

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073024\
 Data File : VX042740.D
 Acq On : 30 Jul 2024 15:32
 Operator : JC/MD
 Sample : P3391-01 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT3-2024-05

Quant Time: Jul 31 06:03:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML072624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 31 03:10:58 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/31/2024
 Supervised By : Semsettin Yesilyurt 07/31/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	141258	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	124629	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	50232	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	39241	45.725	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.460%		
7) Chloroethane-d5	1.648	69	17359	49.087	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.180%		
11) 1,1-Dichloroethene-d2	2.294	65	20885	49.392	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.780%		
21) 2-Butanone-d5	4.471	46	59523	93.581	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.580%		
24) Chloroform-d	5.056	84	89485	47.638	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.280%		
26) 1,2-Dichloroethane-d4	5.958	65	60806	50.176	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.360%		
32) Benzene-d6	5.971	84	179348	51.852	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.700%		
36) 1,2-Dichloropropane-d6	7.312	67	52288	51.078	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.160%		
41) Toluene-d8	8.647	98	159209	51.337	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.680%		
43) trans-1,3-Dichloroprop...	8.952	79	22234	46.412	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.820%		
47) 2-Hexanone-d5	9.391	63	43288	94.579	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	94.580%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	71244	48.336	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.680%		
66) 1,2-Dichlorobenzene-d4	12.323	152	50035	52.706	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	2558m	2.050	ug/L	
3) Chloromethane	1.301	50	2081	2.016	ug/L	88
5) Vinyl chloride	1.374	62	2286	2.330	ug/L #	74
6) Bromomethane	1.599	94	627	2.043	ug/L	90
8) Chloroethane	1.673	64	870m	2.422	ug/L	
9) Trichlorofluoromethane	1.874	101	2649	1.908	ug/L	85
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	2597	2.603	ug/L	89
12) 1,1-Dichloroethene	2.313	96	2524	2.764	ug/L #	1
13) Acetone	2.392	43	2358	4.743	ug/L	90
14) Carbon disulfide	2.508	76	3857m	1.730	ug/L	
15) Methyl Acetate	2.715	43	2390m	2.169	ug/L	
16) Methylene chloride	2.788	84	2610	2.475	ug/L	90
17) trans-1,2-Dichloroethene	3.087	96	1904	2.032	ug/L	88
18) Methyl tert-butyl Ether	3.123	73	6388	1.967	ug/L	93
19) 1,1-Dichloroethane	3.611	63	3549	1.983	ug/L	95
20) cis-1,2-Dichloroethene	4.477	96	2381m	2.224	ug/L	
22) 2-Butanone	4.587	43	3122m	4.123	ug/L	
23) Bromochloromethane	4.910	128	1158m	2.285	ug/L	
27) 1,2-Dichloroethane	6.092	62	3356	2.215	ug/L	97

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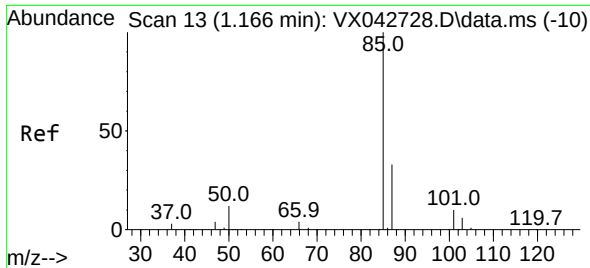
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXMLM072624WMA.M
 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.471	56	2854m	1.937	ug/L	
30) 1,1,1-Trichloroethane	5.391	97	3374m	2.119	ug/L	
31) Carbon tetrachloride	5.678	117	2507	1.864	ug/L	88
33) Benzene	6.038	78	7981	2.093	ug/L	100
35) Methylcyclohexane	7.379	83	3170	2.055	ug/L	97
37) 1,2-Dichloropropane	7.446	63	2013m	2.031	ug/L	
38) Bromodichloromethane	7.836	83	2449	1.912	ug/L #	80
39) cis-1,3-Dichloropropene	8.379	75	2980	1.959	ug/L	97
40) 4-Methyl-2-pentanone	8.580	43	4516	3.311	ug/L #	94
42) Toluene	8.720	91	8286	2.109	ug/L	82
44) trans-1,3-Dichloropropene	8.982	75	2405m	1.744	ug/L	
45) 1,1,2-Trichloroethane	9.159	97	2043	2.041	ug/L	87
46) Tetrachloroethene	9.269	164	1493	2.148	ug/L	88
48) 2-Hexanone	9.439	43	4536	4.277	ug/L #	86
49) Dibromochloromethane	9.525	129	1842	1.970	ug/L	94
50) 1,2-Dibromoethane	9.610	107	2159	2.073	ug/L #	73
51) Chlorobenzene	10.080	112	5441	2.142	ug/L #	88
52) Ethylbenzene	10.195	91	8203	1.904	ug/L	95
53) m,p-Xylene	10.305	106	3193m	1.967	ug/L	
54) o-Xylene	10.647	106	3293	2.039	ug/L	77
55) Styrene	10.659	104	4773	1.773	ug/L	93
57) 1,1,2,2-Tetrachloroethane	11.214	83	3669	2.292	ug/L #	94
59) Bromoform	10.805	173	1236	2.193	ug/L #	92
60) Isopropylbenzene	10.964	105	7605	2.004	ug/L	95
61) 1,2,3-Trichloropropane	11.244	75	2605	2.242	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	6172	1.955	ug/L	97
63) 1,2,4-Trimethylbenzene	11.756	105	5450	1.749	ug/L	93
64) 1,3-Dichlorobenzene	11.969	146	3471	2.126	ug/L	89
65) 1,4-Dichlorobenzene	12.043	146	3963	2.410	ug/L	87
67) 1,2-Dichlorobenzene	12.335	146	3821	2.325	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.945	75	690m	2.229	ug/L	
69) 1,3,5-Trichlorobenzene	13.116	180	2070	2.044	ug/L	95
70) 1,2,4-trichlorobenzene	13.591	180	1627	1.832	ug/L	96
71) Naphthalene	13.780	128	5782	1.688	ug/L	98
72) 1,2,3-Trichlorobenzene	13.957	180	1783	1.939	ug/L	98

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



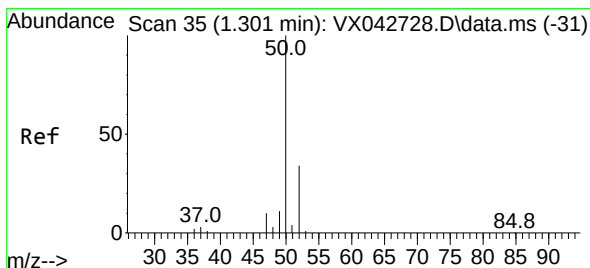
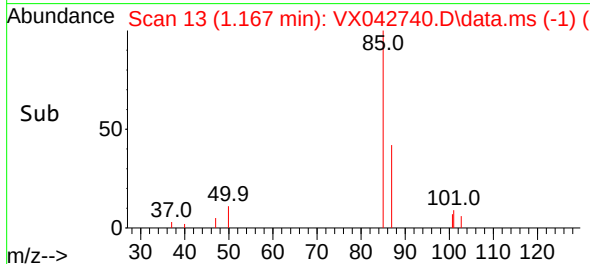
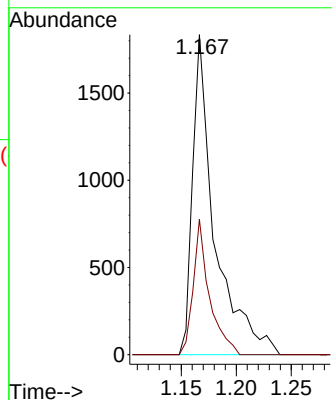
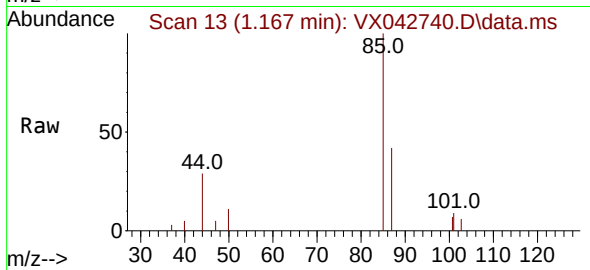
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Dichlorodifluoromethane
Concen: 2.050 ug/L m
RT: 1.167 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2024-05

Tgt Ion: 85 Resp: 2558
Ion Ratio Lower Upper
85 100
87 31.0 25.8 38.8

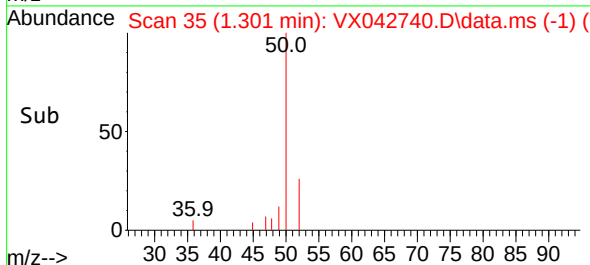
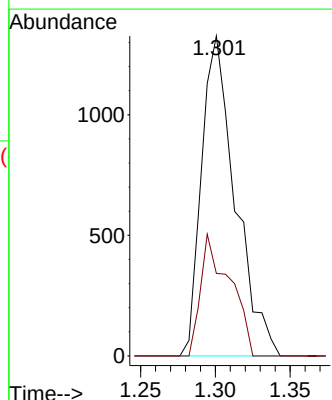
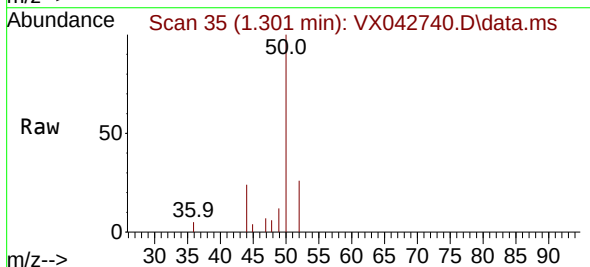
Manual Integrations
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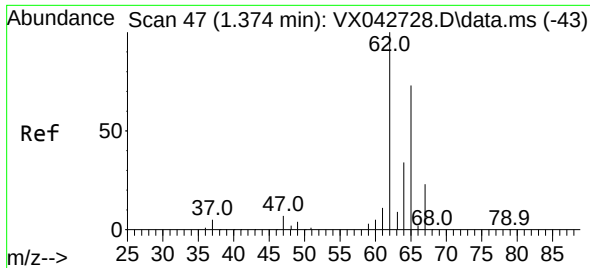
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#3
Chloromethane
Concen: 2.016 ug/L
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

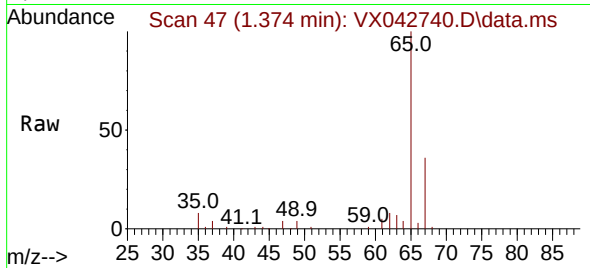
Tgt Ion: 50 Resp: 2081
Ion Ratio Lower Upper
50 100
52 25.8 23.0 42.6





#5
 Vinyl chloride
 Concen: 2.330 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX042740.D
 Acq: 30 Jul 2024 15:32

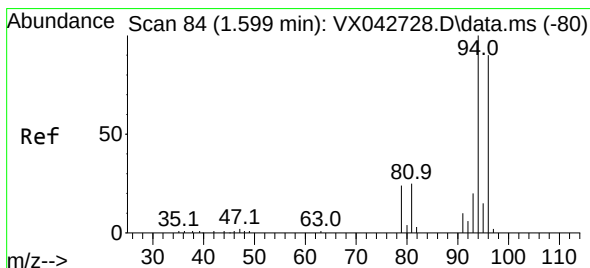
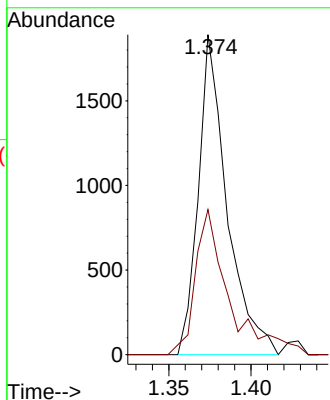
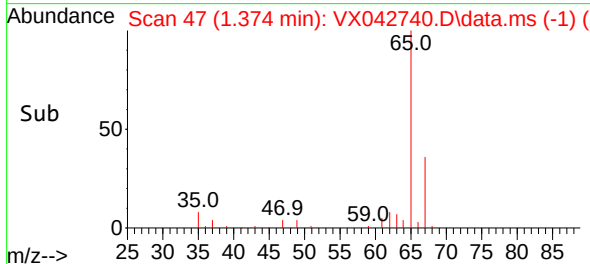
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT3-2024-05



Tgt Ion: 62 Resp: 2280
 Ion Ratio Lower Upper
 62 100
 64 45.3 21.6 40.0

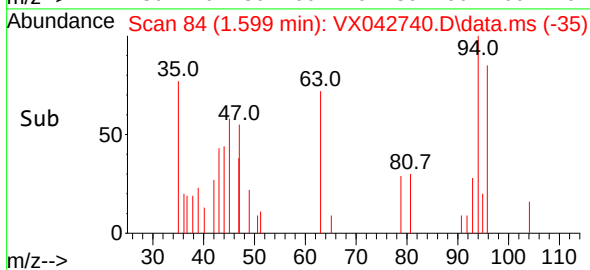
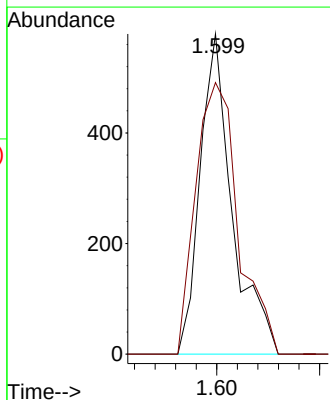
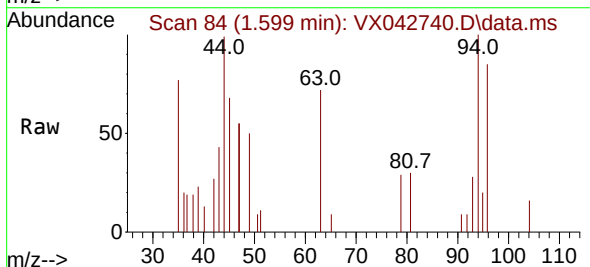
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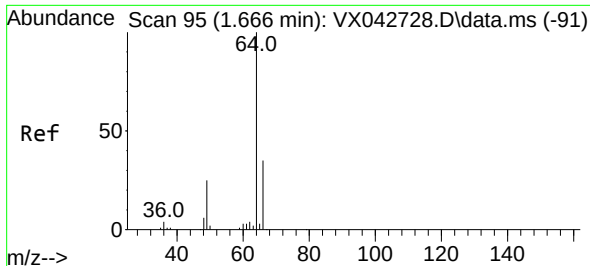
Reviewed By :John Carlone 07/31/2024
 Supervised By :Semsettin Yesilyurt 07/31/2024



#6
 Bromomethane
 Concen: 2.043 ug/L
 RT: 1.599 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VX042740.D
 Acq: 30 Jul 2024 15:32

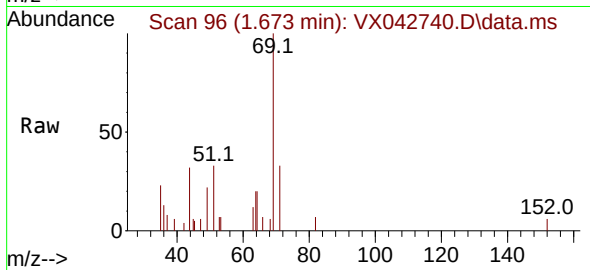
Tgt Ion: 94 Resp: 627
 Ion Ratio Lower Upper
 94 100
 96 84.8 66.1 122.7





#8
Chloroethane
Concen: 2.422 ug/L m
RT: 1.673 min Scan# 90
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

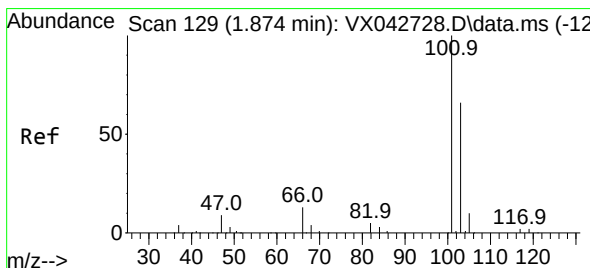
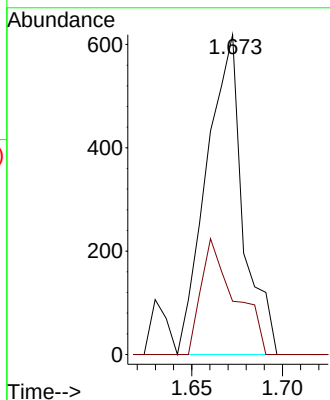
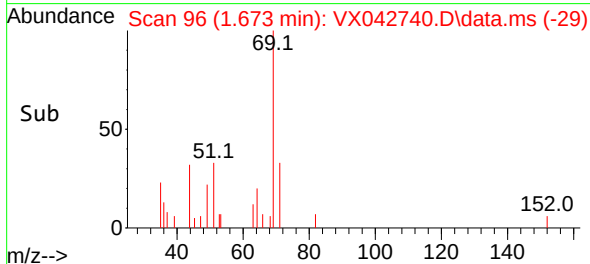
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2024-05



Tgt Ion: 64 Resp: 870
Ion Ratio Lower Upper
64 100
66 32.8 21.4 39.8

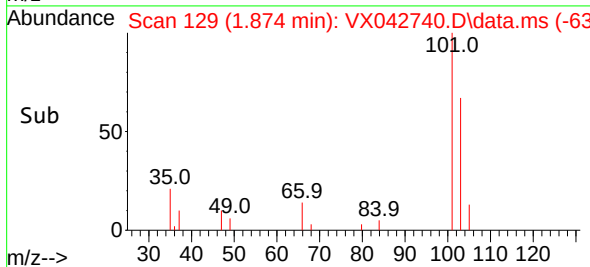
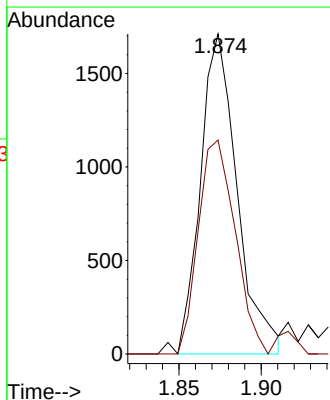
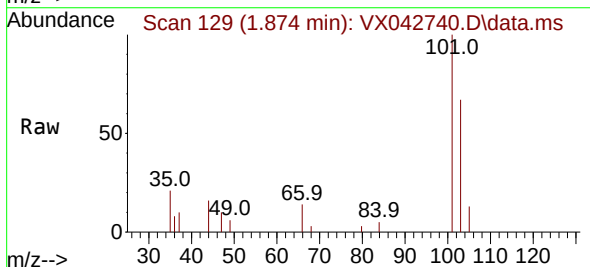
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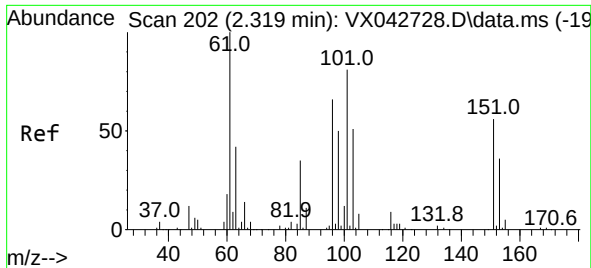
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#9
Trichlorofluoromethane
Concen: 1.908 ug/L
RT: 1.874 min Scan# 129
Delta R.T. 0.000 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

Tgt Ion:101 Resp: 2649
Ion Ratio Lower Upper
101 100
103 67.3 45.2 67.8





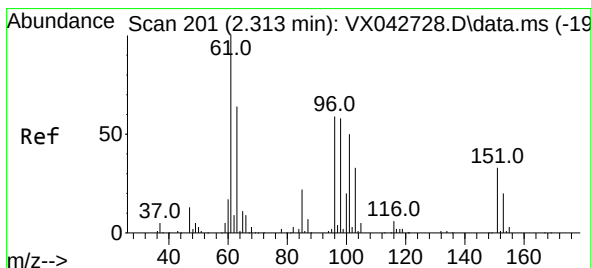
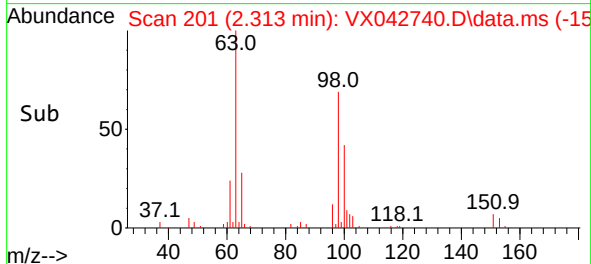
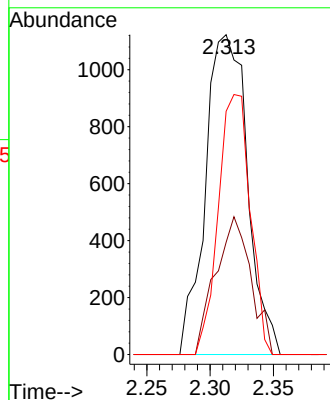
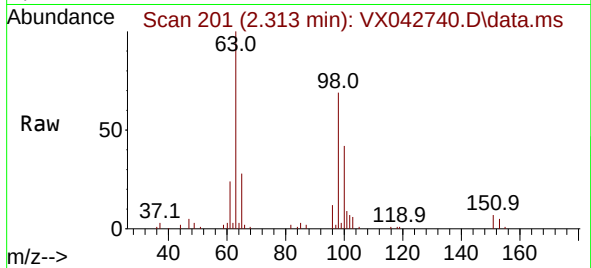
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.603 ug/L
RT: 2.313 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2024-05

Tgt Ion:101 Resp: 259
Ion Ratio Lower Upper
101 100
85 36.3 34.4 51.6
151 61.8 56.6 85.0

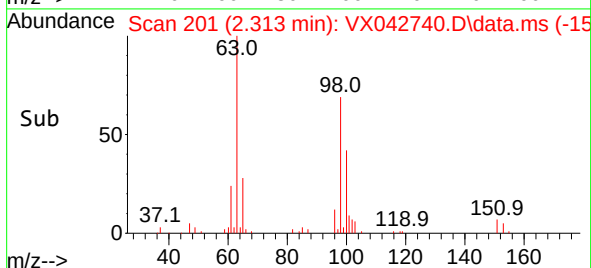
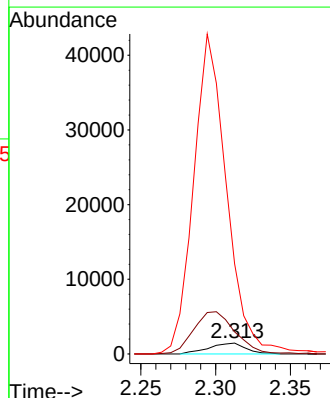
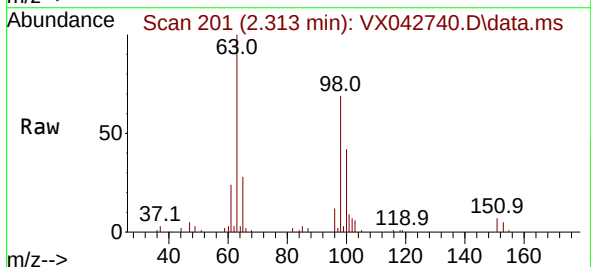
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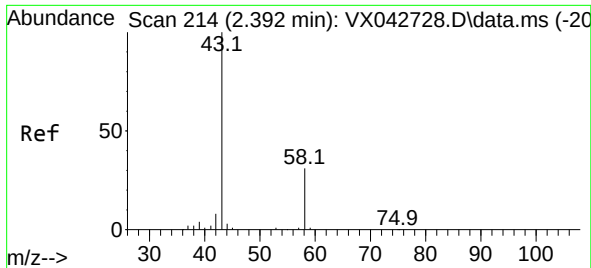
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#12
1,1-Dichloroethene
Concen: 2.764 ug/L
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

Tgt Ion: 96 Resp: 2524
Ion Ratio Lower Upper
96 100
61 201.7 113.0 209.9
63 825.8 70.5 130.9#





#13

Acetone

Concen: 4.743 ug/L

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX042740.D

Acq: 30 Jul 2024 15:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2024-05

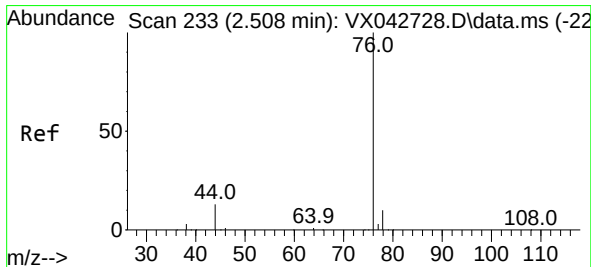
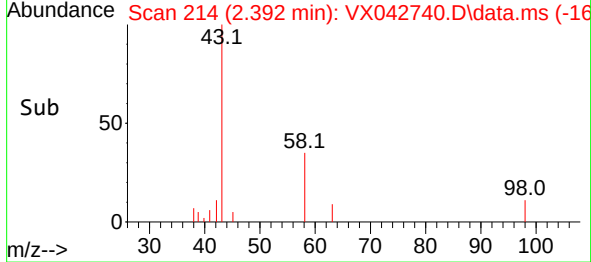
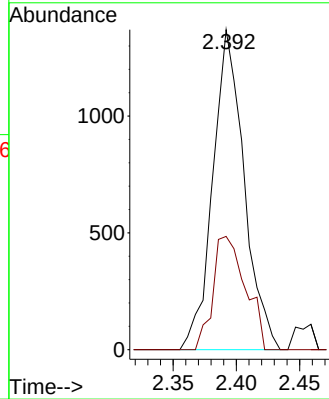
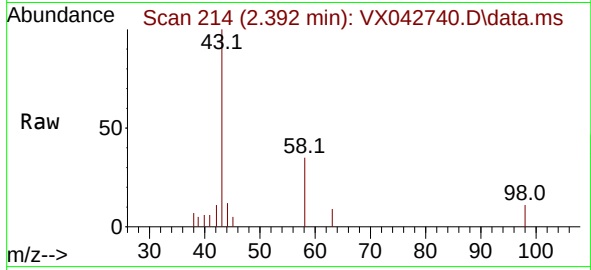
Tgt Ion: 43 Resp: 2358
Ion Ratio Lower Upper
43 100
58 36.8 0.0 62.4

Manual Integrations

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Supervised By :Semsettin Yesilyurt 07/31/2024



#14

Carbon disulfide

Concen: 1.730 ug/L m

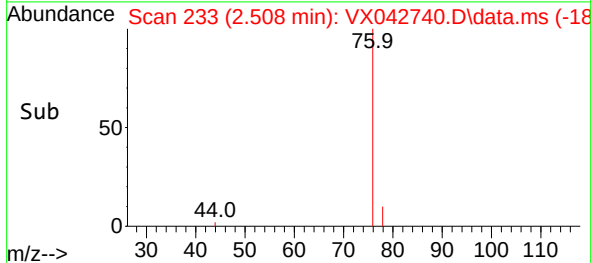
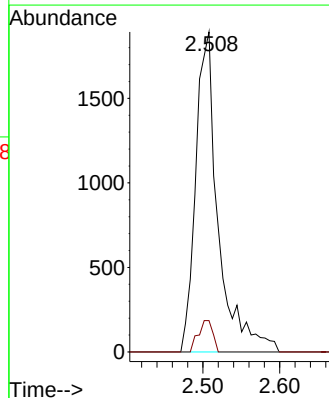
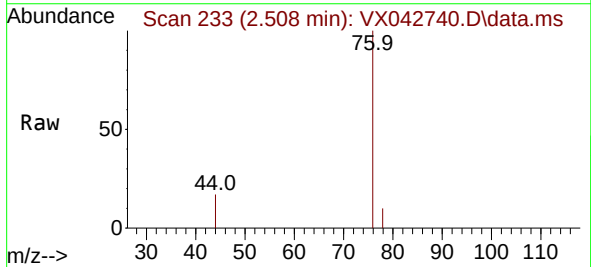
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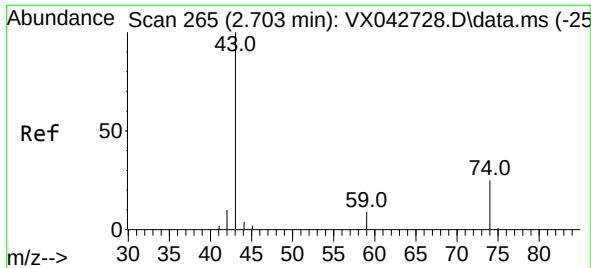
Delta R.T. 0.000 min

Lab File: VX042740.D

Acq: 30 Jul 2024 15:32

Tgt Ion: 76 Resp: 3857
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.6





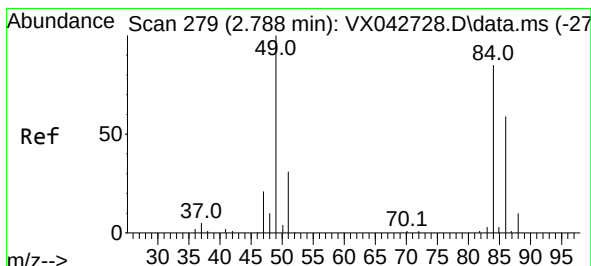
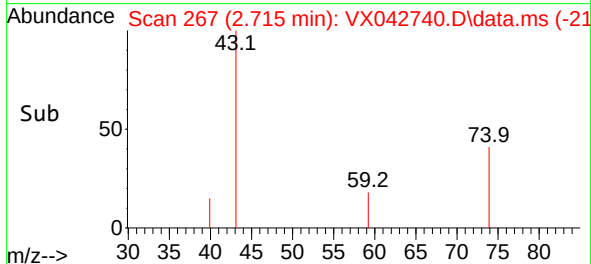
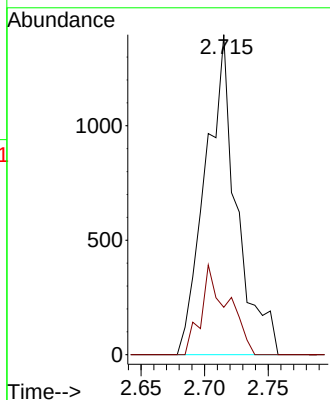
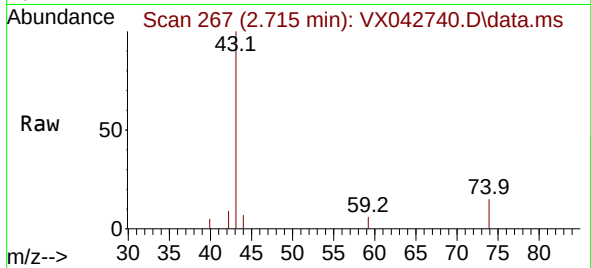
#15
Methyl Acetate
Concen: 2.169 ug/L m
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2024-05

Tgt Ion: 43 Resp: 2390
Ion Ratio Lower Upper
43 100
74 16.9 21.0 31.4

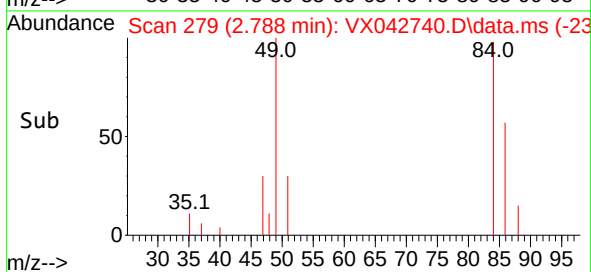
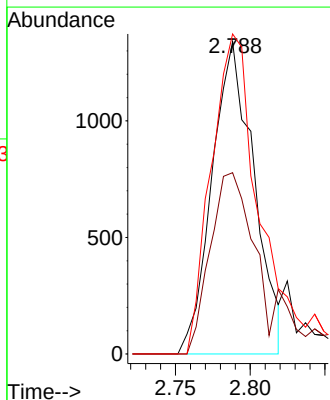
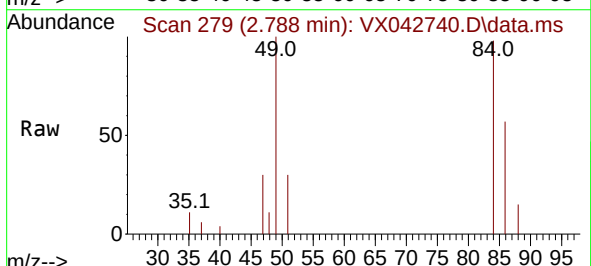
Manual Integrations
APPROVED

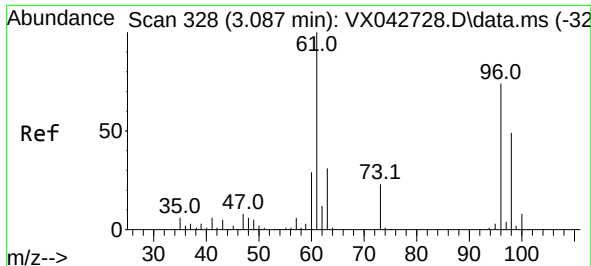
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#16
Methylene chloride
Concen: 2.475 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

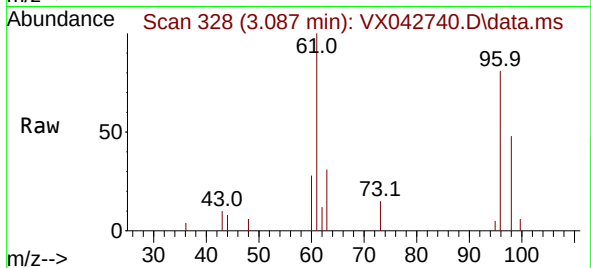
Tgt Ion: 84 Resp: 2610
Ion Ratio Lower Upper
84 100
86 58.1 43.5 80.7
49 102.5 81.1 150.7





#17
trans-1,2-Dichloroethene
Concen: 2.032 ug/L
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

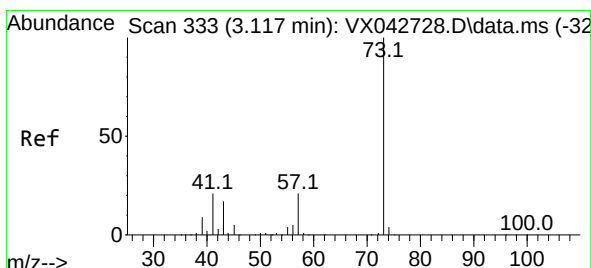
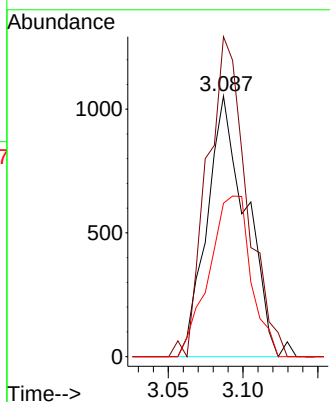
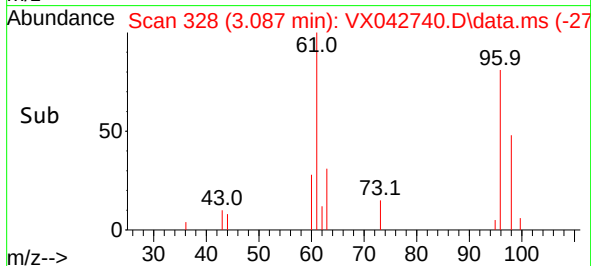
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2024-05



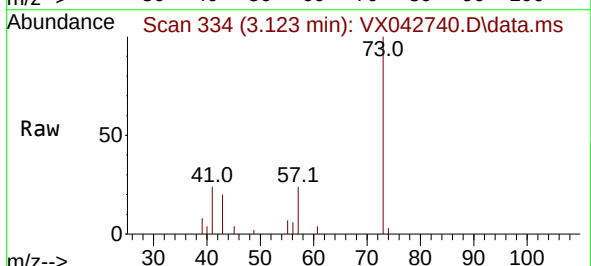
Tgt Ion: 96 Resp: 1904
Ion Ratio Lower Upper
96 100
61 122.8 99.3 184.3
98 58.9 43.8 81.3

Manual Integrations
APPROVED

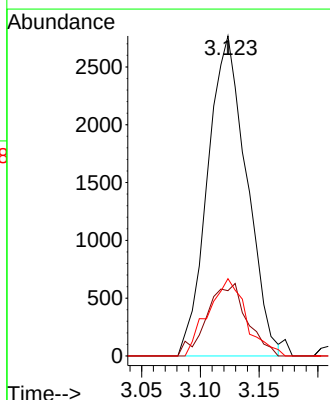
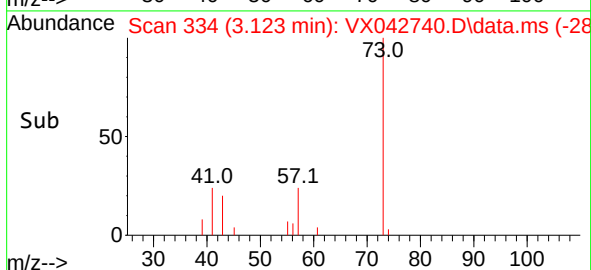
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024

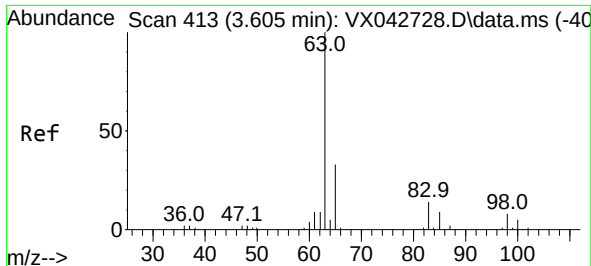


#18
Methyl tert-butyl Ether
Concen: 1.967 ug/L
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32



Tgt Ion: 73 Resp: 6388
Ion Ratio Lower Upper
73 100
43 23.1 15.4 23.2
57 23.7 16.9 25.3





#19

1,1-Dichloroethane

Concen: 1.983 ug/L

RT: 3.611 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX042740.D

Acq: 30 Jul 2024 15:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2024-05

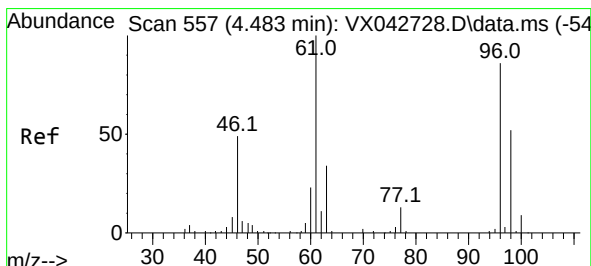
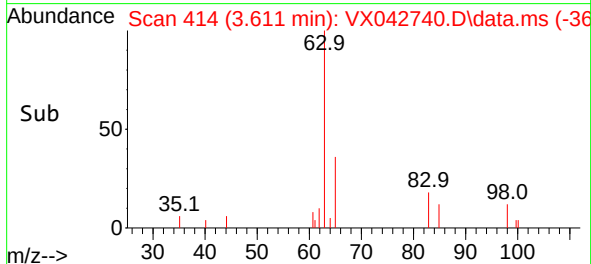
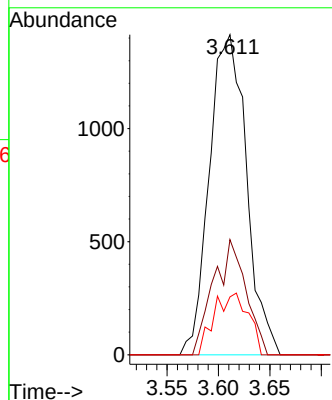
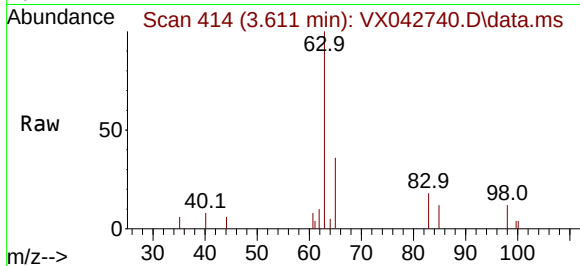
Tgt Ion: 63	Resp: 3549
Ion Ratio	Lower Upper
63 100	
65 36.0	23.6 43.8
83 18.1	10.9 20.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2024

Supervised By :Semsettin Yesilyurt 07/31/2024



#20

cis-1,2-Dichloroethene

Concen: 2.224 ug/L m

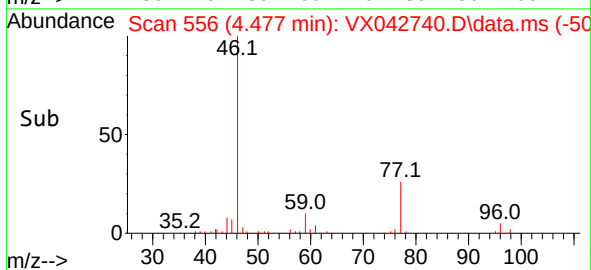
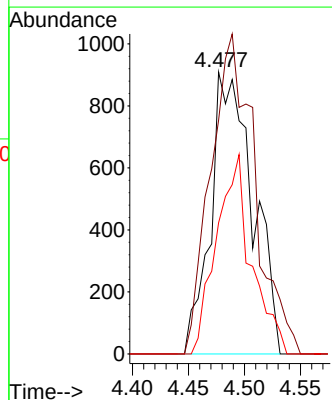
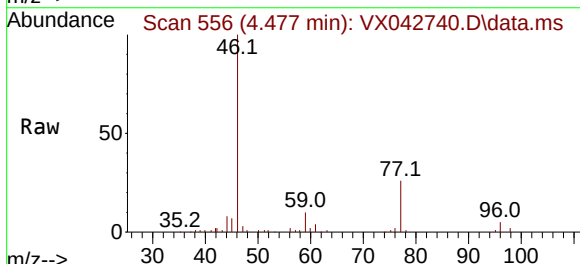
RT: 4.477 min Scan# 556

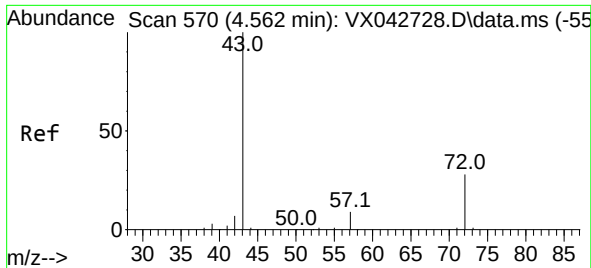
Delta R.T. -0.006 min

Lab File: VX042740.D

Acq: 30 Jul 2024 15:32

Tgt Ion: 96	Resp: 2381
Ion Ratio	Lower Upper
96 100	
61 82.9	85.3 158.3#
98 46.5	42.7 79.3





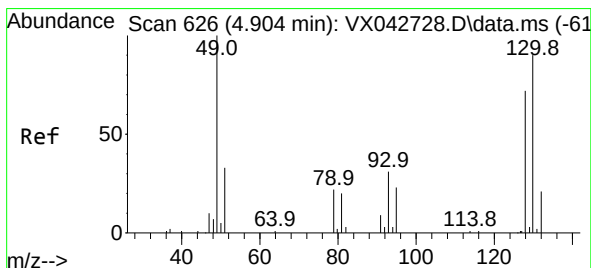
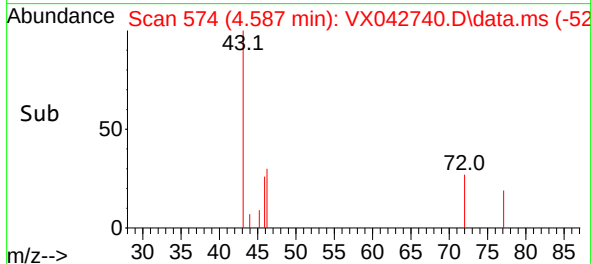
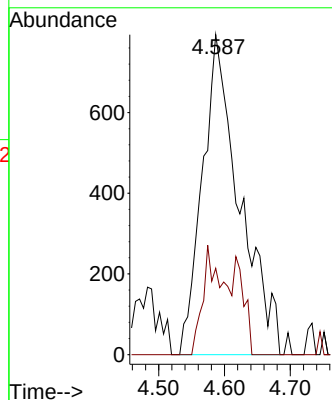
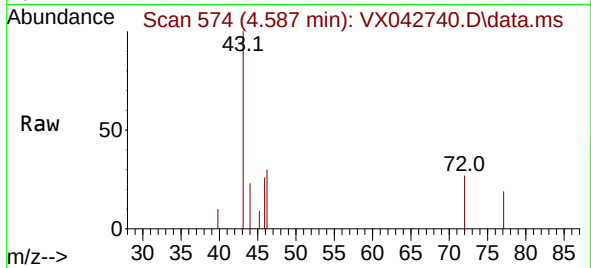
#22
2-Butanone
Concen: 4.123 ug/L m
RT: 4.587 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2024-05

Tgt Ion: 43 Resp: 312
Ion Ratio Lower Upper
43 100
72 13.2 13.4 40.2

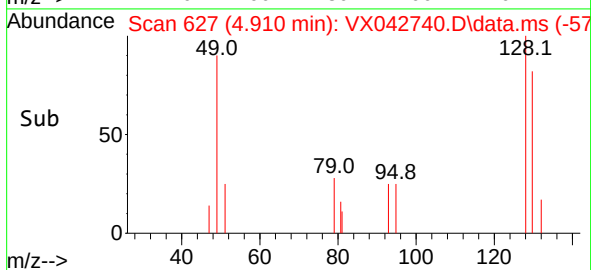
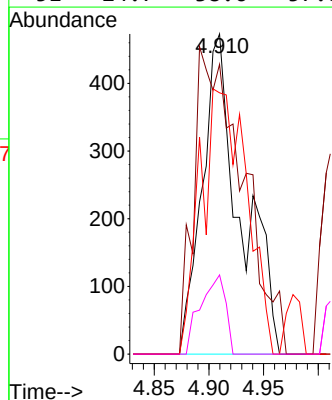
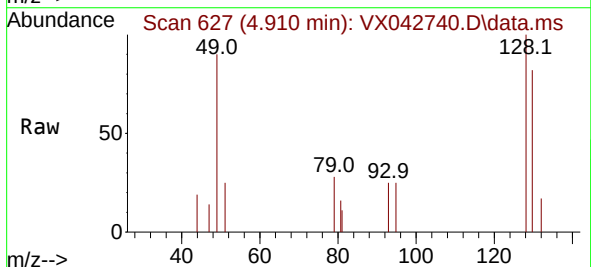
Manual Integrations
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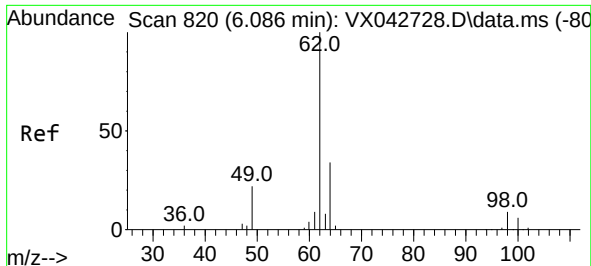
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#23
Bromochloromethane
Concen: 2.285 ug/L m
RT: 4.910 min Scan# 627
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

Tgt Ion:128 Resp: 1158
Ion Ratio Lower Upper
128 100
49 90.5 107.0 198.6#
130 81.6 85.5 158.9#
51 24.7 38.6 57.8#





#27

1,2-Dichloroethane

Concen: 2.215 ug/L

RT: 6.092 min Scan# 821

Delta R.T. 0.006 min

Lab File: VX042740.D

Acq: 30 Jul 2024 15:32

Instrument :

MSVOA_X

ClientSampleId :

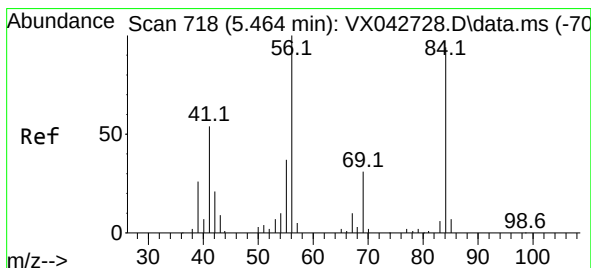
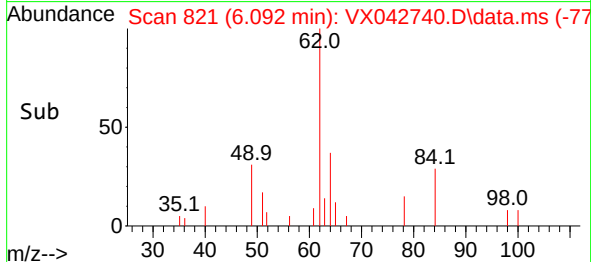
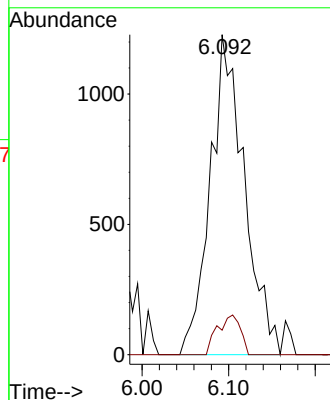
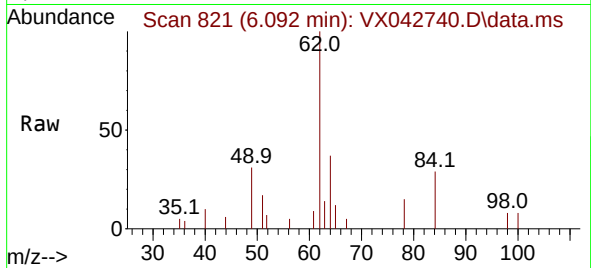
MDL-WATER-QT3-2024-05

Tgt Ion: 62 Resp: 3350
 Ion Ratio Lower Upper
 62 100
 98 7.7 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2024
 Supervised By :Semsettin Yesilyurt 07/31/2024



#29

Cyclohexane

Concen: 1.937 ug/L m

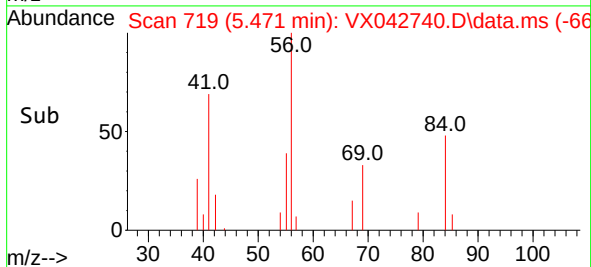
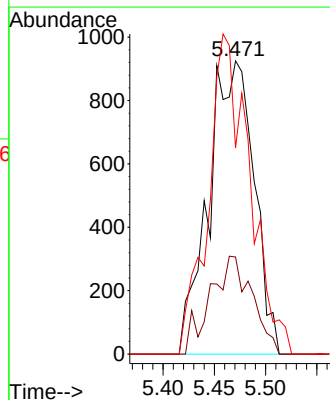
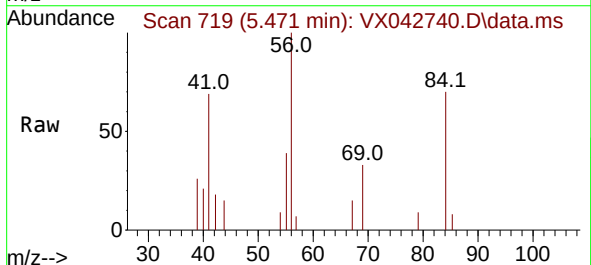
RT: 5.471 min Scan# 719

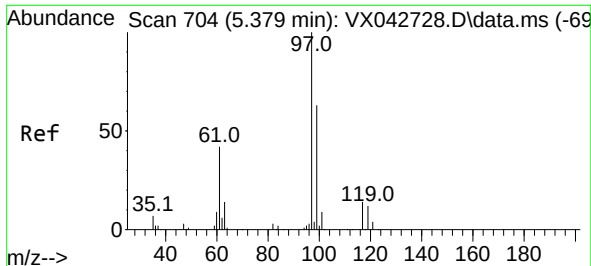
Delta R.T. 0.006 min

Lab File: VX042740.D

Acq: 30 Jul 2024 15:32

Tgt Ion: 56 Resp: 2854
 Ion Ratio Lower Upper
 56 100
 69 4.1 26.1 39.1#
 84 33.4 75.5 113.3#





#30

1,1,1-Trichloroethane

Concen: 2.119 ug/L m

RT: 5.391 min Scan# 704

Delta R.T. 0.012 min

Lab File: VX042740.D

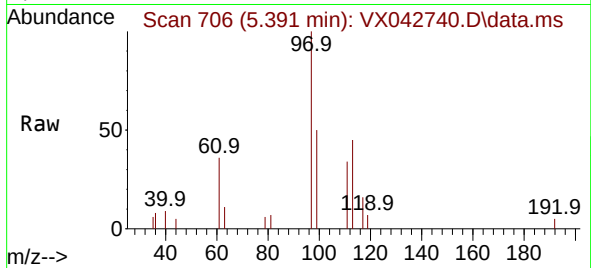
Acq: 30 Jul 2024 15:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2024-05



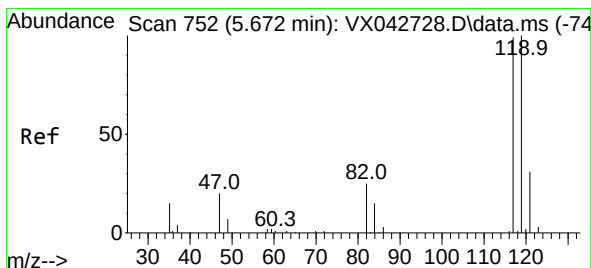
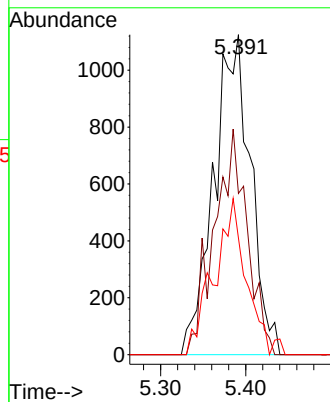
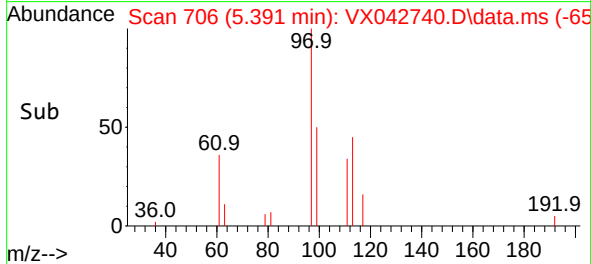
Tgt Ion: 97	Resp: 3374
Ion Ratio	Lower Upper
97	100
99	54.7 51.4 77.0
61	29.6 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2024

Supervised By :Semsettin Yesilyurt 07/31/2024



#31

Carbon tetrachloride

Concen: 1.864 ug/L

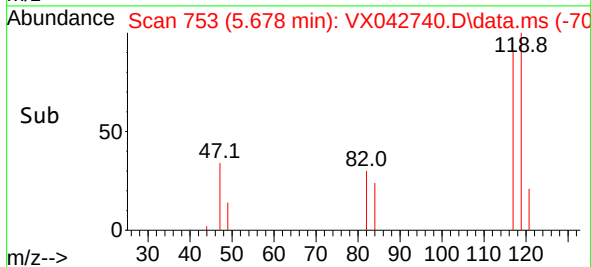
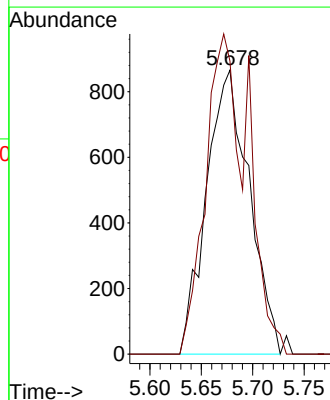
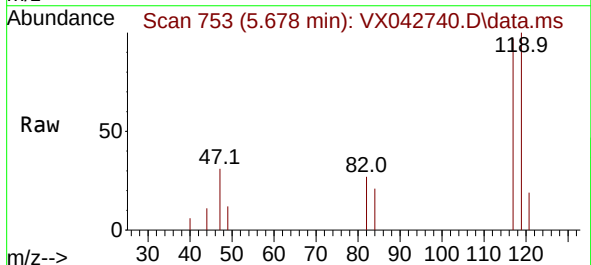
RT: 5.678 min Scan# 753

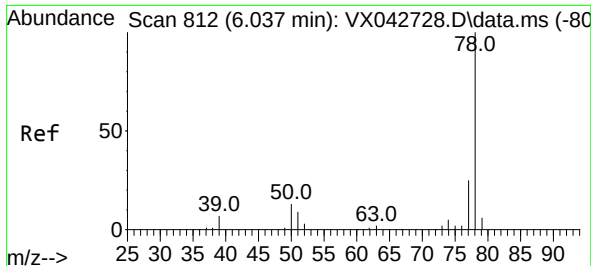
Delta R.T. 0.006 min

Lab File: VX042740.D

Acq: 30 Jul 2024 15:32

Tgt Ion:117	Resp: 2507
Ion Ratio	Lower Upper
117	100
119	83.9 76.2 114.2





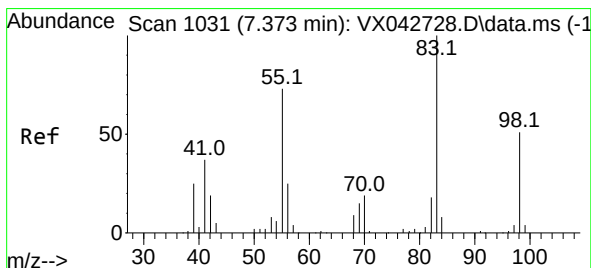
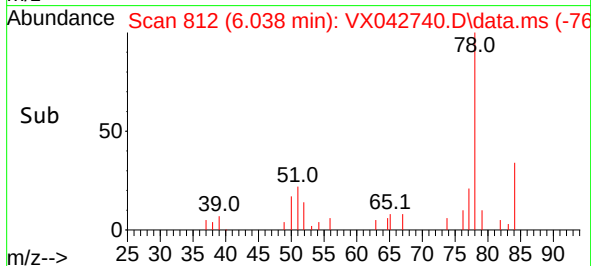
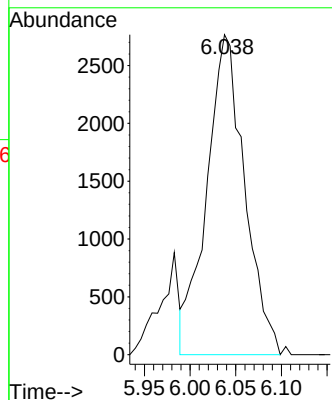
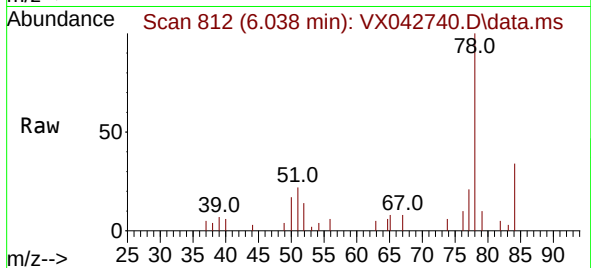
#33
Benzene
Concen: 2.093 ug/L
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2024-05

Tgt Ion: 78 Resp: 798

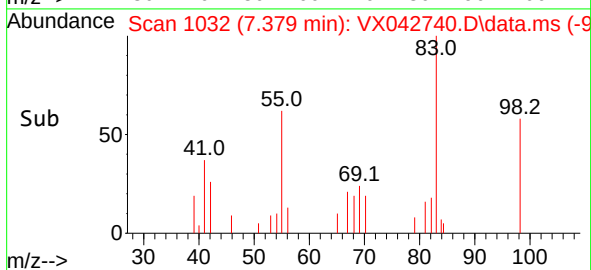
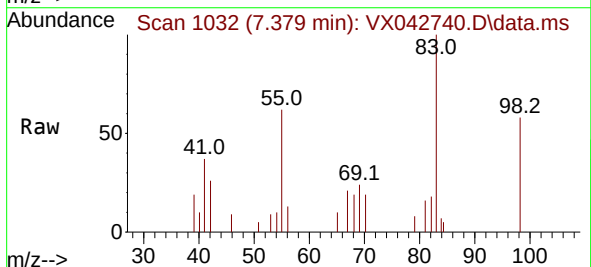
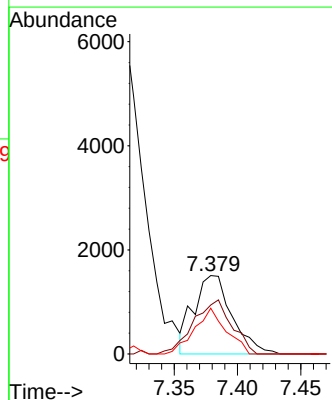
Manual Integrations
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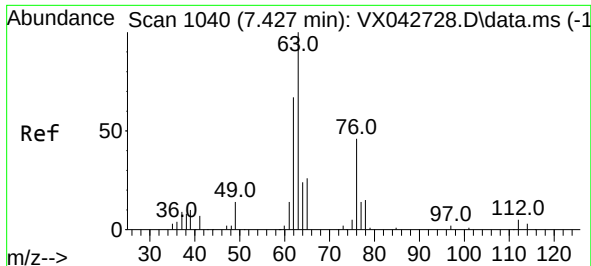
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#35
Methylcyclohexane
Concen: 2.055 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

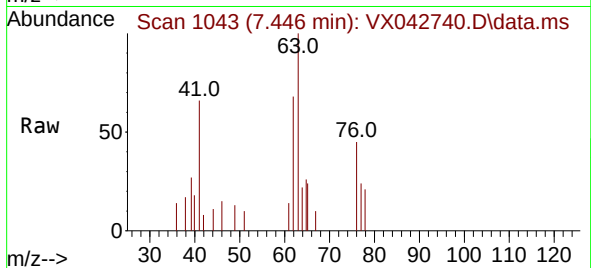
Tgt Ion: 83 Resp: 3170
Ion Ratio Lower Upper
83 100
55 69.1 58.2 87.2
98 48.3 38.5 57.7





#37
1,2-Dichloropropane
Concen: 2.031 ug/L m
RT: 7.446 min Scan# 1107
Delta R.T. 0.018 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

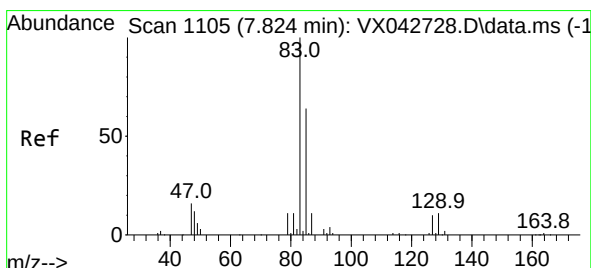
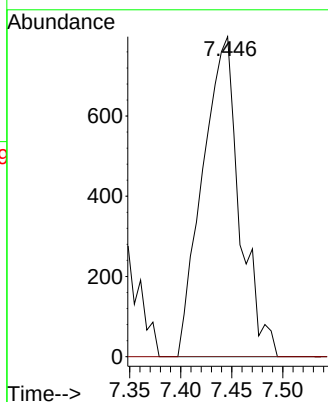
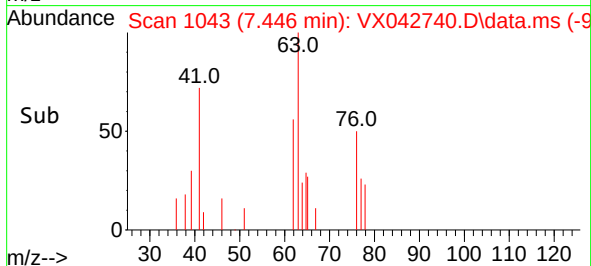
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2024-05



Tgt Ion: 63 Resp: 201
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5

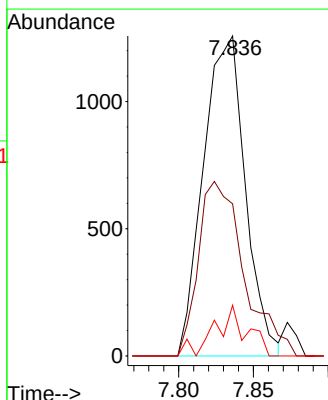
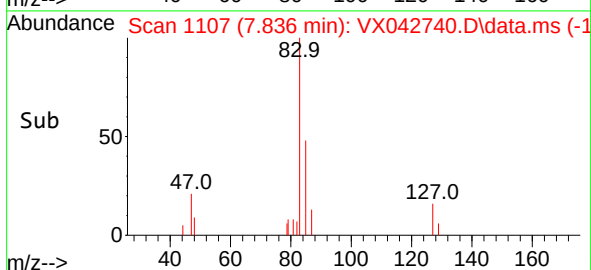
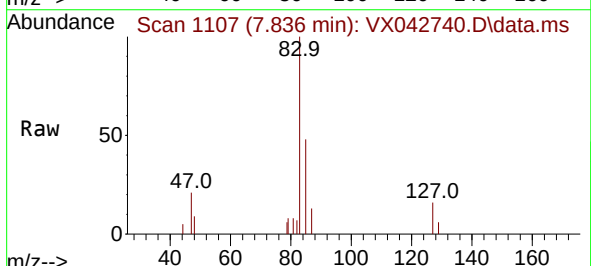
Manual Integrations
APPROVED

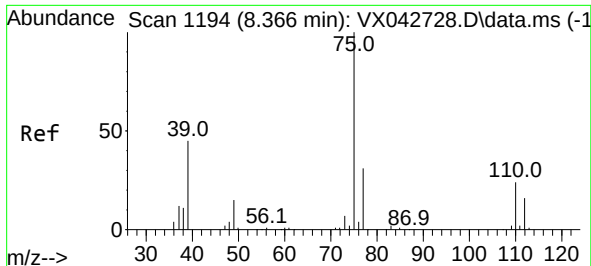
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#38
Bromodichloromethane
Concen: 1.912 ug/L
RT: 7.836 min Scan# 1107
Delta R.T. 0.012 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

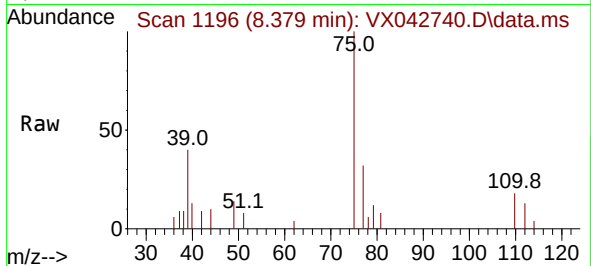
Tgt Ion: 83 Resp: 2449
Ion Ratio Lower Upper
83 100
85 47.5 43.7 81.1
127 15.8 6.5 9.7#





#39
cis-1,3-Dichloropropene
Concen: 1.959 ug/L
RT: 8.379 min Scan# 1196
Delta R.T. 0.012 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

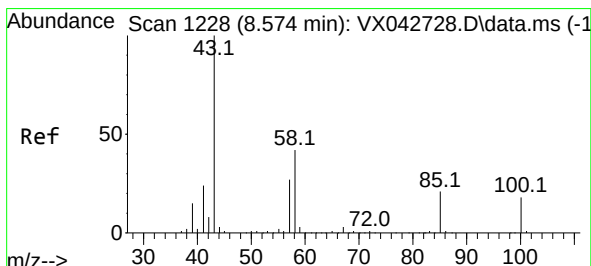
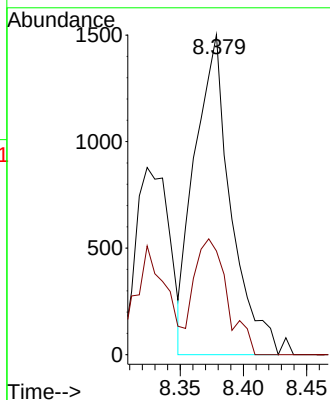
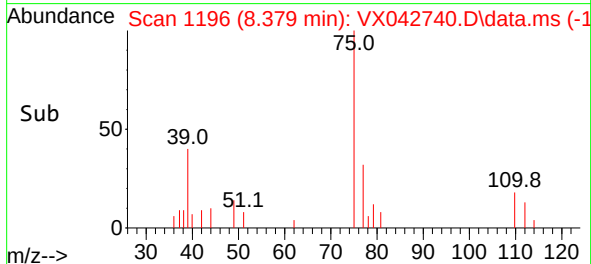
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2024-05



Tgt Ion: 75 Resp: 2980
Ion Ratio Lower Upper
75 100
77 32.4 21.4 39.8

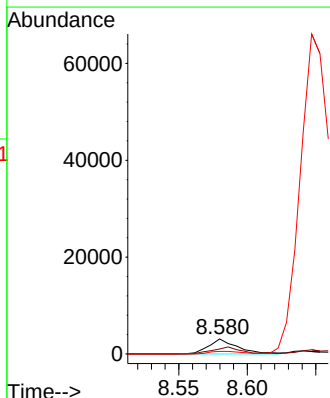
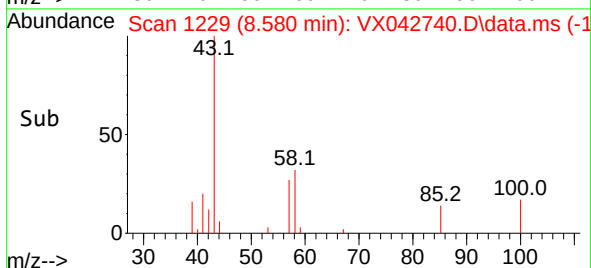
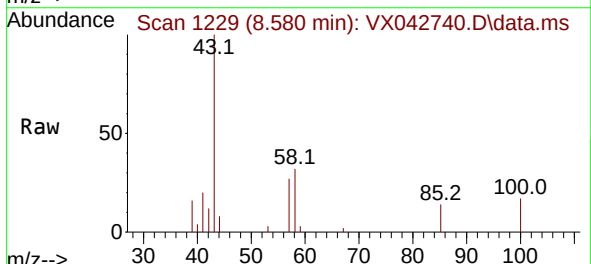
Manual Integrations
APPROVED

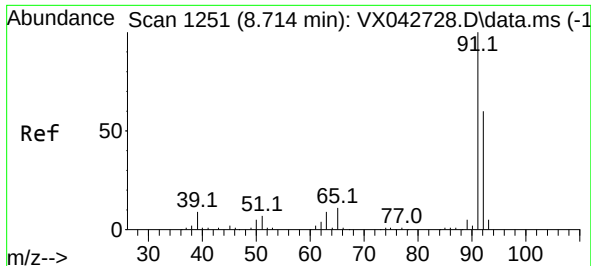
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#40
4-Methyl-2-pentanone
Concen: 3.311 ug/L
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

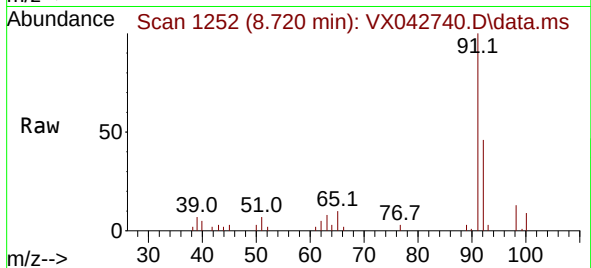
Tgt Ion: 43 Resp: 4516
Ion Ratio Lower Upper
43 100
58 43.0 32.4 48.6
100 20.7 13.4 20.0#





#42
Toluene
Concen: 2.109 ug/L
RT: 8.720 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

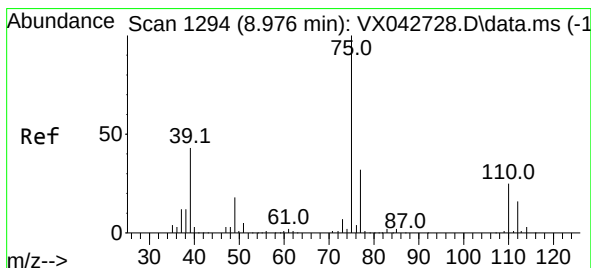
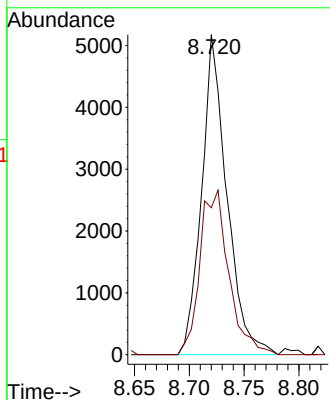
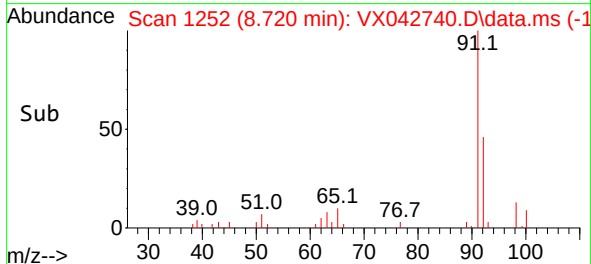
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2024-05



Tgt Ion: 91 Resp: 8280
Ion Ratio Lower Upper
91 100
92 45.9 41.9 77.7

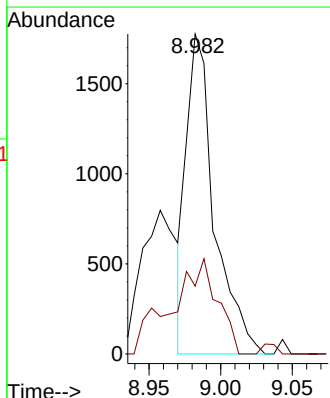
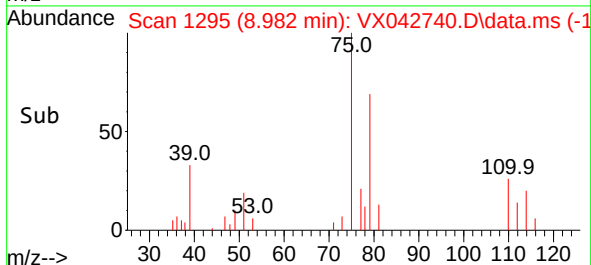
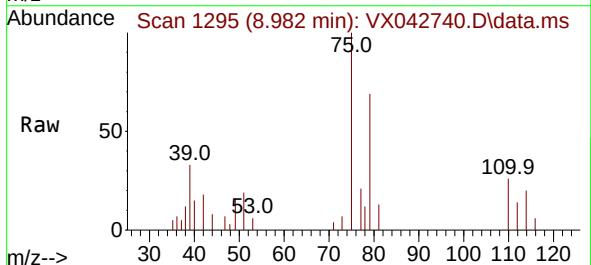
Manual Integrations
APPROVED

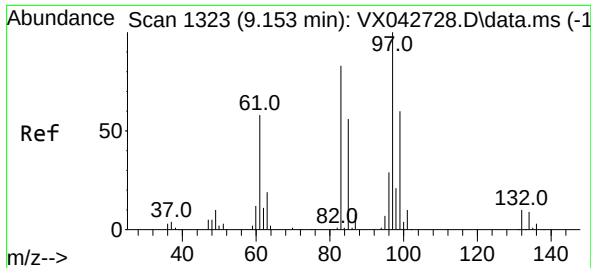
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#44
trans-1,3-Dichloropropene
Concen: 1.744 ug/L m
RT: 8.982 min Scan# 1295
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

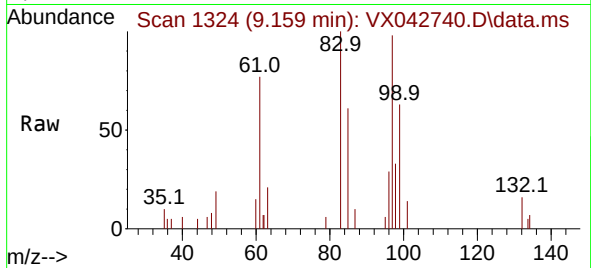
Tgt Ion: 75 Resp: 2405
Ion Ratio Lower Upper
75 100
77 21.2 22.0 40.8#





#45
1,1,2-Trichloroethane
Concen: 2.041 ug/L
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

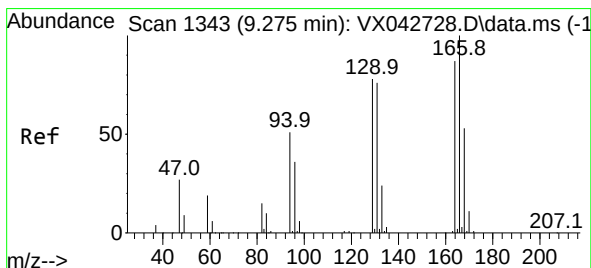
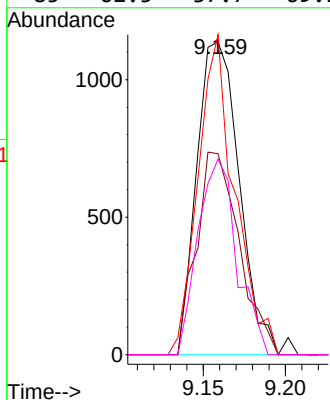
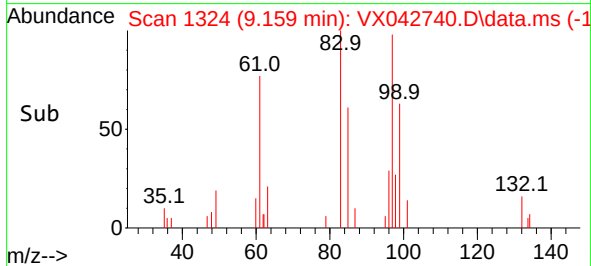
Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2024-05



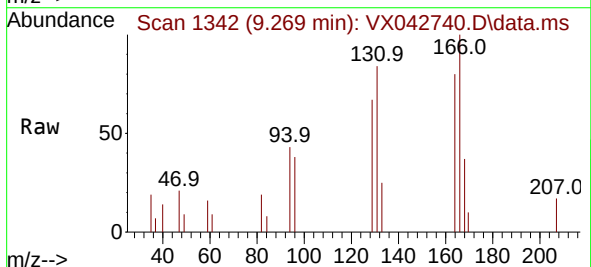
Tgt Ion:	97	Resp:	204
Ion Ratio	100	Lower	Upper
97	100		
99	64.2	42.6	79.2
83	102.3	59.3	110.1
85	62.5	37.7	69.9

Manual Integrations
APPROVED

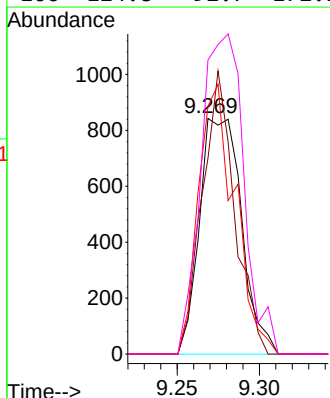
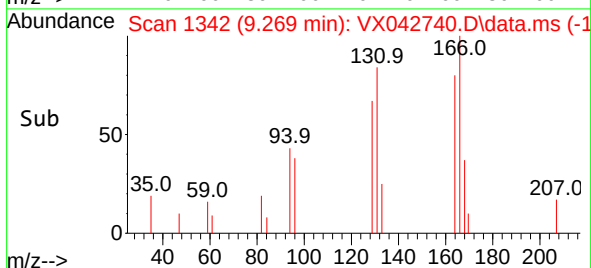
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024

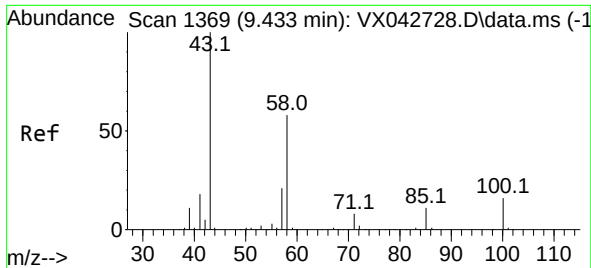


#46
Tetrachloroethene
Concen: 2.148 ug/L
RT: 9.269 min Scan# 1342
Delta R.T. -0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32



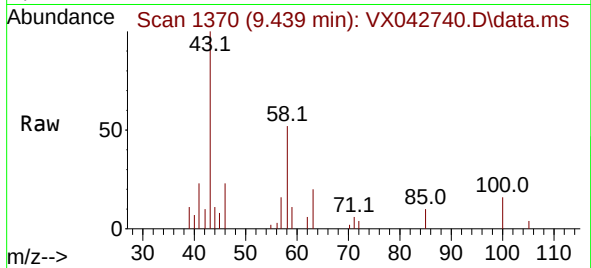
Tgt Ion:	164	Resp:	1493
Ion Ratio	100	Lower	Upper
164	100		
129	83.0	74.2	137.8
131	105.1	66.9	124.3
166	124.8	92.7	172.1





#48
2-Hexanone
Concen: 4.277 ug/L
RT: 9.439 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

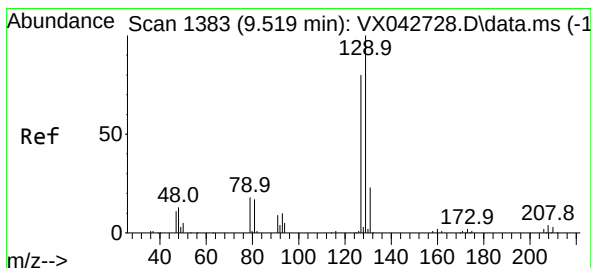
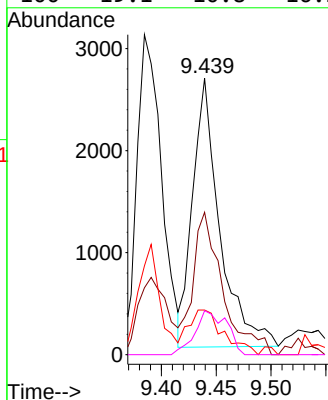
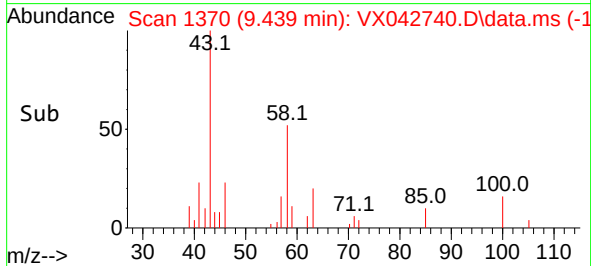
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2024-05



Tgt Ion: 43 Resp: 4530
Ion Ratio Lower Upper
43 100
58 42.1 44.9 67.3
57 19.2 15.8 23.6
100 19.1 10.8 16.2

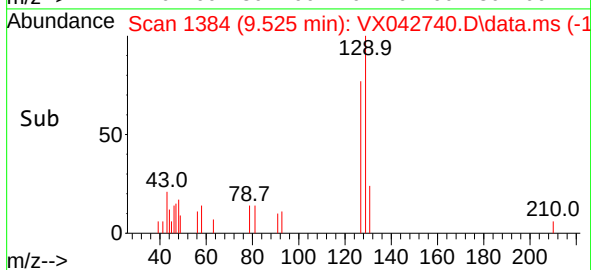
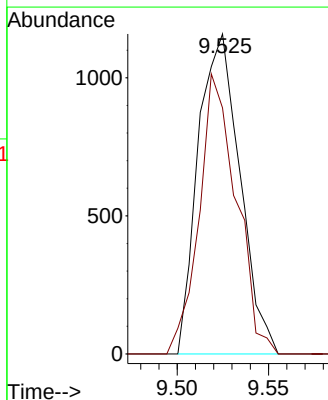
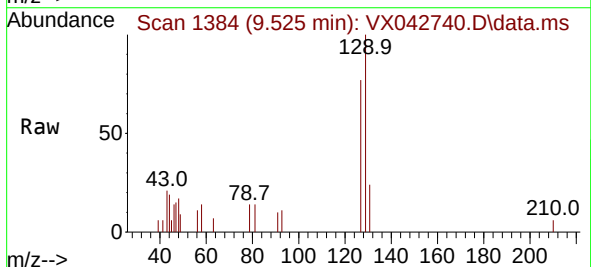
Manual Integrations
APPROVED

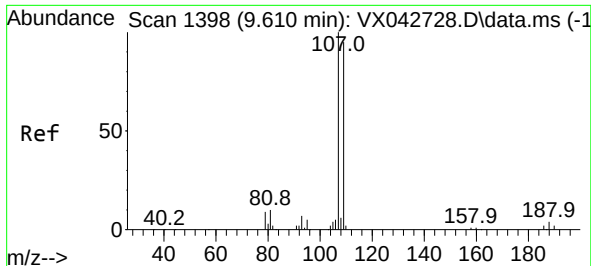
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#49
Dibromochloromethane
Concen: 1.970 ug/L
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

Tgt Ion:129 Resp: 1842
Ion Ratio Lower Upper
129 100
127 76.9 57.4 106.6





#50

1,2-Dibromoethane

Concen: 2.073 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX042740.D

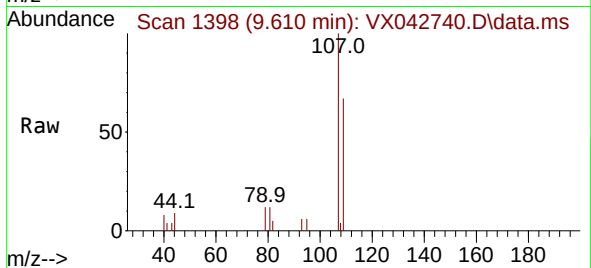
Acq: 30 Jul 2024 15:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2024-05



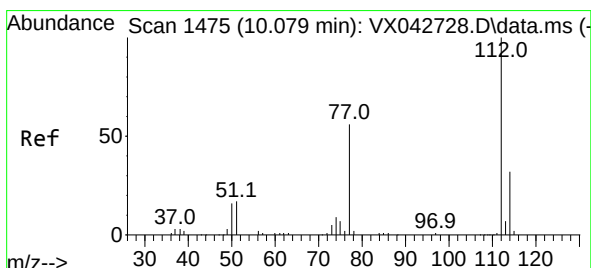
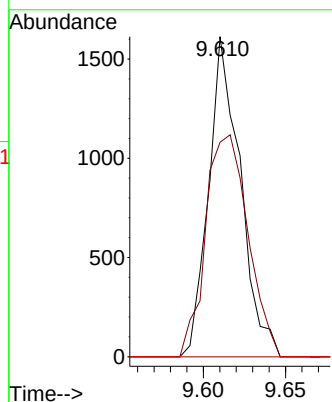
Tgt Ion:	107	Resp:	215
Ion	Ratio	Lower	Upper
107	100		
109	67.0	65.4	121.4
188	0.0	2.2	3.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2024

Supervised By :Semsettin Yesilyurt 07/31/2024



#51

Chlorobenzene

Concen: 2.142 ug/L

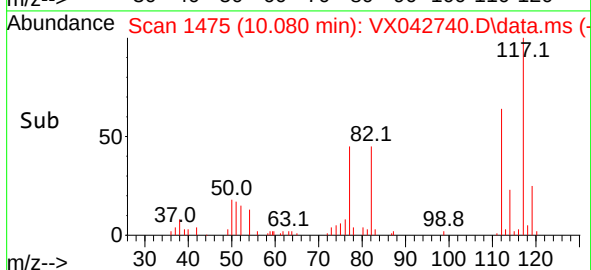
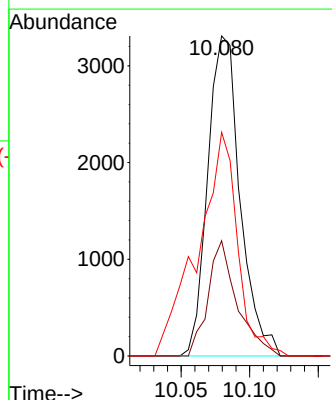
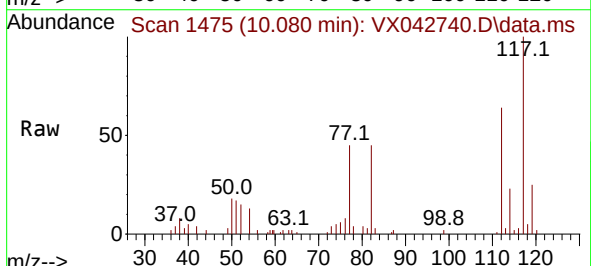
RT: 10.080 min Scan# 1475

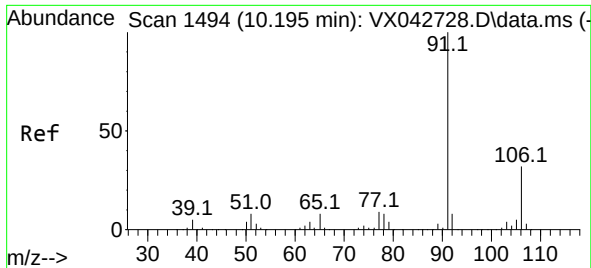
Delta R.T. 0.000 min

Lab File: VX042740.D

Acq: 30 Jul 2024 15:32

Tgt Ion:	112	Resp:	5441
Ion	Ratio	Lower	Upper
112	100		
114	36.0	23.2	43.2
77	69.9	46.3	69.5





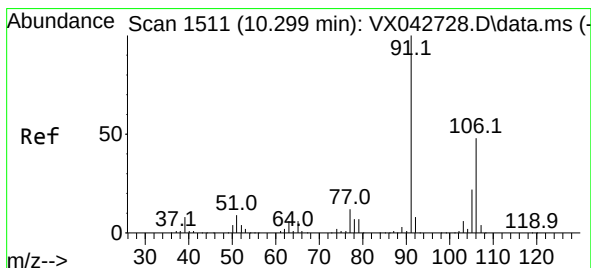
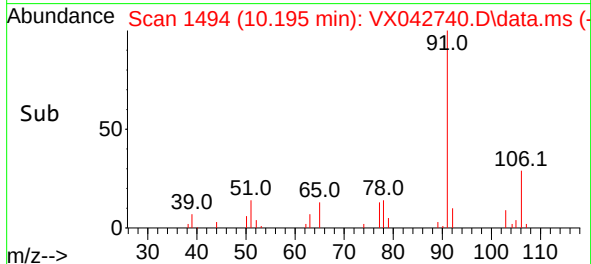
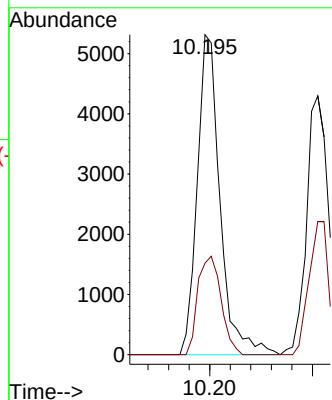
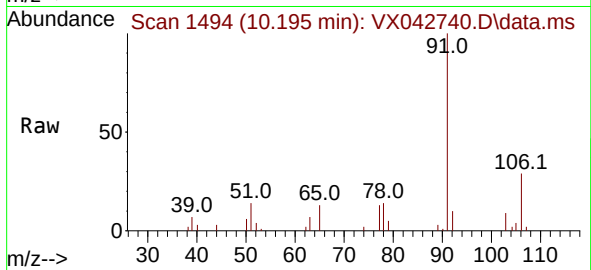
#52
Ethylbenzene
Concen: 1.904 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2024-05

Tgt Ion: 91 Resp: 820
Ion Ratio Lower Upper
91 100
106 28.6 21.8 40.4

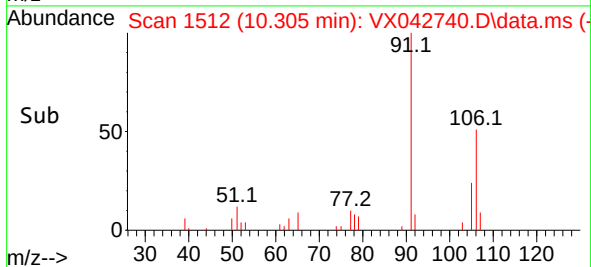
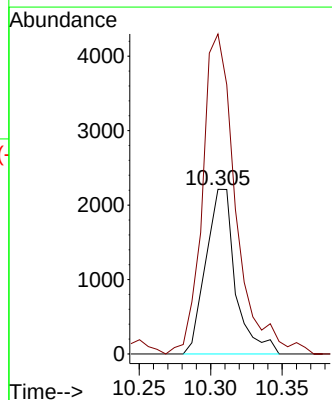
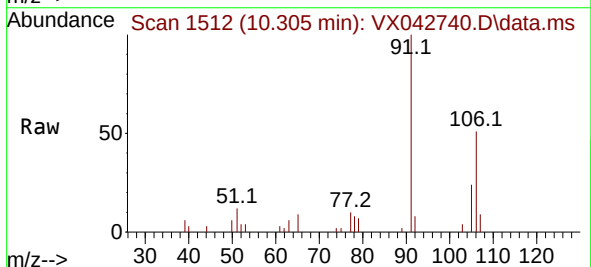
Manual Integrations
APPROVED

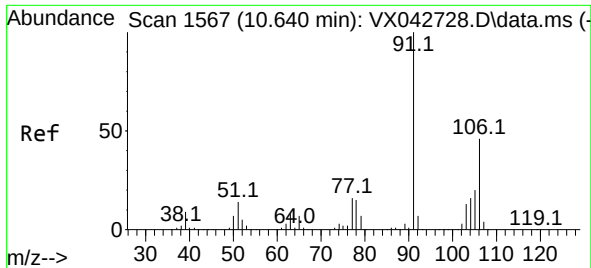
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#53
m,p-Xylene
Concen: 1.967 ug/L m
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

Tgt Ion:106 Resp: 3193
Ion Ratio Lower Upper
106 100
91 194.4 146.8 272.6





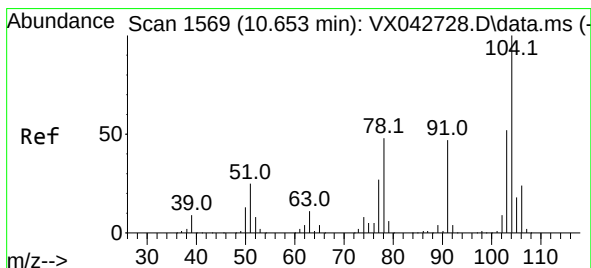
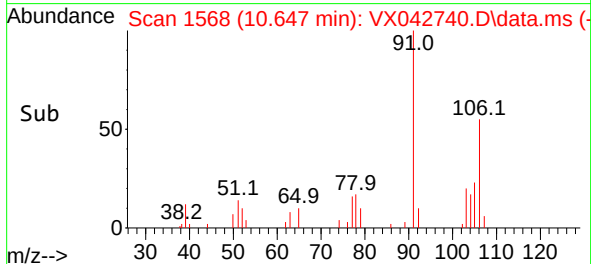
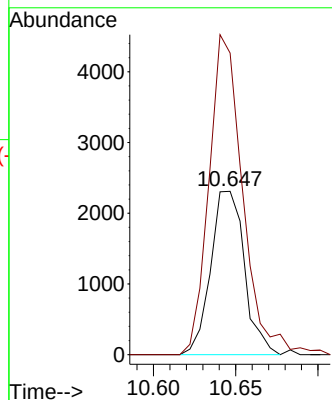
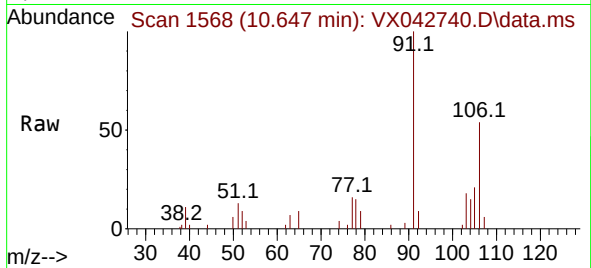
#54
o-Xylene
Concen: 2.039 ug/L
RT: 10.647 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2024-05

Tgt Ion:106 Resp: 329
Ion Ratio Lower Upper
106 100
91 184.6 154.6 287.2

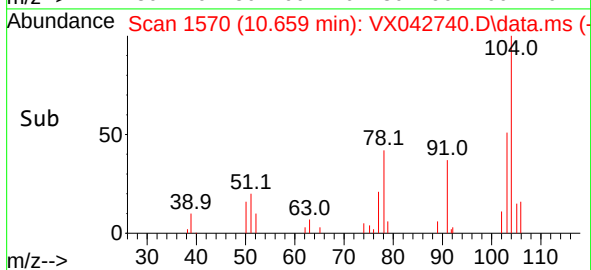
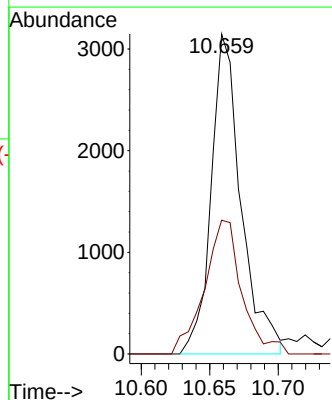
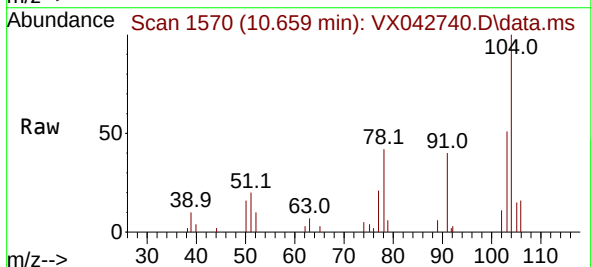
Manual Integrations
APPROVED

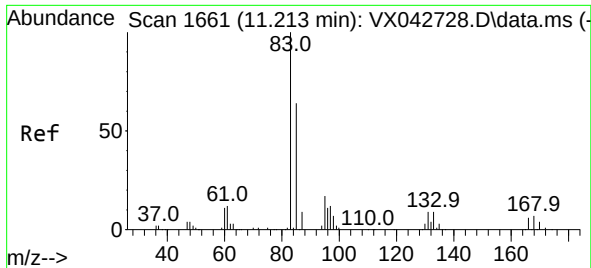
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#55
Styrene
Concen: 1.773 ug/L
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

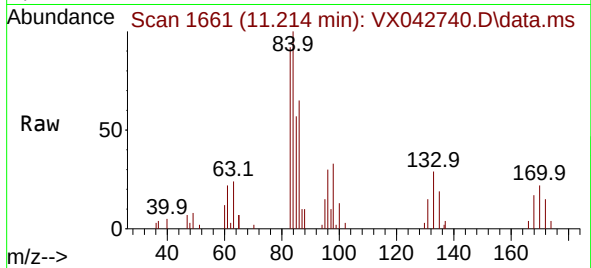
Tgt Ion:104 Resp: 4773
Ion Ratio Lower Upper
104 100
78 41.8 32.6 60.5





#57
1,1,2,2-Tetrachloroethane
Concen: 2.292 ug/L
RT: 11.214 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

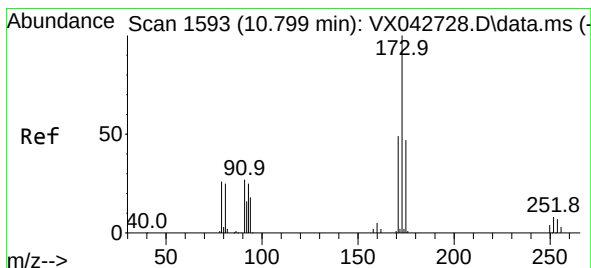
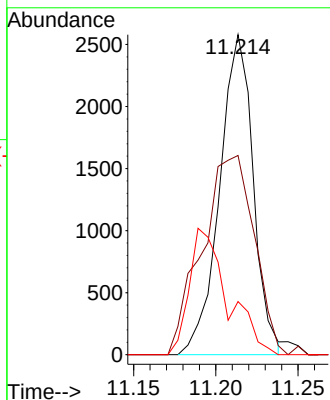
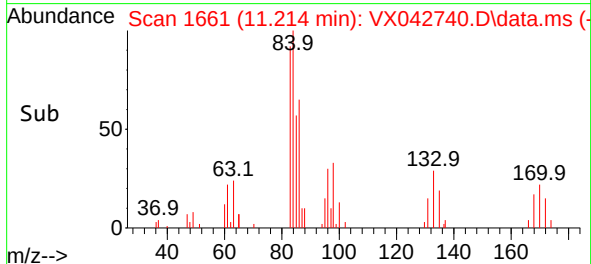
Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2024-05



Tgt Ion: 83 Resp: 3669
Ion Ratio Lower Upper
83 100
85 62.3 46.1 85.5
131 16.6 8.6 13.0

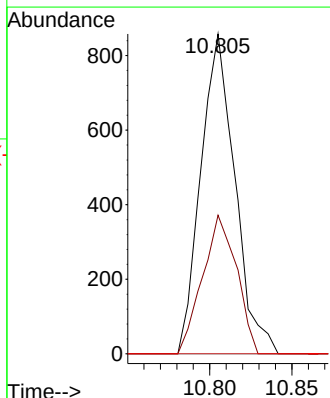
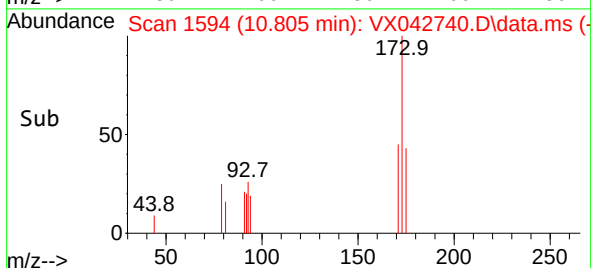
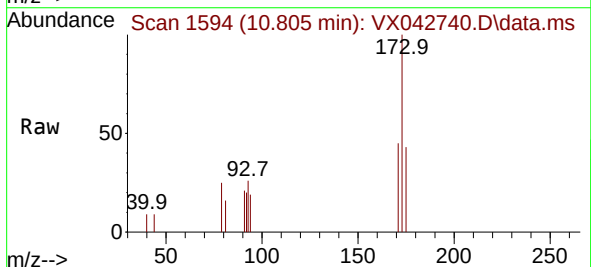
Manual Integrations
APPROVED

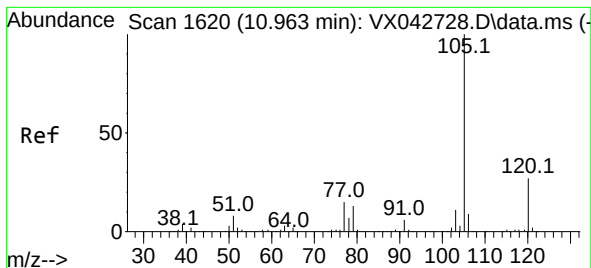
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#59
Bromoform
Concen: 2.193 ug/L
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

Tgt Ion:173 Resp: 1236
Ion Ratio Lower Upper
173 100
175 43.3 37.4 56.2
254 0.0 6.8 10.2





#60

Isopropylbenzene

Concen: 2.004 ug/L

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX042740.D

Acq: 30 Jul 2024 15:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2024-05

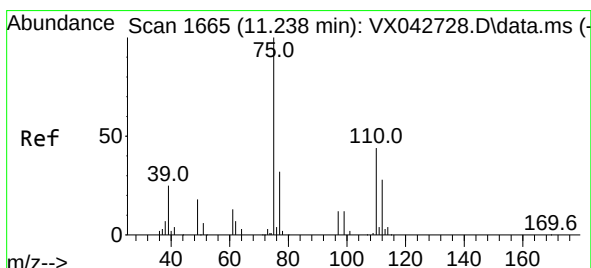
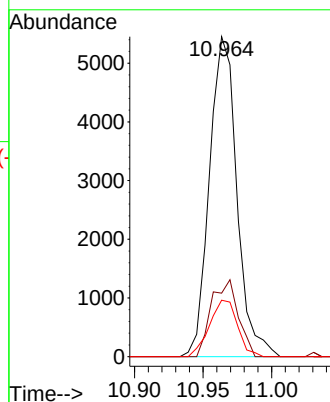
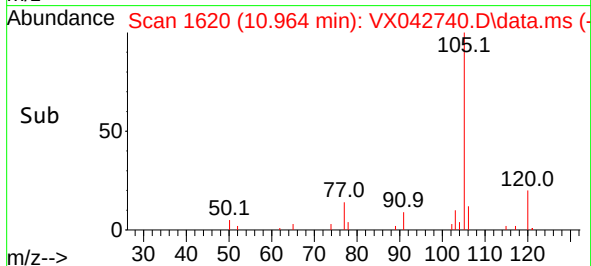
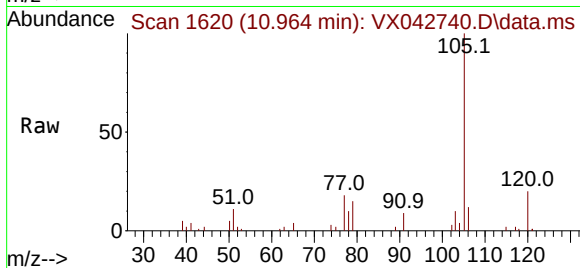
Tgt Ion:	105	Resp:	760
Ion	Ratio	Lower	Upper
105	100		
120	23.5	21.0	31.6
77	18.0	12.9	19.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2024

Supervised By :Semsettin Yesilyurt 07/31/2024



#61

1,2,3-Trichloropropane

Concen: 2.242 ug/L

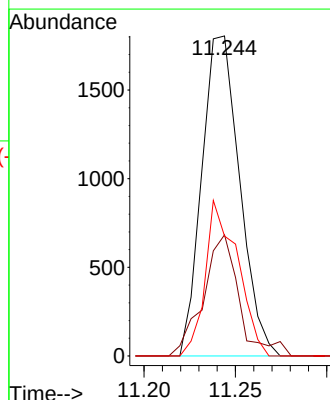
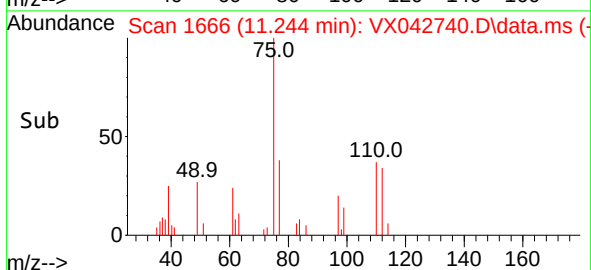
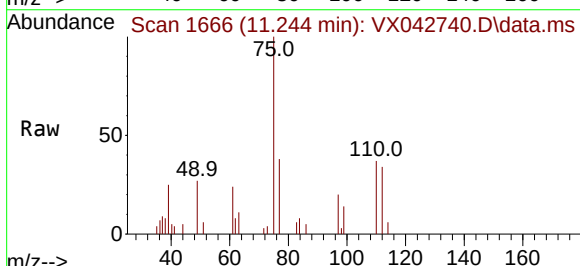
RT: 11.244 min Scan# 1666

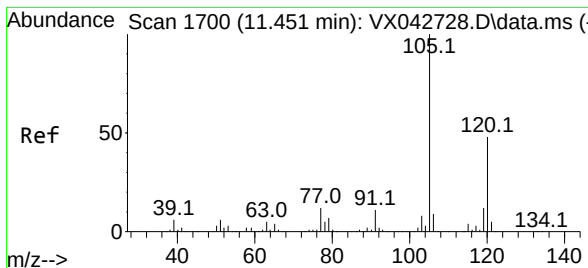
Delta R.T. 0.006 min

Lab File: VX042740.D

Acq: 30 Jul 2024 15:32

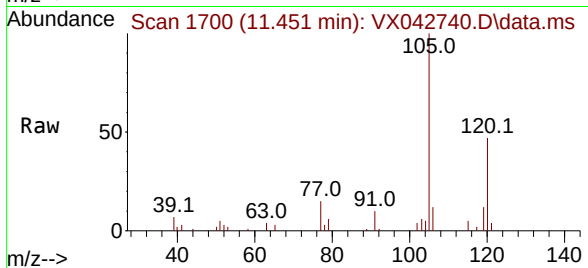
Tgt Ion:	75	Resp:	2605
Ion	Ratio	Lower	Upper
75	100		
77	33.8	26.2	39.4
110	41.4	33.0	49.4





#62
1,3,5-Trimethylbenzene
Concen: 1.955 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

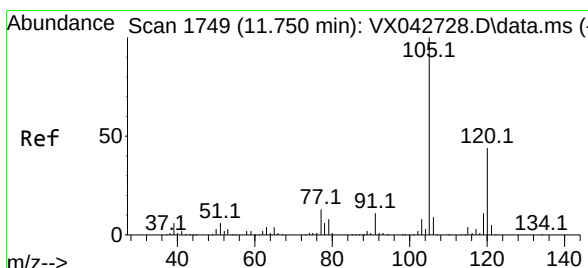
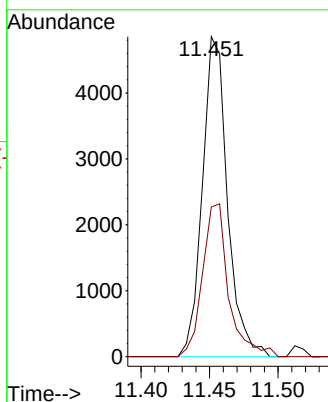
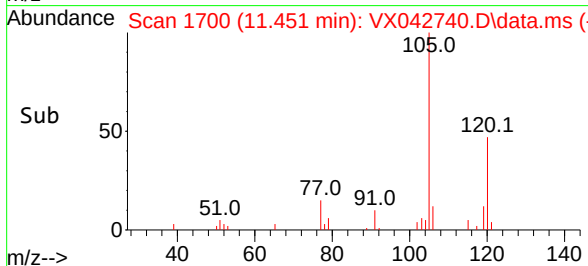
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2024-05



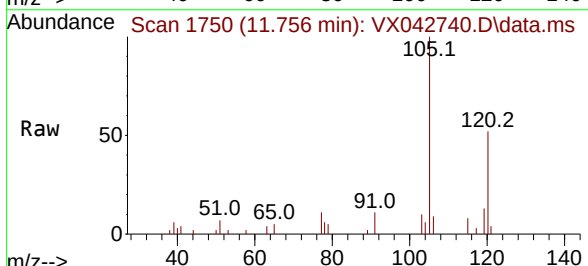
Tgt Ion:105 Resp: 6172
Ion Ratio Lower Upper
105 100
120 49.8 38.2 57.2

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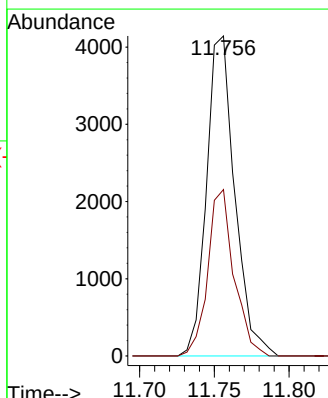
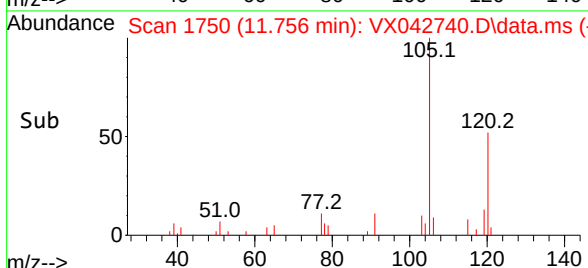
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024

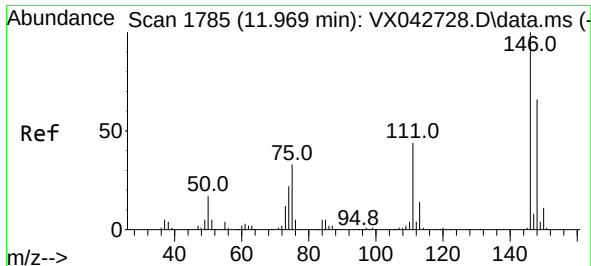


#63
1,2,4-Trimethylbenzene
Concen: 1.749 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32



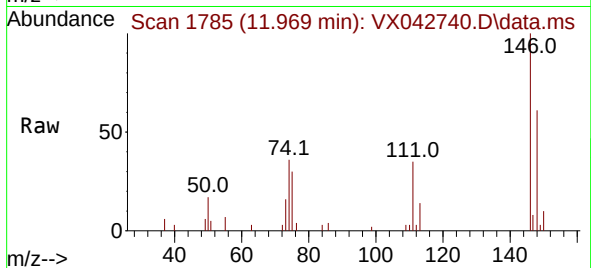
Tgt Ion:105 Resp: 5450
Ion Ratio Lower Upper
105 100
120 48.3 35.2 52.8





#64
1,3-Dichlorobenzene
Concen: 2.126 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

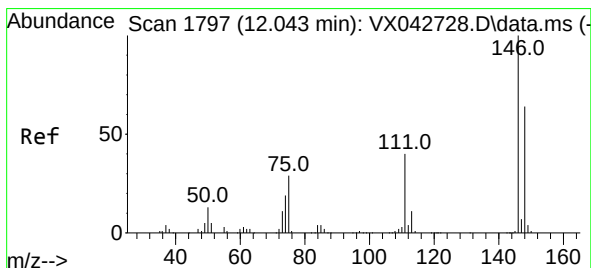
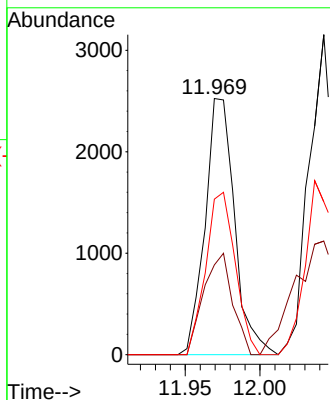
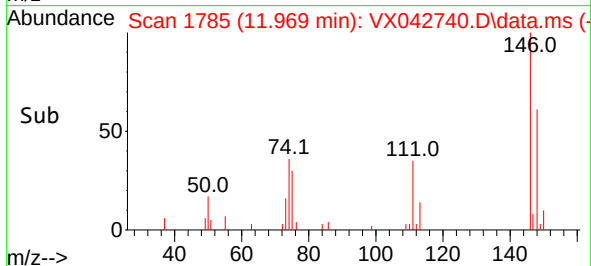
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2024-05



Tgt Ion:146 Resp: 347
Ion Ratio Lower Upper
146 100
111 35.1 30.4 56.5
148 60.7 47.7 88.7

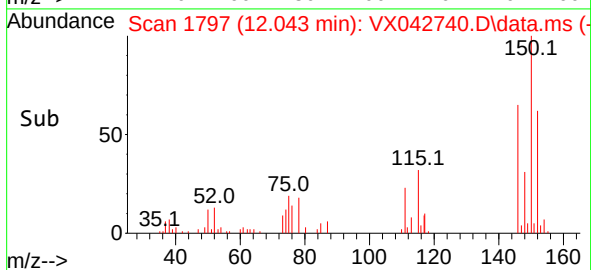
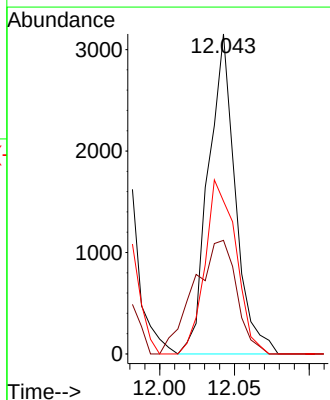
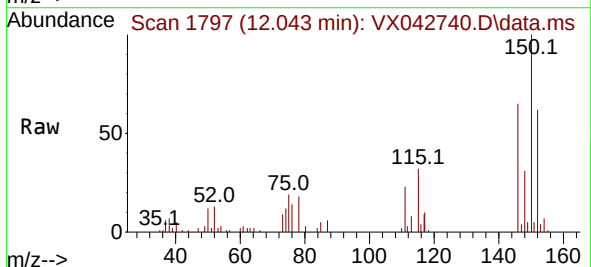
Manual Integrations
APPROVED

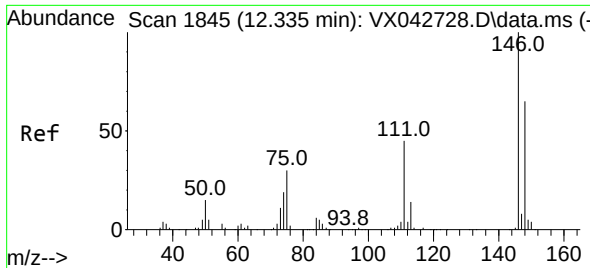
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#65
1,4-Dichlorobenzene
Concen: 2.410 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

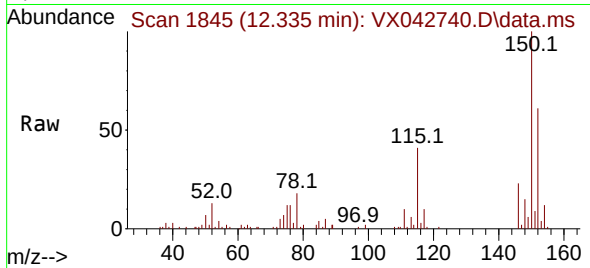
Tgt Ion:146 Resp: 3963
Ion Ratio Lower Upper
146 100
111 40.6 27.9 51.7
148 47.7 44.1 81.9





#67
1,2-Dichlorobenzene
Concen: 2.325 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

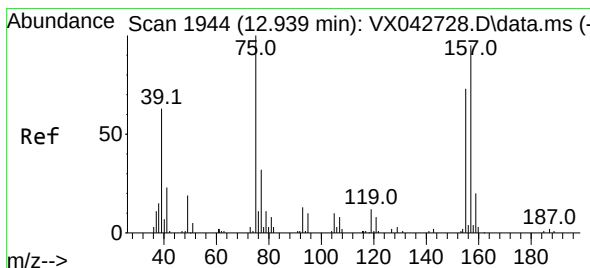
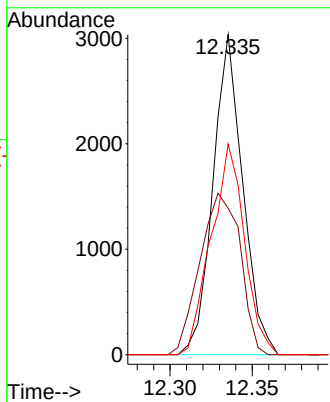
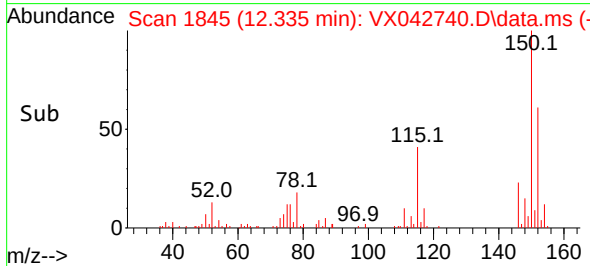
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2024-05



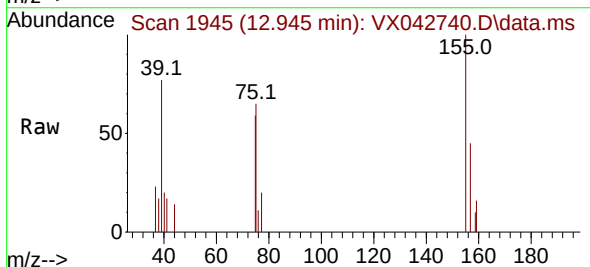
Tgt Ion:146 Resp: 382
Ion Ratio Lower Upper
146 100
111 45.7 35.3 52.9
148 65.8 52.7 79.1

Manual Integrations
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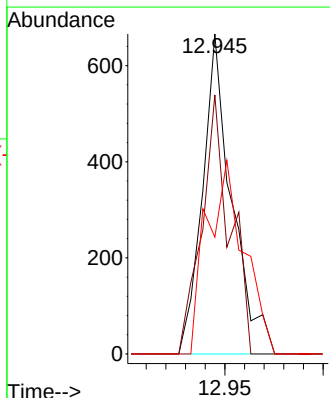
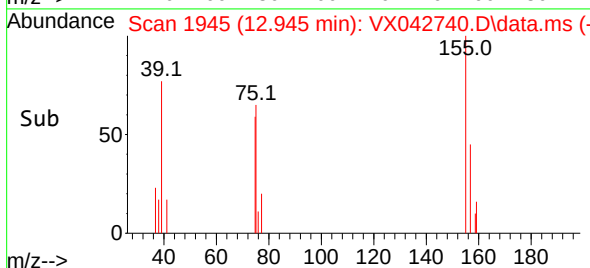
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024

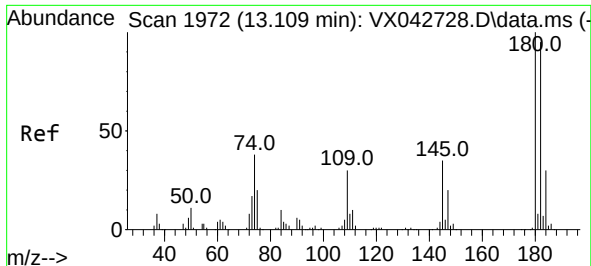


#68
1,2-Dibromo-3-chloropropane
Concen: 2.229 ug/L m
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32



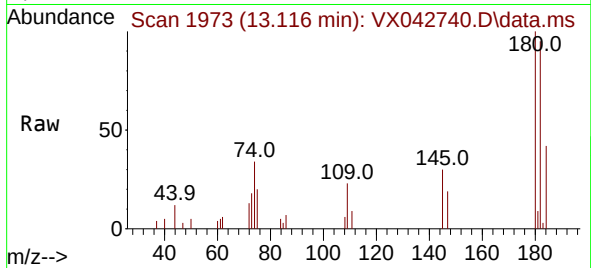
Tgt Ion: 75 Resp: 690
Ion Ratio Lower Upper
75 100
155 154.9 65.1 97.7#
157 69.8 85.8 128.6#





#69
1,3,5-Trichlorobenzene
Concen: 2.044 ug/L
RT: 13.116 min Scan# 1973
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

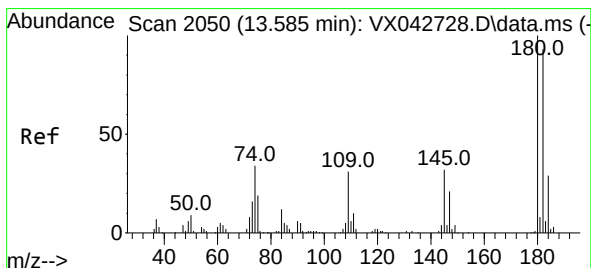
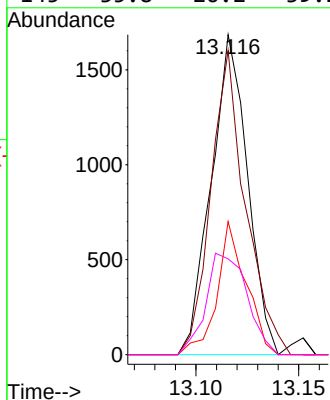
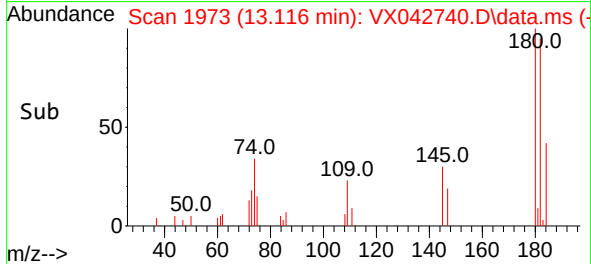
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2024-05



Tgt Ion:180 Resp: 2070
Ion Ratio Lower Upper
180 100
182 90.7 75.4 113.0
184 33.2 23.4 35.0
145 35.8 26.2 39.2

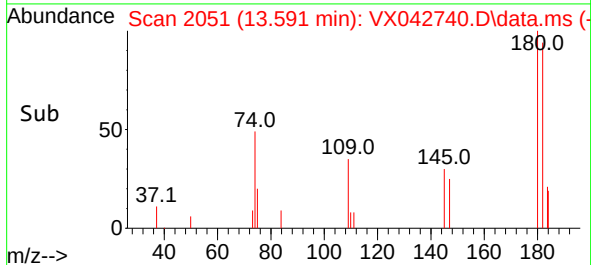
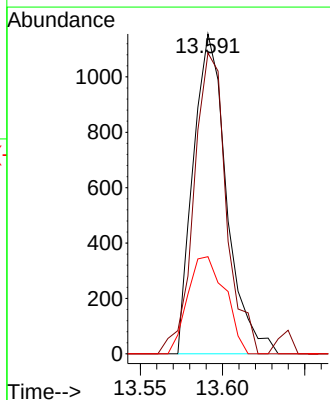
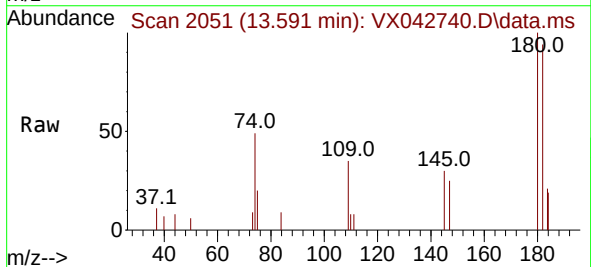
Manual Integrations
APPROVED

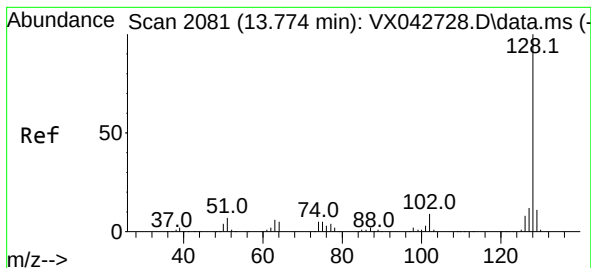
Reviewed By :John Carlone 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#70
1,2,4-trichlorobenzene
Concen: 1.832 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX042740.D
Acq: 30 Jul 2024 15:32

Tgt Ion:180 Resp: 1627
Ion Ratio Lower Upper
180 100
182 91.1 77.0 115.4
145 34.3 27.0 40.6





#71

Naphthalene

Concen: 1.688 ug/L

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX042740.D

Acq: 30 Jul 2024 15:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2024-05

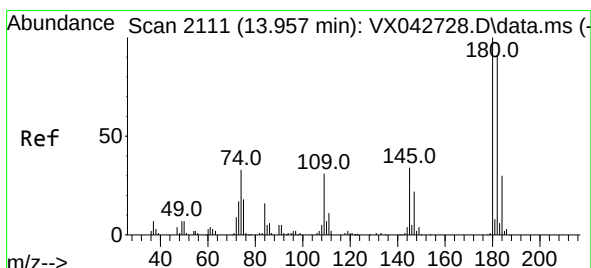
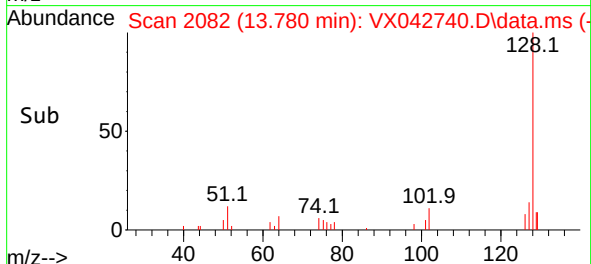
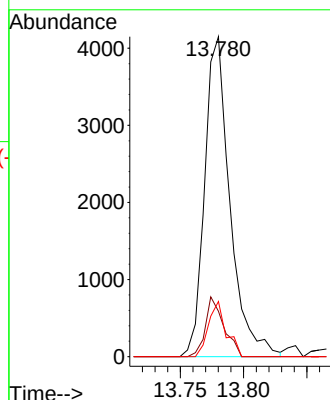
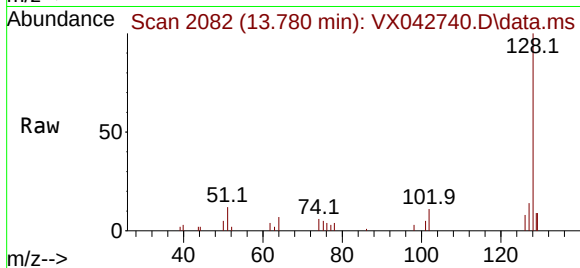
Tgt Ion:128	Resp: 578
Ion Ratio	Lower Upper
128 100	
127 13.6	10.3 15.5
129 12.0	8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2024

Supervised By :Semsettin Yesilyurt 07/31/2024



#72

1,2,3-Trichlorobenzene

Concen: 1.939 ug/L

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX042740.D

Acq: 30 Jul 2024 15:32

Tgt Ion:180	Resp: 1783
Ion Ratio	Lower Upper
180 100	
182 94.6	76.2 114.2
145 30.5	27.6 41.4

