

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080224\
 Data File : VV036771.D
 Acq On : 02 Aug 2024 19:37
 Operator : SY/MD
 Sample : P3391-01
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Aug 03 00:23:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 03 00:03:39 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/03/2024
 Supervised By :Mahesh Dadoda 08/05/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	470635	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	435435	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	211967	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	183295	48.761	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.520%		
7) Chloroethane-d5	1.532	69	145578	49.109	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.220%		
11) 1,1-Dichloroethene-d2	2.059	65	80009	49.759	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	99.520%		
21) 2-Butanone-d5	3.799	46	203986	102.420	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	102.420%		
24) Chloroform-d	4.246	84	323581	47.968	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.940%		
26) 1,2-Dichloroethane-d4	4.937	65	221441	51.056	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.120%		
32) Benzene-d6	4.953	84	676585	51.445	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.880%		
36) 1,2-Dichloropropane-d6	5.985	67	216363	50.993	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.980%		
41) Toluene-d8	7.239	98	615373	51.008	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.020%		
43) trans-1,3-Dichloroprop...	7.551	79	106042	48.023	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.040%		
47) 2-Hexanone-d5	8.027	63	123971	101.618	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.620%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	245460	50.384	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	100.760%		
66) 1,2-Dichlorobenzene-d4	11.557	152	219494	50.817	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	9360	2.494	ug/L	99
3) Chloromethane	1.217	50	9530	2.427	ug/L	100
5) Vinyl chloride	1.281	62	10775	2.672	ug/L #	76
6) Bromomethane	1.487	94	5990	2.359	ug/L	97
8) Chloroethane	1.548	64	6197	2.481	ug/L	99
9) Trichlorofluoromethane	1.712	101	12913	2.444	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	9481	3.046	ug/L #	89
12) 1,1-Dichloroethene	2.069	96	8668	2.916	ug/L #	1
13) Acetone	2.117	43	6868	4.122	ug/L	94
14) Carbon disulfide	2.240	76	26003	2.784	ug/L #	93
15) Methyl Acetate	2.375	43	7835	2.282	ug/L	94
16) Methylene chloride	2.445	84	9418	2.818	ug/L	94
17) trans-1,2-Dichloroethene	2.693	96	6970	2.263	ug/L	96
18) Methyl tert-butyl Ether	2.712	73	24941	2.300	ug/L	96
19) 1,1-Dichloroethane	3.108	63	14329	2.303	ug/L	96
20) cis-1,2-Dichloroethene	3.812	96	8976	2.483	ug/L	91
22) 2-Butanone	3.918	43	12934m	5.794	ug/L	
23) Bromochloromethane	4.149	128	3928	2.237	ug/L #	97
27) 1,2-Dichloroethane	5.050	62	11594m	2.300	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.574	56	13694	2.468	ug/L	96
30) 1,1,1-Trichloroethane	4.506	97	12115	2.208	ug/L	93
31) Carbon tetrachloride	4.731	117	10754	2.334	ug/L	99
33) Benzene	5.011	78	29807	2.289	ug/L	100
34) Trichloroethene	5.834	95	9950m	2.636	ug/L	
35) Methylcyclohexane	6.046	83	15777m	2.724	ug/L	
37) 1,2-Dichloropropane	6.101	63	8867m	2.570	ug/L	
38) Bromodichloromethane	6.442	83	10687	2.249	ug/L	99
39) cis-1,3-Dichloropropene	6.969	75	14105m	2.387	ug/L	
40) 4-Methyl-2-pentanone	7.172	43	22049m	5.159	ug/L	
42) Toluene	7.323	91	31036	2.237	ug/L	98
44) trans-1,3-Dichloropropene	7.593	75	13594m	2.469	ug/L	
45) 1,1,2-Trichloroethane	7.779	97	7047	2.109	ug/L	94
46) Tetrachloroethene	7.908	164	6363	2.570	ug/L	95
48) 2-Hexanone	8.088	43	31124m	9.899	ug/L	
49) Dibromochloromethane	8.178	129	7646	2.227	ug/L	99
50) 1,2-Dibromoethane	8.291	107	8032	2.317	ug/L #	96
51) Chlorobenzene	8.818	112	20901	2.348	ug/L	95
52) Ethylbenzene	8.950	91	36253	2.289	ug/L	99
53) m,p-Xylene	9.078	106	12927	2.183	ug/L	95
54) o-Xylene	9.480	106	12998	2.245	ug/L	100
55) Styrene	9.503	104	23137m	2.331	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.178	83	12176	2.701	ug/L #	95
59) Bromoform	9.667	173	4695	2.002	ug/L	99
60) Isopropylbenzene	9.869	105	35890	2.326	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	8992	2.357	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	29336	2.283	ug/L	97
63) 1,2,4-Trimethylbenzene	10.853	105	29644	2.305	ug/L	95
64) 1,3-Dichlorobenzene	11.120	146	16876	2.543	ug/L	96
65) 1,4-Dichlorobenzene	11.207	146	19796	2.934	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	16878	2.604	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	2272	2.060	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	11857	2.518	ug/L	96
70) 1,2,4-trichlorobenzene	13.201	180	11780	2.608	ug/L	95
71) Naphthalene	13.442	128	41655	2.876	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	11451	2.590	ug/L	99

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

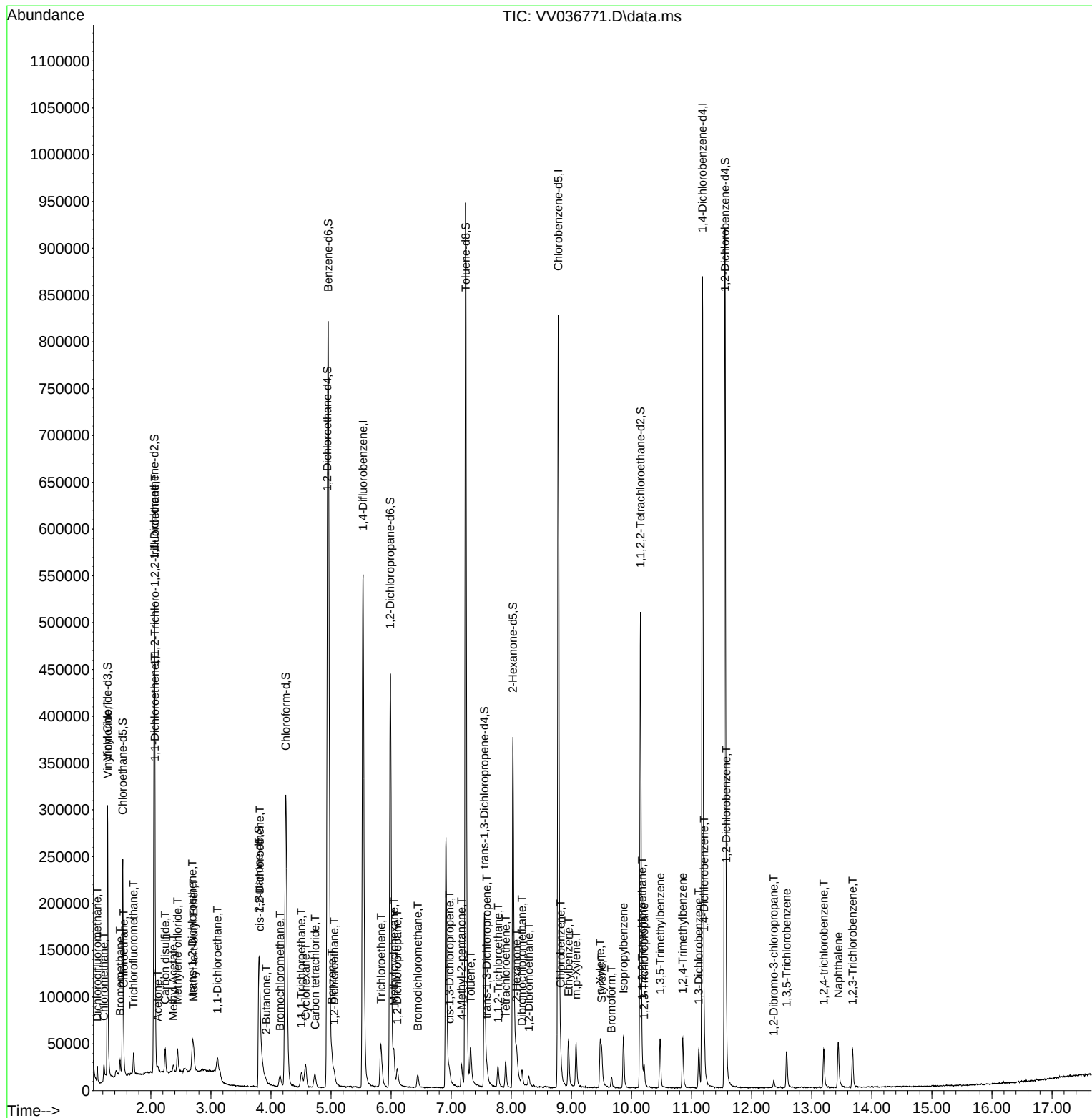
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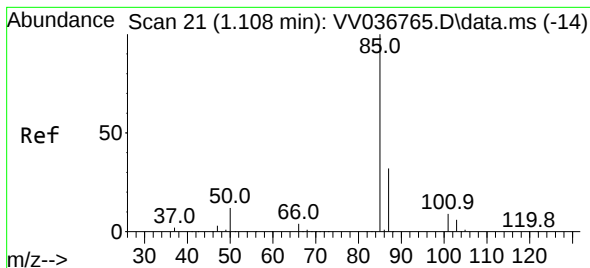
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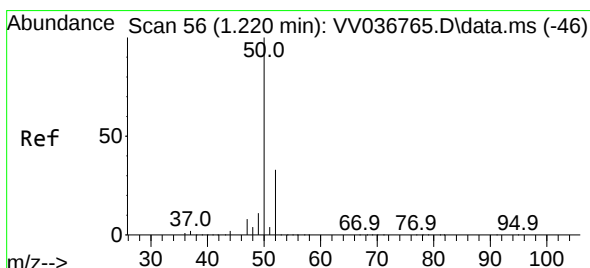
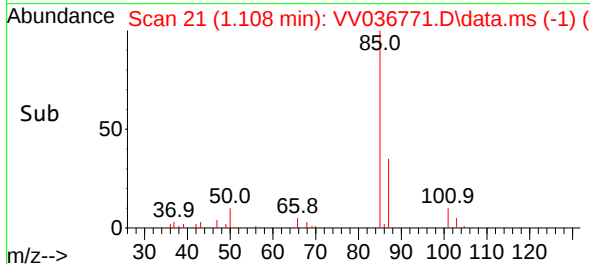
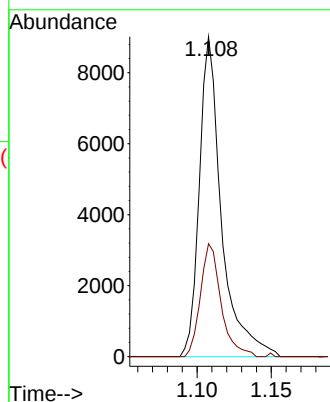
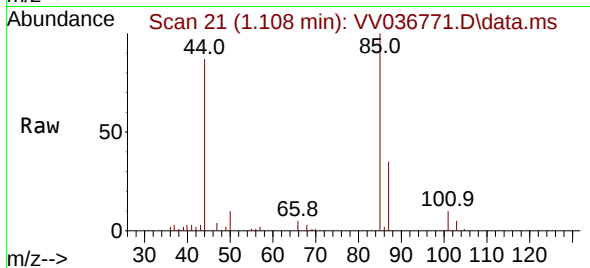
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Dichlorodifluoromethane
Concen: 2.494 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

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

Tgt Ion: 85 Resp: 9360
Ion Ratio Lower Upper
85 100
87 32.9 25.9 38.9

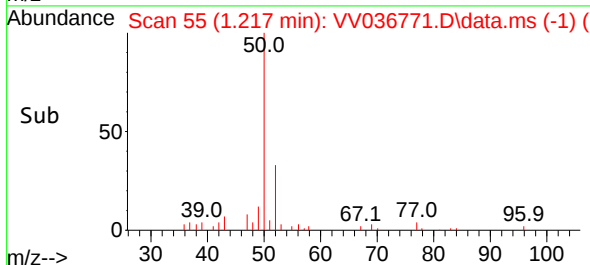
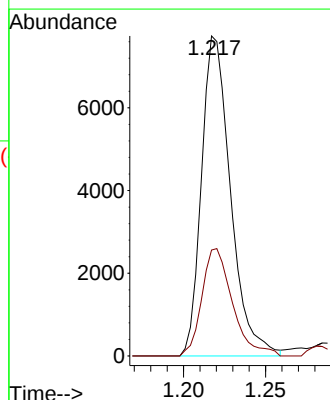
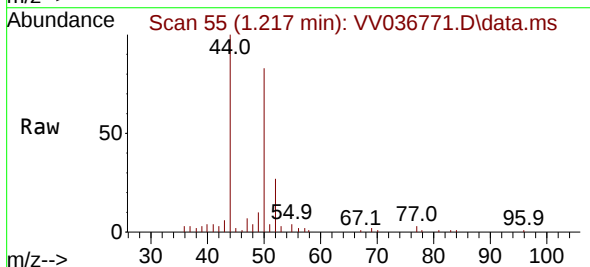
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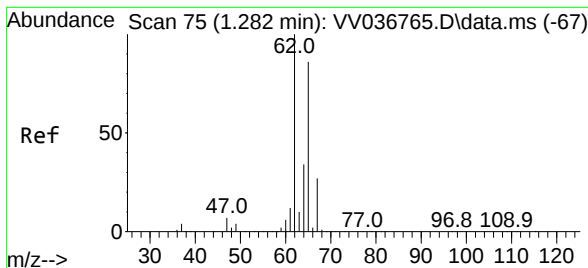
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#3
Chloromethane
Concen: 2.427 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.003 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

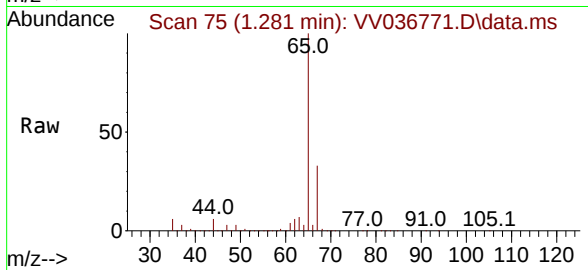
Tgt Ion: 50 Resp: 9530
Ion Ratio Lower Upper
50 100
52 33.1 23.0 42.8





#5
Vinyl chloride
Concen: 2.672 ug/L
RT: 1.281 min Scan# 75
Delta R.T. -0.000 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

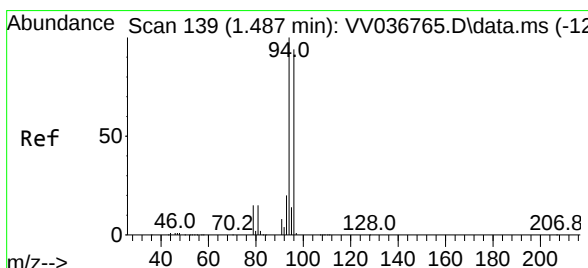
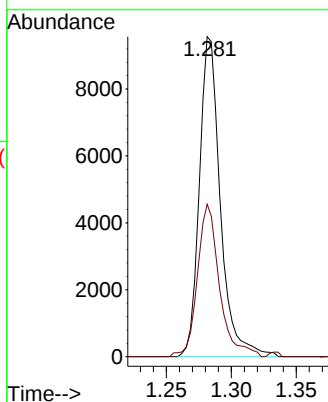
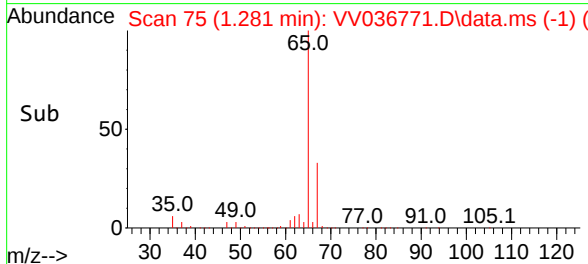
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2024-05



Tgt Ion: 62 Resp: 10775
Ion Ratio Lower Upper
62 100
64 47.6 23.6 43.8

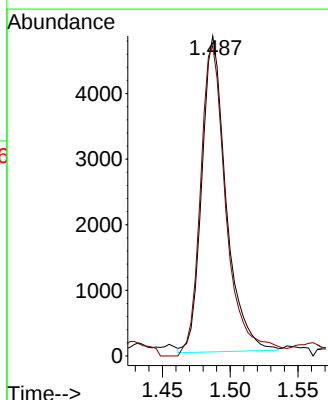
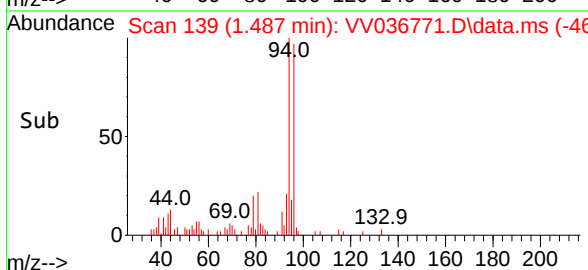
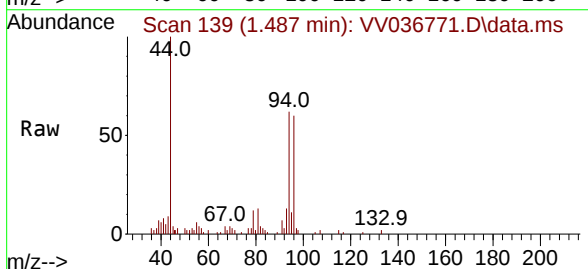
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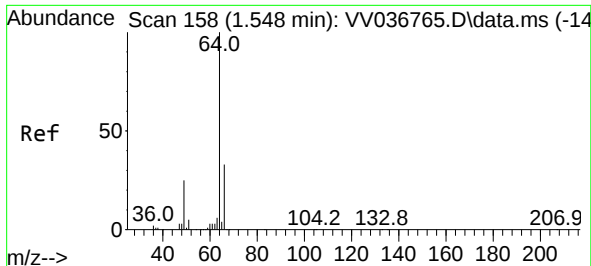
Reviewed By :Semsettin Yesilyurt 08/03/2024
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#6
Bromomethane
Concen: 2.359 ug/L
RT: 1.487 min Scan# 139
Delta R.T. -0.000 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

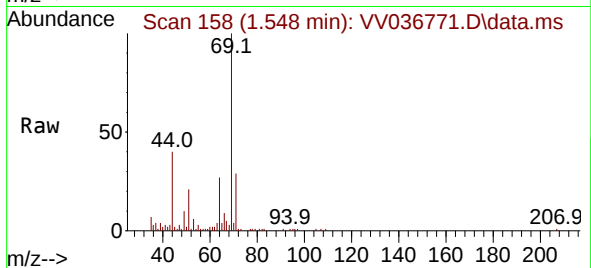
Tgt Ion: 94 Resp: 5990
Ion Ratio Lower Upper
94 100
96 96.9 65.5 121.7





#8
Chloroethane
Concen: 2.481 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

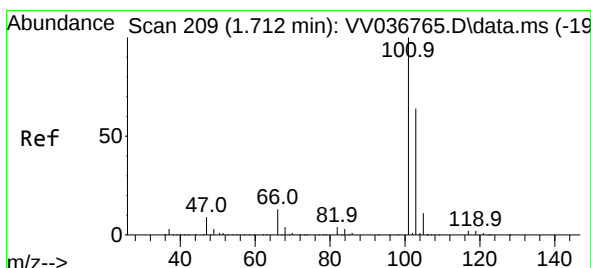
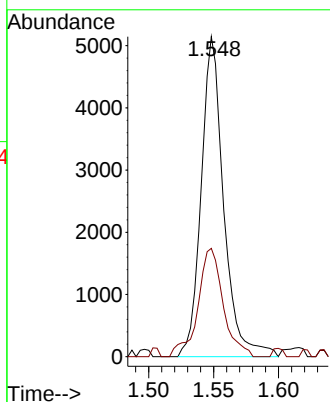
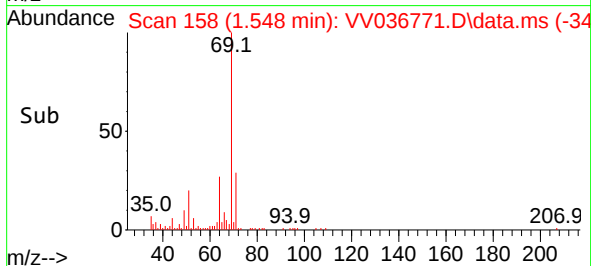
Instrument : MSVOA_V
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Tgt Ion: 64 Resp: 619
Ion Ratio Lower Upper
64 100
66 33.8 23.2 43.0

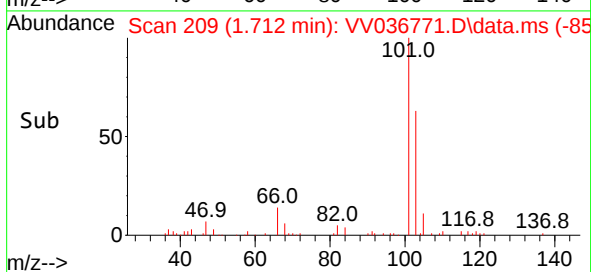
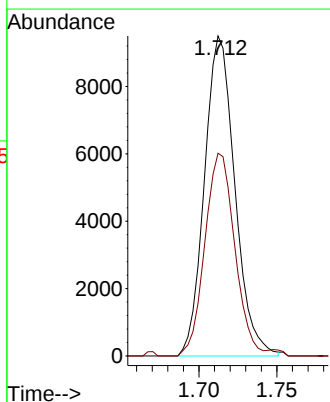
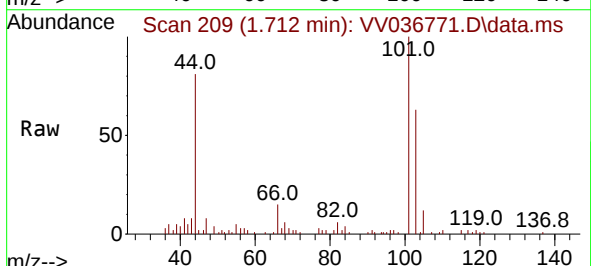
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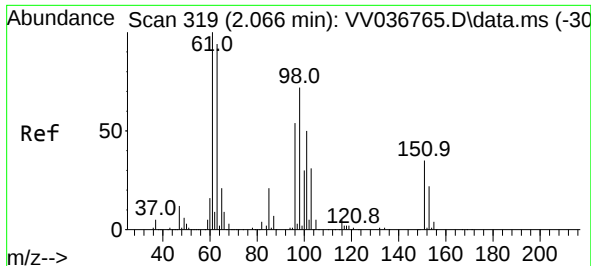
Reviewed By :Semsettin Yesilyurt 08/03/2024
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#9
Trichlorofluoromethane
Concen: 2.444 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

Tgt Ion:101 Resp: 12913
Ion Ratio Lower Upper
101 100
103 62.1 51.4 77.0





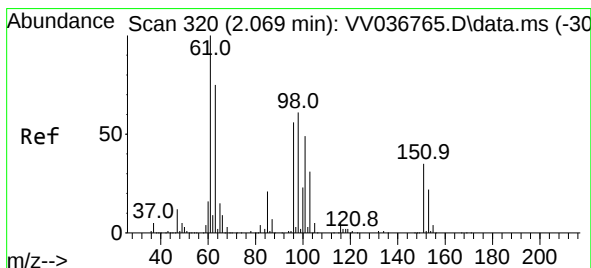
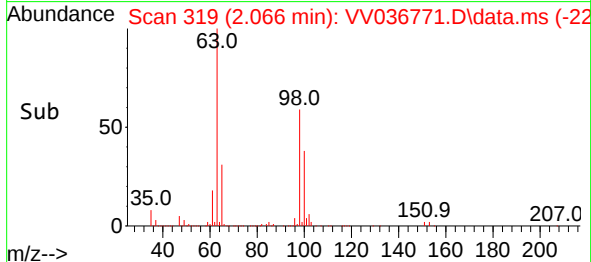
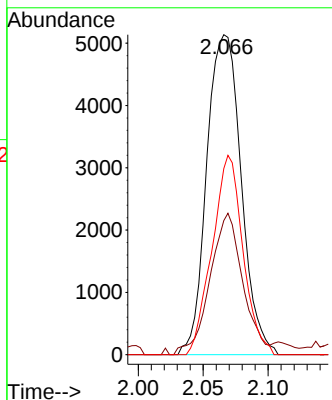
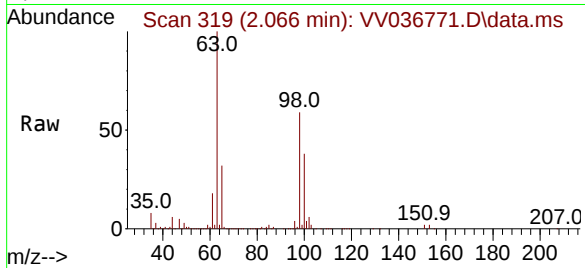
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.046 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.000 min
Lab File: VV036771.D
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MSVOA_V
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Tgt Ion: 101 Resp: 948
Ion Ratio Lower Upper
101 100
85 42.1 34.6 51.8
151 55.7 55.9 83.9

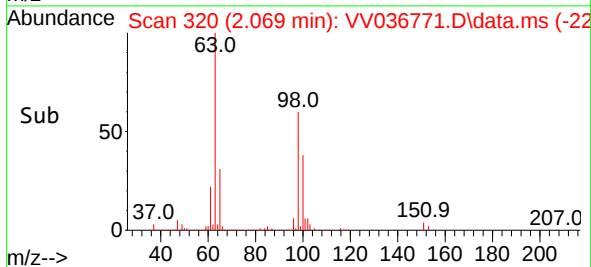
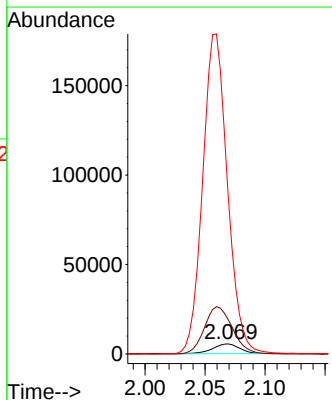
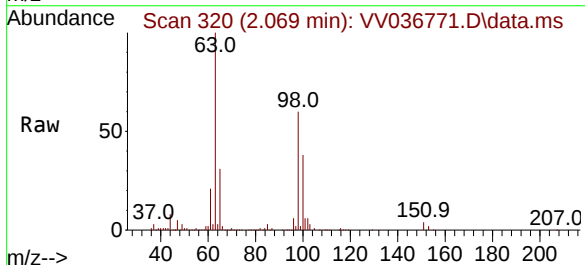
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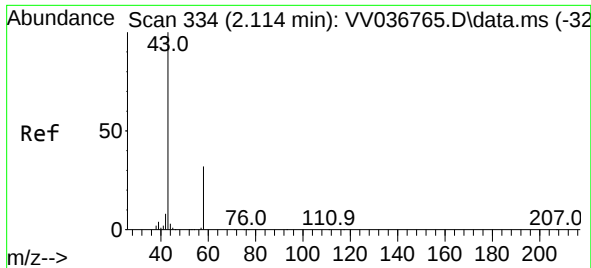
Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024



#12
1,1-Dichloroethene
Concen: 2.916 ug/L
RT: 2.069 min Scan# 320
Delta R.T. -0.000 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

Tgt Ion: 96 Resp: 8668
Ion Ratio Lower Upper
96 100
61 344.3 125.6 233.2#
63 1602.6 95.1 176.7#





#13

Acetone

Concen: 4.122 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV036771.D

Acq: 02 Aug 2024 19:37

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2024-05

Tgt Ion: 43 Resp: 686

Ion Ratio Lower Upper

43 100

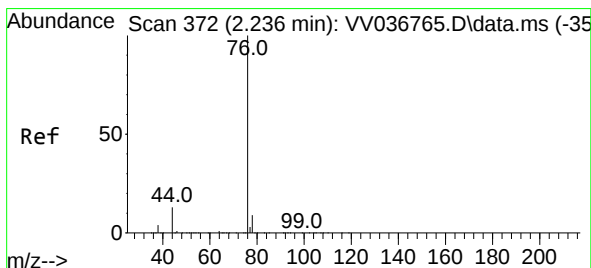
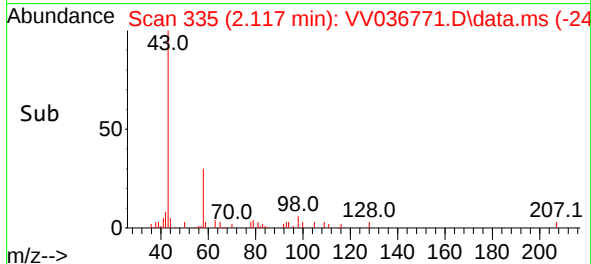
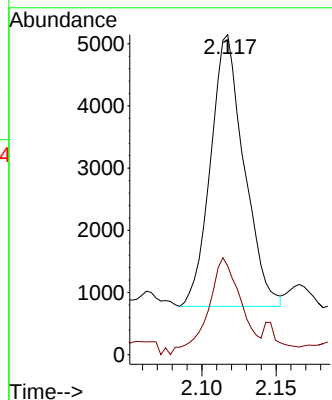
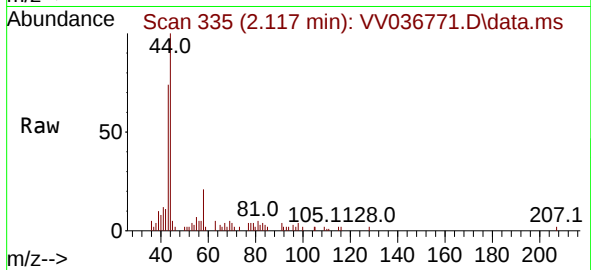
58 35.2 0.0 63.4

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#14

Carbon disulfide

Concen: 2.784 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.003 min

Lab File: VV036771.D

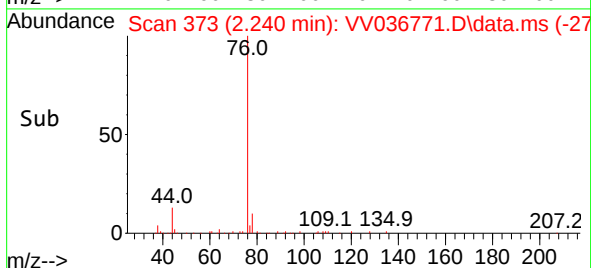
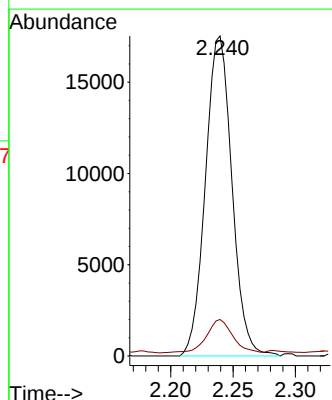
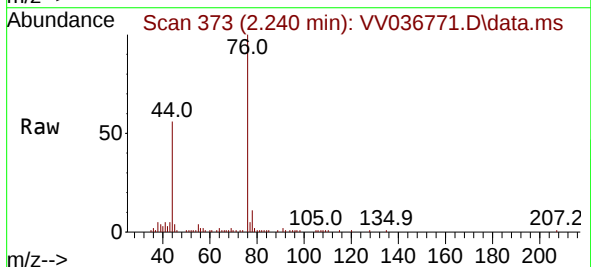
Acq: 02 Aug 2024 19:37

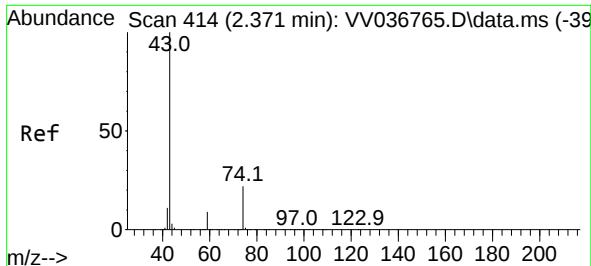
Tgt Ion: 76 Resp: 26003

Ion Ratio Lower Upper

76 100

78 11.4 7.1 10.7#





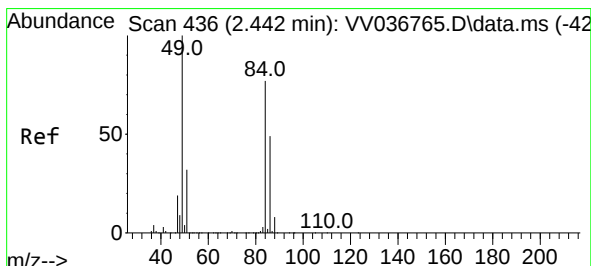
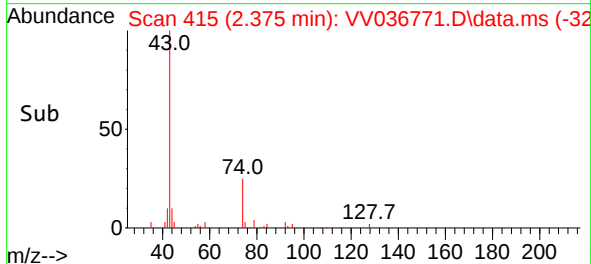
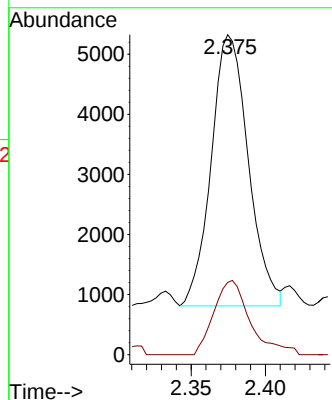
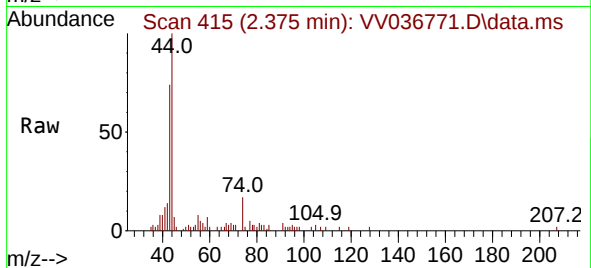
#15
Methyl Acetate
Concen: 2.282 ug/L
RT: 2.375 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

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

Tgt Ion: 43 Resp: 783
Ion Ratio Lower Upper
43 100
74 26.5 19.0 28.4

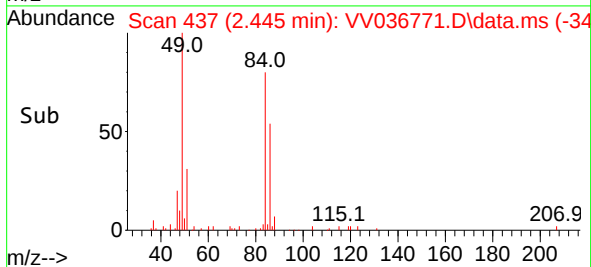
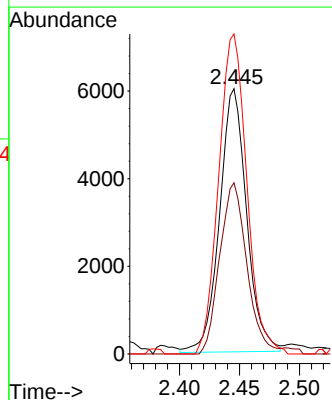
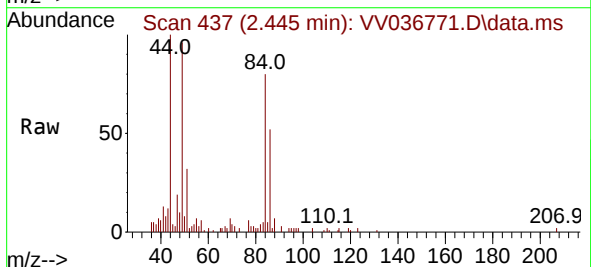
Manual Integrations
APPROVED

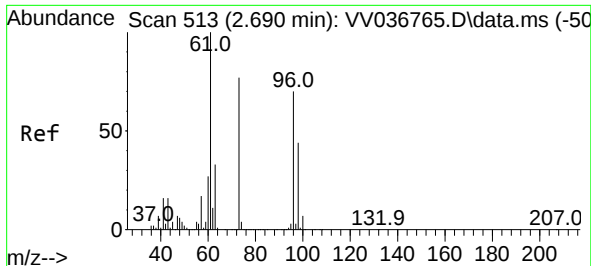
Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024



#16
Methylene chloride
Concen: 2.818 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.003 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

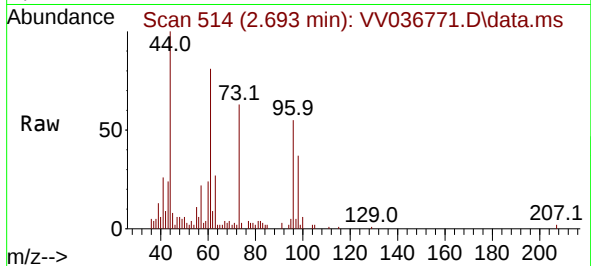
Tgt Ion: 84 Resp: 9418
Ion Ratio Lower Upper
84 100
86 64.5 44.3 82.3
49 120.6 91.1 169.1





#17
trans-1,2-Dichloroethene
Concen: 2.263 ug/L
RT: 2.693 min Scan# 513
Delta R.T. 0.003 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

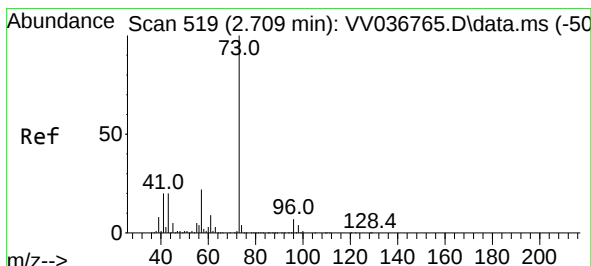
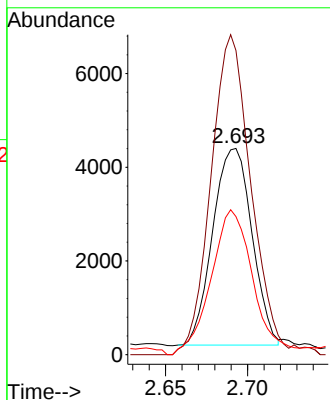
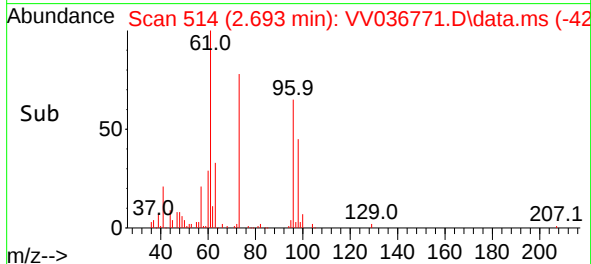
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2024-05



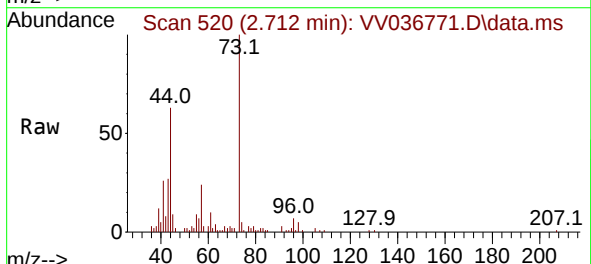
Tgt Ion: 96 Resp: 6970
Ion Ratio Lower Upper
96 100
61 147.4 100.0 185.8
98 67.0 44.0 81.8

Manual Integrations
APPROVED

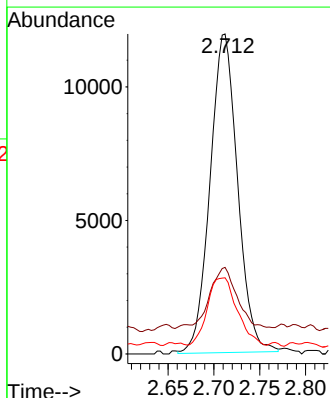
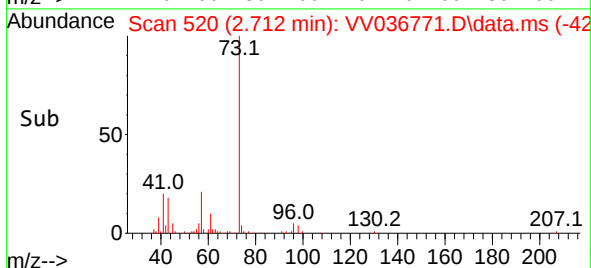
Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024

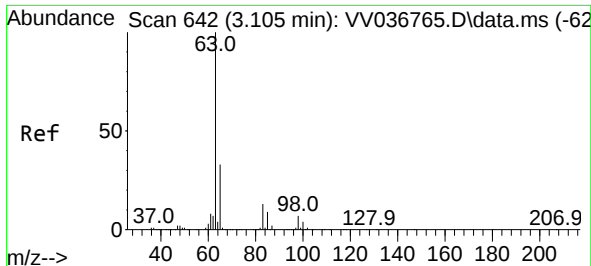


#18
Methyl tert-butyl Ether
Concen: 2.300 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.003 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37



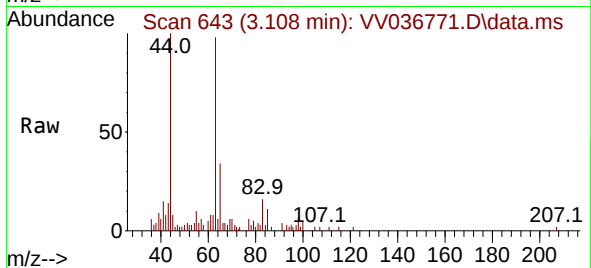
Tgt Ion: 73 Resp: 24941
Ion Ratio Lower Upper
73 100
43 16.6 16.1 24.1
57 22.7 17.9 26.9





#19
1,1-Dichloroethane
Concen: 2.303 ug/L
RT: 3.108 min Scan# 642
Delta R.T. 0.003 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

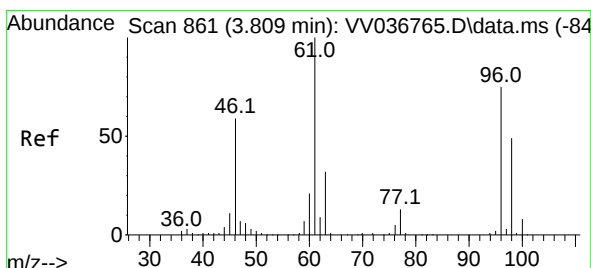
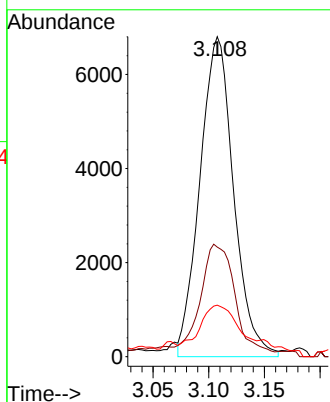
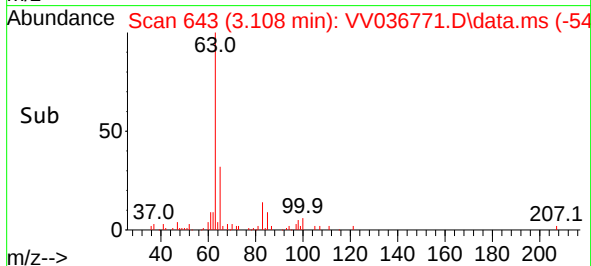
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT3-2024-05



Tgt Ion: 63 Resp: 14329
Ion Ratio Lower Upper
63 100
65 34.3 23.2 43.0
83 16.1 9.2 17.0

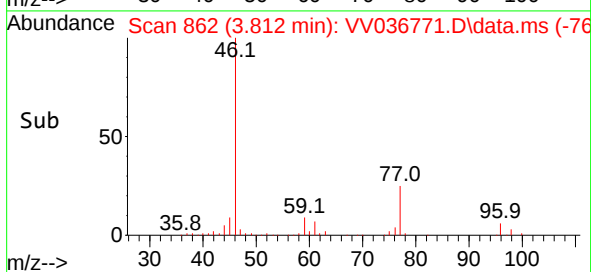
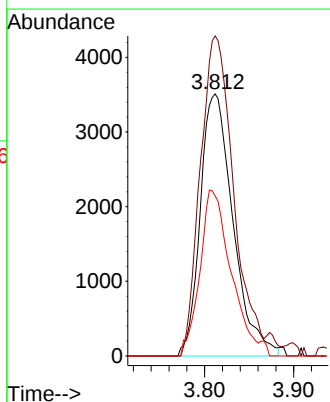
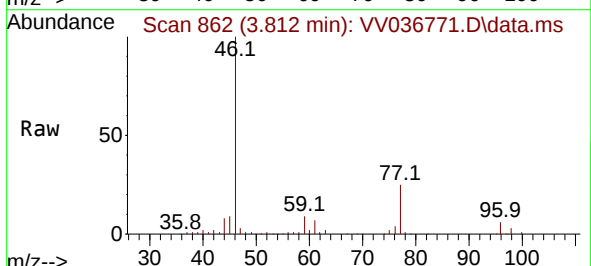
Manual Integrations
APPROVED

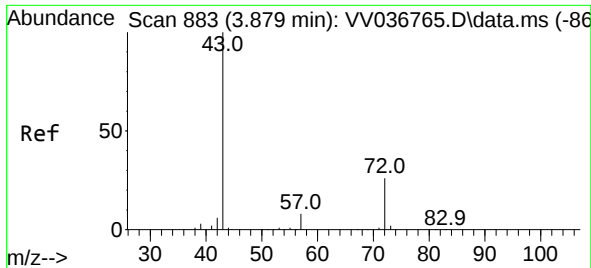
Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024



#20
cis-1,2-Dichloroethene
Concen: 2.483 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.003 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

Tgt Ion: 96 Resp: 8976
Ion Ratio Lower Upper
96 100
61 122.1 93.9 174.5
98 61.0 46.0 85.4





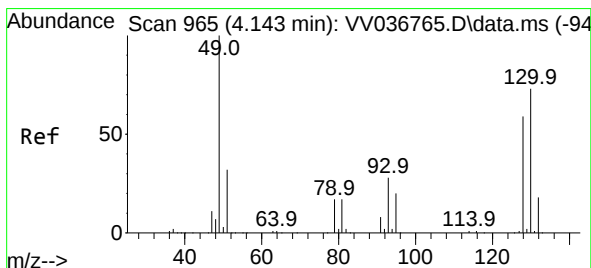
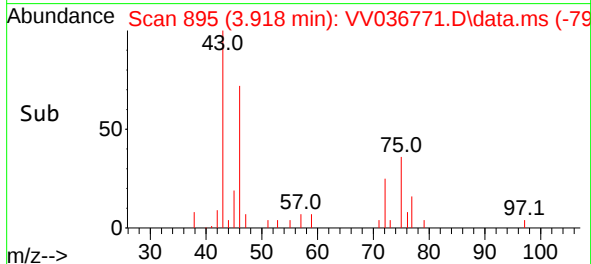
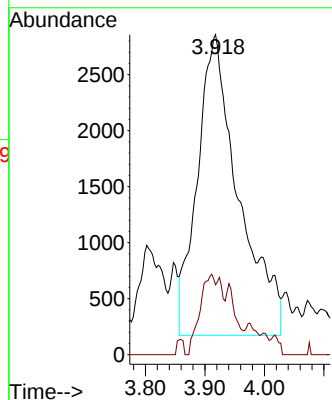
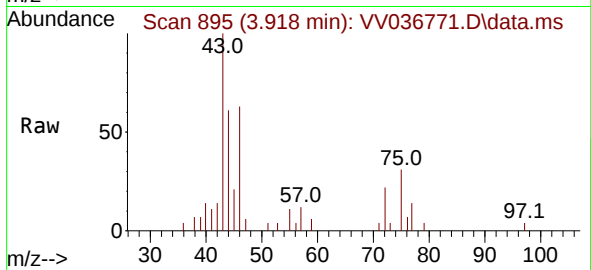
#22
2-Butanone
Concen: 5.794 ug/L m
RT: 3.918 min Scan# 895
Delta R.T. 0.038 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

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

Tgt Ion: 43 Resp: 12934
Ion Ratio Lower Upper
43 100
72 10.1 12.5 37.5

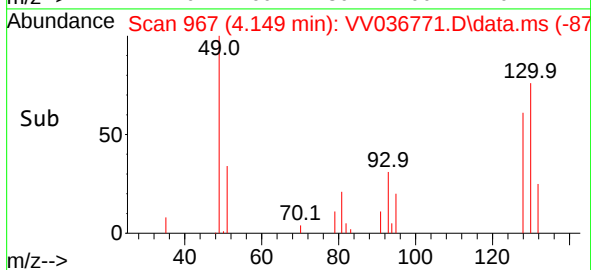
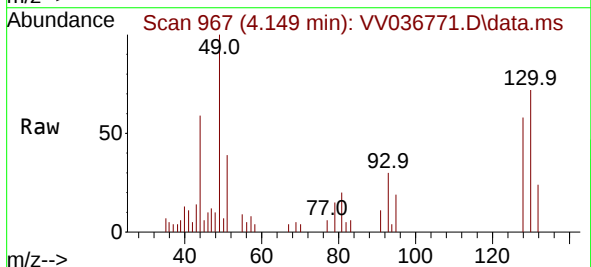
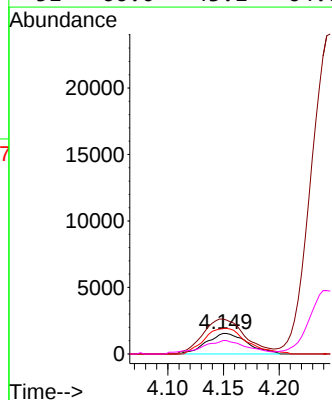
Manual Integrations
APPROVED

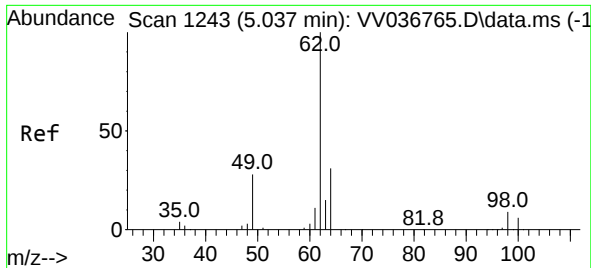
Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024



#23
Bromochloromethane
Concen: 2.237 ug/L
RT: 4.149 min Scan# 967
Delta R.T. 0.006 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

Tgt Ion:128 Resp: 3928
Ion Ratio Lower Upper
128 100
49 171.2 120.0 223.0
130 123.8 87.0 161.6
51 66.0 43.1 64.7





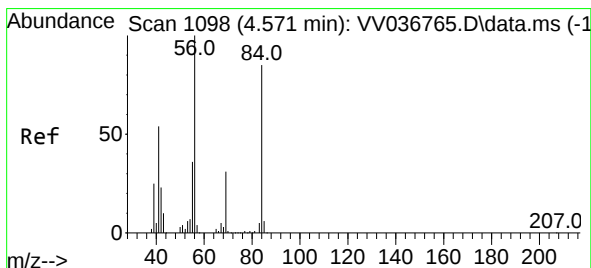
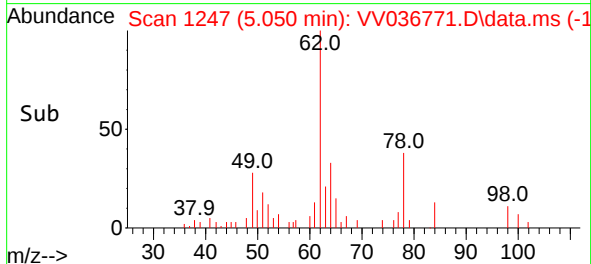
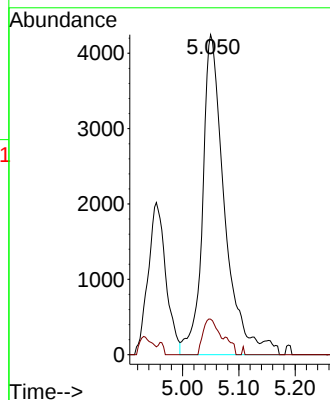
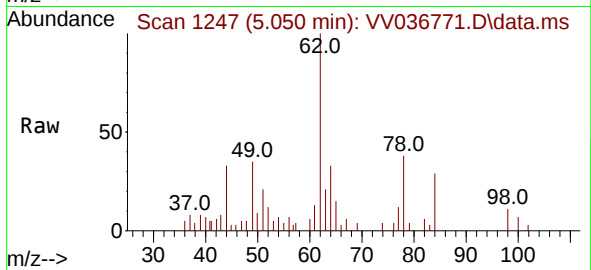
#27
1,2-Dichloroethane
Concen: 2.300 ug/L m
RT: 5.050 min Scan# 11594
Delta R.T. 0.013 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

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

Tgt Ion: 62 Resp: 11594
Ion Ratio Lower Upper
62 100
98 11.1 7.5 11.3

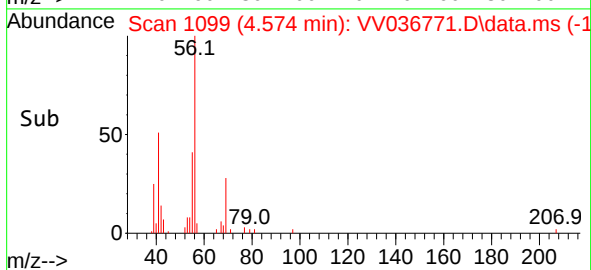
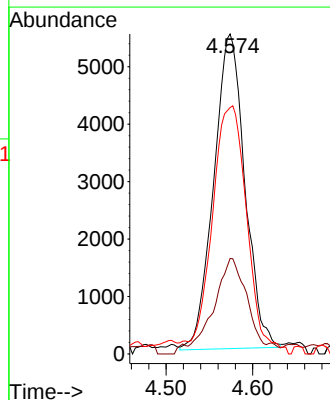
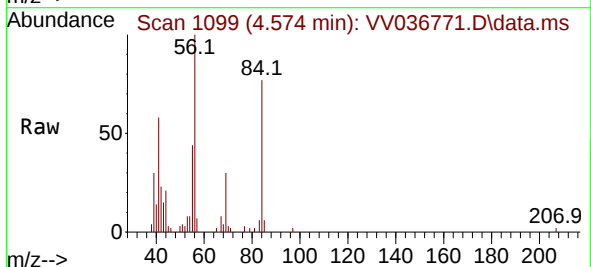
Manual Integrations
APPROVED

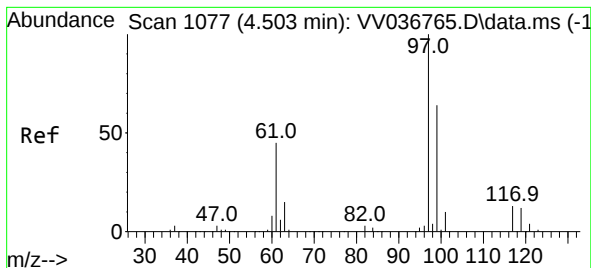
Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024



#29
Cyclohexane
Concen: 2.468 ug/L
RT: 4.574 min Scan# 1099
Delta R.T. 0.003 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

Tgt Ion: 56 Resp: 13694
Ion Ratio Lower Upper
56 100
69 32.0 24.7 37.1
84 81.5 68.5 102.7





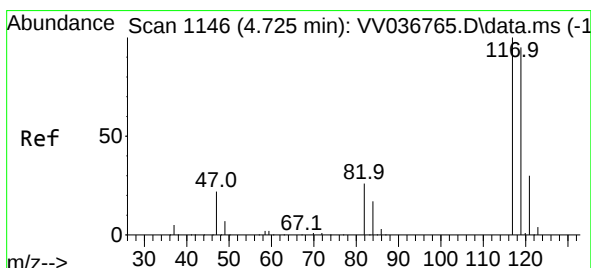
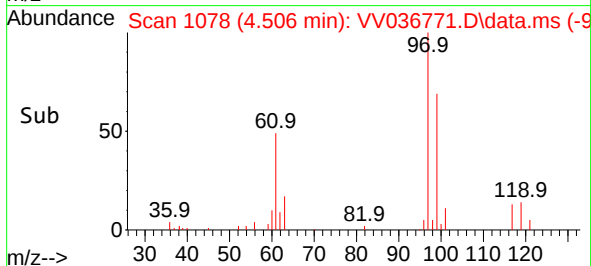
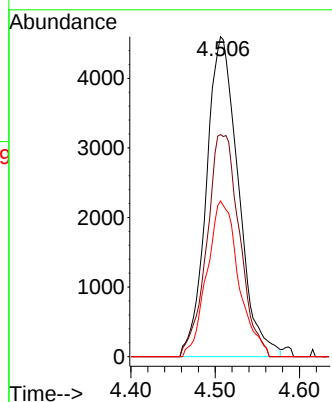
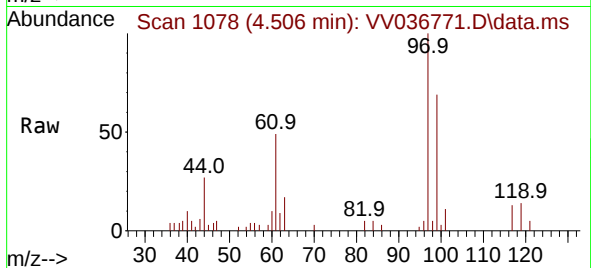
#30
1,1,1-Trichloroethane
Concen: 2.208 ug/L
RT: 4.506 min Scan# 1148
Delta R.T. 0.003 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

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

Tgt Ion: 97 Resp: 1211
Ion Ratio Lower Upper
97 100
99 70.9 51.5 77.3
61 48.2 36.0 54.0

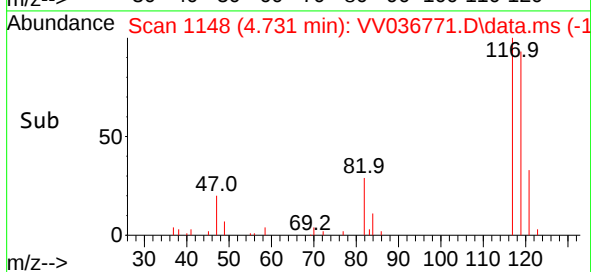
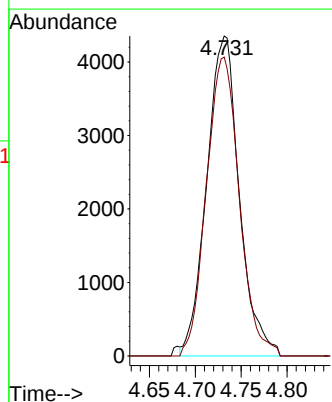
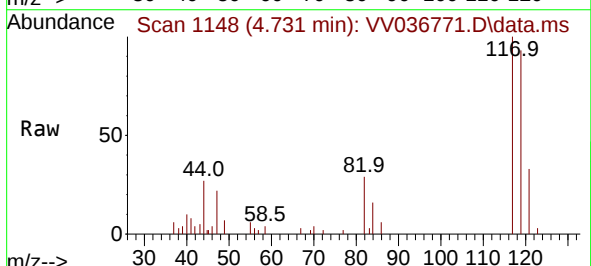
Manual Integrations
APPROVED

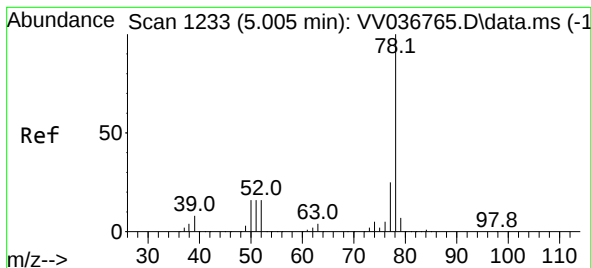
Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024



#31
Carbon tetrachloride
Concen: 2.334 ug/L
RT: 4.731 min Scan# 1148
Delta R.T. 0.006 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

Tgt Ion:117 Resp: 10754
Ion Ratio Lower Upper
117 100
119 94.3 76.1 114.1





#33

Benzene

Concen: 2.289 ug/L

RT: 5.011 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV036771.D

Acq: 02 Aug 2024 19:37

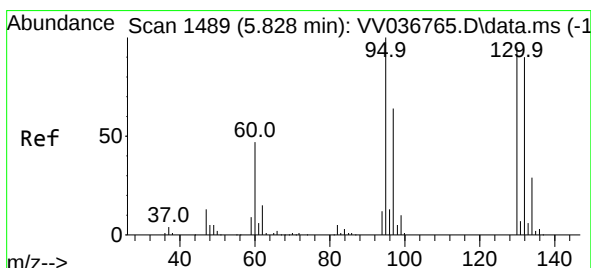
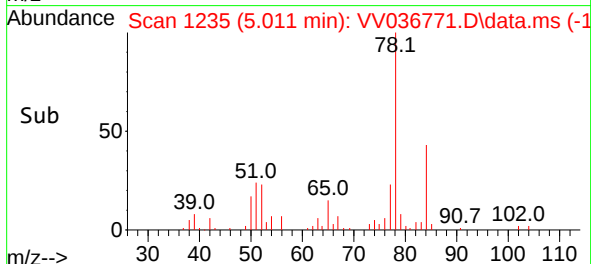
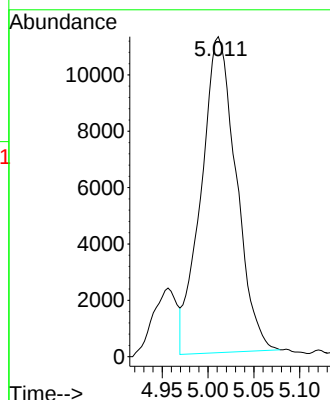
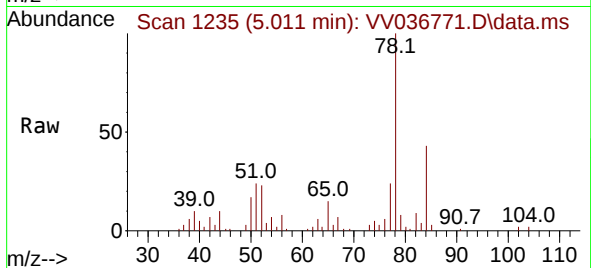
Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2024-05

Tgt Ion: 78 Resp: 2980

**Manual Integrations
APPROVED**Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024

#34

Trichloroethene

Concen: 2.636 ug/L m

RT: 5.834 min Scan# 1491

Delta R.T. 0.006 min

Lab File: VV036771.D

Acq: 02 Aug 2024 19:37

Tgt Ion: 95 Resp: 9950

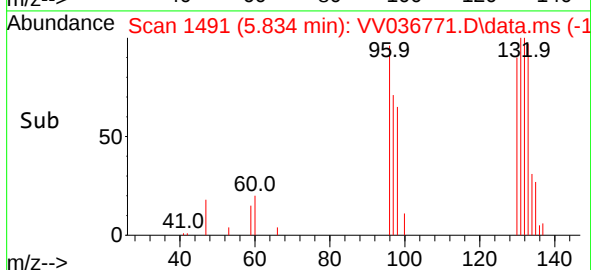
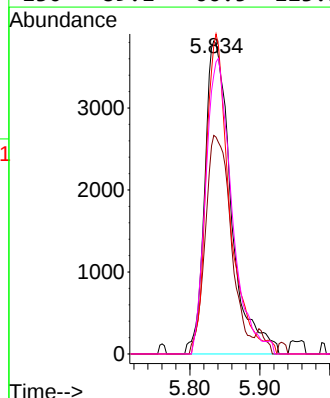
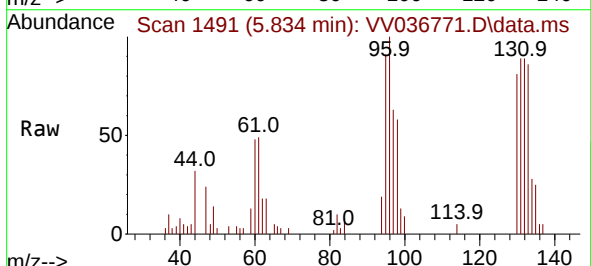
Ion Ratio Lower Upper

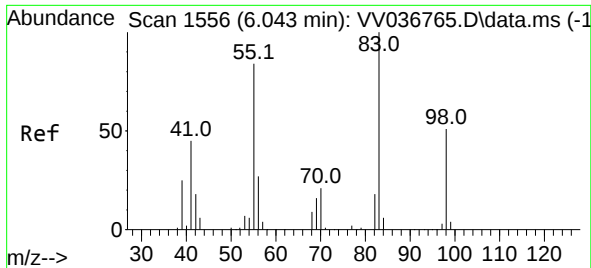
95 100

97 69.8 44.7 82.9

132 98.6 62.9 116.9

130 89.1 66.5 123.5





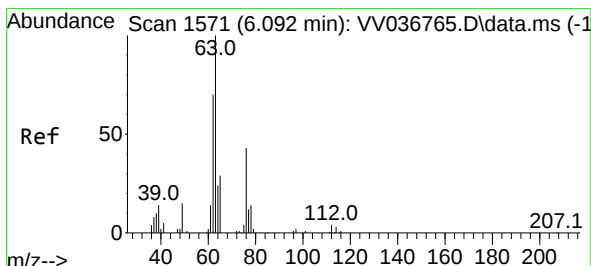
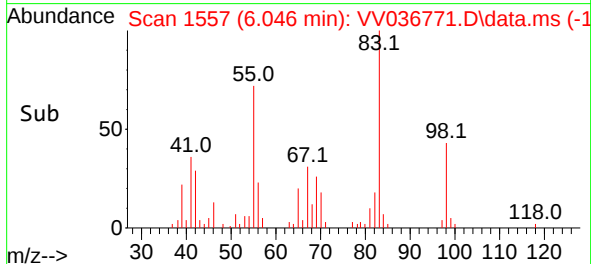
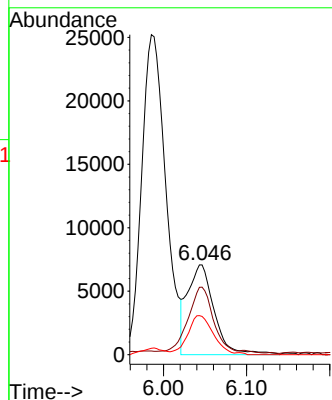
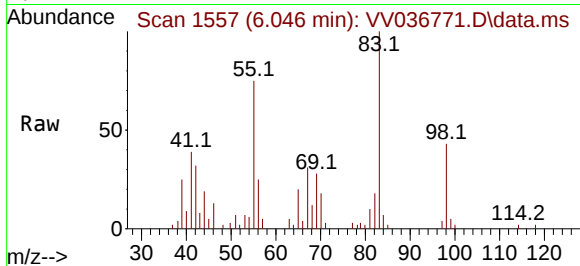
#35
Methylcyclohexane
Concen: 2.724 ug/L m
RT: 6.046 min Scan# 1577
Delta R.T. 0.003 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

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

Tgt Ion: 83 Resp: 1577
Ion Ratio Lower Upper
83 100
55 0.4 62.3 93.5
98 6.0 38.7 58.1

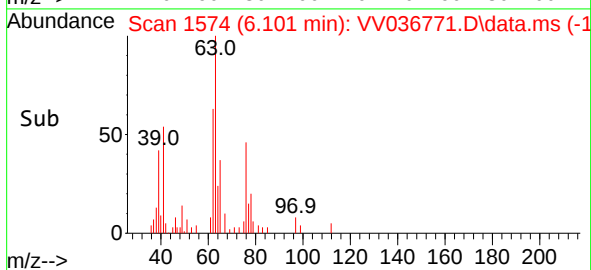
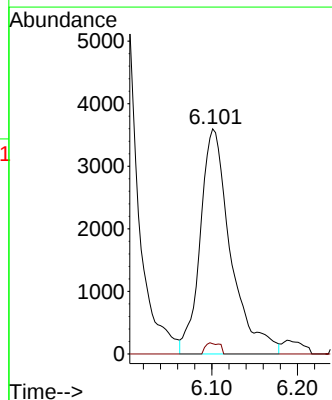
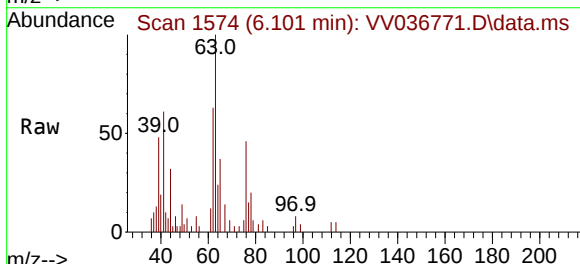
Manual Integrations
APPROVED

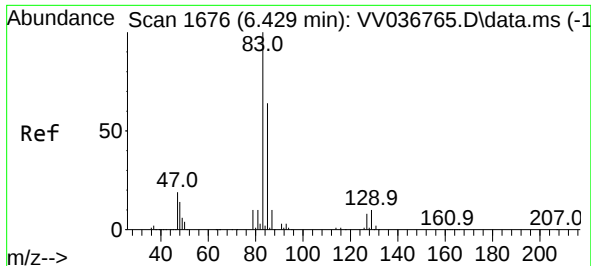
Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024



#37
1,2-Dichloropropane
Concen: 2.570 ug/L m
RT: 6.101 min Scan# 1574
Delta R.T. 0.010 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

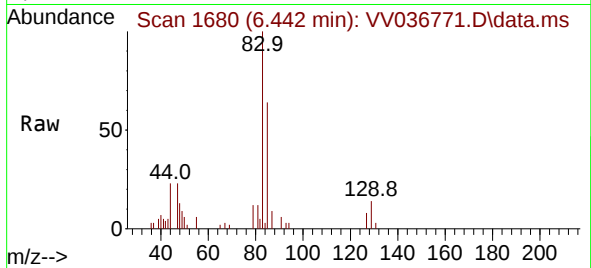
Tgt Ion: 63 Resp: 8867
Ion Ratio Lower Upper
63 100
112 1.6 3.6 5.4





#38
Bromodichloromethane
Concen: 2.249 ug/L
RT: 6.442 min Scan# 1068
Delta R.T. 0.013 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

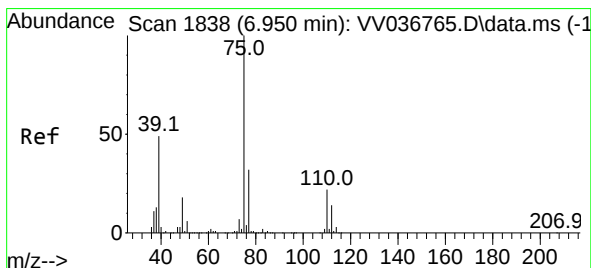
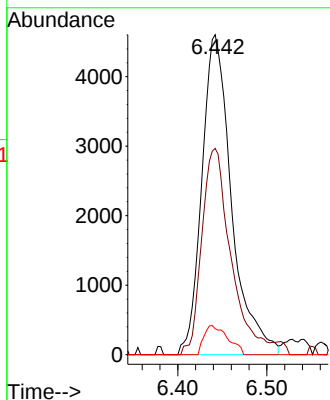
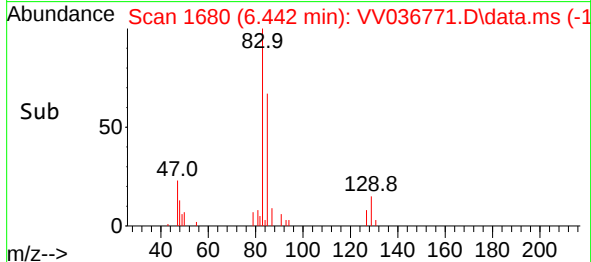
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2024-05



Tgt Ion: 83 Resp: 1068
Ion Ratio Lower Upper
83 100
85 64.4 44.7 83.1
127 8.1 6.2 9.4

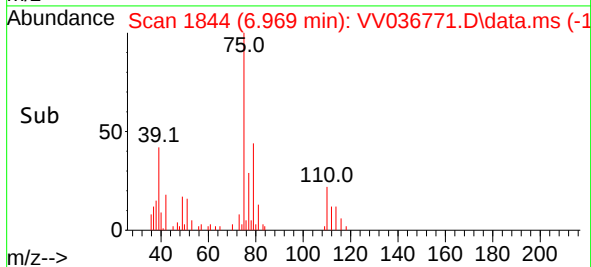
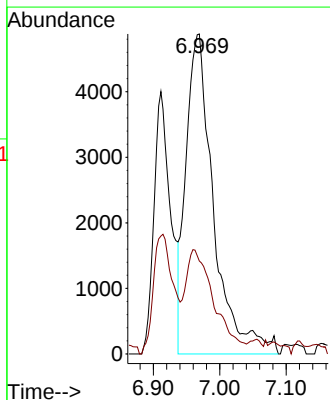
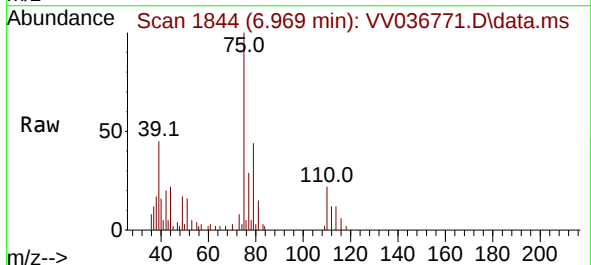
Manual Integrations
APPROVED

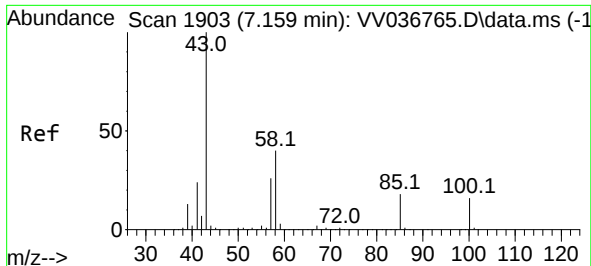
Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024



#39
cis-1,3-Dichloropropene
Concen: 2.387 ug/L m
RT: 6.969 min Scan# 1844
Delta R.T. 0.019 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

Tgt Ion: 75 Resp: 14105
Ion Ratio Lower Upper
75 100
77 29.1 22.2 41.2





#40

4-Methyl-2-pentanone

Concen: 5.159 ug/L m

RT: 7.172 min Scan# 1903

Delta R.T. 0.013 min

Lab File: VV036771.D

Acq: 02 Aug 2024 19:37

Instrument :

MSVOA_V

ClientSampleId :

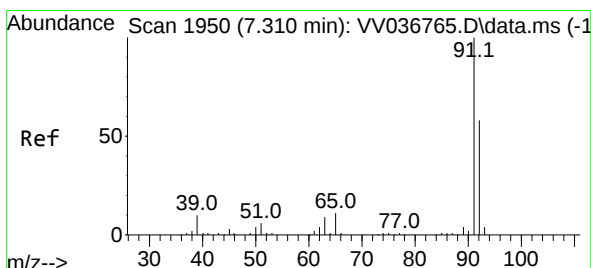
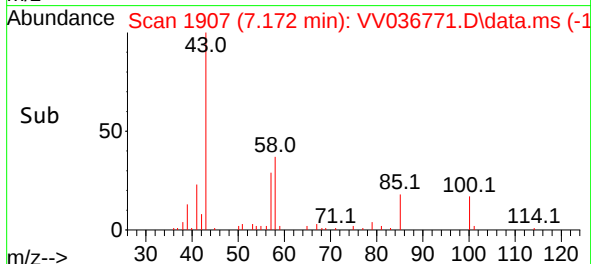
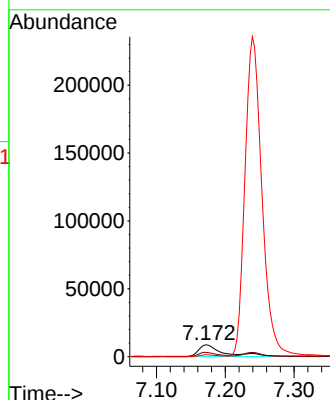
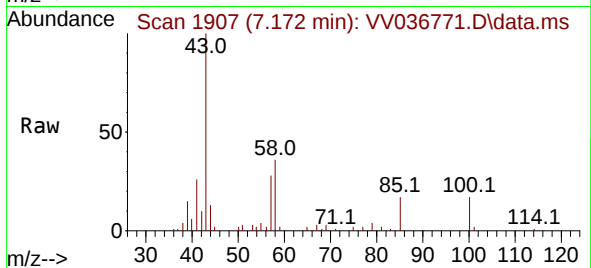
MDL-WATER-QT3-2024-05

Tgt Ion: 43	Resp: 22049
Ion Ratio	Lower Upper
43	100
58	28.6 31.3 46.9
100	12.0 12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024



#42

Toluene

Concen: 2.237 ug/L

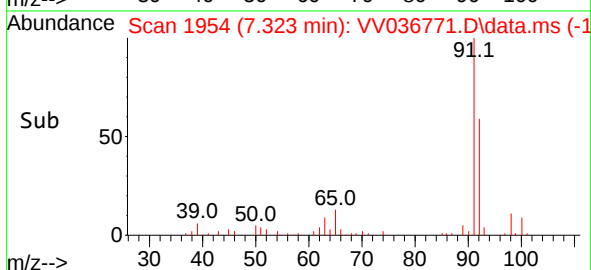
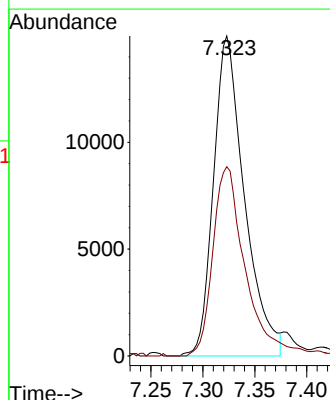
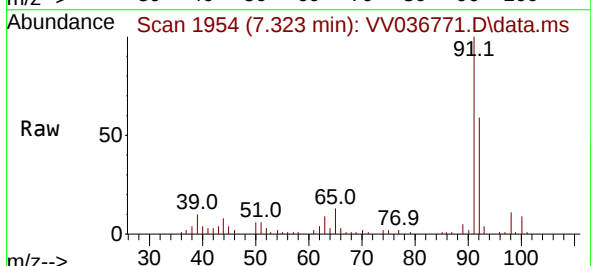
RT: 7.323 min Scan# 1954

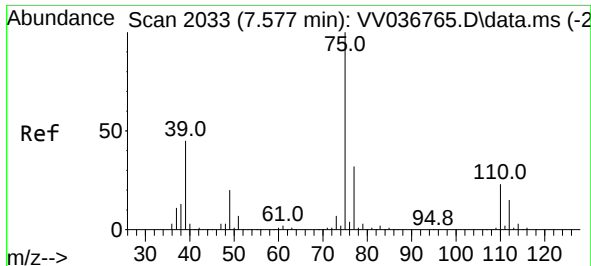
Delta R.T. 0.013 min

Lab File: VV036771.D

Acq: 02 Aug 2024 19:37

Tgt Ion: 91	Resp: 31036
Ion Ratio	Lower Upper
91	100
92	59.1 40.5 75.1





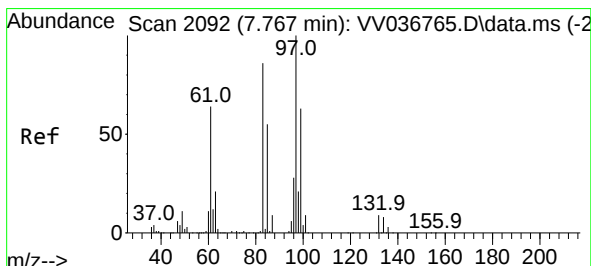
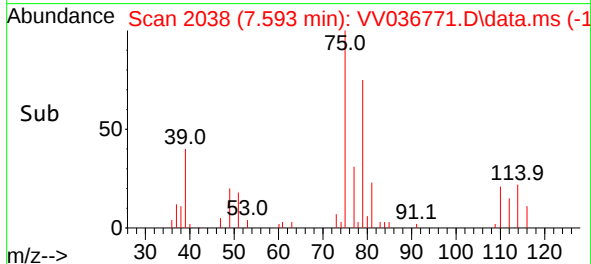
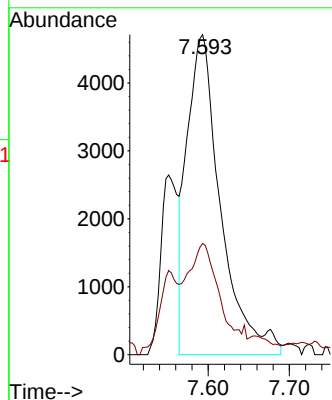
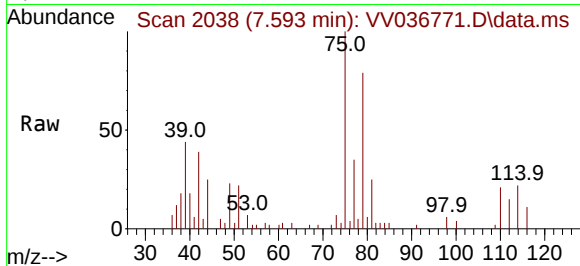
#44
trans-1,3-Dichloropropene
Concen: 2.469 ug/L m
RT: 7.593 min Scan# 2038
Delta R.T. 0.016 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

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

Tgt Ion: 75 Resp: 13594
Ion Ratio Lower Upper
75 100
77 34.8 22.4 41.6

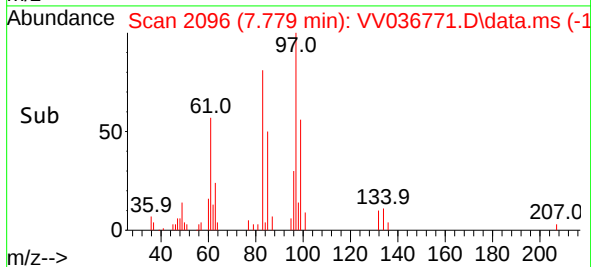
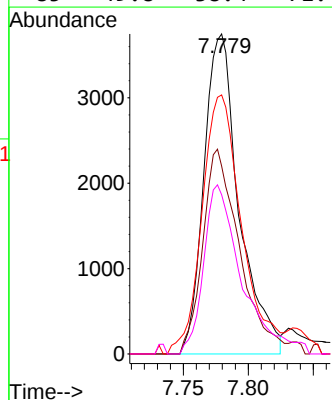
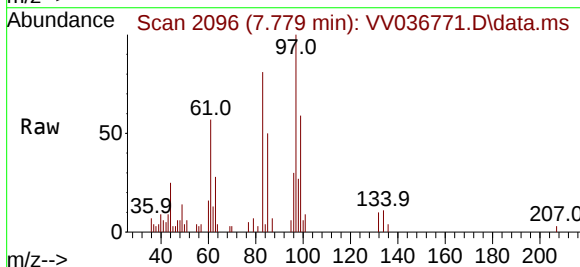
Manual Integrations
APPROVED

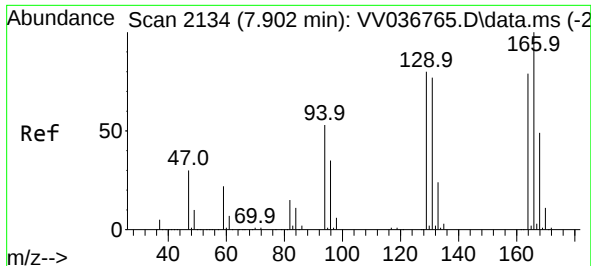
Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024



#45
1,1,2-Trichloroethane
Concen: 2.109 ug/L
RT: 7.779 min Scan# 2096
Delta R.T. 0.013 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

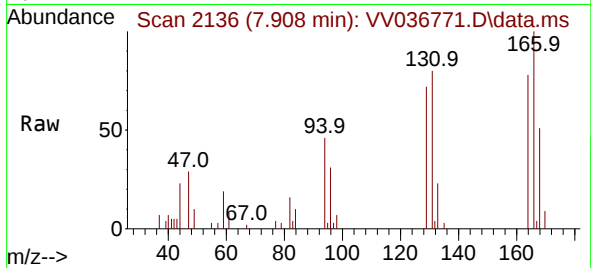
Tgt Ion: 97 Resp: 7047
Ion Ratio Lower Upper
97 100
99 58.7 44.0 81.6
83 81.0 60.1 111.5
85 49.8 38.4 71.4





#46
Tetrachloroethene
Concen: 2.570 ug/L
RT: 7.908 min Scan# 2134
Delta R.T. 0.006 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

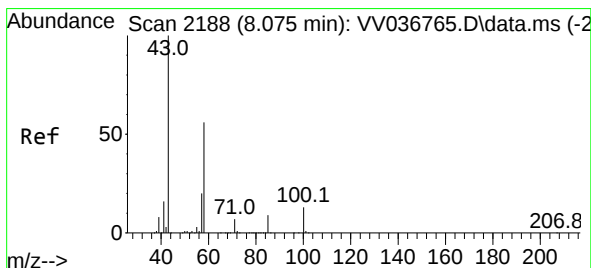
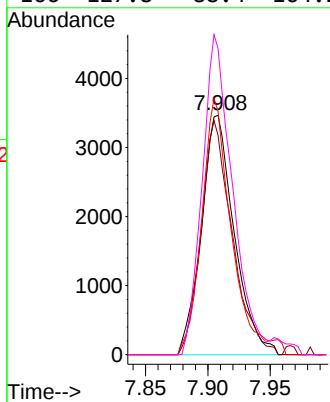
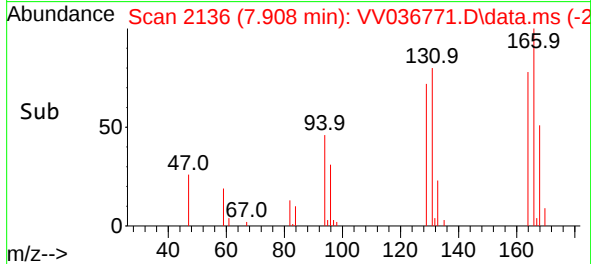
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT3-2024-05



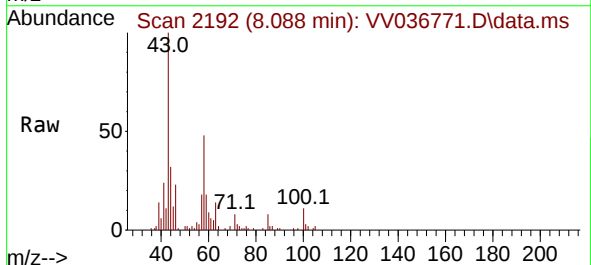
Tgt Ion	Ratio	Lower	Upper
164	100		
129	91.6	70.4	130.8
131	101.7	67.7	125.7
166	127.8	88.4	164.2

Manual Integrations
APPROVED

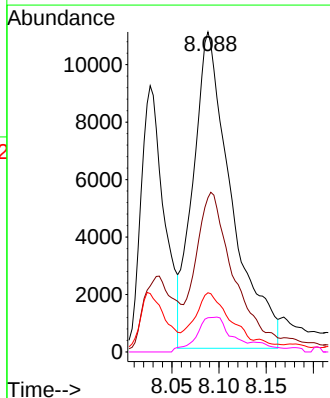
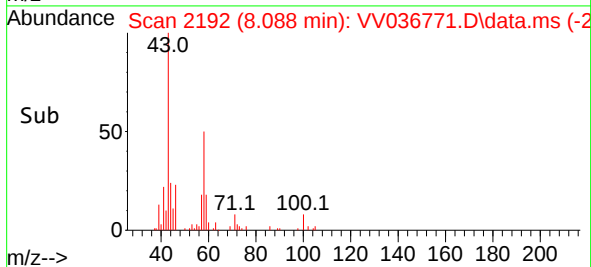
Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024

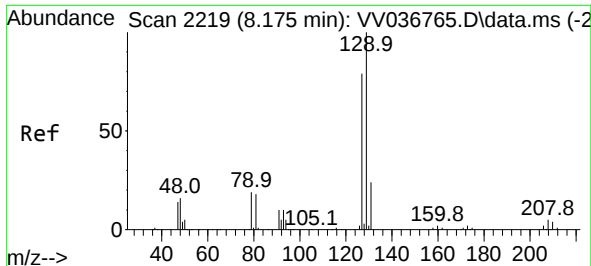


#48
2-Hexanone
Concen: 9.899 ug/L m
RT: 8.088 min Scan# 2192
Delta R.T. 0.013 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37



Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.0	44.7	67.1#
57	12.9	15.0	22.4#
100	0.3	10.2	15.4#





#49

Dibromochloromethane

Concen: 2.227 ug/L

RT: 8.178 min Scan# 2219

Delta R.T. 0.003 min

Lab File: VV036771.D

Acq: 02 Aug 2024 19:37

Instrument :

MSVOA_V

ClientSampleId :

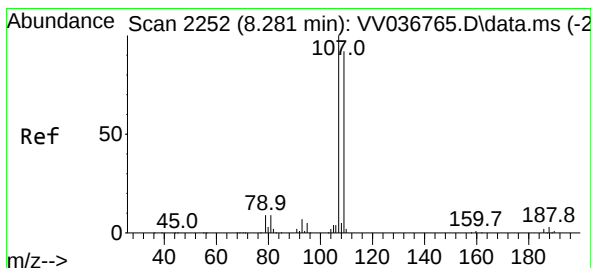
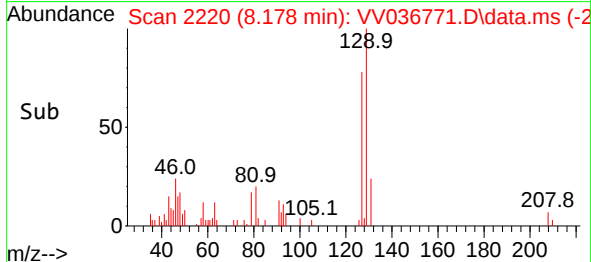
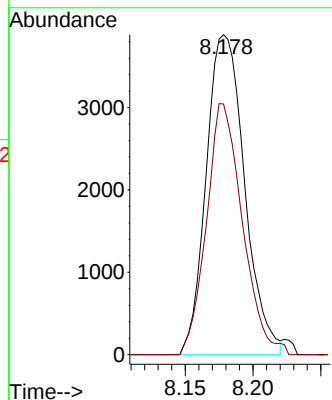
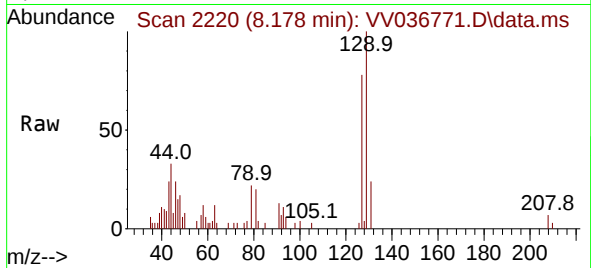
MDL-WATER-QT3-2024-05

Tgt Ion:129 Resp: 7640
 Ion Ratio Lower Upper
 129 100
 127 78.4 55.4 102.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/03/2024
 Supervised By :Mahesh Dadoda 08/05/2024



#50

1,2-Dibromoethane

Concen: 2.317 ug/L

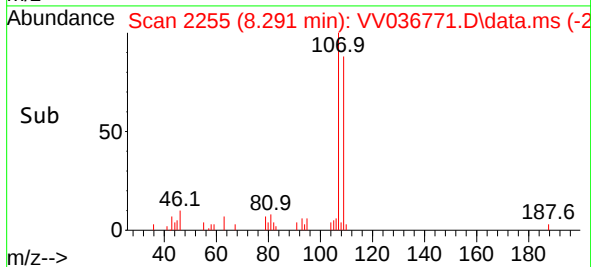
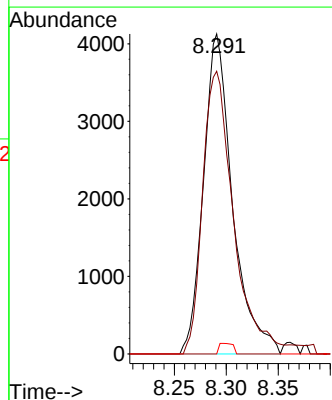
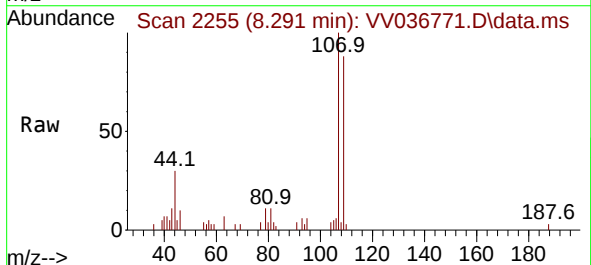
RT: 8.291 min Scan# 2255

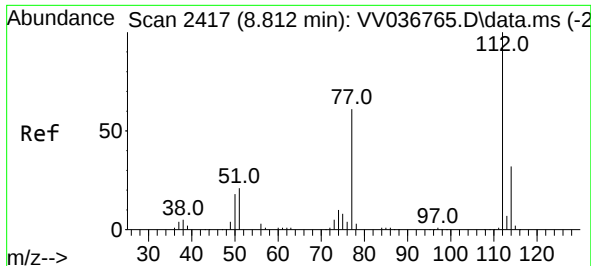
Delta R.T. 0.009 min

Lab File: VV036771.D

Acq: 02 Aug 2024 19:37

Tgt Ion:107 Resp: 8032
 Ion Ratio Lower Upper
 107 100
 109 88.4 64.7 120.1
 188 0.0 2.6 3.8





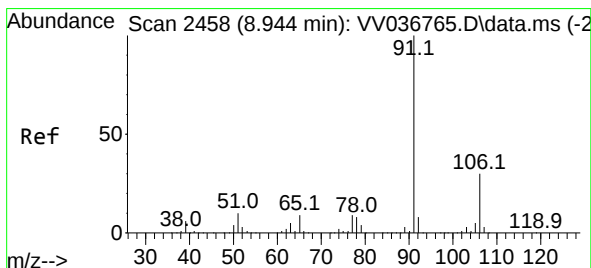
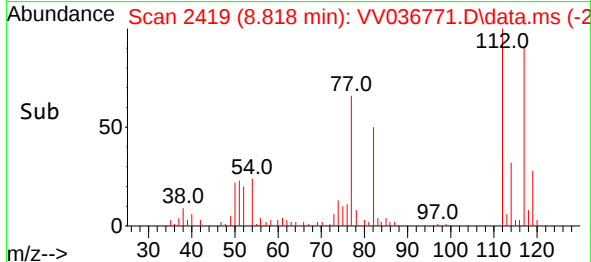
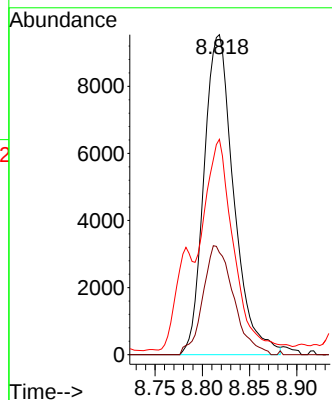
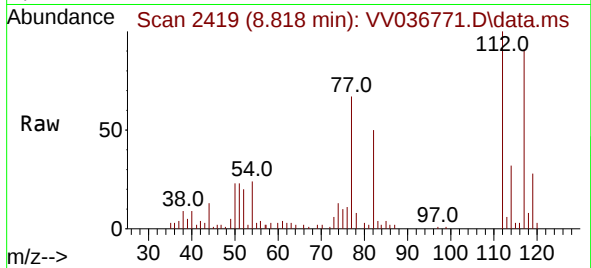
#51
Chlorobenzene
Concen: 2.348 ug/L
RT: 8.818 min Scan# 2417
Delta R.T. 0.006 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

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

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.5
77	67.3	48.9	73.3

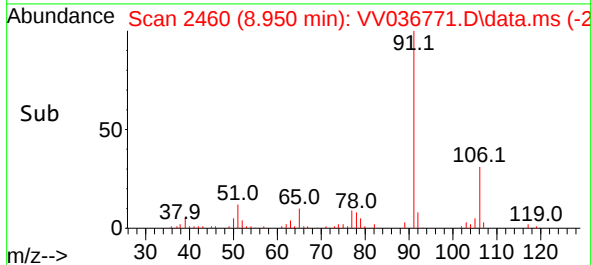
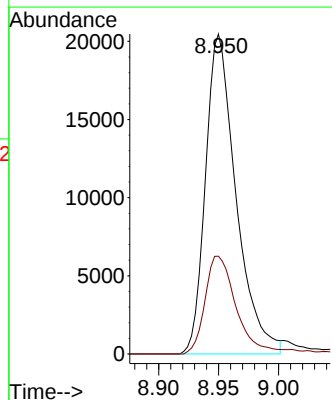
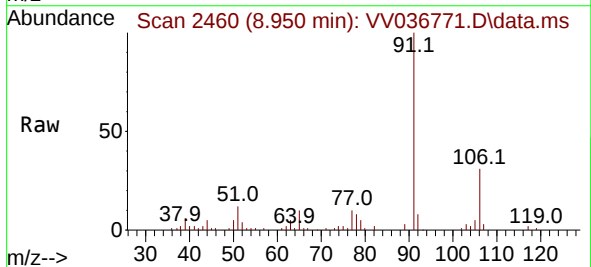
Manual Integrations
APPROVED

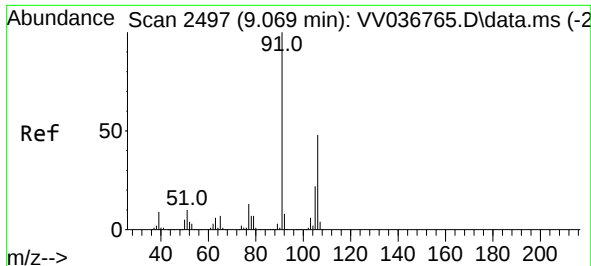
Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024



#52
Ethylbenzene
Concen: 2.289 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.006 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	21.1	39.1





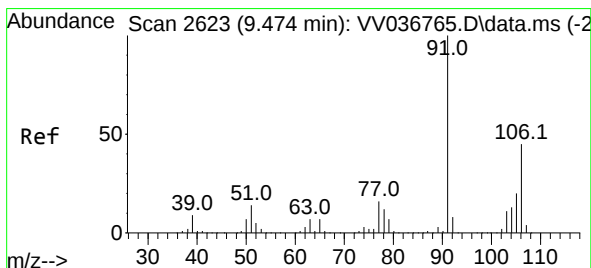
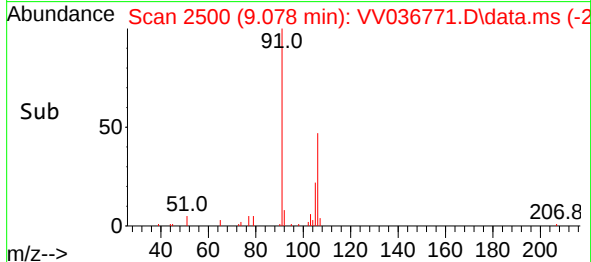
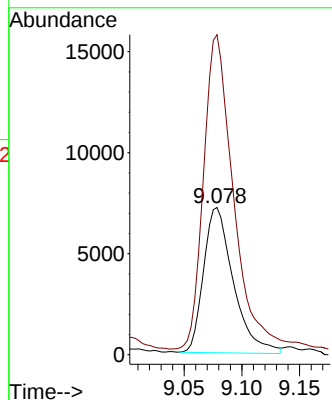
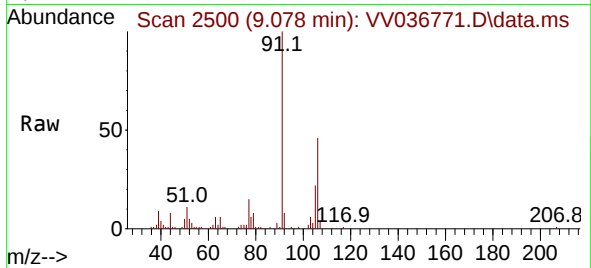
#53
m,p-Xylene
Concen: 2.183 ug/L
RT: 9.078 min Scan# 2192
Delta R.T. 0.010 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

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

Tgt Ion:106 Resp: 12927
Ion Ratio Lower Upper
106 100
91 217.3 147.1 273.3

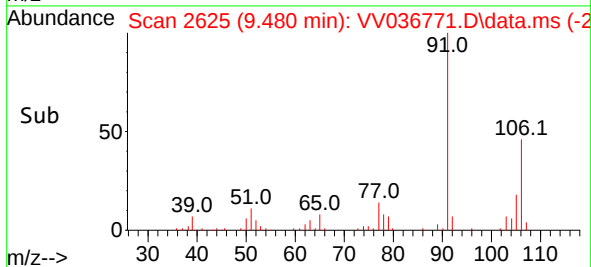
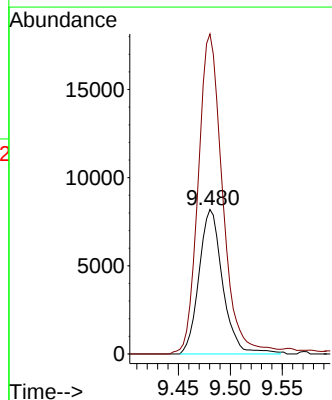
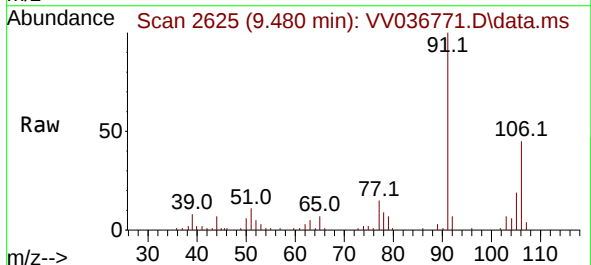
Manual Integrations
APPROVED

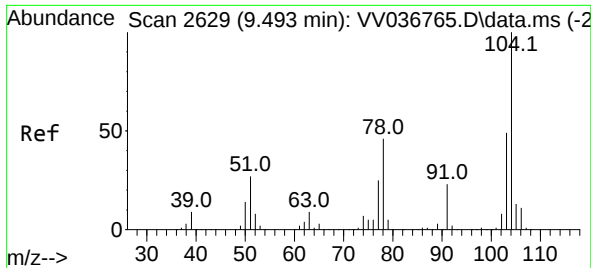
Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024



#54
o-Xylene
Concen: 2.245 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.006 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

Tgt Ion:106 Resp: 12998
Ion Ratio Lower Upper
106 100
91 221.4 154.5 286.9





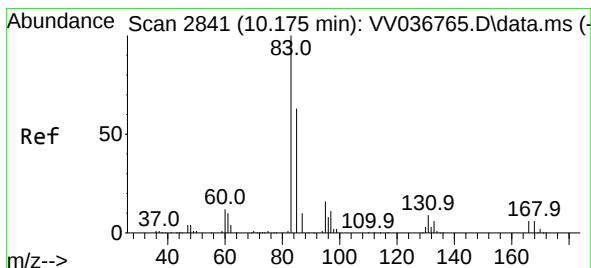
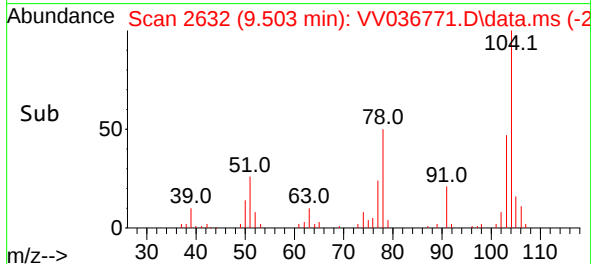
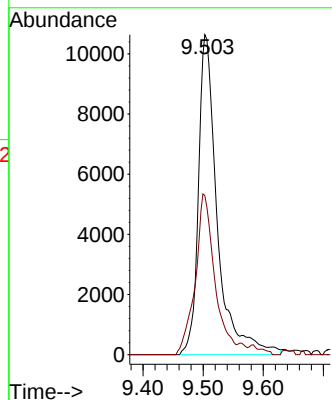
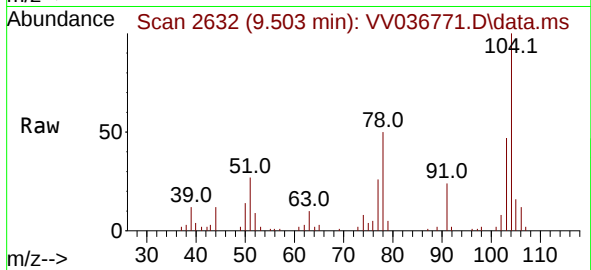
#55
Styrene
Concen: 2.331 ug/L m
RT: 9.503 min Scan# 2632
Delta R.T. 0.010 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

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

Tgt Ion:104 Resp: 2313
Ion Ratio Lower Upper
104 100
78 49.7 32.1 59.7

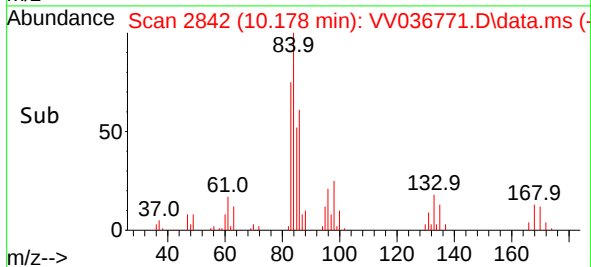
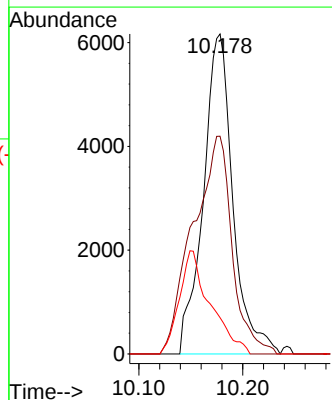
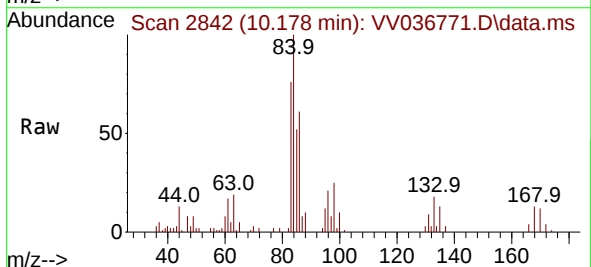
Manual Integrations
APPROVED

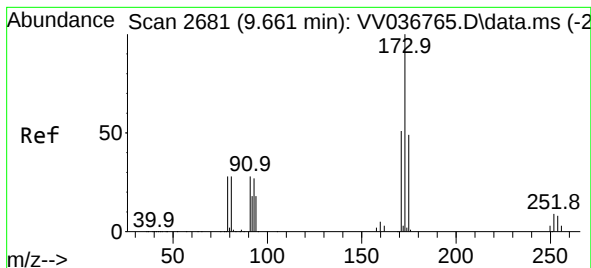
Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 2.701 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.003 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

Tgt Ion: 83 Resp: 12176
Ion Ratio Lower Upper
83 100
85 68.1 44.7 83.1
131 11.3 7.2 10.8#





#59

Bromoform

Concen: 2.002 ug/L

RT: 9.667 min Scan# 2

Delta R.T. 0.006 min

Lab File: VV036771.D

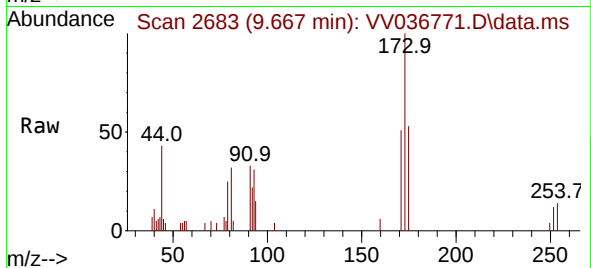
Acq: 02 Aug 2024 19:37

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2024-05

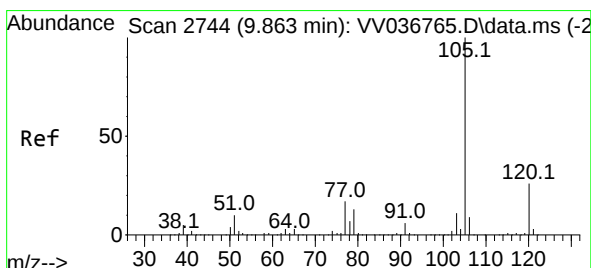
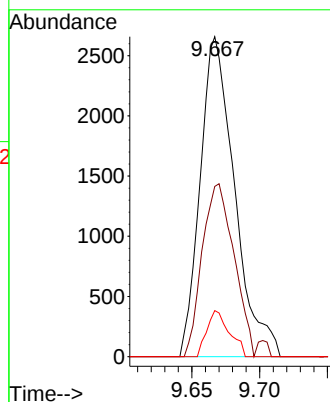
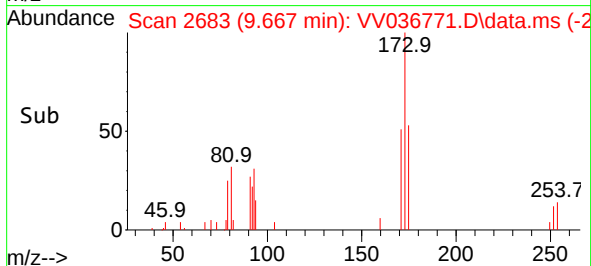


Tgt Ion:173	Resp:	469
Ion Ratio	Lower	Upper
173	100	
175	49.9	39.8 59.8
254	9.4	6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024



#60

Isopropylbenzene

Concen: 2.326 ug/L

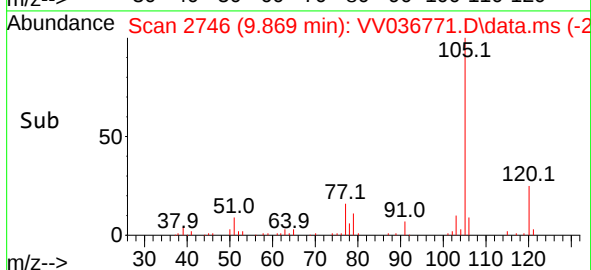
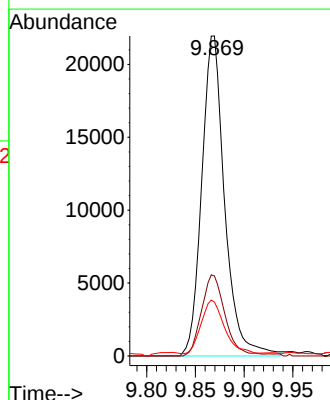
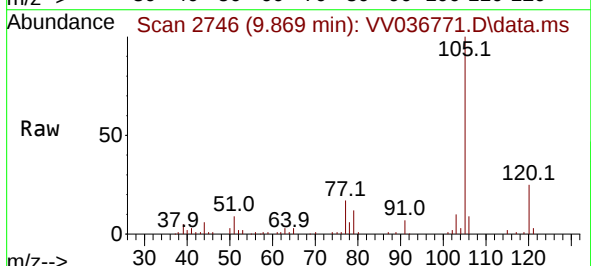
RT: 9.869 min Scan# 2746

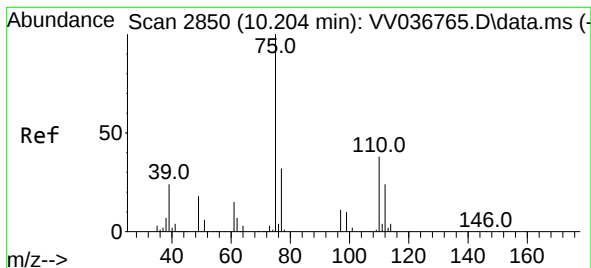
Delta R.T. 0.006 min

Lab File: VV036771.D

Acq: 02 Aug 2024 19:37

Tgt Ion:105	Resp:	35890
Ion Ratio	Lower	Upper
105	100	
120	25.6	20.3 30.5
77	16.8	13.1 19.7





#61

1,2,3-Trichloropropane

Concen: 2.357 ug/L

RT: 10.210 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV036771.D

Acq: 02 Aug 2024 19:37

Instrument :

MSVOA_V

ClientSampleId :

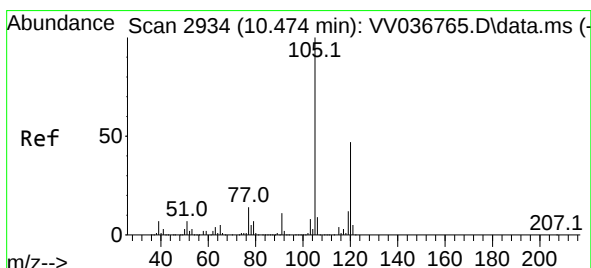
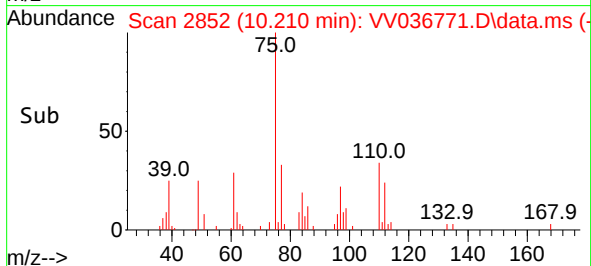
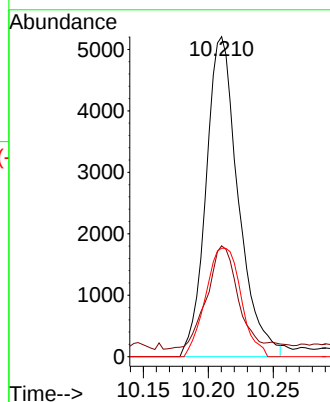
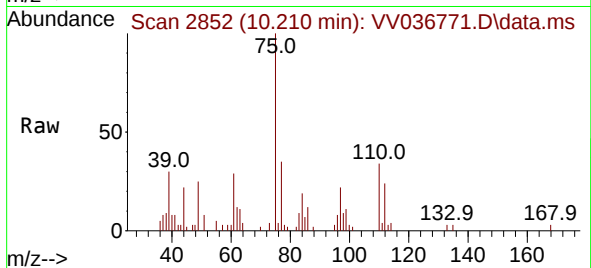
MDL-WATER-QT3-2024-05

Tgt Ion: 75	Resp: 899
Ion Ratio	Lower Upper
75 100	
77 30.9	26.2 39.2
110 37.0	31.3 46.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024



#62

1,3,5-Trimethylbenzene

Concen: 2.283 ug/L

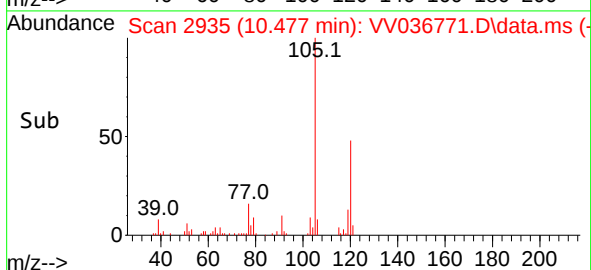
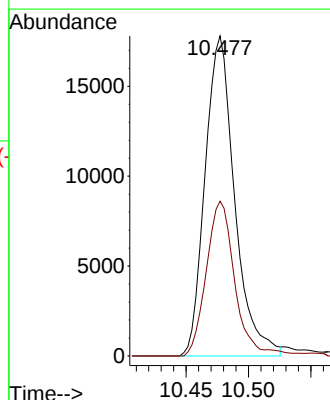
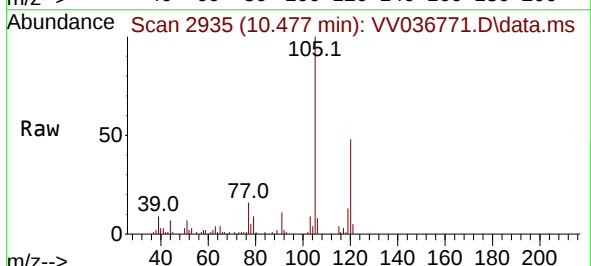
RT: 10.477 min Scan# 2935

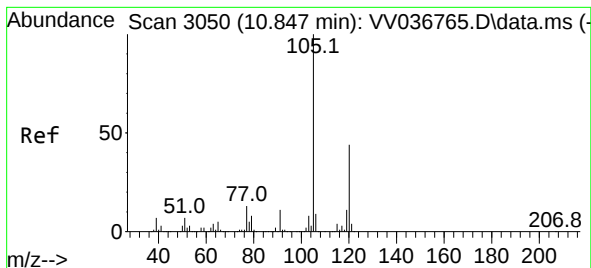
Delta R.T. 0.003 min

Lab File: VV036771.D

Acq: 02 Aug 2024 19:37

Tgt Ion:105	Resp: 29336
Ion Ratio	Lower Upper
105 100	
120 45.3	37.7 56.5





#63

1,2,4-Trimethylbenzene

Concen: 2.305 ug/L

RT: 10.853 min Scan# 3050

Delta R.T. 0.006 min

Lab File: VV036771.D

Acq: 02 Aug 2024 19:37

Instrument :

MSVOA_V

ClientSampleId :

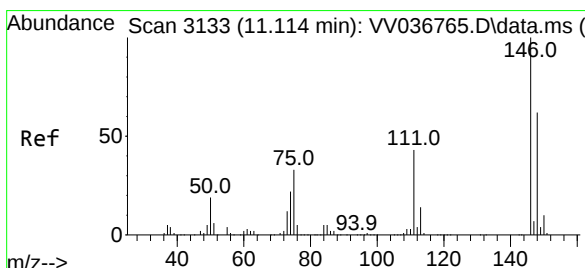
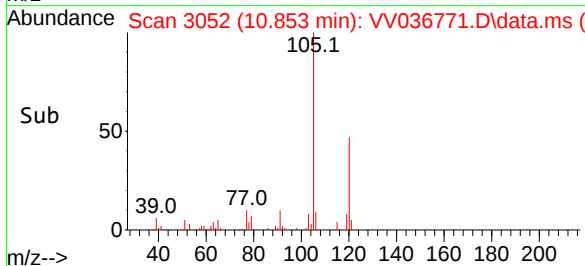
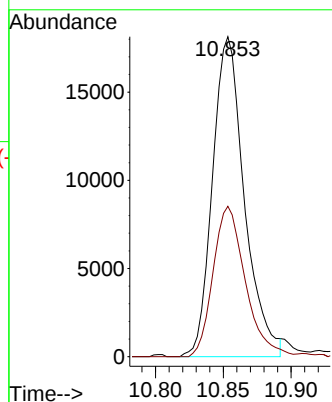
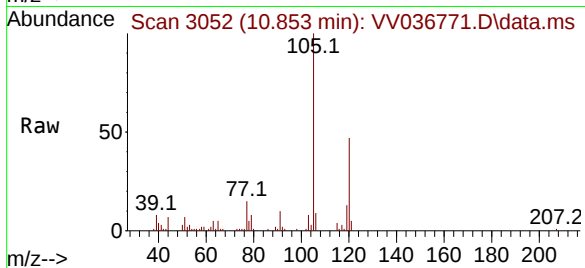
MDL-WATER-QT3-2024-05

Tgt Ion:105 Resp: 29644
 Ion Ratio Lower Upper
 105 100
 120 47.5 35.6 53.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/03/2024
 Supervised By :Mahesh Dadoda 08/05/2024



#64

1,3-Dichlorobenzene

Concen: 2.543 ug/L

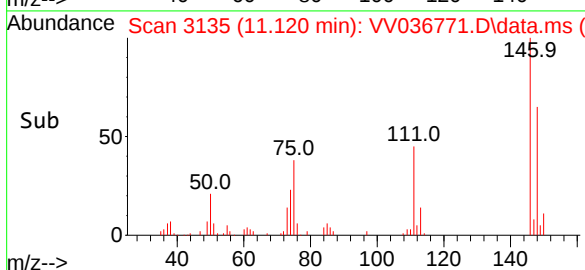
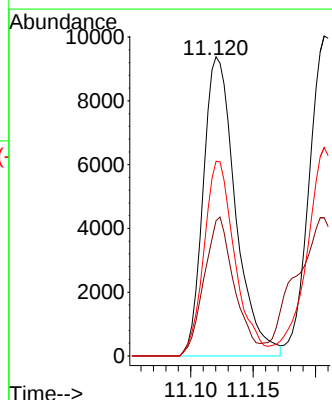
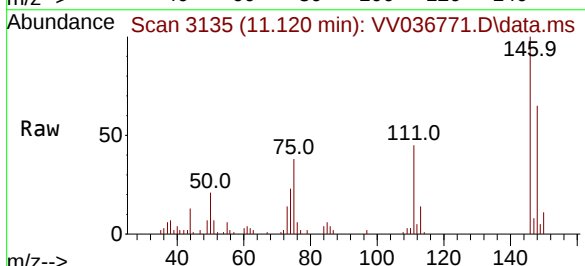
RT: 11.120 min Scan# 3135

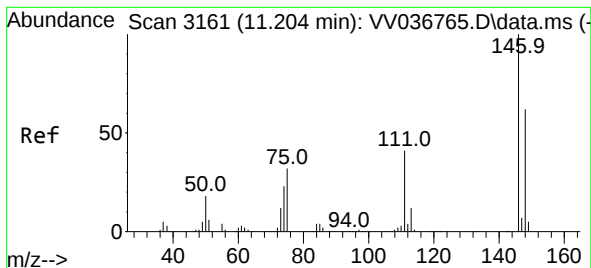
Delta R.T. 0.006 min

Lab File: VV036771.D

Acq: 02 Aug 2024 19:37

Tgt Ion:146 Resp: 16876
 Ion Ratio Lower Upper
 146 100
 111 45.2 29.8 55.4
 148 65.1 43.4 80.6





#65

1,4-Dichlorobenzene

Concen: 2.934 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV036771.D

Acq: 02 Aug 2024 19:37

Instrument :

MSVOA_V

ClientSampleId :

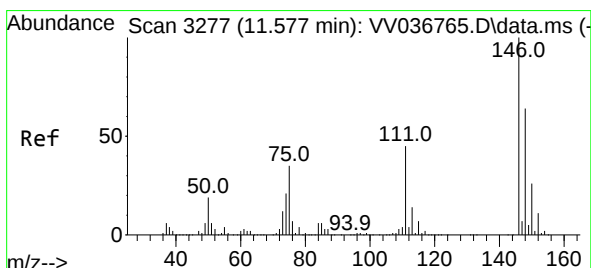
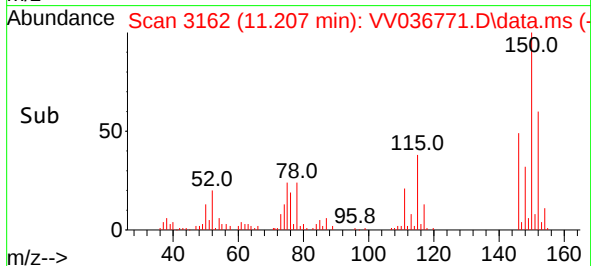
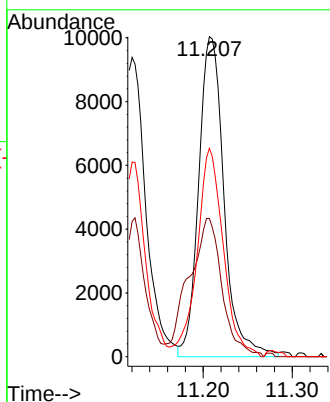
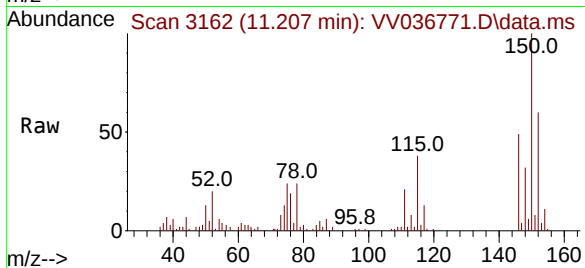
MDL-WATER-QT3-2024-05

Tgt Ion:146 Resp: 19790
 Ion Ratio Lower Upper
 146 100
 111 43.2 29.0 53.9
 148 65.2 43.8 81.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/03/2024
 Supervised By :Mahesh Dadoda 08/05/2024



#67

1,2-Dichlorobenzene

Concen: 2.604 ug/L

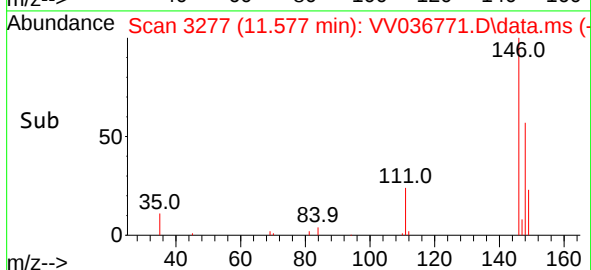
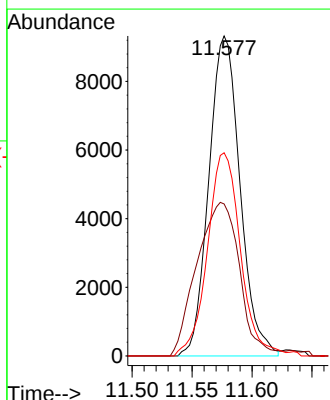
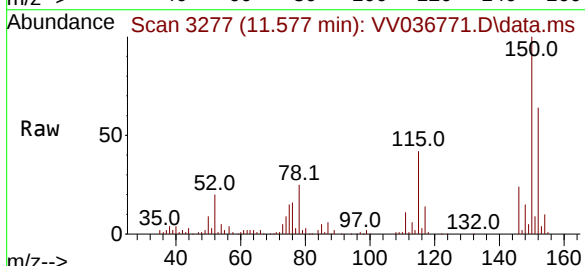
RT: 11.577 min Scan# 3277

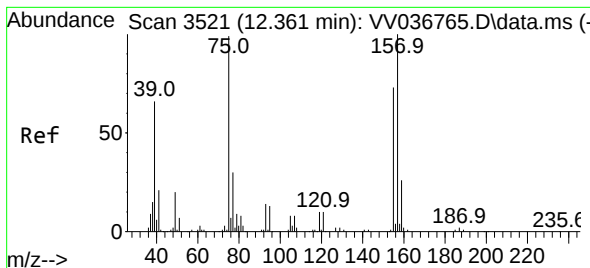
Delta R.T. -0.000 min

Lab File: VV036771.D

Acq: 02 Aug 2024 19:37

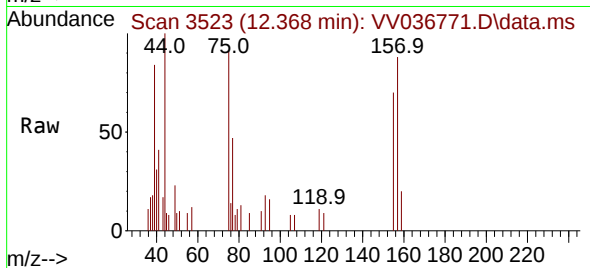
Tgt Ion:146 Resp: 16878
 Ion Ratio Lower Upper
 146 100
 111 47.5 35.7 53.5
 148 63.5 51.2 76.8





#68
1,2-Dibromo-3-chloropropane
Concen: 2.060 ug/L
RT: 12.368 min Scan# 3521
Delta R.T. 0.006 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37

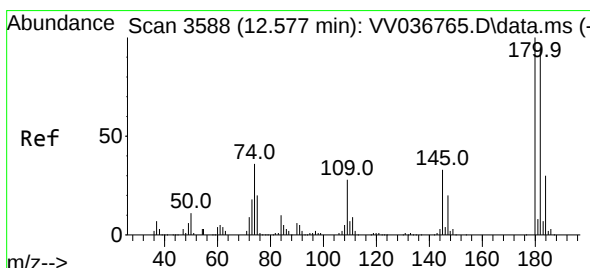
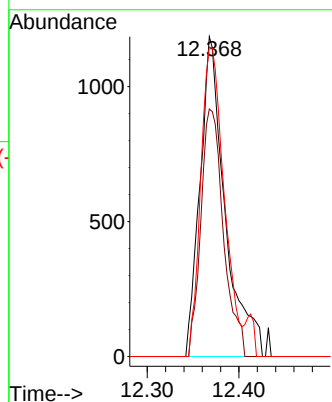
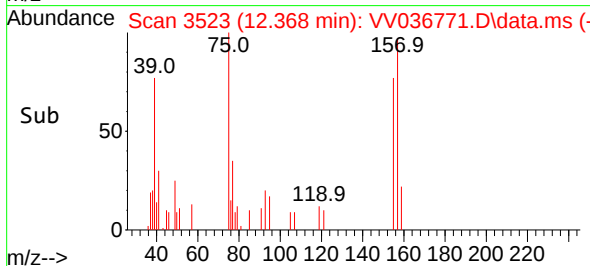
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT3-2024-05



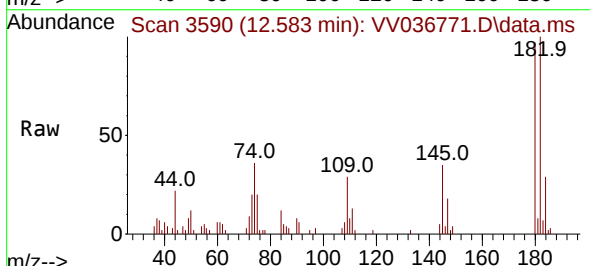
Tgt Ion: 75 Resp: 2272
Ion Ratio Lower Upper
75 100
155 77.4 59.5 89.3
157 96.8 81.0 121.4

Manual Integrations
APPROVED

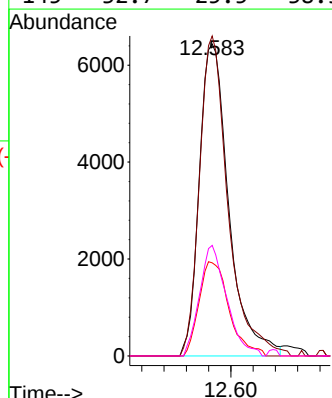
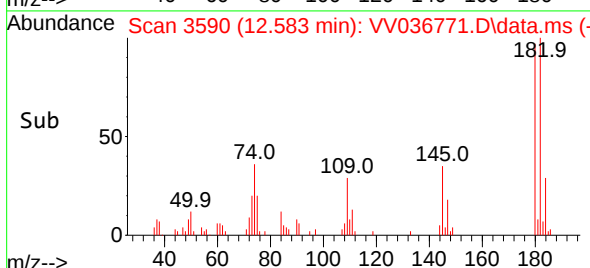
Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024

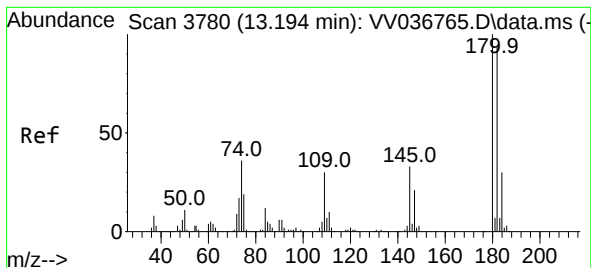


#69
1,3,5-Trichlorobenzene
Concen: 2.518 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.006 min
Lab File: VV036771.D
Acq: 02 Aug 2024 19:37



Tgt Ion:180 Resp: 11857
Ion Ratio Lower Upper
180 100
182 99.1 75.0 112.6
184 30.7 23.7 35.5
145 32.7 25.5 38.3





#70

1,2,4-trichlorobenzene

Concen: 2.608 ug/L

RT: 13.201 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV036771.D

Acq: 02 Aug 2024 19:37

Instrument :

MSVOA_V

ClientSampleId :

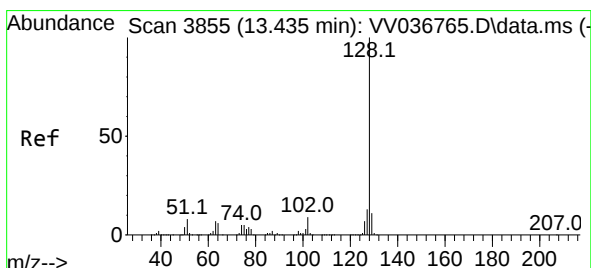
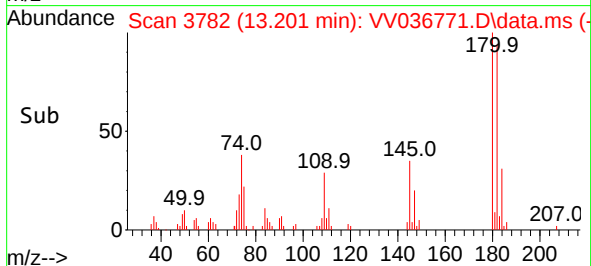
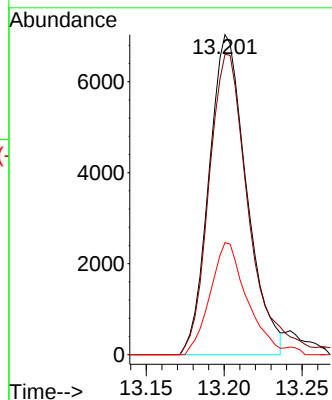
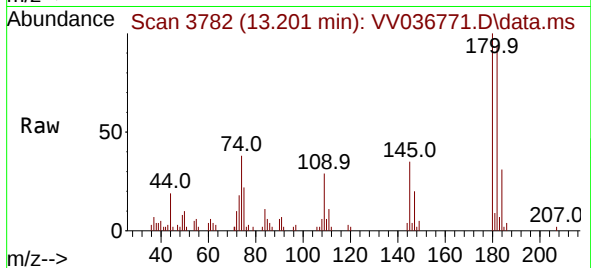
MDL-WATER-QT3-2024-05

Tgt Ion:180	Resp:	11780
Ion Ratio	Lower	Upper
180	100	
182	99.2	75.1 112.7
145	34.3	26.5 39.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024



#71

Naphthalene

Concen: 2.876 ug/L

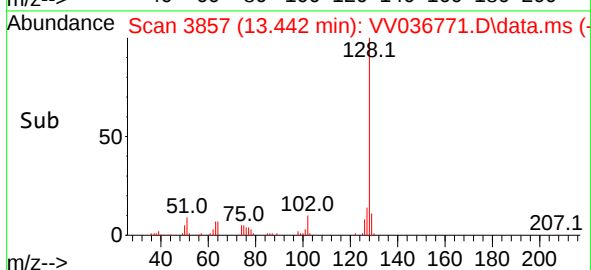
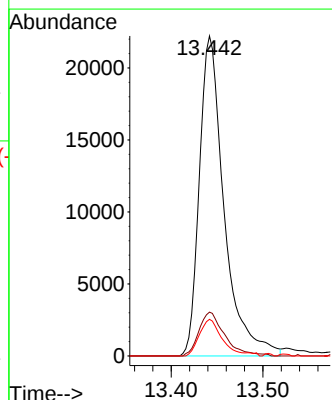
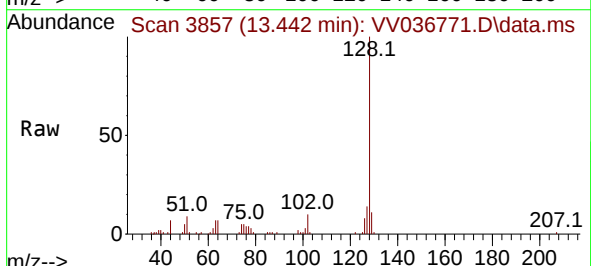
RT: 13.442 min Scan# 3857

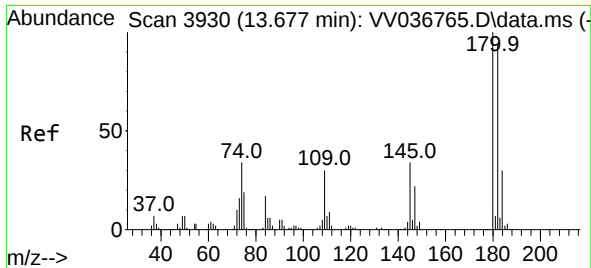
Delta R.T. 0.006 min

Lab File: VV036771.D

Acq: 02 Aug 2024 19:37

Tgt Ion:128	Resp:	41655
Ion Ratio	Lower	Upper
128	100	
127	14.1	10.5 15.7
129	10.3	8.7 13.1





#72

1,2,3-Trichlorobenzene

Concen: 2.590 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.003 min

Lab File: VV036771.D

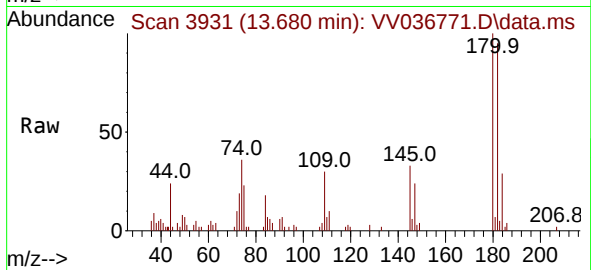
Acq: 02 Aug 2024 19:37

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2024-05



Tgt Ion:	180	Resp:	1145
Ion Ratio	Lower	Upper	
180	100		
182	94.5	76.2	114.2
145	33.0	27.8	41.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/03/2024
Supervised By :Mahesh Dadoda 08/05/2024

