

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058951.D
 Acq On : 23 May 2024 16:18
 Operator : MD/SY
 Sample : P2409-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 24 07:10:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 06:52:32 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/27/2024
 Supervised By :Mahesh Dadoda 05/27/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	174894	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	183633	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	84466	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	94171	50.910	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 101.820%			
7) Chloroethane-d5	1.907	69	75929	49.391	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.780%			
11) 1,1-Dichloroethene-d2	2.560	63	115848	40.993	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 81.980%			
21) 2-Butanone-d5	4.618	46	143836	113.204	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 113.200%			
24) Chloroform-d	5.055	84	157038	49.495	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.000%			
26) 1,2-Dichloroethane-d4	5.695	65	101858	52.493	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.980%			
32) Benzene-d6	5.721	84	326177	52.101	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.200%			
36) 1,2-Dichloropropane-d6	6.682	67	107596	52.034	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 104.060%			
41) Toluene-d8	7.891	98	274801	48.971	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.940%			
43) trans-1,3-Dichloroprop...	8.174	79	45282	48.769	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.540%			
47) 2-Hexanone-d5	8.627	63	87068	101.809	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 101.810%			
56) 1,1,2,2-Tetrachloroeth...	10.750	84	156410	50.280	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 100.560%			
66) 1,2-Dichlorobenzene-d4	12.187	152	97581	55.989	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 111.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2356	2.013	ug/L	96
3) Chloromethane	1.515	50	2859	2.280	ug/L	96
5) Vinyl chloride	1.602	62	3462	2.364	ug/L #	69
6) Bromomethane	1.856	94	1890	2.178	ug/L	98
8) Chloroethane	1.930	64	2204	2.195	ug/L #	72
9) Trichlorofluoromethane	2.136	101	3831	1.924	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	3751	2.771	ug/L #	66
12) 1,1-Dichloroethene	2.573	96	2873	2.652	ug/L #	1
13) Acetone	2.631	43	4357m	3.889	ug/L	
14) Carbon disulfide	2.788	76	5345	2.622	ug/L #	91
15) Methyl Acetate	2.952	43	4110m	2.277	ug/L	
16) Methylene chloride	3.039	84	5864	3.393	ug/L	88
17) trans-1,2-Dichloroethene	3.351	96	2389	2.195	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	8757	2.033	ug/L	99
19) 1,1-Dichloroethane	3.862	63	5969	2.153	ug/L	93
20) cis-1,2-Dichloroethene	4.663	96	3152	2.188	ug/L	85
22) 2-Butanone	4.727	43	6703m	4.593	ug/L	
23) Bromochloromethane	4.975	128	1535	2.044	ug/L	85
27) 1,2-Dichloroethane	5.795	62	5126m	2.294	ug/L	

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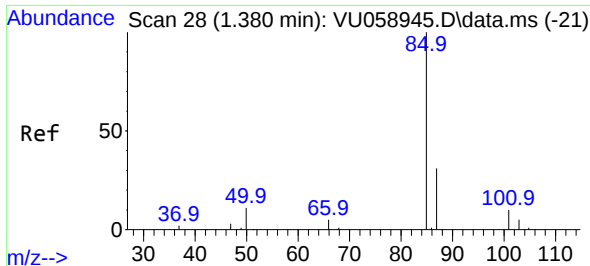
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
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 Response via : Initial Calibration

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.377	56	2882	1.844	ug/L	98
30) 1,1,1-Trichloroethane	5.312	97	4665	2.117	ug/L	93
31) Carbon tetrachloride	5.518	117	3833	2.153	ug/L	91
34) Trichloroethene	6.544	95	2892	1.974	ug/L #	69
35) Methylcyclohexane	6.756	83	2732	1.591	ug/L	97
37) 1,2-Dichloropropane	6.788	63	4047	2.256	ug/L #	91
38) Bromodichloromethane	7.103	83	4821	2.162	ug/L	95
39) cis-1,3-Dichloropropene	7.608	75	5592m	2.263	ug/L	
40) 4-Methyl-2-pentanone	7.788	43	9819m	3.839	ug/L	
42) Toluene	7.968	91	12538	2.119	ug/L	96
44) trans-1,3-Dichloropropene	8.206	75	5022	2.147	ug/L	91
45) 1,1,2-Trichloroethane	8.396	97	3409	1.925	ug/L	95
46) Tetrachloroethene	8.550	164	1880	1.924	ug/L	94
49) Dibromochloromethane	8.804	129	3260	1.926	ug/L	99
50) 1,2-Dibromoethane	8.923	107	3851	2.275	ug/L #	96
51) Chlorobenzene	9.441	112	8843	2.261	ug/L	92
52) Ethylbenzene	9.570	91	12336	1.926	ug/L	97
53) m,p-Xylene	9.695	106	4310	1.874	ug/L	98
54) o-Xylene	10.097	106	3871	1.681	ug/L	88
55) Styrene	10.116	104	7003m	1.703	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.775	83	7641	2.394	ug/L #	91
59) Bromoform	10.283	173	2645	2.363	ug/L #	91
60) 1,2,3-Trichloropropane	10.817	75	5389	2.507	ug/L	92
61) Isopropylbenzene	10.479	105	10674	1.979	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	7693	1.810	ug/L	96
63) 1,2,4-Trimethylbenzene	11.467	105	7209	1.682	ug/L	92
64) 1,3-Dichlorobenzene	11.746	146	6277	2.242	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	6812	2.409	ug/L	91
67) 1,2-Dichlorobenzene	12.206	146	6753	2.371	ug/L #	88
68) 1,2-Dibromo-3-chloropr...	13.000	75	1156	1.988	ug/L	100
69) 1,3,5-Trichlorobenzene	13.222	180	4081m	2.069	ug/L	
70) 1,2,4-trichlorobenzene	13.843	180	3056	1.799	ug/L	94
71) Naphthalene	14.093	128	9426m	1.902	ug/L	
72) 1,2,3-Trichlorobenzene	14.328	180	3323	1.910	ug/L	96

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



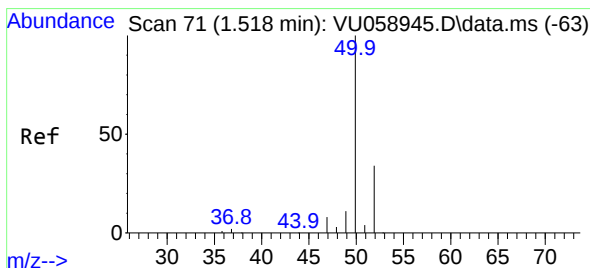
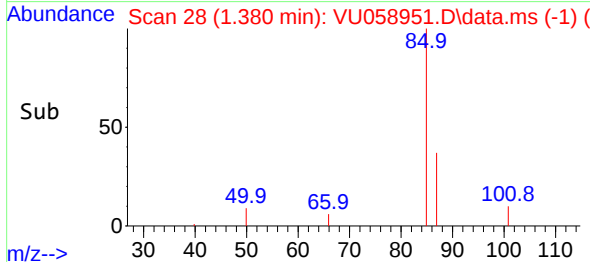
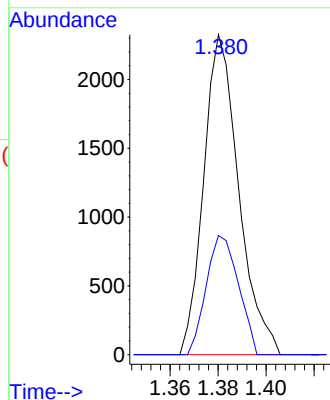
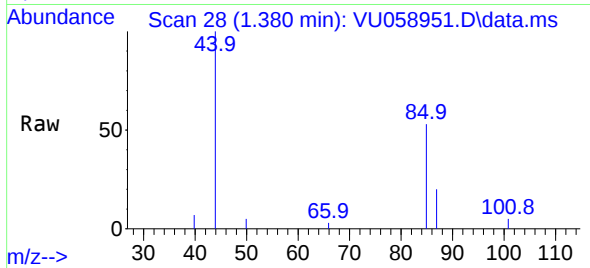
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 Dichlorodifluoromethane
 Concen: 2.013 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU058951.D
 Acq: 23 May 2024 16:18

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

Tgt Ion: 85 Resp: 2350
 Ion Ratio Lower Upper
 85 100
 87 34.2 25.7 38.5

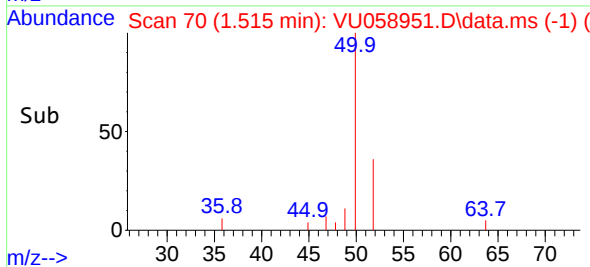
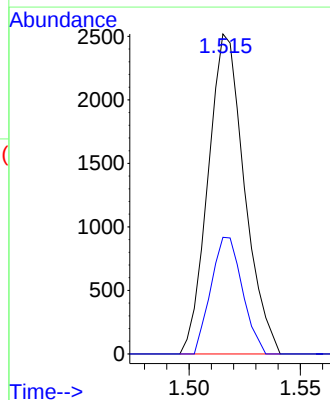
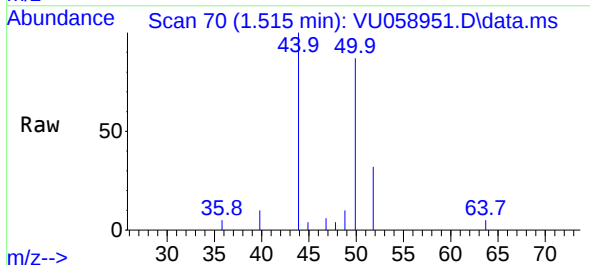
Manual Integrations
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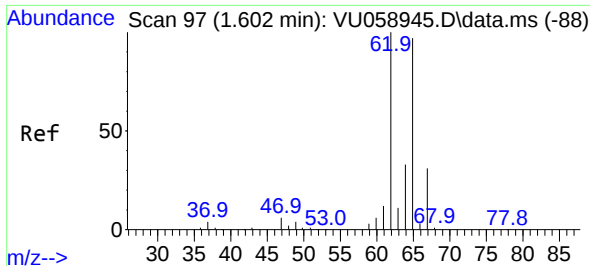
Reviewed By :Semsettin Yesilyurt 05/27/2024
 Supervised By :Mahesh Dadoda 05/27/2024



#3
 Chloromethane
 Concen: 2.280 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU058951.D
 Acq: 23 May 2024 16:18

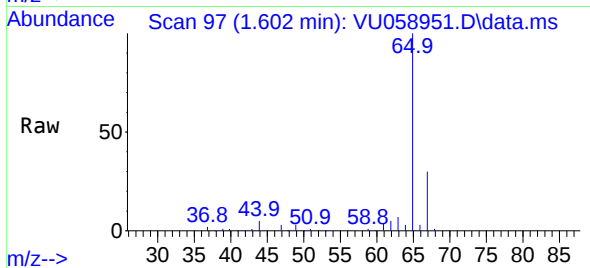
Tgt Ion: 50 Resp: 2859
 Ion Ratio Lower Upper
 50 100
 52 36.4 23.9 44.3





#5
Vinyl chloride
Concen: 2.364 ug/L
RT: 1.602 min Scan# 91
Delta R.T. 0.000 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

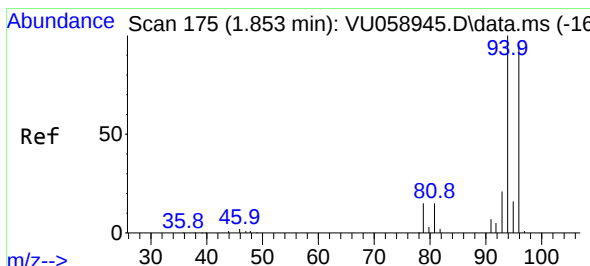
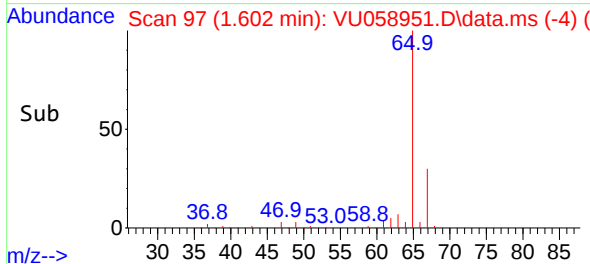
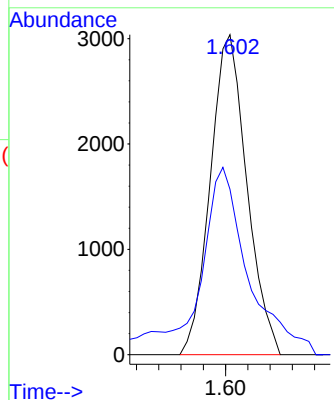
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion: 62 Resp: 3462
Ion Ratio Lower Upper
62 100
64 51.7 23.7 43.9

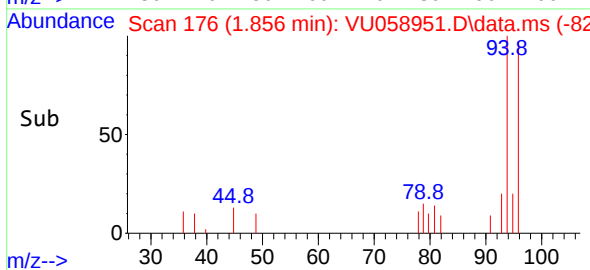
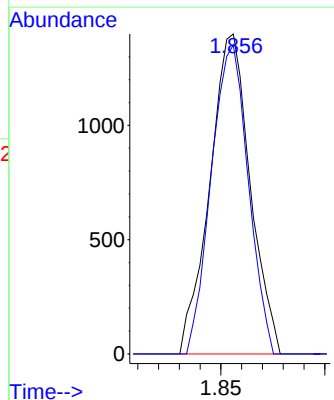
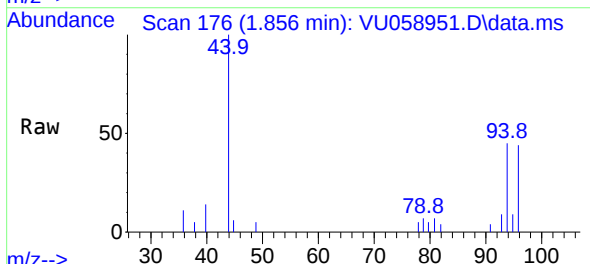
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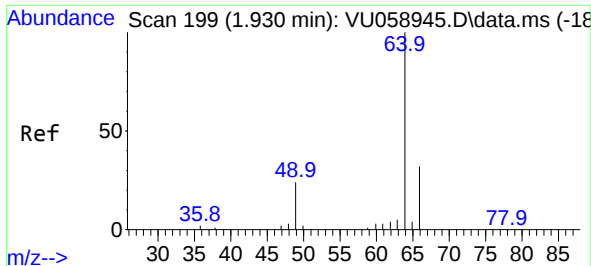
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#6
Bromomethane
Concen: 2.178 ug/L
RT: 1.856 min Scan# 176
Delta R.T. 0.003 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

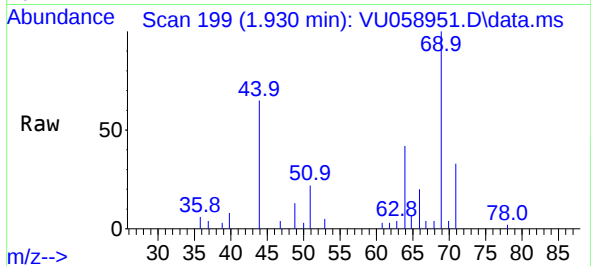
Tgt Ion: 94 Resp: 1890
Ion Ratio Lower Upper
94 100
96 96.6 66.6 123.6





#8
Chloroethane
Concen: 2.195 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

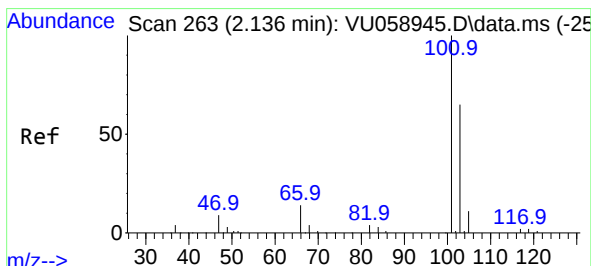
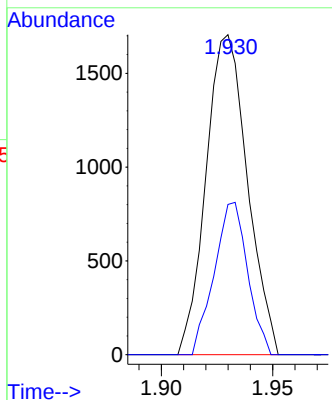
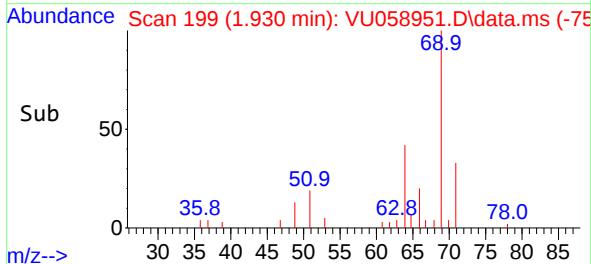
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-03



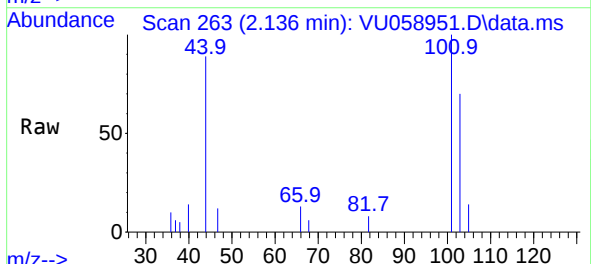
Tgt Ion: 64 Resp: 2204
Ion Ratio Lower Upper
64 100
66 48.3 22.7 42.1

Manual Integrations
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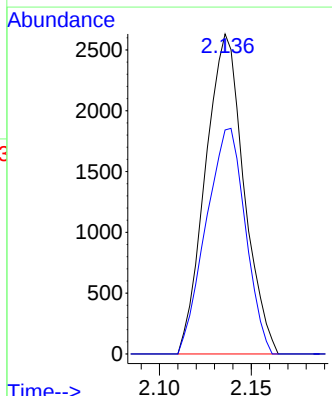
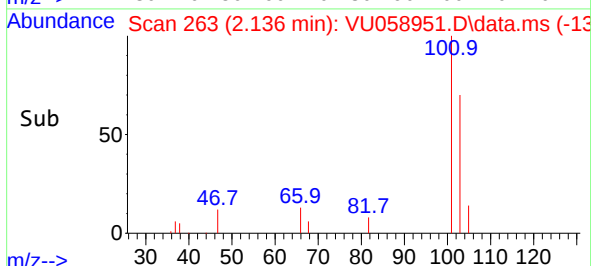
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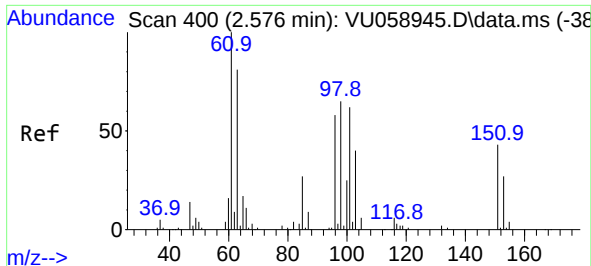


#9
Trichlorofluoromethane
Concen: 1.924 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18



Tgt Ion:101 Resp: 3831
Ion Ratio Lower Upper
101 100
103 72.1 51.6 77.4





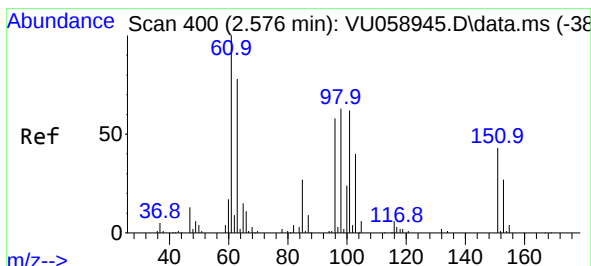
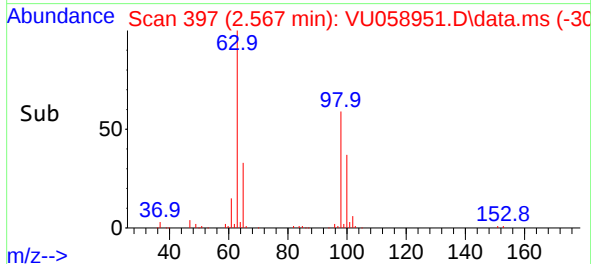
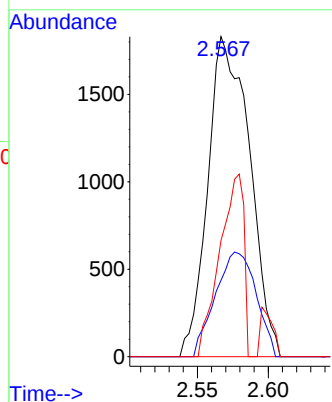
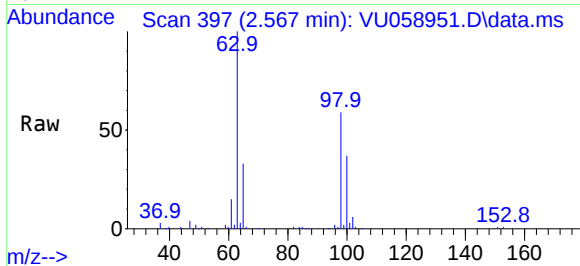
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.771 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.010 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

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ClientSampleId :
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Tgt Ion: 101 Resp: 375
Ion Ratio Lower Upper
101 100
85 31.9 34.9 52.3
151 33.1 54.5 81.7

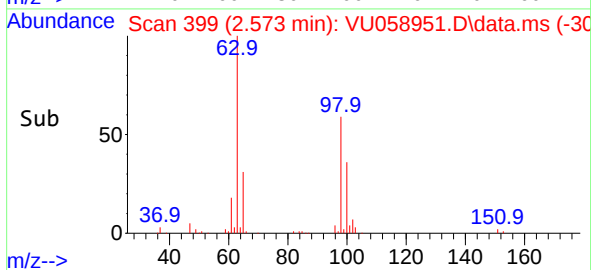
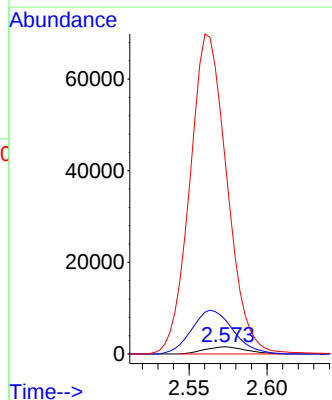
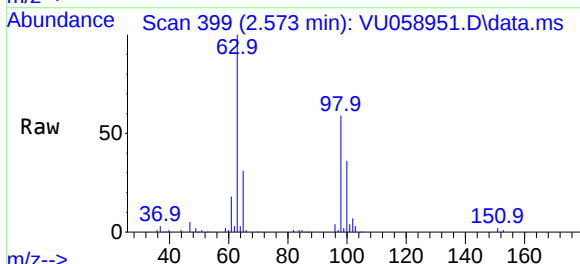
Manual Integrations
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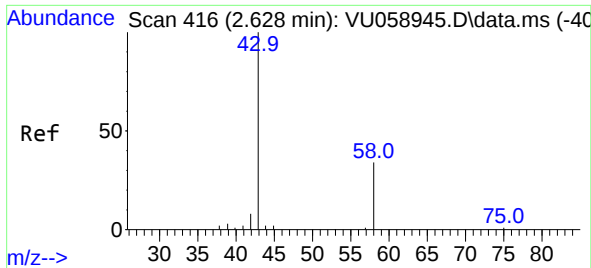
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#12
1,1-Dichloroethene
Concen: 2.652 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

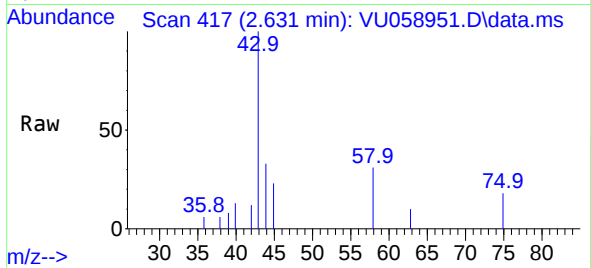
Tgt Ion: 96 Resp: 2873
Ion Ratio Lower Upper
96 100
61 477.9 122.2 227.0#
63 2702.9 102.8 190.8#





#13
Acetone
Concen: 3.889 ug/L m
RT: 2.631 min Scan# 416
Delta R.T. 0.003 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

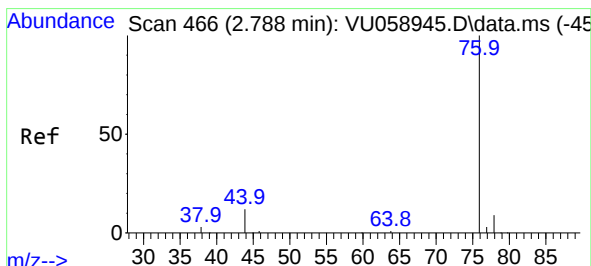
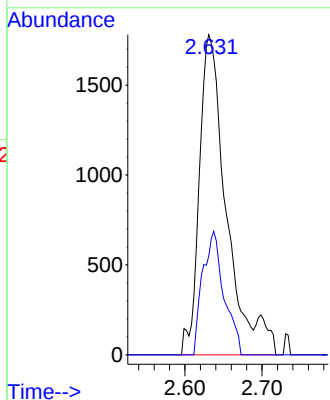
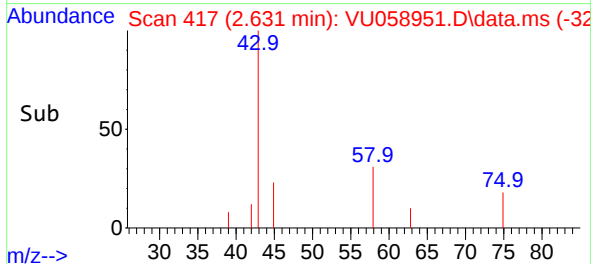
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion: 43 Resp: 435
Ion Ratio Lower Upper
43 100
58 30.3 0.0 67.2

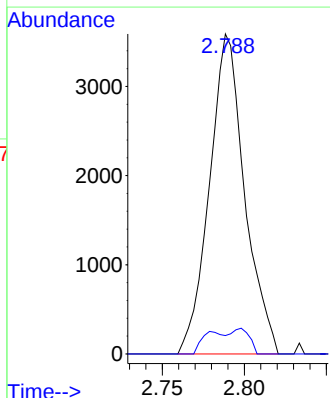
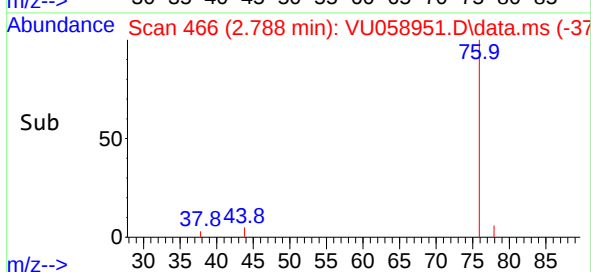
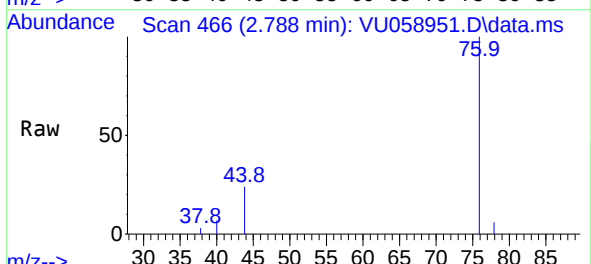
Manual Integrations
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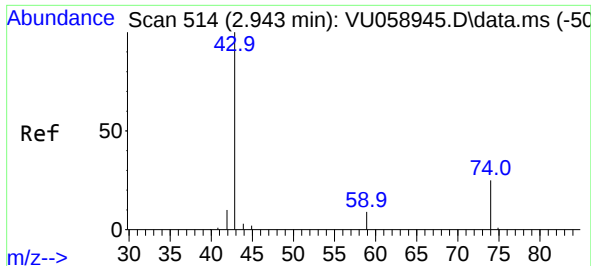
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#14
Carbon disulfide
Concen: 2.622 ug/L
RT: 2.788 min Scan# 466
Delta R.T. 0.000 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

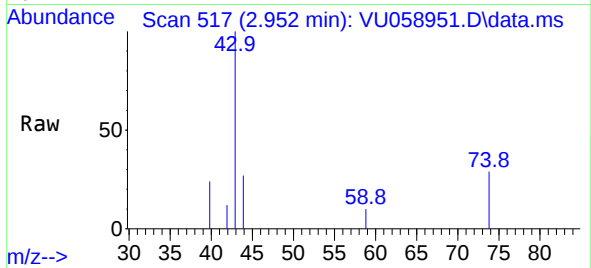
Tgt Ion: 76 Resp: 5345
Ion Ratio Lower Upper
76 100
78 5.8 7.1 10.7#





#15
Methyl Acetate
Concen: 2.277 ug/L m
RT: 2.952 min Scan# 517
Delta R.T. 0.010 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

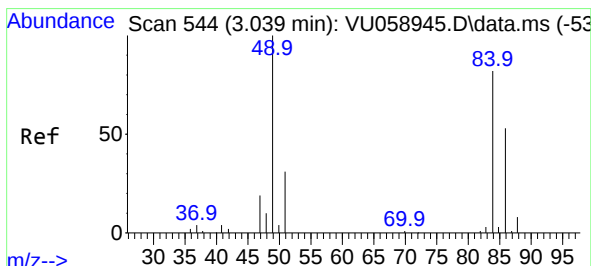
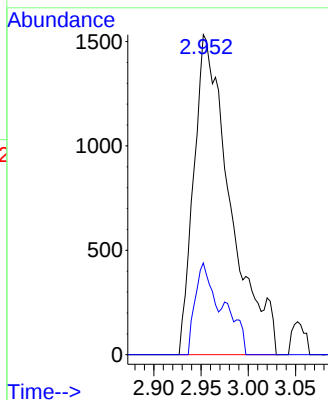
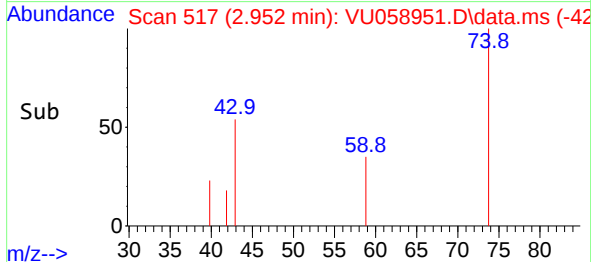
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-03



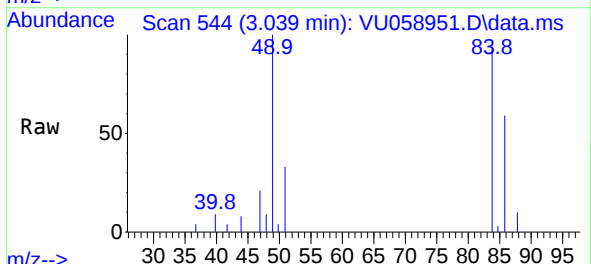
Tgt Ion: 43 Resp: 4110
Ion Ratio Lower Upper
43 100
74 14.2 19.8 29.8

Manual Integrations
APPROVED

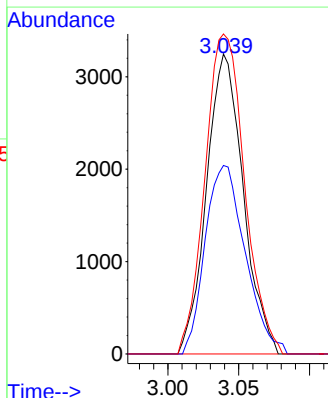
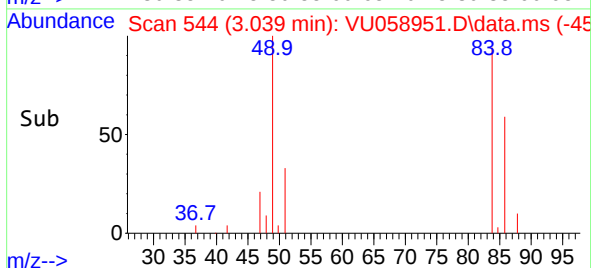
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024

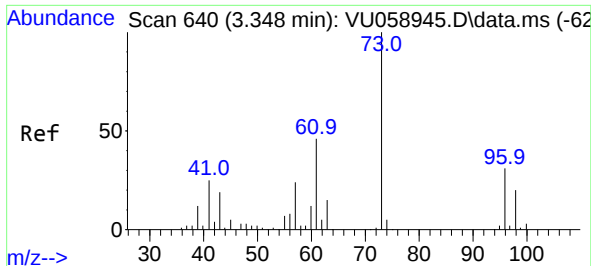


#16
Methylene chloride
Concen: 3.393 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18



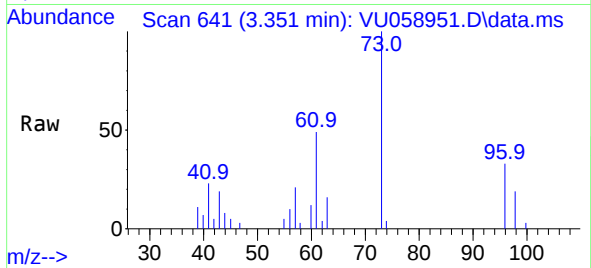
Tgt Ion: 84 Resp: 5864
Ion Ratio Lower Upper
84 100
86 60.8 44.9 83.5
49 103.2 85.4 158.6





#17
trans-1,2-Dichloroethene
Concen: 2.195 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

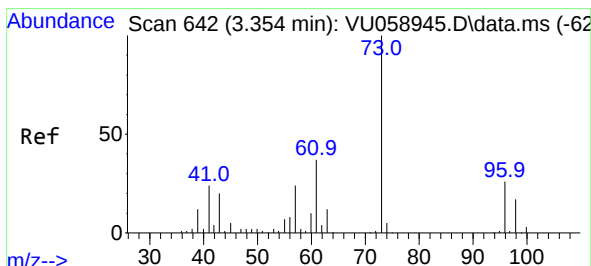
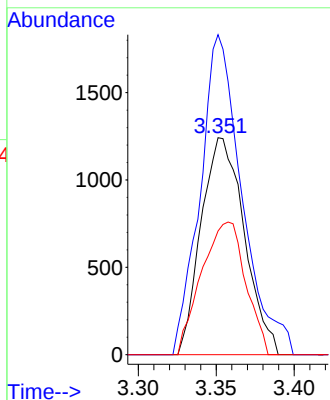
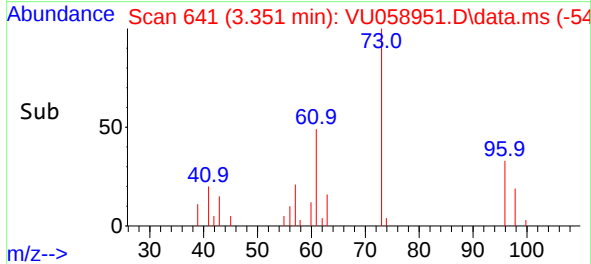
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion: 96 Resp: 2389
Ion Ratio Lower Upper
96 100
61 147.5 103.5 192.1
98 57.0 44.9 83.3

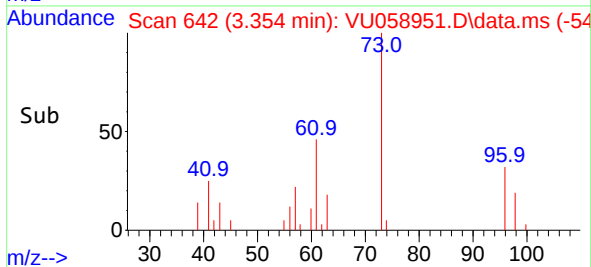
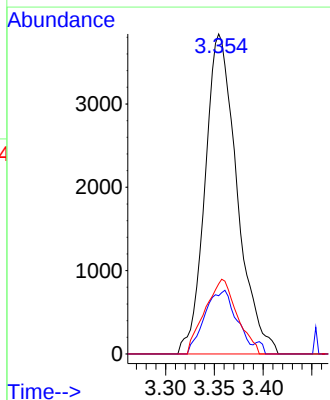
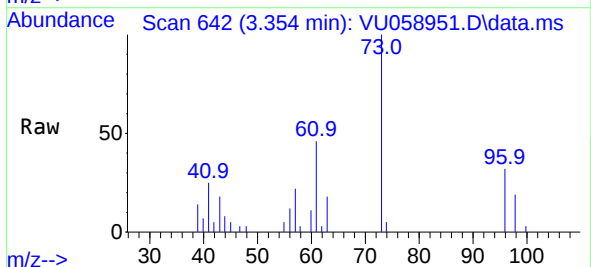
Manual Integrations
APPROVED

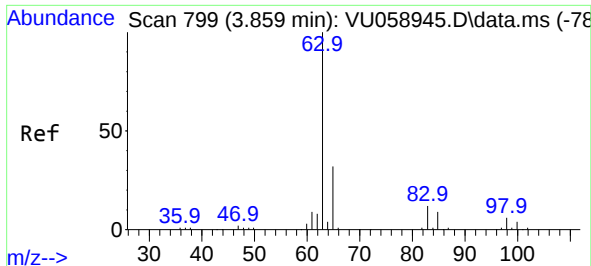
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#18
Methyl tert-butyl Ether
Concen: 2.033 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

Tgt Ion: 73 Resp: 8757
Ion Ratio Lower Upper
73 100
43 19.9 15.4 23.2
57 23.5 18.6 27.8





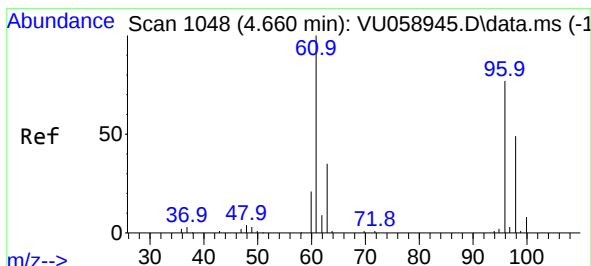
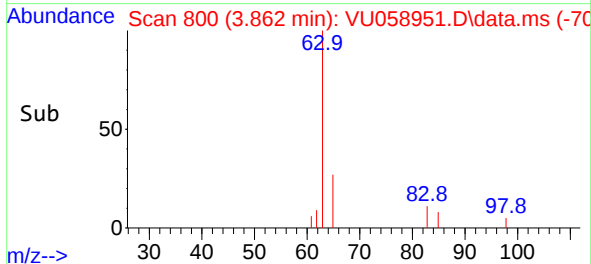
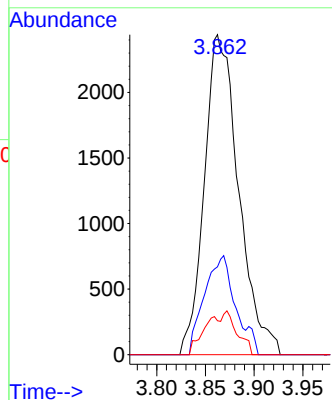
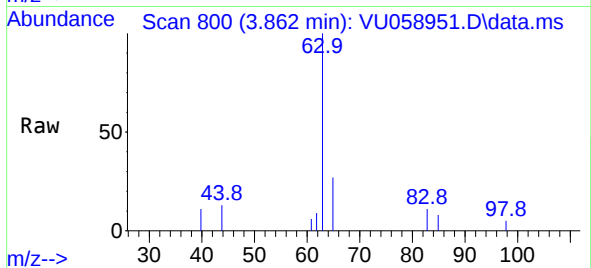
#19
1,1-Dichloroethane
Concen: 2.153 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

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

Tgt Ion: 63 Resp: 596
Ion Ratio Lower Upper
63 100
65 27.5 22.3 41.3
83 10.6 8.5 15.9

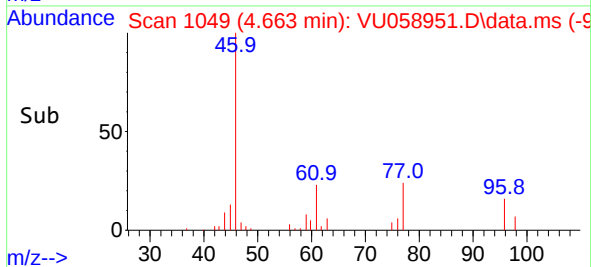
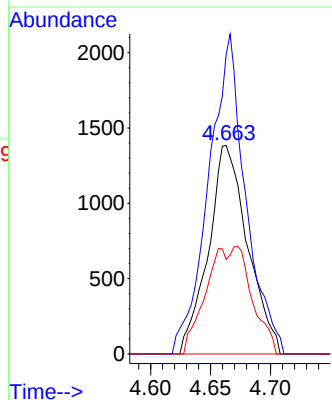
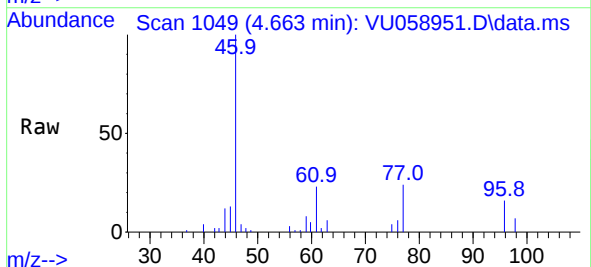
Manual Integrations
APPROVED

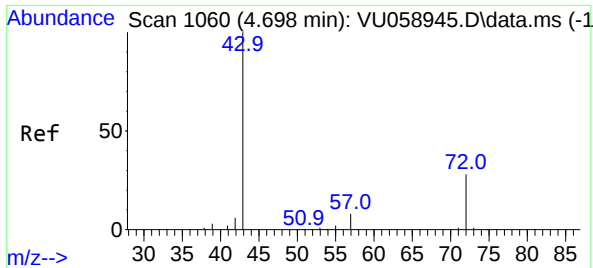
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#20
cis-1,2-Dichloroethene
Concen: 2.188 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

Tgt Ion: 96 Resp: 3152
Ion Ratio Lower Upper
96 100
61 143.4 91.1 169.3
98 45.3 44.4 82.4





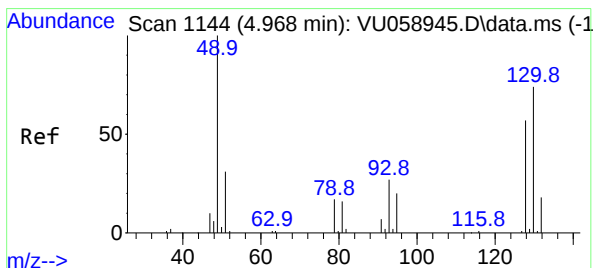
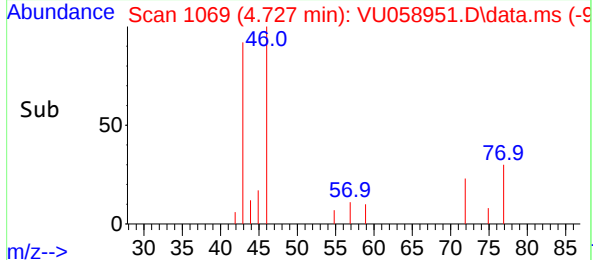
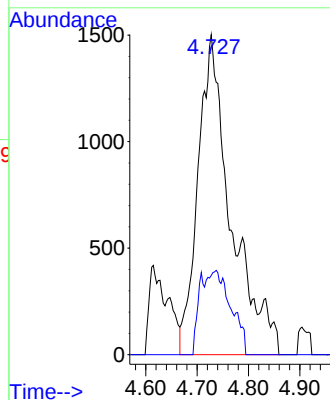
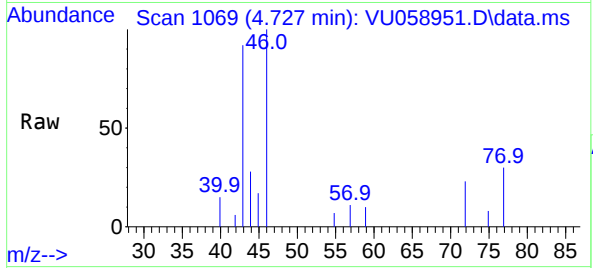
#22
2-Butanone
Concen: 4.593 ug/L m
RT: 4.727 min Scan# 1069
Delta R.T. 0.029 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

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

Tgt Ion: 43 Resp: 670
Ion Ratio Lower Upper
43 100
72 5.4 13.9 41.7

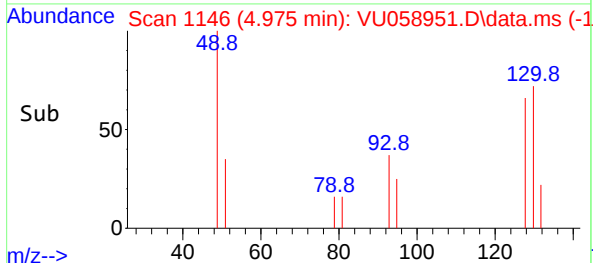
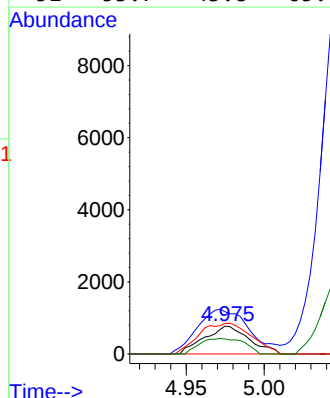
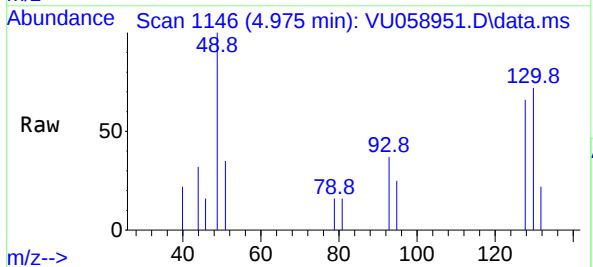
Manual Integrations
APPROVED

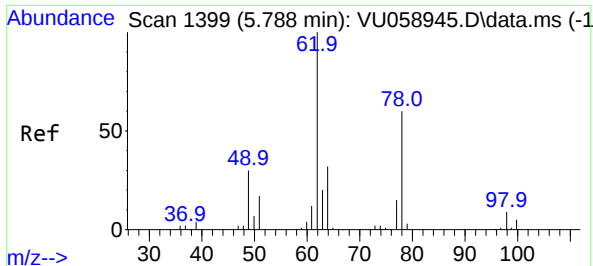
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#23
Bromochloromethane
Concen: 2.044 ug/L
RT: 4.975 min Scan# 1146
Delta R.T. 0.007 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

Tgt Ion:128 Resp: 1535
Ion Ratio Lower Upper
128 100
49 151.7 123.8 229.8
130 109.8 90.6 168.2
51 53.7 43.8 65.6





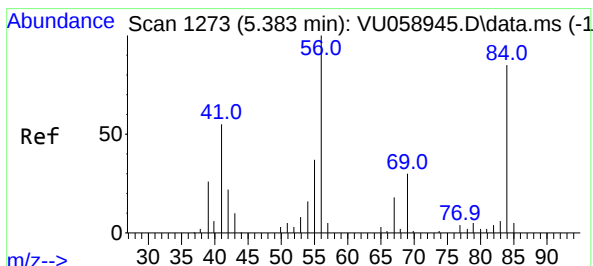
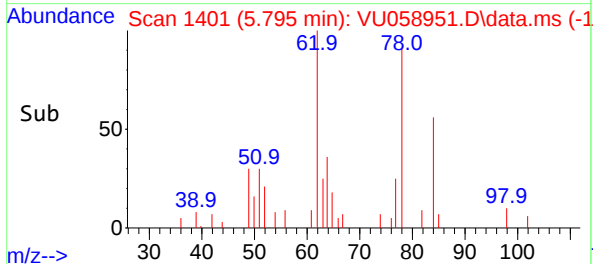
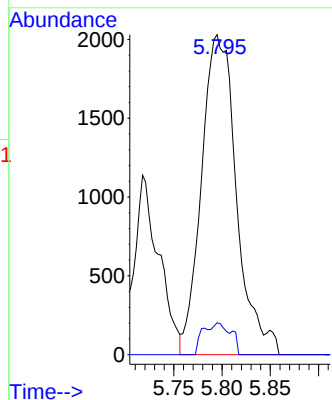
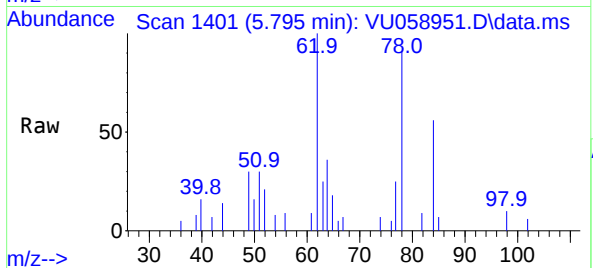
1,2-Dichloroethane
Concen: 2.294 ug/L m
RT: 5.795 min Scan# 1401
Delta R.T. 0.006 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

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

Tgt Ion: 62 Resp: 5120
Ion Ratio Lower Upper
62 100
98 10.0 7.0 10.4

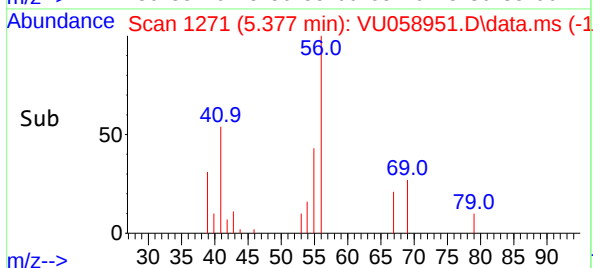
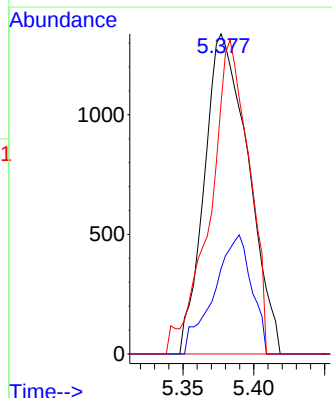
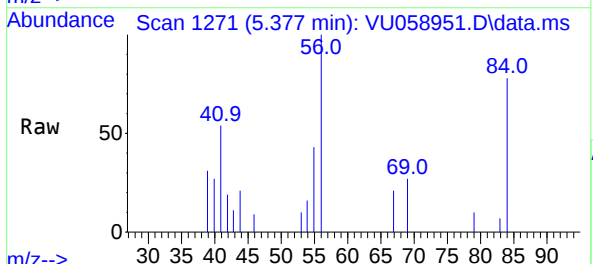
Manual Integrations
APPROVED

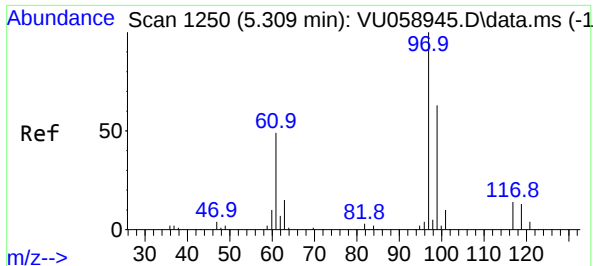
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



Cyclohexane
Concen: 1.844 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.006 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

Tgt Ion: 56 Resp: 2882
Ion Ratio Lower Upper
56 100
69 30.4 24.3 36.5
84 85.3 66.7 100.1





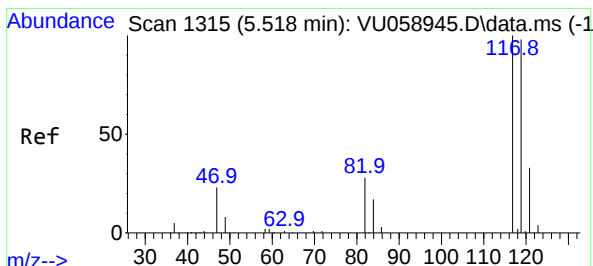
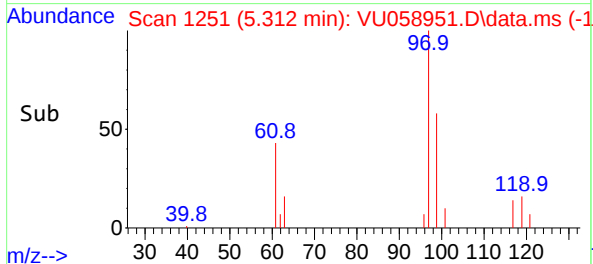
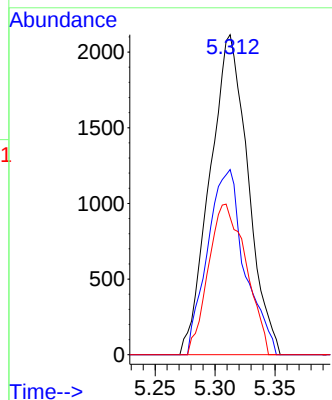
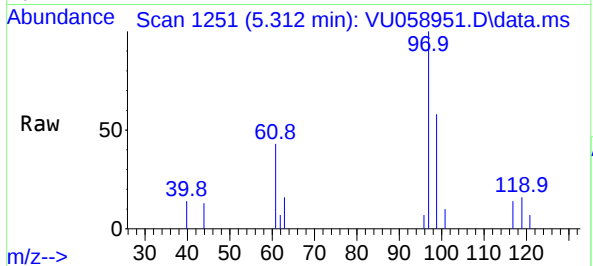
#30
1,1,1-Trichloroethane
Concen: 2.117 ug/L
RT: 5.312 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

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

Tgt Ion: 97 Resp: 466
Ion Ratio Lower Upper
97 100
99 56.6 51.8 77.8
61 46.7 38.9 58.3

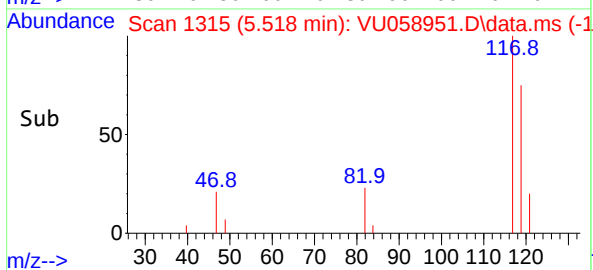
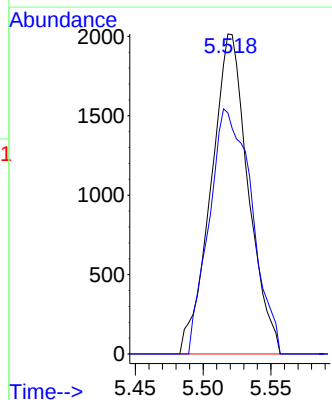
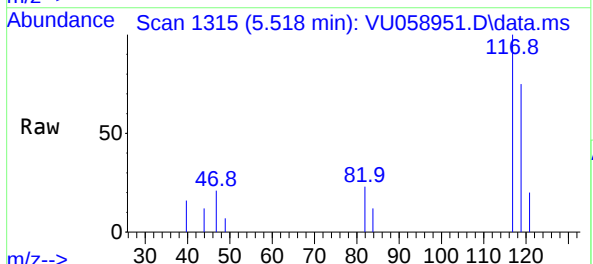
Manual Integrations
APPROVED

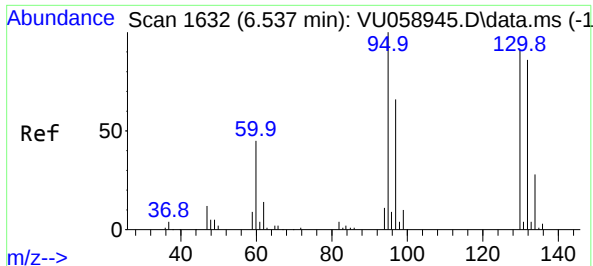
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#31
Carbon tetrachloride
Concen: 2.153 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

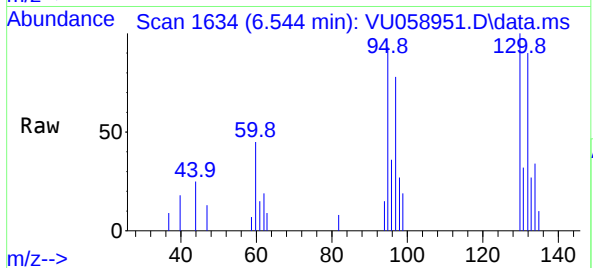
Tgt Ion:117 Resp: 3833
Ion Ratio Lower Upper
117 100
119 87.8 77.4 116.0





#34
Trichloroethene
Concen: 1.974 ug/L
RT: 6.544 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

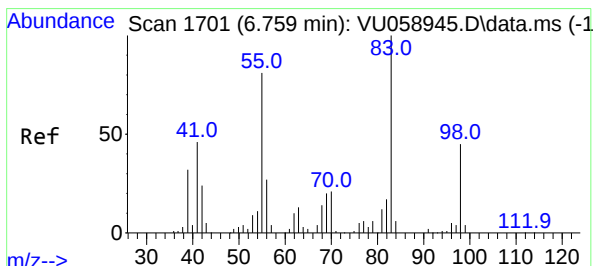
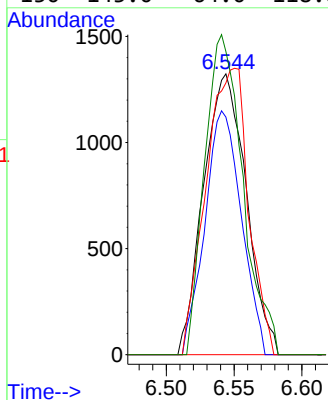
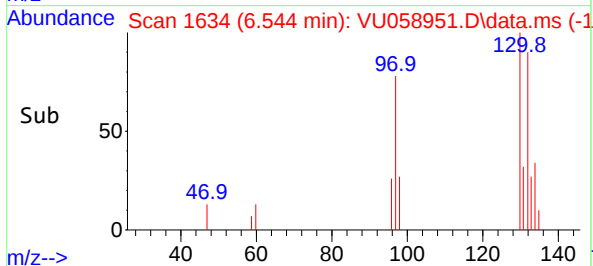
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-03



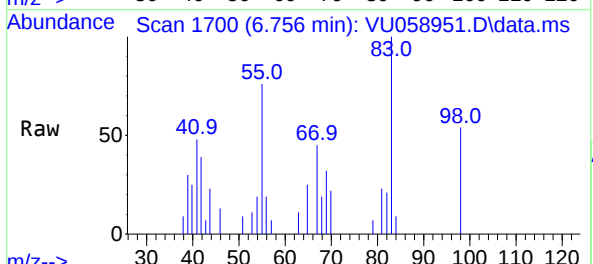
Tgt Ion: 95 Resp: 2892
Ion Ratio Lower Upper
95 100
97 84.7 45.9 85.3
132 96.7 60.5 112.5
130 143.0 64.0 118.8#

Manual Integrations
APPROVED

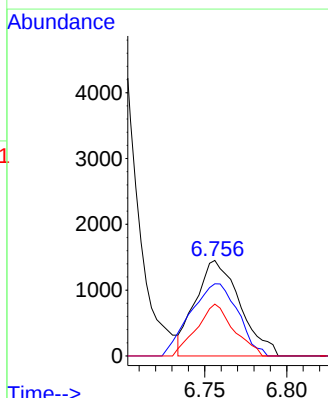
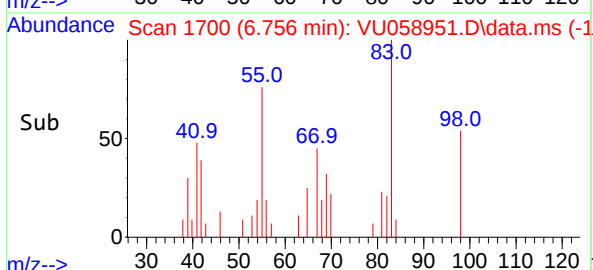
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024

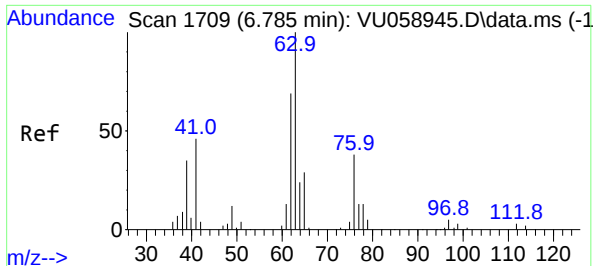


#35
Methylcyclohexane
Concen: 1.591 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18



Tgt Ion: 83 Resp: 2732
Ion Ratio Lower Upper
83 100
55 80.9 61.5 92.3
98 45.2 36.2 54.2





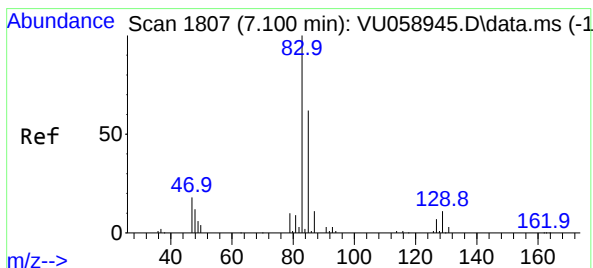
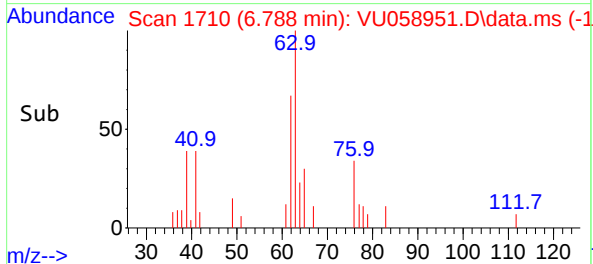
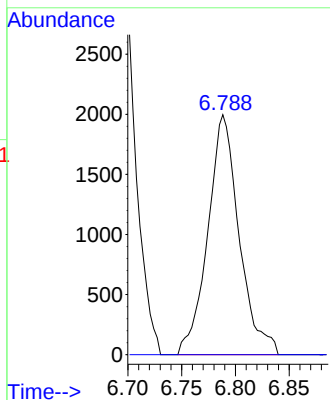
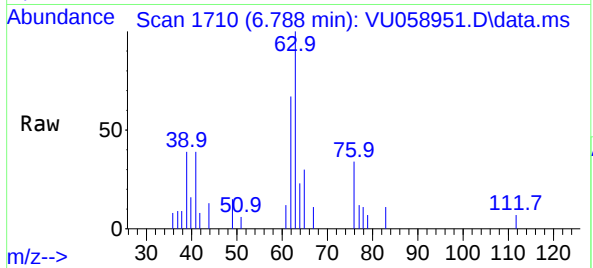
#37
1,2-Dichloropropane
Concen: 2.256 ug/L
RT: 6.788 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

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

Tgt Ion: 63 Resp: 404
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7

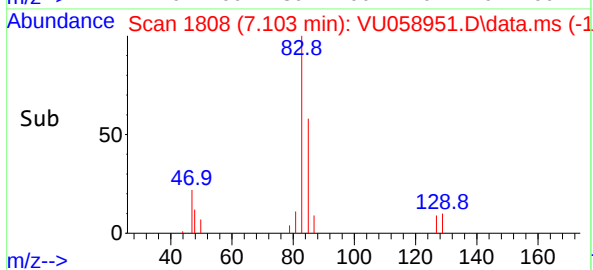
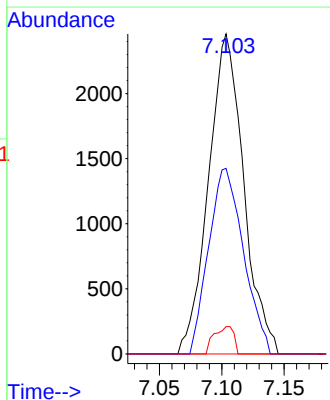
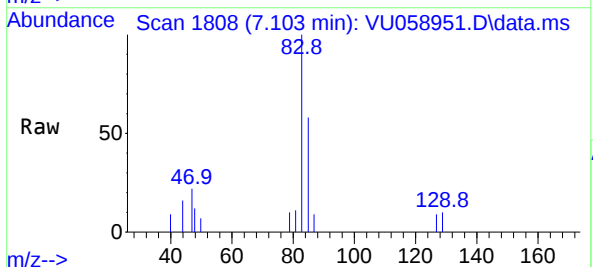
Manual Integrations
APPROVED

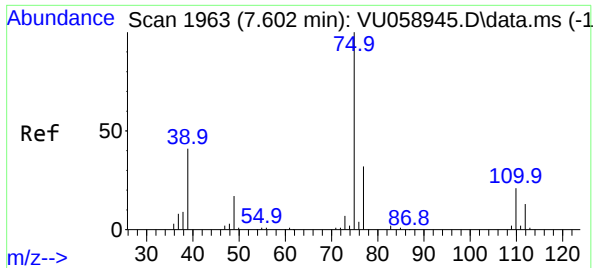
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#38
Bromodichloromethane
Concen: 2.162 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

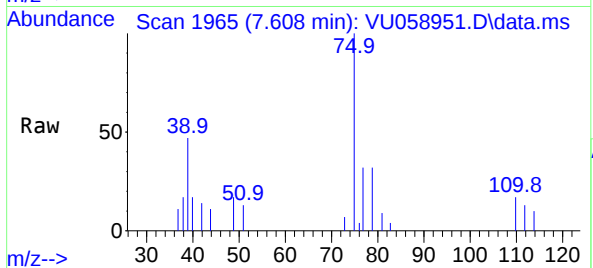
Tgt Ion: 83 Resp: 4821
Ion Ratio Lower Upper
83 100
85 58.0 43.5 80.9
127 8.5 5.8 8.6





#39
cis-1,3-Dichloropropene
Concen: 2.263 ug/L m
RT: 7.608 min Scan# 1963
Delta R.T. 0.007 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

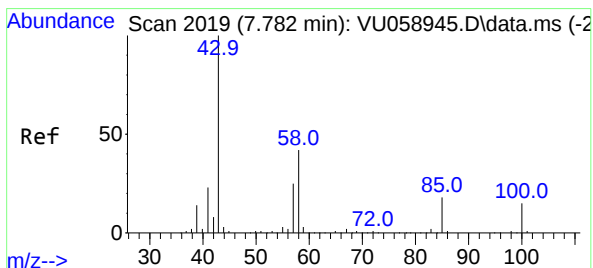
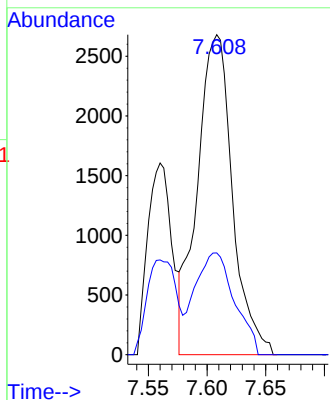
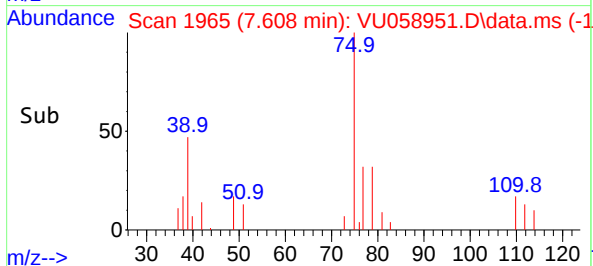
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2024-03



Tgt Ion: 75 Resp: 5592
Ion Ratio Lower Upper
75 100
77 31.8 22.5 41.7

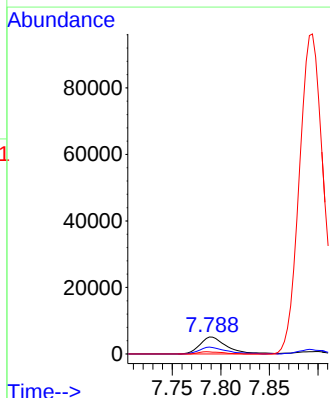
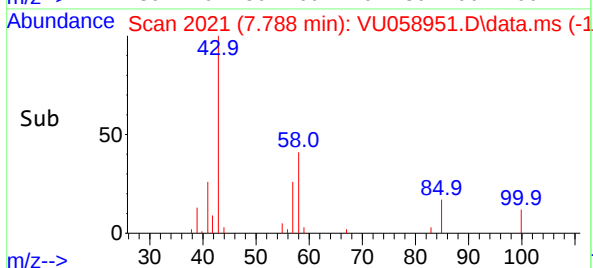
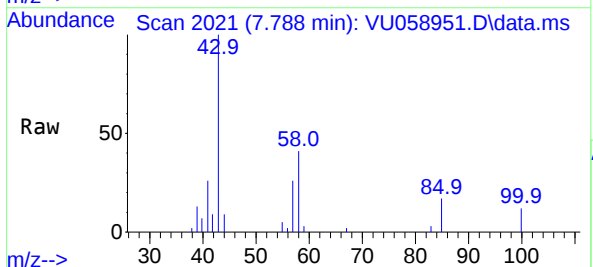
Manual Integrations
APPROVED

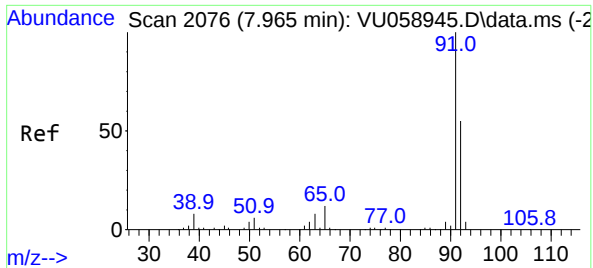
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#40
4-Methyl-2-pentanone
Concen: 3.839 ug/L m
RT: 7.788 min Scan# 2021
Delta R.T. 0.006 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

Tgt Ion: 43 Resp: 9819
Ion Ratio Lower Upper
43 100
58 39.5 33.5 50.3
100 11.4 11.8 17.8#





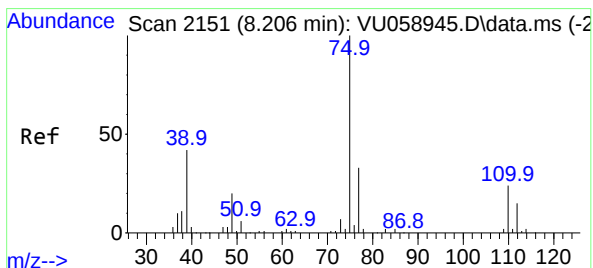
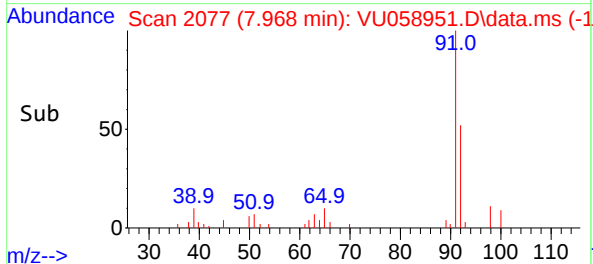
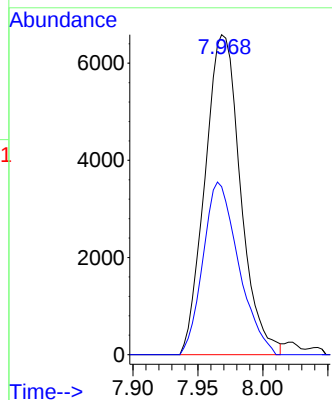
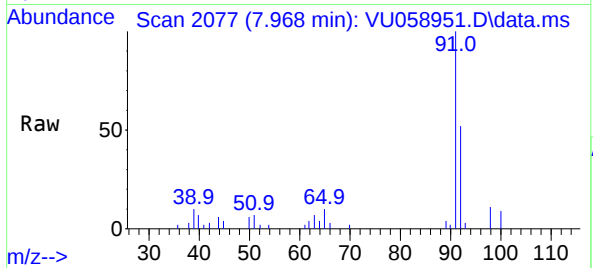
#42
Toluene
Concen: 2.119 ug/L
RT: 7.968 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

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

Tgt Ion: 91 Resp: 12538
Ion Ratio Lower Upper
91 100
92 52.5 38.7 71.9

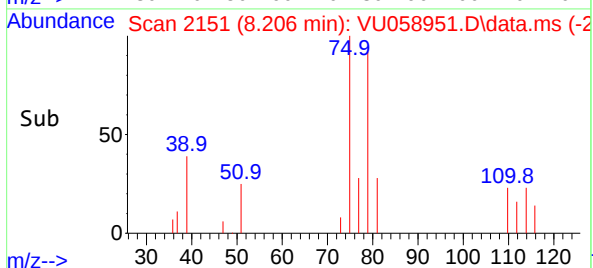
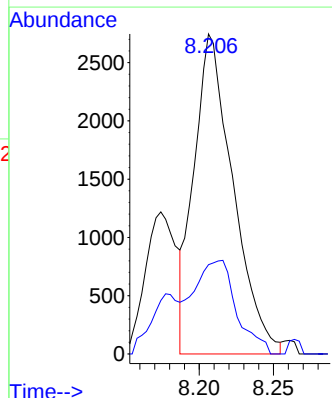
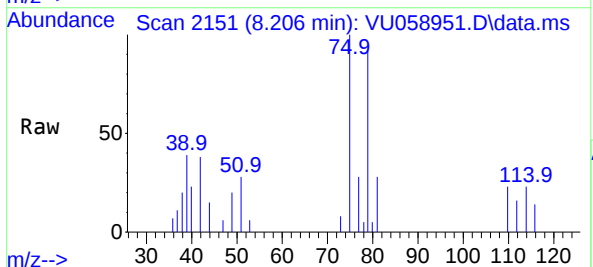
Manual Integrations
APPROVED

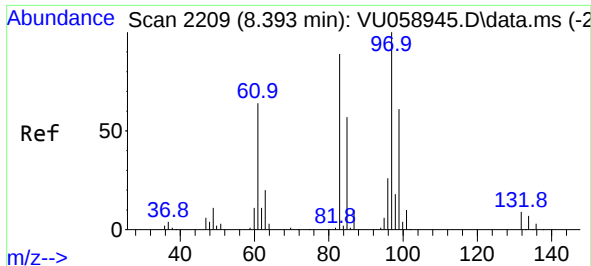
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#44
trans-1,3-Dichloropropene
Concen: 2.147 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. 0.000 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

Tgt Ion: 75 Resp: 5022
Ion Ratio Lower Upper
75 100
77 27.9 23.0 42.8





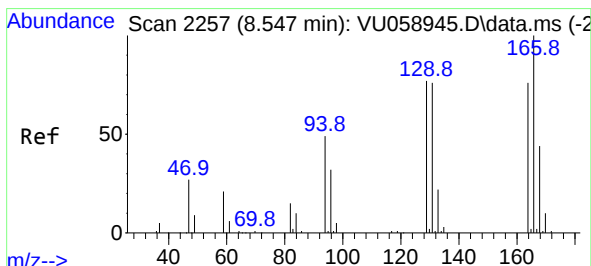
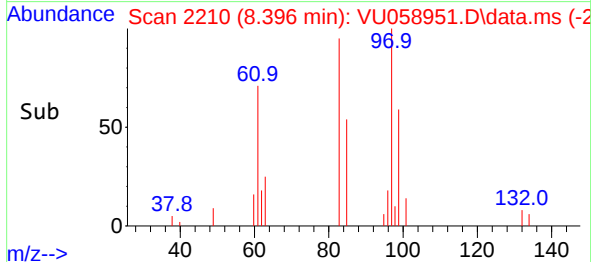
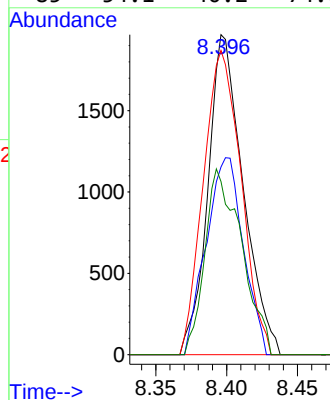
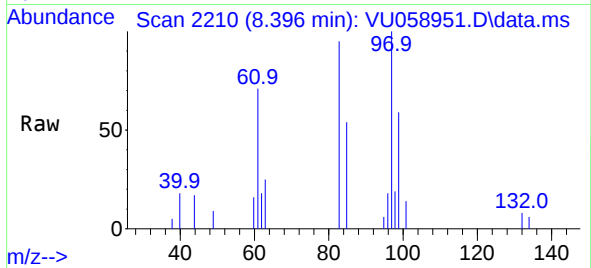
#45
1,1,2-Trichloroethane
Concen: 1.925 ug/L
RT: 8.396 min Scan# 2109
Delta R.T. 0.003 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

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

Tgt Ion: 97	Resp: 3409		
Ion	Ratio	Lower	Upper
97	100		
99	58.7	42.6	79.2
83	95.1	62.2	115.6
85	54.1	40.2	74.6

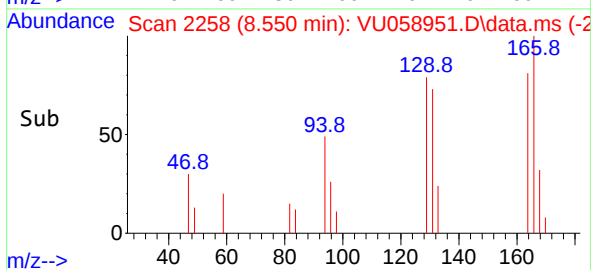
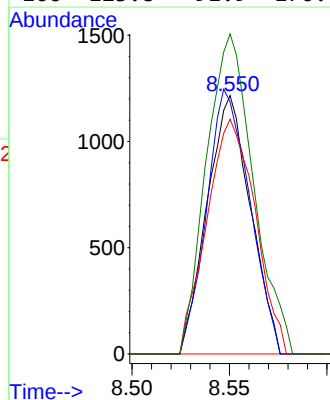
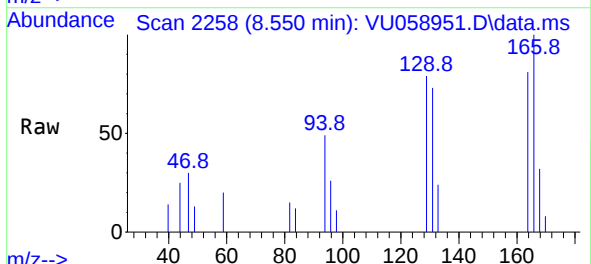
Manual Integrations
APPROVED

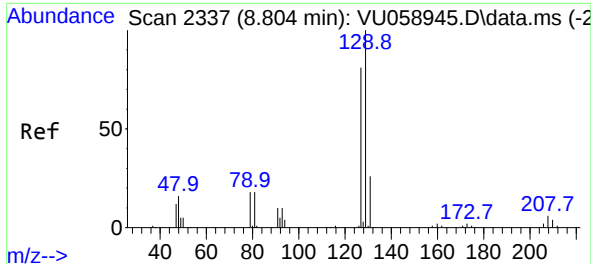
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#46
Tetrachloroethene
Concen: 1.924 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

Tgt	Ion:164	Resp:	1880
Ion	Ratio	Lower	Upper
164	100		
129	97.5	70.6	131.0
131	90.9	69.2	128.6
166	123.8	91.9	170.7





#49

Dibromochloromethane

Concen: 1.926 ug/L

RT: 8.804 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU058951.D

Acq: 23 May 2024 16:18

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2024-03

Tgt Ion:129 Resp: 3260

Ion Ratio Lower Upper

129 100

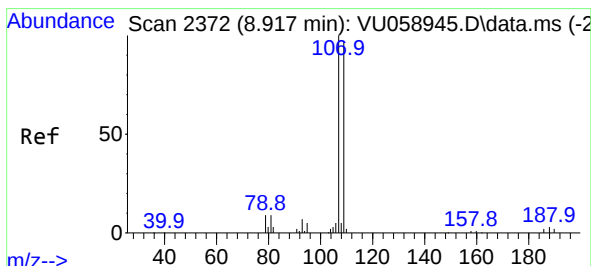
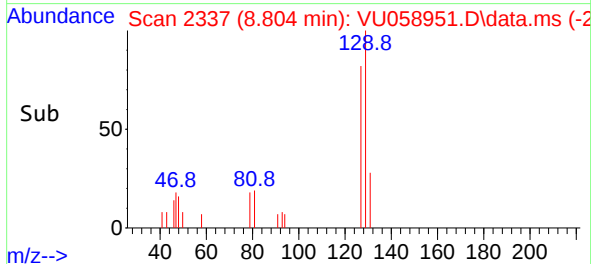
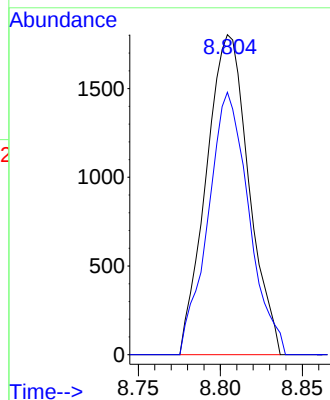
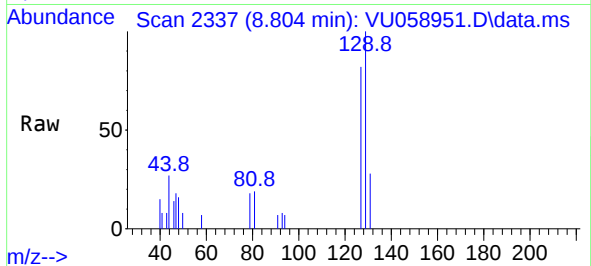
127 82.0 56.8 105.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/27/2024

Supervised By :Mahesh Dadoda 05/27/2024



#50

1,2-Dibromoethane

Concen: 2.275 ug/L

RT: 8.923 min Scan# 2374

Delta R.T. 0.007 min

Lab File: VU058951.D

Acq: 23 May 2024 16:18

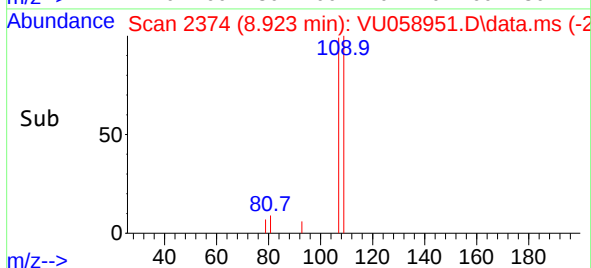
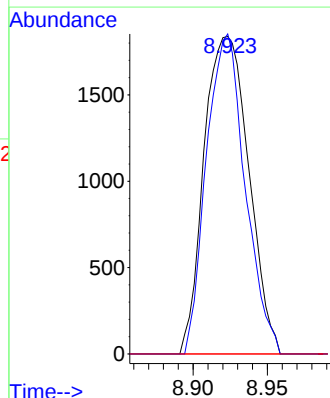
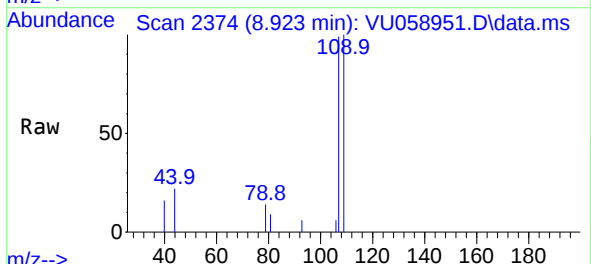
Tgt Ion:107 Resp: 3851

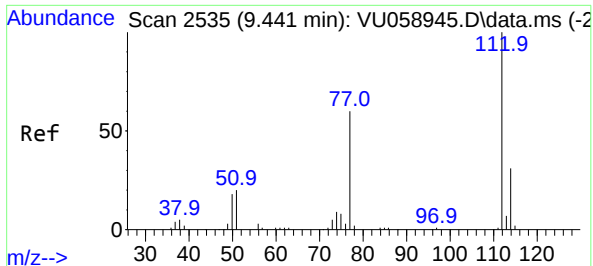
Ion Ratio Lower Upper

107 100

109 100.8 68.0 126.2

188 0.0 2.6 3.8#





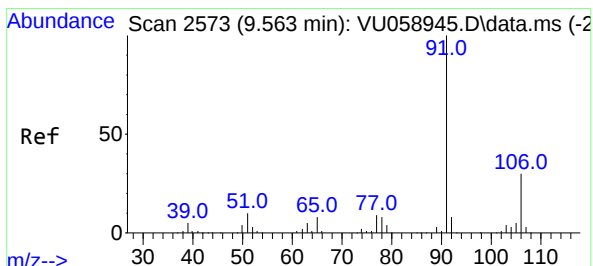
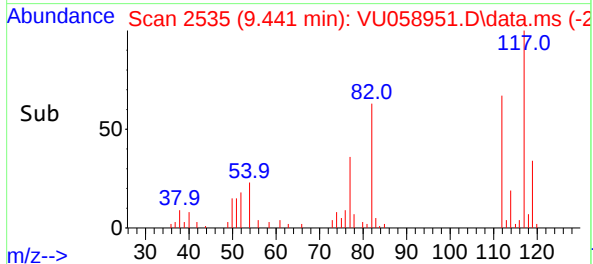
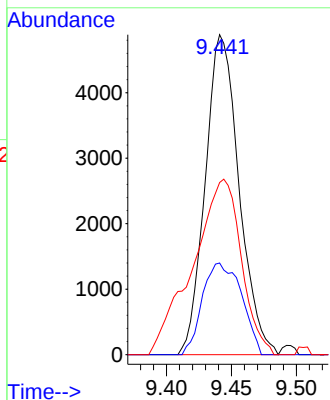
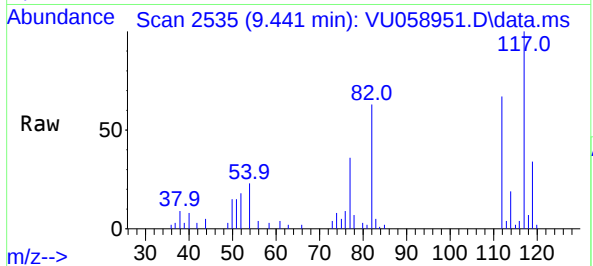
#51
Chlorobenzene
Concen: 2.261 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

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

Tgt Ion:112 Resp: 884
Ion Ratio Lower Upper
112 100
114 28.7 21.8 40.6
77 53.8 48.8 73.2

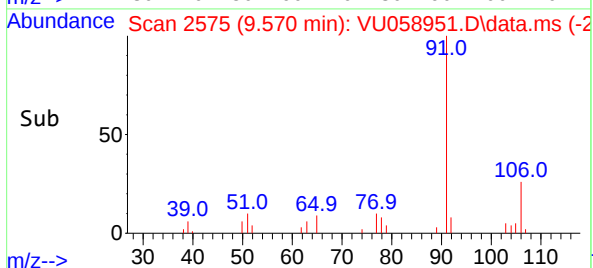
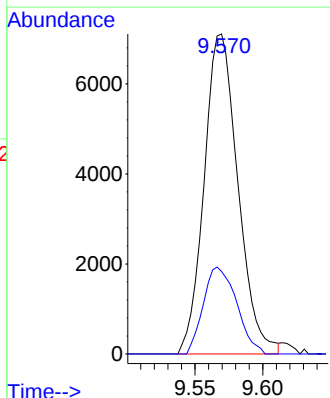
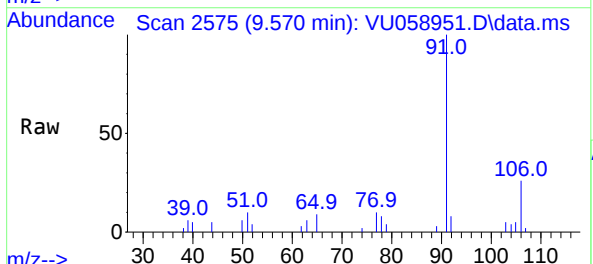
Manual Integrations
APPROVED

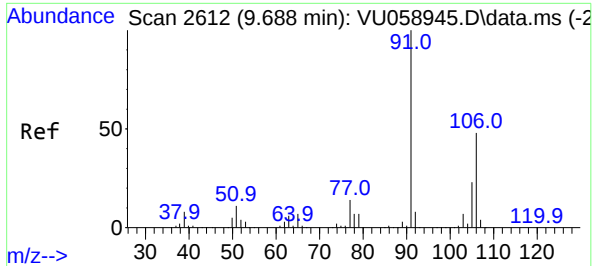
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#52
Ethylbenzene
Concen: 1.926 ug/L
RT: 9.570 min Scan# 2575
Delta R.T. 0.007 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

Tgt Ion: 91 Resp: 12336
Ion Ratio Lower Upper
91 100
106 28.1 20.8 38.6





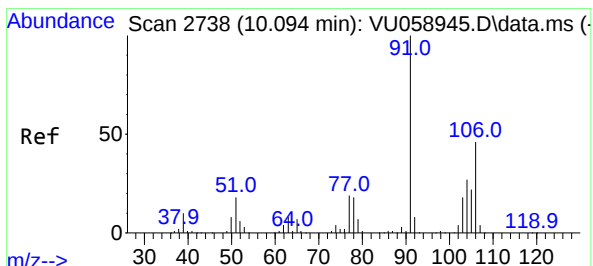
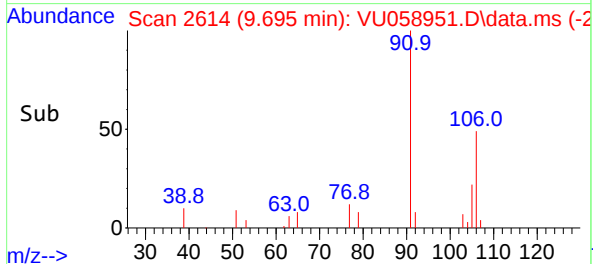
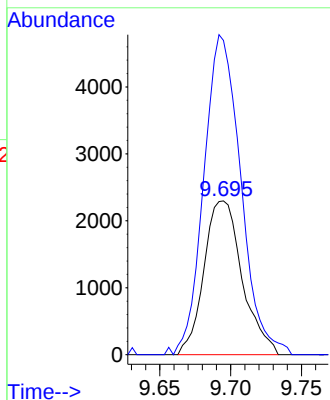
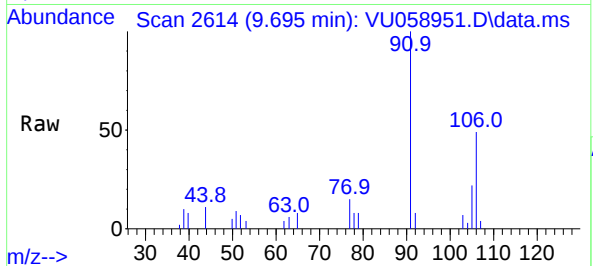
#53
m,p-Xylene
Concen: 1.874 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.007 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

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

Tgt Ion:106 Resp: 4310
Ion Ratio Lower Upper
106 100
91 204.4 145.7 270.7

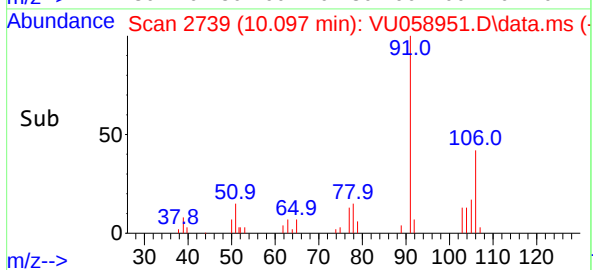
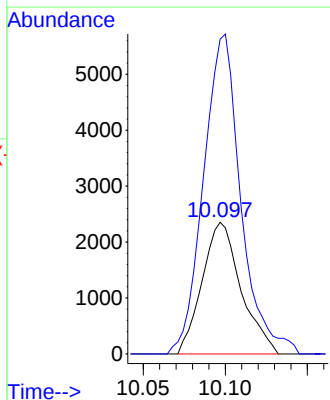
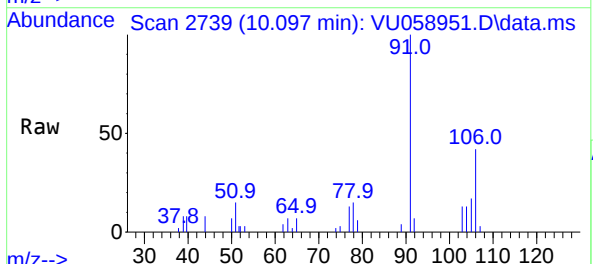
Manual Integrations
APPROVED

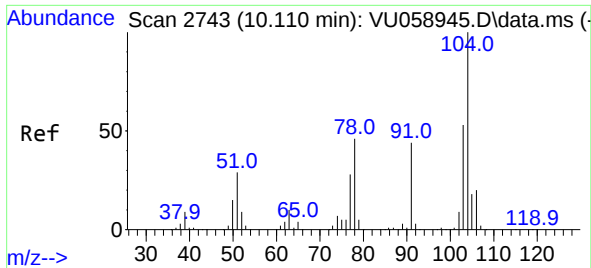
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#54
o-Xylene
Concen: 1.681 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

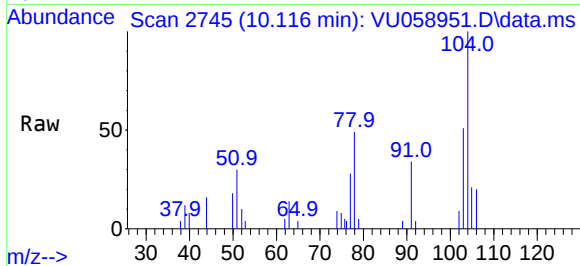
Tgt Ion:106 Resp: 3871
Ion Ratio Lower Upper
106 100
91 239.0 154.0 286.0





#55
Styrene
Concen: 1.703 ug/L m
RT: 10.116 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

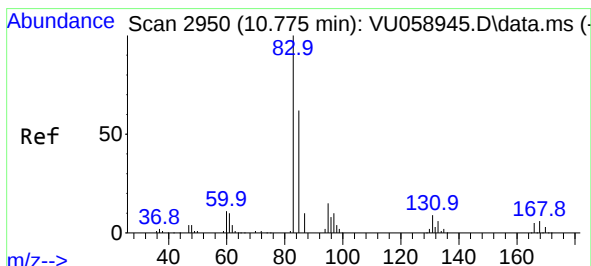
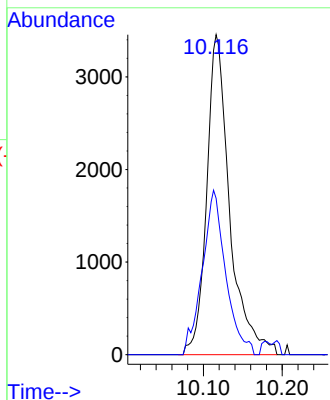
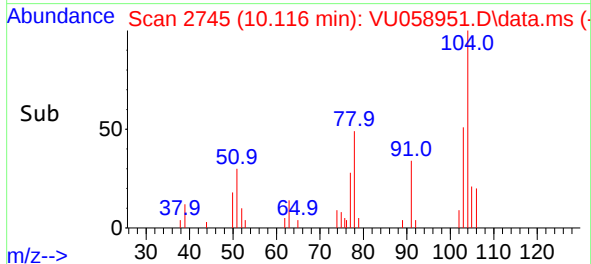
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion:104 Resp: 700
Ion Ratio Lower Upper
104 100
78 48.8 32.3 59.9

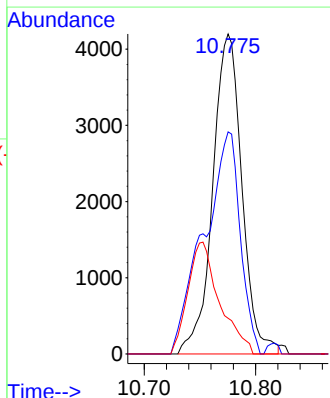
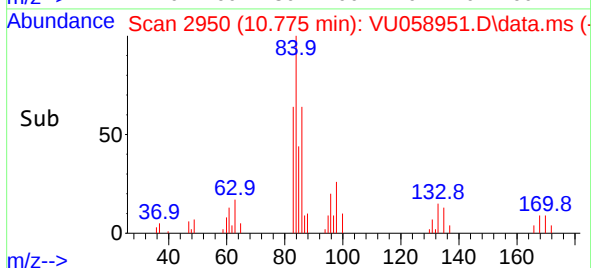
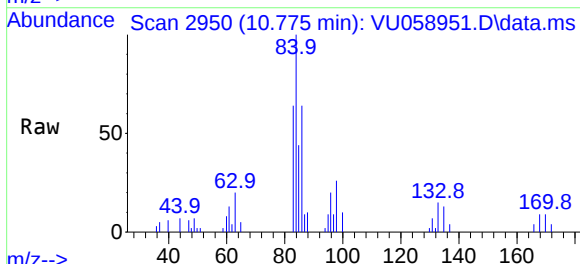
Manual Integrations
APPROVED

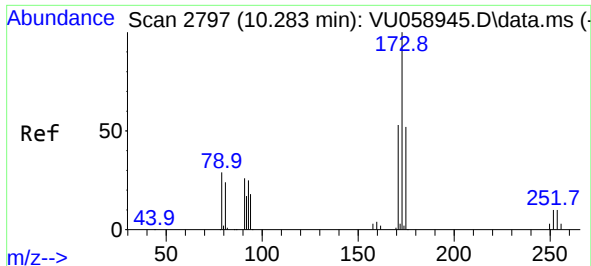
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 2.394 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

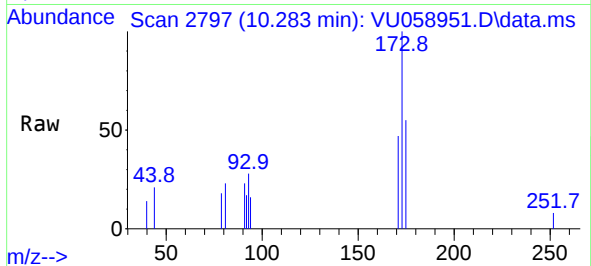
Tgt Ion: 83 Resp: 7641
Ion Ratio Lower Upper
83 100
85 69.4 43.5 80.9
131 11.1 7.1 10.7#





#59
Bromoform
Concen: 2.363 ug/L
RT: 10.283 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

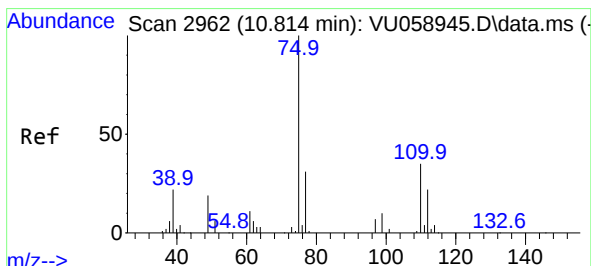
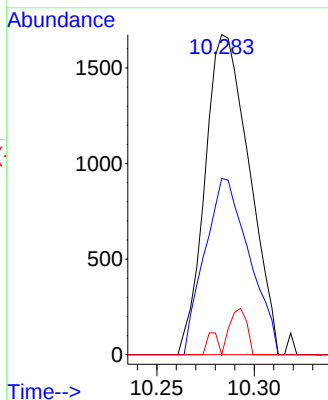
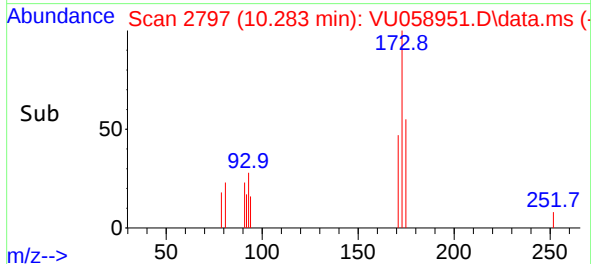
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-03



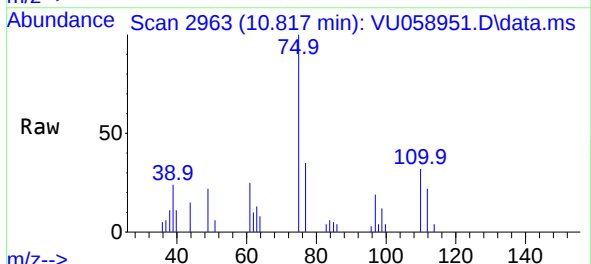
Tgt Ion:173 Resp: 264
Ion Ratio Lower Upper
173 100
175 55.4 40.6 61.0
254 1.7 7.3 10.9

Manual Integrations
APPROVED

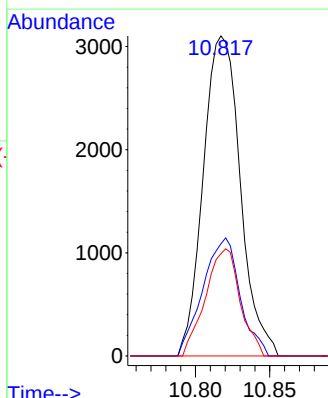
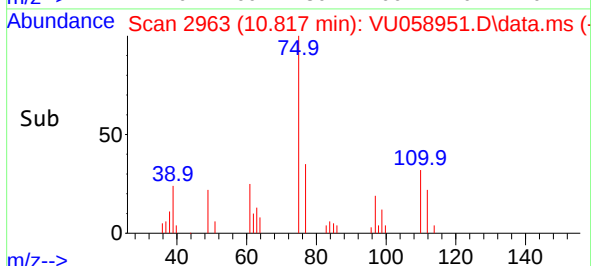
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024

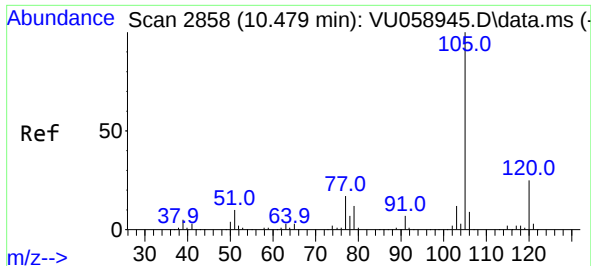


#60
1,2,3-Trichloropropane
Concen: 2.507 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.003 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18



Tgt Ion: 75 Resp: 5389
Ion Ratio Lower Upper
75 100
77 37.0 25.8 38.6
110 31.3 28.3 42.5





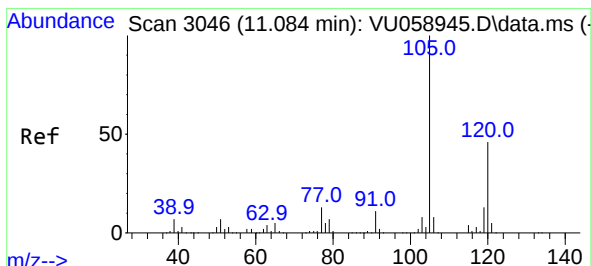
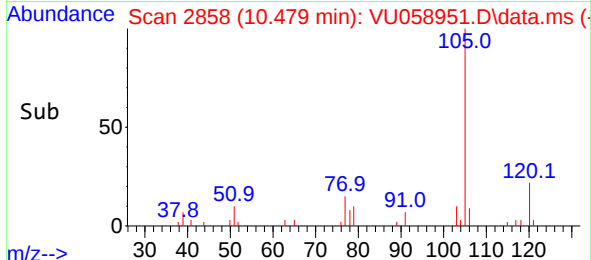
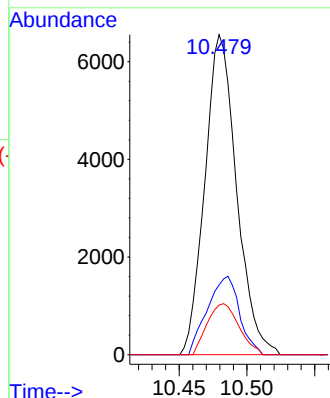
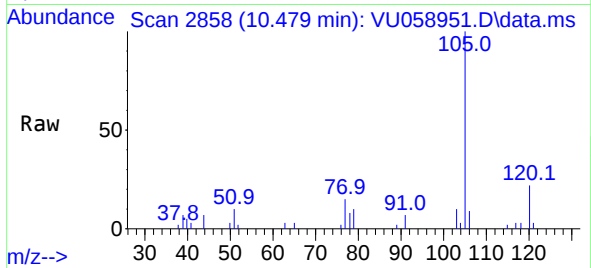
#61
Isopropylbenzene
Concen: 1.979 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

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

Tgt Ion:	105	Resp:	10674
Ion Ratio	Lower	Upper	
105	100		
120	24.7	20.0	30.0
77	15.9	13.4	20.0

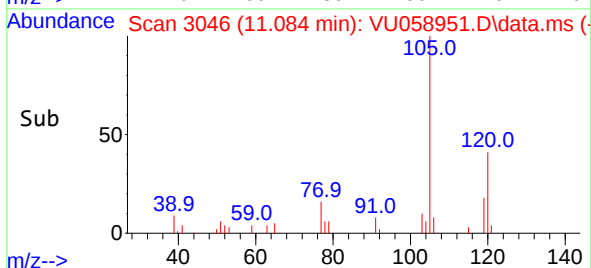
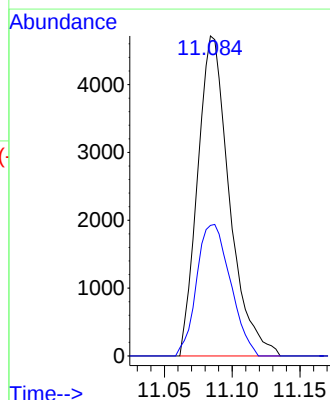
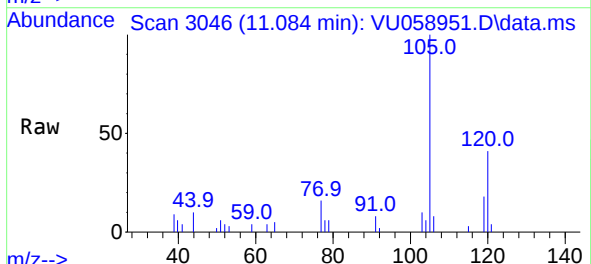
Manual Integrations APPROVED

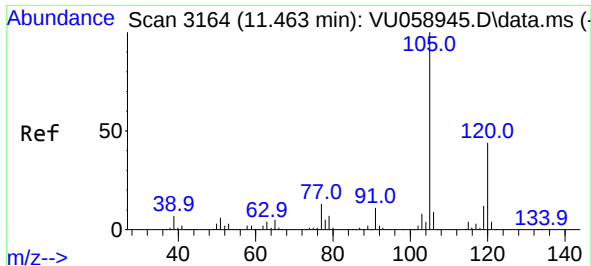
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#62
1,3,5-Trimethylbenzene
Concen: 1.810 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

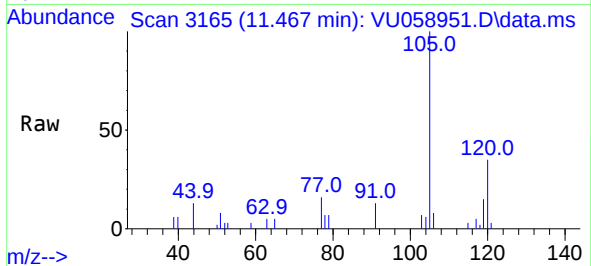
Tgt Ion:	105	Resp:	7693
Ion Ratio	Lower	Upper	
105	100		
120	43.7	36.9	55.3





#63
1,2,4-Trimethylbenzene
Concen: 1.682 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

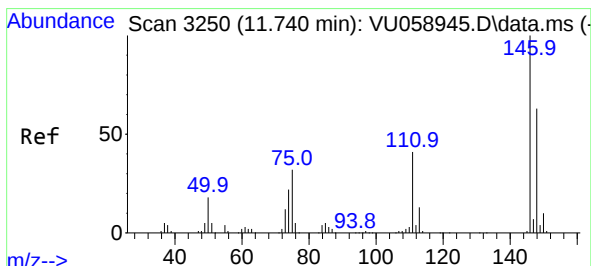
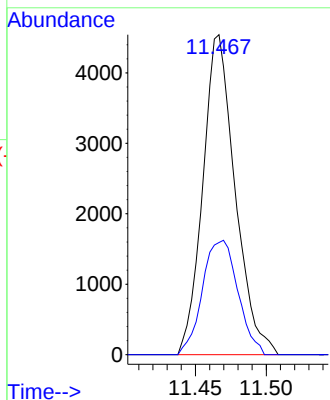
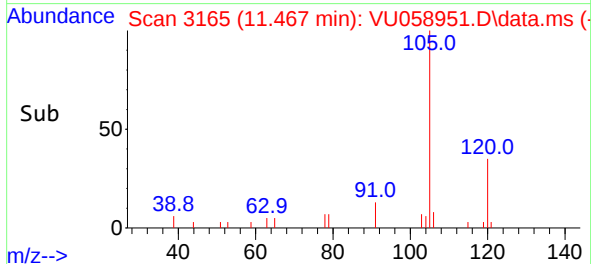
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-03



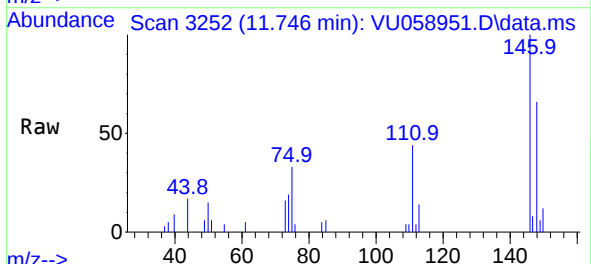
Tgt Ion:105 Resp: 7209
Ion Ratio Lower Upper
105 100
120 39.2 35.3 52.9

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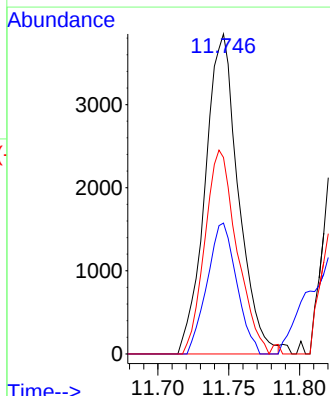
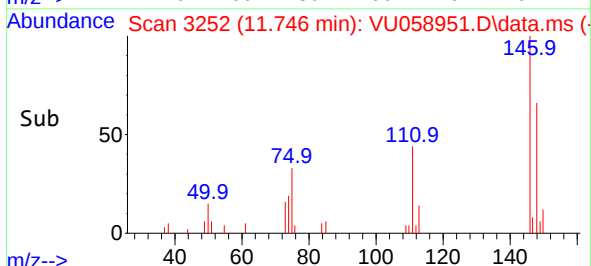
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024

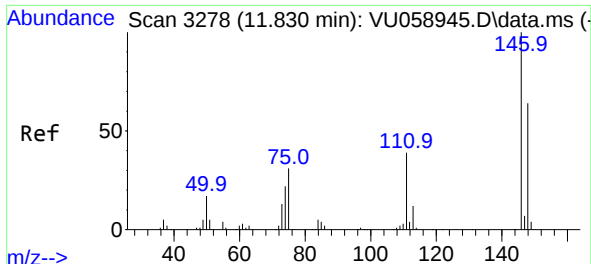


#64
1,3-Dichlorobenzene
Concen: 2.242 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.007 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18



Tgt Ion:146 Resp: 6277
Ion Ratio Lower Upper
146 100
111 40.9 28.6 53.0
148 61.4 44.2 82.2





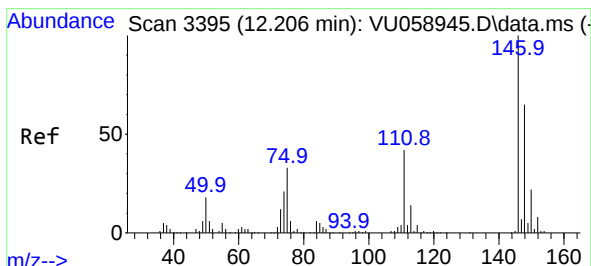
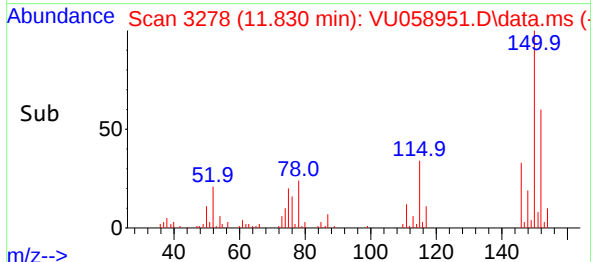
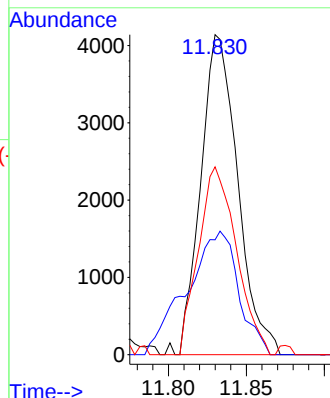
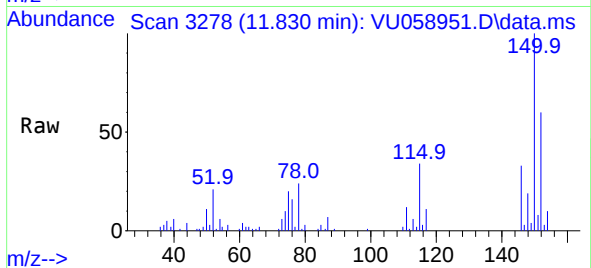
#65
1,4-Dichlorobenzene
Concen: 2.409 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

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

Tgt Ion:146 Resp: 6812
Ion Ratio Lower Upper
146 100
111 36.4 27.3 50.7
148 54.5 44.7 83.1

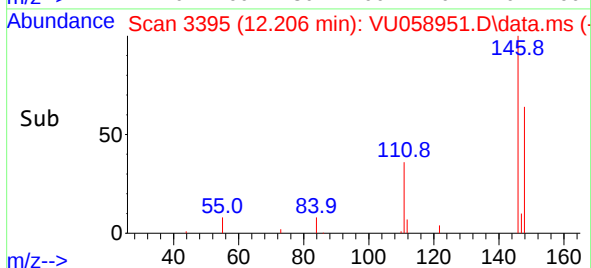
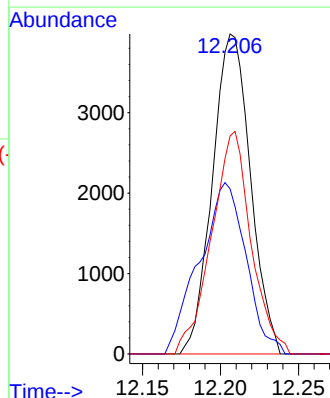
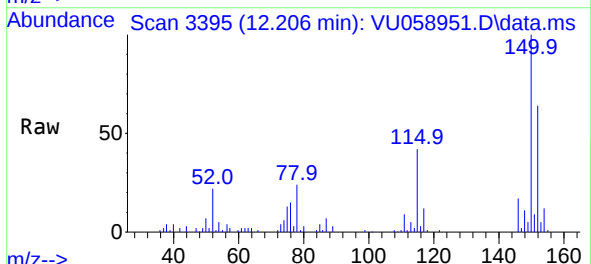
Manual Integrations
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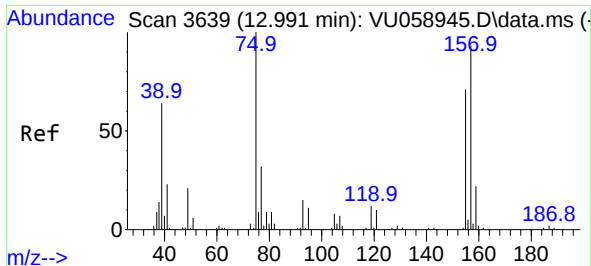
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#67
1,2-Dichlorobenzene
Concen: 2.371 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

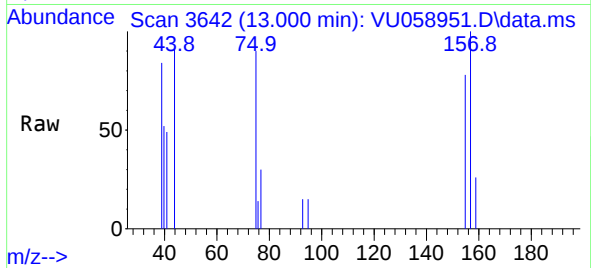
Tgt Ion:146 Resp: 6753
Ion Ratio Lower Upper
146 100
111 57.9 34.1 51.1#
148 68.2 52.2 78.4





#68
1,2-Dibromo-3-chloropropane
Concen: 1.988 ug/L
RT: 13.000 min Scan# 30
Delta R.T. 0.010 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

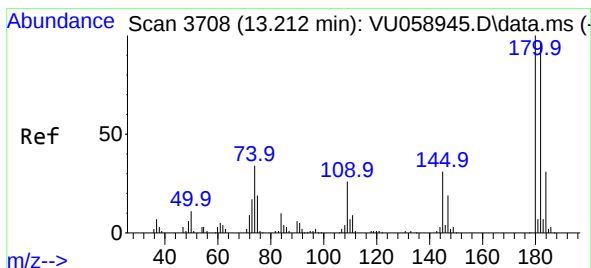
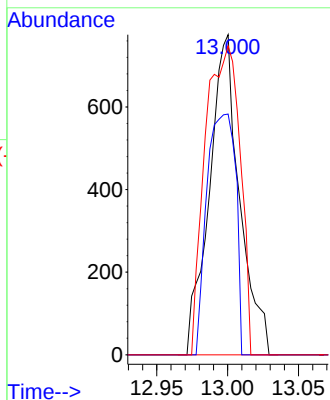
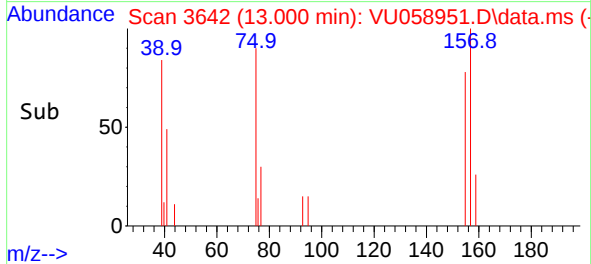
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2024-03



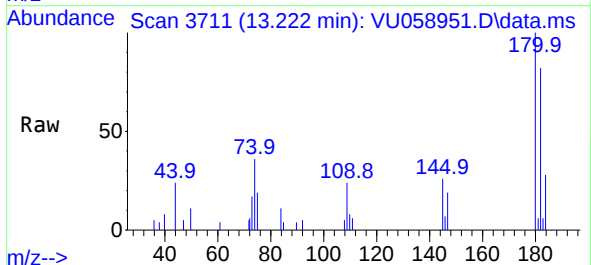
Tgt Ion: 75 Resp: 1150
Ion Ratio Lower Upper
75 100
155 75.2 60.2 90.4
157 96.5 77.2 115.8

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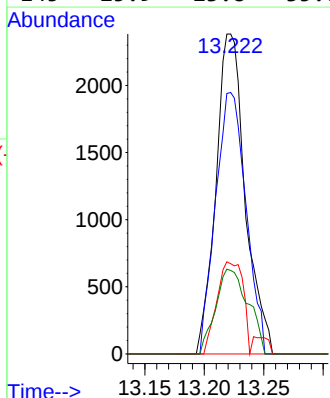
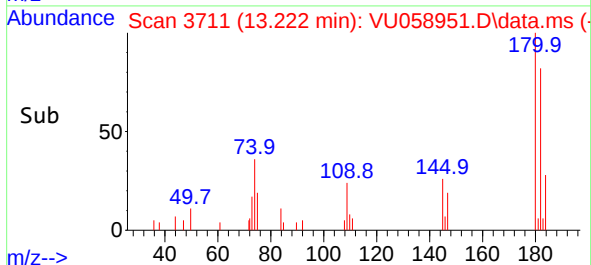
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024

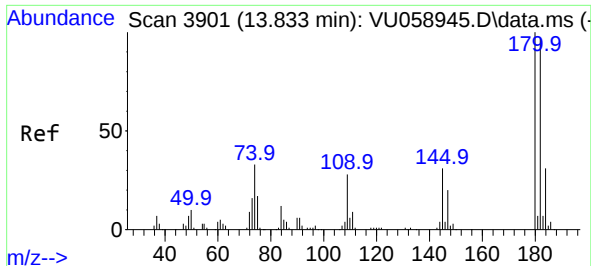


#69
1,3,5-Trichlorobenzene
Concen: 2.069 ug/L m
RT: 13.222 min Scan# 3711
Delta R.T. 0.010 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18



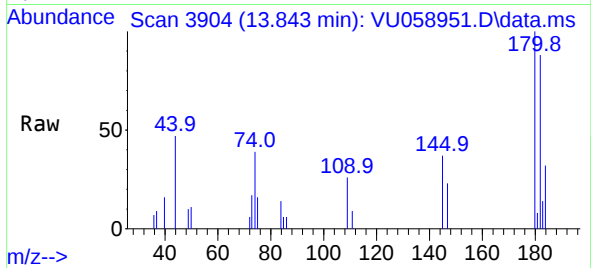
Tgt Ion:180 Resp: 4081
Ion Ratio Lower Upper
180 100
182 77.4 75.7 113.5
184 22.1 24.3 36.5#
145 25.9 23.8 35.6





#70
1,2,4-trichlorobenzene
Concen: 1.799 ug/L
RT: 13.843 min Scan# 3901
Delta R.T. 0.010 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

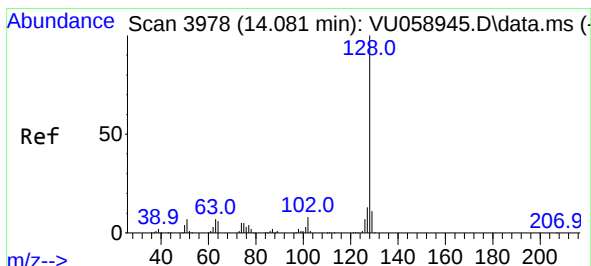
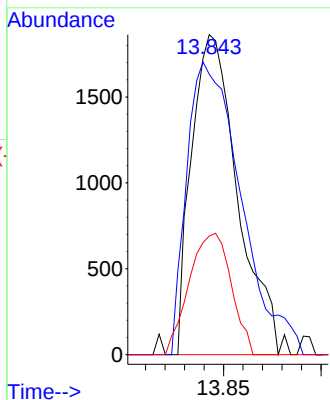
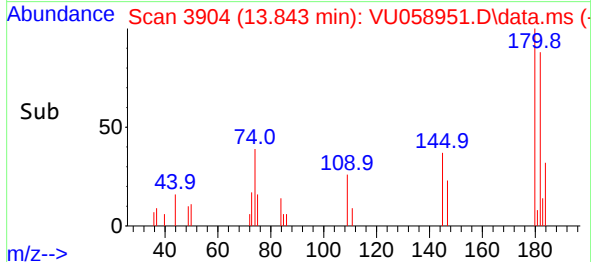
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion:180 Resp: 3050
Ion Ratio Lower Upper
180 100
182 103.3 78.6 117.8
145 34.6 24.6 37.0

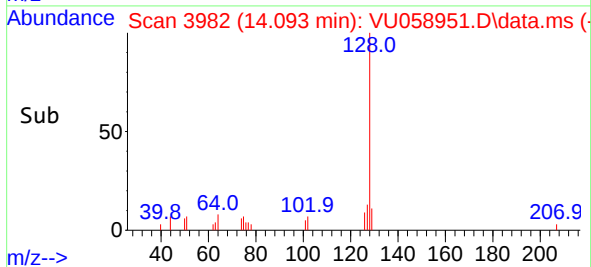
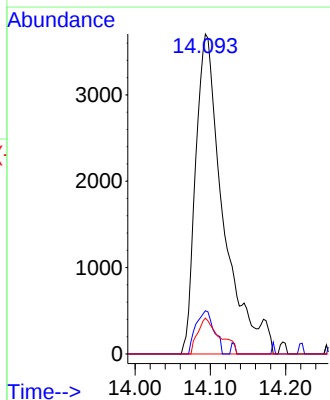
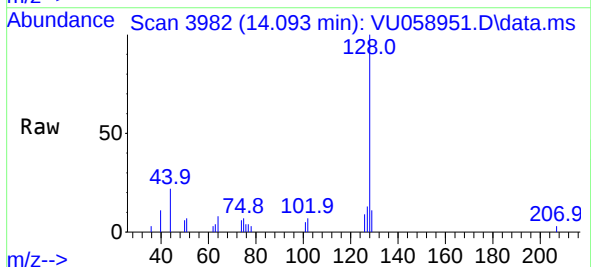
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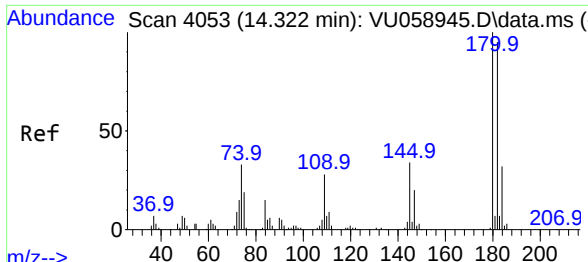
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#71
Naphthalene
Concen: 1.902 ug/L m
RT: 14.093 min Scan# 3982
Delta R.T. 0.013 min
Lab File: VU058951.D
Acq: 23 May 2024 16:18

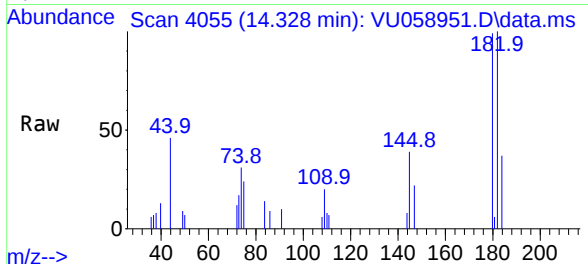
Tgt Ion:128 Resp: 9426
Ion Ratio Lower Upper
128 100
127 8.5 10.8 16.2#
129 7.3 8.8 13.2#





#72
 1,2,3-Trichlorobenzene
 Concen: 1.910 ug/L
 RT: 14.328 min Scan# 4053
 Delta R.T. 0.006 min
 Lab File: VU058951.D
 Acq: 23 May 2024 16:18

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



Tgt Ion:	180	Resp:	332
Ion Ratio	Lower	Upper	
180	100		
182	98.7	76.1	114.1
145	35.1	26.2	39.2

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/27/2024
 Supervised By :Mahesh Dadoda 05/27/2024

