 ug/L
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

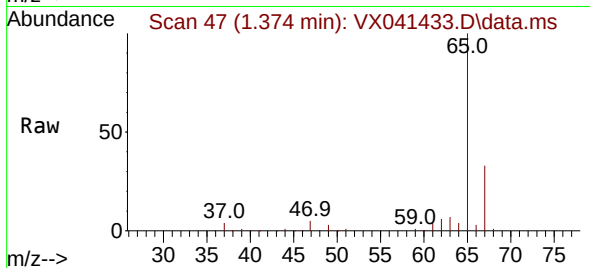
Tgt Ion: 50 Resp: 3459
Ion Ratio Lower Upper
50 100
52 37.5 23.7 44.1





#5
 Vinyl chloride
 Concen: 2.389 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX041433.D
 Acq: 09 May 2024 14:38

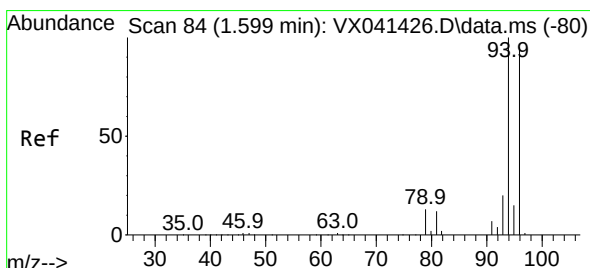
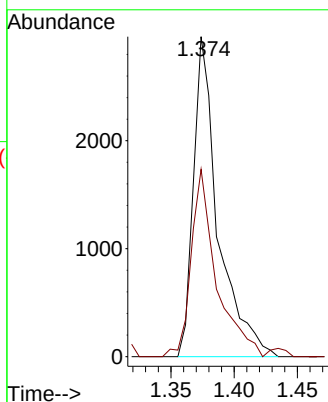
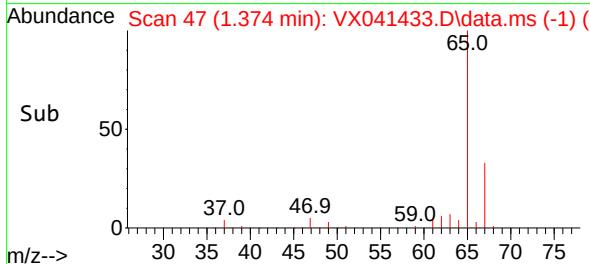
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT2-2024-03



Tgt Ion: 62 Resp: 400
 Ion Ratio Lower Upper
 62 100
 64 58.5 22.7 42.1

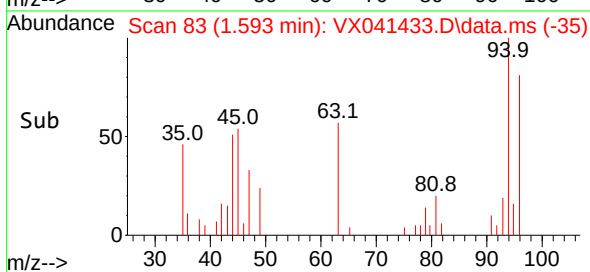
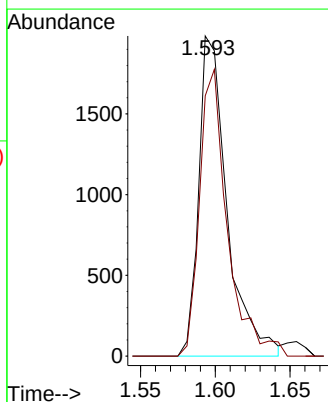
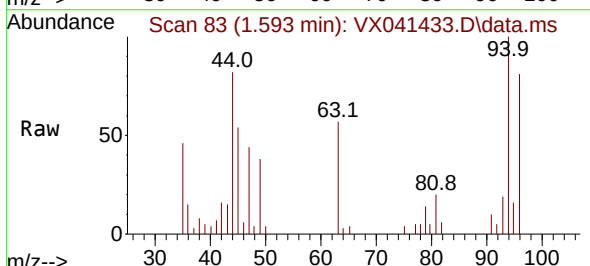
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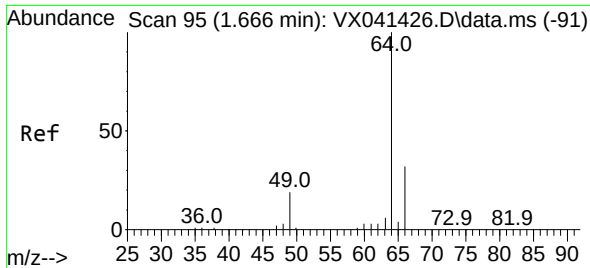
Reviewed By :John Carlone 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024



#6
 Bromomethane
 Concen: 2.237 ug/L
 RT: 1.593 min Scan# 83
 Delta R.T. -0.006 min
 Lab File: VX041433.D
 Acq: 09 May 2024 14:38

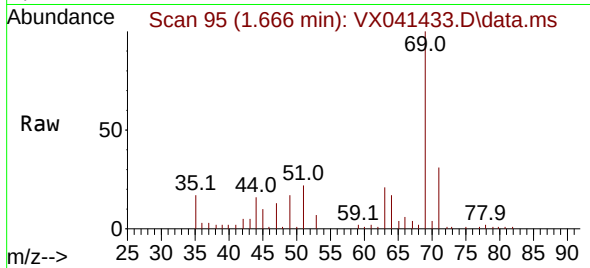
Tgt Ion: 94 Resp: 2615
 Ion Ratio Lower Upper
 94 100
 96 81.3 66.6 123.8





#8
Chloroethane
Concen: 2.753 ug/L
RT: 1.666 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

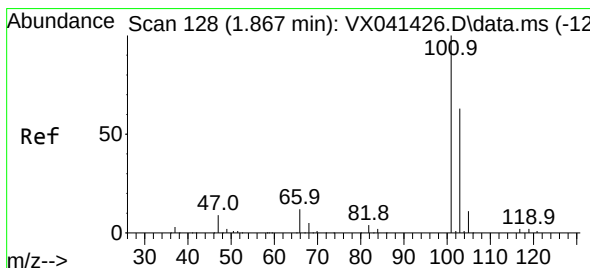
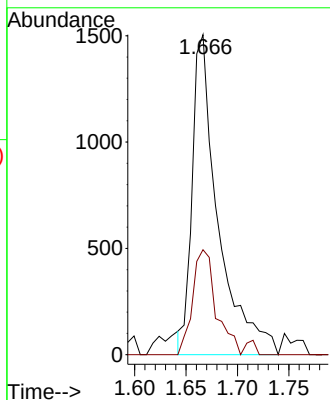
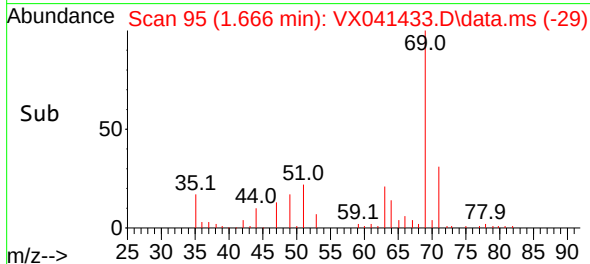
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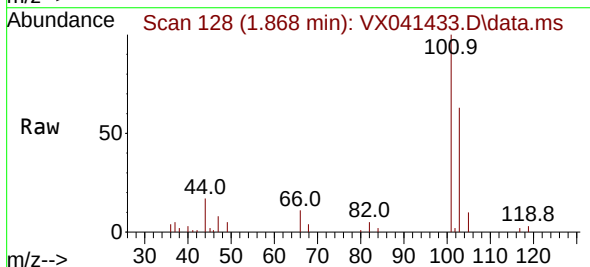
Tgt Ion: 64 Resp: 264
Ion Ratio Lower Upper
64 100
66 32.8 22.5 41.9

Manual Integrations
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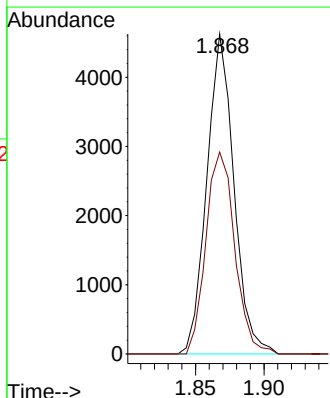
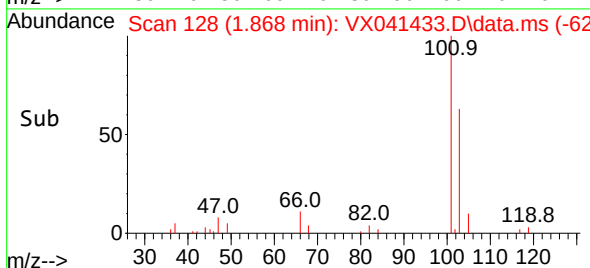
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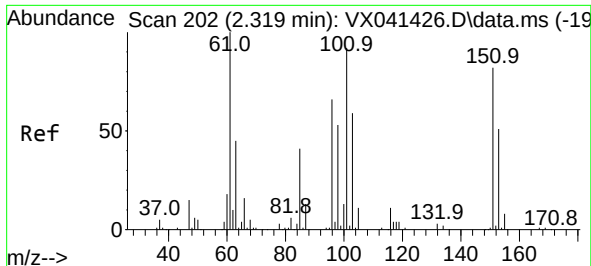


#9
Trichlorofluoromethane
Concen: 2.155 ug/L
RT: 1.868 min Scan# 128
Delta R.T. 0.000 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38



Tgt Ion:101 Resp: 6364
Ion Ratio Lower Upper
101 100
103 67.2 51.7 77.5





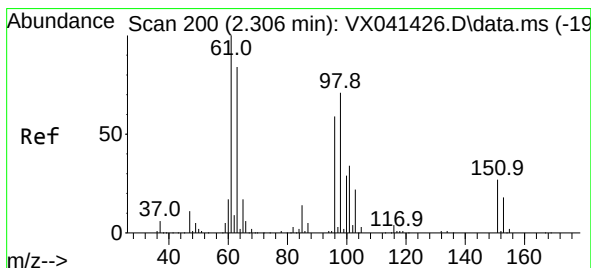
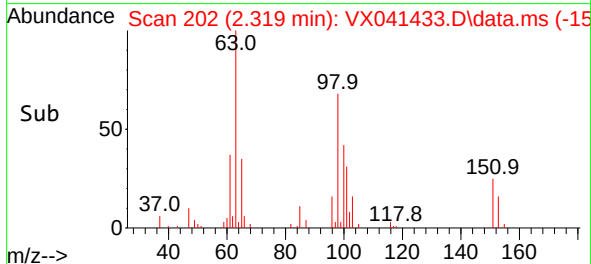
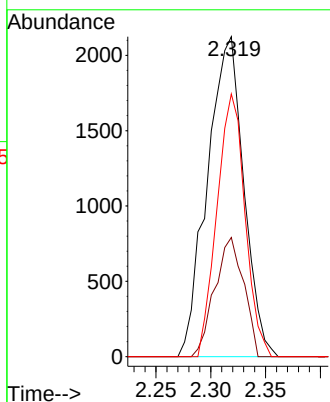
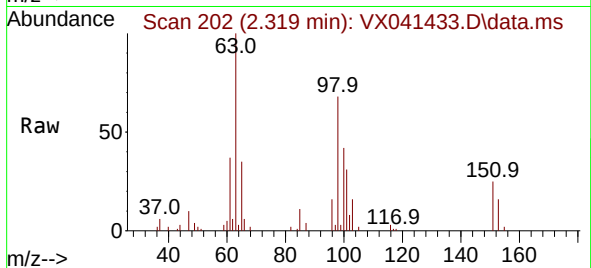
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.696 ug/L
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX041433.D
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MSVOA_X
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MDL-WATER-QT2-2024-03

Tgt Ion:101 Resp: 4889
Ion Ratio Lower Upper
101 100
85 29.6 33.4 50.2
151 63.4 68.7 103.1

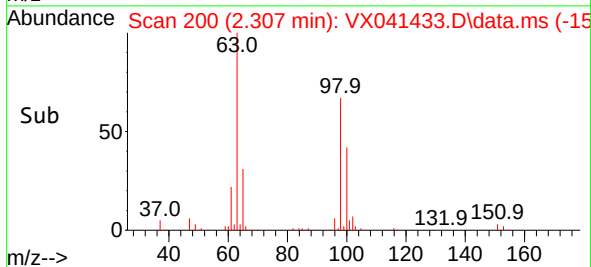
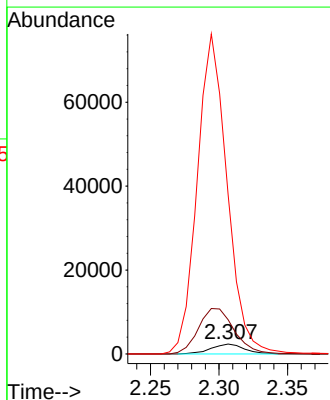
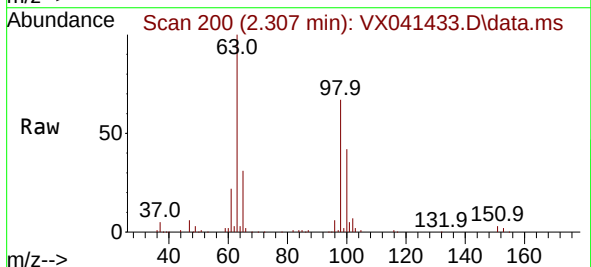
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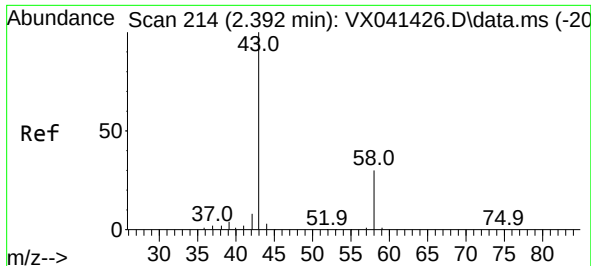
Reviewed By :John Carlone 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#12
1,1-Dichloroethene
Concen: 2.475 ug/L
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

Tgt Ion: 96 Resp: 3988
Ion Ratio Lower Upper
96 100
61 343.0 119.3 221.7#
63 1592.6 100.0 185.8#





#13

Acetone

Concen: 3.785 ug/L

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX041433.D

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Instrument :

MSVOA_X

ClientSampleId :

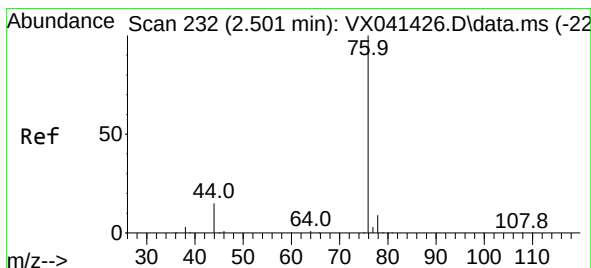
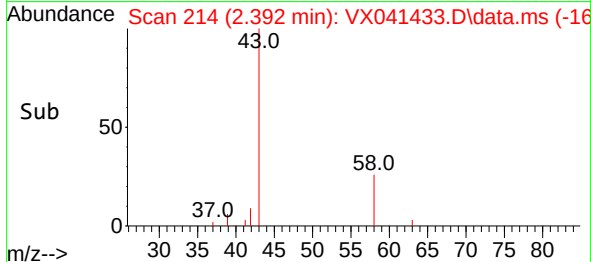
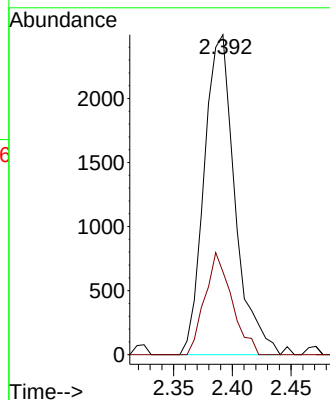
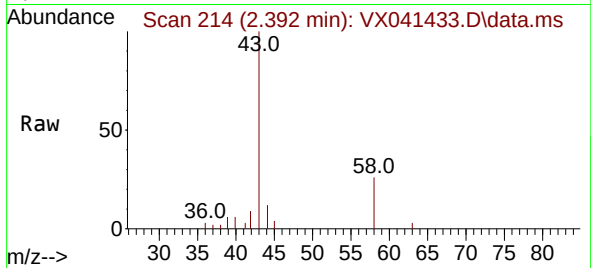
MDL-WATER-QT2-2024-03

Tgt Ion: 43 Resp: 4550
Ion Ratio Lower Upper
43 100
58 27.9 0.0 58.0

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#14

Carbon disulfide

Concen: 1.899 ug/L

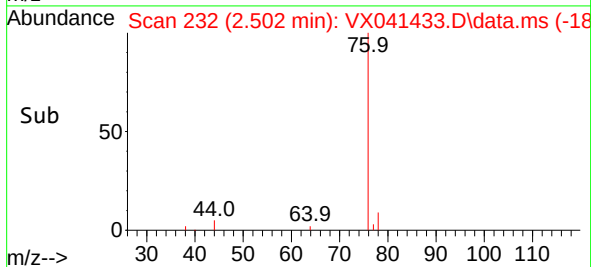
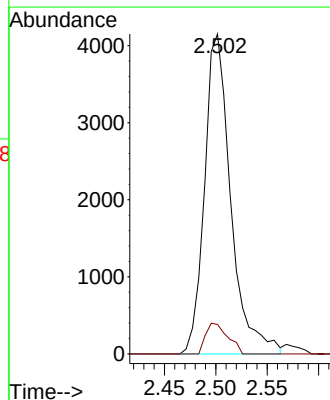
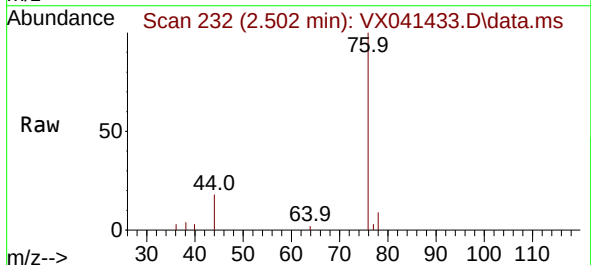
RT: 2.502 min Scan# 232

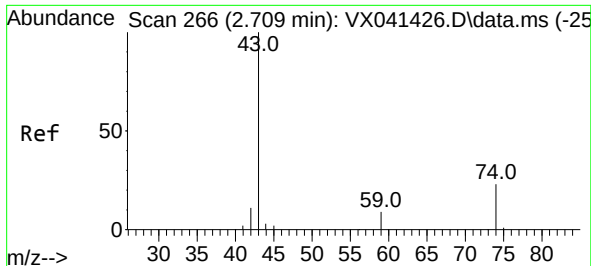
Delta R.T. 0.000 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

Tgt Ion: 76 Resp: 7374
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9





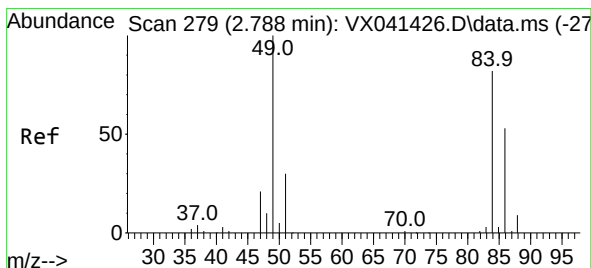
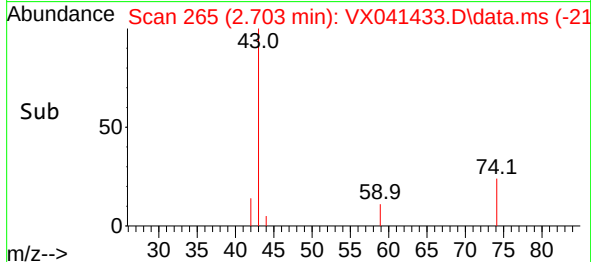
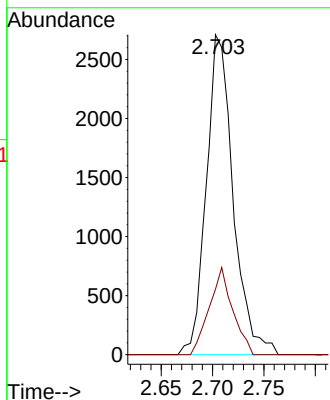
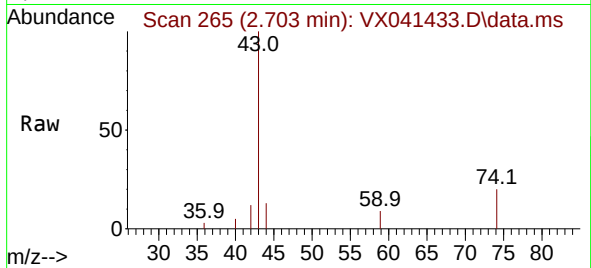
#15
Methyl Acetate
Concen: 2.424 ug/L
RT: 2.703 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2024-03

Tgt Ion: 43 Resp: 4925
Ion Ratio Lower Upper
43 100
74 23.7 18.5 27.7

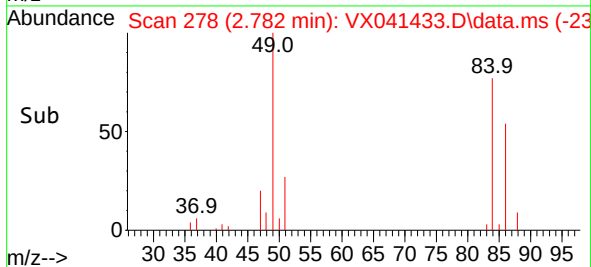
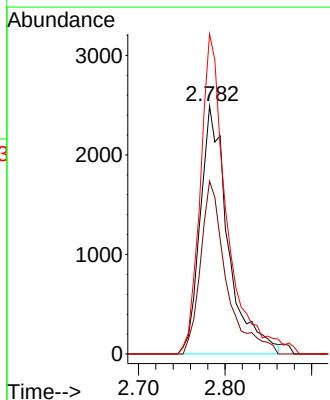
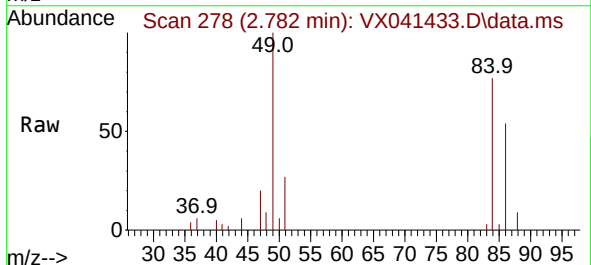
Manual Integrations
APPROVED

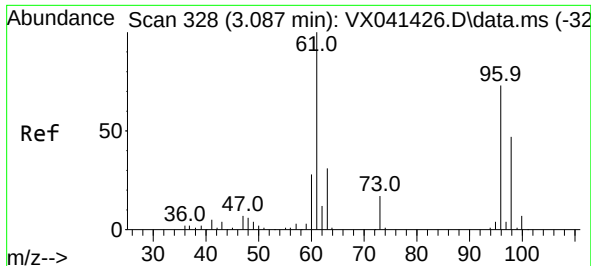
Reviewed By :John Carlone 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#16
Methylene chloride
Concen: 3.120 ug/L
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

Tgt Ion: 84 Resp: 5578
Ion Ratio Lower Upper
84 100
86 69.7 44.9 83.5
49 129.1 85.5 158.7





#17

trans-1,2-Dichloroethene

Concen: 2.266 ug/L

RT: 3.087 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX041433.D

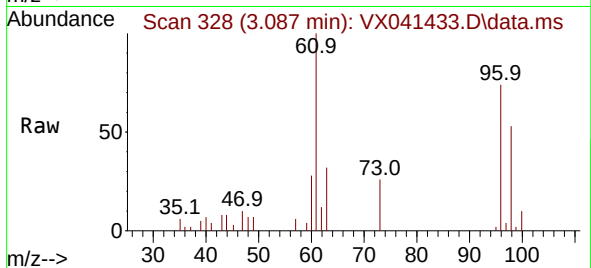
Acq: 09 May 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2024-03



Tgt Ion: 96 Resp: 375

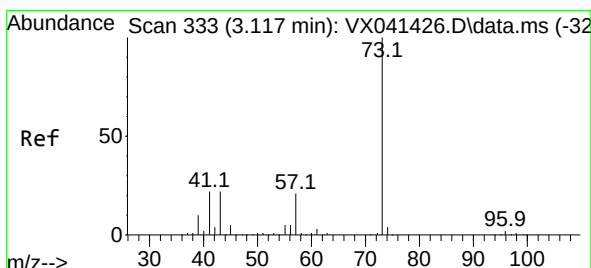
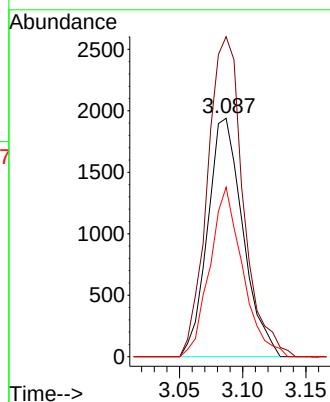
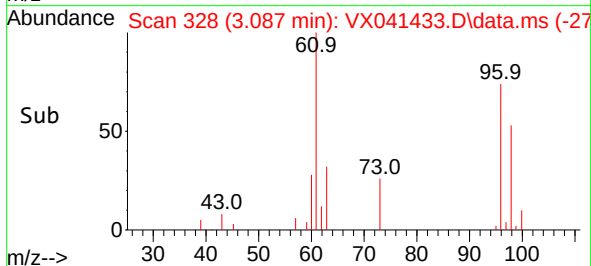
Ion	Ratio	Lower	Upper
96	100		
61	134.2	95.8	177.8
98	71.1	44.9	83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#18

Methyl tert-butyl Ether

Concen: 2.232 ug/L

RT: 3.117 min Scan# 333

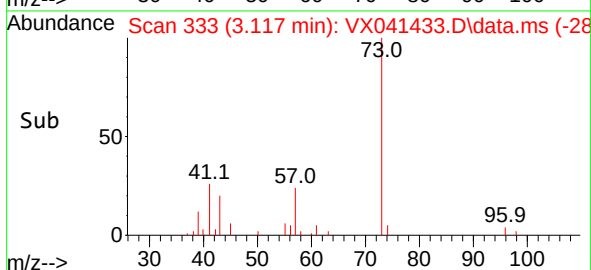
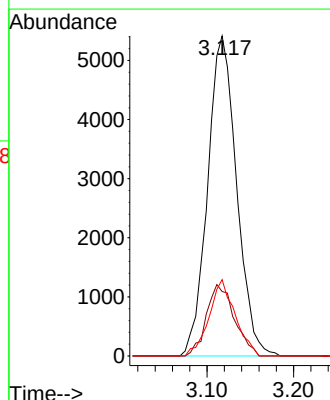
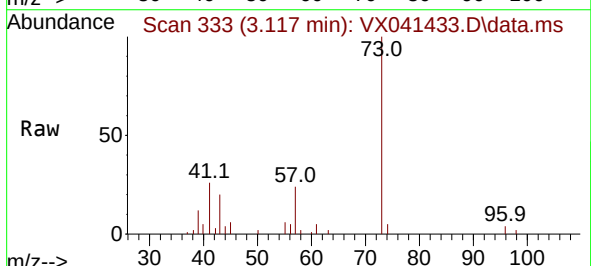
Delta R.T. 0.000 min

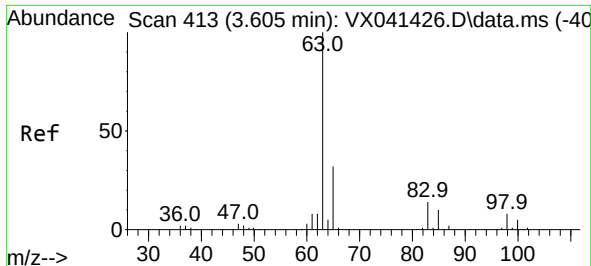
Lab File: VX041433.D

Acq: 09 May 2024 14:38

Tgt Ion: 73 Resp: 12607

Ion	Ratio	Lower	Upper
73	100		
43	21.5	17.4	26.0
57	21.4	16.7	25.1





#19

1,1-Dichloroethane

Concen: 2.235 ug/L

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2024-03

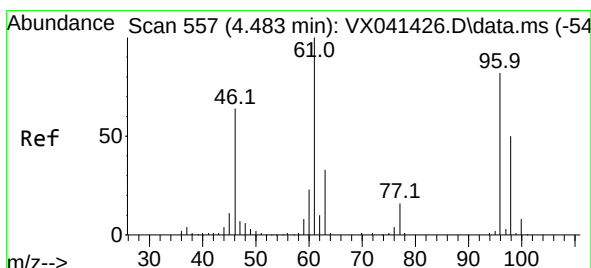
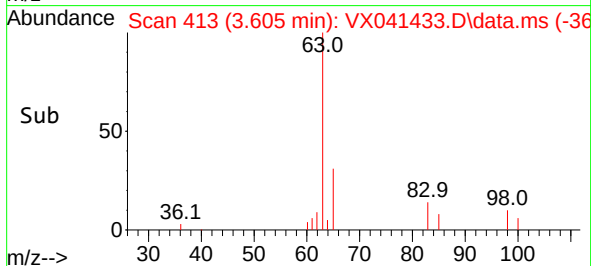
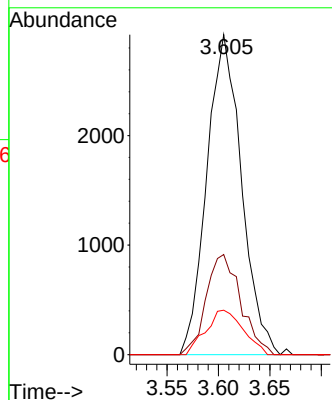
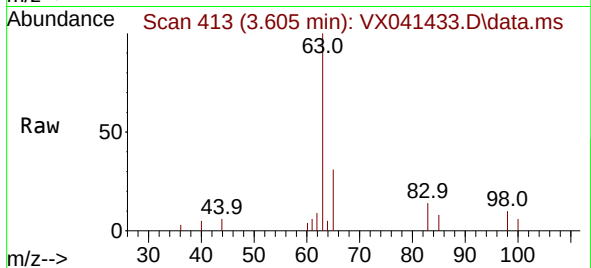
Tgt Ion: 63	Resp: 685
Ion Ratio	Lower Upper
63 100	
65 31.3	22.3 41.5
83 13.9	9.5 17.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#20

cis-1,2-Dichloroethene

Concen: 2.187 ug/L

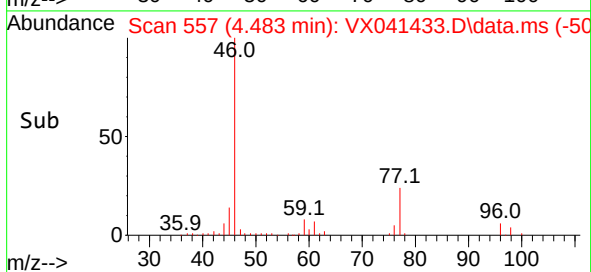
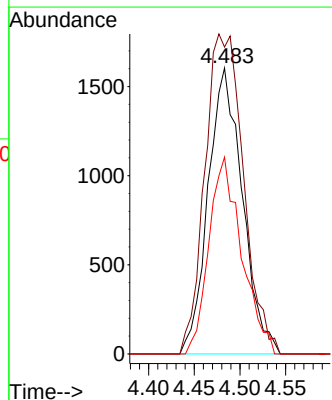
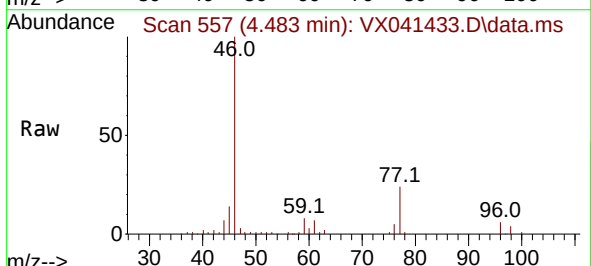
RT: 4.483 min Scan# 557

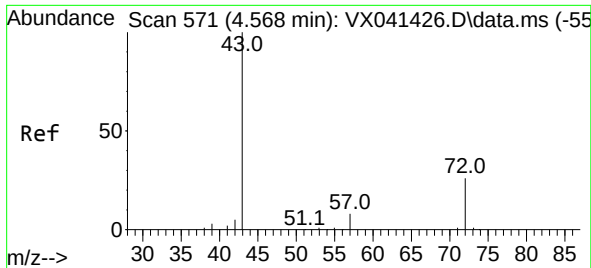
Delta R.T. 0.000 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

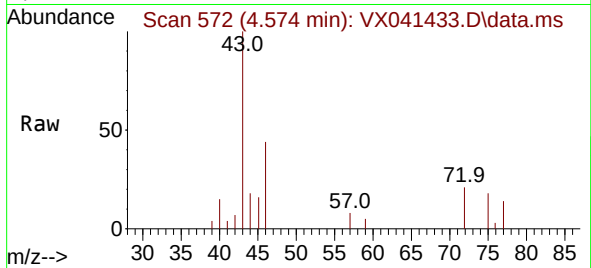
Tgt Ion: 96	Resp: 4180
Ion Ratio	Lower Upper
96 100	
61 107.3	85.5 158.9
98 68.8	43.0 80.0





#22
2-Butanone
Concen: 4.629 ug/L m
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

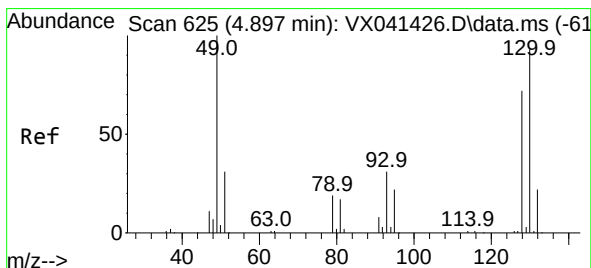
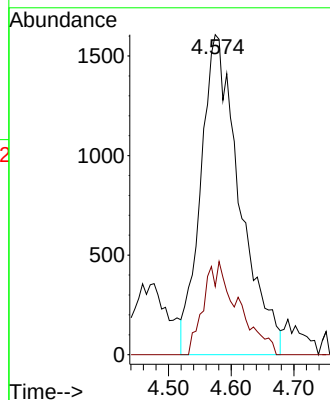
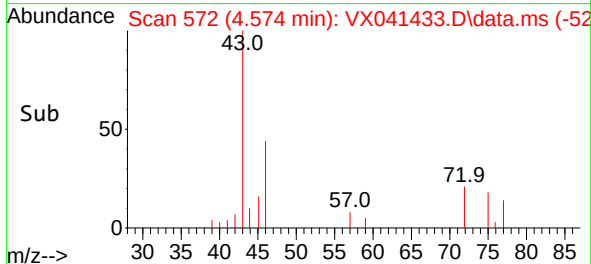
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2024-03



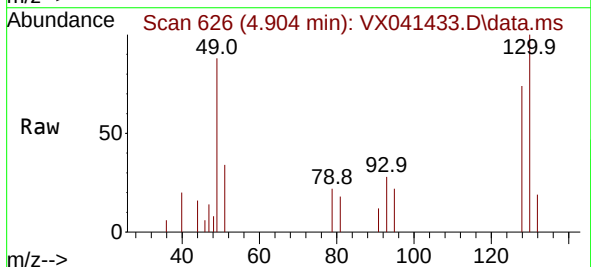
Tgt Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
72 9.6 12.4 37.4

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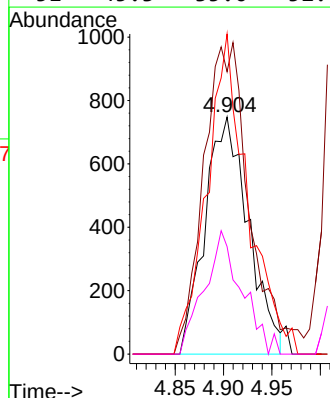
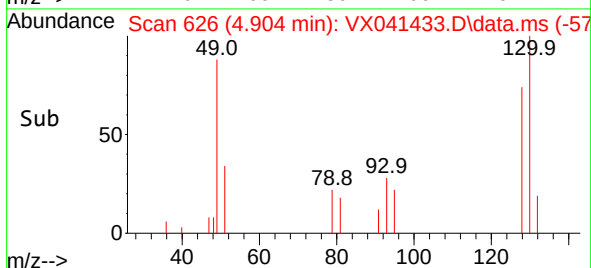
Reviewed By :John Carlone 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

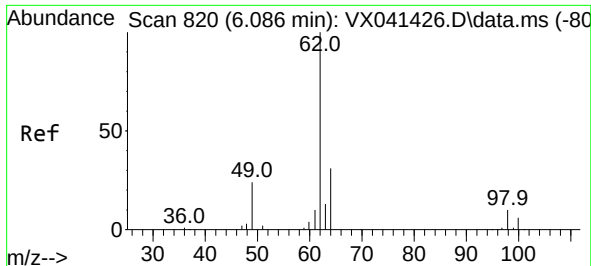


#23
Bromochloromethane
Concen: 2.298 ug/L
RT: 4.904 min Scan# 626
Delta R.T. 0.007 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38



Tgt Ion:128 Resp: 2337
Ion Ratio Lower Upper
128 100
49 119.1 97.7 181.5
130 135.0 90.5 168.1
51 45.3 35.0 52.4





#27

1,2-Dichloroethane

Concen: 2.199 ug/L

RT: 6.092 min Scan# 821

Delta R.T. 0.006 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

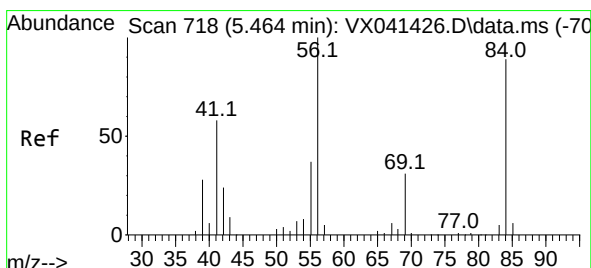
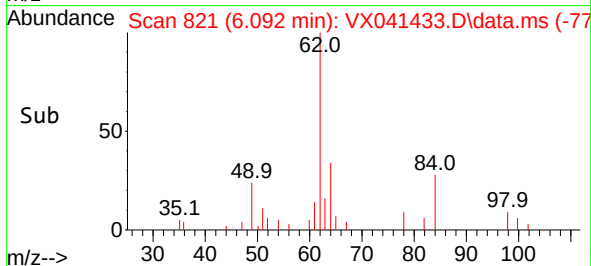
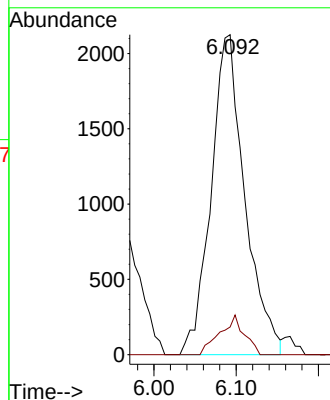
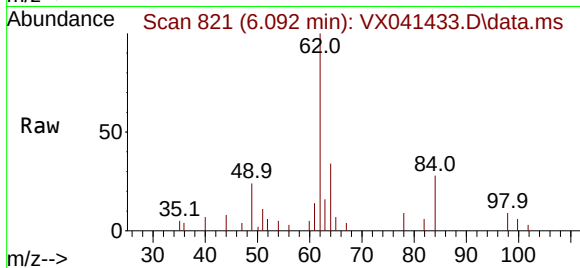
MDL-WATER-QT2-2024-03

Tgt Ion: 62 Resp: 606
 Ion Ratio Lower Upper
 62 100
 98 8.7 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024



#29

Cyclohexane

Concen: 2.181 ug/L

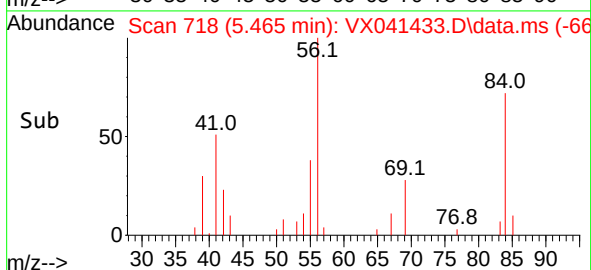
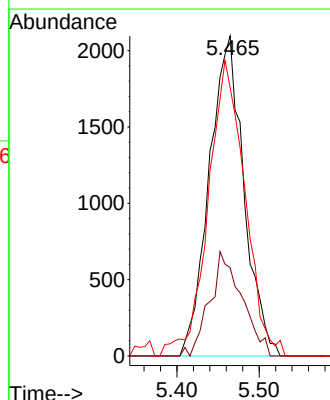
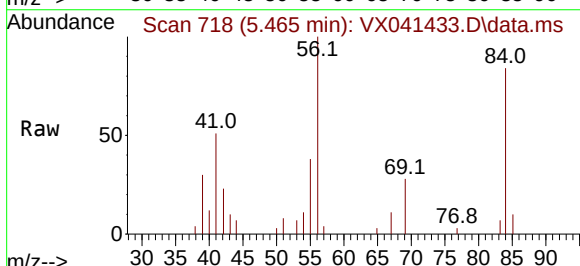
RT: 5.465 min Scan# 718

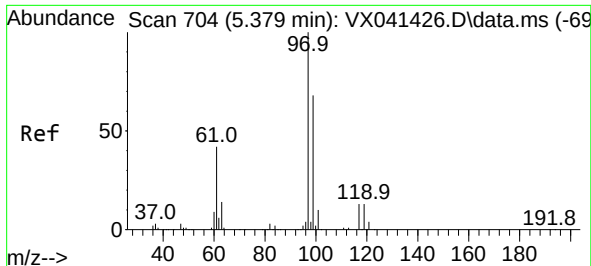
Delta R.T. 0.000 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

Tgt Ion: 56 Resp: 6141
 Ion Ratio Lower Upper
 56 100
 69 24.4 25.0 37.6#
 84 94.1 73.3 109.9





#30

1,1,1-Trichloroethane

Concen: 2.093 ug/L

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX041433.D

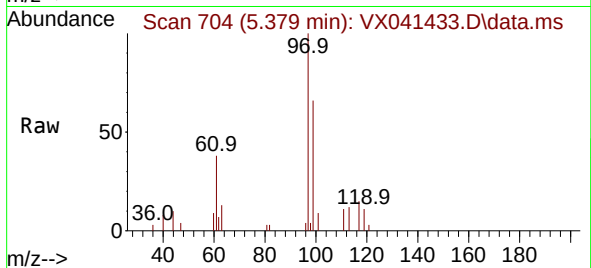
Acq: 09 May 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2024-03



Tgt Ion: 97 Resp: 6230

Ion Ratio Lower Upper

97 100

99 63.5 52.2 78.2

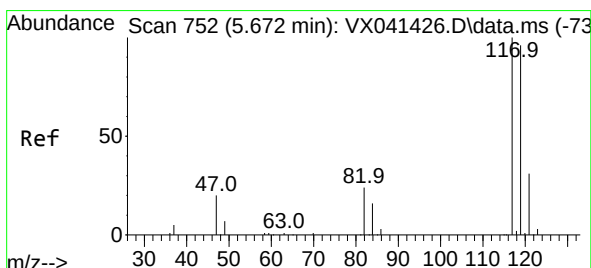
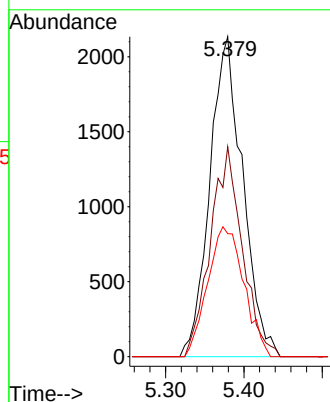
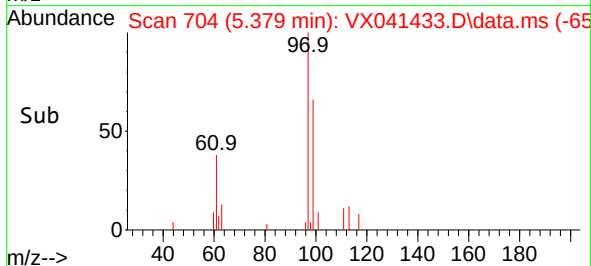
61 44.7 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#31

Carbon tetrachloride

Concen: 2.069 ug/L

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX041433.D

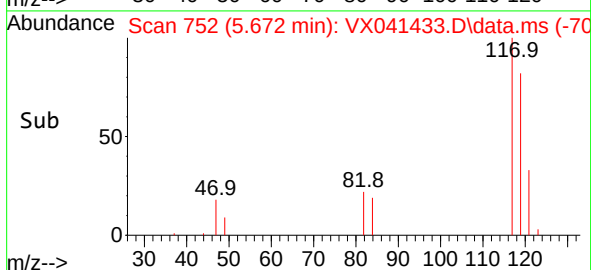
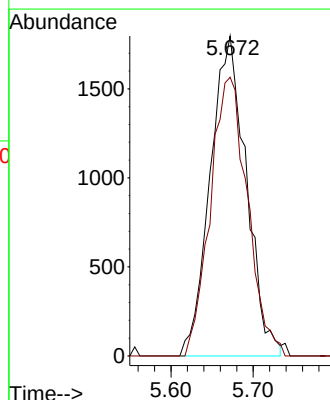
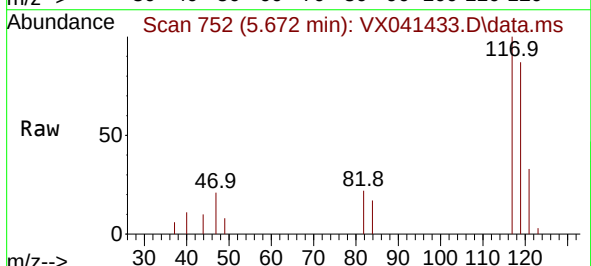
Acq: 09 May 2024 14:38

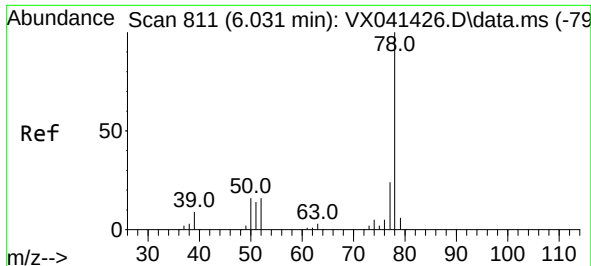
Tgt Ion:117 Resp: 5473

Ion Ratio Lower Upper

117 100

119 89.7 76.3 114.5





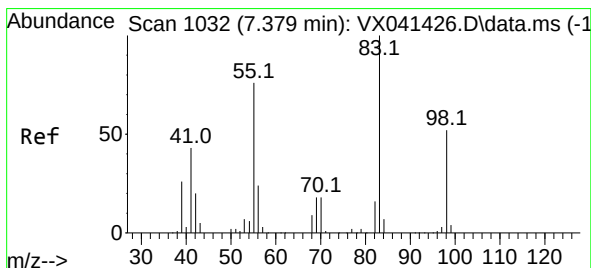
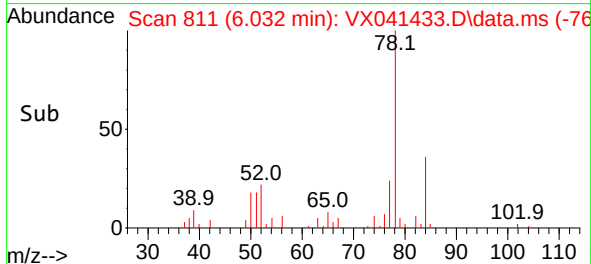
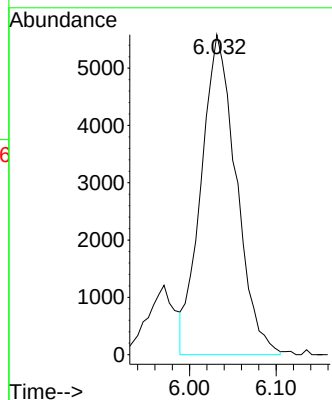
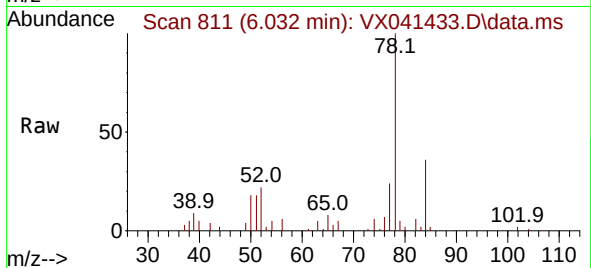
#33
Benzene
Concen: 2.218 ug/L
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2024-03

Tgt Ion: 78 Resp: 1571

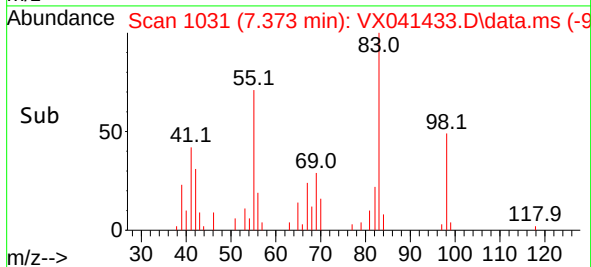
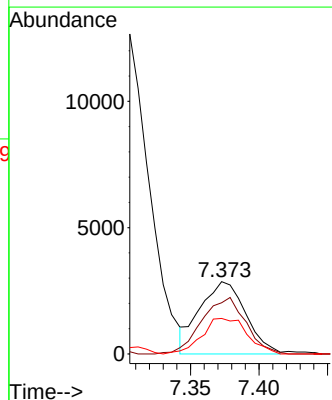
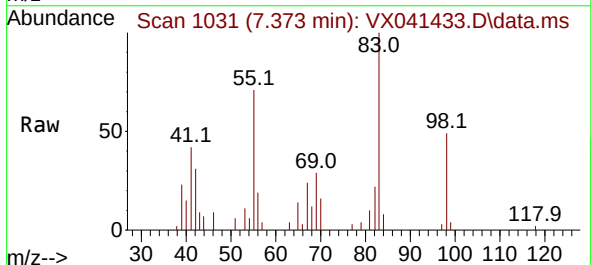
Manual Integrations
APPROVED

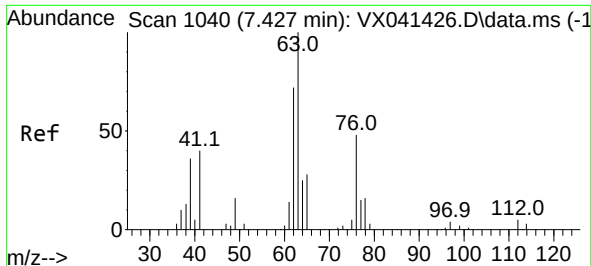
Reviewed By :John Carlone 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#35
Methylcyclohexane
Concen: 2.219 ug/L
RT: 7.373 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

Tgt Ion: 83 Resp: 6672
Ion Ratio Lower Upper
83 100
55 74.7 59.0 88.4
98 32.2 40.8 61.2#





#37

1,2-Dichloropropane

Concen: 2.340 ug/L

RT: 7.428 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2024-03

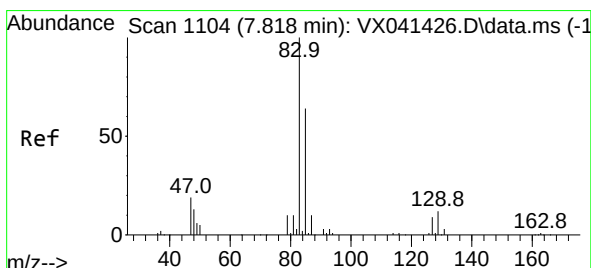
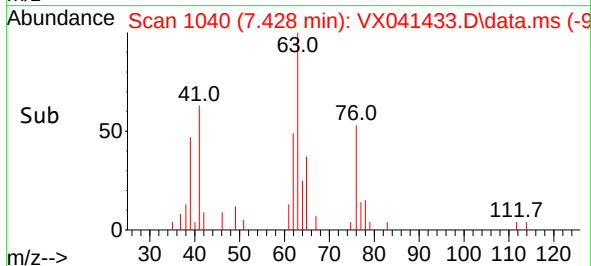
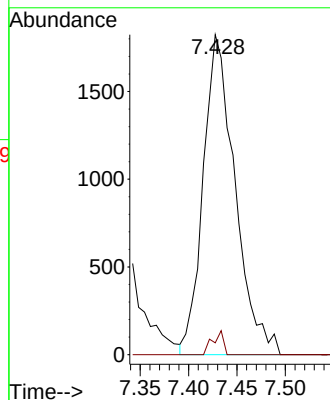
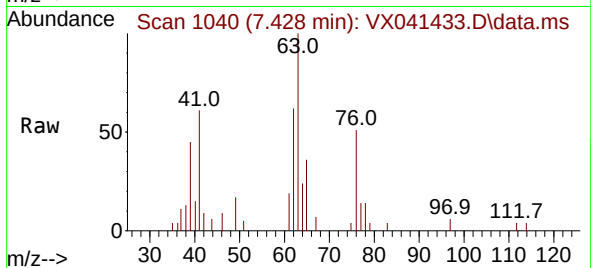
Tgt Ion: 63 Resp: 4175
 Ion Ratio Lower Upper
 63 100
 112 2.6 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#38

Bromodichloromethane

Concen: 1.841 ug/L

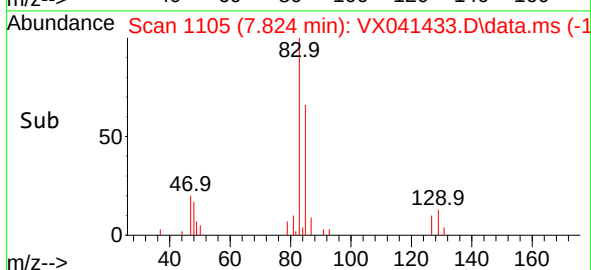
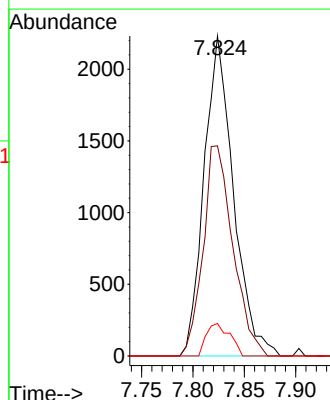
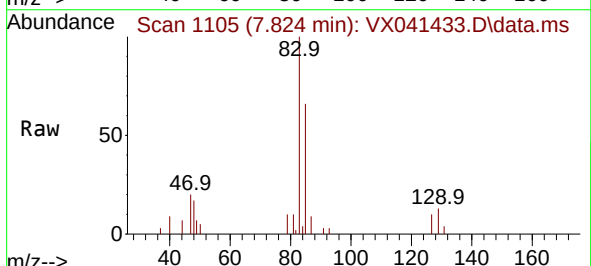
RT: 7.824 min Scan# 1105

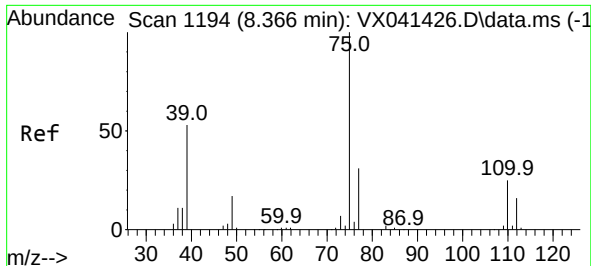
Delta R.T. 0.006 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

Tgt Ion: 83 Resp: 4439
 Ion Ratio Lower Upper
 83 100
 85 65.6 44.7 83.1
 127 10.1 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 2.024 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2024-03

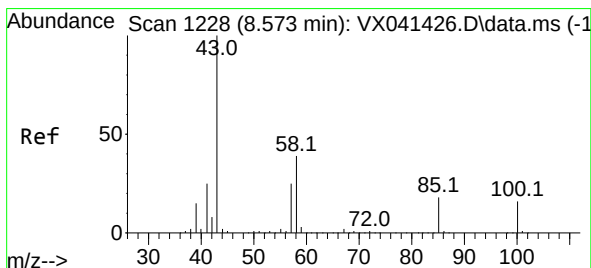
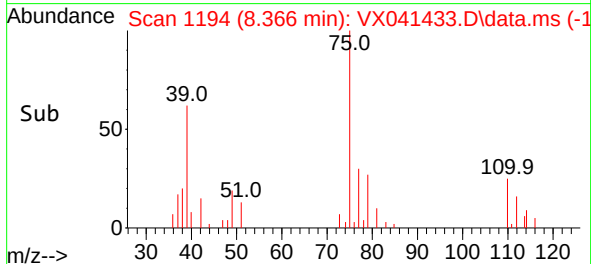
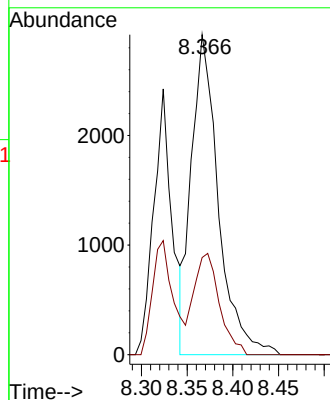
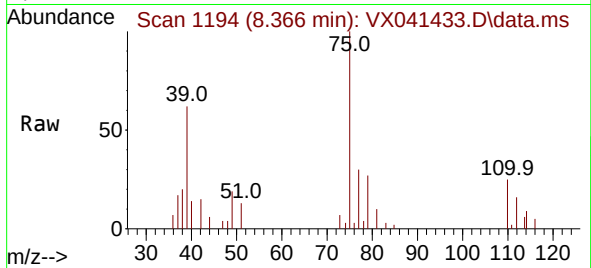
Tgt Ion: 75 Resp: 5979
 Ion Ratio Lower Upper
 75 100
 77 30.4 21.8 40.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#40

4-Methyl-2-pentanone

Concen: 3.825 ug/L

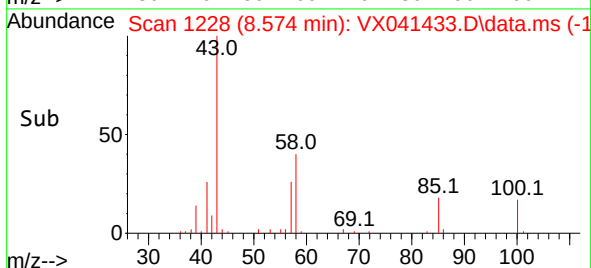
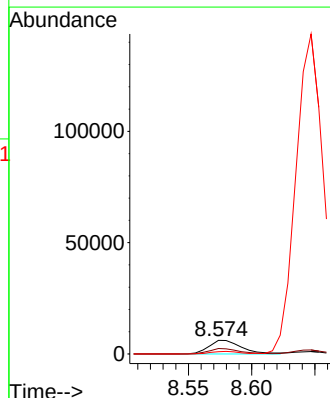
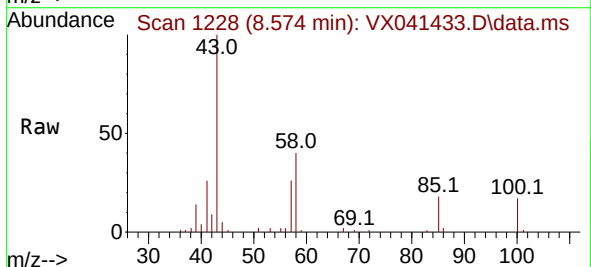
RT: 8.574 min Scan# 1228

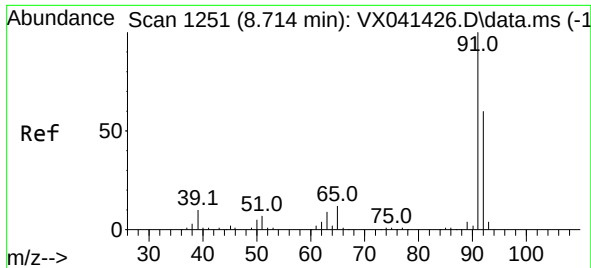
Delta R.T. 0.000 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

Tgt Ion: 43 Resp: 10982
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.9 46.3
 100 17.9 13.6 20.4





#42

Toluene

Concen: 2.159 ug/L

RT: 8.720 min Scan# 1251

Delta R.T. 0.006 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2024-03

Tgt Ion: 91 Resp: 1668

Ion Ratio Lower Upper

91 100

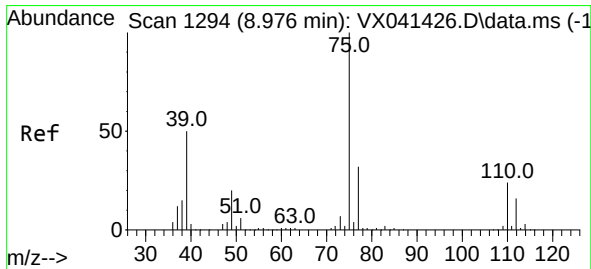
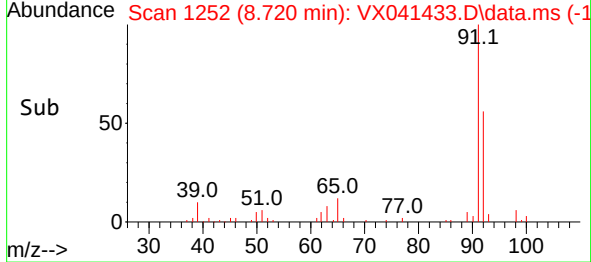
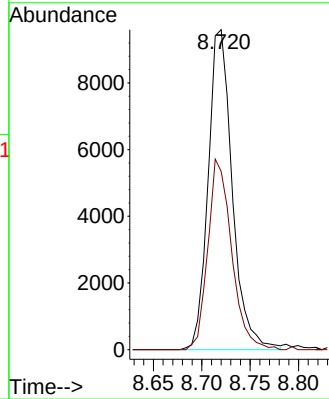
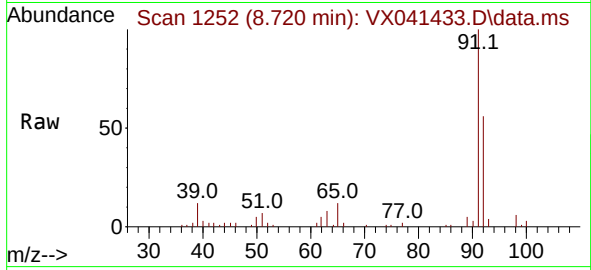
92 55.7 42.4 78.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#44

trans-1,3-Dichloropropene

Concen: 2.065 ug/L

RT: 8.982 min Scan# 1295

Delta R.T. 0.006 min

Lab File: VX041433.D

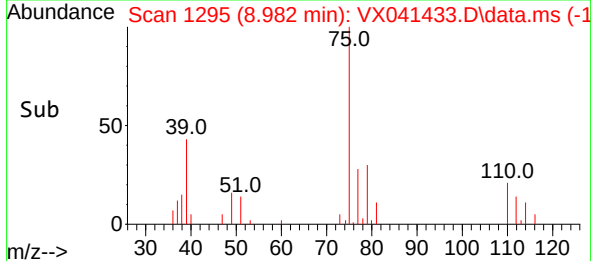
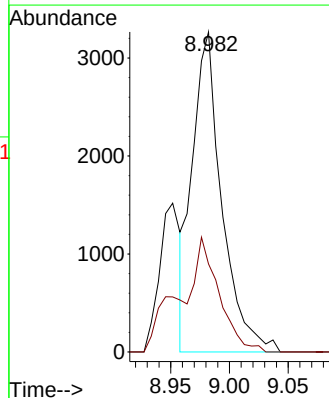
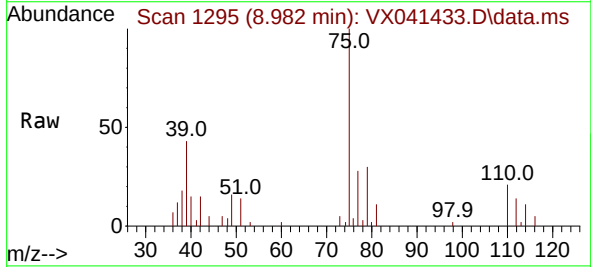
Acq: 09 May 2024 14:38

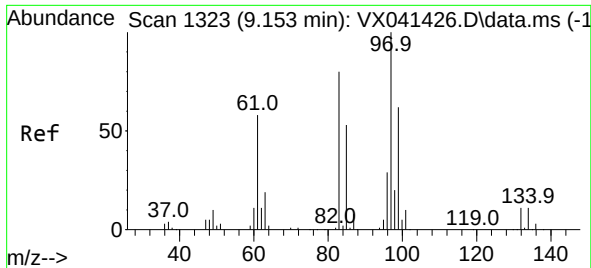
Tgt Ion: 75 Resp: 5689

Ion Ratio Lower Upper

75 100

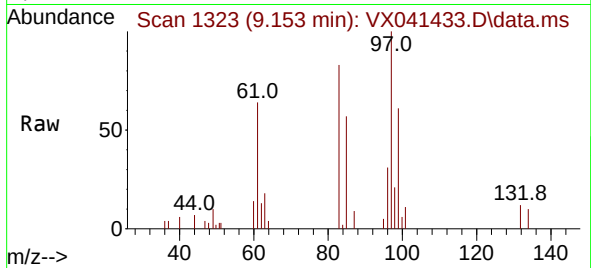
77 27.5 22.3 41.3





#45
1,1,2-Trichloroethane
Concen: 2.100 ug/L
RT: 9.153 min Scan# 111
Delta R.T. 0.000 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

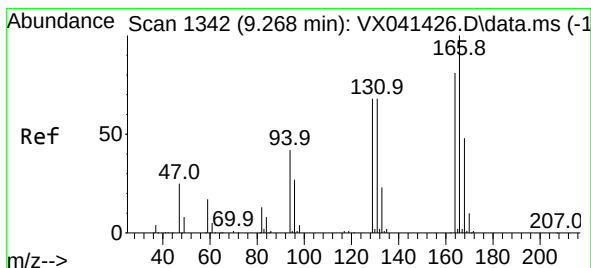
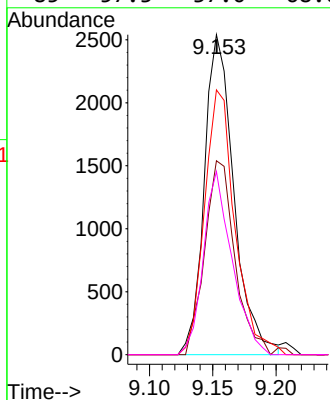
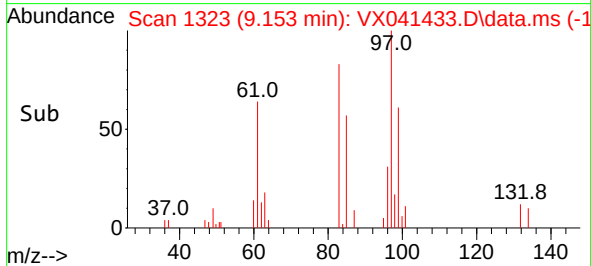
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT2-2024-03



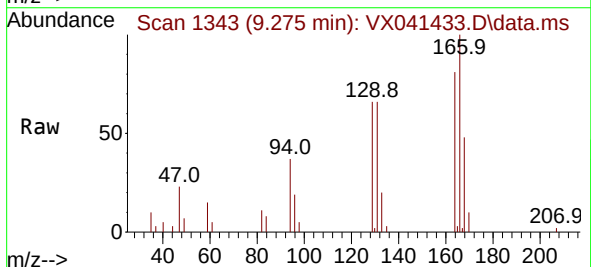
Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.6	43.4	80.6
83	82.8	56.1	104.3
85	57.3	37.0	68.6

Manual Integrations
APPROVED

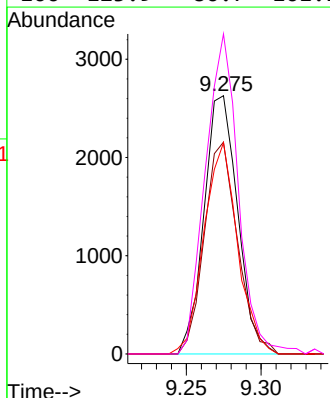
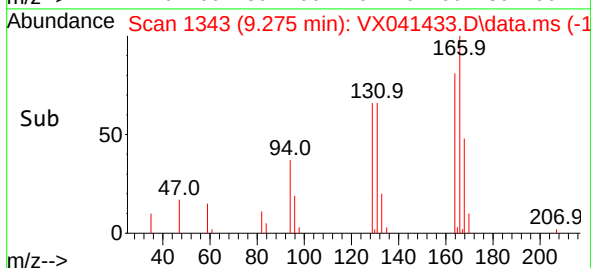
Reviewed By :John Carlone 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

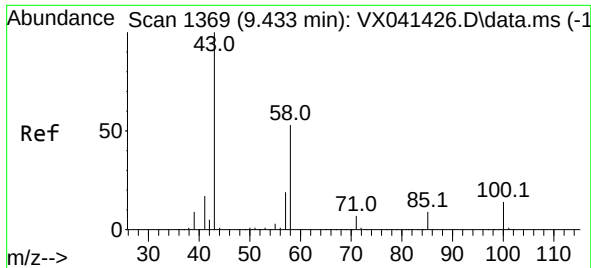


#46
Tetrachloroethene
Concen: 2.214 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38



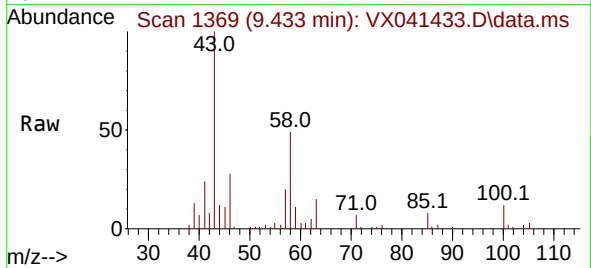
Tgt Ion	Ratio	Lower	Upper
164	100		
129	82.0	59.4	110.4
131	81.8	58.7	108.9
166	123.9	86.7	161.1





#48
2-Hexanone
Concen: 4.446 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

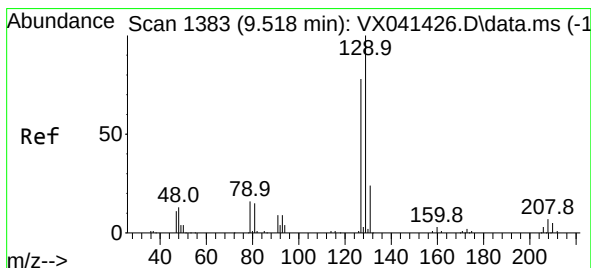
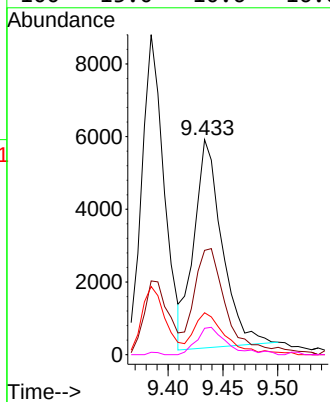
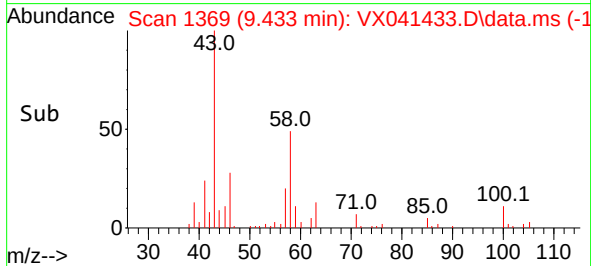
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion: 43 Resp: 10220
Ion Ratio Lower Upper
43 100
58 52.2 42.3 63.5
57 19.4 15.1 22.7
100 13.0 10.6 16.0

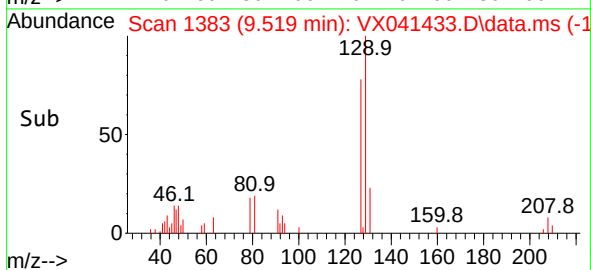
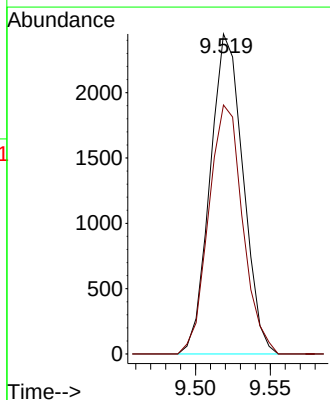
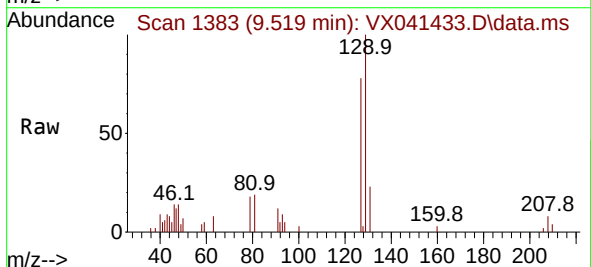
Manual Integrations
APPROVED

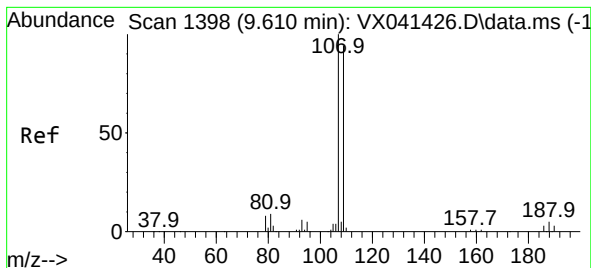
Reviewed By :John Carlone 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#49
Dibromochloromethane
Concen: 1.884 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

Tgt Ion:129 Resp: 3756
Ion Ratio Lower Upper
129 100
127 77.8 54.4 101.0





#50

1,2-Dibromoethane

Concen: 2.119 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX041433.D

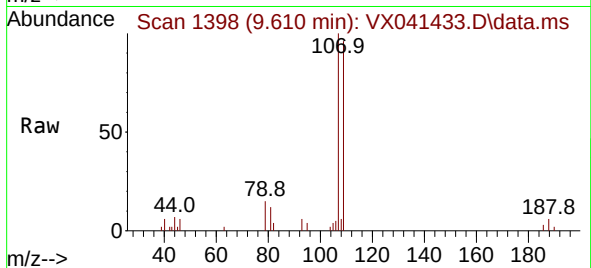
Acq: 09 May 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2024-03



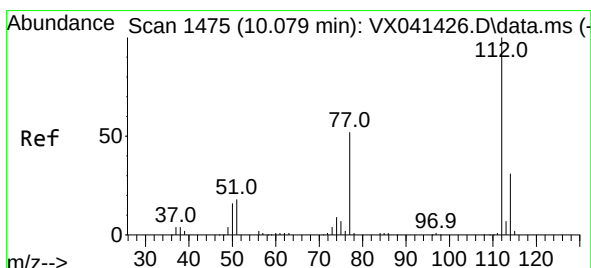
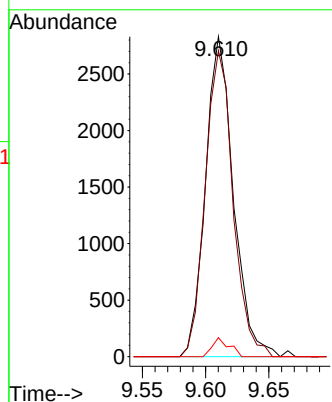
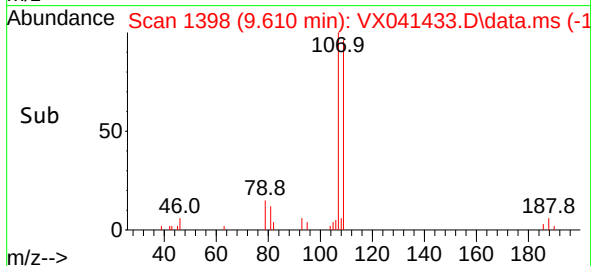
Tgt Ion:	107	Resp:	434
Ion	Ratio	Lower	Upper
107	100		
109	95.6	66.1	122.7
188	5.9	4.0	6.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#51

Chlorobenzene

Concen: 2.271 ug/L

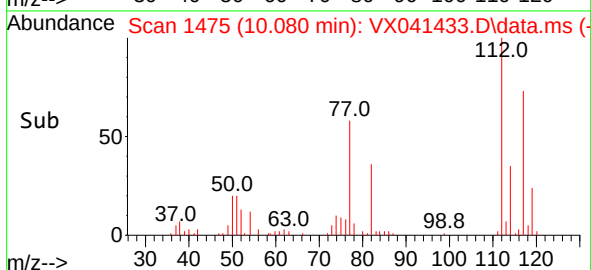
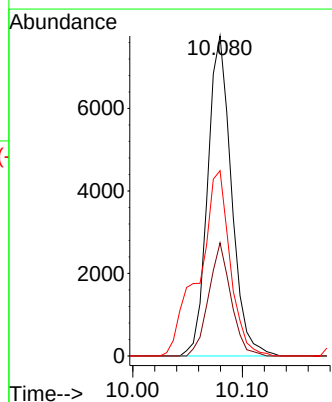
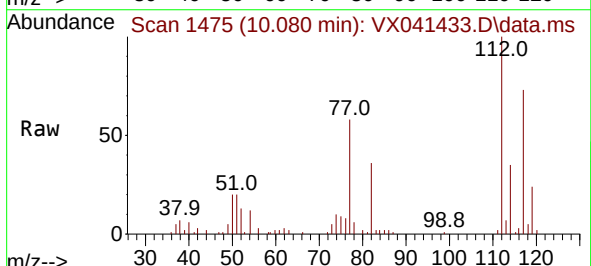
RT: 10.080 min Scan# 1475

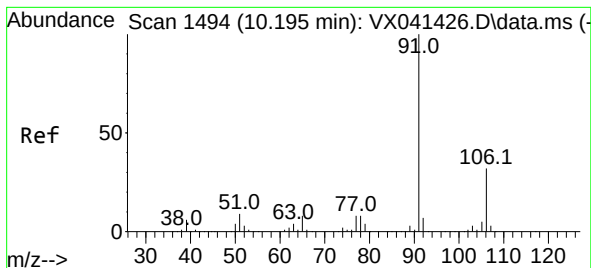
Delta R.T. 0.000 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

Tgt Ion:	112	Resp:	11707
Ion	Ratio	Lower	Upper
112	100		
114	35.3	22.0	41.0
77	57.9	41.7	62.5





#52

Ethylbenzene

Concen: 2.146 ug/L

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2024-03

Tgt Ion: 91 Resp: 18198

Ion Ratio Lower Upper

91 100

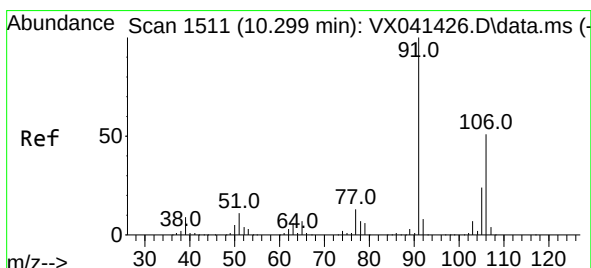
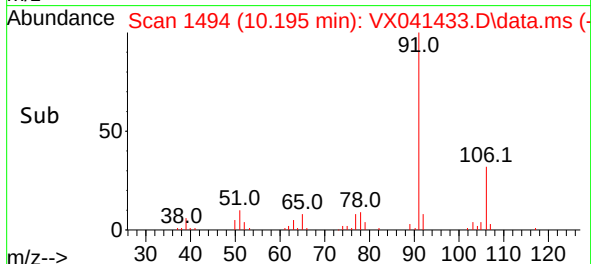
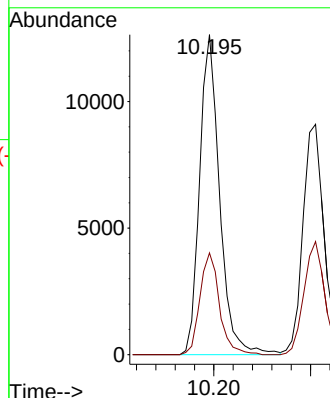
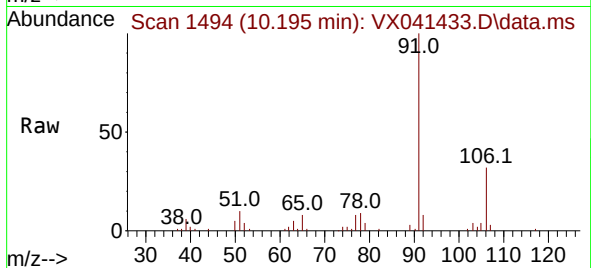
106 31.8 22.2 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#53

m,p-Xylene

Concen: 2.039 ug/L

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX041433.D

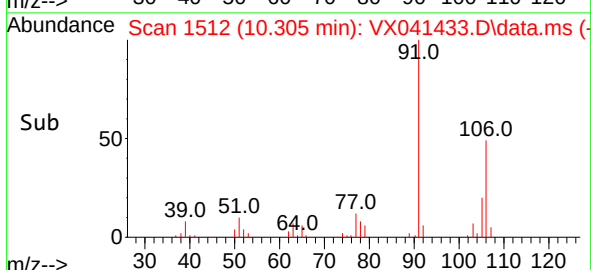
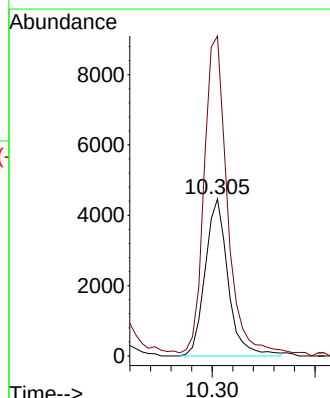
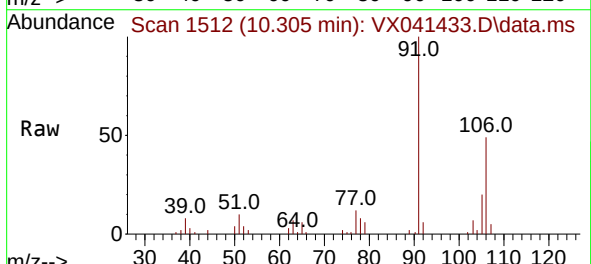
Acq: 09 May 2024 14:38

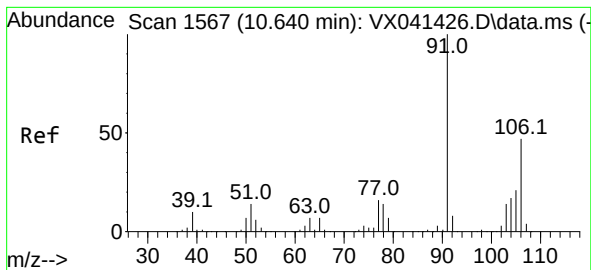
Tgt Ion:106 Resp: 6918

Ion Ratio Lower Upper

106 100

91 203.6 138.1 256.5





#54

o-Xylene

Concen: 1.903 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2024-03

Tgt Ion:106 Resp: 6579

Ion Ratio Lower Upper

106 100

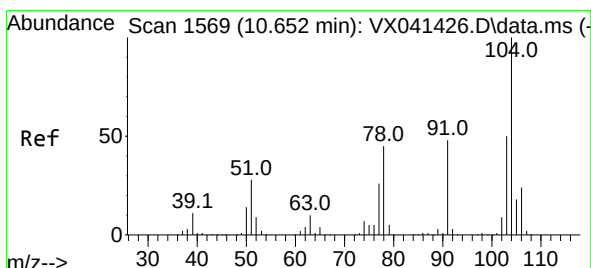
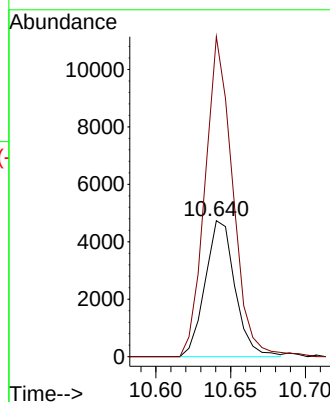
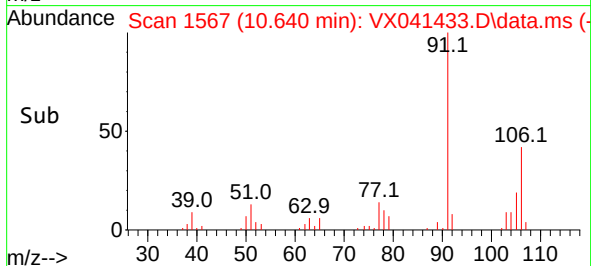
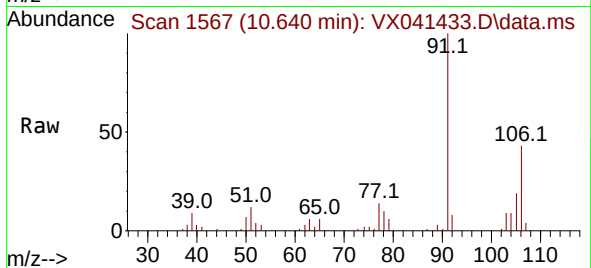
91 235.3 148.4 275.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#55

Styrene

Concen: 1.950 ug/L m

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX041433.D

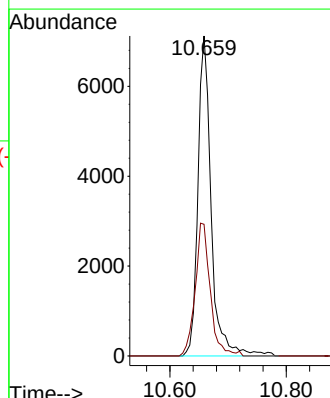
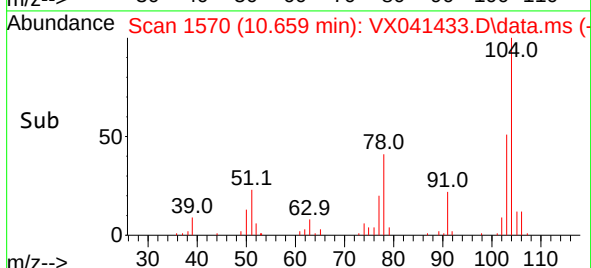
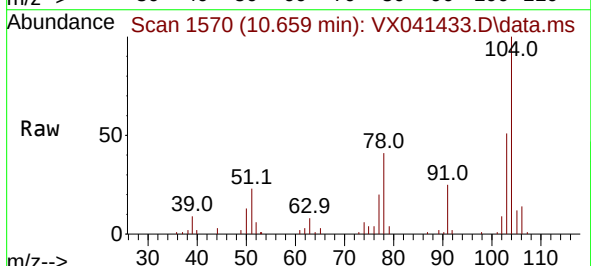
Acq: 09 May 2024 14:38

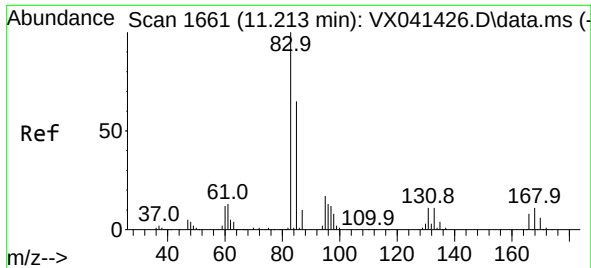
Tgt Ion:104 Resp: 11258

Ion Ratio Lower Upper

104 100

78 41.1 31.2 58.0





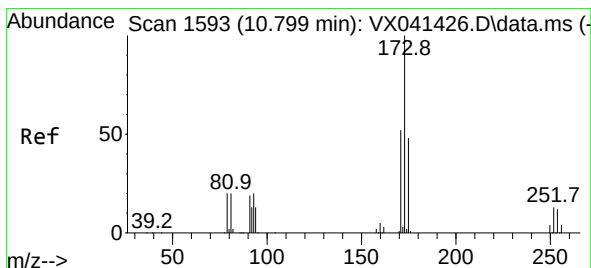
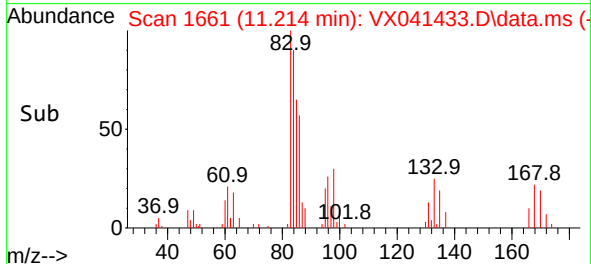
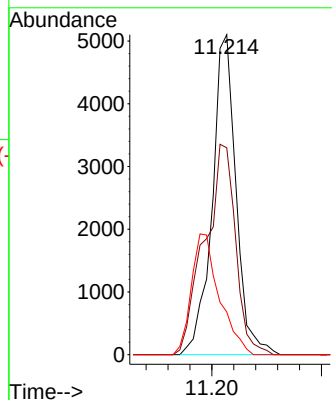
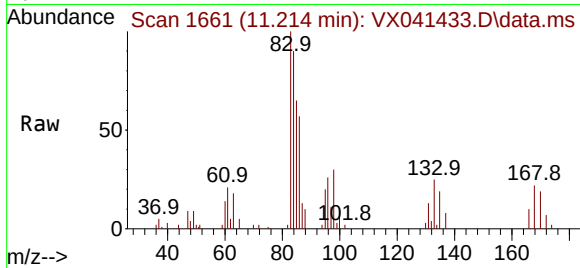
#57
1,1,2,2-Tetrachloroethane
Concen: 2.359 ug/L
RT: 11.214 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT2-2024-03

Tgt Ion: 83 Resp: 772
Ion Ratio Lower Upper
83 100
85 64.7 45.4 84.4
131 13.4 9.0 13.4

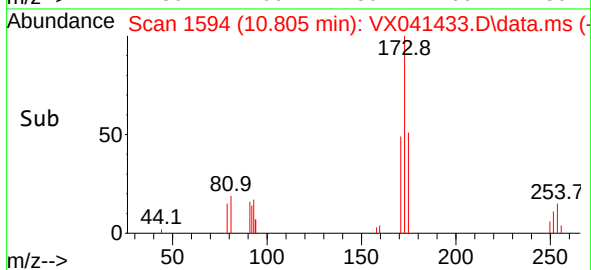
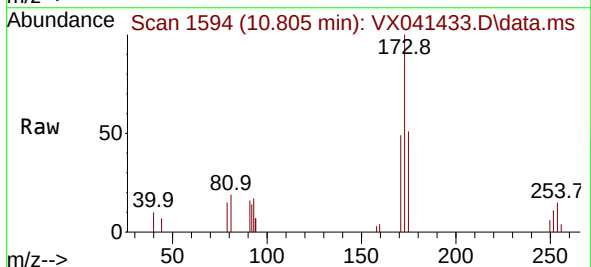
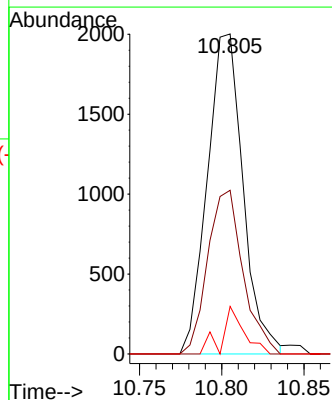
Manual Integrations
APPROVED

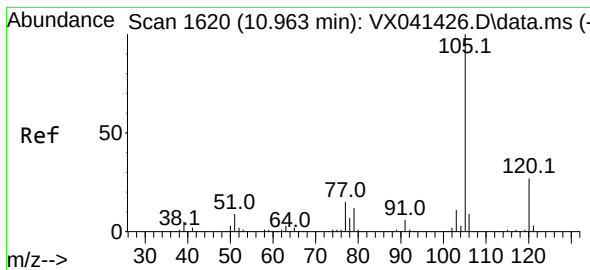
Reviewed By :John Carlone 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#59
Bromoform
Concen: 1.946 ug/L
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

Tgt Ion:173 Resp: 3021
Ion Ratio Lower Upper
173 100
175 50.6 38.6 58.0
254 7.4 10.0 15.0#





#60

Isopropylbenzene

Concen: 2.246 ug/L

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2024-03

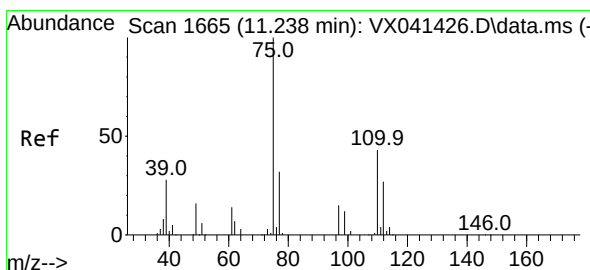
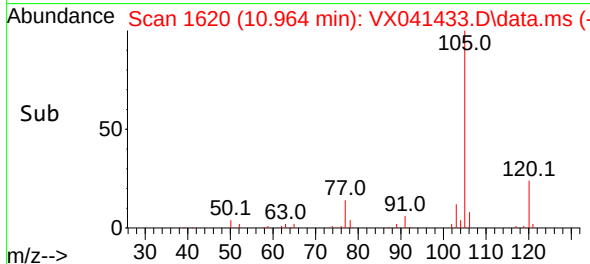
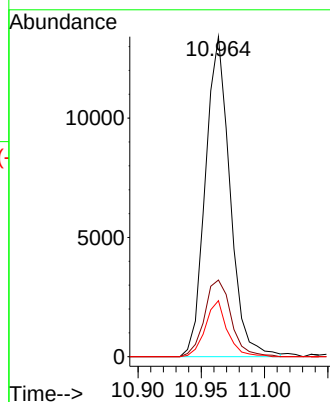
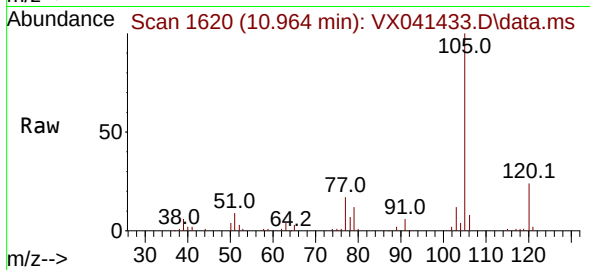
Tgt Ion:	105	Resp:	1817
Ion Ratio	Lower	Upper	
105	100		
120	26.0	22.0	33.0
77	15.7	12.1	18.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#61

1,2,3-Trichloropropane

Concen: 2.561 ug/L

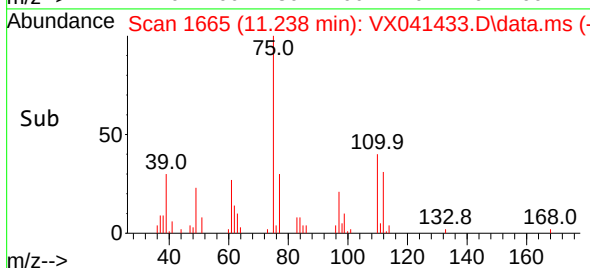
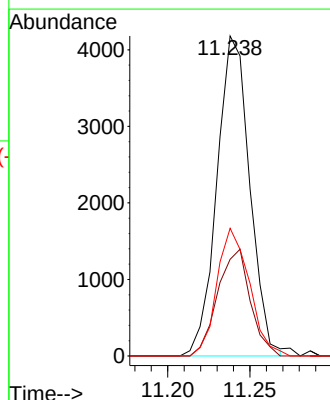
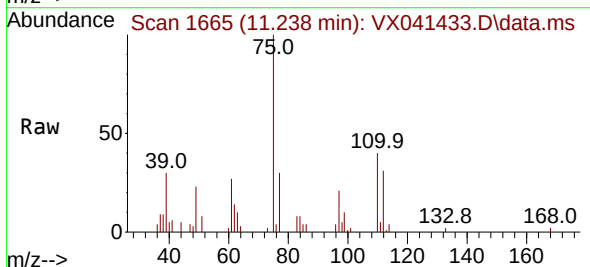
RT: 11.238 min Scan# 1665

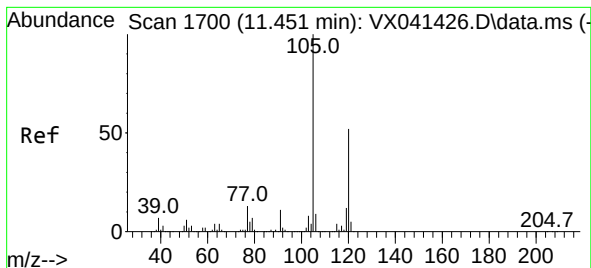
Delta R.T. 0.000 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

Tgt Ion:	75	Resp:	5807
Ion Ratio	Lower	Upper	
75	100		
77	33.1	25.8	38.6
110	39.5	34.8	52.2





#62

1,3,5-Trimethylbenzene

Concen: 2.108 ug/L

RT: 11.451 min Scan# 11528

Delta R.T. 0.000 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2024-03

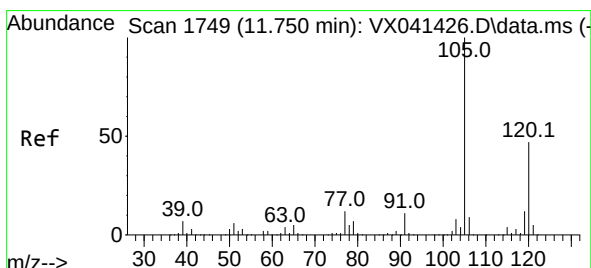
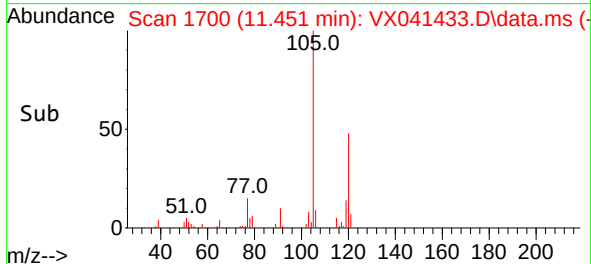
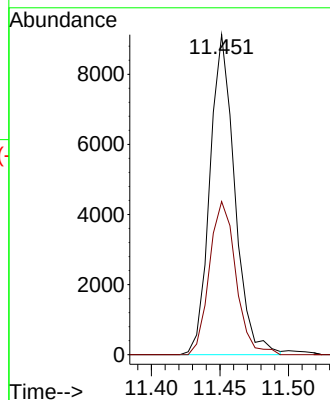
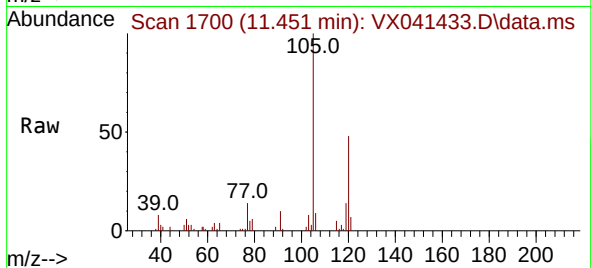
Tgt Ion:105 Resp: 11528
Ion Ratio Lower Upper
105 100
120 50.5 40.6 61.0

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Supervised By :Mahesh Dadoda 05/10/2024



#63

1,2,4-Trimethylbenzene

Concen: 2.012 ug/L

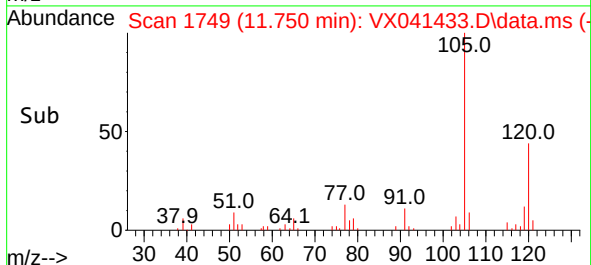
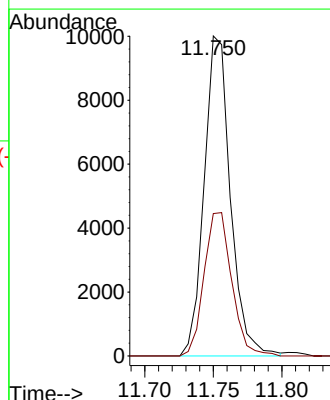
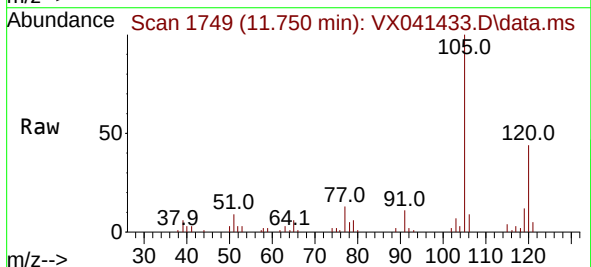
RT: 11.750 min Scan# 1749

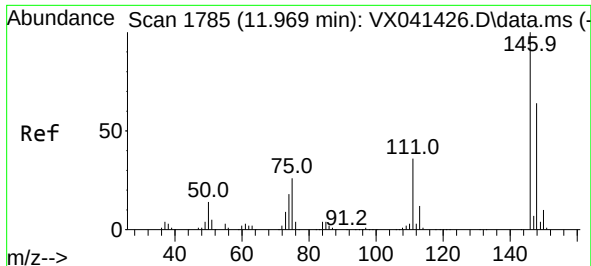
Delta R.T. 0.000 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

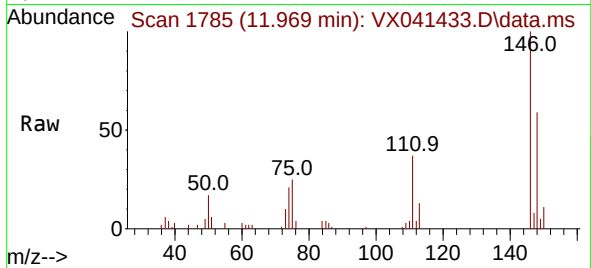
Tgt Ion:105 Resp: 13326
Ion Ratio Lower Upper
105 100
120 47.3 37.9 56.9





#64
1,3-Dichlorobenzene
Concen: 2.281 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

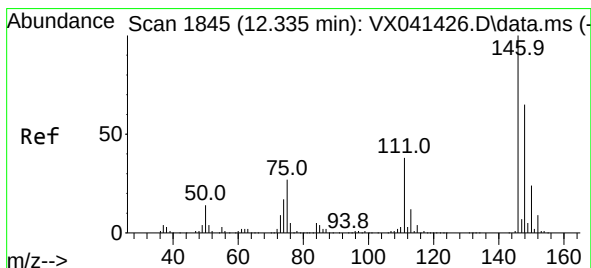
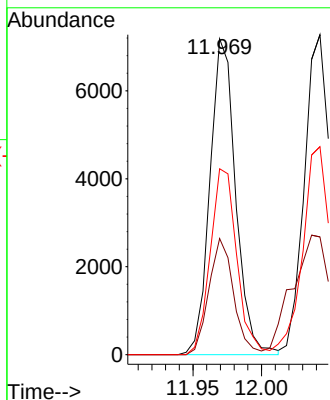
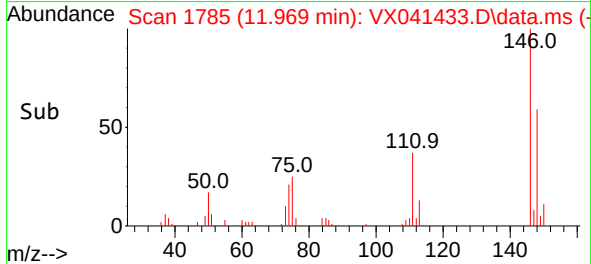
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2024-03



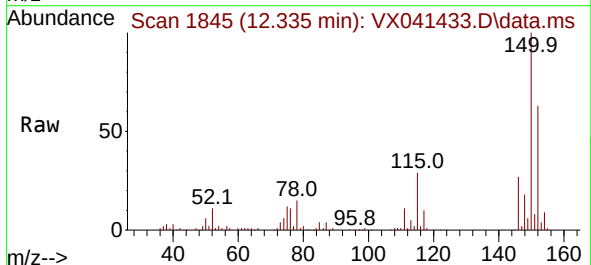
Tgt Ion:146 Resp: 939
Ion Ratio Lower Upper
146 100
111 36.8 24.8 46.1
148 58.9 44.8 83.2

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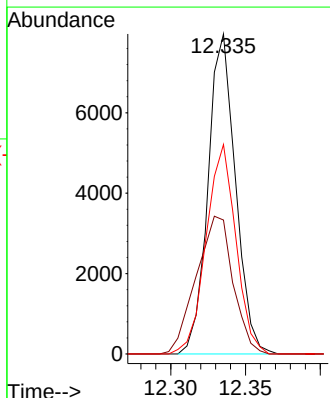
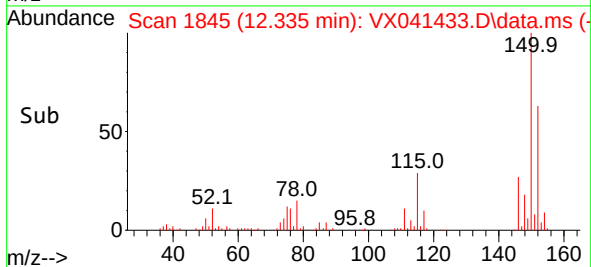
Reviewed By :John Carlone 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

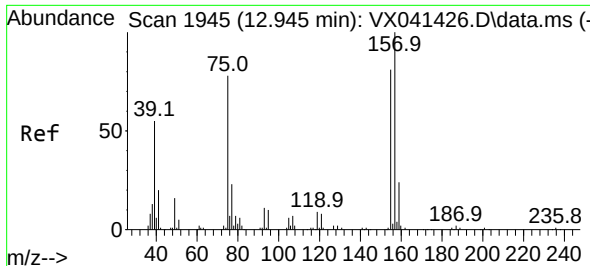


#67
1,2-Dichlorobenzene
Concen: 2.387 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38



Tgt Ion:146 Resp: 10175
Ion Ratio Lower Upper
146 100
111 41.8 30.2 45.2
148 65.5 52.3 78.5





#68

1,2-Dibromo-3-chloropropane

Concen: 2.095 ug/L

RT: 12.945 min Scan# 1945

Delta R.T. 0.000 min

Lab File: VX041433.D

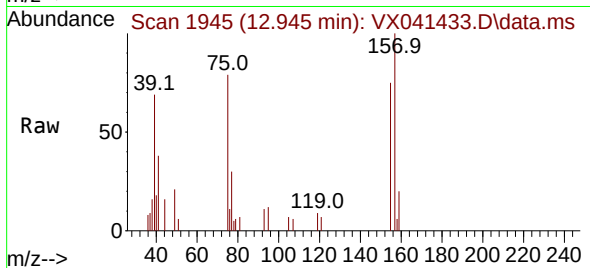
Acq: 09 May 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2024-03



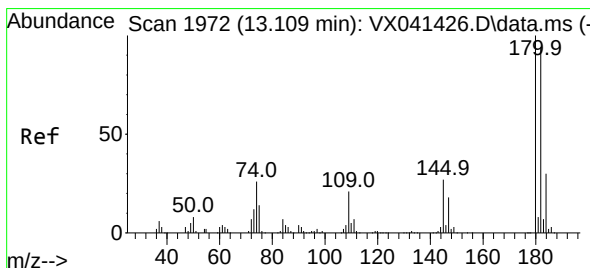
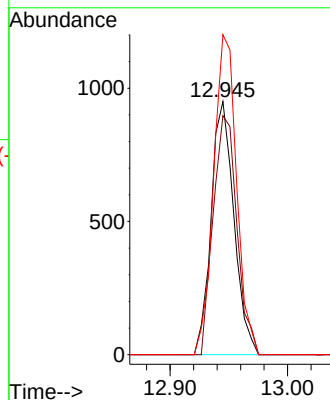
Tgt Ion:	75	Resp:	1278
Ion Ratio	100	Lower	Upper
75	100		
155	94.4	83.2	124.8
157	126.4	103.0	154.6

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Reviewed By :John Carlone 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#69

1,3,5-Trichlorobenzene

Concen: 2.157 ug/L

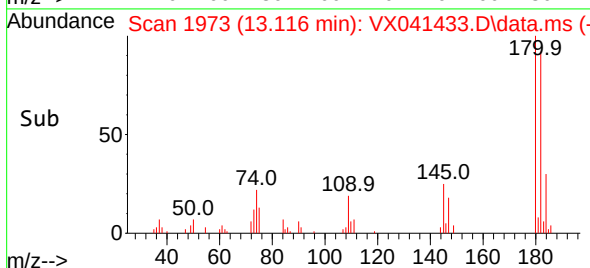
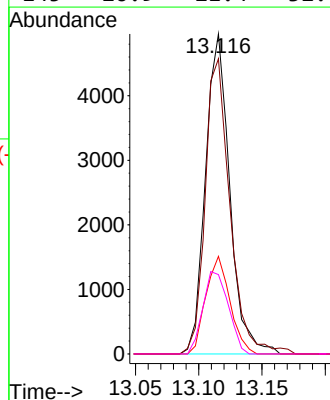
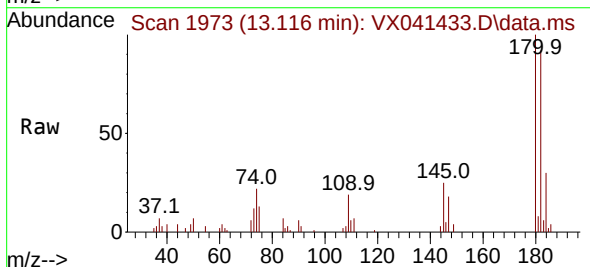
RT: 13.116 min Scan# 1973

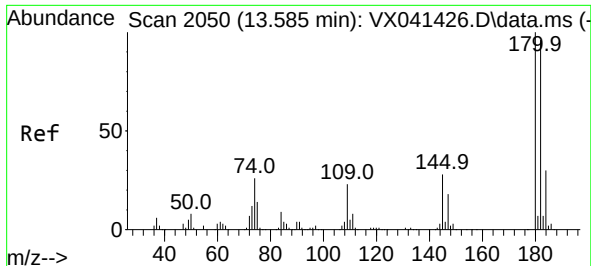
Delta R.T. 0.006 min

Lab File: VX041433.D

Acq: 09 May 2024 14:38

Tgt Ion:	180	Resp:	6628
Ion Ratio	100	Lower	Upper
180	100		
182	93.4	76.9	115.3
184	30.4	24.3	36.5
145	26.9	21.4	32.0





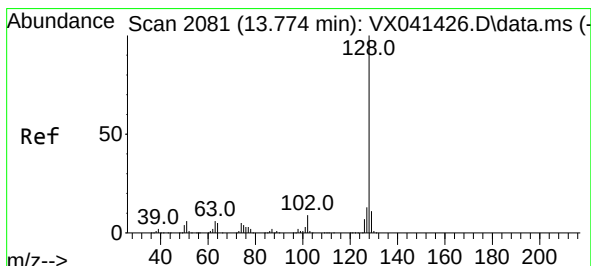
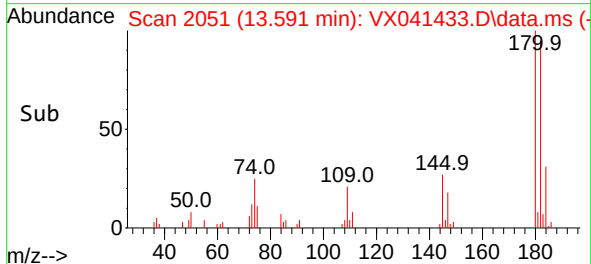
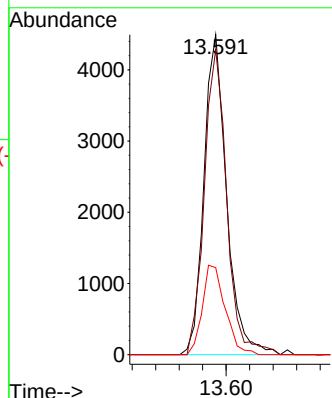
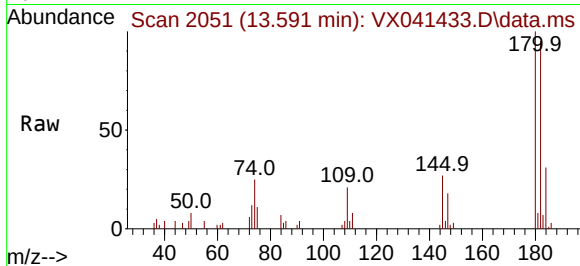
#70
1,2,4-trichlorobenzene
Concen: 2.138 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2024-03

Tgt Ion:180 Resp: 5998
Ion Ratio Lower Upper
180 100
182 94.7 76.3 114.5
145 28.2 22.0 33.0

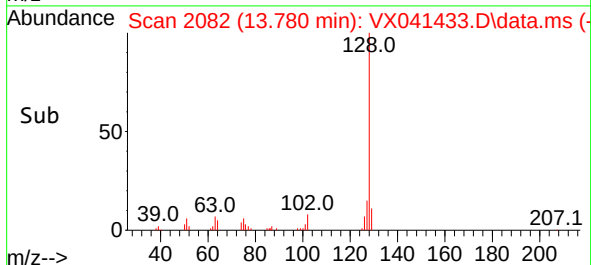
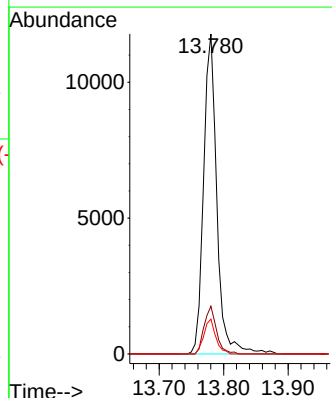
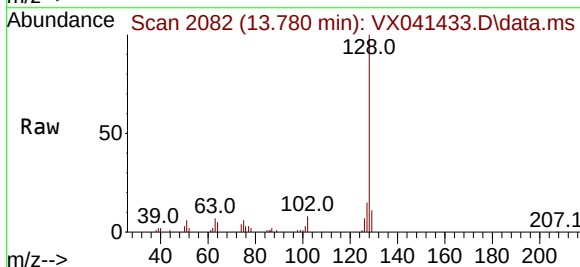
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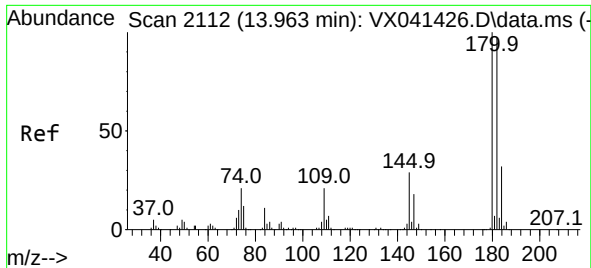
Reviewed By :John Carlone 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#71
Naphthalene
Concen: 2.014 ug/L m
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

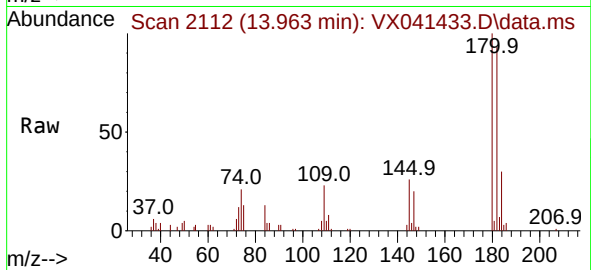
Tgt Ion:128 Resp: 16872
Ion Ratio Lower Upper
128 100
127 13.8 10.6 15.8
129 9.8 8.8 13.2





#72
1,2,3-Trichlorobenzene
Concen: 2.075 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX041433.D
Acq: 09 May 2024 14:38

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT2-2024-03



Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.9	77.5	116.3
145	28.4	23.8	35.8

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Supervised By :Mahesh Dadoda 05/10/2024

