

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030824\
 Data File : VX040616.D
 Acq On : 07 Mar 2024 12:28
 Operator : JC/MD
 Sample : P1601-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2024-02

Quant Time: Mar 08 01:40:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML030724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 01:27:40 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 03/08/2024
 Supervised By :Semsettin Yesilyurt 03/11/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	158129	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	146611	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	65458	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	63166	45.570	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.140%		
7) Chloroethane-d5	1.666	69	50962	46.051	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.100%		
11) 1,1-Dichloroethene-d2	2.300	65	29274	45.878	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.760%		
21) 2-Butanone-d5	4.446	46	105272	98.969	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.970%		
24) Chloroform-d	5.050	84	120601	46.850	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.700%		
26) 1,2-Dichloroethane-d4	5.952	65	91263	47.487	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.980%		
32) Benzene-d6	5.970	84	226905	50.446	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.900%		
36) 1,2-Dichloropropane-d6	7.305	67	71130	51.024	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.040%		
41) Toluene-d8	8.647	98	205247	47.349	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.700%		
43) trans-1,3-Dichloroprop...	8.945	79	35985	48.500	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.000%		
47) 2-Hexanone-d5	9.378	63	76819	99.869	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.870%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	104038	49.846	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.700%		
66) 1,2-Dichlorobenzene-d4	12.317	152	70563	51.469	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3209m	2.274	ug/L	
3) Chloromethane	1.300	50	2726	2.222	ug/L	89
5) Vinyl chloride	1.374	62	3172	2.390	ug/L #	80
6) Bromomethane	1.611	94	1795	2.547	ug/L	91
8) Chloroethane	1.685	64	1732m	2.276	ug/L	
9) Trichlorofluoromethane	1.886	101	4264	2.309	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	3290	3.003	ug/L #	82
12) 1,1-Dichloroethene	2.319	96	2990	3.102	ug/L #	1
13) Acetone	2.380	43	3467	4.564	ug/L	92
14) Carbon disulfide	2.508	76	6042	2.166	ug/L	99
15) Methyl Acetate	2.703	43	2590	2.020	ug/L #	89
16) Methylene chloride	2.788	84	2375	2.237	ug/L	88
17) trans-1,2-Dichloroethene	3.087	96	2221	2.245	ug/L	80
18) Methyl tert-butyl Ether	3.117	73	7590	2.218	ug/L	97
19) 1,1-Dichloroethane	3.611	63	4262	2.217	ug/L #	86
20) cis-1,2-Dichloroethene	4.477	96	2373	2.139	ug/L	78
22) 2-Butanone	4.556	43	4310m	4.285	ug/L	
23) Bromochloromethane	4.897	128	1395	2.465	ug/L #	63
25) Chloroform	5.086	83	8930	4.116	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.074	62	4348	2.280	ug/L	98
29) Cyclohexane	5.477	56	4070m	2.526	ug/L	
30) 1,1,1-Trichloroethane	5.379	97	4055	2.221	ug/L	98
31) Carbon tetrachloride	5.672	117	3294	2.149	ug/L	95
33) Benzene	6.031	78	9026	2.292	ug/L	100
35) Methylcyclohexane	7.379	83	4483	2.638	ug/L	96
37) 1,2-Dichloropropane	7.427	63	2676	2.566	ug/L #	88
38) Bromodichloromethane	7.824	83	3423	2.220	ug/L #	96
39) cis-1,3-Dichloropropene	8.360	75	3914	2.230	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	7240	4.050	ug/L	96
42) Toluene	8.720	91	10082	2.333	ug/L	94
44) trans-1,3-Dichloropropene	8.982	75	3836	2.243	ug/L	100
45) 1,1,2-Trichloroethane	9.153	97	2350	2.183	ug/L	94
46) Tetrachloroethene	9.275	164	2010	2.408	ug/L	93
48) 2-Hexanone	9.427	43	7032	4.748	ug/L	97
49) Dibromochloromethane	9.525	129	2273	2.021	ug/L	99
50) 1,2-Dibromoethane	9.604	107	2464	2.129	ug/L #	87
51) Chlorobenzene	10.079	112	6282	2.244	ug/L	93
52) Ethylbenzene	10.195	91	11206	2.207	ug/L	100
53) m,p-Xylene	10.305	106	4042	2.190	ug/L	90
54) o-Xylene	10.640	106	3792	2.140	ug/L	90
55) Styrene	10.659	104	5786	1.874	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	4259	2.401	ug/L	85
59) Bromoform	10.799	173	1754	2.310	ug/L #	94
60) Isopropylbenzene	10.963	105	10926	2.486	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	3036	2.327	ug/L	95
62) 1,3,5-Trimethylbenzene	11.451	105	7735	2.123	ug/L	93
63) 1,2,4-Trimethylbenzene	11.750	105	7711	2.116	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	4595	2.388	ug/L	94
65) 1,4-Dichlorobenzene	12.042	146	5093	2.603	ug/L	100
67) 1,2-Dichlorobenzene	12.335	146	4484	2.451	ug/L #	84
68) 1,2-Dibromo-3-chloropr...	12.939	75	783m	2.051	ug/L	
69) 1,3,5-Trichlorobenzene	13.115	180	3787	2.932	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	3460	2.889	ug/L	95
71) Naphthalene	13.774	128	8980	2.359	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	3481	2.950	ug/L	97

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

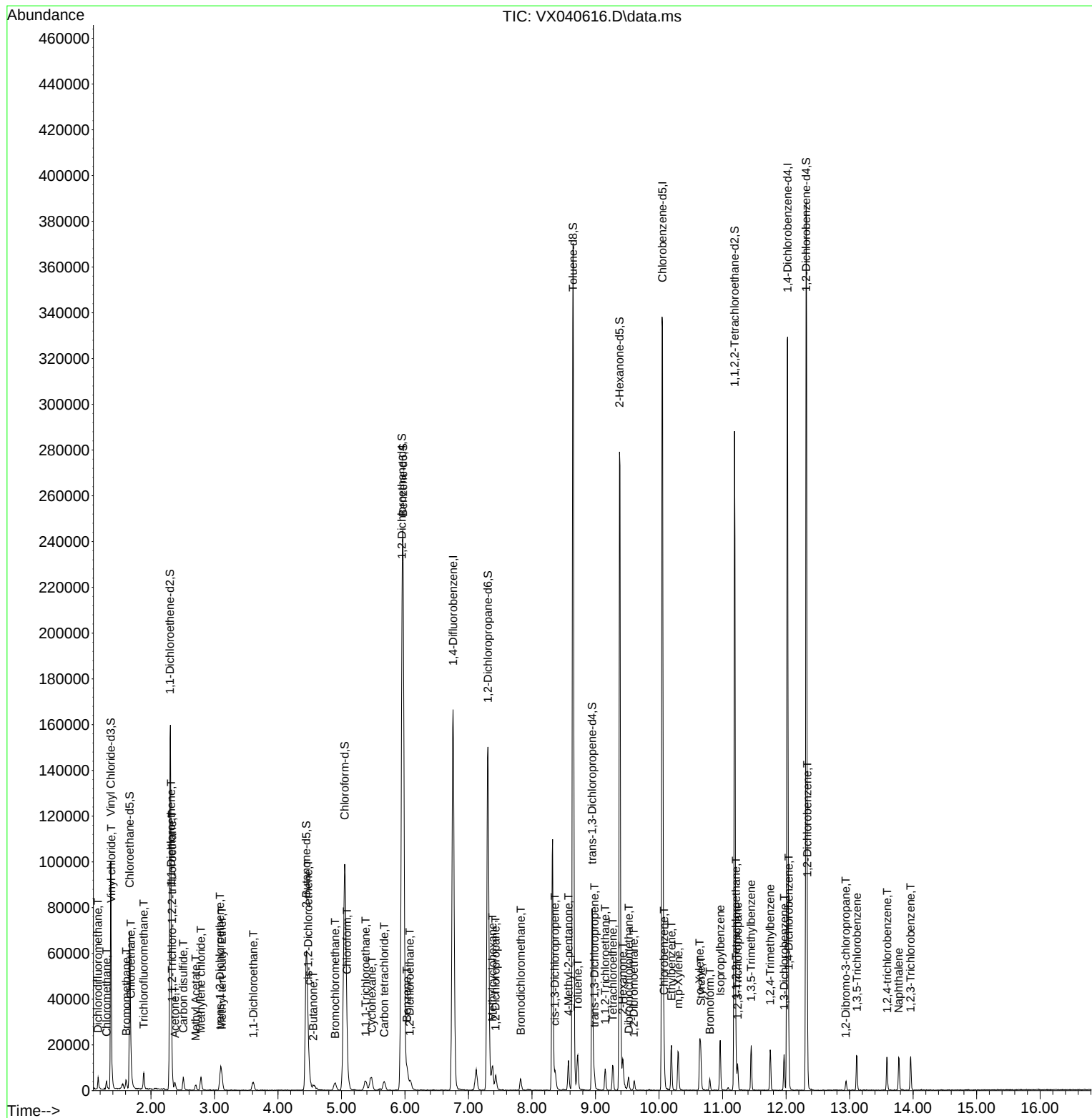
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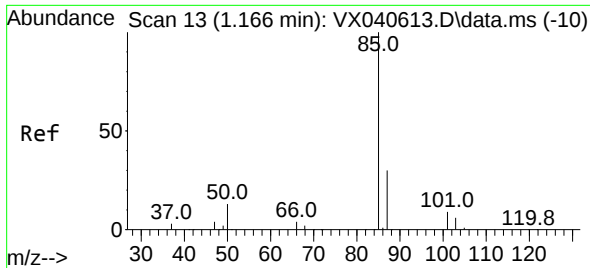
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-02

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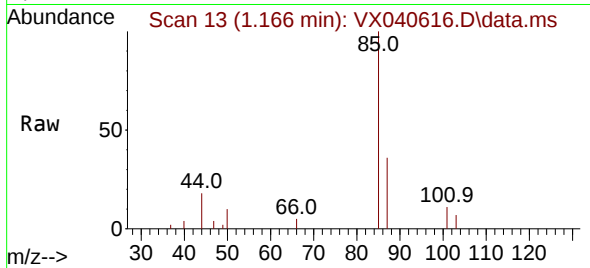
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024





#2
 Dichlorodifluoromethane
 Concen: 2.274 ug/L m
 RT: 1.166 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX040616.D
 Acq: 07 Mar 2024 12:28

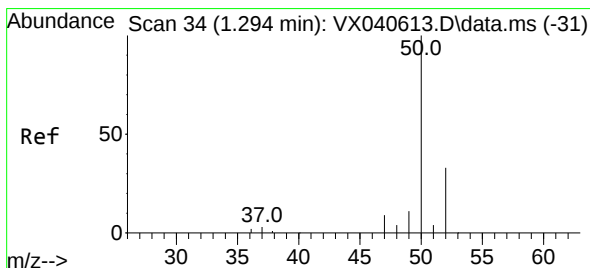
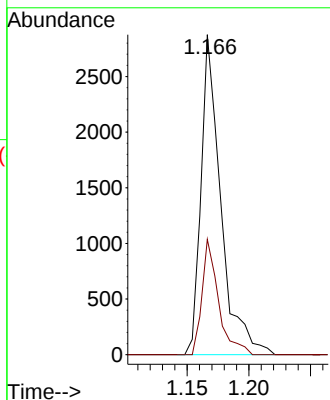
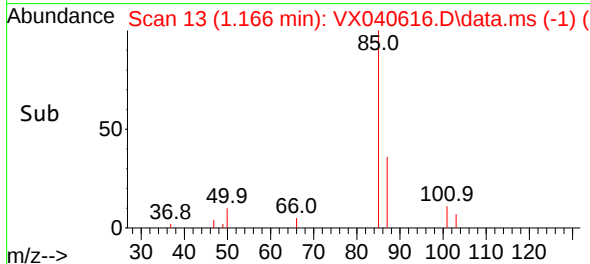
Instrument : MSVOA_X
 ClientSampleId : MDL-WATER-QT1-2024-02



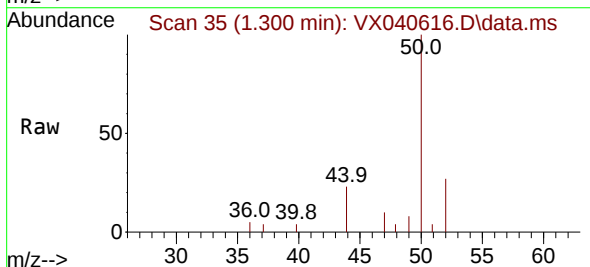
Tgt Ion: 85 Resp: 3209
 Ion Ratio Lower Upper
 85 100
 87 30.1 26.1 39.1

Manual Integrations
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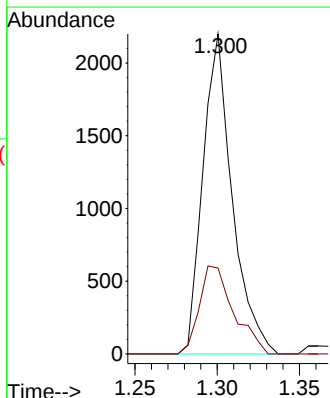
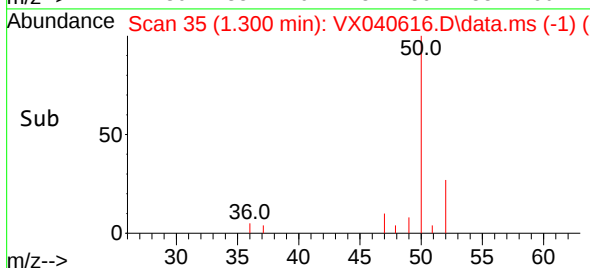
Reviewed By :John Carlone 03/08/2024
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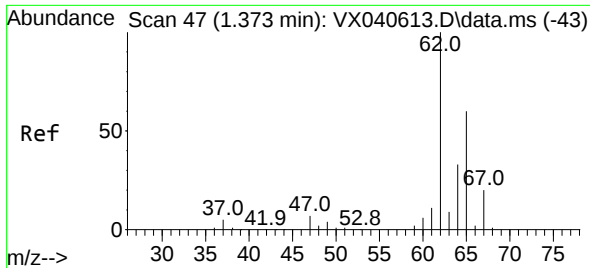


#3
 Chloromethane
 Concen: 2.222 ug/L
 RT: 1.300 min Scan# 35
 Delta R.T. 0.006 min
 Lab File: VX040616.D
 Acq: 07 Mar 2024 12:28



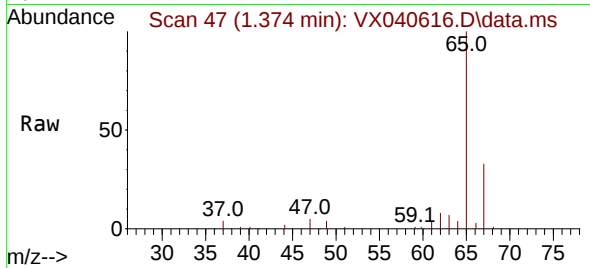
Tgt Ion: 50 Resp: 2726
 Ion Ratio Lower Upper
 50 100
 52 26.9 23.1 42.9





#5
Vinyl chloride
Concen: 2.390 ug/L
RT: 1.374 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

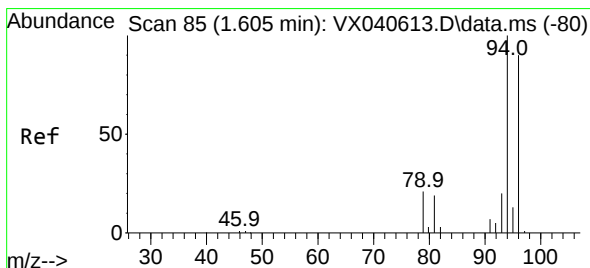
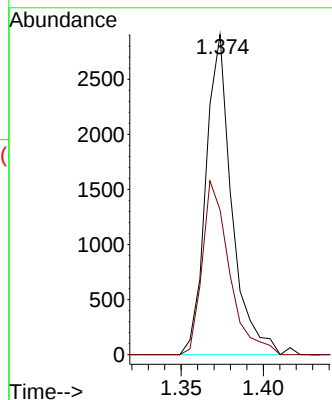
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion: 62 Resp: 3172
Ion Ratio Lower Upper
62 100
64 45.2 23.8 44.2

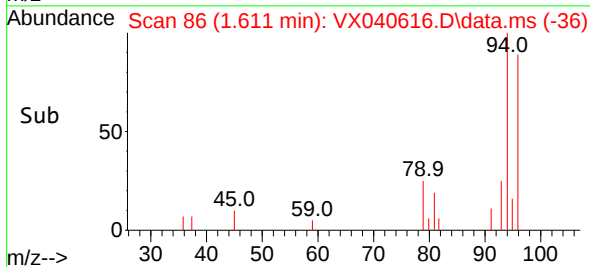
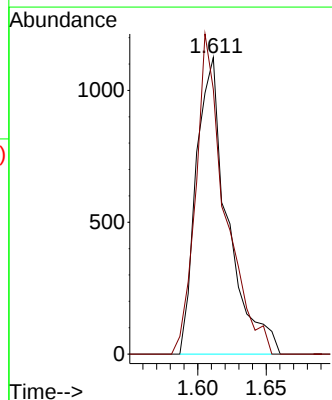
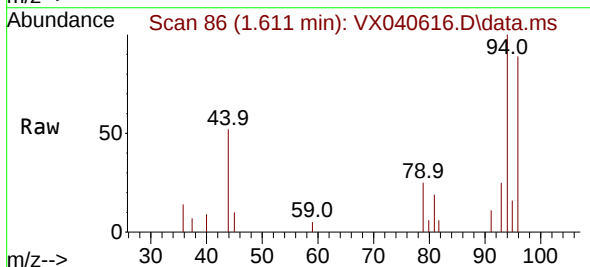
Manual Integrations
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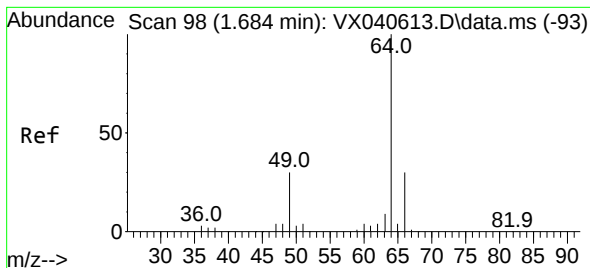
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024



#6
Bromomethane
Concen: 2.547 ug/L
RT: 1.611 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

Tgt Ion: 94 Resp: 1795
Ion Ratio Lower Upper
94 100
96 89.2 69.0 128.2





#8

Chloroethane

Concen: 2.276 ug/L m

RT: 1.685 min Scan# 98

Delta R.T. 0.000 min

Lab File: VX040616.D

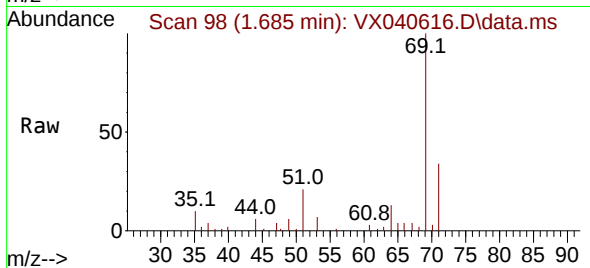
Acq: 07 Mar 2024 12:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2024-02



Tgt Ion: 64 Resp: 173

Ion Ratio Lower Upper

64 100

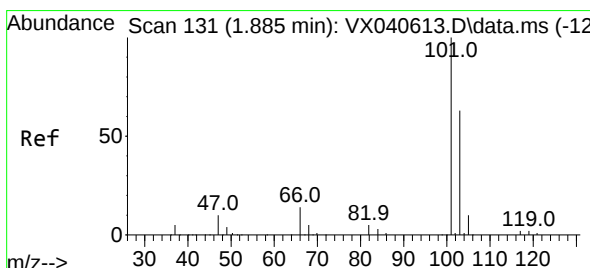
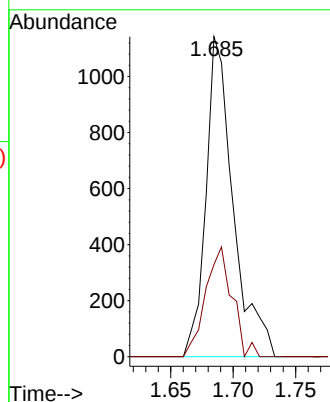
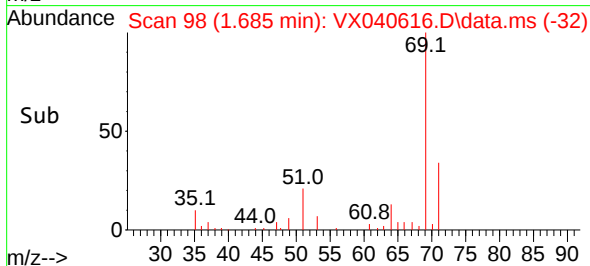
66 28.8 25.0 46.4

Manual Integrations

APPROVED

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#9

Trichlorofluoromethane

Concen: 2.309 ug/L

RT: 1.886 min Scan# 131

Delta R.T. 0.000 min

Lab File: VX040616.D

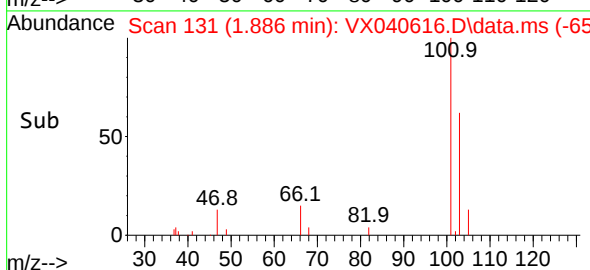
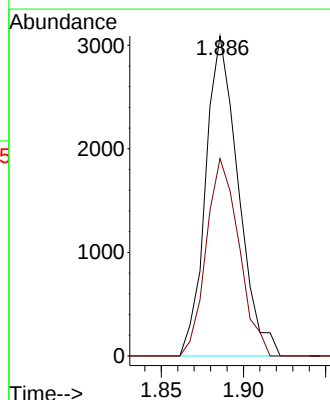
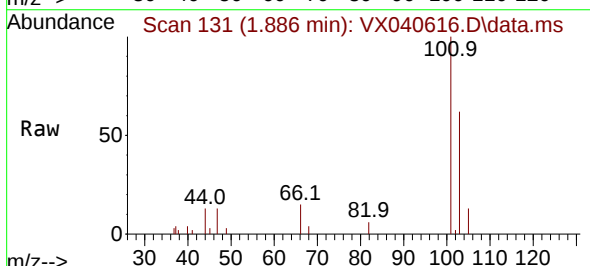
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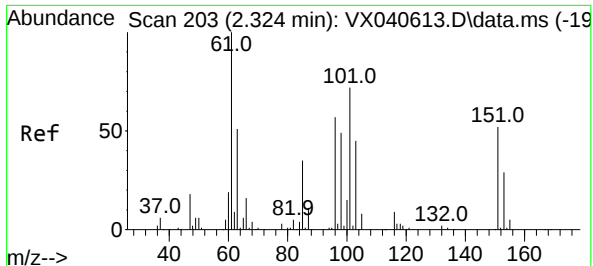
Tgt Ion:101 Resp: 4264

Ion Ratio Lower Upper

101 100

103 61.8 51.7 77.5





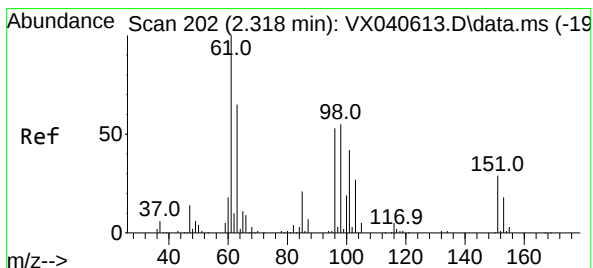
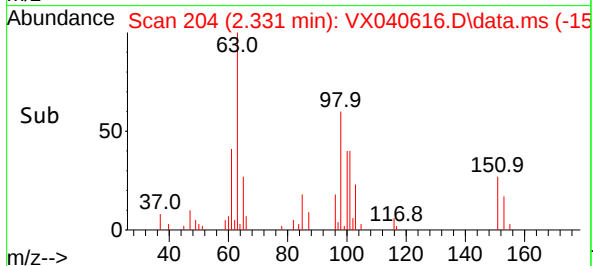
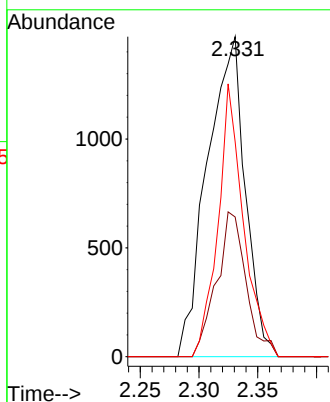
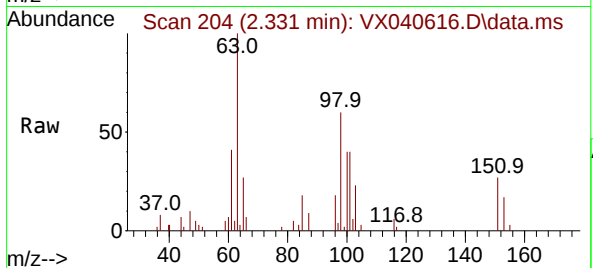
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.003 ug/L
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX040616.D
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MSVOA_X
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MDL-WATER-QT1-2024-02

Tgt Ion:101 Resp: 3290
Ion Ratio Lower Upper
101 100
85 34.7 38.3 57.5
151 57.7 57.7 86.5

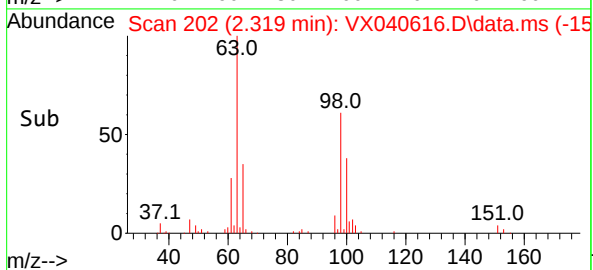
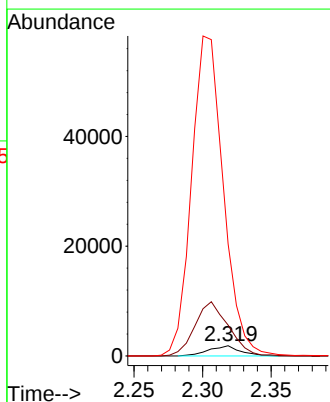
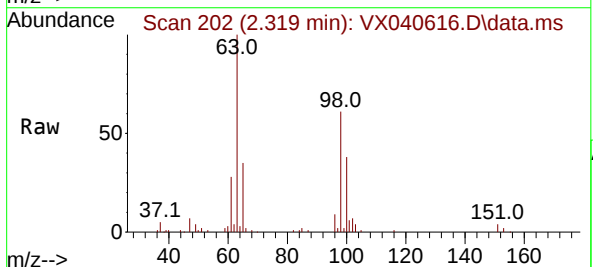
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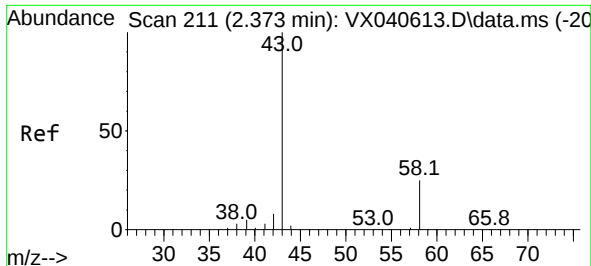
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024



#12
1,1-Dichloroethene
Concen: 3.102 ug/L
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

Tgt Ion: 96 Resp: 2990
Ion Ratio Lower Upper
96 100
61 302.0 134.8 250.4#
63 1093.4 92.5 171.9#





#13

Acetone

Concen: 4.564 ug/L

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX040616.D

Acq: 07 Mar 2024 12:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2024-02

Tgt Ion: 43 Resp: 346

Ion Ratio Lower Upper

43 100

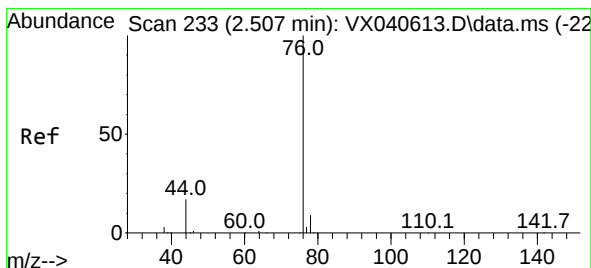
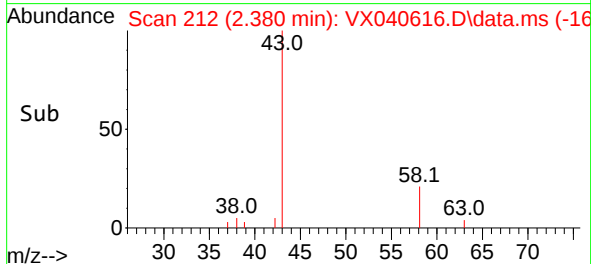
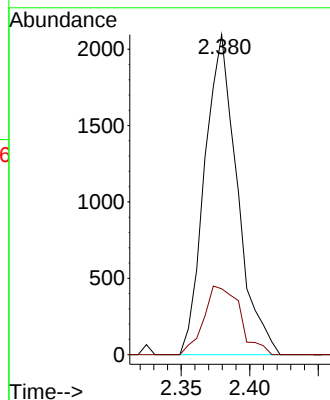
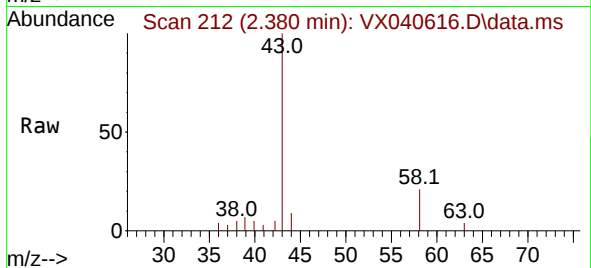
58 23.3 0.0 54.6

Manual Integrations

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#14

Carbon disulfide

Concen: 2.166 ug/L

RT: 2.508 min Scan# 233

Delta R.T. 0.000 min

Lab File: VX040616.D

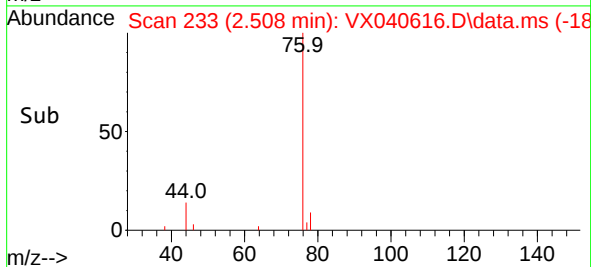
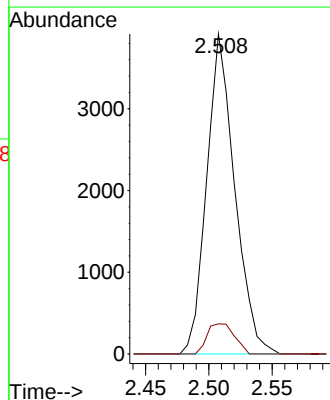
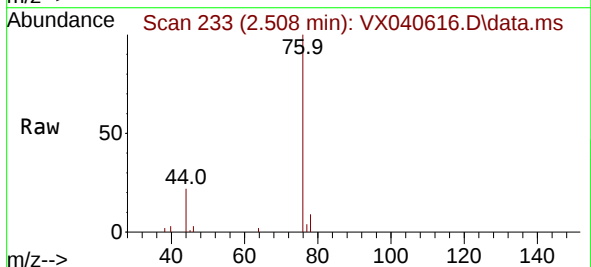
Acq: 07 Mar 2024 12:28

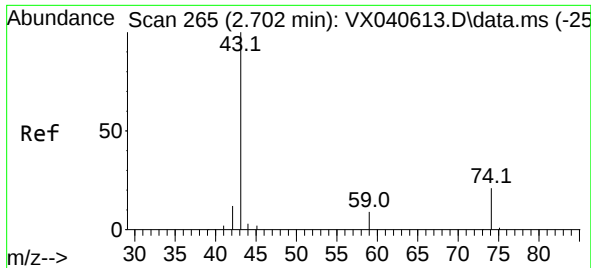
Tgt Ion: 76 Resp: 6042

Ion Ratio Lower Upper

76 100

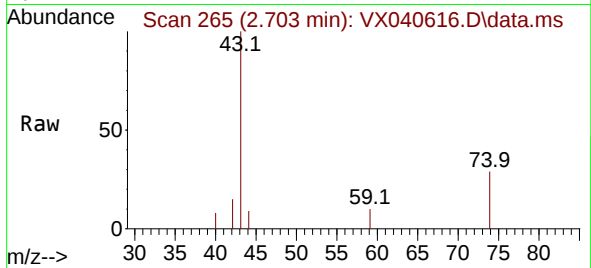
78 9.4 7.2 10.8





#15
Methyl Acetate
Concen: 2.020 ug/L
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

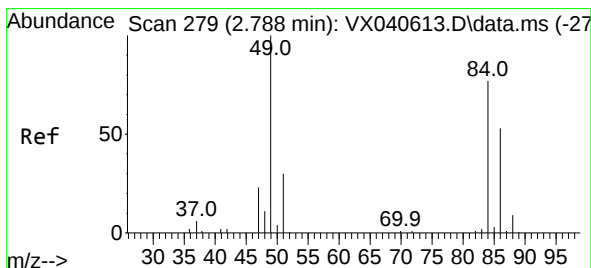
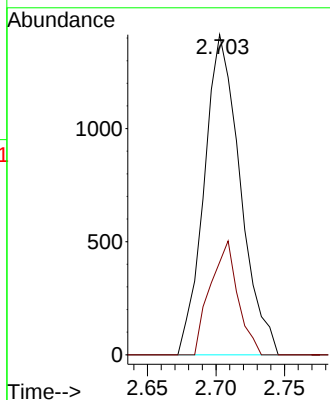
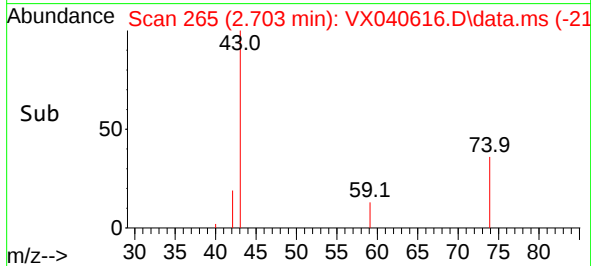
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion: 43 Resp: 2590
Ion Ratio Lower Upper
43 100
74 27.2 17.6 26.4

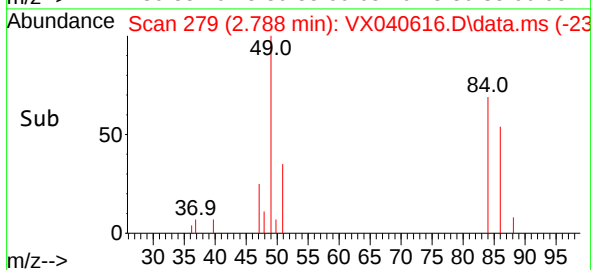
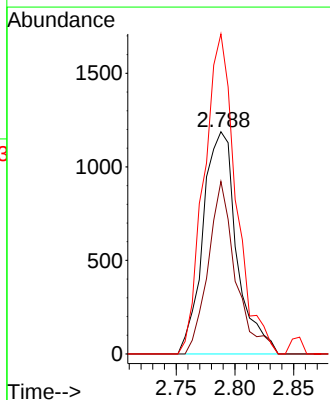
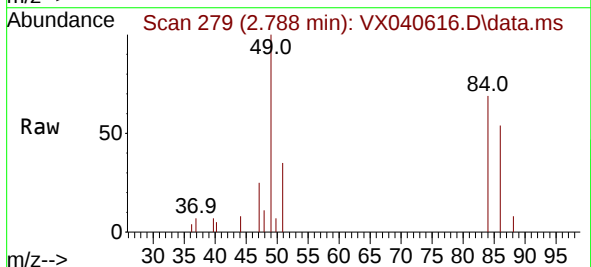
Manual Integrations
APPROVED

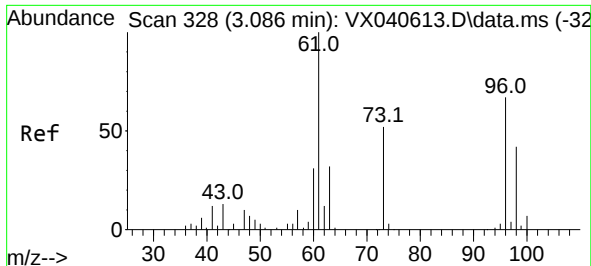
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024



#16
Methylene chloride
Concen: 2.237 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

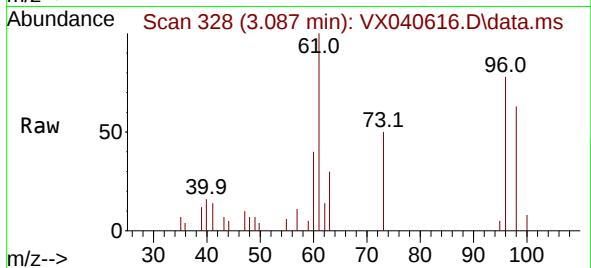
Tgt Ion: 84 Resp: 2375
Ion Ratio Lower Upper
84 100
86 77.6 45.8 85.2
49 143.9 92.6 172.0





#17
trans-1,2-Dichloroethene
Concen: 2.245 ug/L
RT: 3.087 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

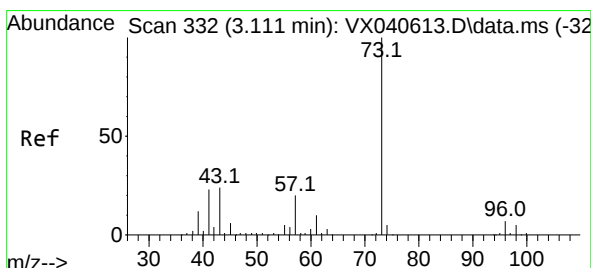
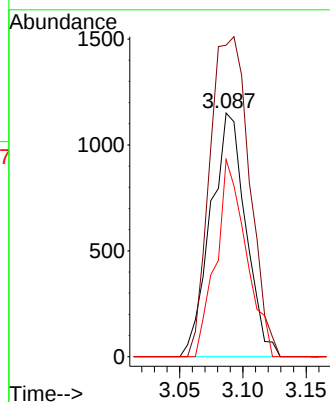
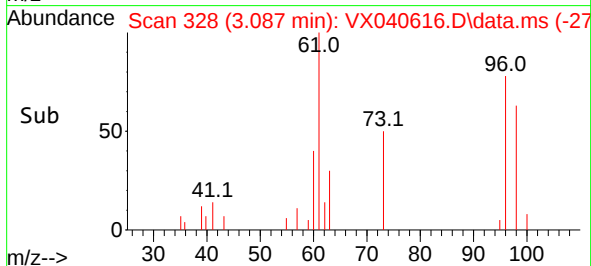
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion: 96 Resp: 222
Ion Ratio Lower Upper
96 100
61 127.8 106.6 198.0
98 80.9 45.1 83.9

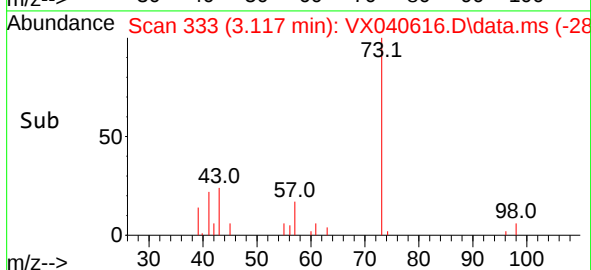
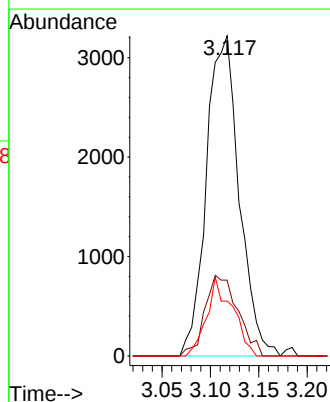
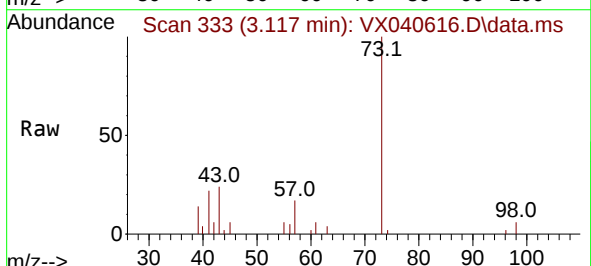
Manual Integrations
APPROVED

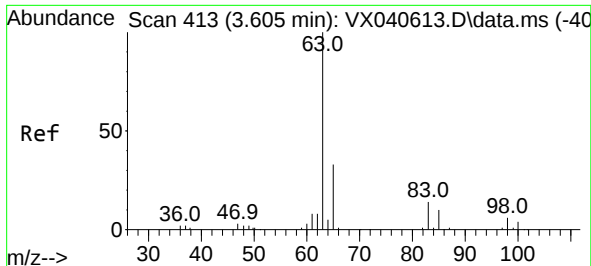
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024



#18
Methyl tert-butyl Ether
Concen: 2.218 ug/L
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

Tgt Ion: 73 Resp: 7590
Ion Ratio Lower Upper
73 100
43 24.5 19.3 28.9
57 19.3 17.1 25.7





#19

1,1-Dichloroethane

Concen: 2.217 ug/L

RT: 3.611 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX040616.D

Acq: 07 Mar 2024 12:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2024-02

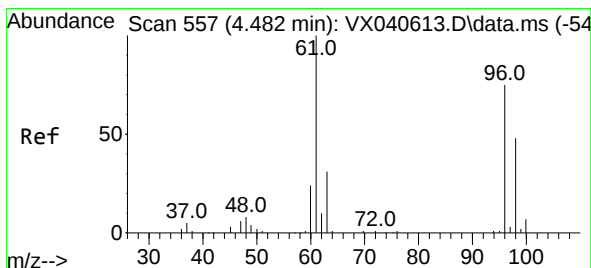
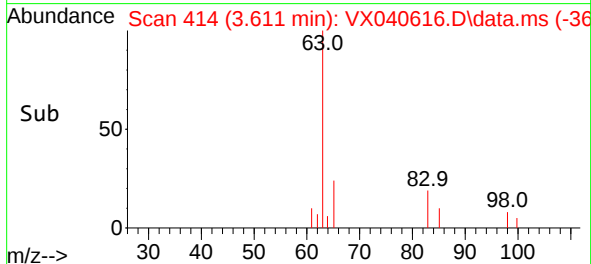
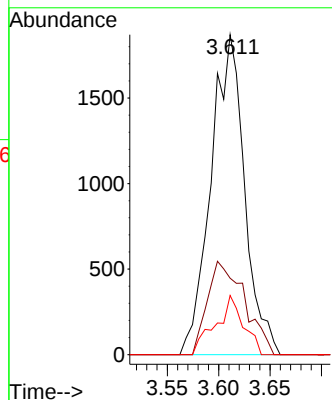
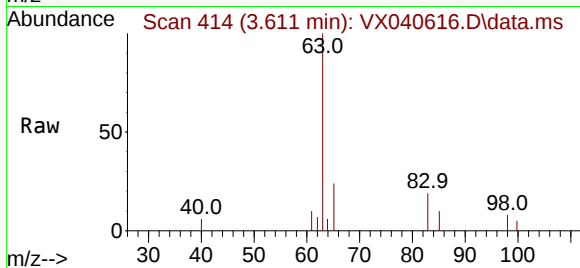
Tgt Ion:	63	Resp:	426
Ion	Ratio	Lower	Upper
63	100		
65	23.9	23.1	42.9
83	18.5	9.9	18.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/08/2024

Supervised By :Semsettin Yesilyurt 03/11/2024



#20

cis-1,2-Dichloroethene

Concen: 2.139 ug/L

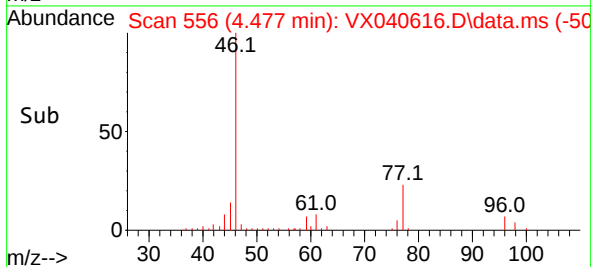
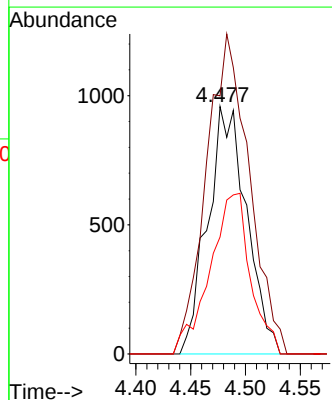
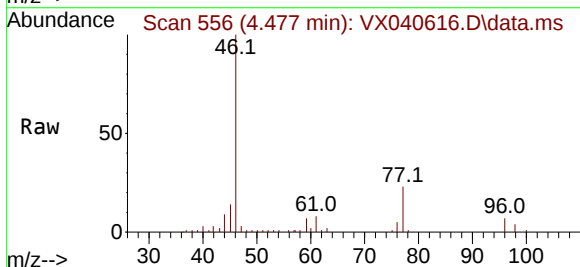
RT: 4.477 min Scan# 556

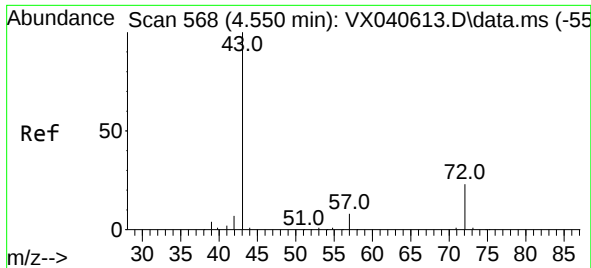
Delta R.T. -0.006 min

Lab File: VX040616.D

Acq: 07 Mar 2024 12:28

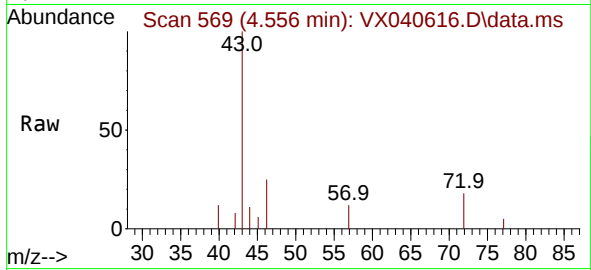
Tgt Ion:	96	Resp:	2373
Ion	Ratio	Lower	Upper
96	100		
61	104.3	93.0	172.8
98	47.3	42.4	78.6





#22
2-Butanone
Concen: 4.285 ug/L m
RT: 4.556 min Scan# 569
Delta R.T. 0.006 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

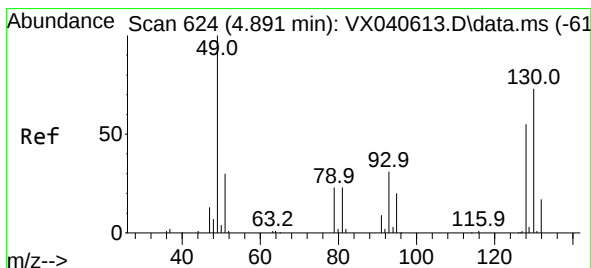
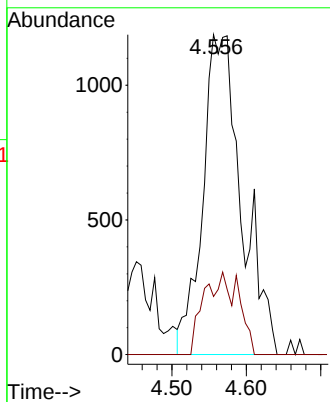
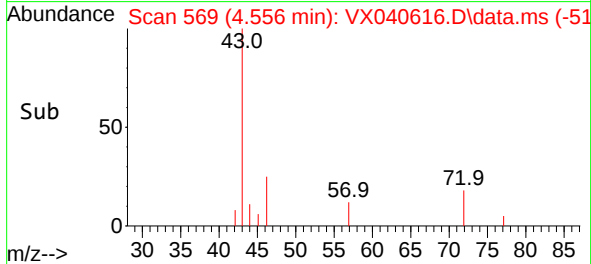
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion: 43 Resp: 4310
Ion Ratio Lower Upper
43 100
72 8.7 12.4 37.2

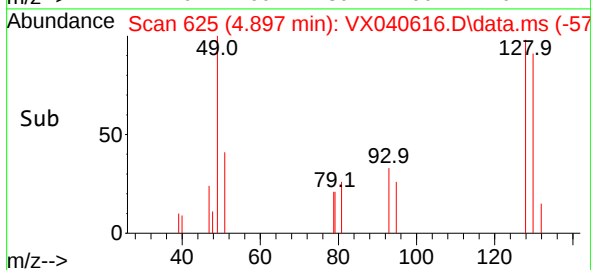
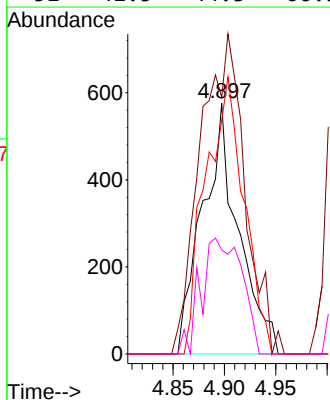
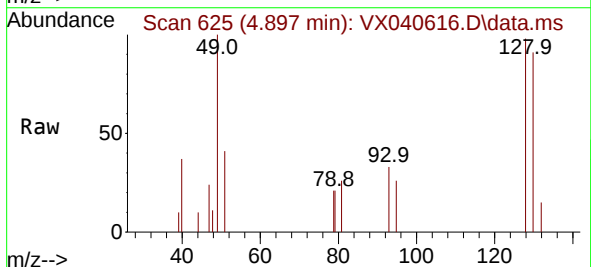
Manual Integrations
APPROVED

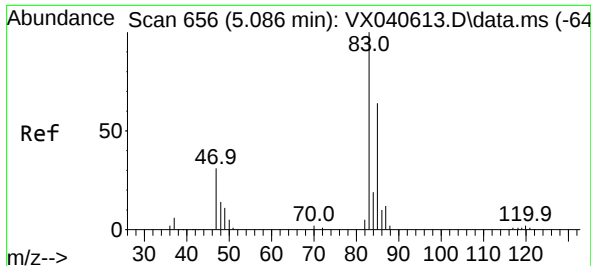
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024



#23
Bromochloromethane
Concen: 2.465 ug/L
RT: 4.897 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

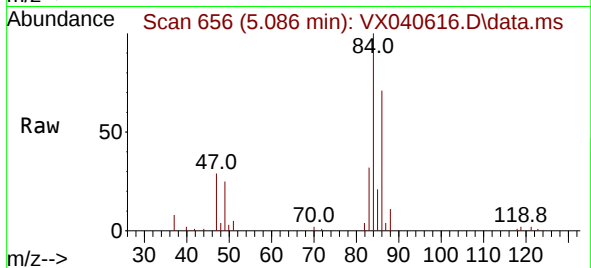
Tgt Ion:128 Resp: 1395
Ion Ratio Lower Upper
128 100
49 102.3 118.1 219.3#
130 93.2 89.4 166.0
51 41.5 44.3 66.5#





#25
Chloroform
Concen: 4.116 ug/L
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

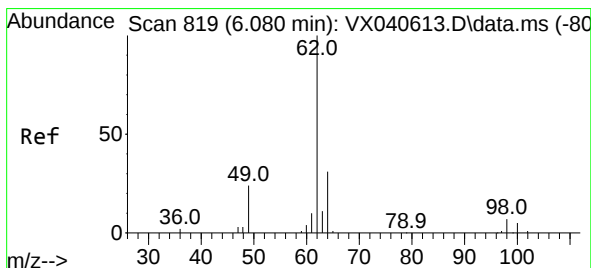
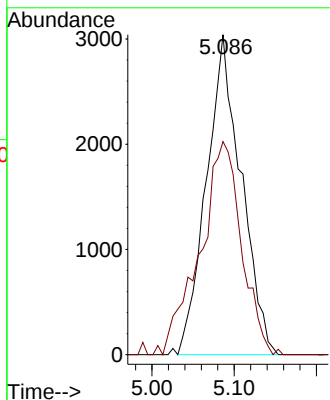
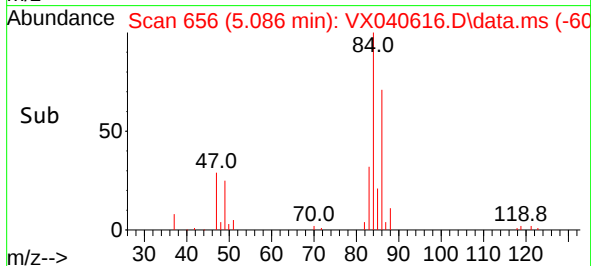
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion: 83 Resp: 8930
Ion Ratio Lower Upper
83 100
85 66.6 45.4 84.4

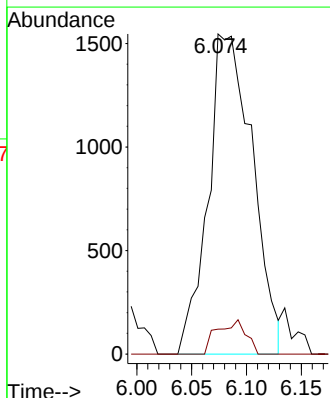
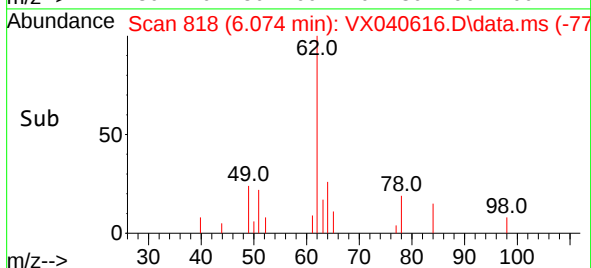
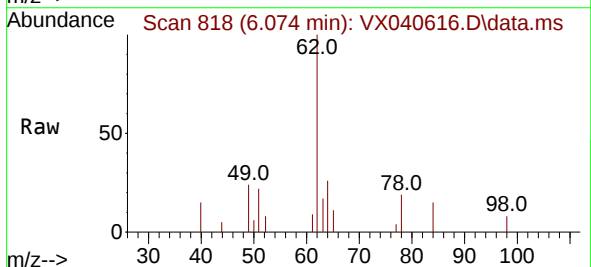
Manual Integrations
APPROVED

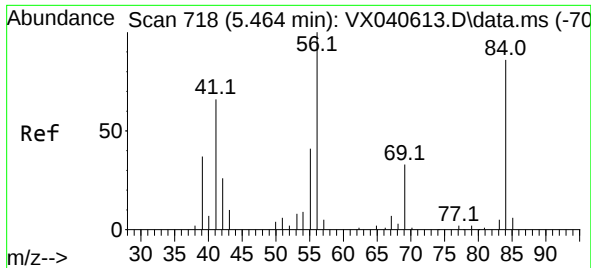
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024



#27
1,2-Dichloroethane
Concen: 2.280 ug/L
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

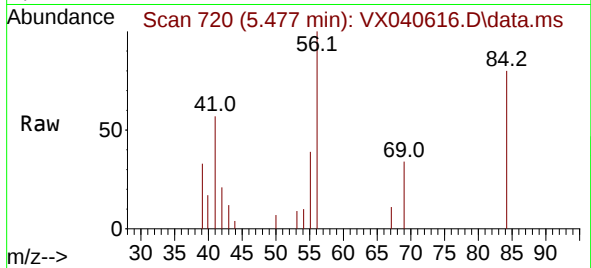
Tgt Ion: 62 Resp: 4348
Ion Ratio Lower Upper
62 100
98 7.8 5.8 8.6





#29
Cyclohexane
Concen: 2.526 ug/L m
RT: 5.477 min Scan# 718
Delta R.T. 0.013 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

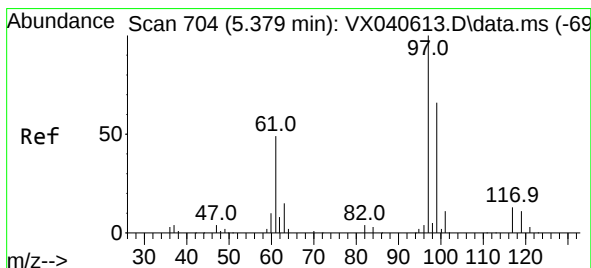
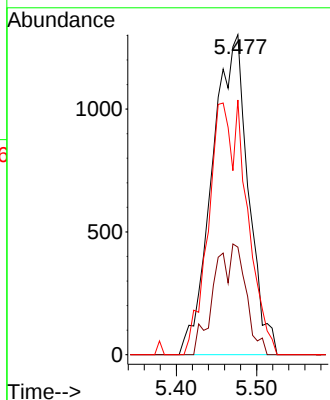
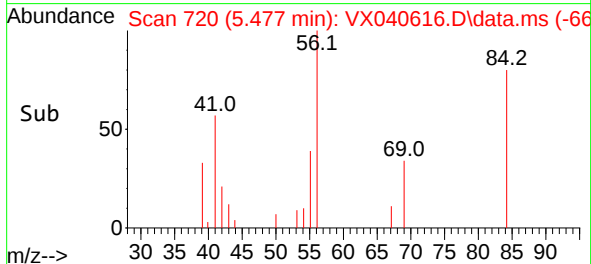
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-02



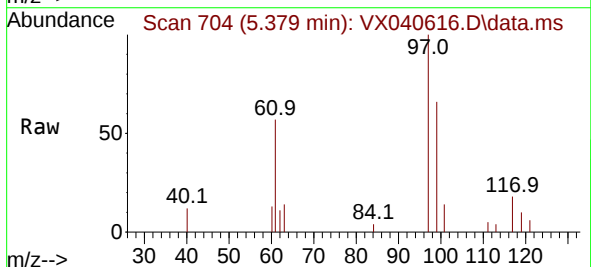
Tgt Ion: 56 Resp: 4070
Ion Ratio Lower Upper
56 100
69 13.4 25.0 37.4
84 52.2 70.6 105.8

Manual Integrations
APPROVED

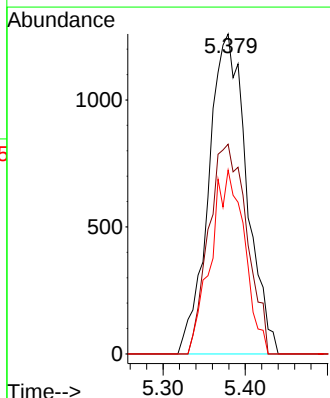
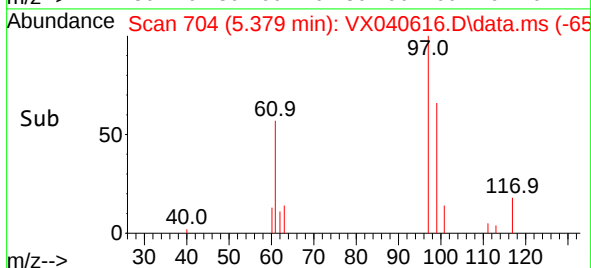
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024

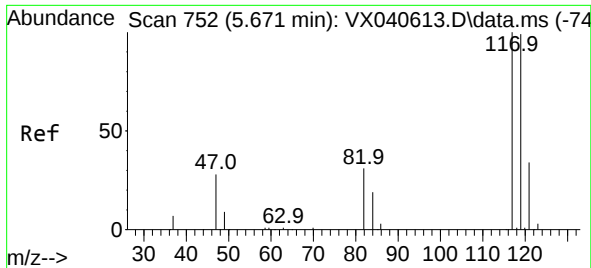


#30
1,1,1-Trichloroethane
Concen: 2.221 ug/L
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28



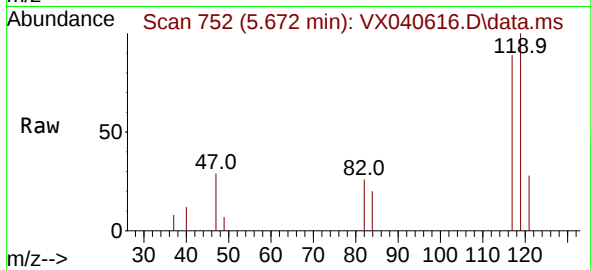
Tgt Ion: 97 Resp: 4055
Ion Ratio Lower Upper
97 100
99 65.6 52.1 78.1
61 50.9 38.3 57.5





#31
Carbon tetrachloride
Concen: 2.149 ug/L
RT: 5.672 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

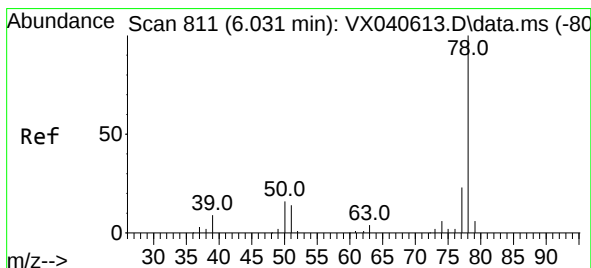
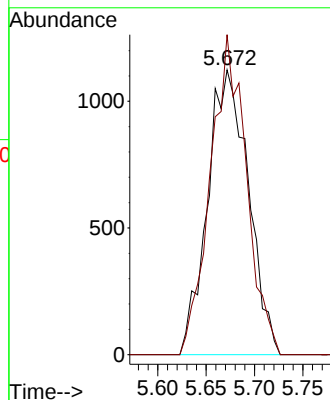
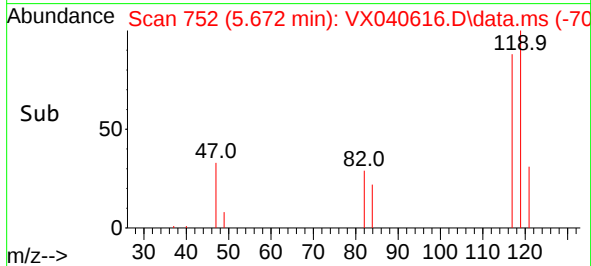
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion:117 Resp: 3294
Ion Ratio Lower Upper
117 100
119 99.3 75.4 113.2

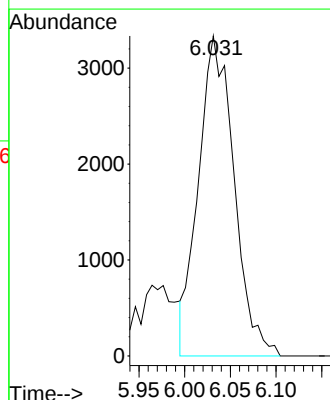
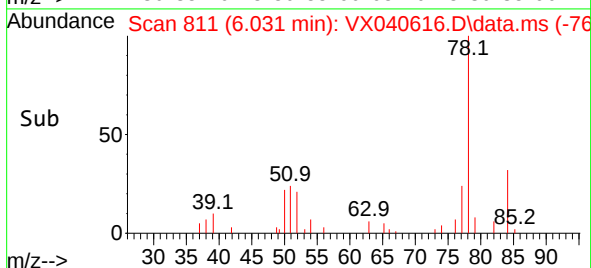
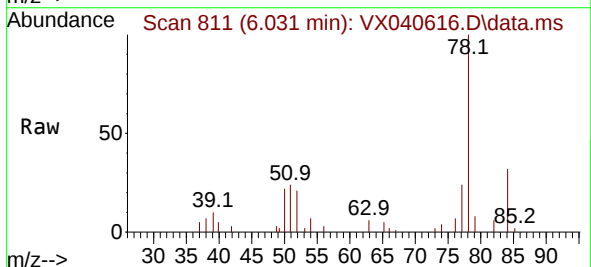
Manual Integrations
APPROVED

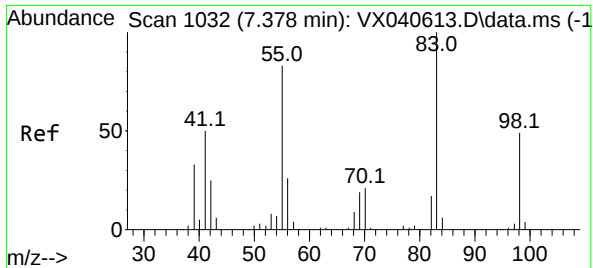
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024



#33
Benzene
Concen: 2.292 ug/L
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

Tgt Ion: 78 Resp: 9026





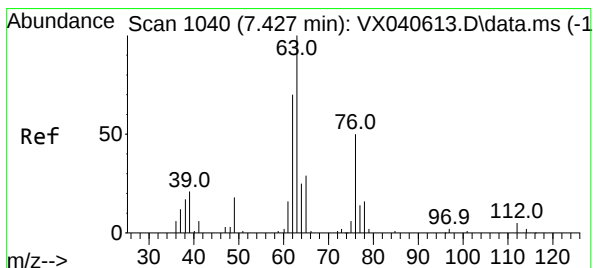
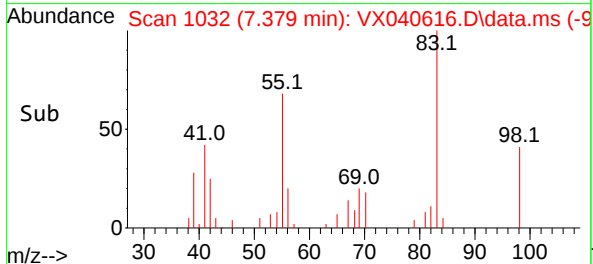
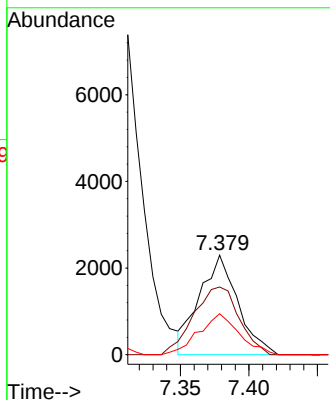
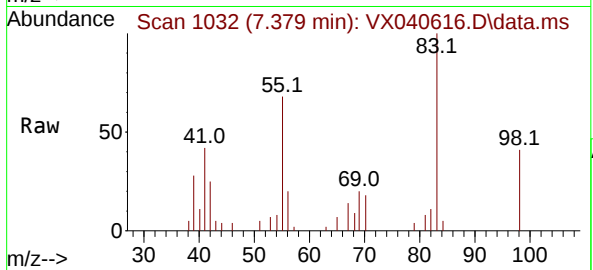
#35
Methylcyclohexane
Concen: 2.638 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-02

Tgt Ion: 83 Resp: 448
Ion Ratio Lower Upper
83 100
55 80.3 62.6 94.0
98 43.1 37.4 56.2

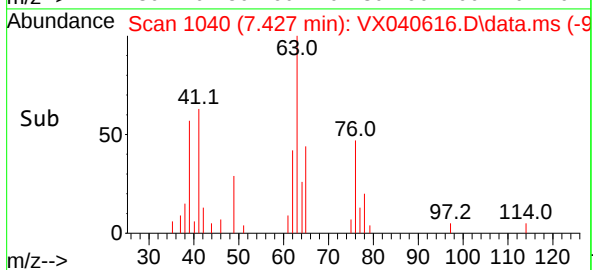
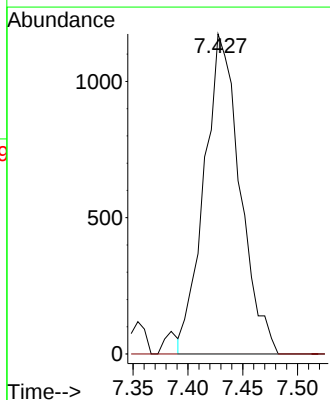
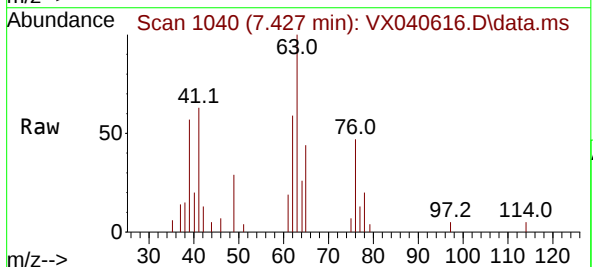
Manual Integrations
APPROVED

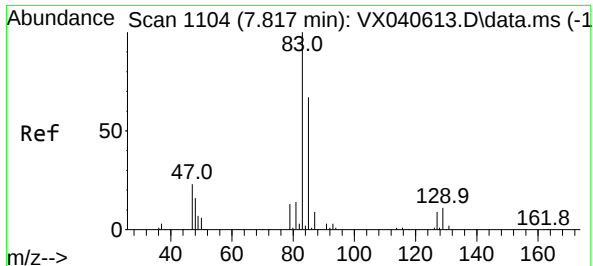
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024



#37
1,2-Dichloropropane
Concen: 2.566 ug/L
RT: 7.427 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

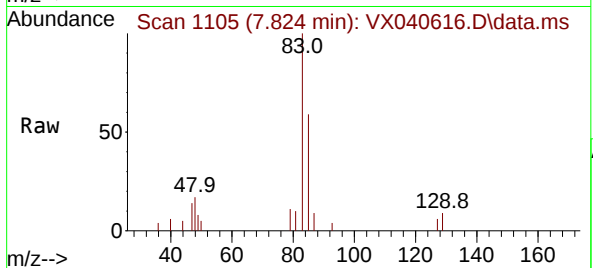
Tgt Ion: 63 Resp: 2676
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#





#38
Bromodichloromethane
Concen: 2.220 ug/L
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

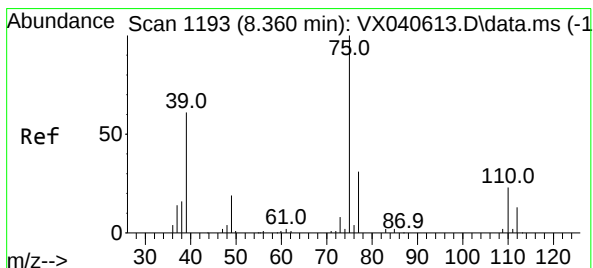
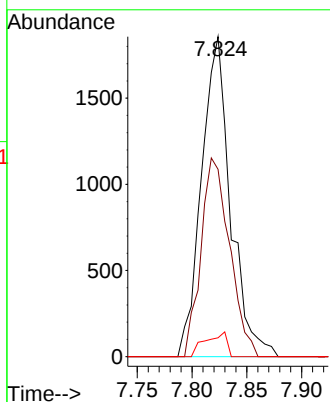
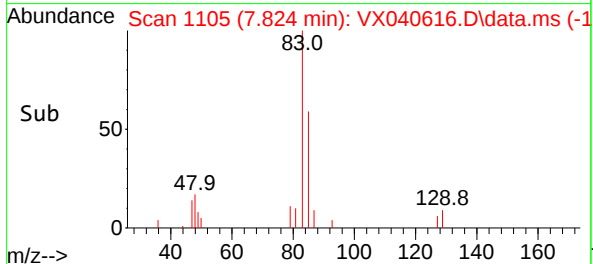
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion: 83 Resp: 342
Ion Ratio Lower Upper
83 100
85 58.5 42.8 79.4
127 5.9 6.5 9.7

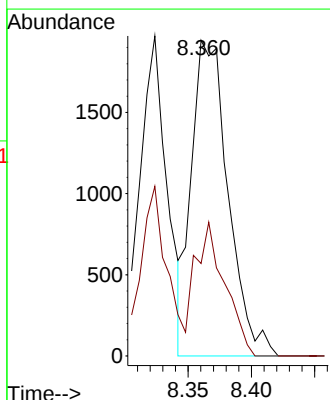
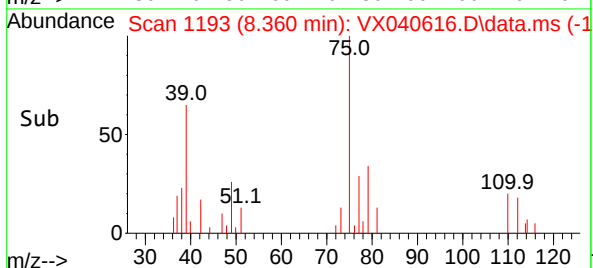
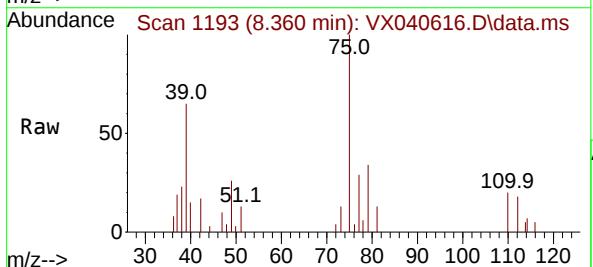
Manual Integrations
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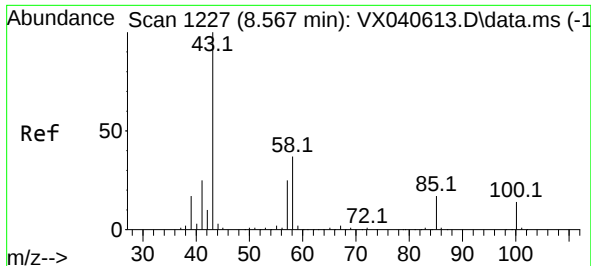
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024



#39
cis-1,3-Dichloropropene
Concen: 2.230 ug/L
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

Tgt Ion: 75 Resp: 3914
Ion Ratio Lower Upper
75 100
77 29.3 21.1 39.3





#40

4-Methyl-2-pentanone

Concen: 4.050 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX040616.D

Acq: 07 Mar 2024 12:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2024-02

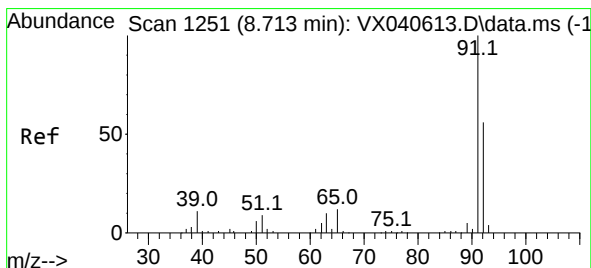
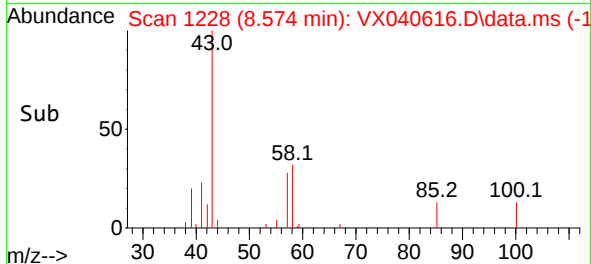
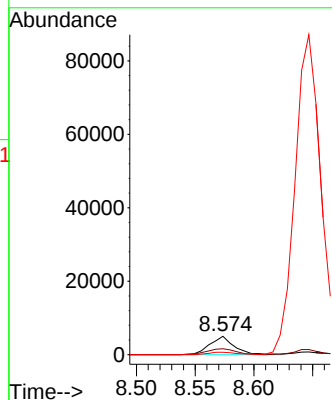
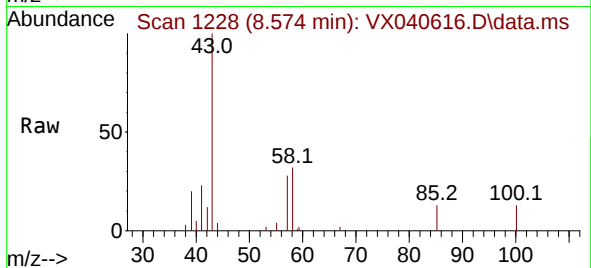
Tgt Ion: 43 Resp: 7240
 Ion Ratio Lower Upper
 43 100
 58 38.2 29.3 43.9
 100 15.8 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/08/2024

Supervised By :Semsettin Yesilyurt 03/11/2024



#42

Toluene

Concen: 2.333 ug/L

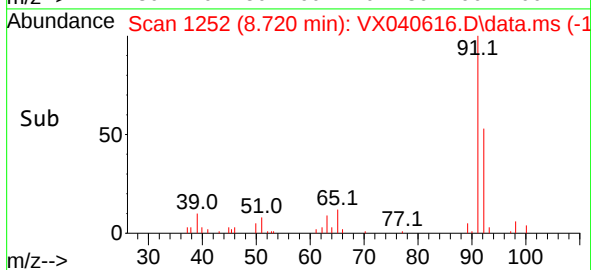
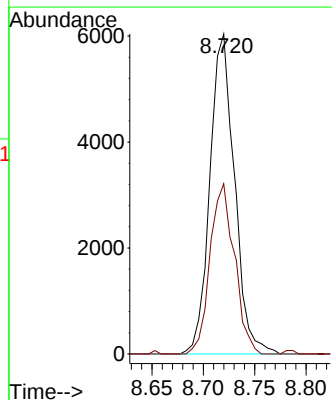
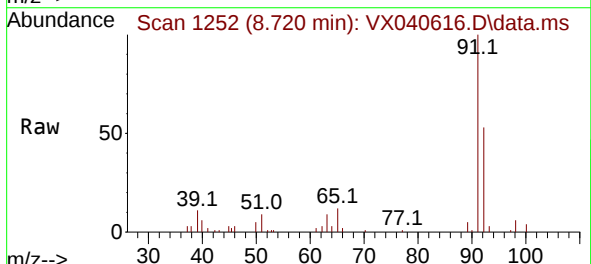
RT: 8.720 min Scan# 1252

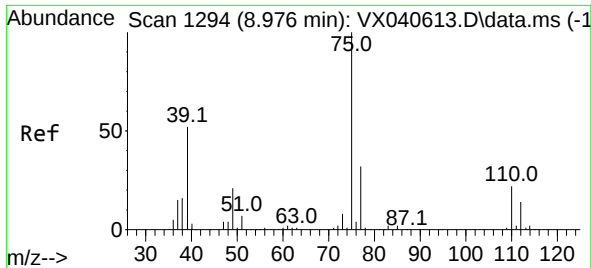
Delta R.T. 0.006 min

Lab File: VX040616.D

Acq: 07 Mar 2024 12:28

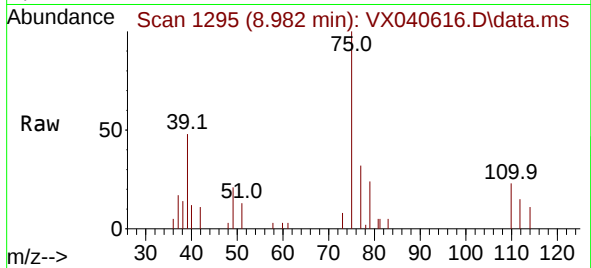
Tgt Ion: 91 Resp: 10082
 Ion Ratio Lower Upper
 91 100
 92 53.2 40.2 74.6





#44
trans-1,3-Dichloropropene
Concen: 2.243 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. 0.006 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

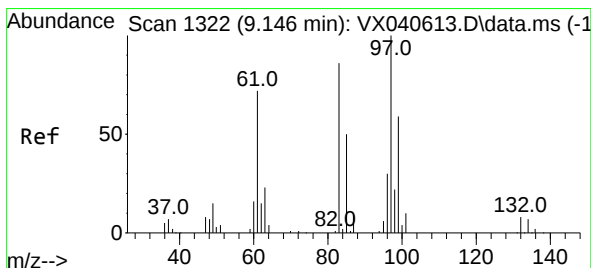
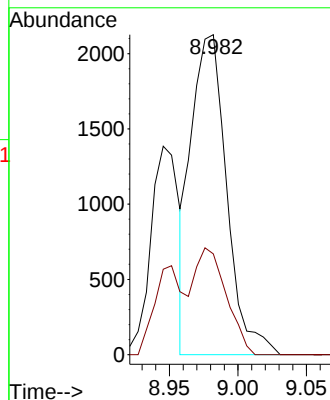
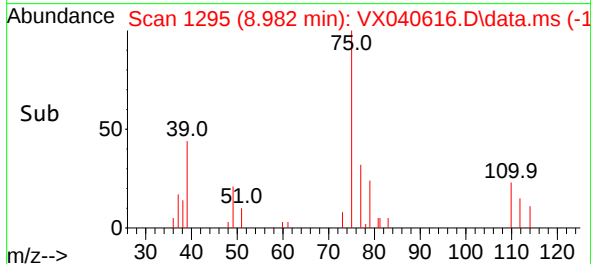
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-02



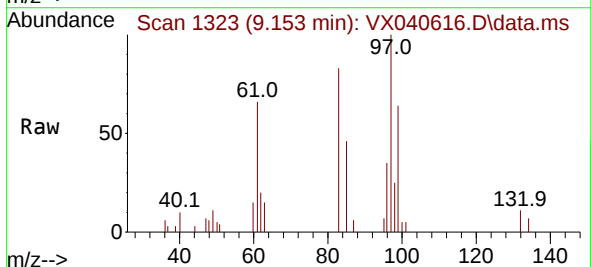
Tgt Ion: 75 Resp: 3830
Ion Ratio Lower Upper
75 100
77 31.5 22.1 41.1

Manual Integrations
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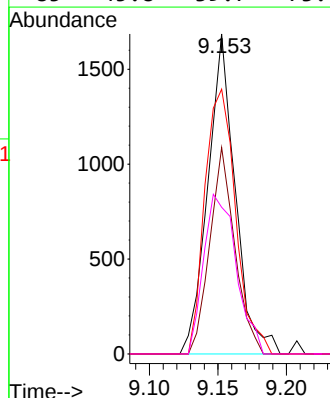
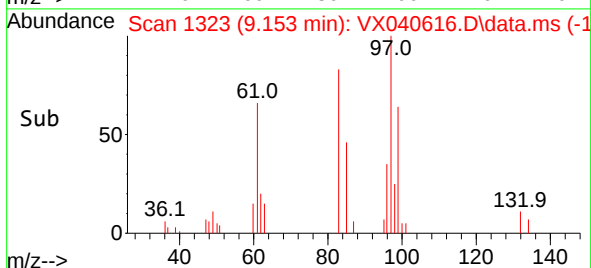
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024

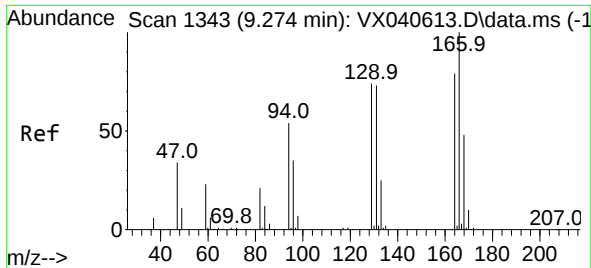


#45
1,1,2-Trichloroethane
Concen: 2.183 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28



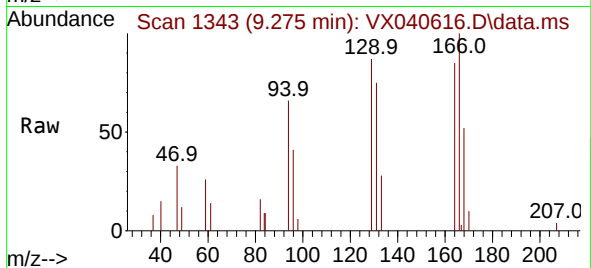
Tgt Ion: 97 Resp: 2350
Ion Ratio Lower Upper
97 100
99 64.5 42.6 79.0
83 82.7 59.2 110.0
85 45.8 39.7 73.7





#46
Tetrachloroethene
Concen: 2.408 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2024-02

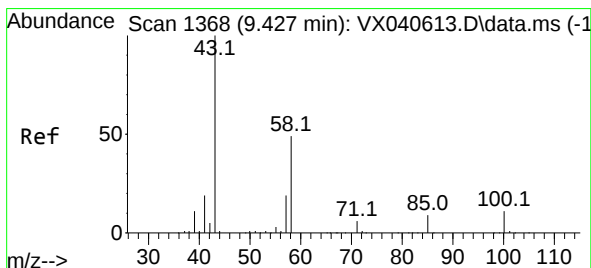
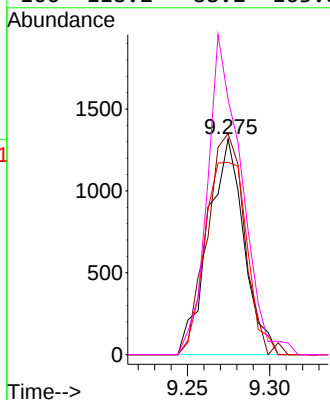
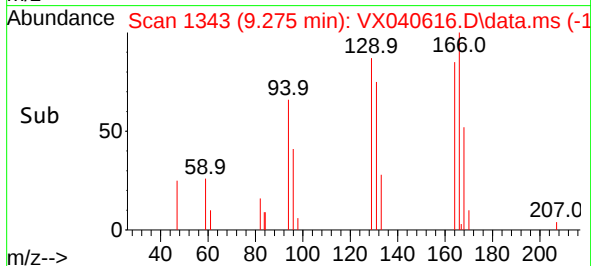


Tgt Ion:164 Resp: 2010

Ion	Ratio	Lower	Upper
164	100		
129	102.5	67.8	126.0
131	89.1	67.8	126.0
166	118.2	88.2	163.8

Manual Integrations
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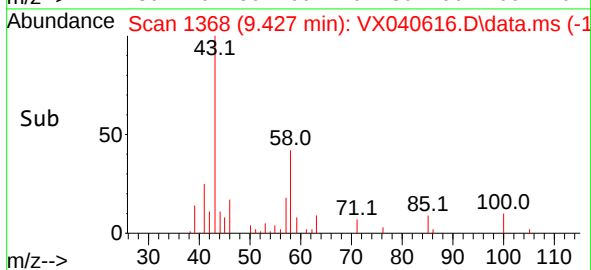
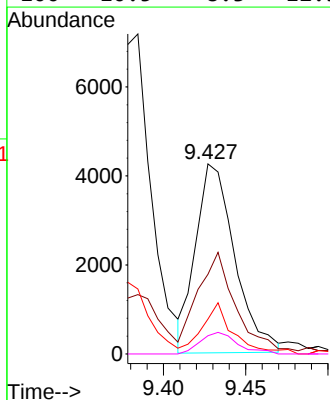
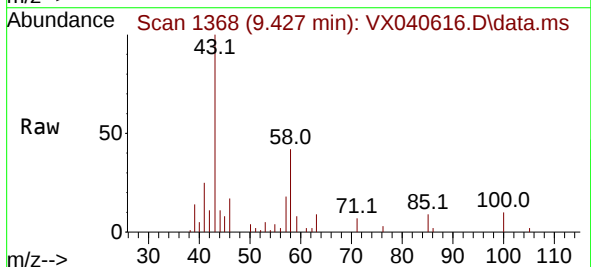
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024

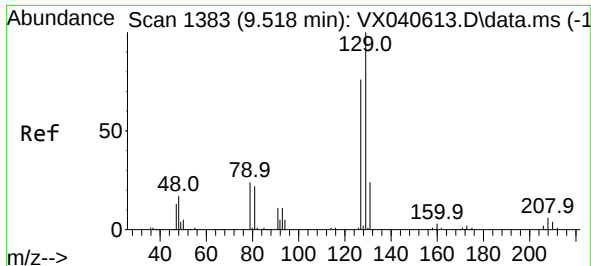


#48
2-Hexanone
Concen: 4.748 ug/L
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

Tgt Ion: 43 Resp: 7032

Ion	Ratio	Lower	Upper
43	100		
58	53.6	41.0	61.6
57	21.2	14.8	22.2
100	10.5	8.3	12.5





#49

Dibromochloromethane

Concen: 2.021 ug/L

RT: 9.525 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040616.D

Acq: 07 Mar 2024 12:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2024-02

Tgt Ion:129 Resp: 227

Ion Ratio Lower Upper

129 100

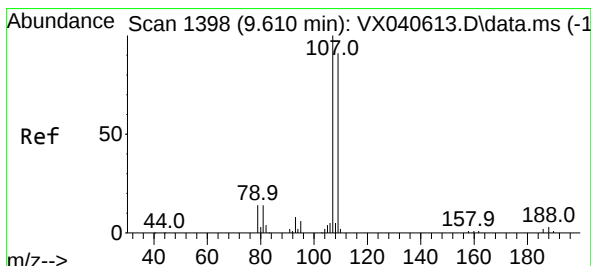
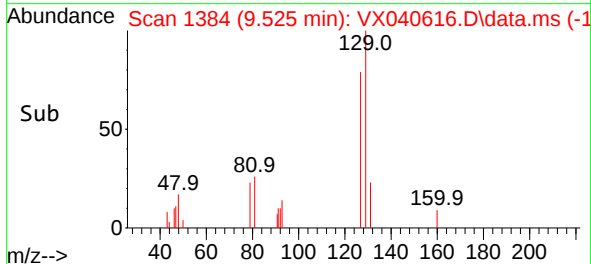
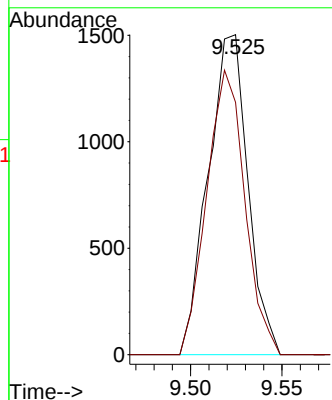
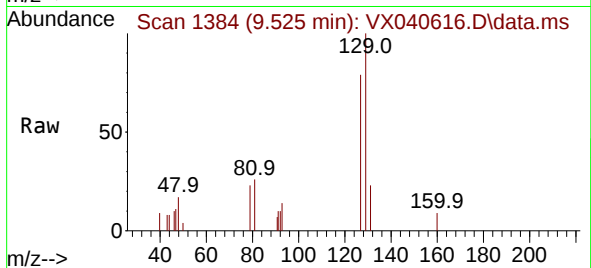
127 78.8 55.8 103.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/08/2024

Supervised By :Semsettin Yesilyurt 03/11/2024



#50

1,2-Dibromoethane

Concen: 2.129 ug/L

RT: 9.604 min Scan# 1397

Delta R.T. -0.006 min

Lab File: VX040616.D

Acq: 07 Mar 2024 12:28

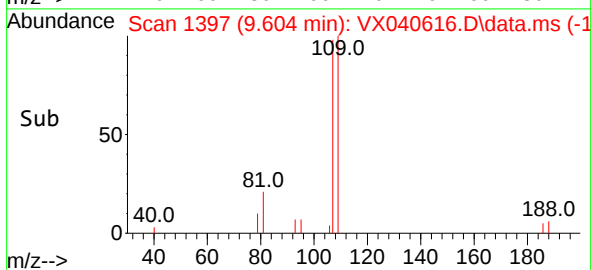
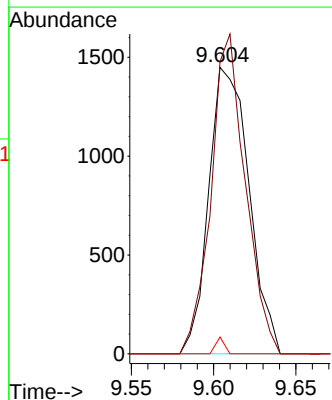
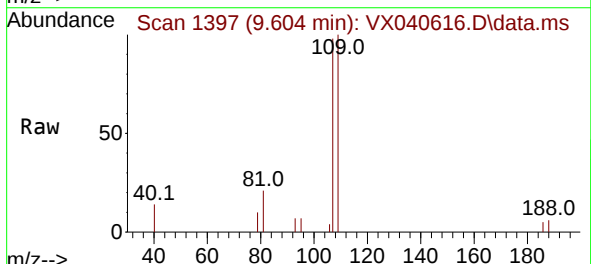
Tgt Ion:107 Resp: 2464

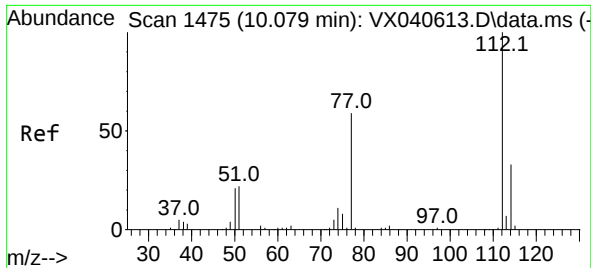
Ion Ratio Lower Upper

107 100

109 102.0 62.9 116.7

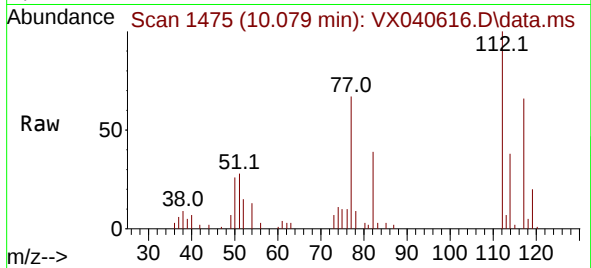
188 5.9 2.5 3.7#





#51
Chlorobenzene
Concen: 2.244 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

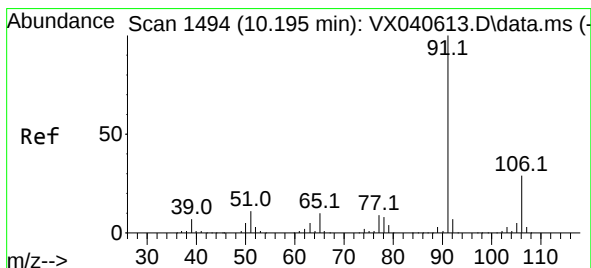
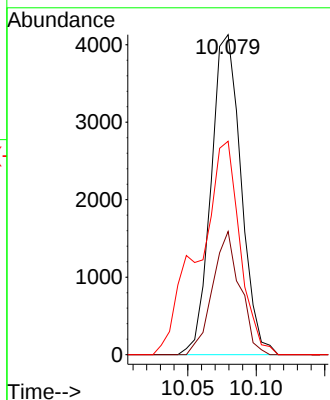
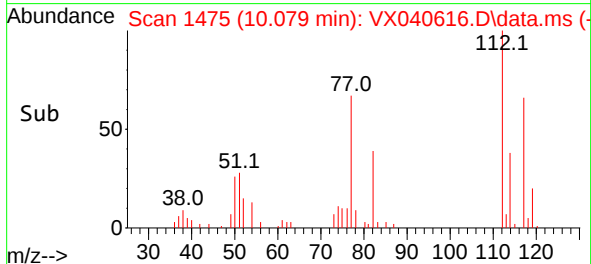
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion:112 Resp: 628
Ion Ratio Lower Upper
112 100
114 38.5 22.4 41.6
77 66.7 50.6 75.8

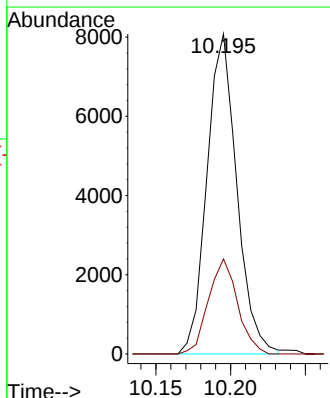
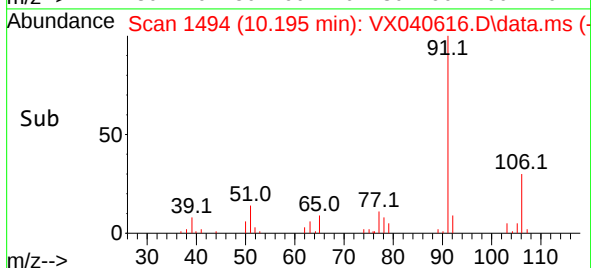
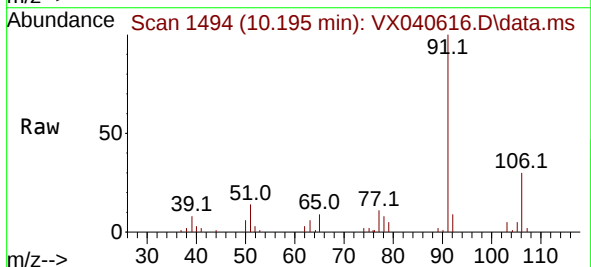
Manual Integrations
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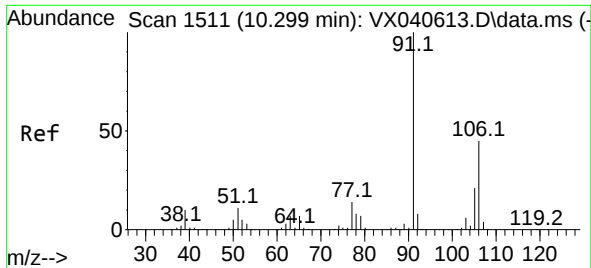
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024



#52
Ethylbenzene
Concen: 2.207 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

Tgt Ion: 91 Resp: 11206
Ion Ratio Lower Upper
91 100
106 29.7 20.6 38.4





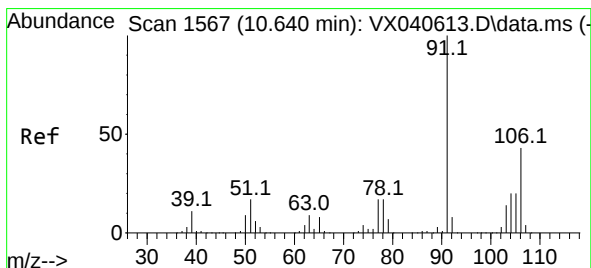
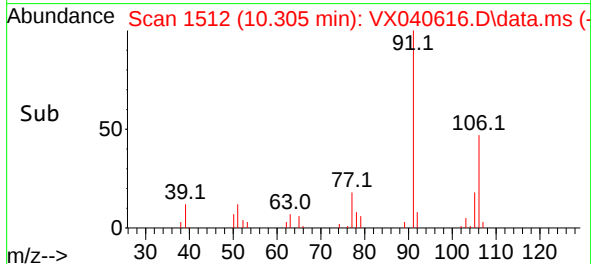
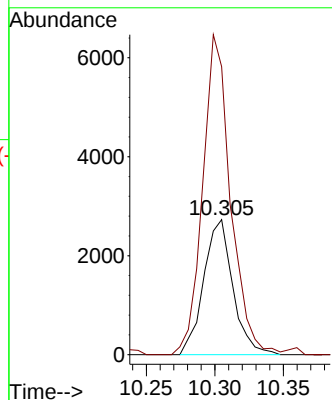
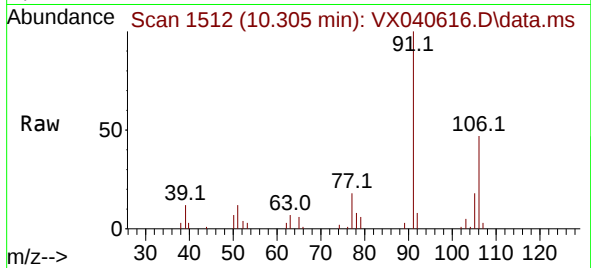
#53
m,p-Xylene
Concen: 2.190 ug/L
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-02

Tgt Ion:106 Resp: 404
Ion Ratio Lower Upper
106 100
91 213.2 160.4 298.0

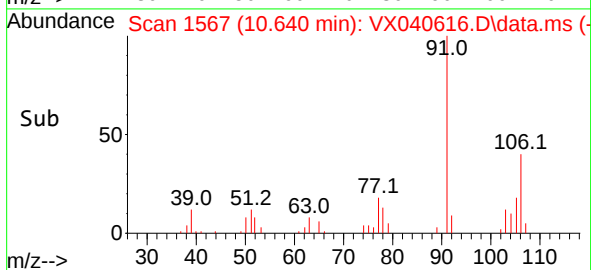
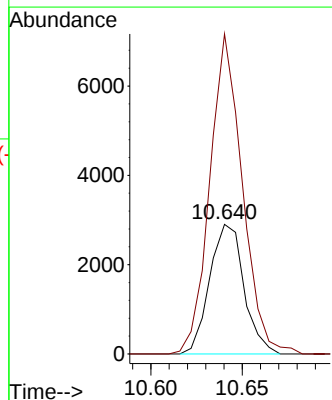
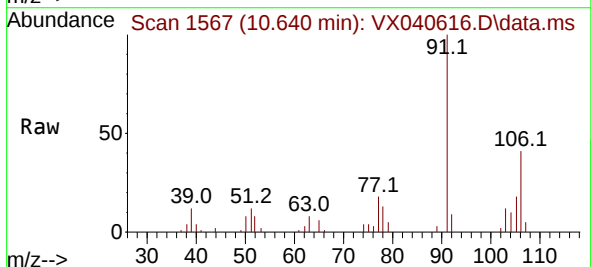
Manual Integrations
APPROVED

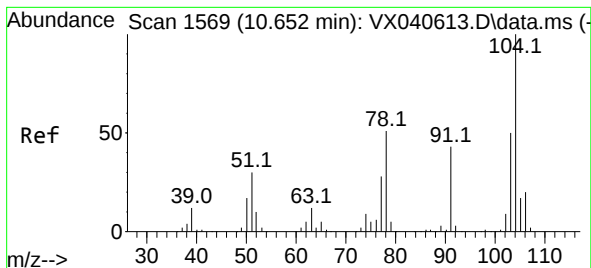
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024



#54
o-Xylene
Concen: 2.140 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

Tgt Ion:106 Resp: 3792
Ion Ratio Lower Upper
106 100
91 246.9 161.7 300.3





#55

Styrene

Concen: 1.874 ug/L

RT: 10.659 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VX040616.D

Acq: 07 Mar 2024 12:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2024-02

Tgt Ion:104 Resp: 5780

Ion Ratio Lower Upper

104 100

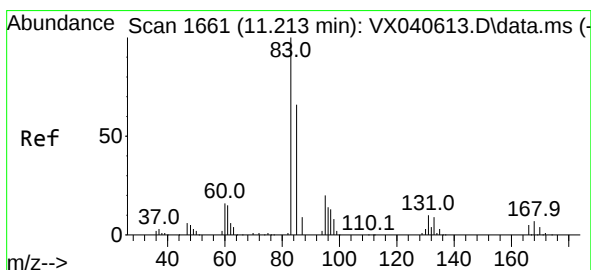
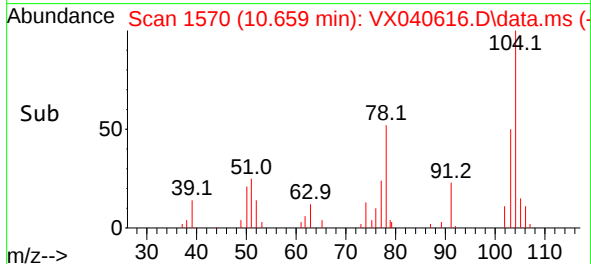
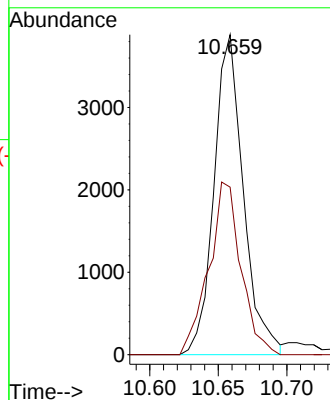
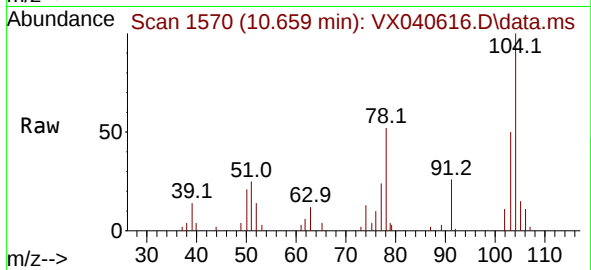
78 52.4 37.2 69.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/08/2024

Supervised By :Semsettin Yesilyurt 03/11/2024



#57

1,1,2,2-Tetrachloroethane

Concen: 2.401 ug/L

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX040616.D

Acq: 07 Mar 2024 12:28

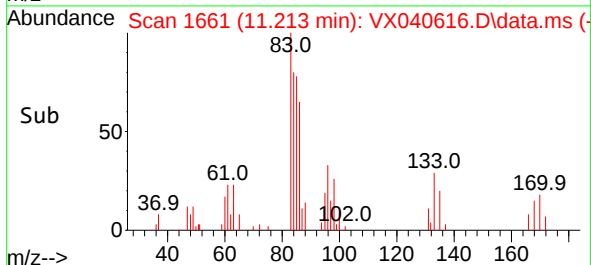
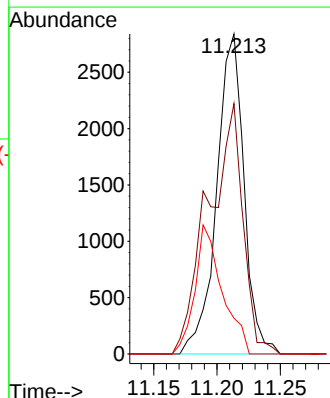
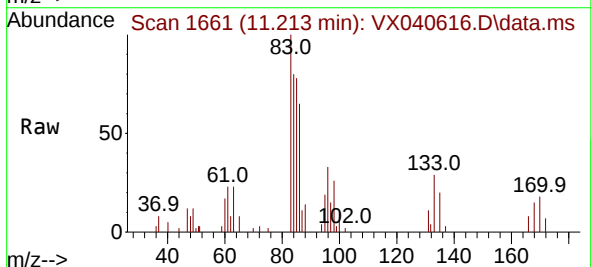
Tgt Ion: 83 Resp: 4259

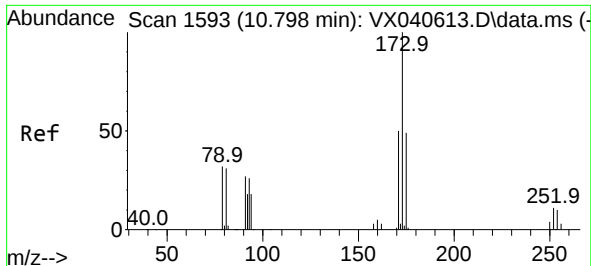
Ion Ratio Lower Upper

83 100

85 78.3 45.2 84.0

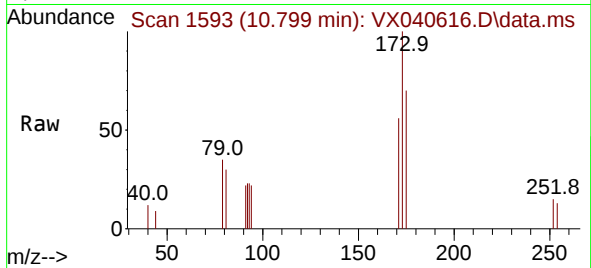
131 11.2 8.2 12.2





#59
Bromoform
Concen: 2.310 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

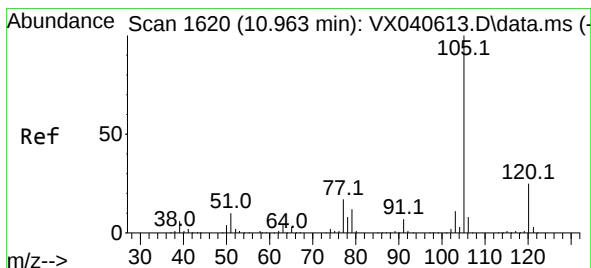
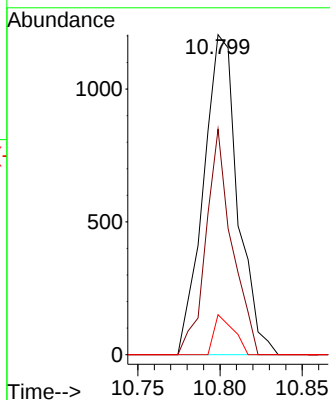
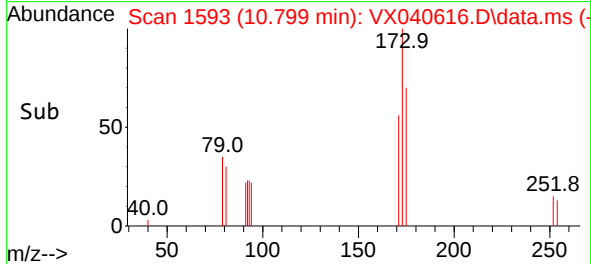
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2024-02



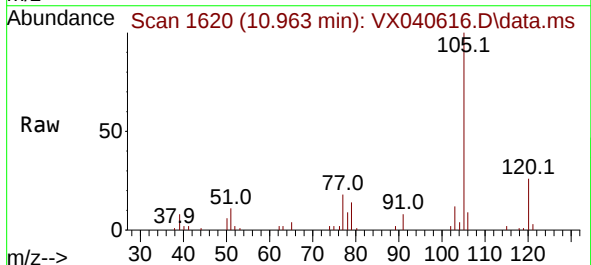
Tgt Ion:173 Resp: 1754
Ion Ratio Lower Upper
173 100
175 53.2 39.4 59.0
254 7.1 7.9 11.9

Manual Integrations
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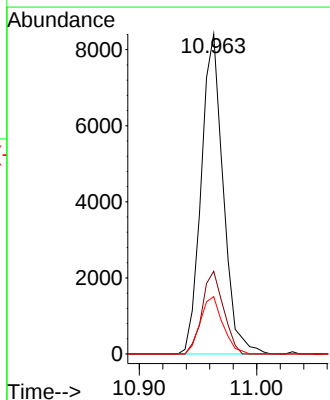
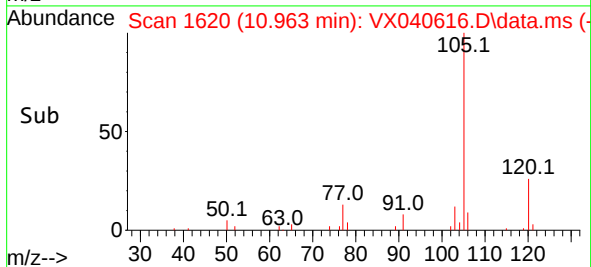
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024

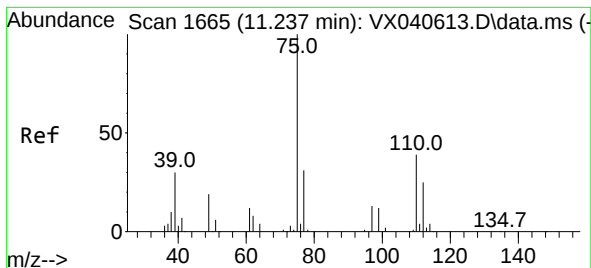


#60
Isopropylbenzene
Concen: 2.486 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28



Tgt Ion:105 Resp: 10926
Ion Ratio Lower Upper
105 100
120 25.1 20.1 30.1
77 18.3 13.9 20.9





#61

1,2,3-Trichloropropane

Concen: 2.327 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX040616.D

Acq: 07 Mar 2024 12:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2024-02

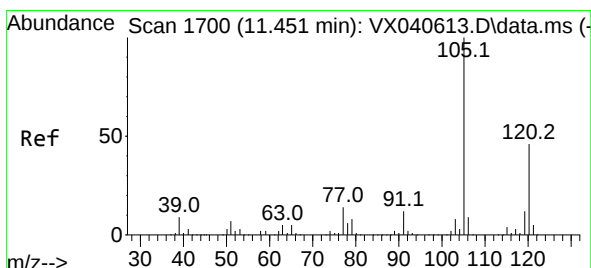
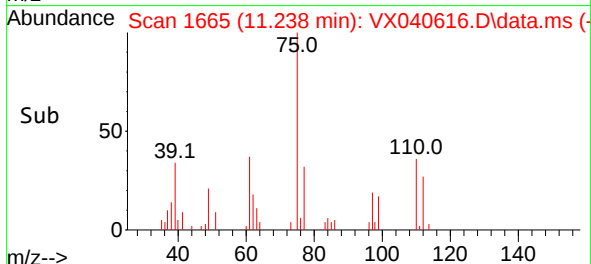
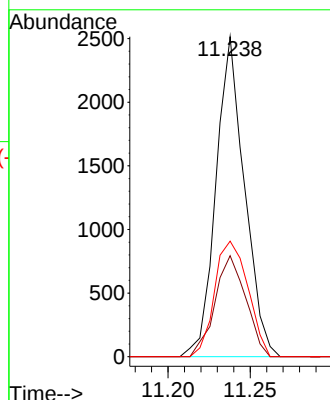
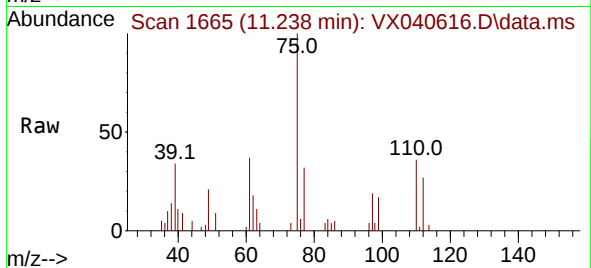
Tgt Ion:	75	Resp:	3030
Ion Ratio	Lower	Upper	
75	100		
77	34.1	25.7	38.5
110	42.0	31.0	46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/08/2024

Supervised By :Semsettin Yesilyurt 03/11/2024



#62

1,3,5-Trimethylbenzene

Concen: 2.123 ug/L

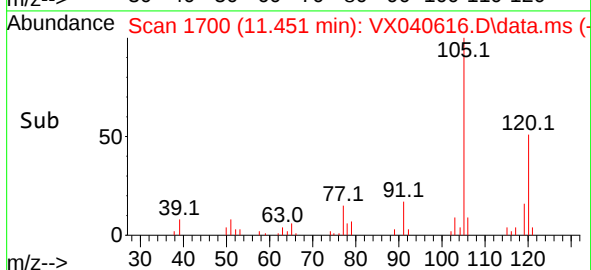
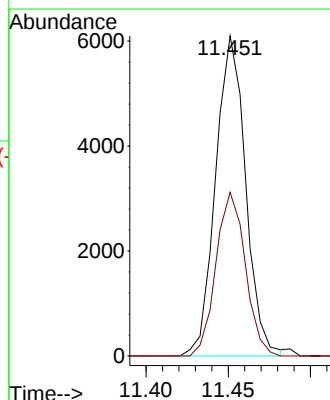
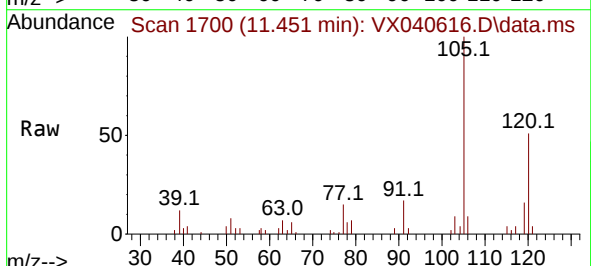
RT: 11.451 min Scan# 1700

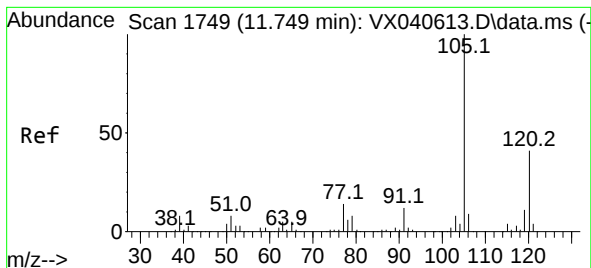
Delta R.T. 0.000 min

Lab File: VX040616.D

Acq: 07 Mar 2024 12:28

Tgt Ion:	105	Resp:	7735
Ion Ratio	Lower	Upper	
105	100		
120	50.0	36.2	54.2





#63

1,2,4-Trimethylbenzene

Concen: 2.116 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX040616.D

Acq: 07 Mar 2024 12:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2024-02

Tgt Ion:105 Resp: 771

Ion Ratio Lower Upper

105 100

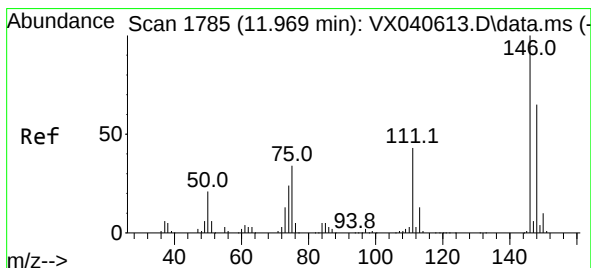
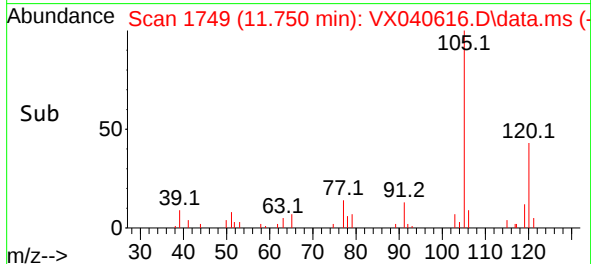
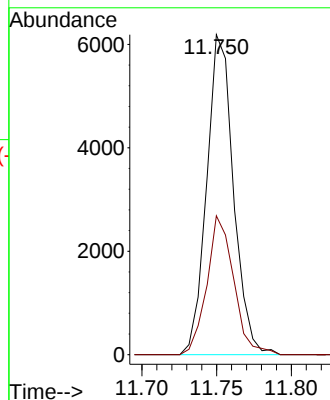
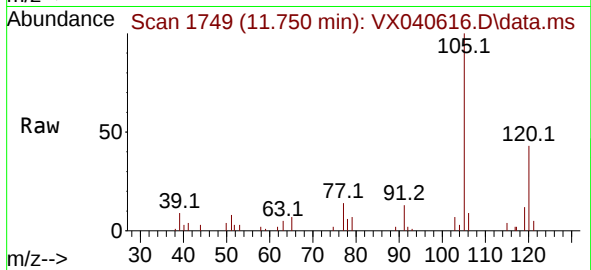
120 43.5 33.9 50.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/08/2024

Supervised By :Semsettin Yesilyurt 03/11/2024



#64

1,3-Dichlorobenzene

Concen: 2.388 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX040616.D

Acq: 07 Mar 2024 12:28

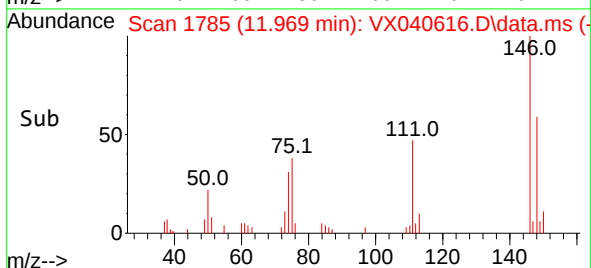
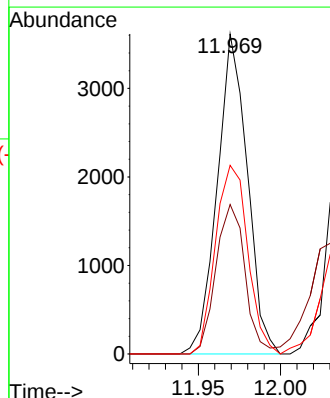
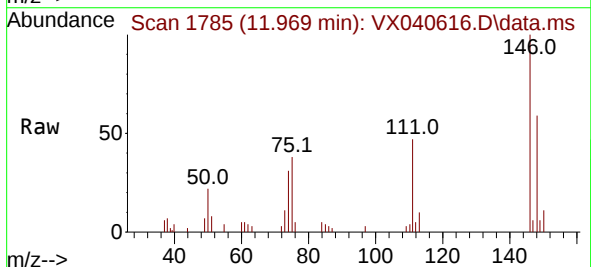
Tgt Ion:146 Resp: 4595

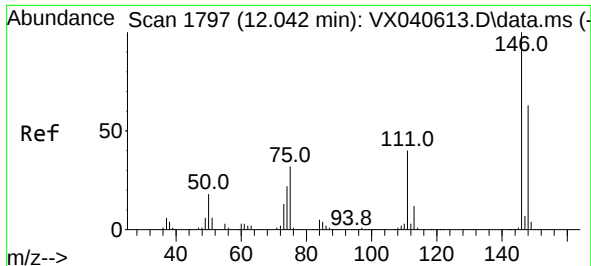
Ion Ratio Lower Upper

146 100

111 46.7 30.0 55.6

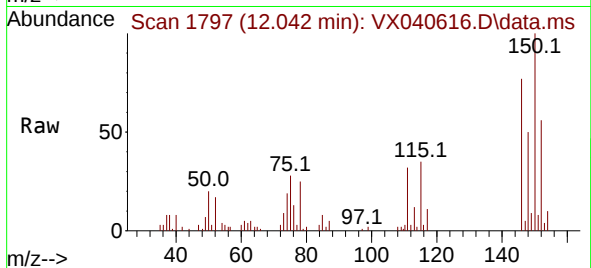
148 58.9 44.8 83.2





#65
1,4-Dichlorobenzene
Concen: 2.603 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

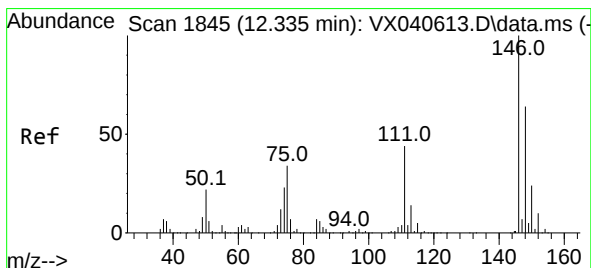
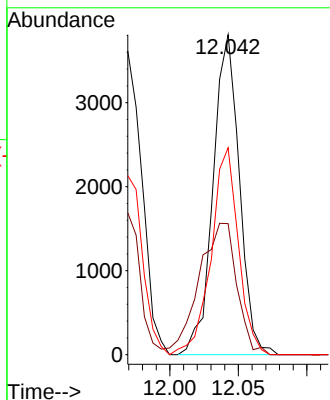
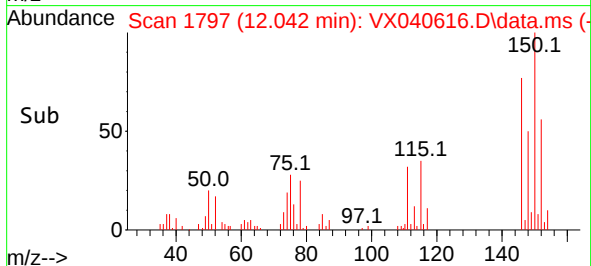
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-02



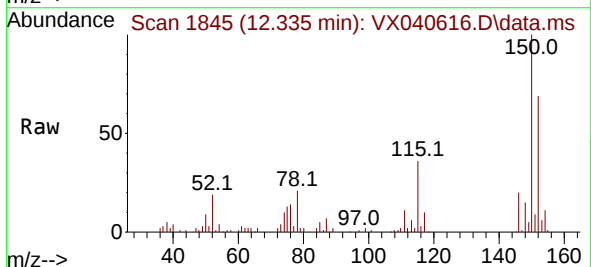
Tgt Ion:146 Resp: 5093
Ion Ratio Lower Upper
146 100
111 41.0 28.8 53.4
148 64.6 45.1 83.7

Manual Integrations
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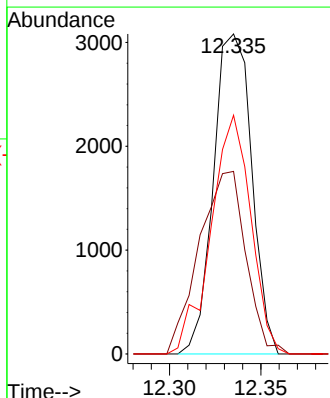
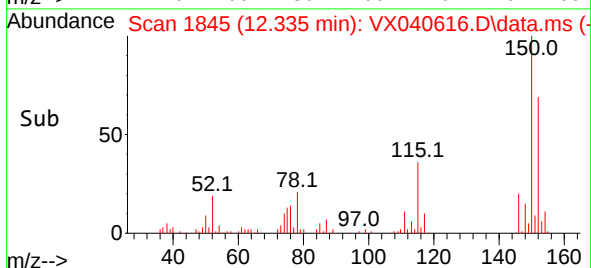
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024

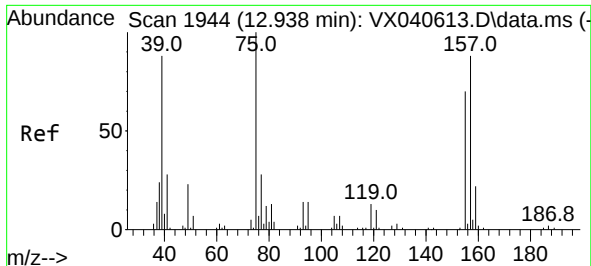


#67
1,2-Dichlorobenzene
Concen: 2.451 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28



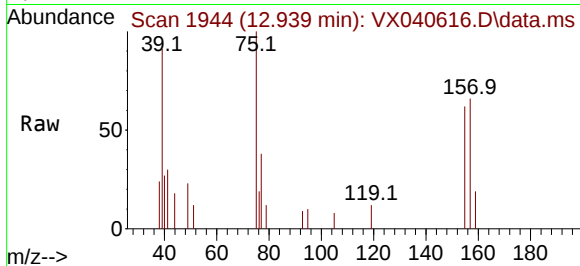
Tgt Ion:146 Resp: 4484
Ion Ratio Lower Upper
146 100
111 57.1 35.8 53.8#
148 74.6 51.0 76.4





#68
1,2-Dibromo-3-chloropropane
Concen: 2.051 ug/L m
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

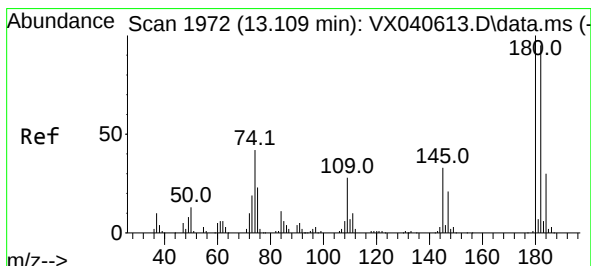
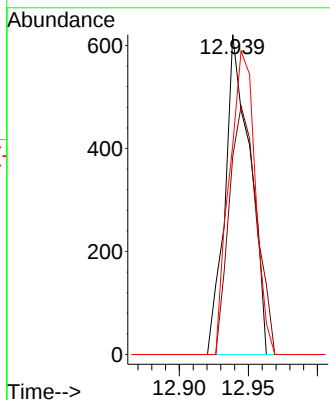
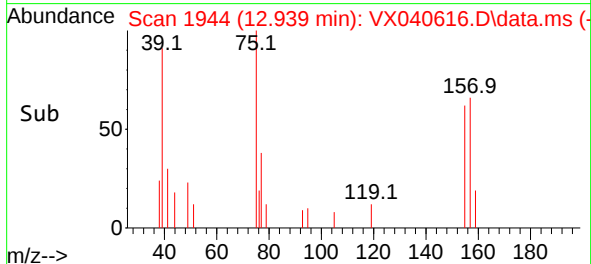
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion: 75 Resp: 78
Ion Ratio Lower Upper
75 100
155 62.0 53.9 80.9
157 65.5 64.5 96.7

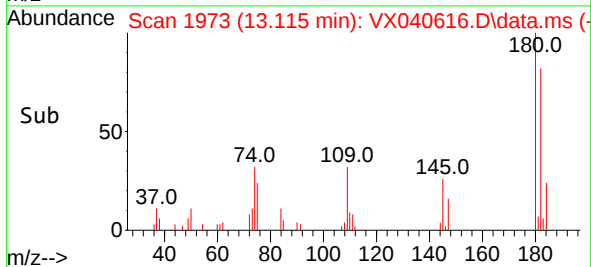
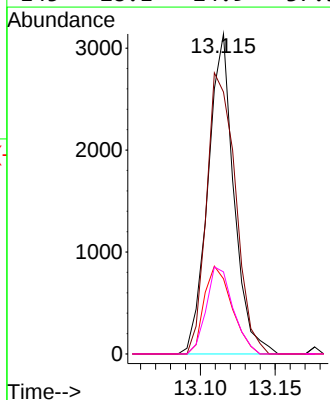
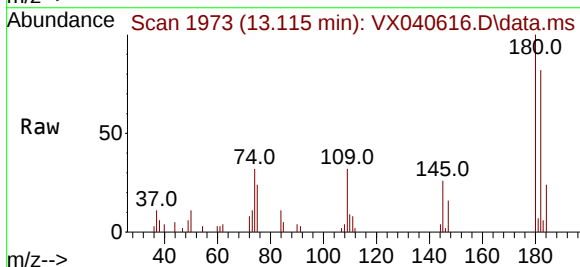
Manual Integrations
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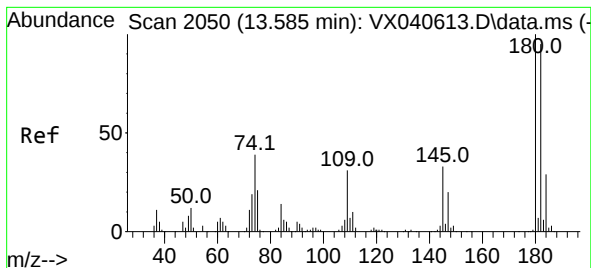
Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024



#69
1,3,5-Trichlorobenzene
Concen: 2.932 ug/L
RT: 13.115 min Scan# 1973
Delta R.T. 0.006 min
Lab File: VX040616.D
Acq: 07 Mar 2024 12:28

Tgt Ion:180 Resp: 3787
Ion Ratio Lower Upper
180 100
182 97.5 76.6 115.0
184 29.3 24.3 36.5
145 28.1 24.9 37.3





#70

1,2,4-trichlorobenzene

Concen: 2.889 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX040616.D

Acq: 07 Mar 2024 12:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2024-02

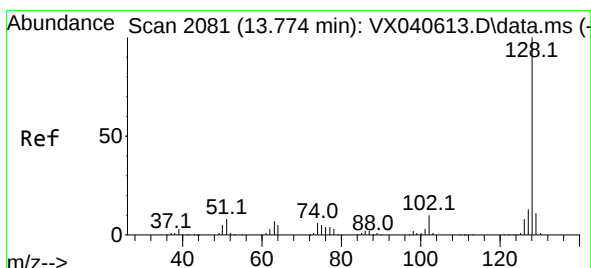
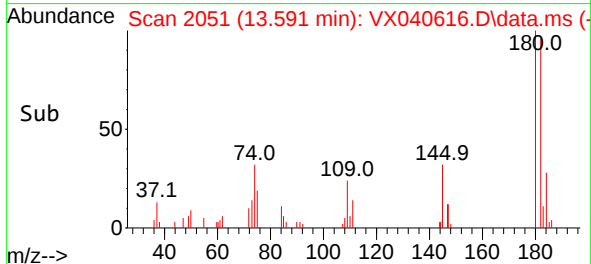
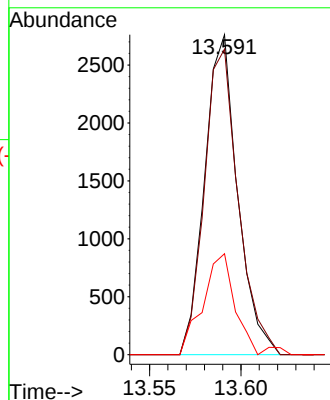
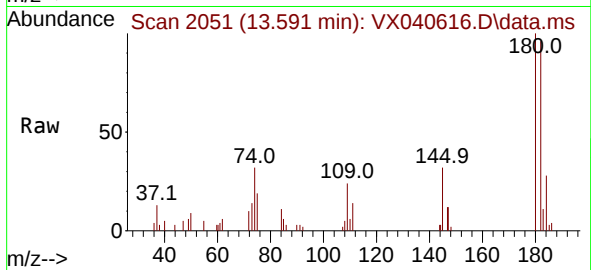
Tgt Ion:180	Resp:	3460
Ion Ratio	Lower	Upper
180	100	
182	98.3	75.1 112.7
145	30.4	26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/08/2024

Supervised By :Semsettin Yesilyurt 03/11/2024



#71

Naphthalene

Concen: 2.359 ug/L

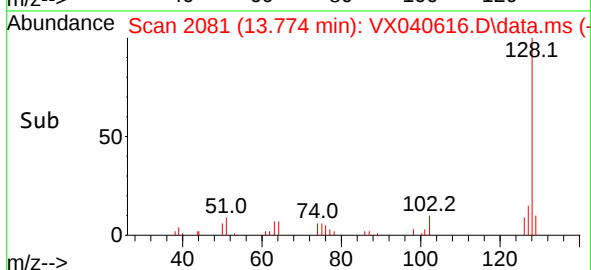
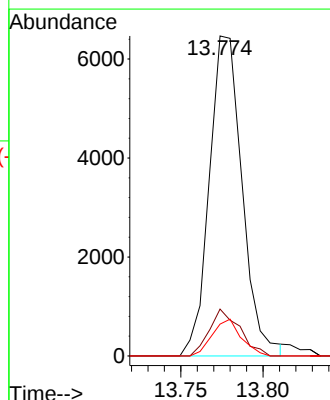
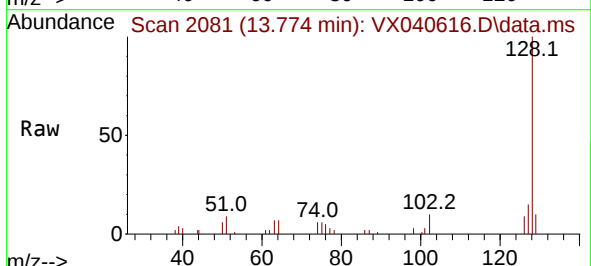
RT: 13.774 min Scan# 2081

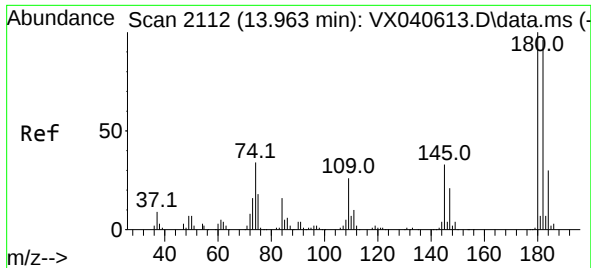
Delta R.T. 0.000 min

Lab File: VX040616.D

Acq: 07 Mar 2024 12:28

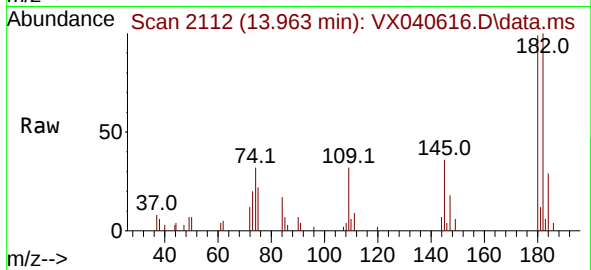
Tgt Ion:128	Resp:	8980
Ion Ratio	Lower	Upper
128	100	
127	13.7	10.4 15.6
129	10.1	8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 2.950 ug/L
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX040616.D
 Acq: 07 Mar 2024 12:28

Instrument : MSVOA_X
 ClientSampleId : MDL-WATER-QT1-2024-02



Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.9	115.3
145	32.1	27.8	41.8

Manual Integrations
 APPROVED

Reviewed By :John Carlone 03/08/2024
 Supervised By :Semsettin Yesilyurt 03/11/2024

