

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120524\
 Data File : VU062093.D
 Acq On : 05 Dec 2024 11:44
 Operator : MD/SY
 Sample : P4776-02
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2024-08

Quant Time: Dec 06 00:52:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 06 00:44:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/06/2024
 Supervised By :Semsettin Yesilyurt 12/06/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	164573	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	153690	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	73392	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	46845	41.083	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	82.160%	
7) Chloroethane-d5	1.901	69	36662	44.612	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	89.220%	
11) 1,1-Dichloroethene-d2	2.557	63	71943	33.277	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	66.560%	
21) 2-Butanone-d5	4.618	46	70806	91.379	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	91.380%	
24) Chloroform-d	5.052	84	107067	44.988	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	89.980%	
26) 1,2-Dichloroethane-d4	5.692	65	73713	48.550	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	97.100%	
32) Benzene-d6	5.718	84	202553	46.088	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	92.180%	
36) 1,2-Dichloropropane-d6	6.682	67	64854	46.957	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	93.920%	
41) Toluene-d8	7.891	98	186597	45.863	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	91.720%	
43) trans-1,3-Dichloroprop...	8.171	79	32593	47.220	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	94.440%	
47) 2-Hexanone-d5	8.627	63	47254	90.827	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	90.830%	
56) 1,1,2,2-Tetrachloroeth...	10.746	84	91926	45.737	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	91.480%	
66) 1,2-Dichlorobenzene-d4	12.187	152	72693	50.348	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	100.700%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	3410	2.170	ug/L	97
3) Chloromethane	1.515	50	3291	2.542	ug/L	93
5) Vinyl chloride	1.599	62	2850	2.134	ug/L #	53
6) Bromomethane	1.843	94	1707	2.327	ug/L	89
8) Chloroethane	1.924	64	2309m	3.001	ug/L	
9) Trichlorofluoromethane	2.129	101	4127	2.021	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	3288	2.872	ug/L #	70
12) 1,1-Dichloroethene	2.570	96	2857	2.744	ug/L #	1
13) Acetone	2.625	43	3892	4.194	ug/L	88
14) Carbon disulfide	2.782	76	6444	2.057	ug/L	100
15) Methyl Acetate	2.952	43	2407	2.103	ug/L #	70
16) Methylene chloride	3.039	84	2708	2.281	ug/L	90
17) trans-1,2-Dichloroethene	3.351	96	2313	2.161	ug/L	91
18) Methyl tert-butyl Ether	3.361	73	7744	2.147	ug/L	98
19) 1,1-Dichloroethane	3.866	63	4368	2.130	ug/L	89
20) cis-1,2-Dichloroethene	4.669	96	2864m	2.349	ug/L	
22) 2-Butanone	4.724	43	4326m	4.323	ug/L	
23) Bromochloromethane	4.972	128	1323	2.087	ug/L	94
25) Chloroform	5.081	83	5242	2.355	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120524\
 Data File : VU062093.D
 Acq On : 05 Dec 2024 11:44
 Operator : MD/SY
 Sample : P4776-02
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2024-08

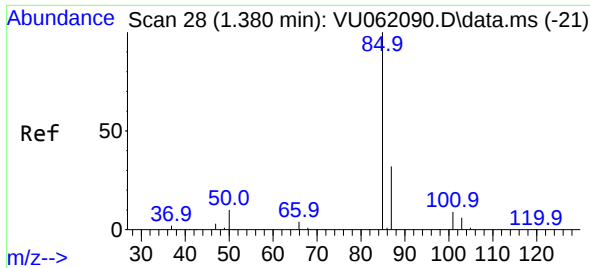
Quant Time: Dec 06 00:52:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 06 00:44:17 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/06/2024
 Supervised By :Semsettin Yesilyurt 12/06/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	4332m	2.437	ug/L	
29) Cyclohexane	5.377	56	3385	1.928	ug/L	89
30) 1,1,1-Trichloroethane	5.309	97	4048	2.036	ug/L	97
31) Carbon tetrachloride	5.518	117	3613	2.034	ug/L	98
33) Benzene	5.769	78	9995	2.186	ug/L	100
34) Trichloroethene	6.538	95	2660	2.130	ug/L	97
35) Methylcyclohexane	6.753	83	3939	2.081	ug/L	88
37) 1,2-Dichloropropane	6.788	63	2818	2.329	ug/L #	88
38) Bromodichloromethane	7.100	83	3458	2.121	ug/L #	97
39) cis-1,3-Dichloropropene	7.602	75	4495	2.300	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	6073	4.017	ug/L	98
42) Toluene	7.965	91	10602	2.169	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	5464	3.024	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	2656	2.212	ug/L	89
46) Tetrachloroethene	8.547	164	1960	2.066	ug/L	96
48) 2-Hexanone	8.682	43	8806m	6.910	ug/L	
49) Dibromochloromethane	8.798	129	2547	2.030	ug/L	92
50) 1,2-Dibromoethane	8.920	107	2842	2.178	ug/L #	94
51) Chlorobenzene	9.441	112	7144	2.313	ug/L	96
52) Ethylbenzene	9.566	91	10937	2.036	ug/L	96
53) m,p-Xylene	9.692	106	3624	1.825	ug/L	94
54) o-Xylene	10.097	106	3764	1.937	ug/L	96
55) Styrene	10.116	104	5757	1.761	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	4532	2.287	ug/L #	91
59) Bromoform	10.287	173	1835	1.983	ug/L #	96
60) 1,2,3-Trichloropropane	10.814	75	3634	2.423	ug/L #	90
61) Isopropylbenzene	10.480	105	9770	1.977	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	8294	1.971	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	7922	1.956	ug/L	95
64) 1,3-Dichlorobenzene	11.743	146	4771	2.089	ug/L	93
65) 1,4-Dichlorobenzene	11.833	146	4958	2.139	ug/L	90
67) 1,2-Dichlorobenzene	12.203	146	5278	2.340	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.994	75	812m	1.921	ug/L	
69) 1,3,5-Trichlorobenzene	13.219	180	2271	1.413	ug/L #	69
70) 1,2,4-trichlorobenzene	13.846	180	2404	1.752	ug/L #	73
71) Naphthalene	14.097	128	5155	1.386	ug/L #	76
72) 1,2,3-Trichlorobenzene	14.331	180	1886	1.424	ug/L	87

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



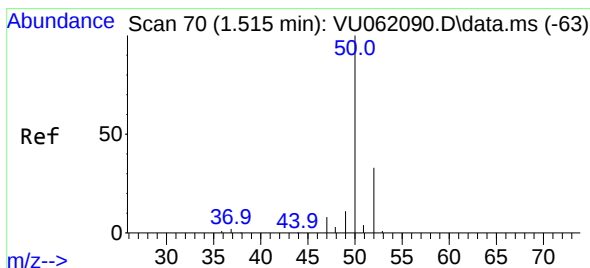
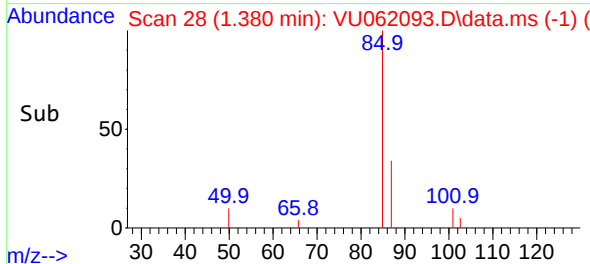
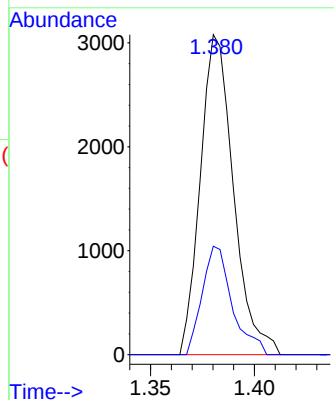
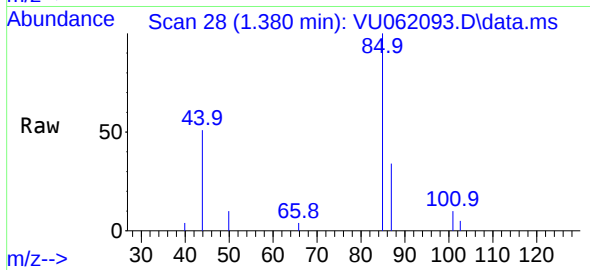
#2
Dichlorodifluoromethane
Concen: 2.170 ug/L
RT: 1.380 min Scan# 28
Delta R.T. -0.000 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion: 85 Resp: 3410
Ion Ratio Lower Upper
85 100
87 30.7 26.0 39.0

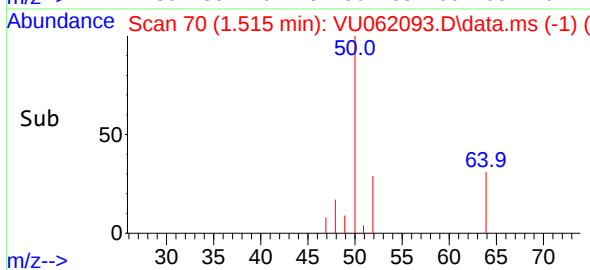
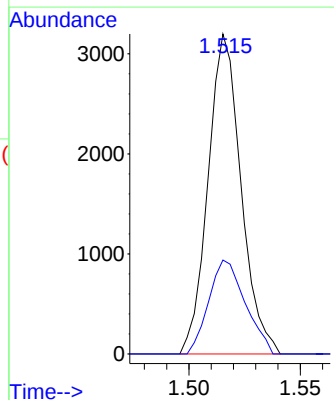
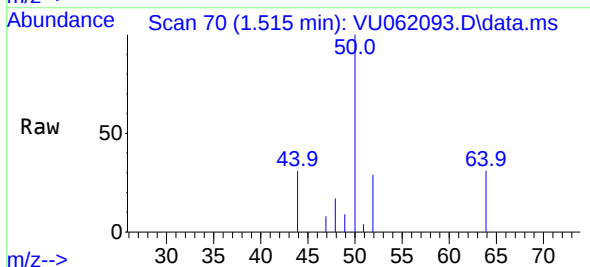
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024

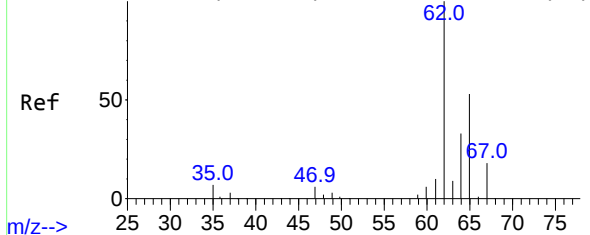


#3
Chloromethane
Concen: 2.542 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Tgt Ion: 50 Resp: 3291
Ion Ratio Lower Upper
50 100
52 29.4 23.3 43.3



Abundance Scan 97 (1.602 min): VU062090.D\data.ms (-88)



#5

Vinyl chloride

Concen: 2.134 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.003 min

Lab File: VU062093.D

Acq: 05 Dec 2024 11:44

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2024-08

Tgt Ion: 62 Resp: 2850

Ion Ratio Lower Upper

62 100

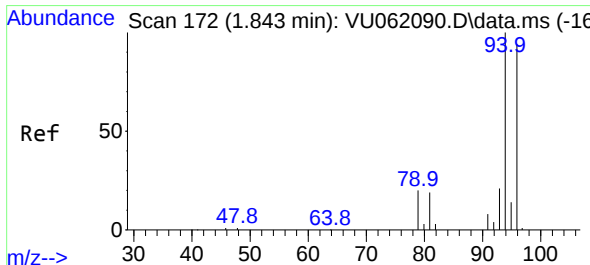
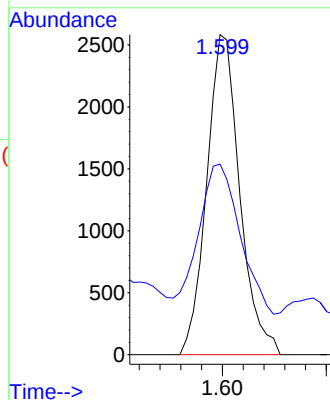
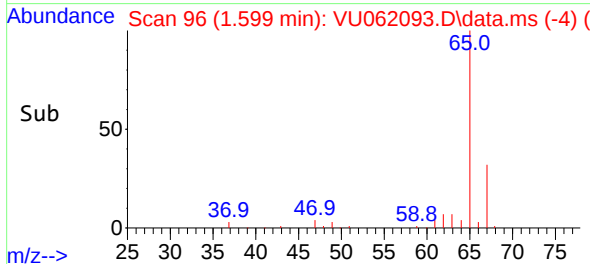
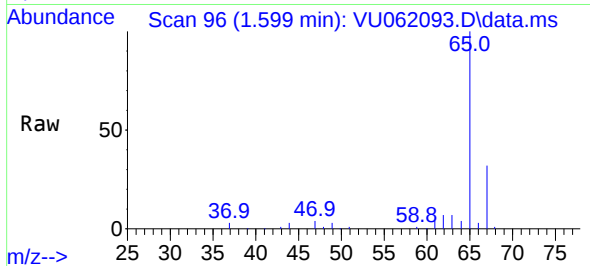
64 59.5 23.0 42.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/06/2024

Supervised By :Semsettin Yesilyurt 12/06/2024



#6

Bromomethane

Concen: 2.327 ug/L

RT: 1.843 min Scan# 172

Delta R.T. -0.000 min

Lab File: VU062093.D

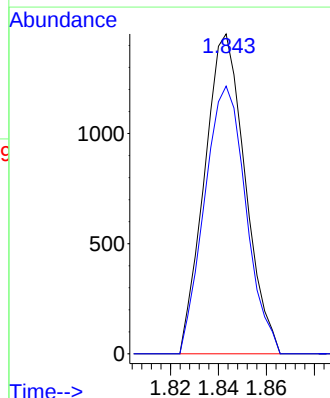
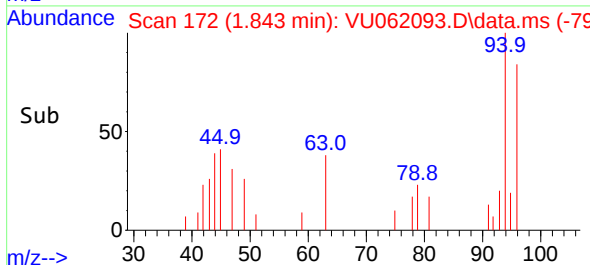
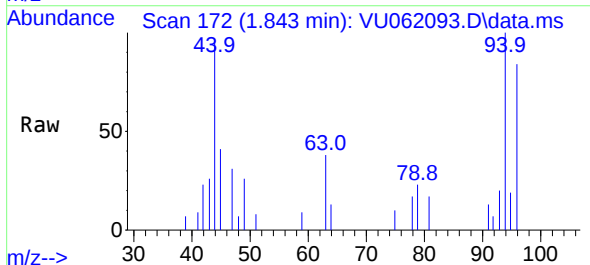
Acq: 05 Dec 2024 11:44

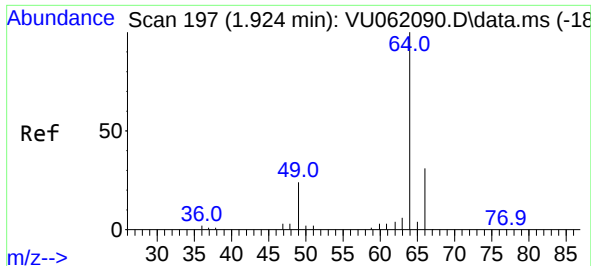
Tgt Ion: 94 Resp: 1707

Ion Ratio Lower Upper

94 100

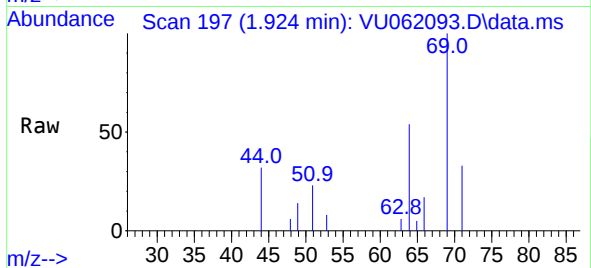
96 83.7 66.0 122.6





#8
Chloroethane
Concen: 3.001 ug/L m
RT: 1.924 min Scan# 197
Delta R.T. -0.000 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

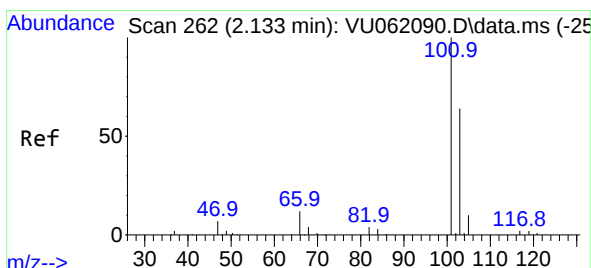
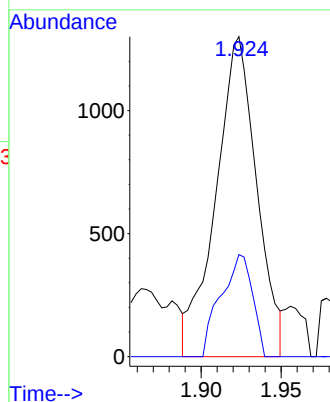
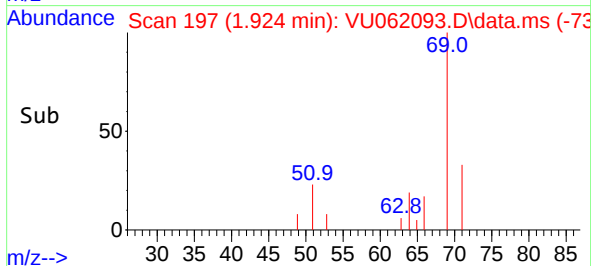
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08



Tgt Ion: 64 Resp: 2309
Ion Ratio Lower Upper
64 100
66 31.9 23.7 44.1

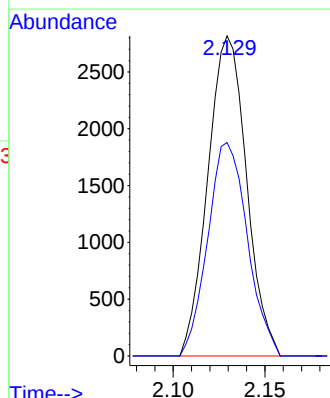
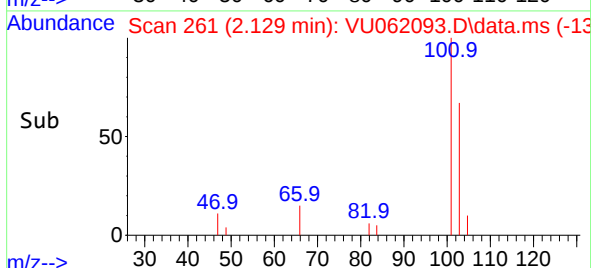
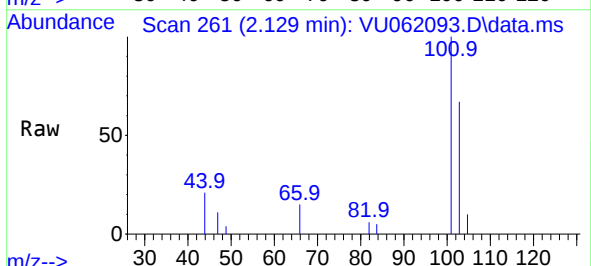
Manual Integrations
APPROVED

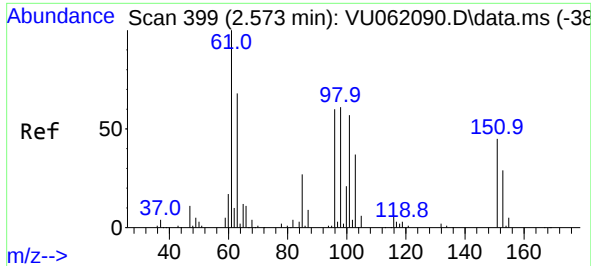
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#9
Trichlorofluoromethane
Concen: 2.021 ug/L
RT: 2.129 min Scan# 261
Delta R.T. -0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Tgt Ion:101 Resp: 4127
Ion Ratio Lower Upper
101 100
103 68.3 52.9 79.3





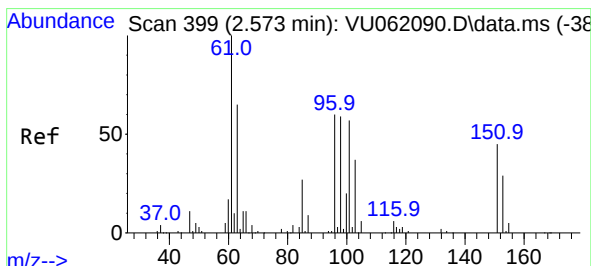
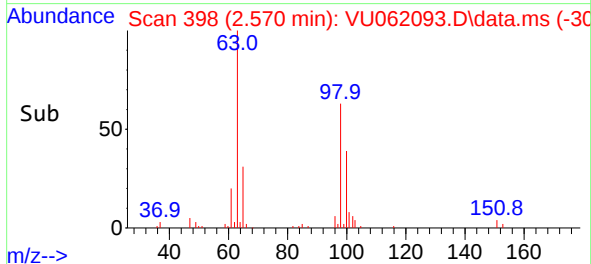
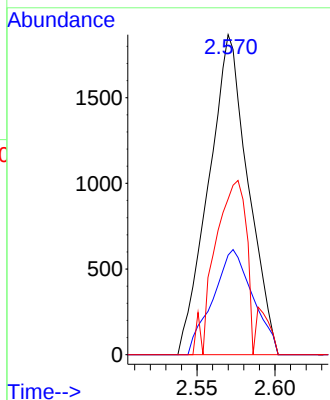
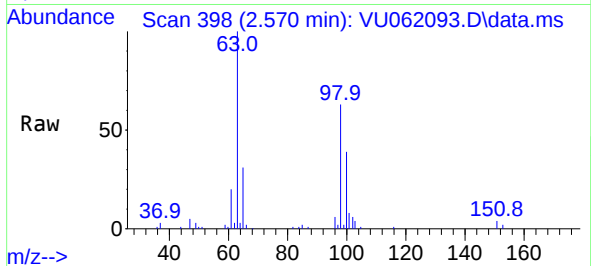
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.872 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion:101 Resp: 328
Ion Ratio Lower Upper
101 100
85 33.5 34.7 52.1
151 41.5 59.0 88.4

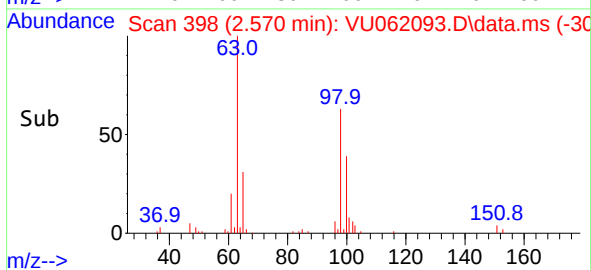
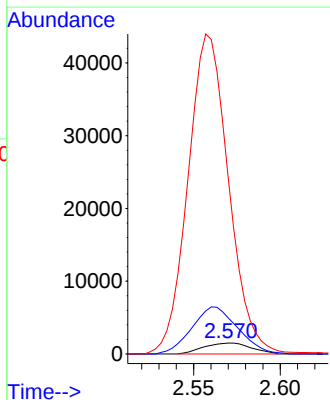
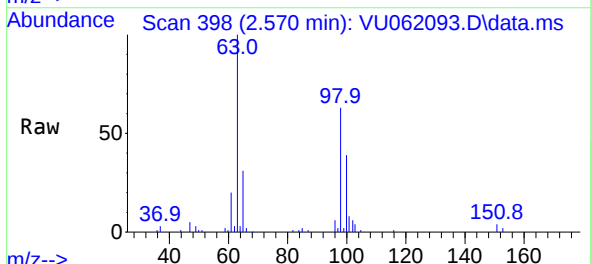
Manual Integrations
APPROVED

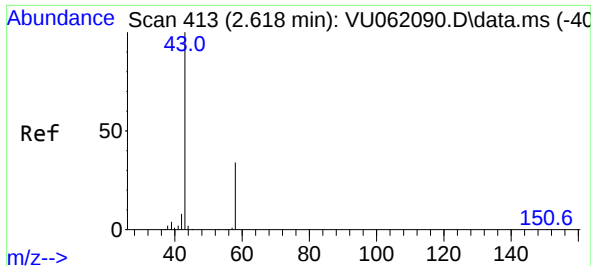
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#12
1,1-Dichloroethene
Concen: 2.744 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Tgt Ion: 96 Resp: 2857
Ion Ratio Lower Upper
96 100
61 330.8 115.2 214.0#
63 1620.2 89.3 165.9#





#13

Acetone

Concen: 4.194 ug/L

RT: 2.625 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU062093.D

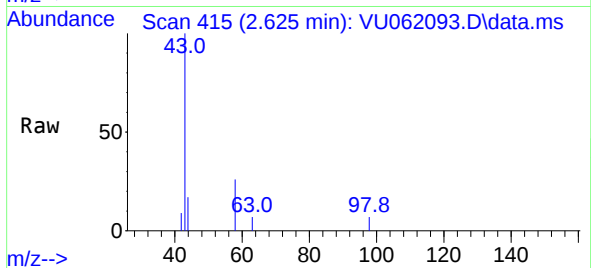
Acq: 05 Dec 2024 11:44

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2024-08



Tgt Ion: 43 Resp: 3892

Ion Ratio Lower Upper

43 100

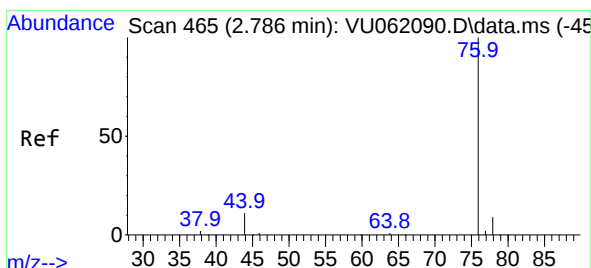
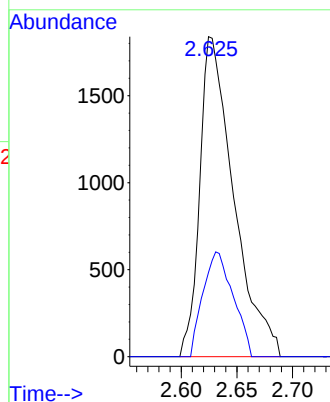
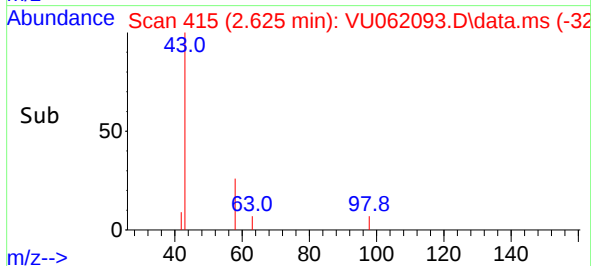
58 29.1 0.0 72.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/06/2024

Supervised By :Semsettin Yesilyurt 12/06/2024



#14

Carbon disulfide

Concen: 2.057 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.003 min

Lab File: VU062093.D

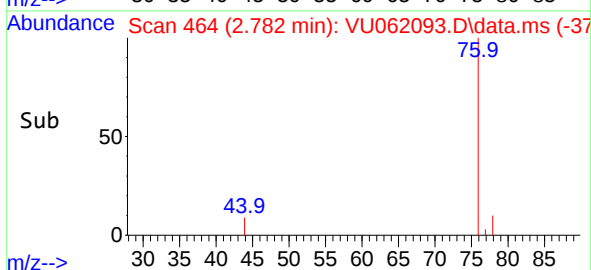
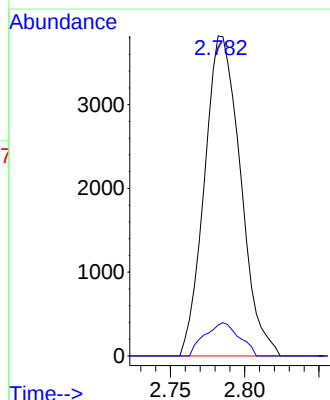
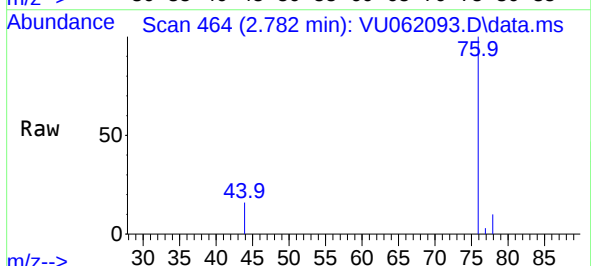
Acq: 05 Dec 2024 11:44

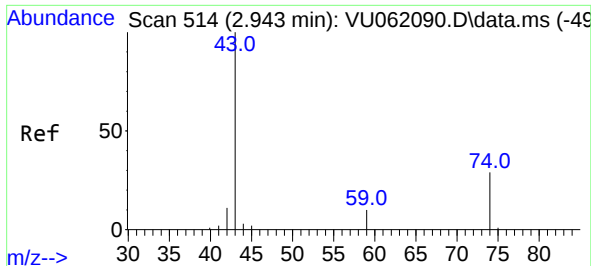
Tgt Ion: 76 Resp: 6444

Ion Ratio Lower Upper

76 100

78 9.7 7.8 11.6





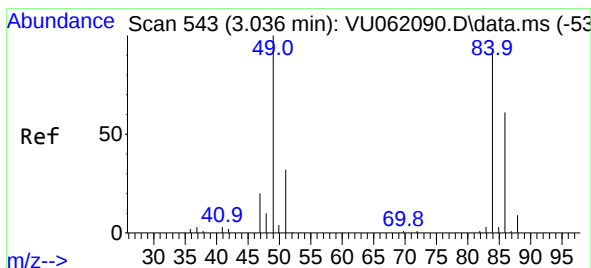
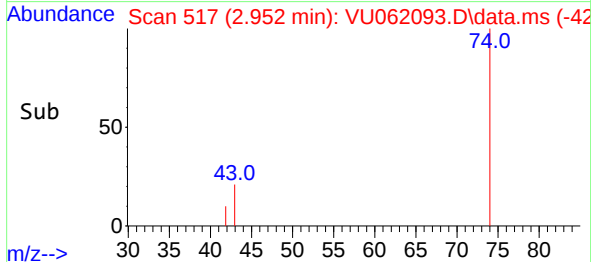
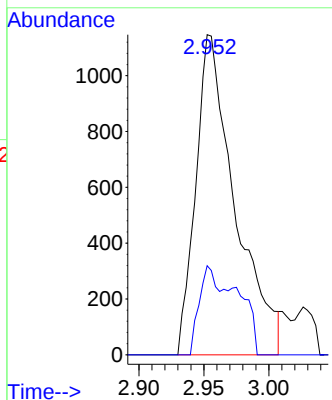
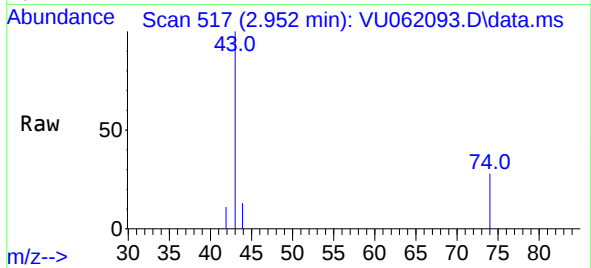
#15
Methyl Acetate
Concen: 2.103 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.009 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion: 43 Resp: 240
Ion Ratio Lower Upper
43 100
74 13.2 23.4 35.2

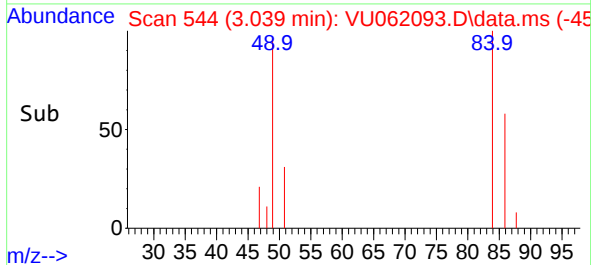
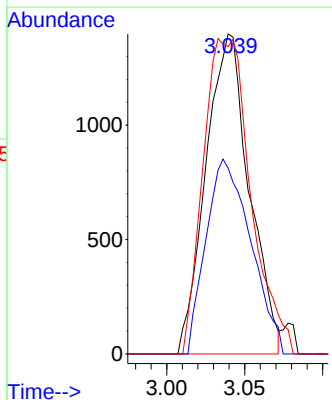
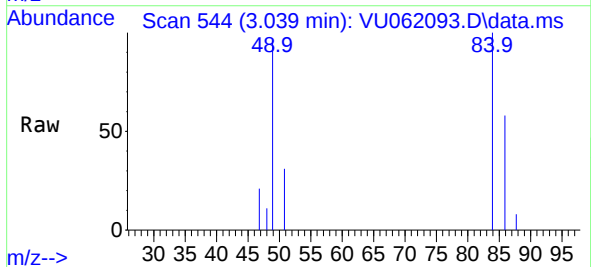
Manual Integrations
APPROVED

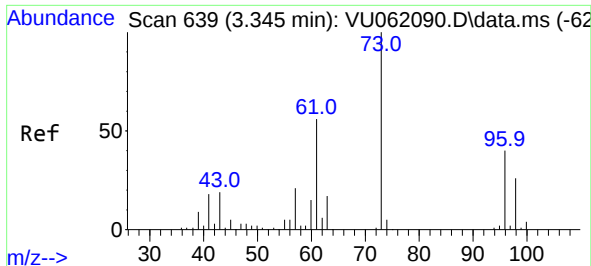
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#16
Methylene chloride
Concen: 2.281 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Tgt Ion: 84 Resp: 2708
Ion Ratio Lower Upper
84 100
86 58.1 44.4 82.4
49 96.1 75.9 141.1





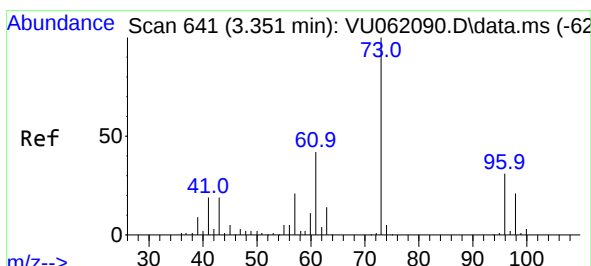
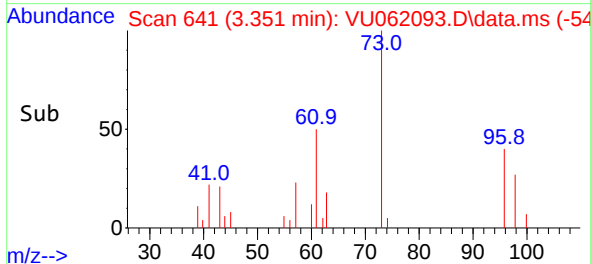
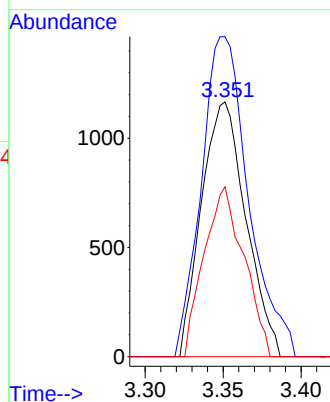
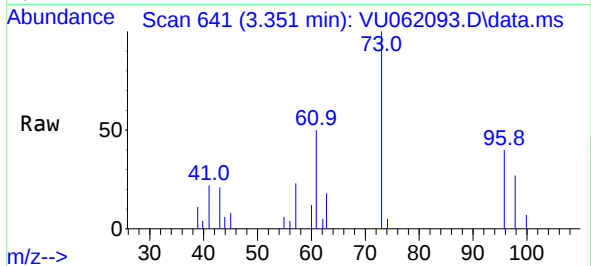
#17
trans-1,2-Dichloroethene
Concen: 2.161 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.006 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion: 96 Resp: 231
Ion Ratio Lower Upper
96 100
61 125.6 96.2 178.6
98 66.7 42.7 79.3

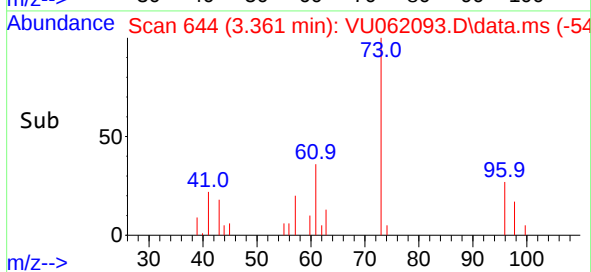
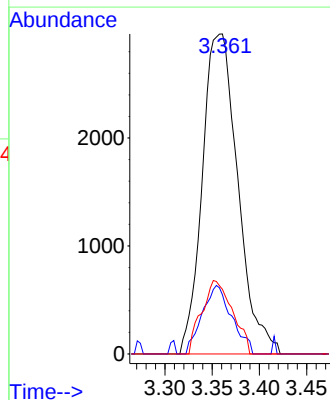
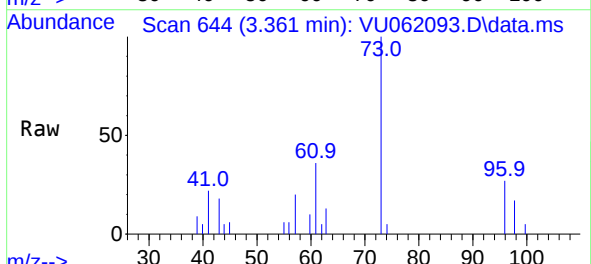
Manual Integrations
APPROVED

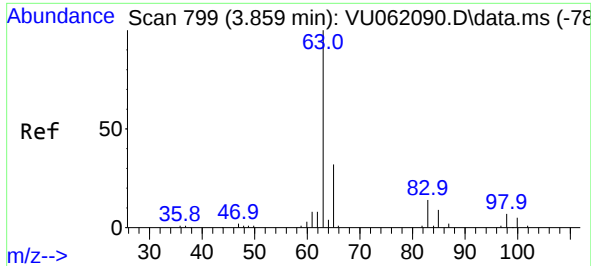
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#18
Methyl tert-butyl Ether
Concen: 2.147 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.009 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Tgt Ion: 73 Resp: 7744
Ion Ratio Lower Upper
73 100
43 17.2 14.7 22.1
57 19.8 16.4 24.6





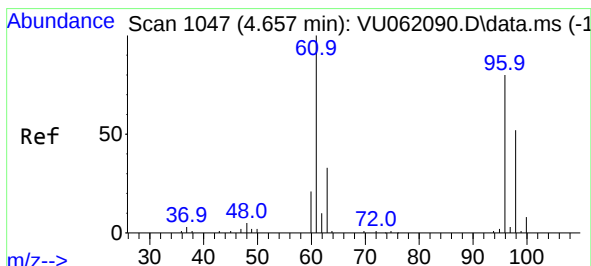
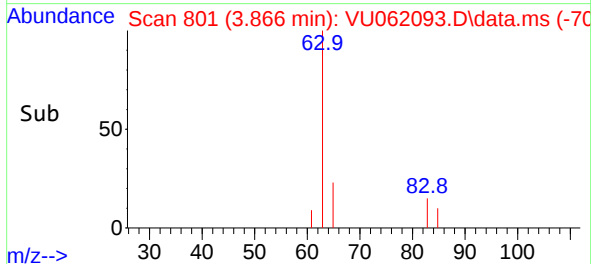
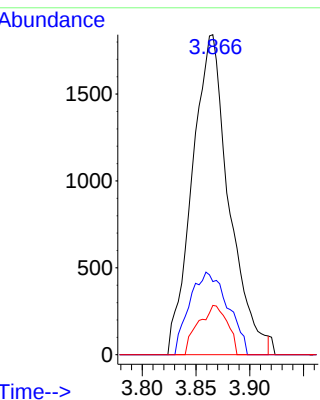
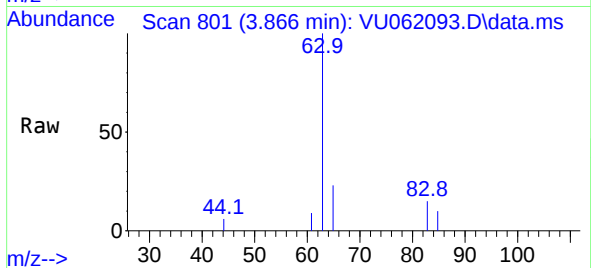
#19
1,1-Dichloroethane
Concen: 2.130 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.006 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion: 63 Resp: 4368
Ion Ratio Lower Upper
63 100
65 22.9 21.7 40.3
83 15.4 10.0 18.6

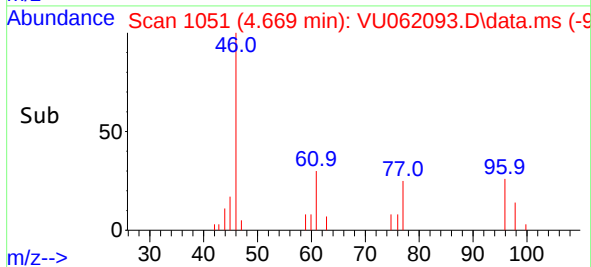
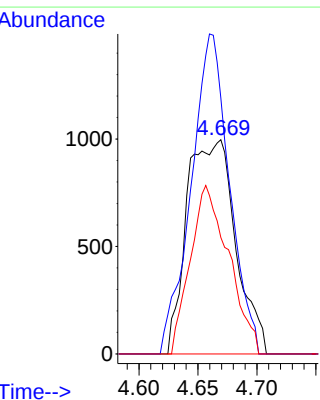
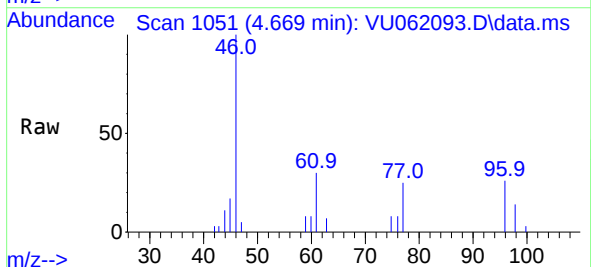
Manual Integrations
APPROVED

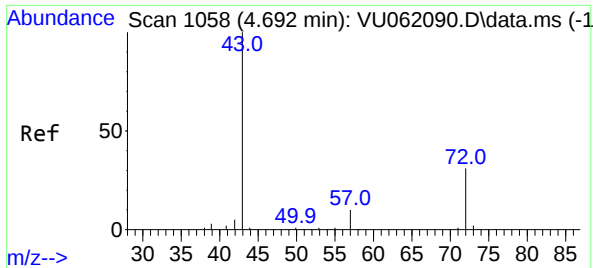
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#20
cis-1,2-Dichloroethene
Concen: 2.349 ug/L m
RT: 4.669 min Scan# 1051
Delta R.T. 0.013 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Tgt Ion: 96 Resp: 2864
Ion Ratio Lower Upper
96 100
61 119.5 90.1 167.3
98 54.4 45.3 84.1





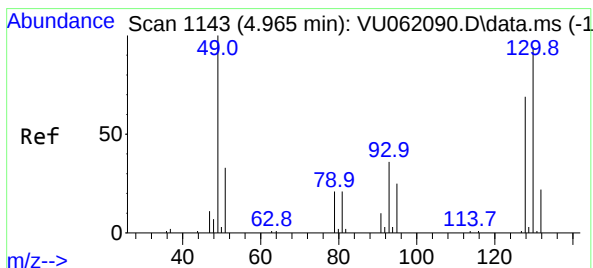
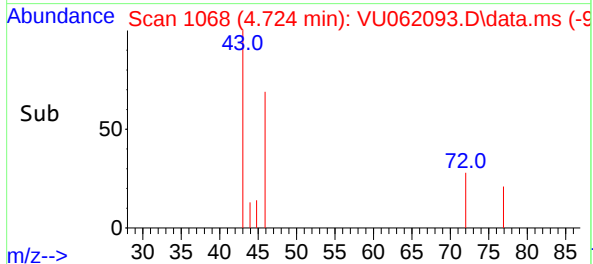
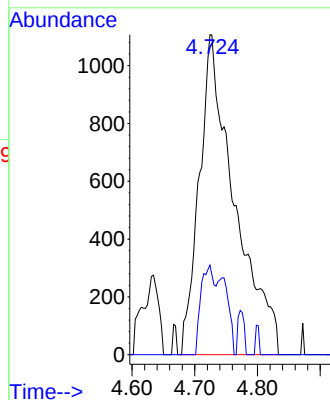
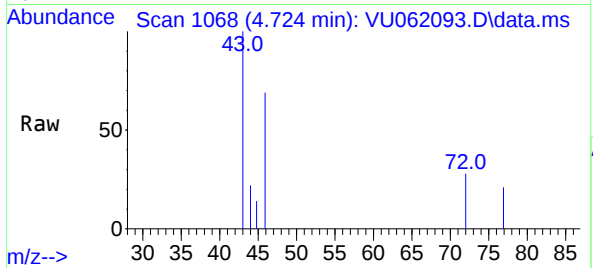
#22
2-Butanone
Concen: 4.323 ug/L m
RT: 4.724 min Scan# 1068
Delta R.T. 0.032 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion: 43 Resp: 4320
Ion Ratio Lower Upper
43 100
72 11.0 15.9 47.7

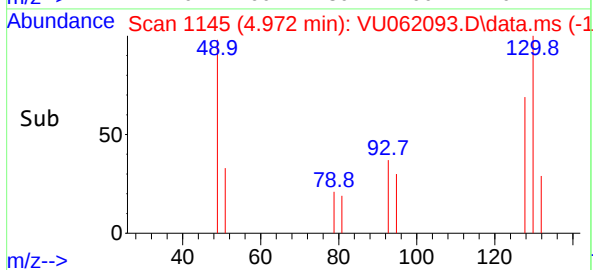
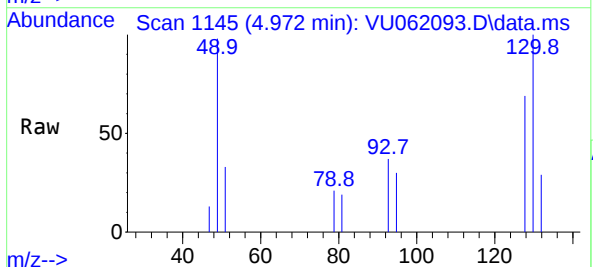
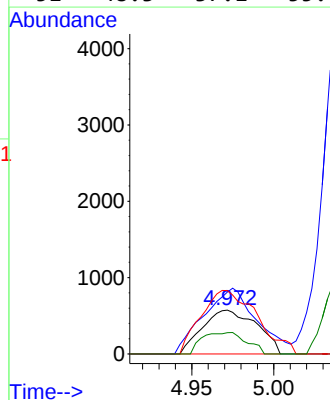
Manual Integrations
APPROVED

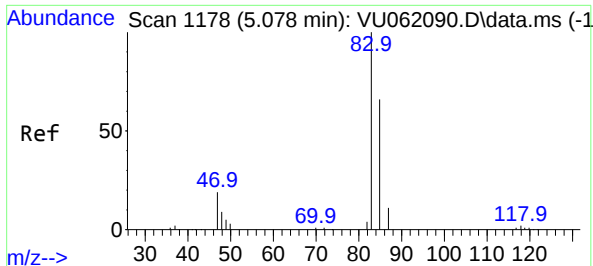
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#23
Bromochloromethane
Concen: 2.087 ug/L
RT: 4.972 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Tgt Ion:128 Resp: 1323
Ion Ratio Lower Upper
128 100
49 141.2 100.7 187.1
130 144.3 92.4 171.6
51 48.3 37.1 55.7





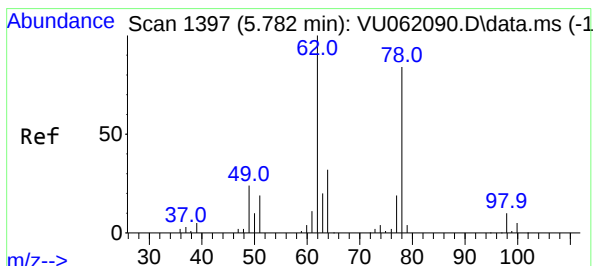
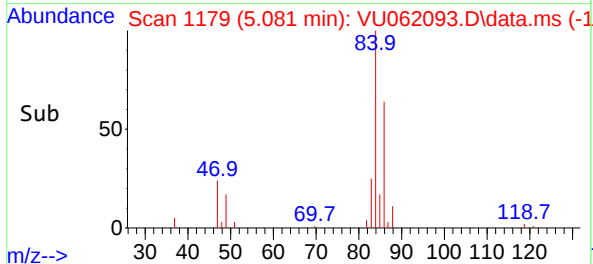
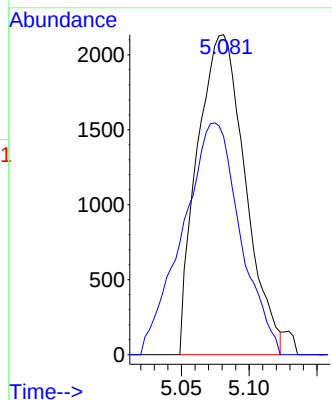
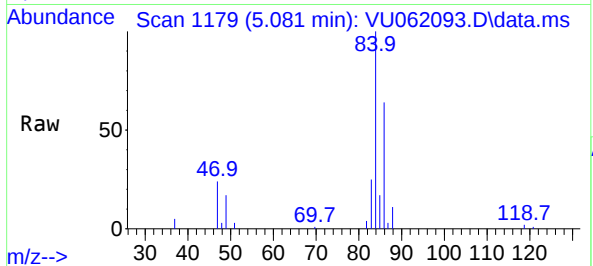
#25
Chloroform
Concen: 2.355 ug/L
RT: 5.081 min Scan# 1178
Delta R.T. 0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion: 83 Resp: 524
Ion Ratio Lower Upper
83 100
85 68.2 46.1 85.5

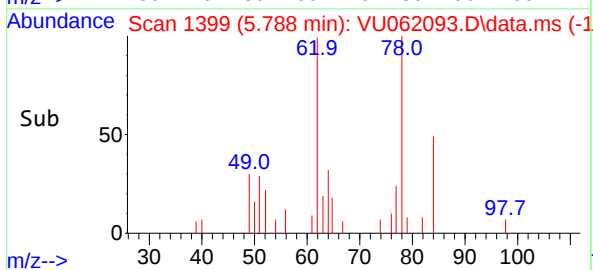
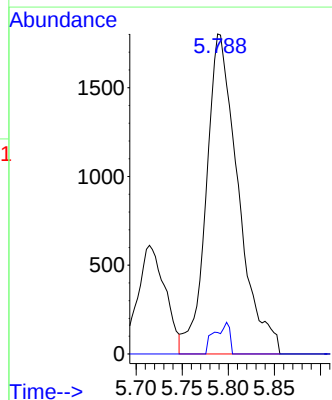
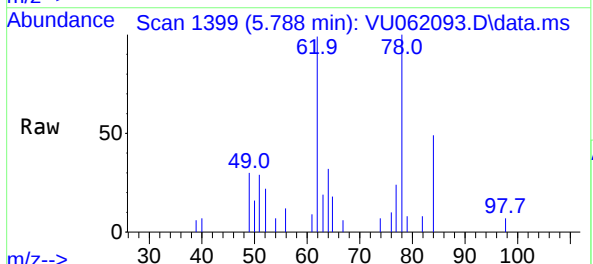
Manual Integrations
APPROVED

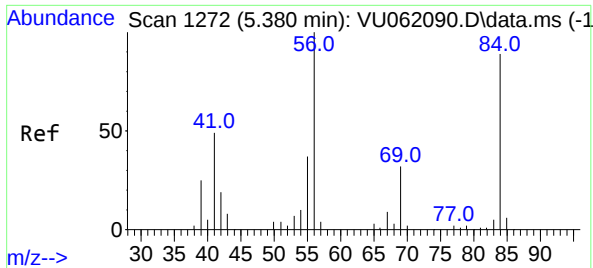
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#27
1,2-Dichloroethane
Concen: 2.437 ug/L m
RT: 5.788 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Tgt Ion: 62 Resp: 4332
Ion Ratio Lower Upper
62 100
98 6.7 7.4 11.0#





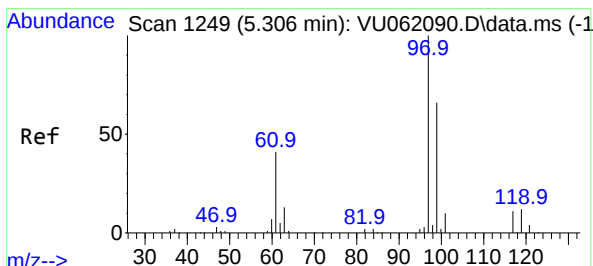
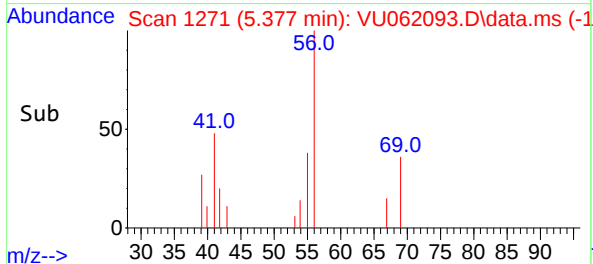
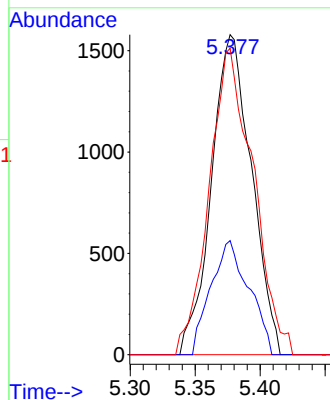
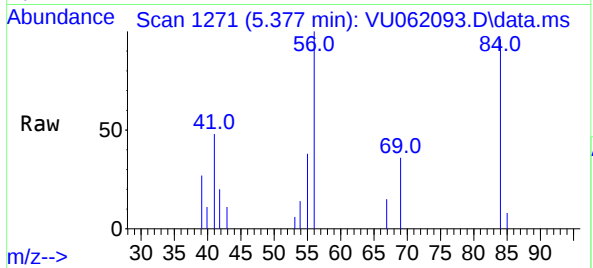
#29
Cyclohexane
Concen: 1.928 ug/L
RT: 5.377 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion: 56 Resp: 338
Ion Ratio Lower Upper
56 100
69 33.9 27.1 40.7
84 104.2 72.1 108.1

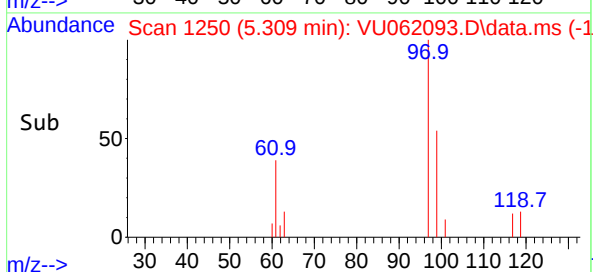
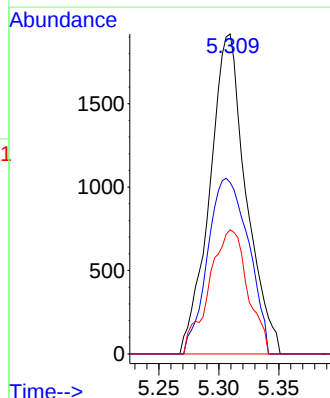
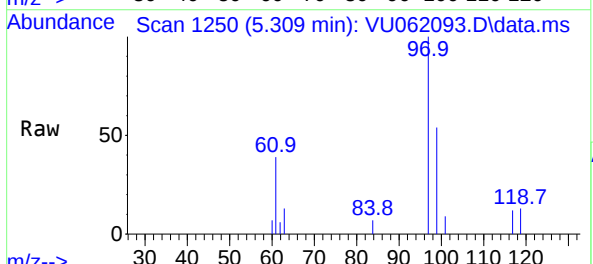
Manual Integrations
APPROVED

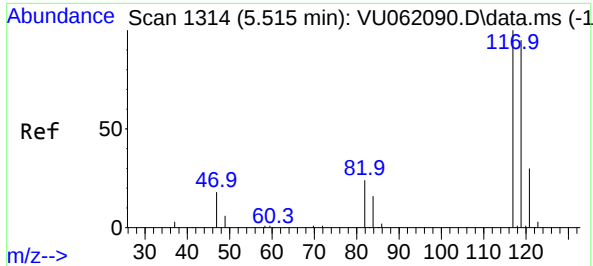
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#30
1,1,1-Trichloroethane
Concen: 2.036 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Tgt Ion: 97 Resp: 4048
Ion Ratio Lower Upper
97 100
99 61.7 52.0 78.0
61 41.1 32.6 48.8





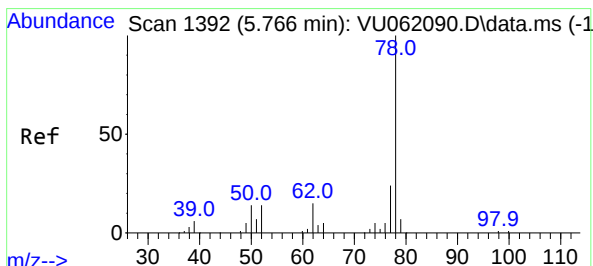
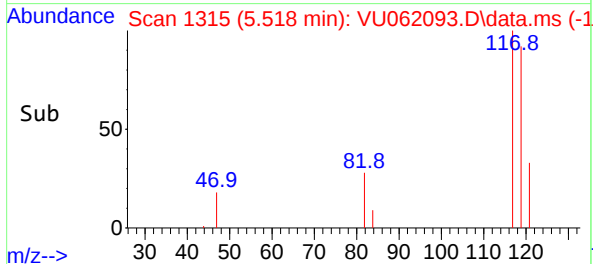
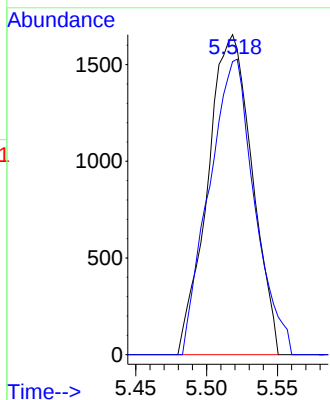
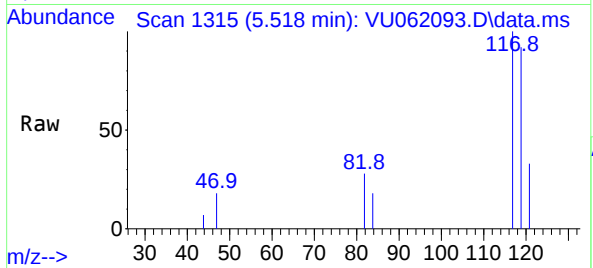
#31
Carbon tetrachloride
Concen: 2.034 ug/L
RT: 5.518 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion:117 Resp: 361
Ion Ratio Lower Upper
117 100
119 94.3 77.0 115.6

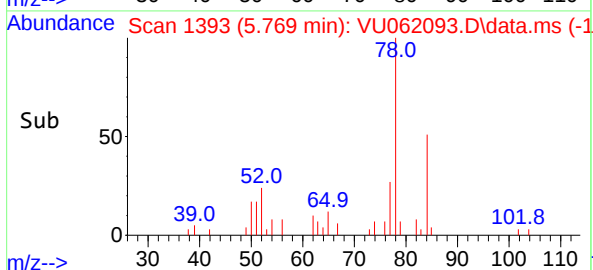
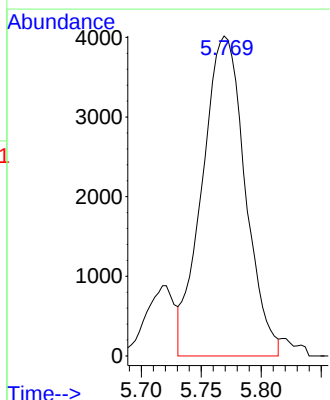
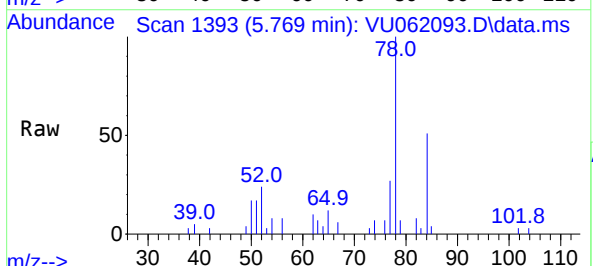
Manual Integrations
APPROVED

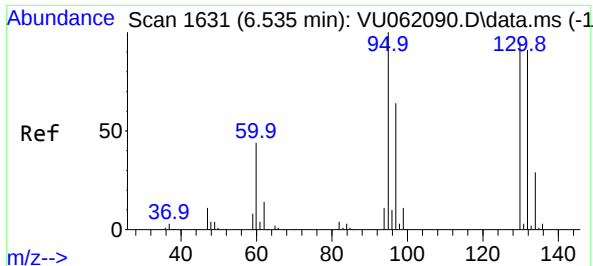
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#33
Benzene
Concen: 2.186 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Tgt Ion: 78 Resp: 9995





#34

Trichloroethene

Concen: 2.130 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU062093.D

Acq: 05 Dec 2024 11:44

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2024-08

Tgt Ion: 95 Resp: 2660

Ion Ratio Lower Upper

95 100

97 65.5 44.6 82.8

132 93.4 67.3 124.9

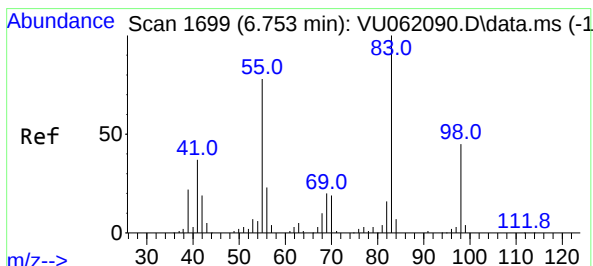
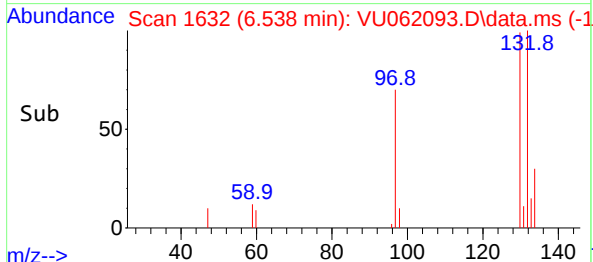
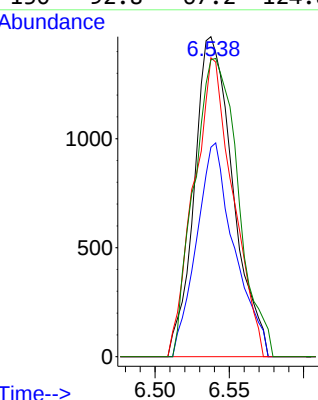
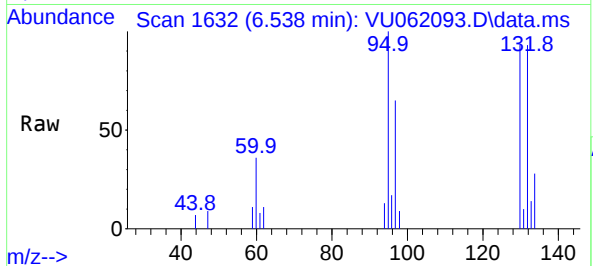
130 92.8 67.2 124.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/06/2024

Supervised By :Semsettin Yesilyurt 12/06/2024



#35

Methylcyclohexane

Concen: 2.081 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.000 min

Lab File: VU062093.D

Acq: 05 Dec 2024 11:44

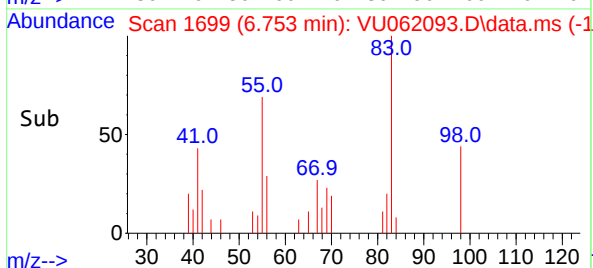
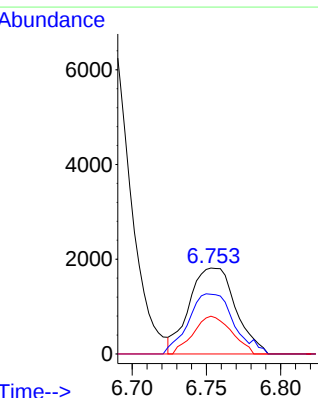
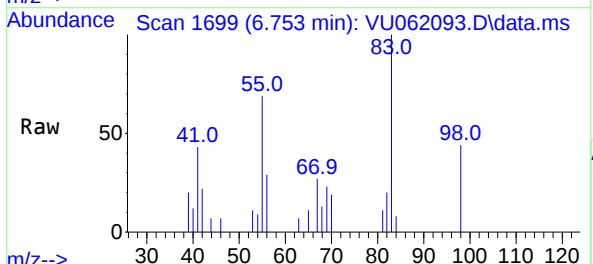
Tgt Ion: 83 Resp: 3939

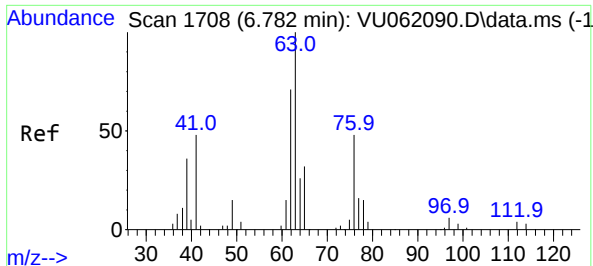
Ion Ratio Lower Upper

83 100

55 65.5 60.1 90.1

98 36.3 35.8 53.8





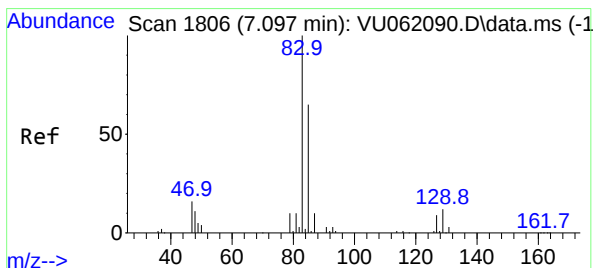
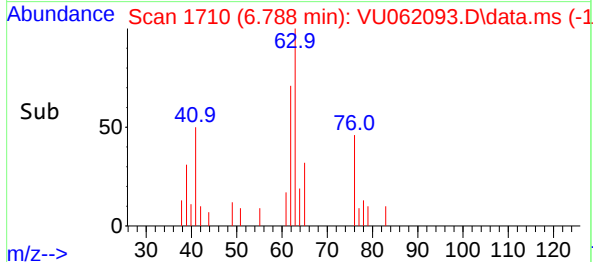
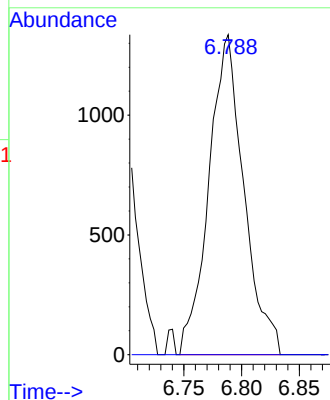
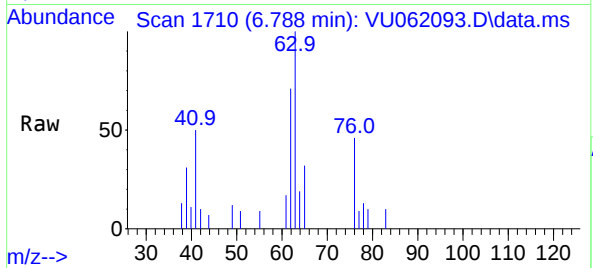
#37
1,2-Dichloropropane
Concen: 2.329 ug/L
RT: 6.788 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion: 63 Resp: 2818
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7

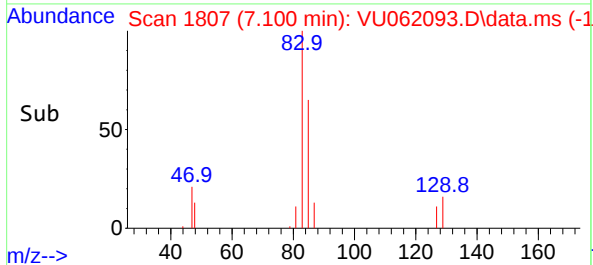
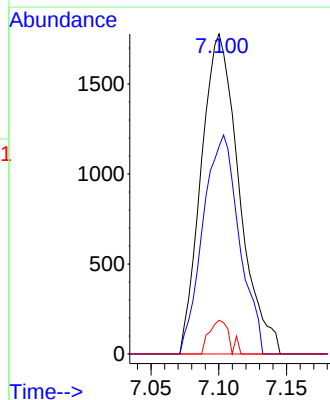
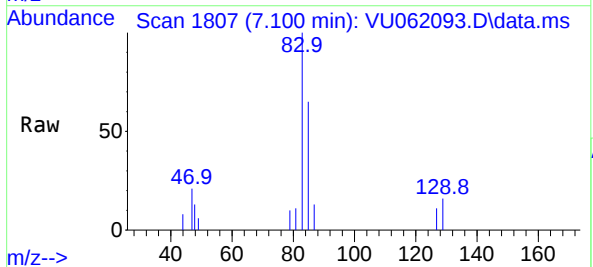
Manual Integrations
APPROVED

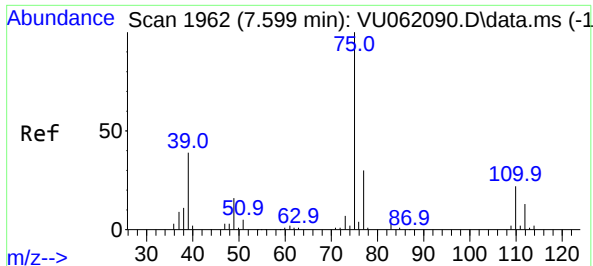
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#38
Bromodichloromethane
Concen: 2.121 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Tgt Ion: 83 Resp: 3458
Ion Ratio Lower Upper
83 100
85 64.8 46.8 87.0
127 10.6 6.8 10.2





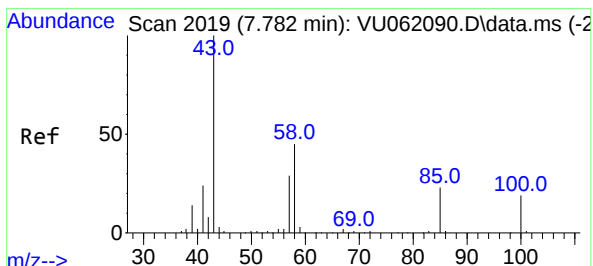
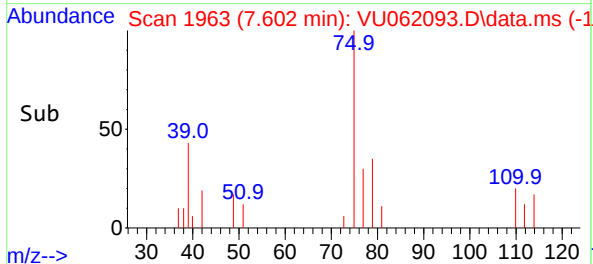
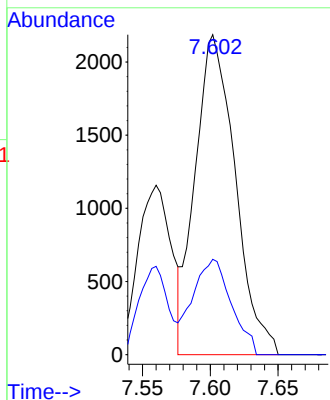
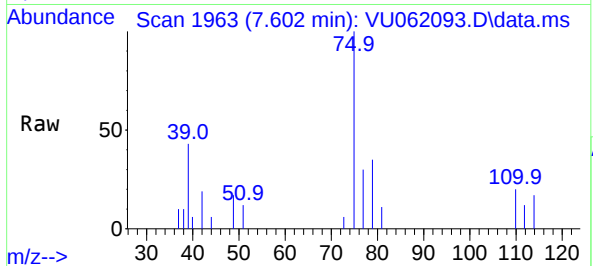
#39
cis-1,3-Dichloropropene
Concen: 2.300 ug/L
RT: 7.602 min Scan# 1962
Delta R.T. 0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion: 75 Resp: 4498
Ion Ratio Lower Upper
75 100
77 29.8 21.6 40.2

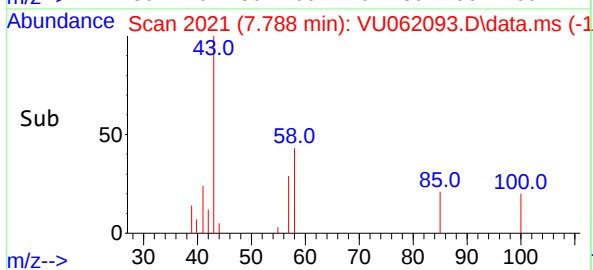
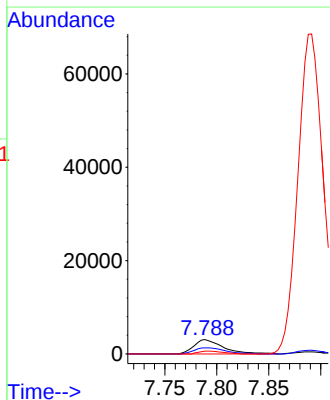
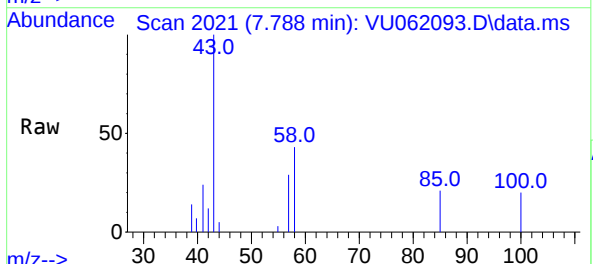
Manual Integrations
APPROVED

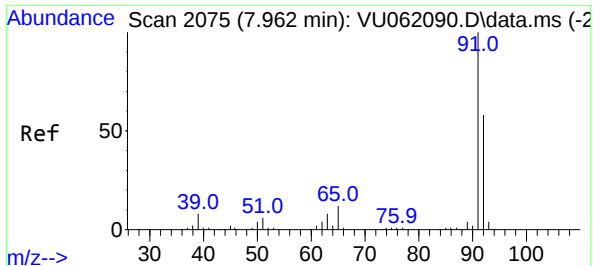
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#40
4-Methyl-2-pentanone
Concen: 4.017 ug/L
RT: 7.788 min Scan# 2021
Delta R.T. 0.006 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Tgt Ion: 43 Resp: 6073
Ion Ratio Lower Upper
43 100
58 45.4 35.7 53.5
100 16.6 14.6 21.8





#42

Toluene

Concen: 2.169 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU062093.D

Acq: 05 Dec 2024 11:44

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2024-08

Tgt Ion: 91 Resp: 1060

Ion Ratio Lower Upper

91 100

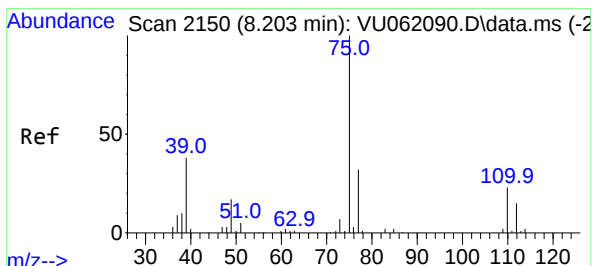
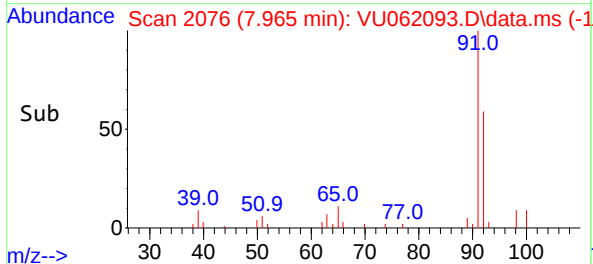
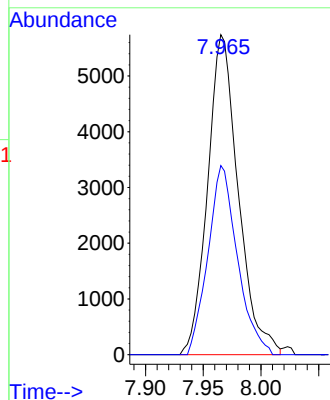
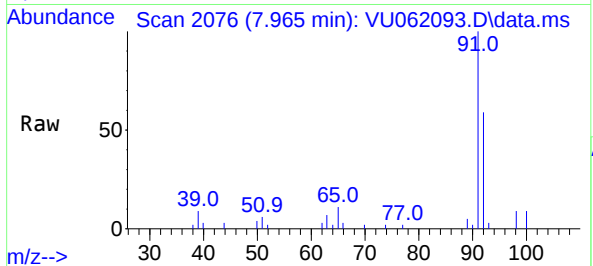
92 59.1 40.5 75.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/06/2024

Supervised By :Semsettin Yesilyurt 12/06/2024



#44

trans-1,3-Dichloropropene

Concen: 3.024 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU062093.D

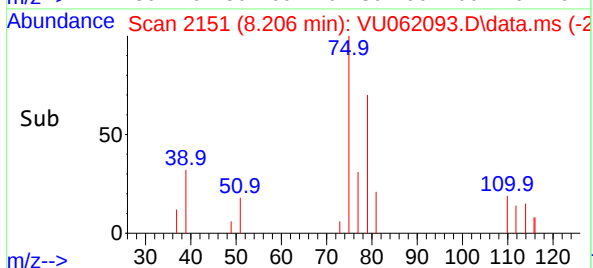
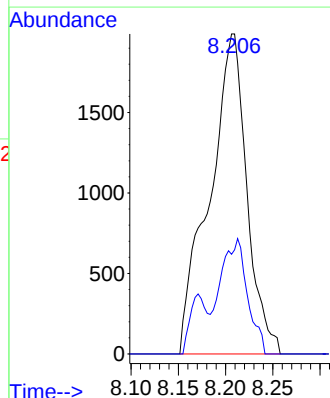
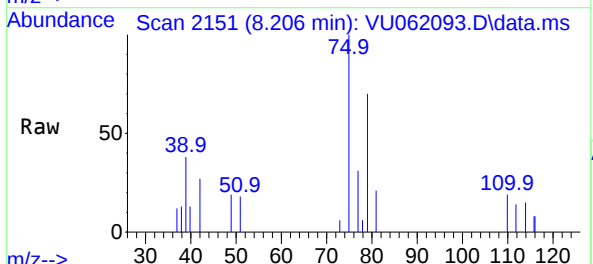
Acq: 05 Dec 2024 11:44

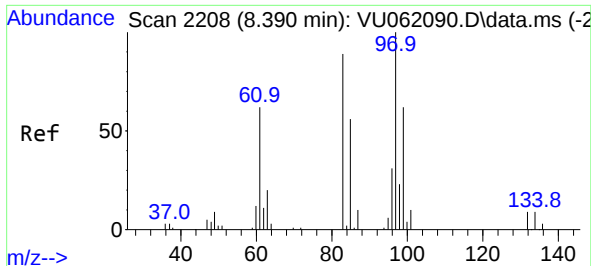
Tgt Ion: 75 Resp: 5464

Ion Ratio Lower Upper

75 100

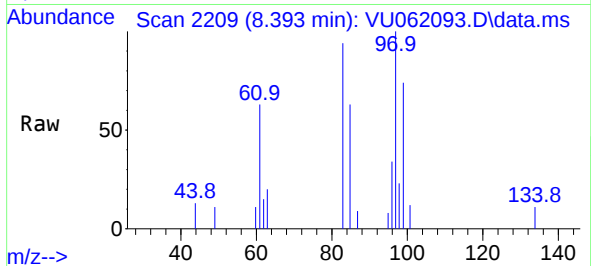
77 31.1 22.4 41.6





#45
1,1,2-Trichloroethane
Concen: 2.212 ug/L
RT: 8.393 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08

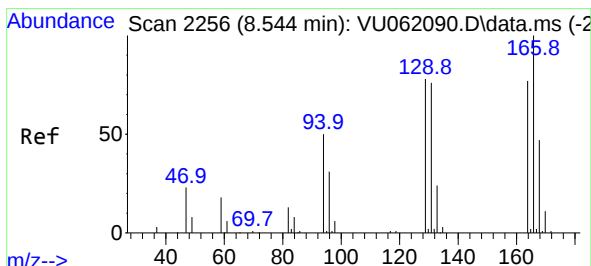
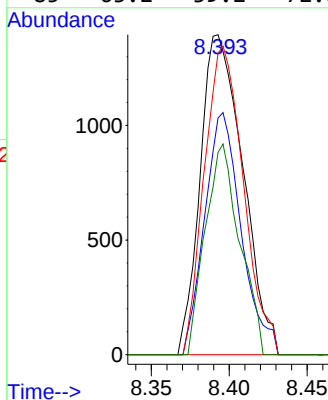
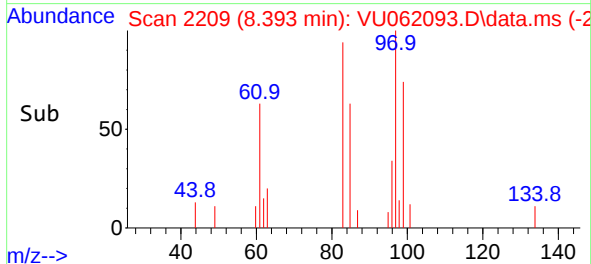


Tgt Ion: 97 Resp: 2650

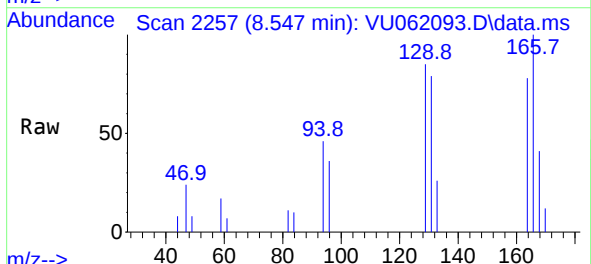
Ion	Ratio	Lower	Upper
97	100		
99	73.9	43.5	80.7
83	94.2	60.8	113.0
85	63.2	39.2	72.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024

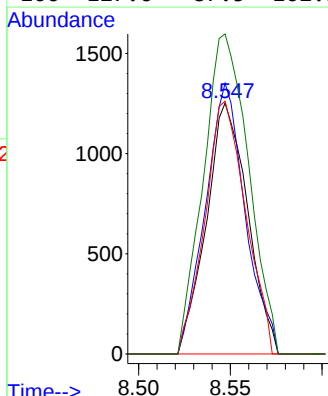
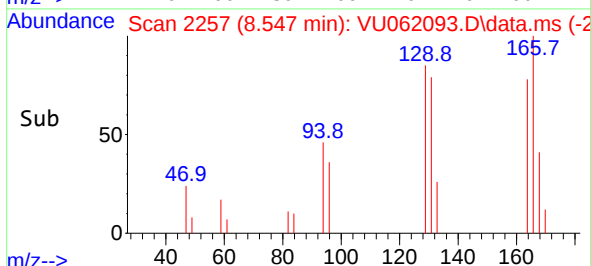


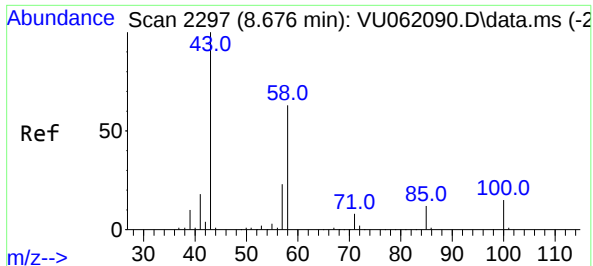
#46
Tetrachloroethene
Concen: 2.066 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44



Tgt Ion:164 Resp: 1960

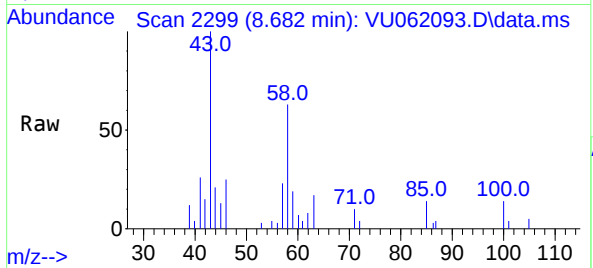
Ion	Ratio	Lower	Upper
164	100		
129	107.9	70.4	130.8
131	100.8	67.8	125.8
166	127.6	87.5	162.5





#48
2-Hexanone
Concen: 6.910 ug/L m
RT: 8.682 min Scan# 2297
Delta R.T. 0.006 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

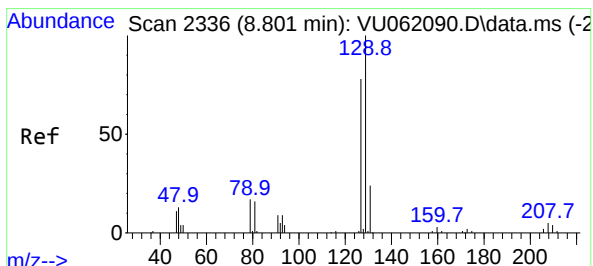
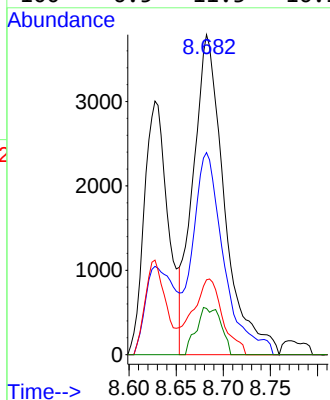
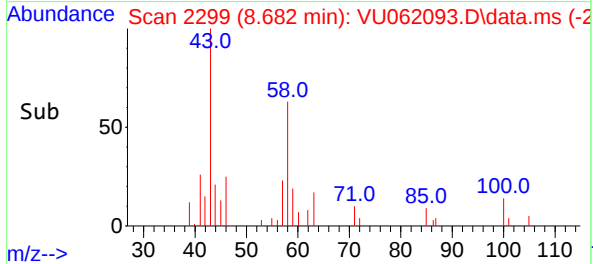
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08



Tgt Ion: 43 Resp: 8800
Ion Ratio Lower Upper
43 100
58 53.5 51.7 77.5
57 22.5 18.5 27.7
100 6.5 11.3 16.9#

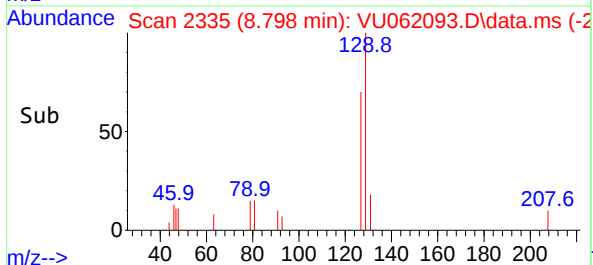
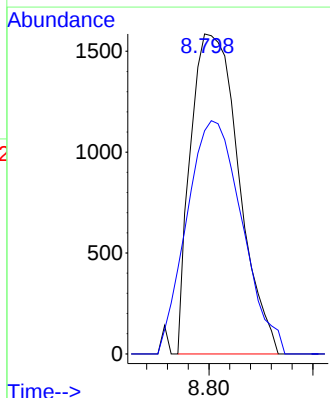
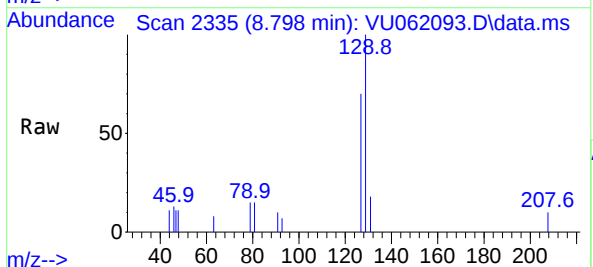
Manual Integrations
APPROVED

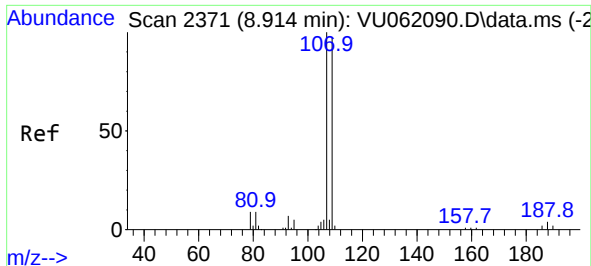
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#49
Dibromochloromethane
Concen: 2.030 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

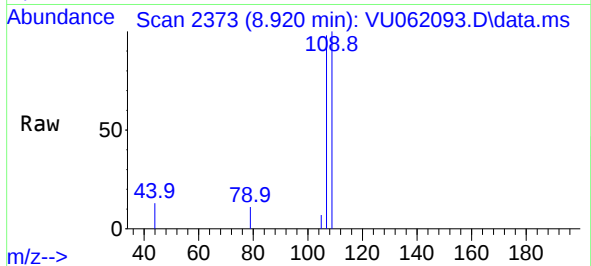
Tgt Ion:129 Resp: 2547
Ion Ratio Lower Upper
129 100
127 69.7 53.3 99.1





#50
1,2-Dibromoethane
Concen: 2.178 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

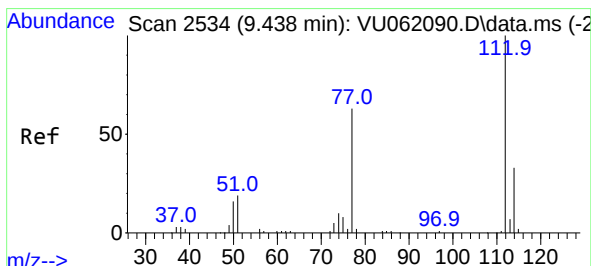
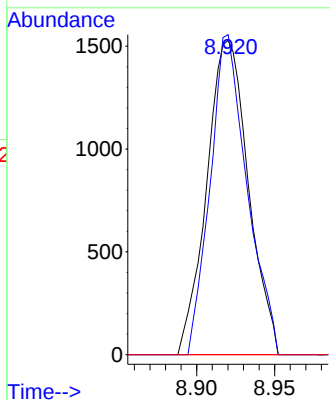
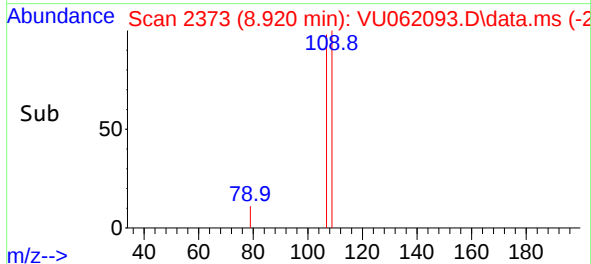
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08



Tgt Ion:107 Resp: 284
Ion Ratio Lower Upper
107 100
109 101.8 67.1 124.7
188 0.0 2.6 4.0

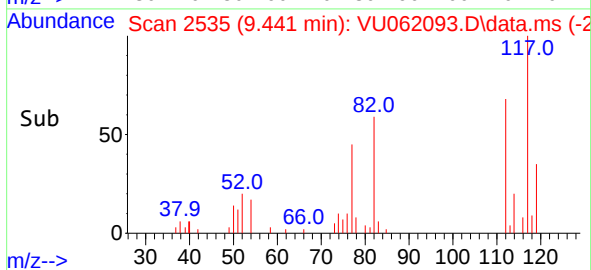
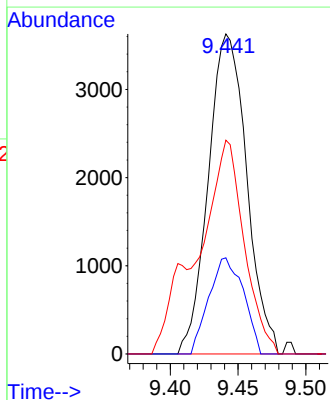
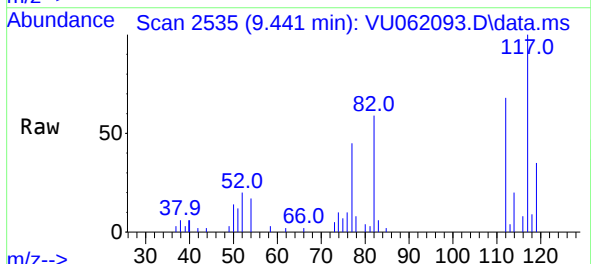
Manual Integrations
APPROVED

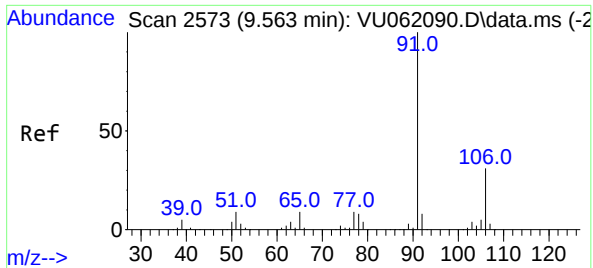
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#51
Chlorobenzene
Concen: 2.313 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Tgt Ion:112 Resp: 7144
Ion Ratio Lower Upper
112 100
114 30.1 22.0 41.0
77 66.8 50.8 76.2





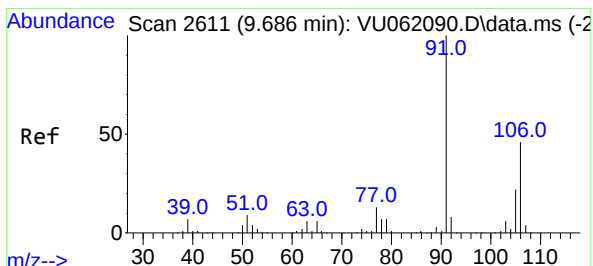
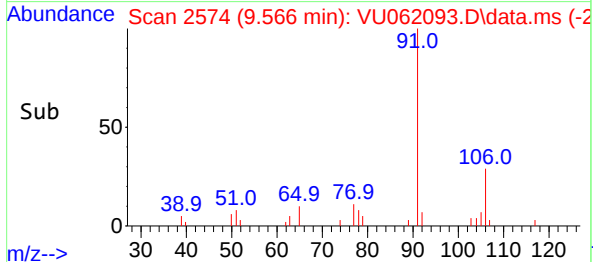
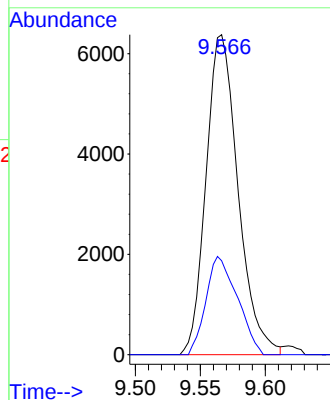
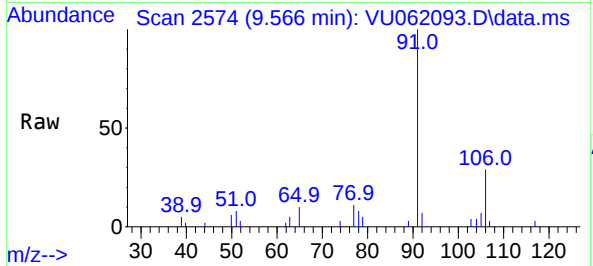
#52
Ethylbenzene
Concen: 2.036 ug/L
RT: 9.566 min Scan# 21093
Delta R.T. 0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion: 91 Resp: 1093
Ion Ratio Lower Upper
91 100
106 32.0 20.8 38.6

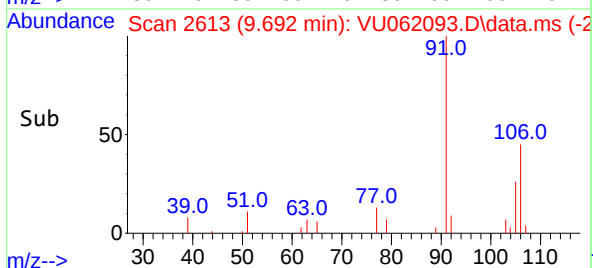
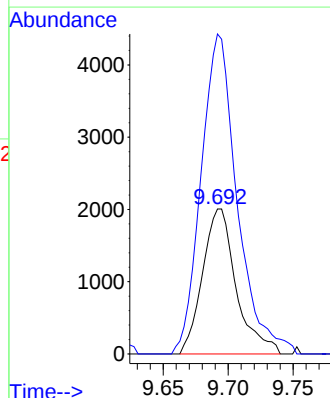
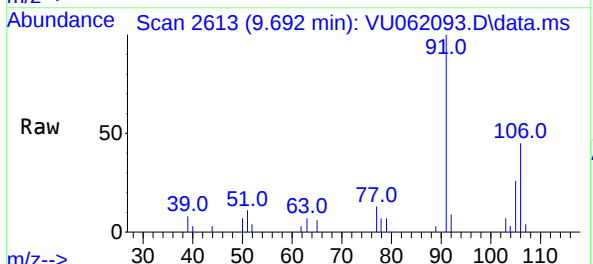
Manual Integrations
APPROVED

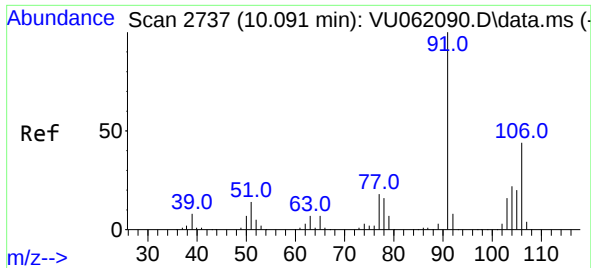
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#53
m,p-Xylene
Concen: 1.825 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.006 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Tgt Ion:106 Resp: 3624
Ion Ratio Lower Upper
106 100
91 220.7 147.9 274.7





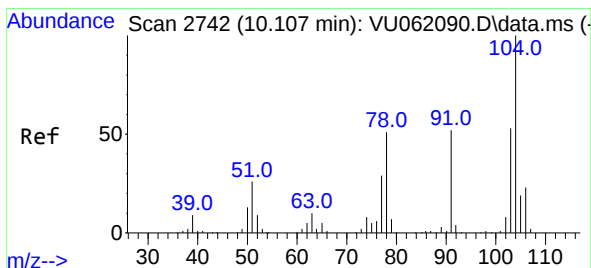
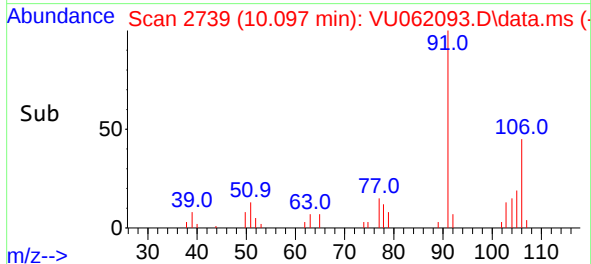
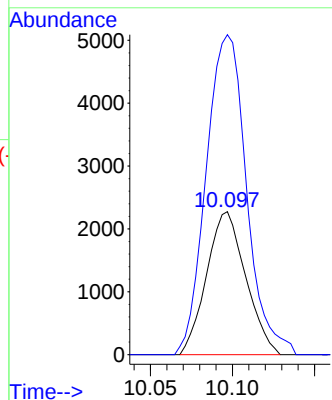
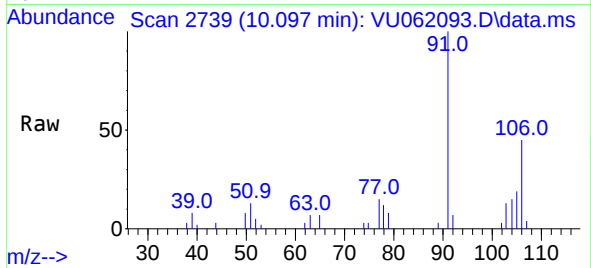
#54
o-Xylene
Concen: 1.937 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion:106 Resp: 3764
Ion Ratio Lower Upper
106 100
91 223.7 161.0 299.0

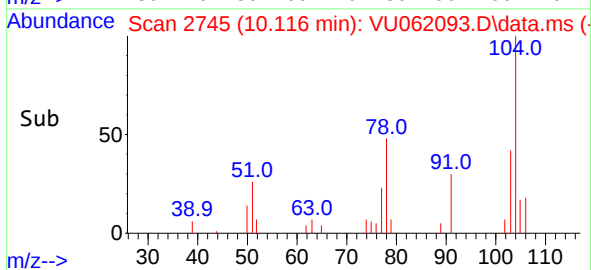
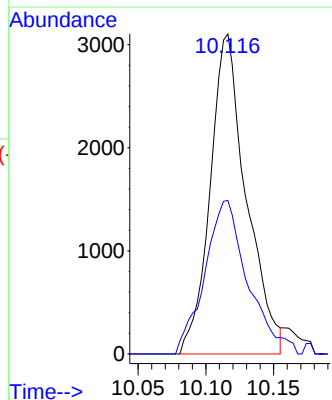
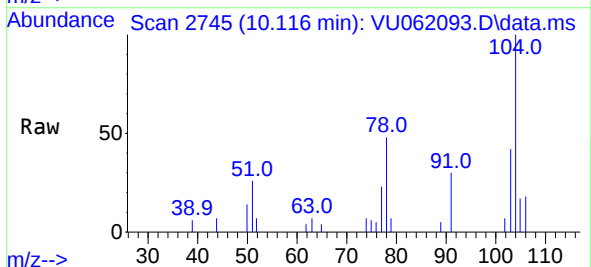
Manual Integrations
APPROVED

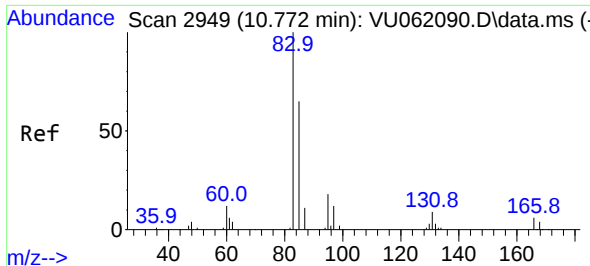
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#55
Styrene
Concen: 1.761 ug/L
RT: 10.116 min Scan# 2745
Delta R.T. 0.009 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

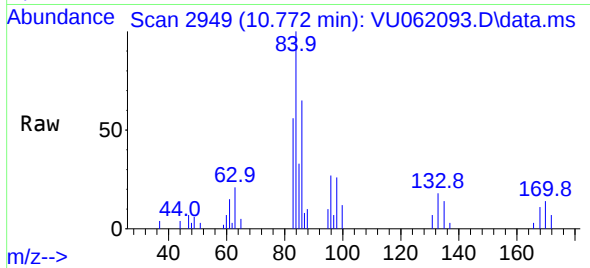
Tgt Ion:104 Resp: 5757
Ion Ratio Lower Upper
104 100
78 48.0 34.5 64.1





#57
1,1,2,2-Tetrachloroethane
Concen: 2.287 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

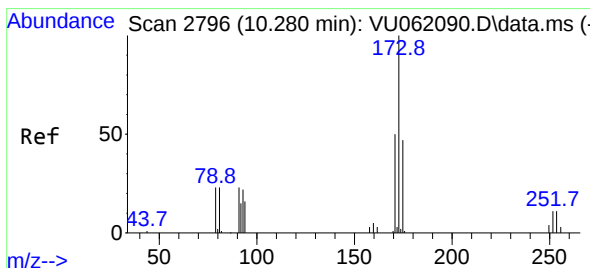
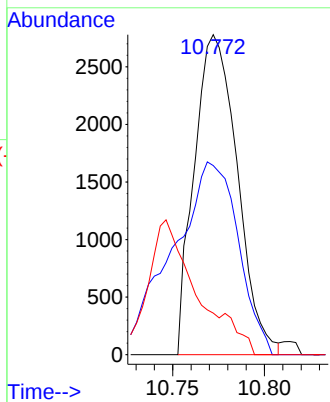
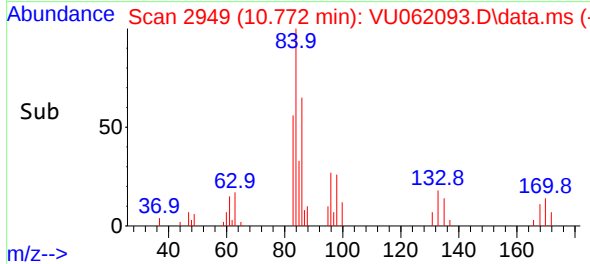
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2024-08



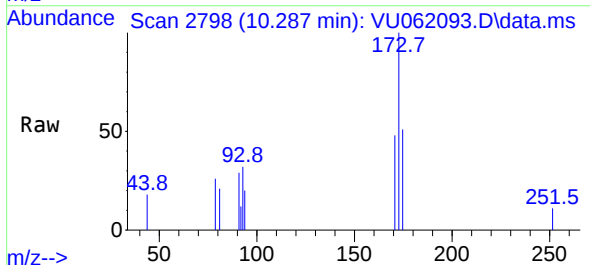
Tgt Ion: 83 Resp: 4532
Ion Ratio Lower Upper
83 100
85 59.1 46.5 86.3
131 13.0 8.4 12.6

Manual Integrations
APPROVED

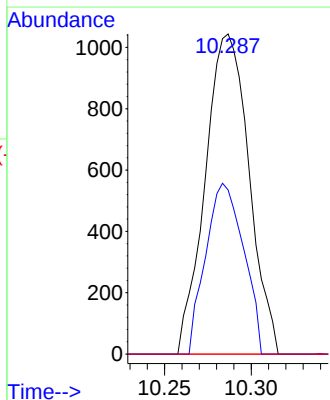
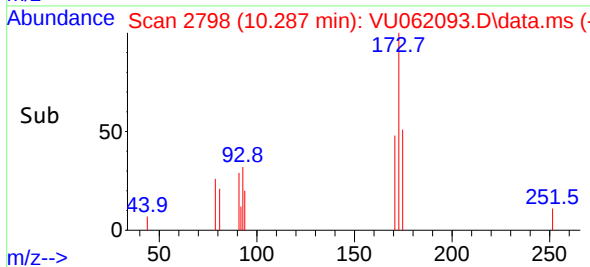
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024

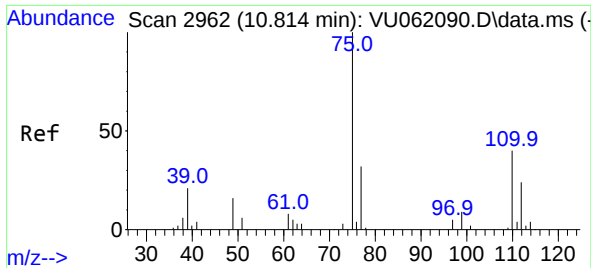


#59
Bromoform
Concen: 1.983 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.006 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44



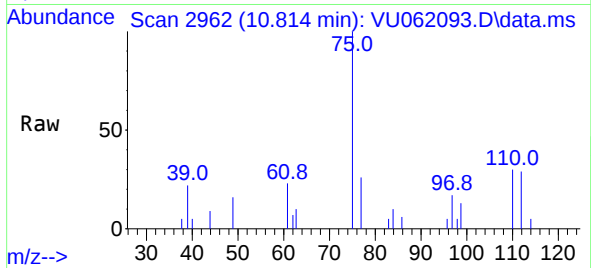
Tgt Ion:173 Resp: 1835
Ion Ratio Lower Upper
173 100
175 46.1 39.2 58.8
254 0.0 1.7 2.5





#60
1,2,3-Trichloropropane
Concen: 2.423 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. -0.000 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

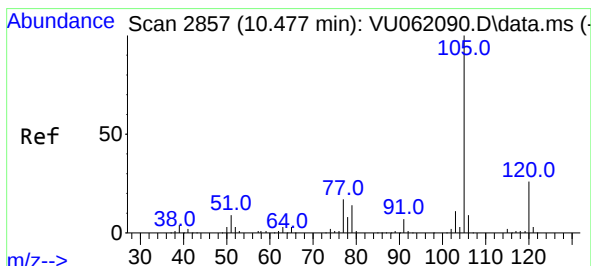
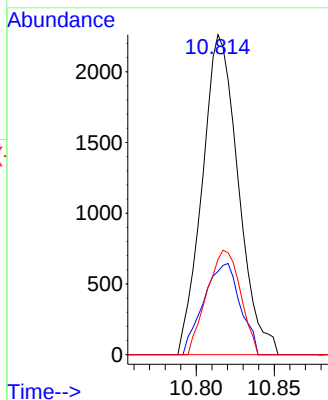
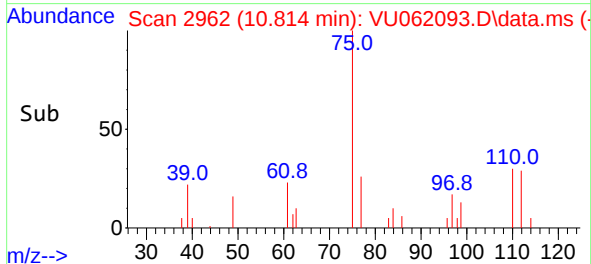
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2024-08



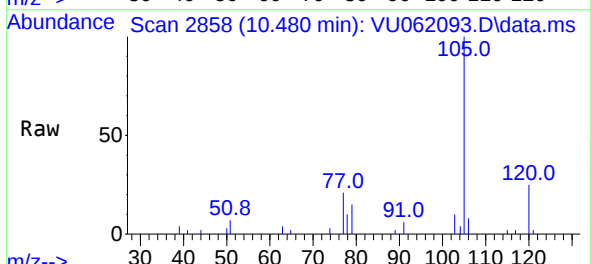
Tgt Ion: 75 Resp: 3634
Ion Ratio Lower Upper
75 100
77 28.9 26.2 39.4
110 30.4 30.7 46.1

Manual Integrations
APPROVED

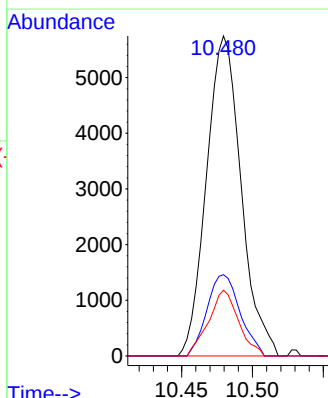
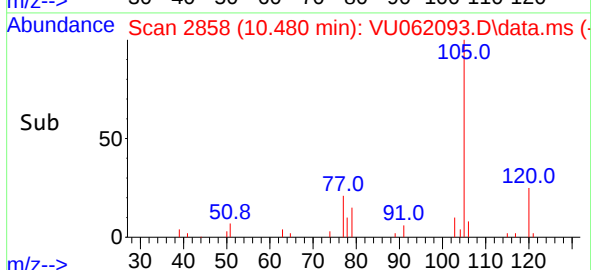
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024

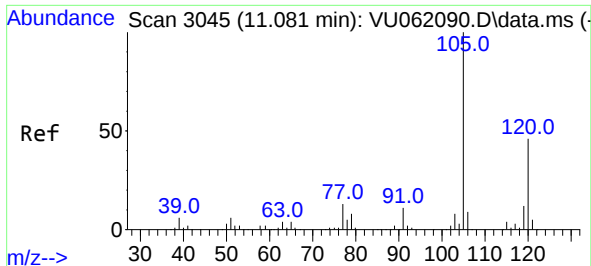


#61
Isopropylbenzene
Concen: 1.977 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44



Tgt Ion:105 Resp: 9770
Ion Ratio Lower Upper
105 100
120 24.3 20.0 30.0
77 17.9 13.1 19.7





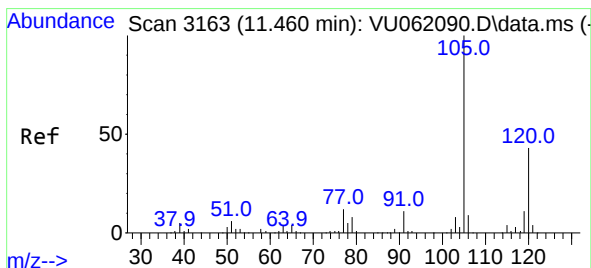
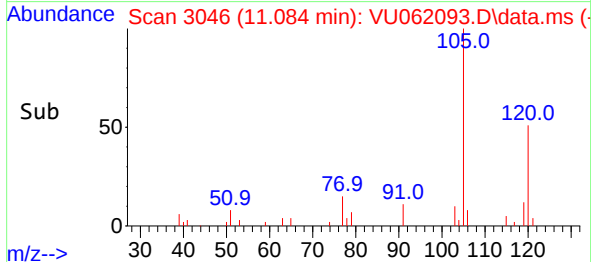
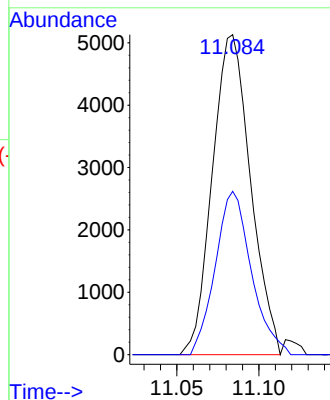
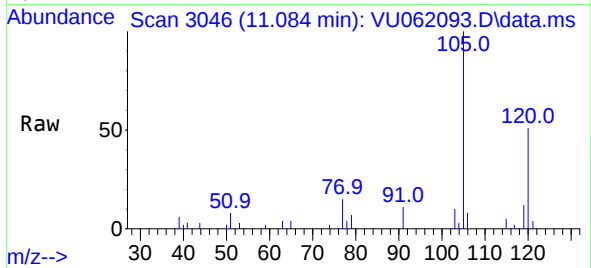
#62
1,3,5-Trimethylbenzene
Concen: 1.971 ug/L
RT: 11.084 min Scan# 3045
Delta R.T. 0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion:105 Resp: 8294
Ion Ratio Lower Upper
105 100
120 48.2 37.0 55.6

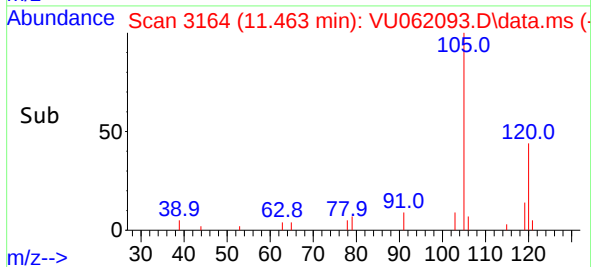
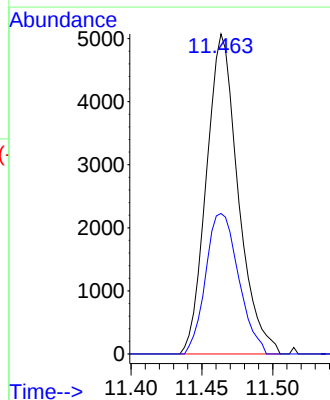
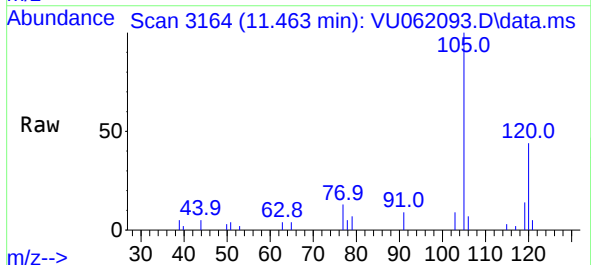
Manual Integrations
APPROVED

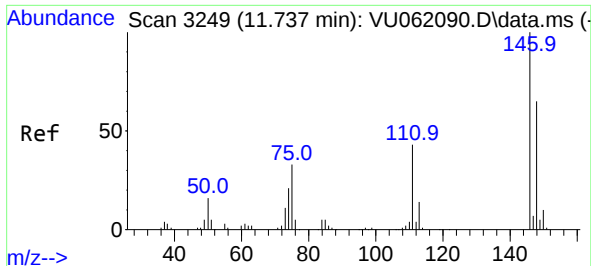
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#63
1,2,4-Trimethylbenzene
Concen: 1.956 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

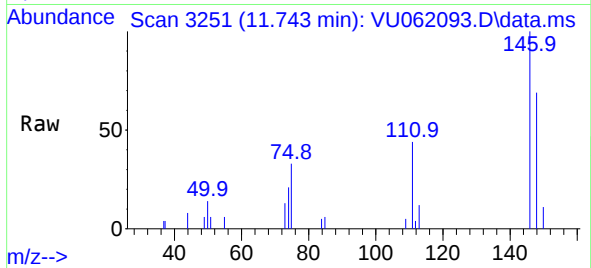
Tgt Ion:105 Resp: 7922
Ion Ratio Lower Upper
105 100
120 45.5 33.8 50.8





#64
1,3-Dichlorobenzene
Concen: 2.089 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

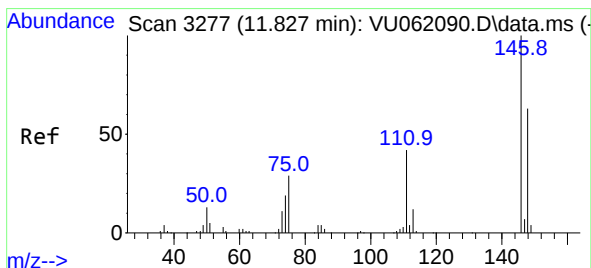
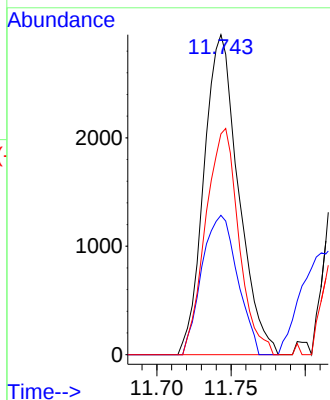
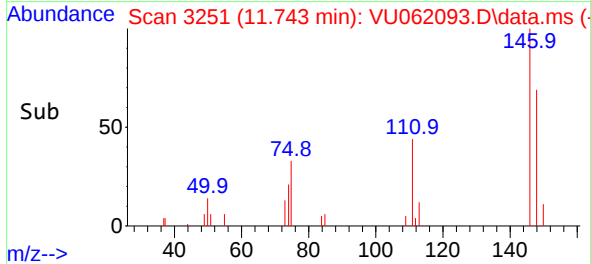
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08



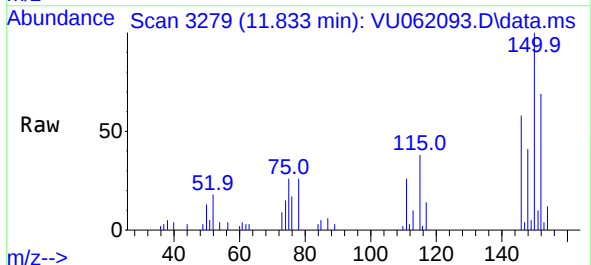
Tgt Ion:146 Resp: 477
Ion Ratio Lower Upper
146 100
111 47.7 29.8 55.4
148 69.0 44.4 82.5

Manual Integrations
APPROVED

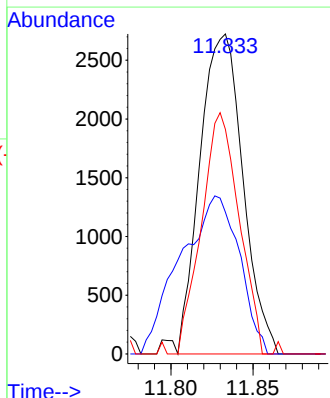
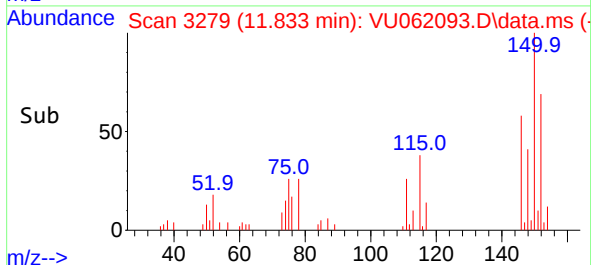
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024

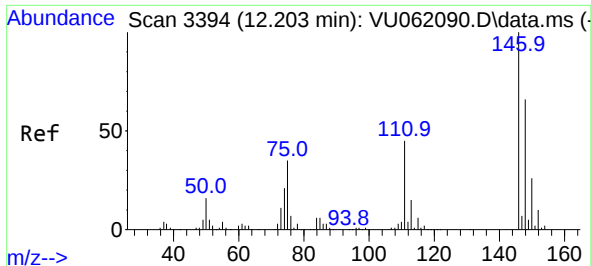


#65
1,4-Dichlorobenzene
Concen: 2.139 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.006 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44



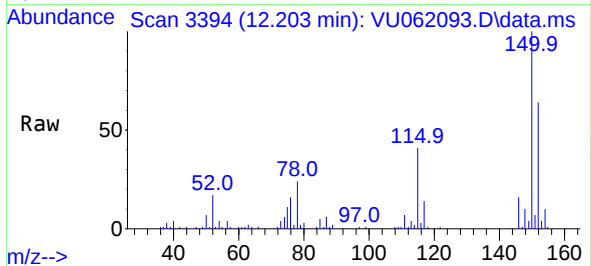
Tgt Ion:146 Resp: 4958
Ion Ratio Lower Upper
146 100
111 50.3 29.4 54.6
148 70.2 44.6 82.8





#67
1,2-Dichlorobenzene
Concen: 2.340 ug/L
RT: 12.203 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

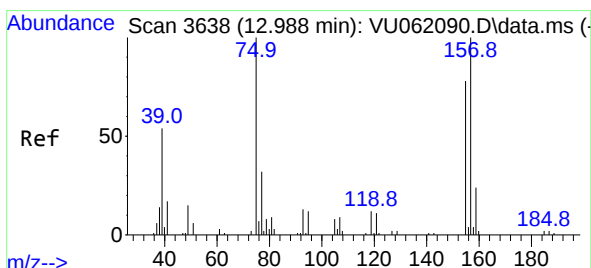
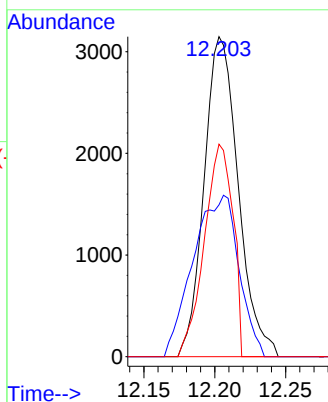
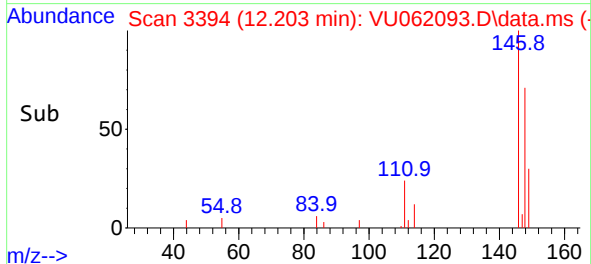
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08



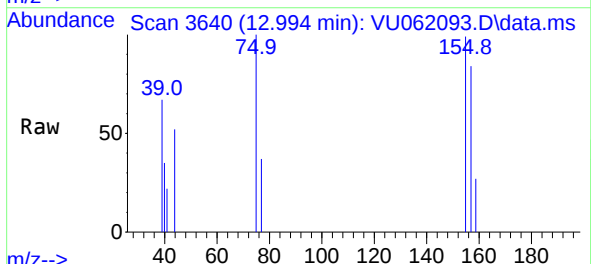
Tgt Ion:146 Resp: 5278
Ion Ratio Lower Upper
146 100
111 47.5 36.1 54.1
148 66.4 49.8 74.6

Manual Integrations
APPROVED

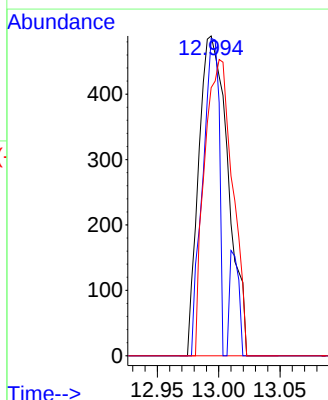
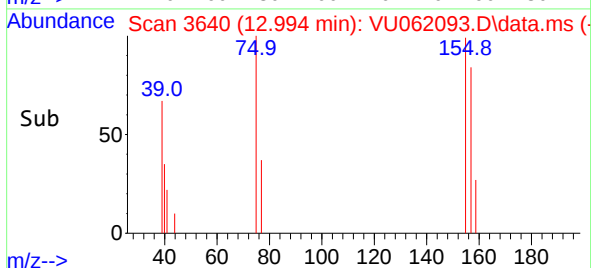
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024

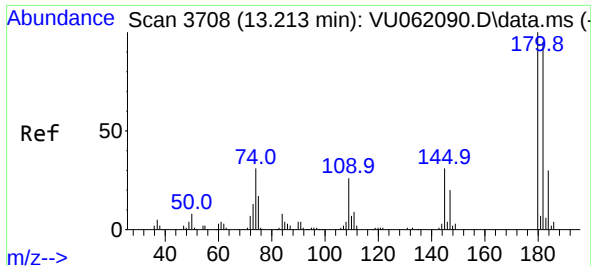


#68
1,2-Dibromo-3-chloropropane
Concen: 1.921 ug/L m
RT: 12.994 min Scan# 3640
Delta R.T. 0.006 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44



Tgt Ion: 75 Resp: 812
Ion Ratio Lower Upper
75 100
155 99.2 65.1 97.7#
157 83.8 91.2 136.8#





#69

1,3,5-Trichlorobenzene

Concen: 1.413 ug/L

RT: 13.219 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU062093.D

Acq: 05 Dec 2024 11:44

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2024-08

Tgt Ion:180 Resp: 227

Ion Ratio Lower Upper

180 100

182 132.5 74.6 112.0

184 36.6 24.2 36.2

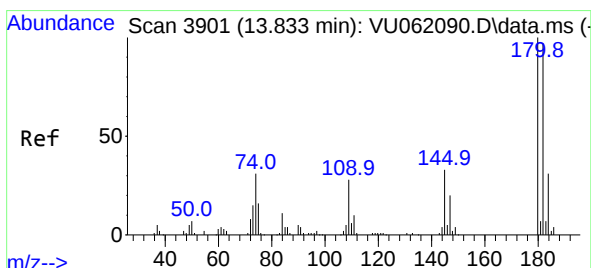
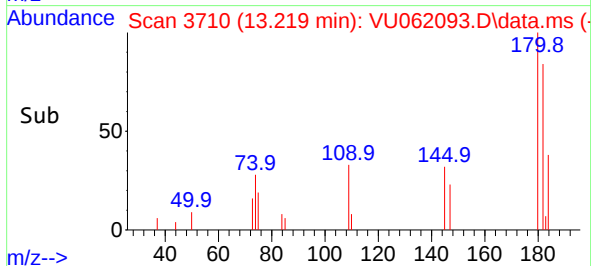
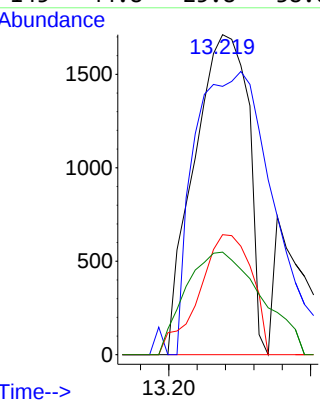
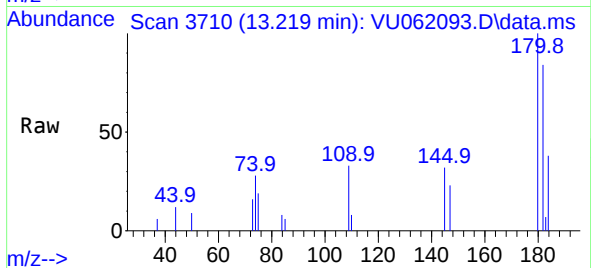
145 44.8 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/06/2024

Supervised By :Semsettin Yesilyurt 12/06/2024



#70

1,2,4-trichlorobenzene

Concen: 1.752 ug/L

RT: 13.846 min Scan# 3905

Delta R.T. 0.013 min

Lab File: VU062093.D

Acq: 05 Dec 2024 11:44

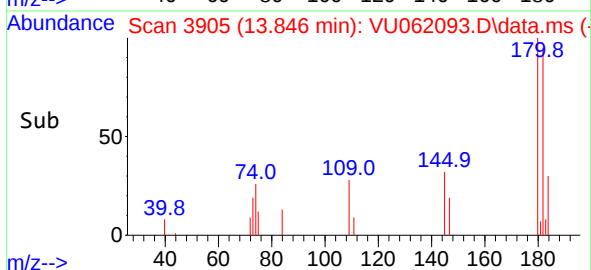
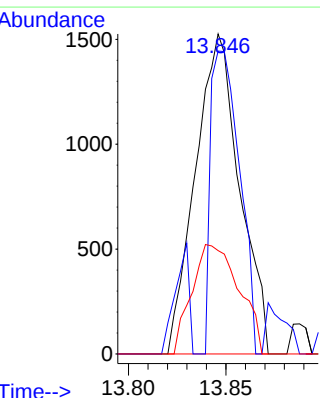
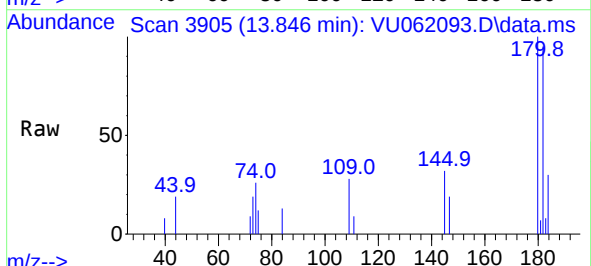
Tgt Ion:180 Resp: 2404

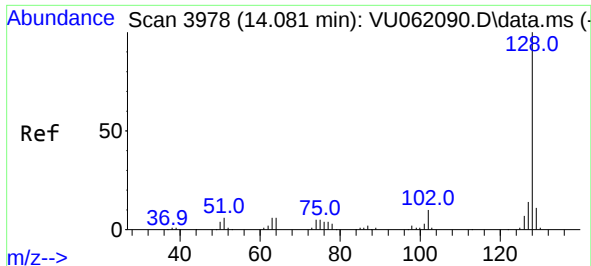
Ion Ratio Lower Upper

180 100

182 62.2 76.6 114.8

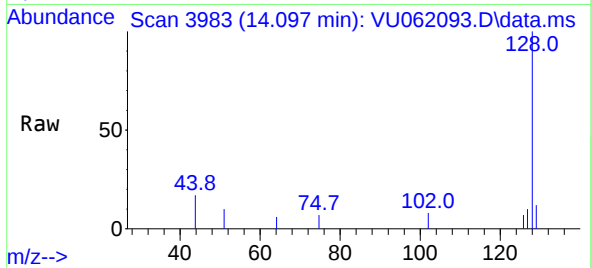
145 36.6 27.1 40.7





#71
Naphthalene
Concen: 1.386 ug/L
RT: 14.097 min Scan# 3978
Delta R.T. 0.016 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44

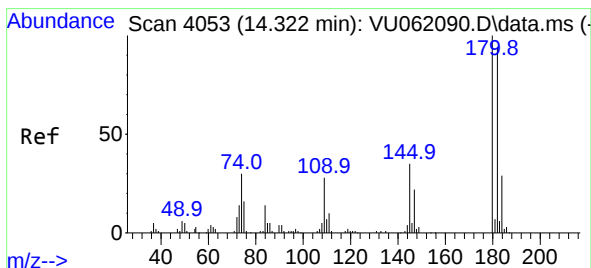
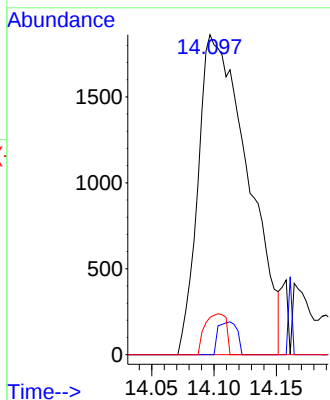
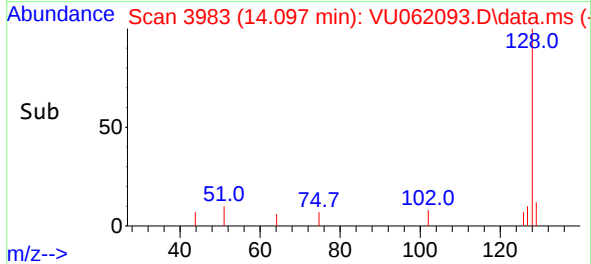
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-08



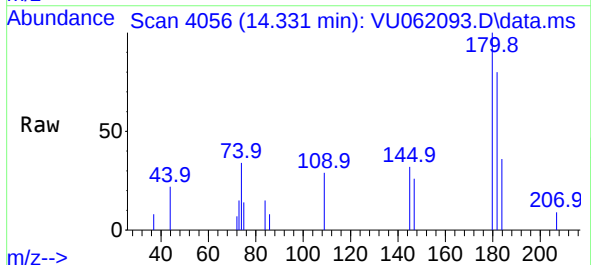
Tgt Ion:128 Resp: 515
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5
129 5.5 8.5 12.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#72
1,2,3-Trichlorobenzene
Concen: 1.424 ug/L
RT: 14.331 min Scan# 4056
Delta R.T. 0.009 min
Lab File: VU062093.D
Acq: 05 Dec 2024 11:44



Tgt Ion:180 Resp: 1886
Ion Ratio Lower Upper
180 100
182 78.4 75.8 113.6
145 35.1 27.4 41.0

