

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120224\
 Data File : VV038393.D
 Acq On : 02 Dec 2024 17:01
 Operator : SY/MD
 Sample : P4776-01
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2024-07

Quant Time: Dec 02 21:38:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 02 21:19:32 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/03/2024
 Supervised By :Semsettin Yesilyurt 12/04/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	515054	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	517151	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	241665	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	188460	43.791	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.580%		
7) Chloroethane-d5	1.529	69	156142	43.061	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.120%		
11) 1,1-Dichloroethene-d2	2.053	65	83629	45.835	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.680%		
21) 2-Butanone-d5	3.786	46	194850	95.139	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.140%		
24) Chloroform-d	4.239	84	355496	45.401	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.800%		
26) 1,2-Dichloroethane-d4	4.931	65	218083	47.178	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.360%		
32) Benzene-d6	4.950	84	701959	47.111	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.220%		
36) 1,2-Dichloropropane-d6	5.979	67	225819	48.740	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.480%		
41) Toluene-d8	7.236	98	614060	45.566	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.140%		
43) trans-1,3-Dichloroprop...	7.548	79	97551	43.534	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.060%		
47) 2-Hexanone-d5	8.021	63	126484	89.395	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	89.400%		
56) 1,1,2,2-Tetrachloroeth...	10.143	84	294637	45.471	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.940%		
66) 1,2-Dichlorobenzene-d4	11.551	152	237480	50.826	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	11157	2.359	ug/L	95
3) Chloromethane	1.214	50	12297	2.506	ug/L	99
5) Vinyl chloride	1.281	62	12812	2.560	ug/L #	65
6) Bromomethane	1.484	94	8060	2.599	ug/L	86
8) Chloroethane	1.545	64	7796	2.462	ug/L	100
9) Trichlorofluoromethane	1.709	101	16243	2.461	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	11831	3.113	ug/L	88
12) 1,1-Dichloroethene	2.066	96	10996	3.038	ug/L #	1
13) Acetone	2.114	43	12681	4.489	ug/L	64
14) Carbon disulfide	2.236	76	30860	2.590	ug/L	98
15) Methyl Acetate	2.384	43	9541m	2.610	ug/L	
17) trans-1,2-Dichloroethene	2.696	96	9152	2.319	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	26340	2.310	ug/L	98
19) 1,1-Dichloroethane	3.108	63	17355	2.397	ug/L	96
20) cis-1,2-Dichloroethene	3.815	96	9368	2.257	ug/L	91
22) 2-Butanone	3.944	43	14413m	5.369	ug/L	
23) Bromochloromethane	4.149	128	5884m	2.608	ug/L	
27) 1,2-Dichloroethane	5.053	62	15062m	2.732	ug/L	
29) Cyclohexane	4.567	56	12127m	2.183	ug/L	

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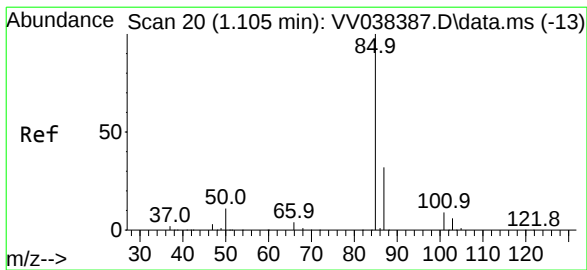
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120224WMA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.506	97	15980	2.445	ug/L	97
31) Carbon tetrachloride	4.728	117	13613	2.370	ug/L	95
33) Benzene	5.008	78	39363m	2.522	ug/L	
34) Trichloroethene	5.837	95	10401m	2.494	ug/L	
35) Methylcyclohexane	6.037	83	14606m	2.439	ug/L	
37) 1,2-Dichloropropane	6.098	63	8979	2.212	ug/L #	96
38) Bromodichloromethane	6.442	83	13288	2.359	ug/L	95
39) cis-1,3-Dichloropropene	6.956	75	15663m	2.487	ug/L	
40) 4-Methyl-2-pentanone	7.165	43	20394m	4.490	ug/L	
42) Toluene	7.320	91	38429	2.370	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	14698m	2.416	ug/L	
45) 1,1,2-Trichloroethane	7.773	97	10383	2.466	ug/L	97
46) Tetrachloroethene	7.902	164	7449	2.314	ug/L	98
48) 2-Hexanone	8.085	43	32128m	8.477	ug/L	
49) Dibromochloromethane	8.175	129	9981	2.298	ug/L	96
50) 1,2-Dibromoethane	8.288	107	10846	2.444	ug/L	98
51) Chlorobenzene	8.805	112	26564	2.384	ug/L	95
52) Ethylbenzene	8.947	91	35157	2.021	ug/L	98
53) m,p-Xylene	9.075	106	12398	1.881	ug/L	96
54) o-Xylene	9.480	106	12565	1.981	ug/L	85
55) Styrene	9.503	104	21286m	1.912	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.168	83	17531	2.680	ug/L #	94
59) Bromoform	9.667	173	6157	2.370	ug/L	97
60) Isopropylbenzene	9.863	105	31627	2.140	ug/L	98
61) 1,2,3-Trichloropropane	10.204	75	12049	2.864	ug/L	96
62) 1,3,5-Trimethylbenzene	10.471	105	23279	1.963	ug/L	98
63) 1,2,4-Trimethylbenzene	10.847	105	22465	1.927	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	18227	2.403	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	19672	2.439	ug/L	92
67) 1,2-Dichlorobenzene	11.570	146	20041	2.591	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.361	75	2862	2.581	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	12279	2.373	ug/L	96
70) 1,2,4-trichlorobenzene	13.201	180	9820	2.253	ug/L	96
71) Naphthalene	13.445	128	24553	2.078	ug/L #	89
72) 1,2,3-Trichlorobenzene	13.680	180	9226	2.157	ug/L	98

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



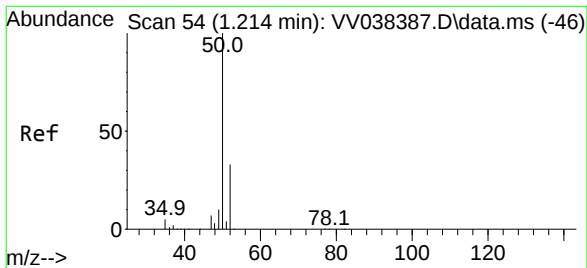
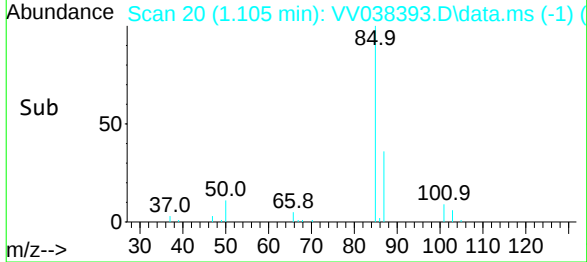
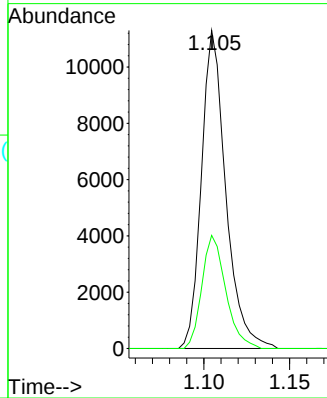
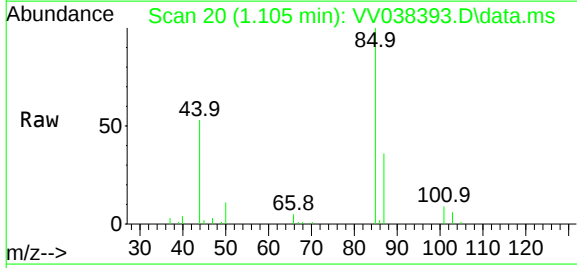
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Dichlorodifluoromethane
Concen: 2.359 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion: 85 Resp: 11157
Ion Ratio Lower Upper
85 100
87 34.8 25.8 38.6

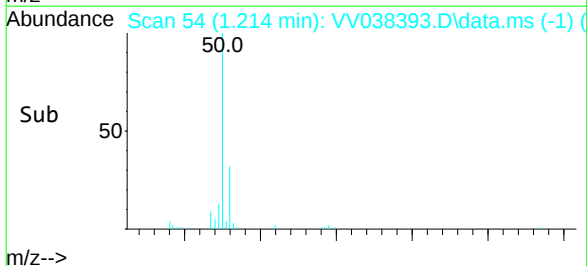
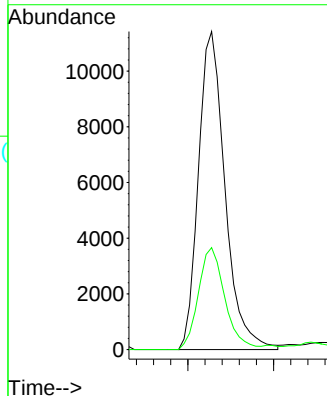
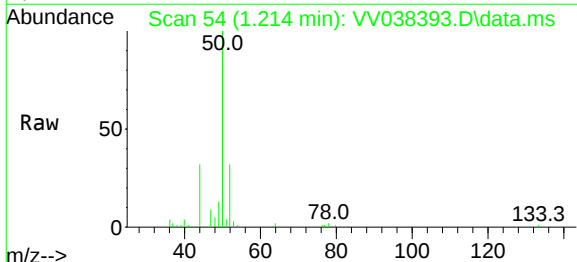
Manual Integrations
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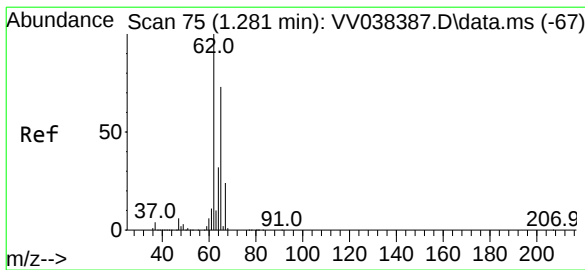
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#3
Chloromethane
Concen: 2.506 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

Tgt Ion: 50 Resp: 12297
Ion Ratio Lower Upper
50 100
52 32.1 22.7 42.3





#5

Vinyl chloride

Concen: 2.560 ug/L

RT: 1.281 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV038393.D

Acq: 02 Dec 2024 17:01

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2024-07

Tgt Ion: 62 Resp: 12812

Ion Ratio Lower Upper

62 100

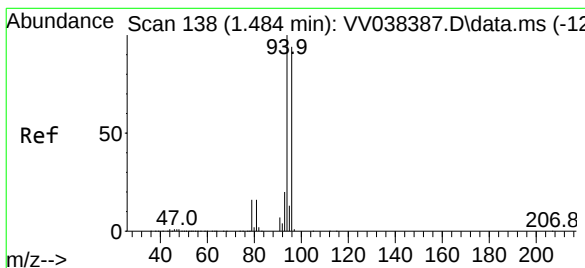
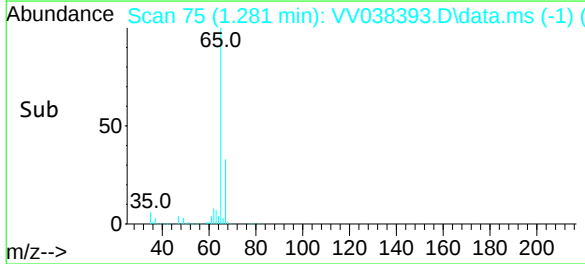
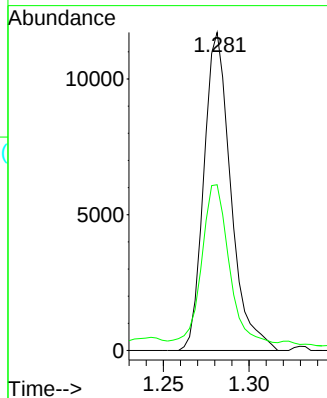
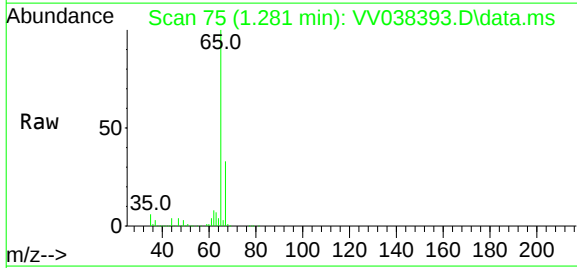
64 52.1 22.8 42.4#

Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/04/2024



#6

Bromomethane

Concen: 2.599 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV038393.D

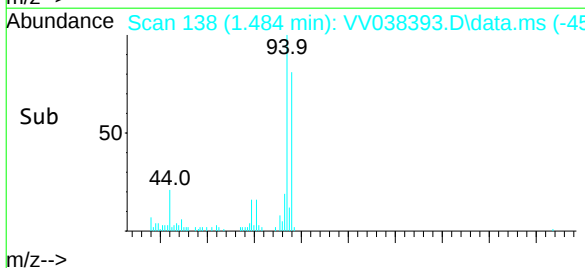
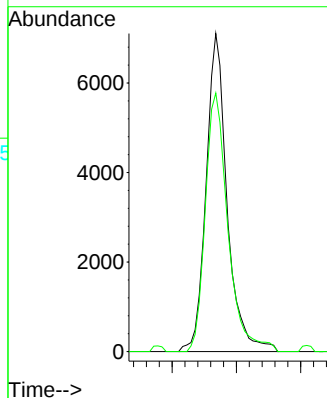
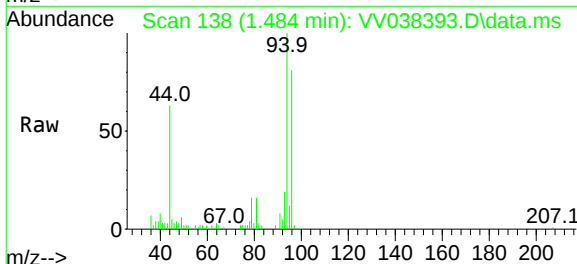
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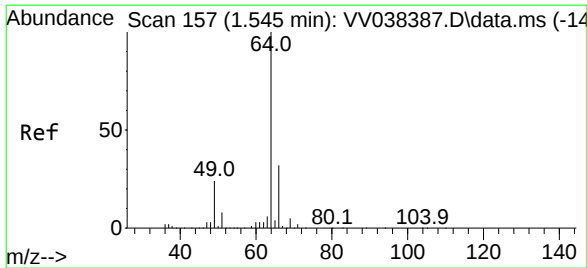
Tgt Ion: 94 Resp: 8060

Ion Ratio Lower Upper

94 100

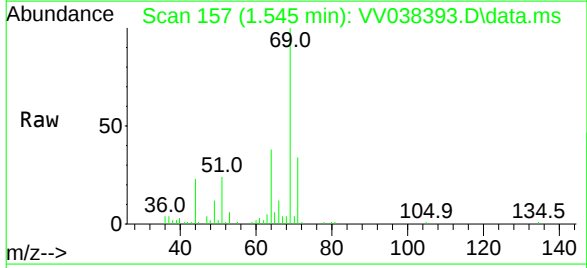
96 81.3 66.1 122.8





#8
Chloroethane
Concen: 2.462 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

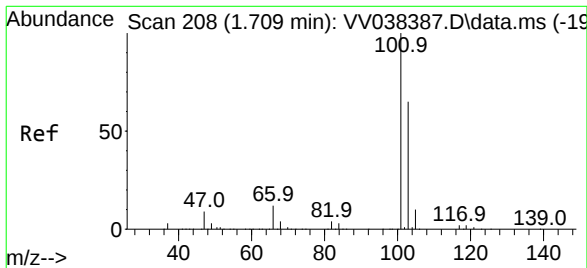
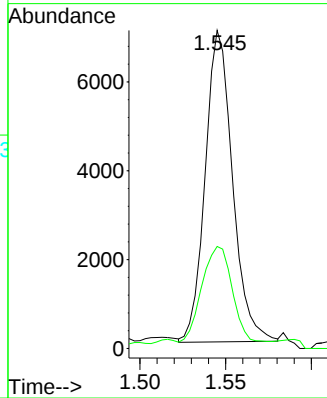
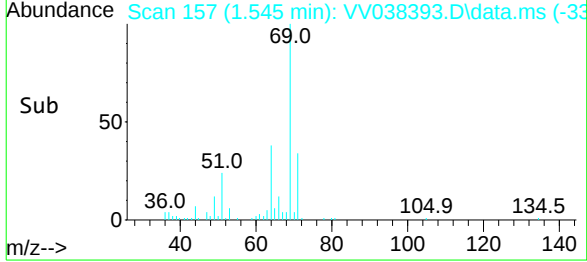
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion: 64 Resp: 7796
Ion Ratio Lower Upper
64 100
66 32.1 22.3 41.5

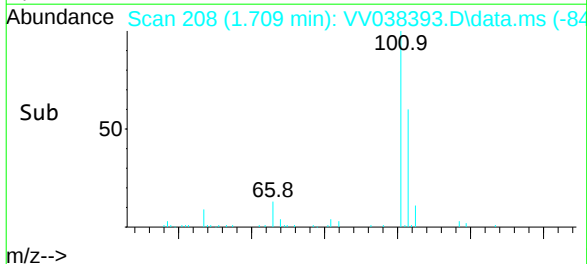
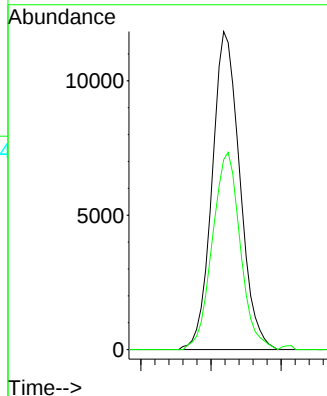
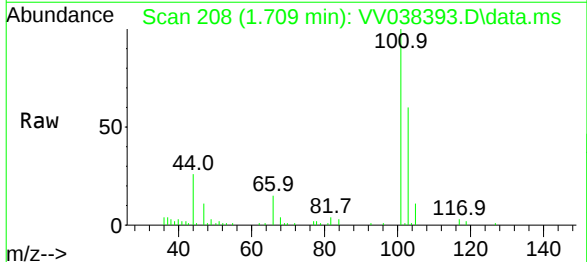
Manual Integrations
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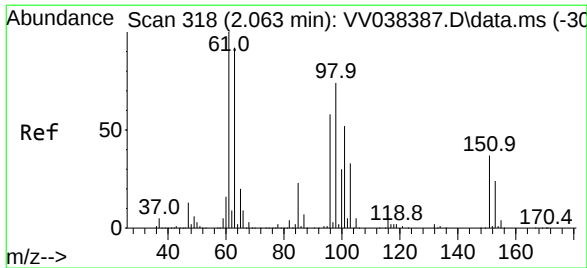
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#9
Trichlorofluoromethane
Concen: 2.461 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

Tgt Ion:101 Resp: 16243
Ion Ratio Lower Upper
101 100
103 62.5 51.7 77.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 3.113 ug/L

RT: 2.063 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV038393.D

Acq: 02 Dec 2024 17:01

Instrument :

MSVOA_V

ClientSampleId :

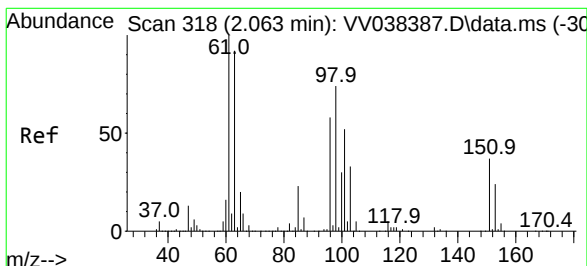
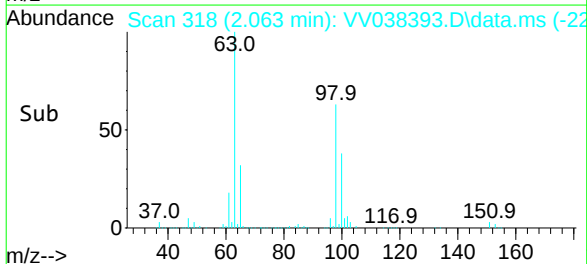
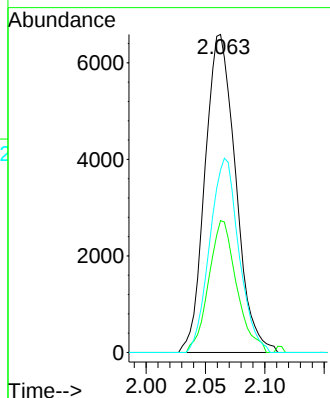
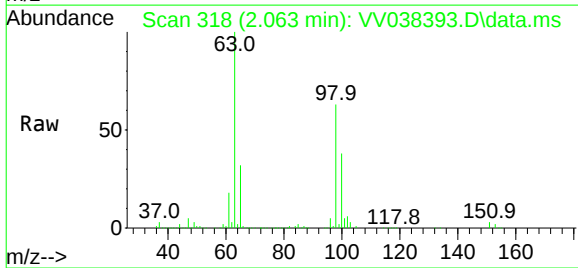
MDL-WATER-QT4-2024-07

Tgt Ion:	101	Resp:	11831
Ion Ratio	Lower	Upper	
101	100		
85	37.8	34.7	52.1
151	58.2	55.3	82.9

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 3.038 ug/L

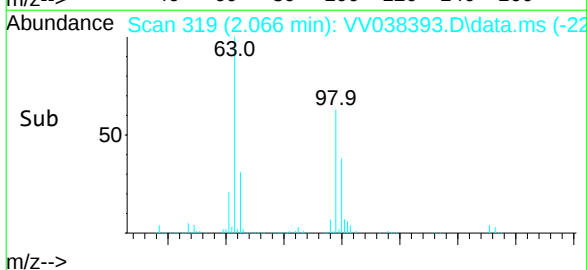
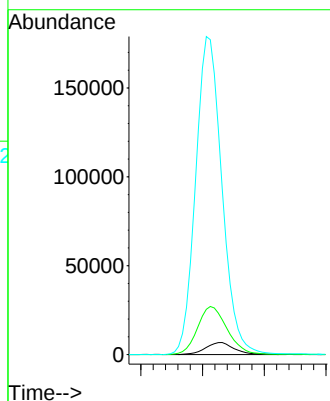
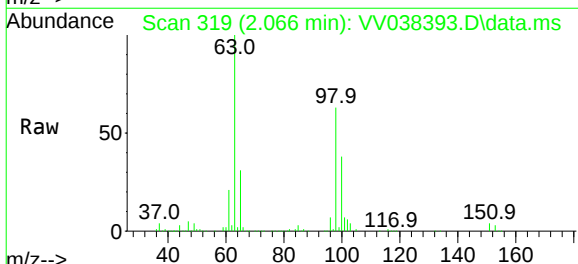
RT: 2.066 min Scan# 319

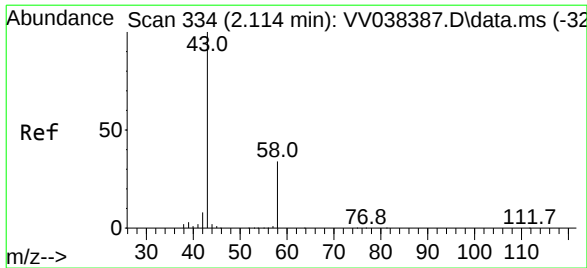
Delta R.T. 0.003 min

Lab File: VV038393.D

Acq: 02 Dec 2024 17:01

Tgt Ion:	96	Resp:	10996
Ion Ratio	Lower	Upper	
96	100		
61	289.4	120.9	224.5#
63	1377.7	110.9	205.9#





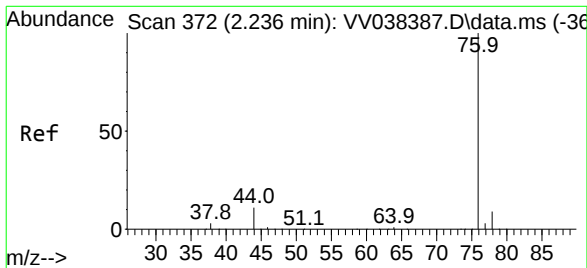
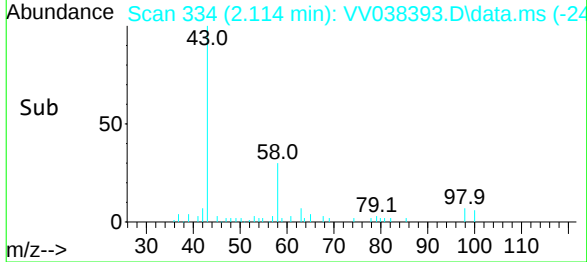
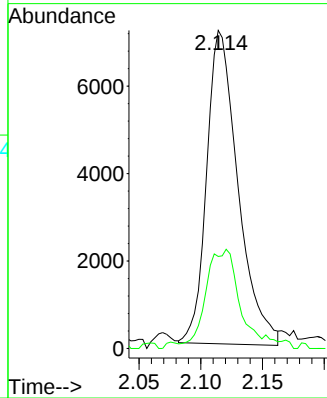
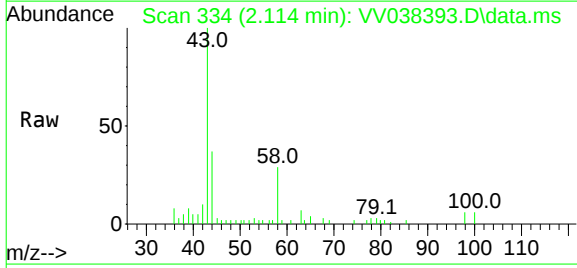
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Acetone
Concen: 4.489 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.000 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion: 43 Resp: 12681
Ion Ratio Lower Upper
43 100
58 13.1 0.0 67.2

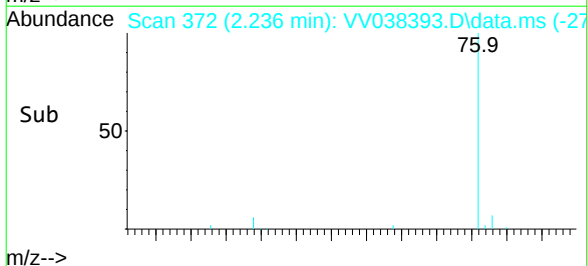
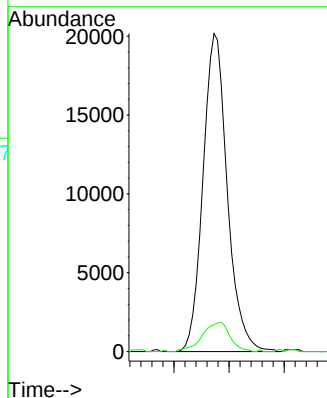
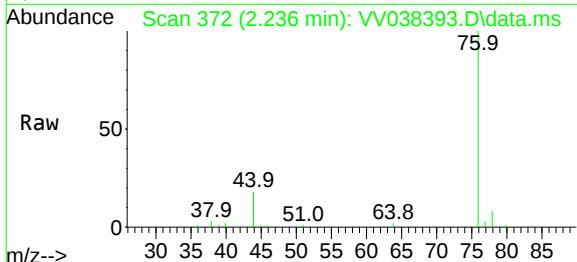
Manual Integrations
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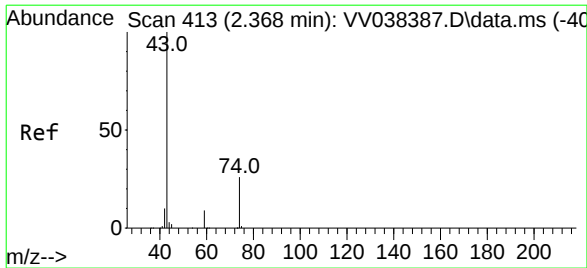
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#14
Carbon disulfide
Concen: 2.590 ug/L
RT: 2.236 min Scan# 372
Delta R.T. 0.000 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

Tgt Ion: 76 Resp: 30860
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0





#15

Methyl Acetate

Concen: 2.610 ug/L m

RT: 2.384 min Scan# 41

Delta R.T. 0.016 min

Lab File: VV038393.D

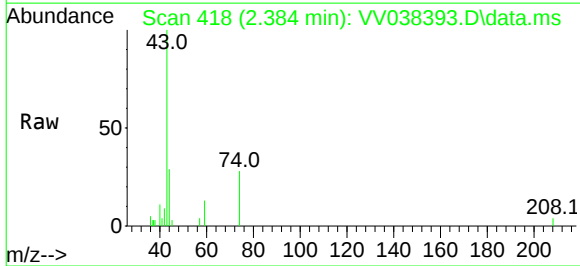
Acq: 02 Dec 2024 17:01

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2024-07



Tgt Ion: 43 Resp: 9541

Ion Ratio Lower Upper

43 100

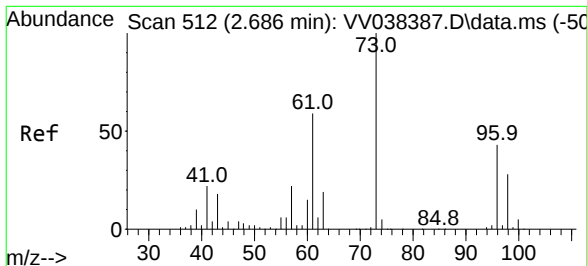
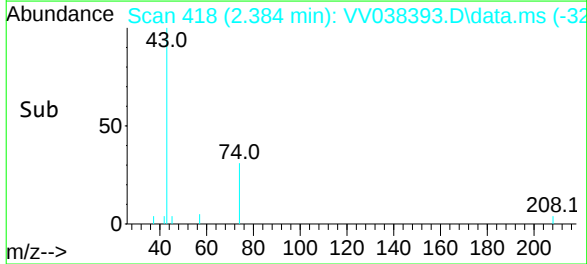
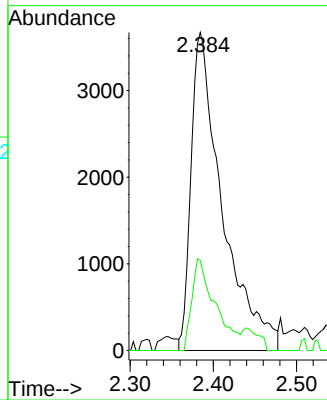
74 21.8 20.6 31.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/03/2024

Supervised By :Semsettin Yesilyurt 12/04/2024



#17

trans-1,2-Dichloroethene

Concen: 2.319 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.010 min

Lab File: VV038393.D

Acq: 02 Dec 2024 17:01

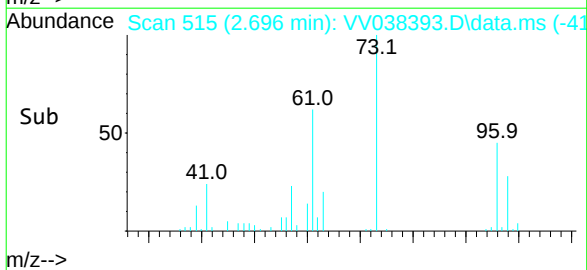
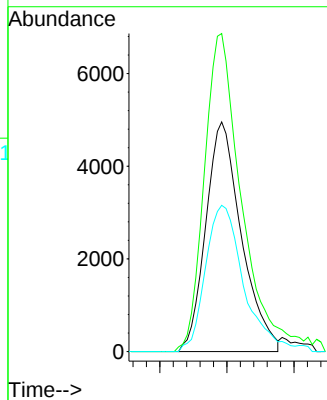
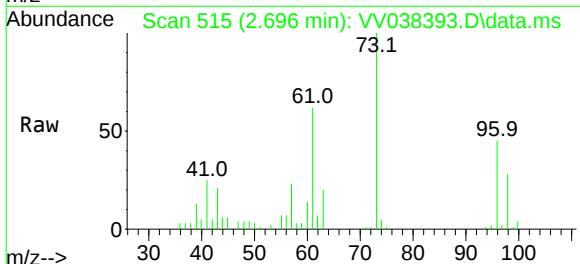
Tgt Ion: 96 Resp: 9152

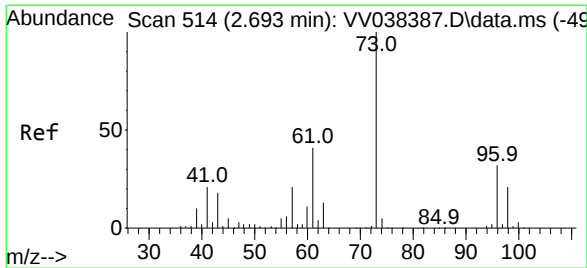
Ion Ratio Lower Upper

96 100

61 138.5 95.7 177.7

98 63.7 46.4 86.2





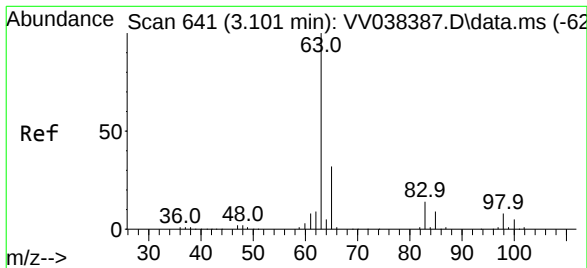
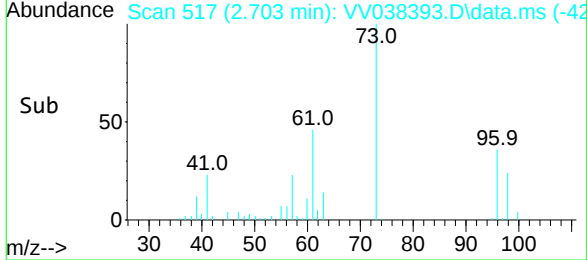
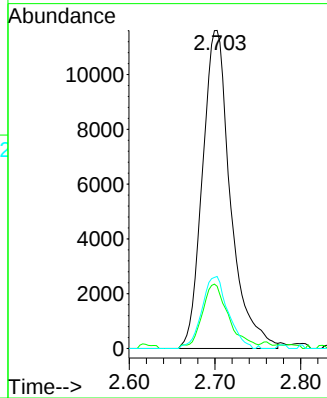
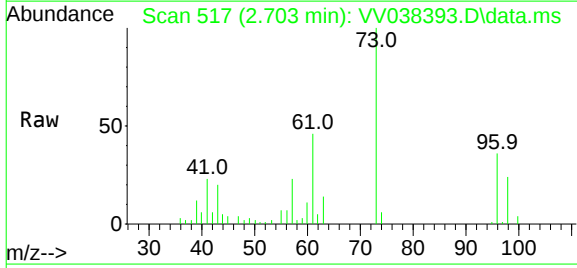
#18
Methyl tert-butyl Ether
Concen: 2.310 ug/L
RT: 2.703 min Scan# 51
Delta R.T. 0.010 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion: 73 Resp: 26340
Ion Ratio Lower Upper
73 100
43 19.0 14.7 22.1
57 21.1 17.7 26.5

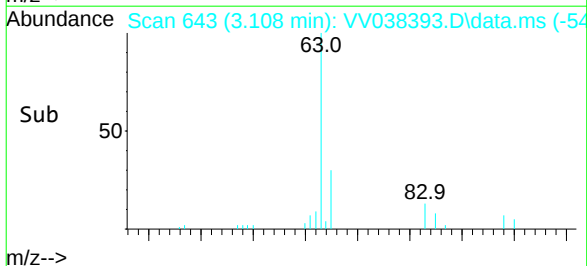
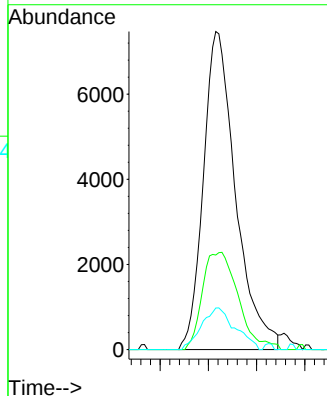
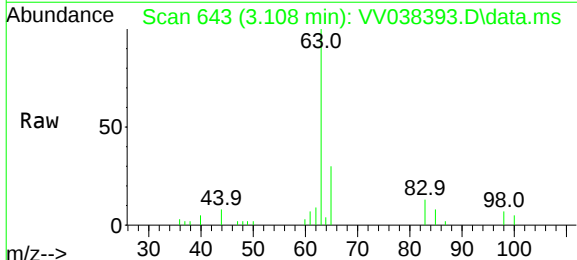
Manual Integrations
APPROVED

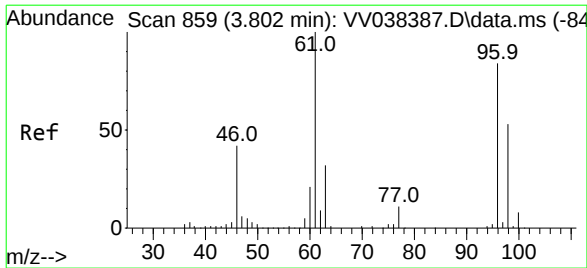
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#19
1,1-Dichloroethane
Concen: 2.397 ug/L
RT: 3.108 min Scan# 643
Delta R.T. 0.006 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

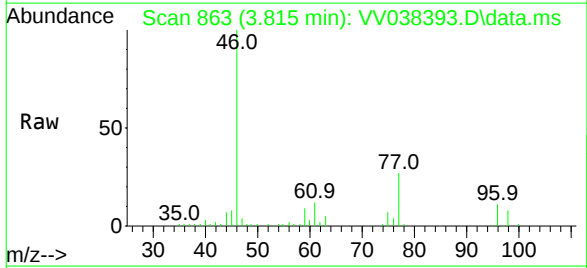
Tgt Ion: 63 Resp: 17355
Ion Ratio Lower Upper
63 100
65 29.7 22.6 42.0
83 13.1 9.8 18.2





#20
cis-1,2-Dichloroethene
Concen: 2.257 ug/L
RT: 3.815 min Scan# 86
Delta R.T. 0.013 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

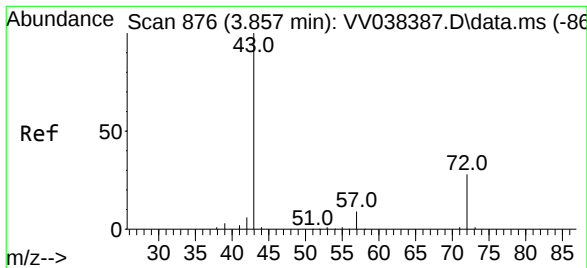
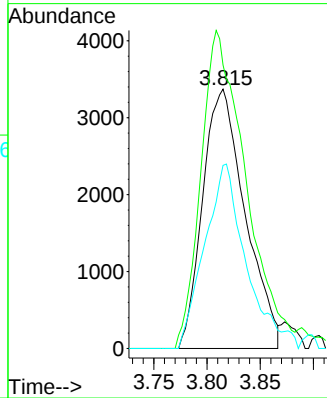
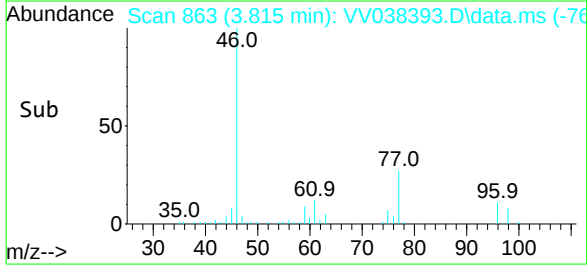
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07



Tgt Ion	Ratio	Lower	Upper
96	100		
61	109.3	83.5	155.1
98	70.6	44.6	82.8

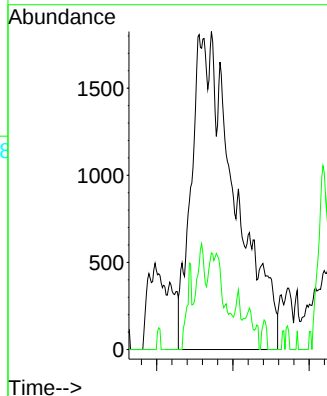
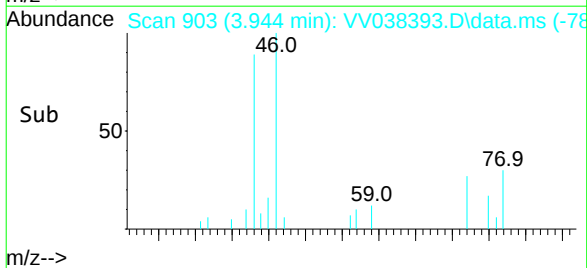
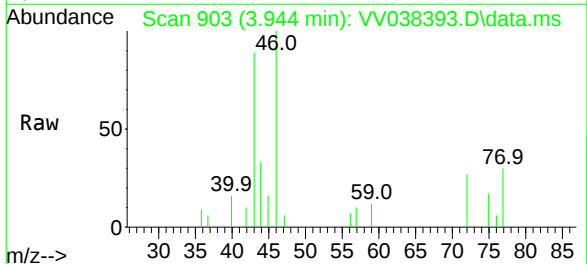
Manual Integrations
APPROVED

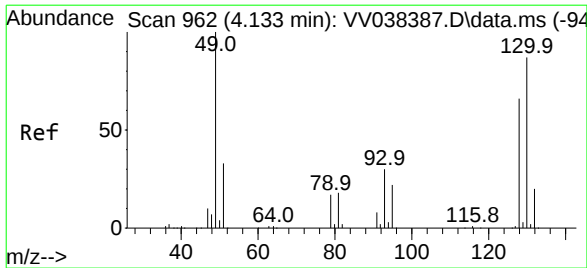
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#22
2-Butanone
Concen: 5.369 ug/L m
RT: 3.944 min Scan# 903
Delta R.T. 0.087 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

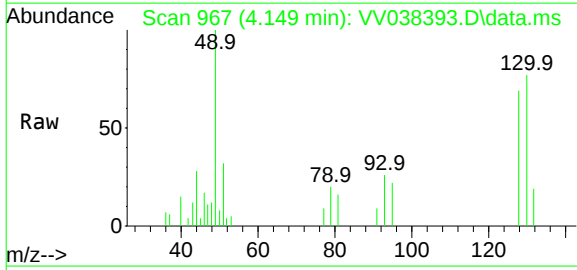
Tgt Ion	Ratio	Lower	Upper
43	100		
72	3.3	12.5	37.5#





#23
Bromochloromethane
Concen: 2.608 ug/L m
RT: 4.149 min Scan# 96
Delta R.T. 0.016 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

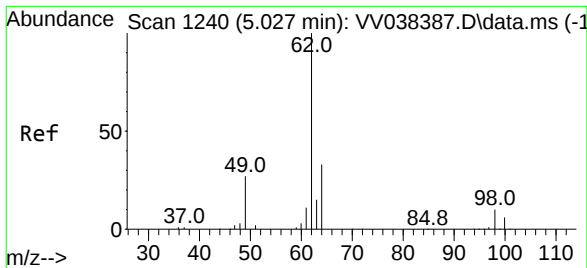
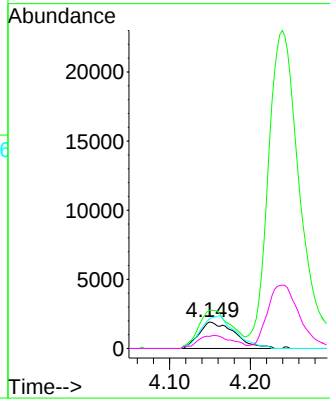
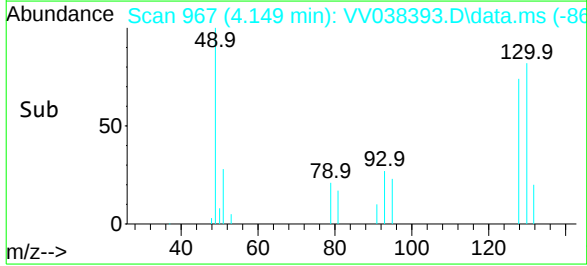
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07



Tgt Ion:	128	Resp:	5884
Ion	Ratio	Lower	Upper
128	100		
49	144.5	106.7	198.3
130	111.3	93.2	173.2
51	45.7	40.2	60.4

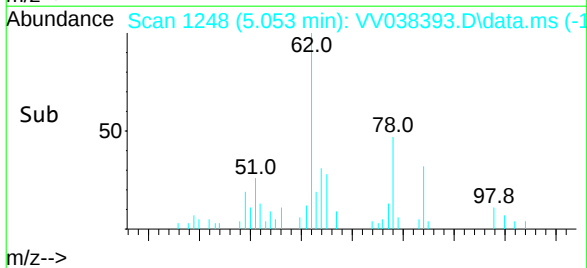
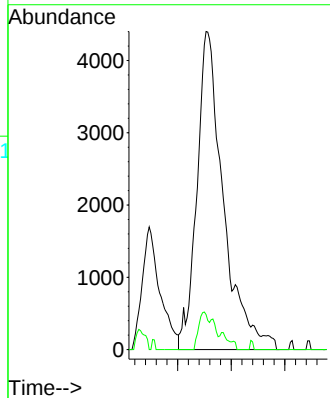
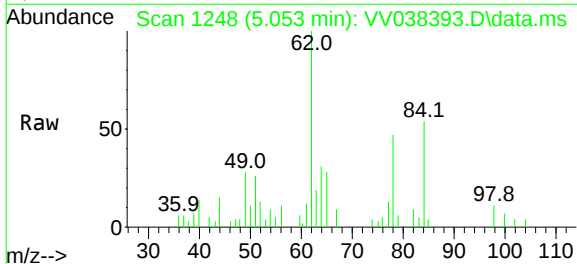
Manual Integrations
APPROVED

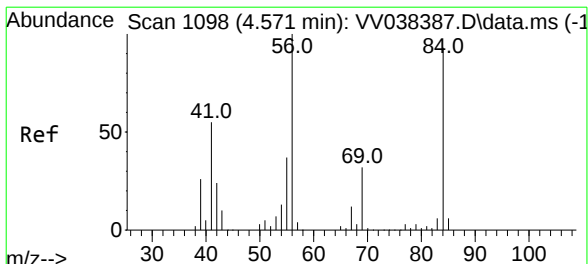
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#27
1,2-Dichloroethane
Concen: 2.732 ug/L m
RT: 5.053 min Scan# 1248
Delta R.T. 0.026 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

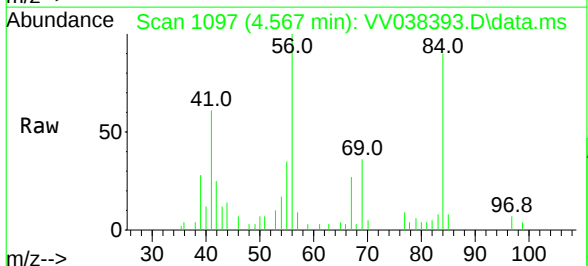
Tgt Ion:	62	Resp:	15062
Ion	Ratio	Lower	Upper
62	100		
98	11.0	7.5	11.3





#29
Cyclohexane
Concen: 2.183 ug/L m
RT: 4.567 min Scan# 1077
Delta R.T. -0.003 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

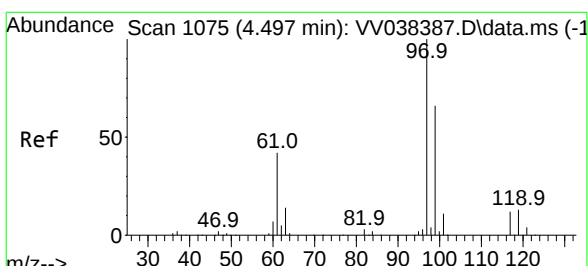
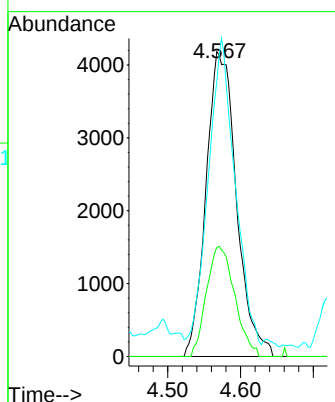
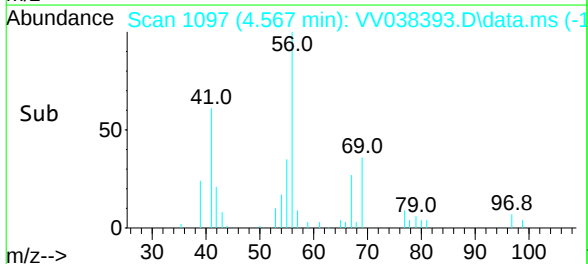
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07



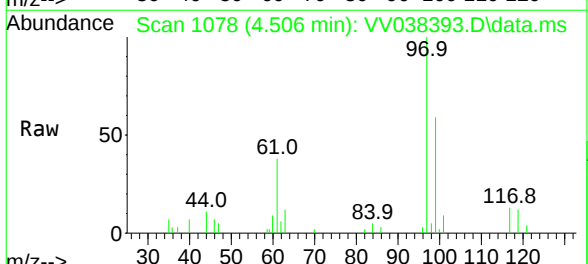
Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.3	24.8	37.2
84	87.6	73.7	110.5

Manual Integrations
APPROVED

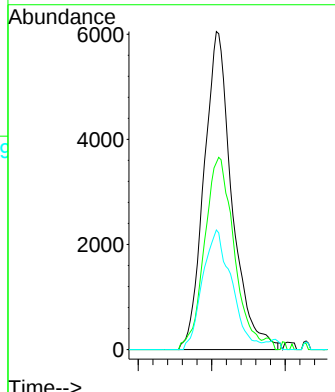
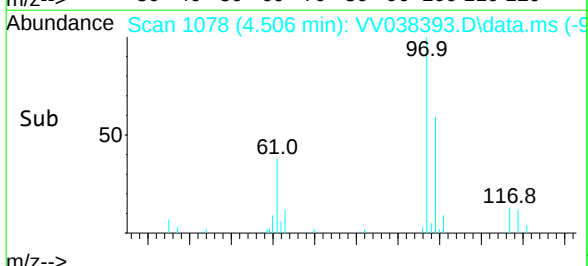
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024

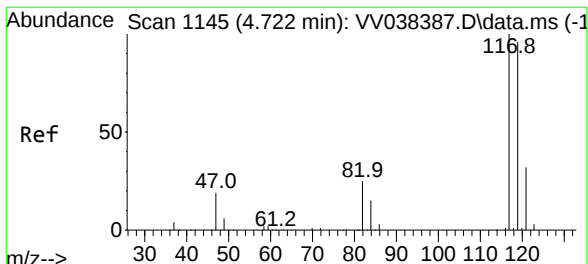


#30
1,1,1-Trichloroethane
Concen: 2.445 ug/L
RT: 4.506 min Scan# 1078
Delta R.T. 0.010 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01



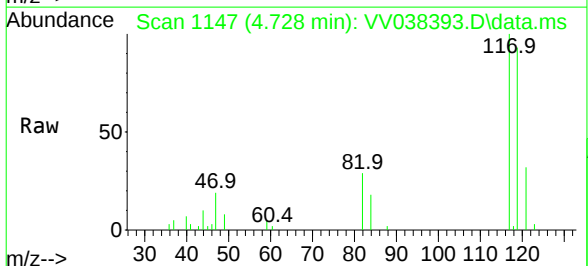
Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.3	78.5
61	38.7	33.6	50.4





#31
Carbon tetrachloride
Concen: 2.370 ug/L
RT: 4.728 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

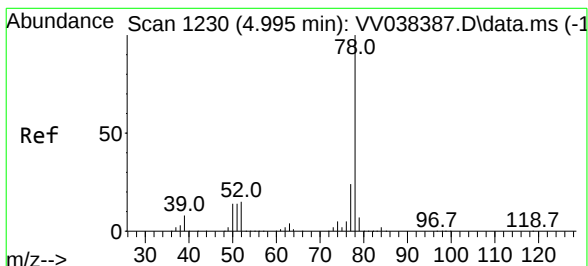
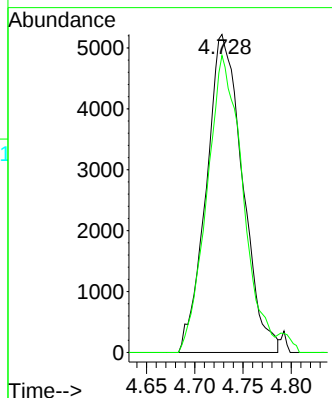
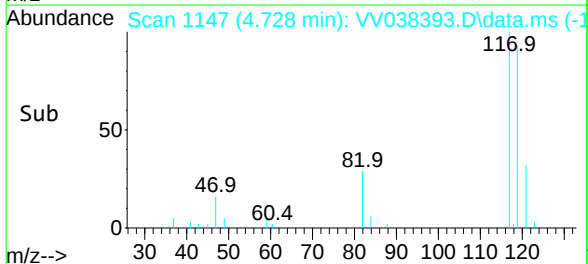
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion: 117 Resp: 13613
Ion Ratio Lower Upper
117 100
119 92.4 77.7 116.5

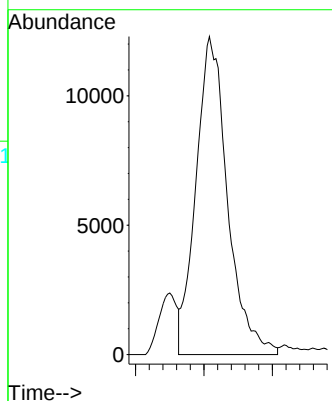
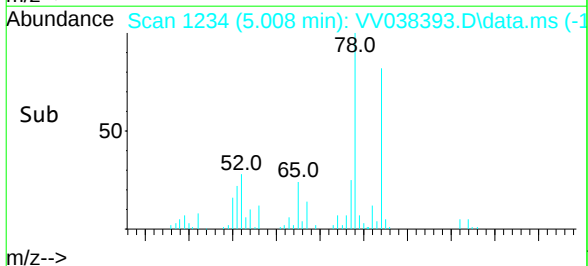
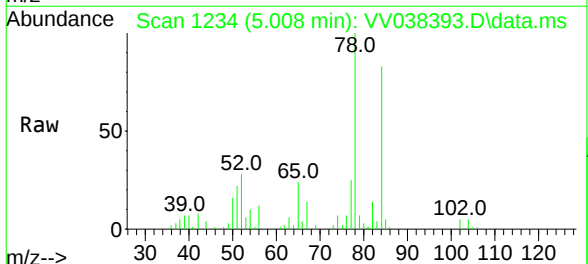
Manual Integrations
APPROVED

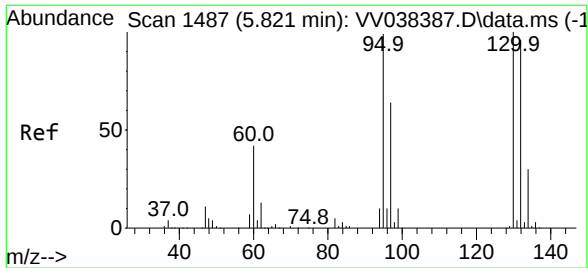
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#33
Benzene
Concen: 2.522 ug/L m
RT: 5.008 min Scan# 1234
Delta R.T. 0.013 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

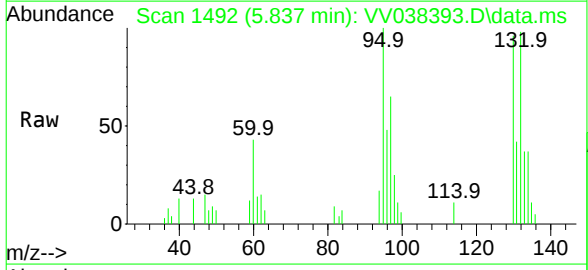
Tgt Ion: 78 Resp: 39363





#34
Trichloroethene
Concen: 2.494 ug/L m
RT: 5.837 min Scan# 1487
Delta R.T. 0.016 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

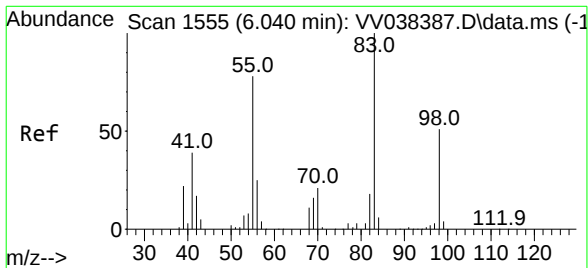
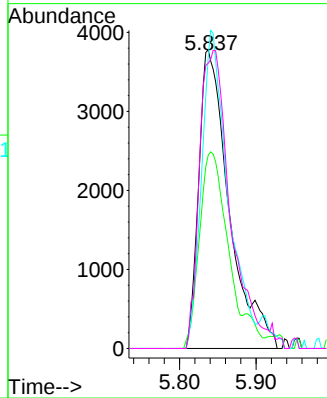
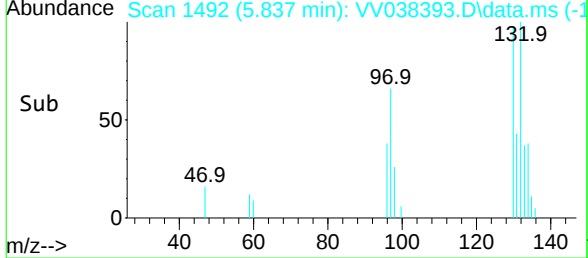
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07



Tgt Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.6	84.8
132	97.9	67.6	125.6
130	95.6	70.8	131.6

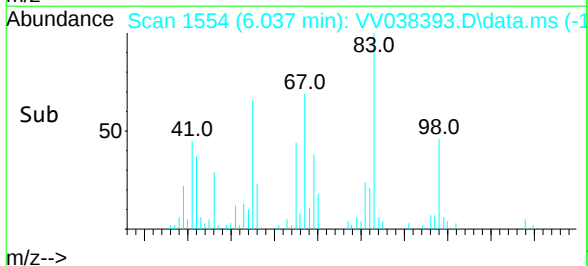
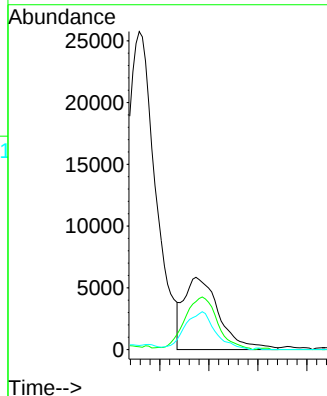
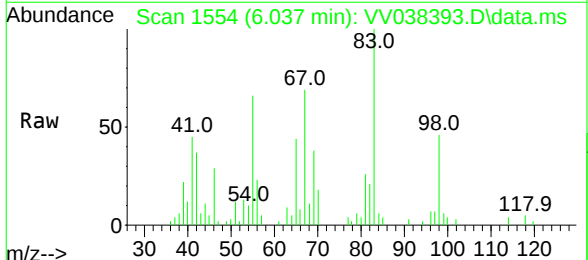
Manual Integrations
APPROVED

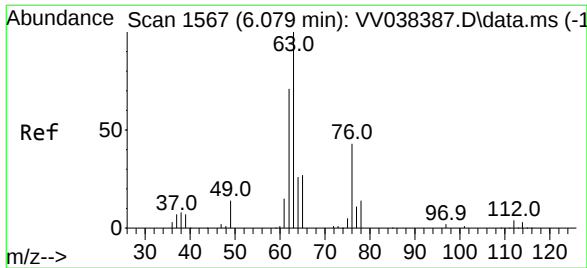
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#35
Methylcyclohexane
Concen: 2.439 ug/L m
RT: 6.037 min Scan# 1554
Delta R.T. -0.003 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

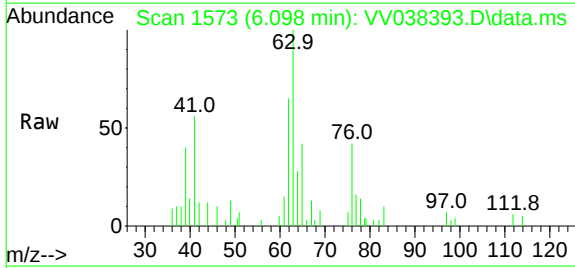
Tgt Ion	Ratio	Lower	Upper
83	100		
55	67.8	59.0	88.6
98	45.7	39.5	59.3





#37
1,2-Dichloropropane
Concen: 2.212 ug/L
RT: 6.098 min Scan# 1567
Delta R.T. 0.019 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

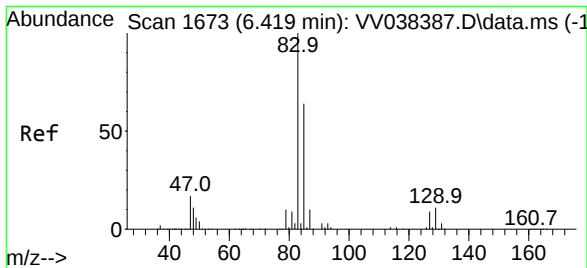
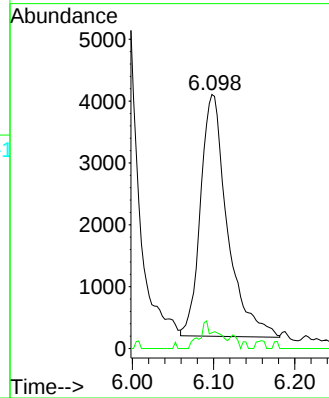
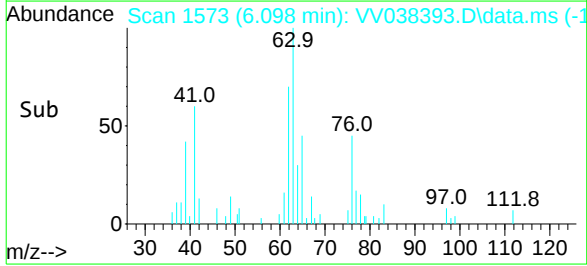
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion: 63 Resp: 8979
Ion Ratio Lower Upper
63 100
112 3.2 3.8 5.6#

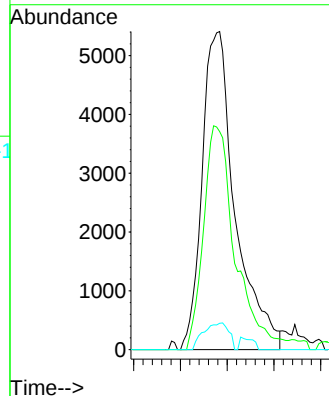
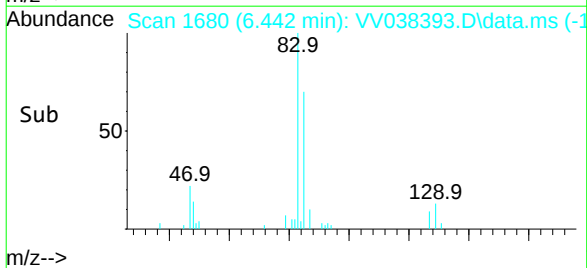
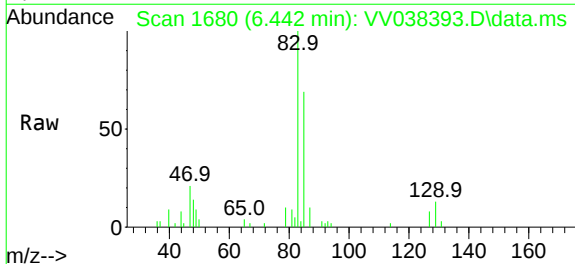
Manual Integrations
APPROVED

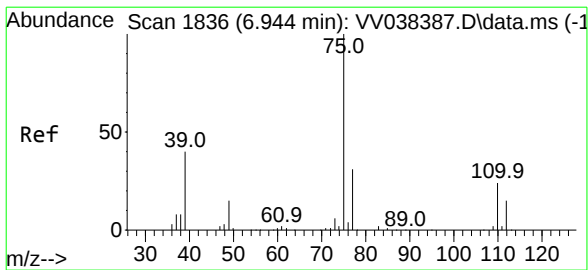
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#38
Bromodichloromethane
Concen: 2.359 ug/L
RT: 6.442 min Scan# 1680
Delta R.T. 0.023 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

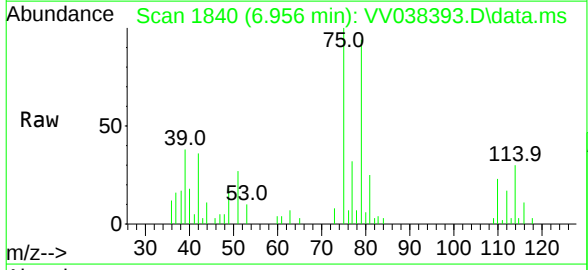
Tgt Ion: 83 Resp: 13288
Ion Ratio Lower Upper
83 100
85 68.5 44.9 83.5
127 8.3 6.8 10.2





#39
 cis-1,3-Dichloropropene
 Concen: 2.487 ug/L m
 RT: 6.956 min Scan# 1836
 Delta R.T. 0.013 min
 Lab File: VV038393.D
 Acq: 02 Dec 2024 17:01

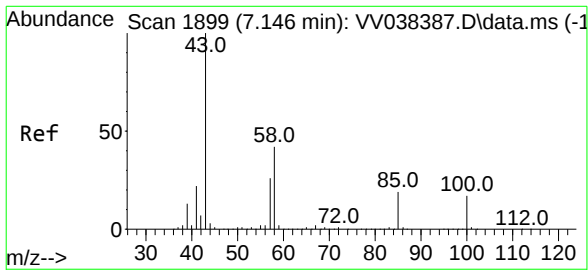
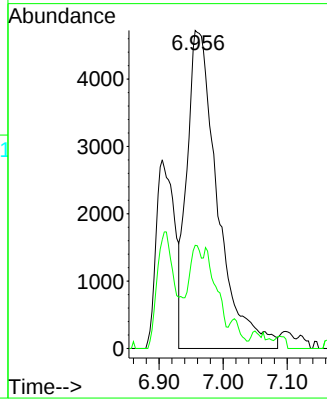
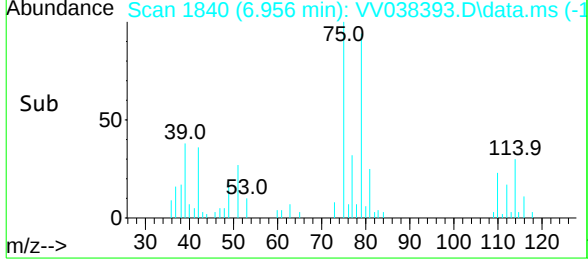
Instrument : MSVOA_V
 ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion:	75	Resp:	15663
Ion Ratio	Lower	Upper	
75	100		
77	32.4	21.9	40.7

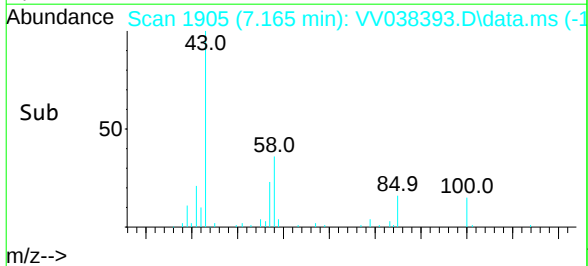
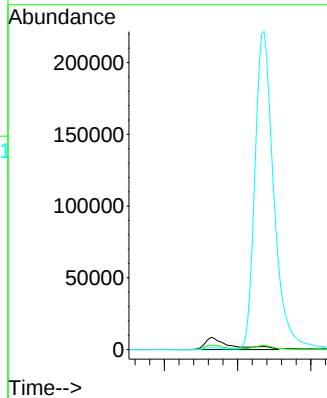
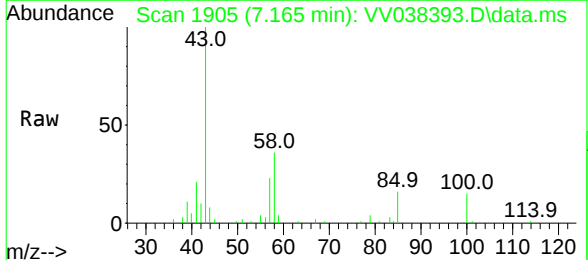
Manual Integrations
 APPROVED

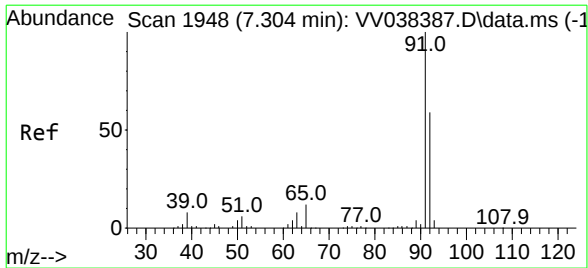
Reviewed By :Mahesh Dadoda 12/03/2024
 Supervised By :Semsettin Yesilyurt 12/04/2024



#40
 4-Methyl-2-pentanone
 Concen: 4.490 ug/L m
 RT: 7.165 min Scan# 1905
 Delta R.T. 0.019 min
 Lab File: VV038393.D
 Acq: 02 Dec 2024 17:01

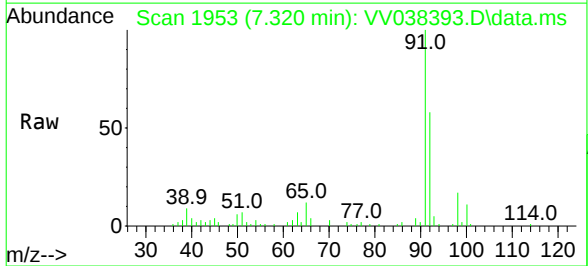
Tgt Ion:	43	Resp:	20394
Ion Ratio	Lower	Upper	
43	100		
58	31.7	32.7	49.1#
100	11.5	13.7	20.5#





#42
Toluene
Concen: 2.370 ug/L
RT: 7.320 min Scan# 1948
Delta R.T. 0.016 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

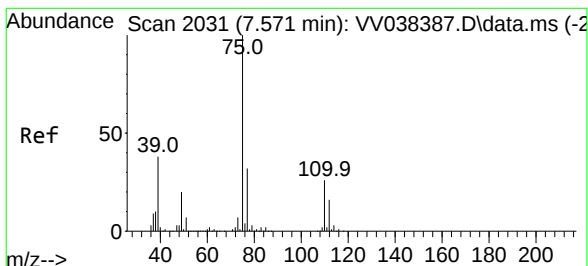
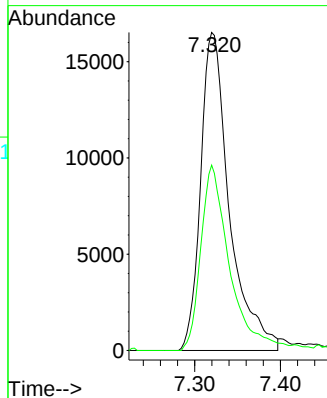
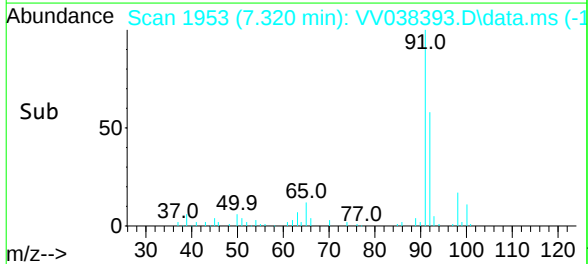
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07



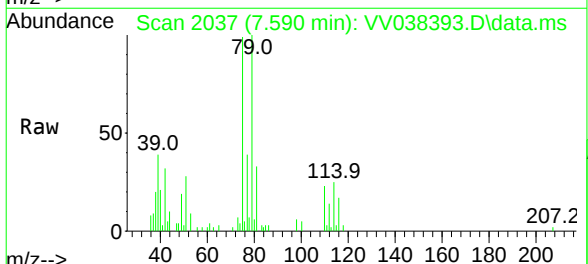
Tgt Ion: 91 Resp: 38429
Ion Ratio Lower Upper
91 100
92 58.3 41.2 76.4

Manual Integrations
APPROVED

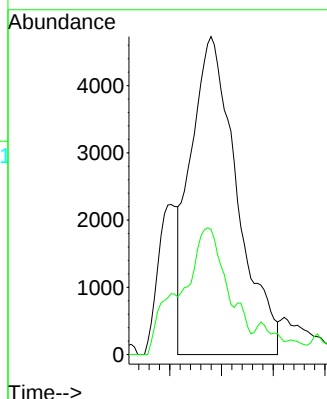
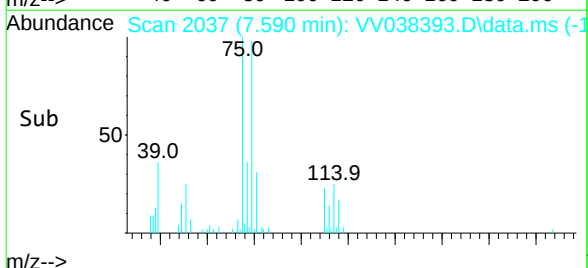
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024

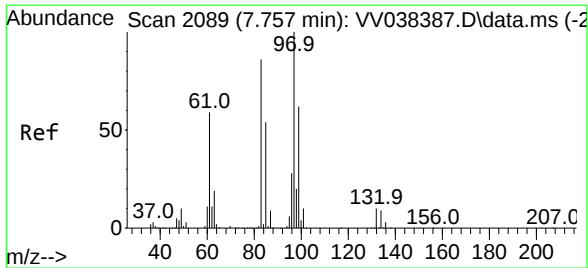


#44
trans-1,3-Dichloropropene
Concen: 2.416 ug/L m
RT: 7.590 min Scan# 2037
Delta R.T. 0.019 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01



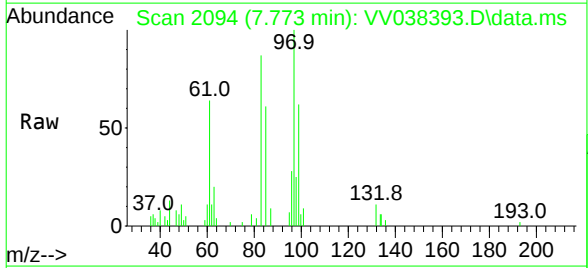
Tgt Ion: 75 Resp: 14698
Ion Ratio Lower Upper
75 100
77 39.4 22.7 42.1





#45
1,1,2-Trichloroethane
Concen: 2.466 ug/L
RT: 7.773 min Scan# 2089
Delta R.T. 0.016 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

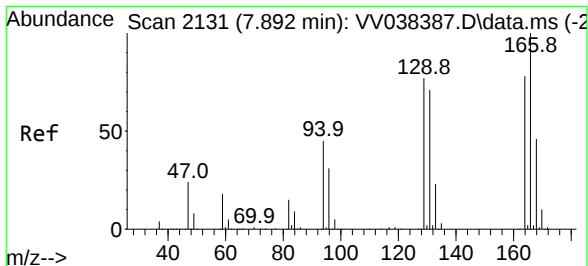
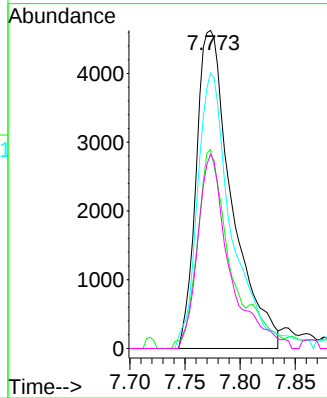
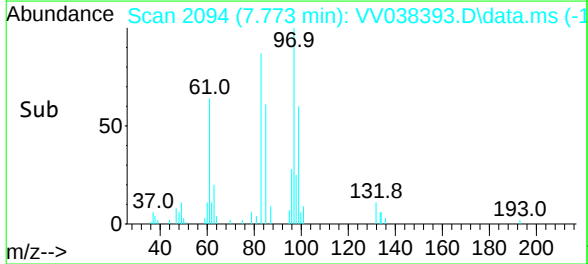
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07



Tgt Ion:	97	Resp:	10383
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.6	81.0
83	86.6	60.5	112.5
85	61.1	38.0	70.6

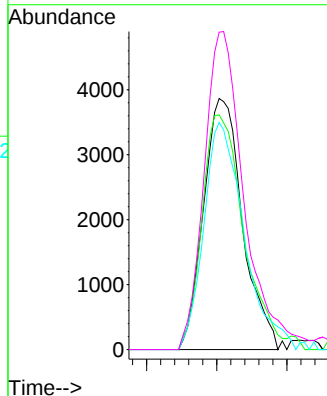
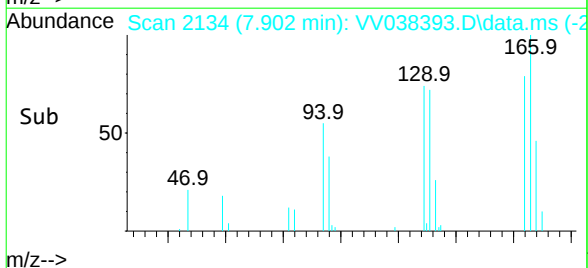
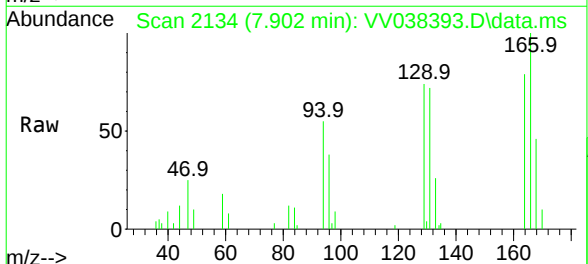
Manual Integrations
APPROVED

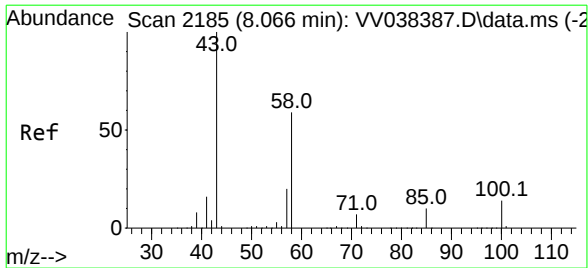
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#46
Tetrachloroethene
Concen: 2.314 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.010 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

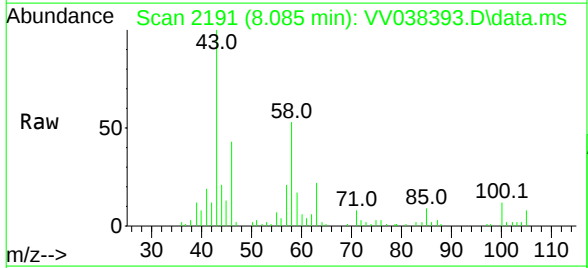
Tgt Ion:	164	Resp:	7449
Ion	Ratio	Lower	Upper
164	100		
129	93.5	69.2	128.4
131	90.4	63.1	117.3
166	126.4	89.7	166.5





#48
2-Hexanone
Concen: 8.477 ug/L m
RT: 8.085 min Scan# 2185
Delta R.T. 0.019 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

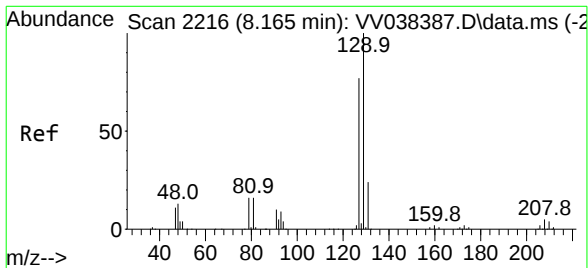
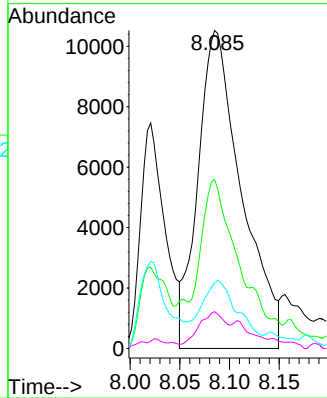
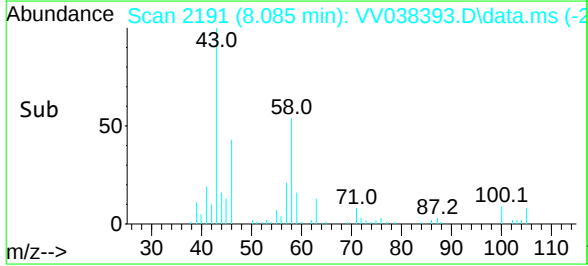
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion: 43 Resp: 32128
Ion Ratio Lower Upper
43 100
58 26.6 48.0 72.0#
57 7.5 15.5 23.3#
100 6.2 11.0 16.4#

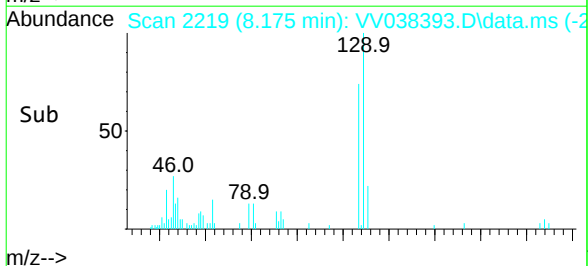
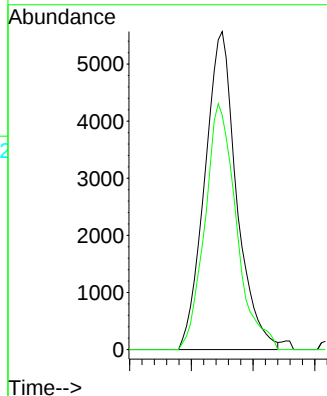
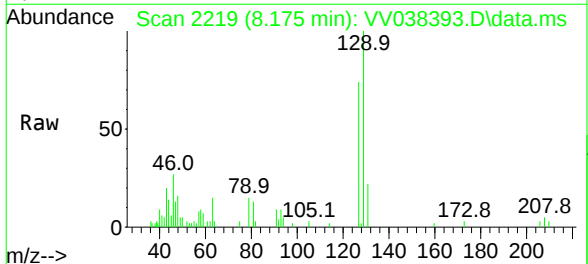
Manual Integrations
APPROVED

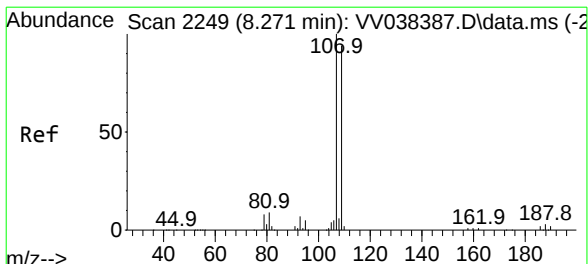
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#49
Dibromochloromethane
Concen: 2.298 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.010 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

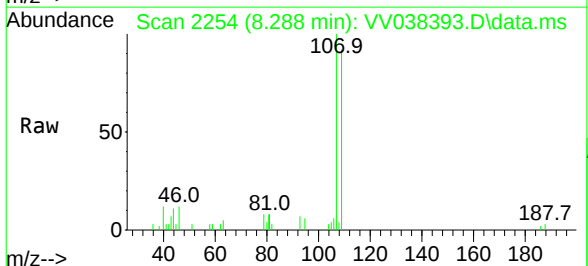
Tgt Ion:129 Resp: 9981
Ion Ratio Lower Upper
129 100
127 73.7 53.8 100.0





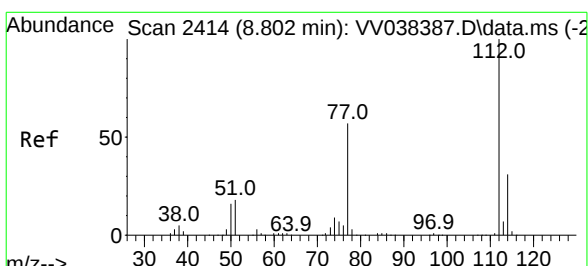
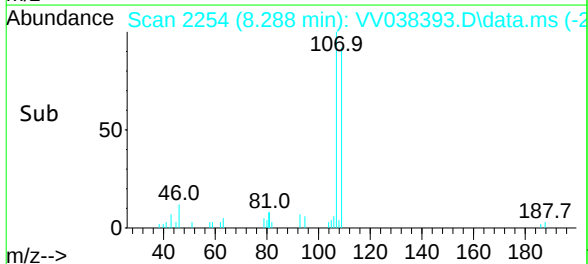
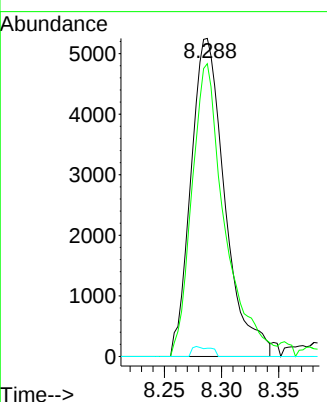
#50
 1,2-Dibromoethane
 Concen: 2.444 ug/L
 RT: 8.288 min Scan# 2254
 Delta R.T. 0.016 min
 Lab File: VV038393.D
 Acq: 02 Dec 2024 17:01

Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2024-07



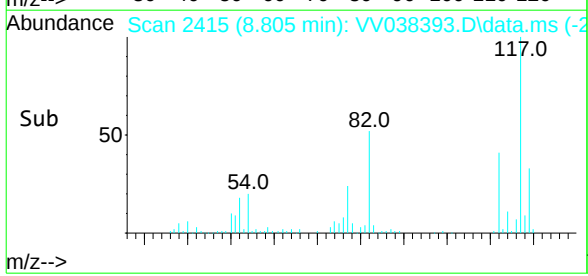
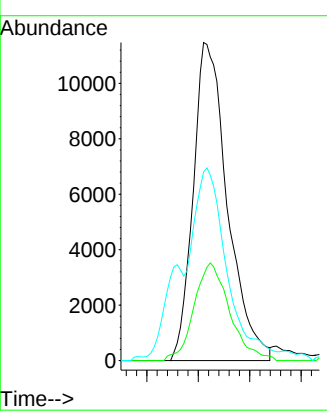
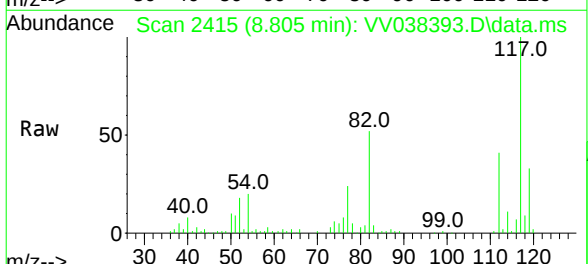
Tgt Ion:	107	Resp:	10846
Ion	Ratio	Lower	Upper
107	100		
109	92.0	66.1	122.7
188	2.6	2.6	3.8

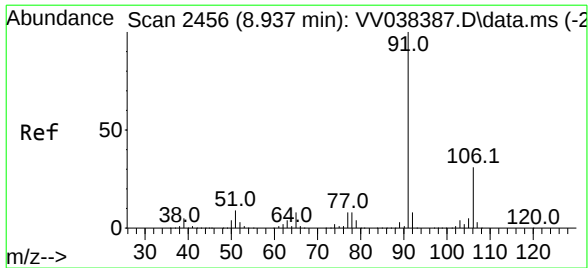
Manual Integrations
APPROVED
 Reviewed By :Mahesh Dadoda 12/03/2024
 Supervised By :Semsettin Yesilyurt 12/04/2024



#51
 Chlorobenzene
 Concen: 2.384 ug/L
 RT: 8.805 min Scan# 2415
 Delta R.T. 0.003 min
 Lab File: VV038393.D
 Acq: 02 Dec 2024 17:01

Tgt Ion:	112	Resp:	26564
Ion	Ratio	Lower	Upper
112	100		
114	26.8	21.9	40.7
77	59.3	45.4	68.0





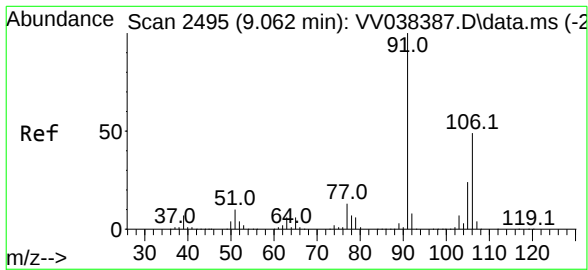
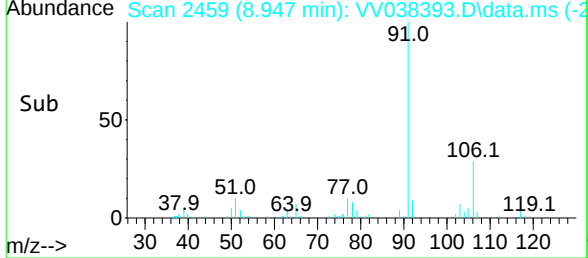
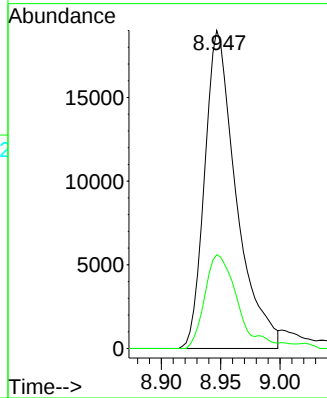
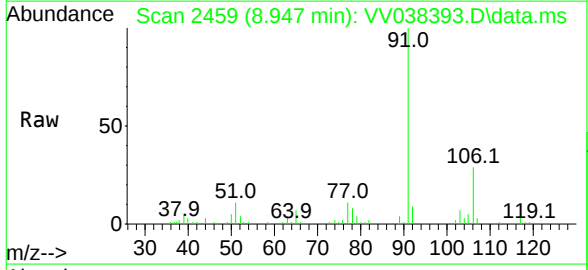
#52
Ethylbenzene
Concen: 2.021 ug/L
RT: 8.947 min Scan# 2456
Delta R.T. 0.010 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion: 91 Resp: 35157
Ion Ratio Lower Upper
91 100
106 29.5 21.6 40.0

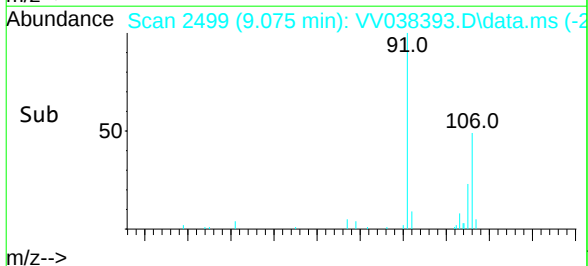
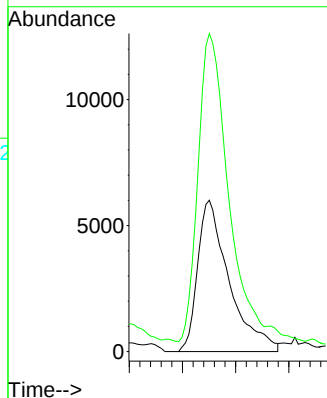
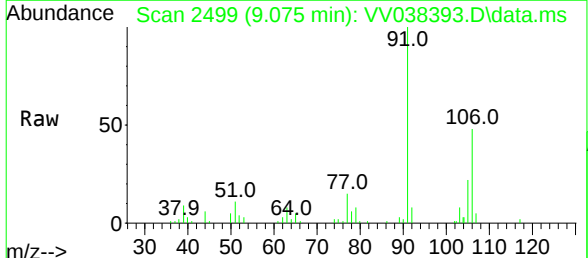
Manual Integrations
APPROVED

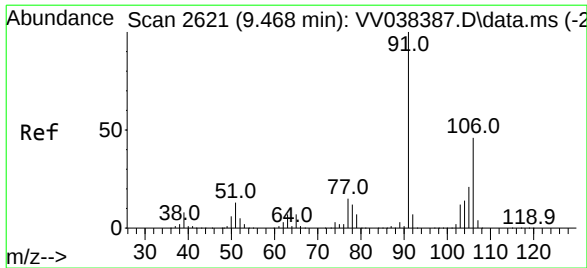
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#53
m,p-Xylene
Concen: 1.881 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.013 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

Tgt Ion:106 Resp: 12398
Ion Ratio Lower Upper
106 100
91 210.1 142.6 264.8





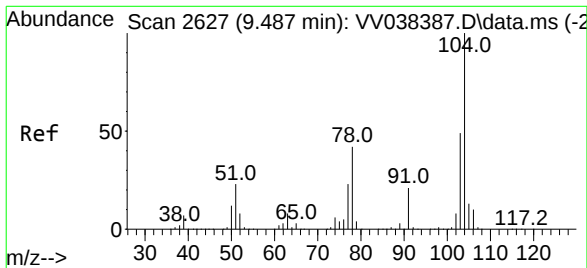
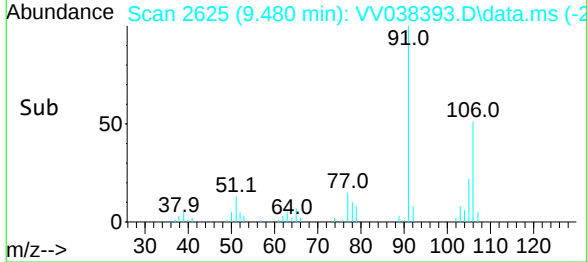
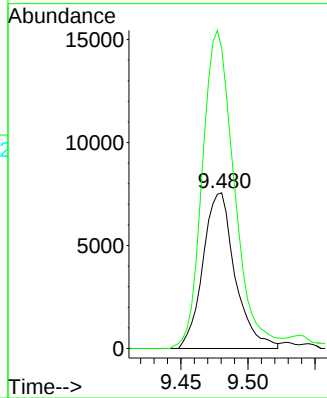
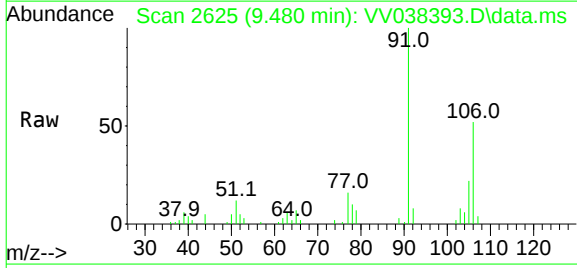
#54
o-Xylene
Concen: 1.981 ug/L
RT: 9.480 min Scan# 2621
Delta R.T. 0.013 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion:106 Resp: 12565
Ion Ratio Lower Upper
106 100
91 192.8 151.1 280.7

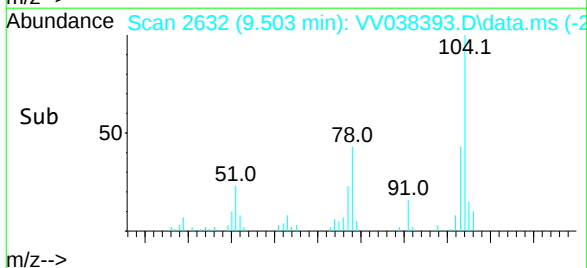
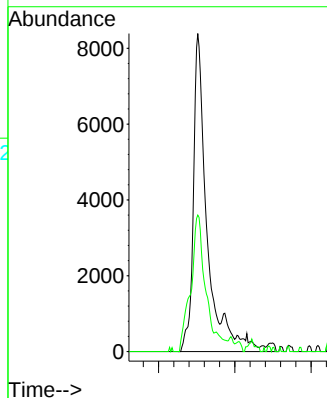
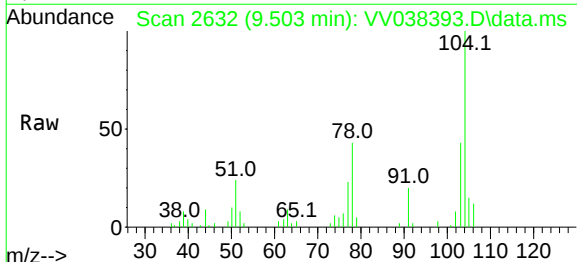
Manual Integrations
APPROVED

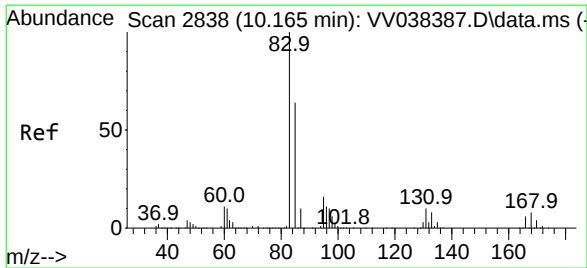
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#55
Styrene
Concen: 1.912 ug/L m
RT: 9.503 min Scan# 2632
Delta R.T. 0.016 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

Tgt Ion:104 Resp: 21286
Ion Ratio Lower Upper
104 100
78 42.9 29.7 55.1





#57

1,1,2,2-Tetrachloroethane

Concen: 2.680 ug/L

RT: 10.168 min Scan# 2838

Delta R.T. 0.003 min

Lab File: VV038393.D

Acq: 02 Dec 2024 17:01

Instrument :

MSVOA_V

ClientSampleId :

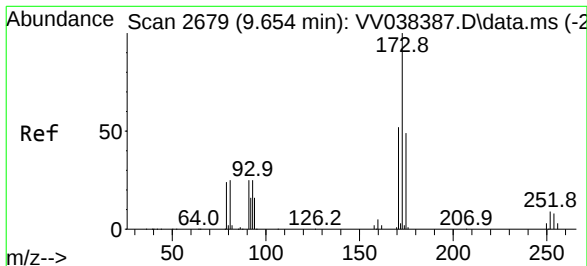
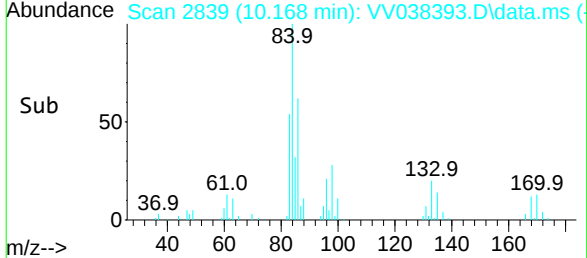
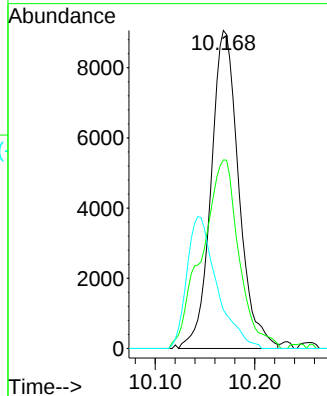
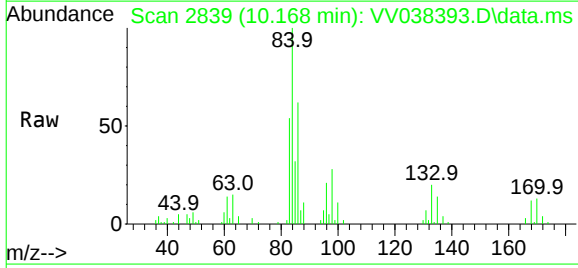
MDL-WATER-QT4-2024-07

Tgt Ion:	83	Resp:	17531
Ion	Ratio	Lower	Upper
83	100		
85	59.3	44.7	82.9
131	12.1	8.0	12.0#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#59

Bromoform

Concen: 2.370 ug/L

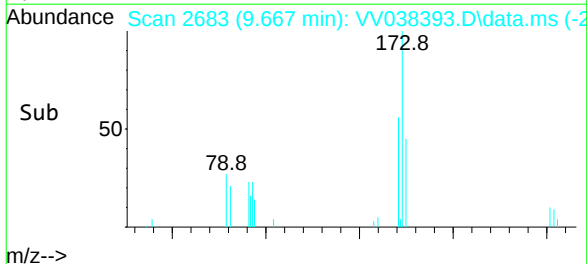
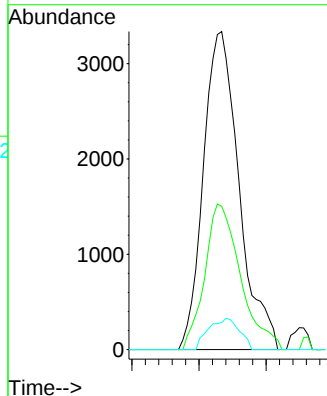
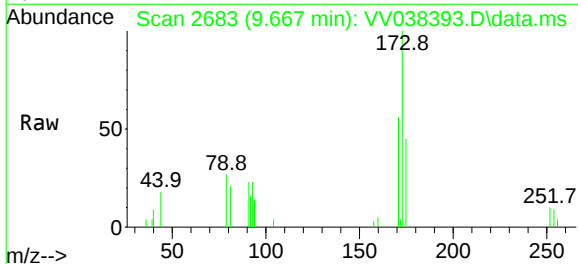
RT: 9.667 min Scan# 2683

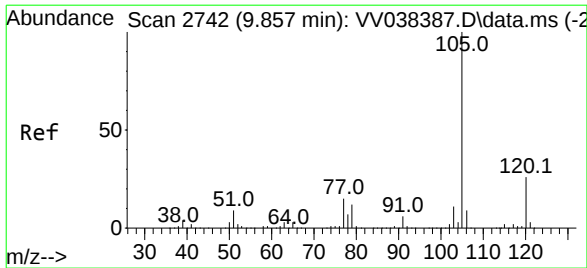
Delta R.T. 0.013 min

Lab File: VV038393.D

Acq: 02 Dec 2024 17:01

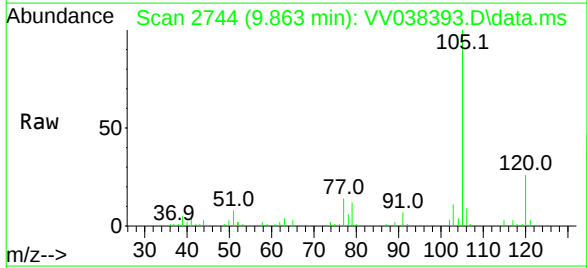
Tgt Ion:	173	Resp:	6157
Ion	Ratio	Lower	Upper
173	100		
175	45.8	38.8	58.2
254	8.5	6.9	10.3





#60
Isopropylbenzene
Concen: 2.140 ug/L
RT: 9.863 min Scan# 2742
Delta R.T. 0.006 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

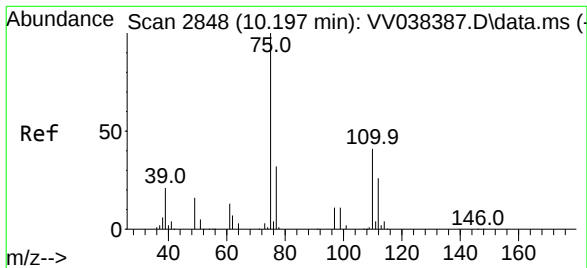
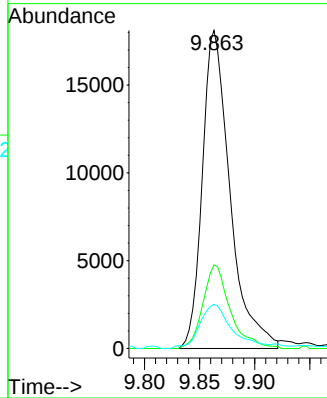
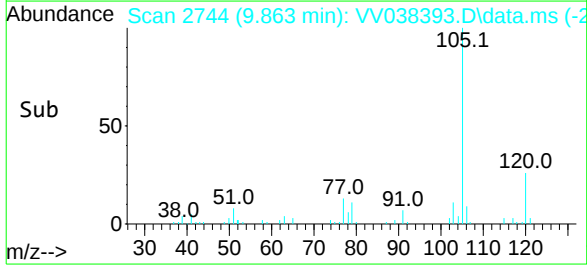
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07



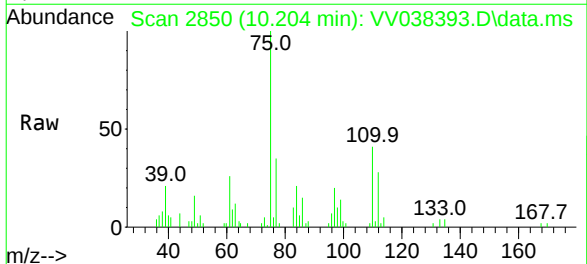
Tgt Ion:	105	Resp:	31627
Ion Ratio	Lower	Upper	
105	100		
120	25.8	21.0	31.4
77	13.7	12.2	18.4

Manual Integrations
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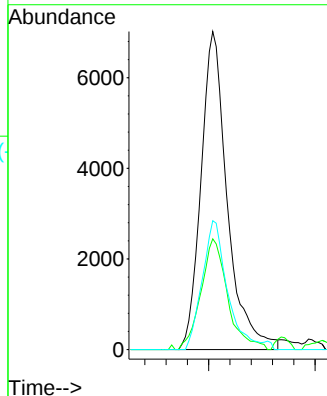
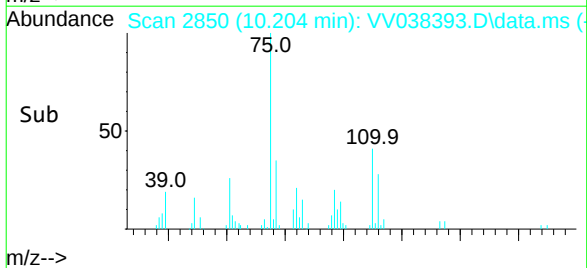
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024

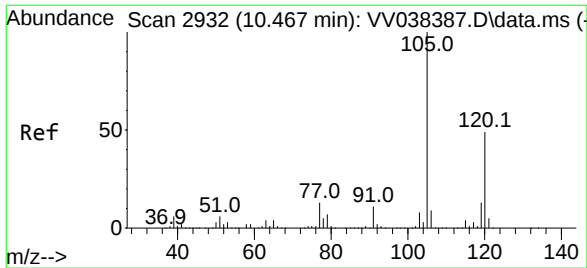


#61
1,2,3-Trichloropropane
Concen: 2.864 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. 0.006 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01



Tgt Ion:	75	Resp:	12049
Ion Ratio	Lower	Upper	
75	100		
77	35.2	25.8	38.6
110	38.5	32.2	48.4





#62

1,3,5-Trimethylbenzene

Concen: 1.963 ug/L

RT: 10.471 min Scan# 29

Delta R.T. 0.003 min

Lab File: VV038393.D

Acq: 02 Dec 2024 17:01

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2024-07

Tgt Ion:105 Resp: 23279

Ion Ratio Lower Upper

105 100

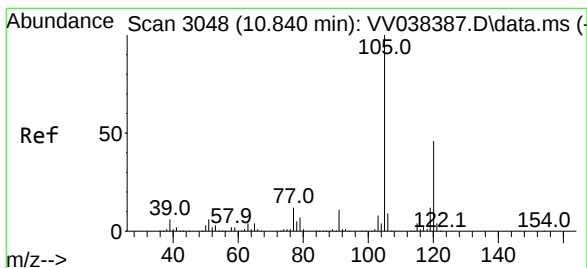
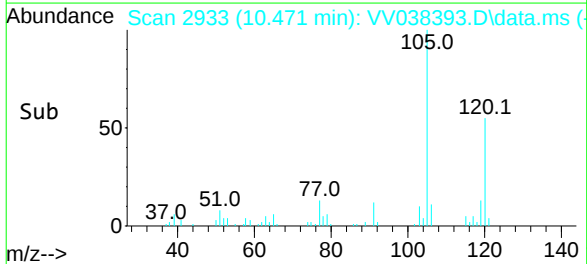
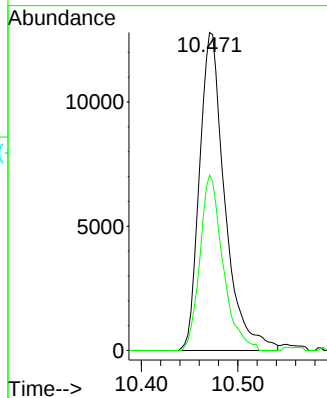
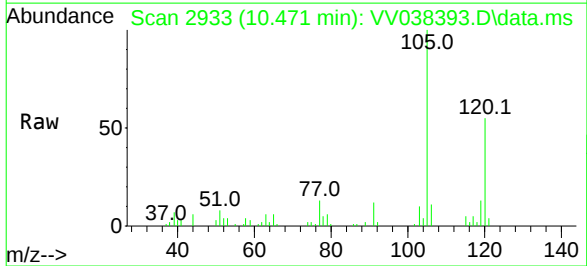
120 50.1 39.1 58.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/03/2024

Supervised By :Semsettin Yesilyurt 12/04/2024



#63

1,2,4-Trimethylbenzene

Concen: 1.927 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.006 min

Lab File: VV038393.D

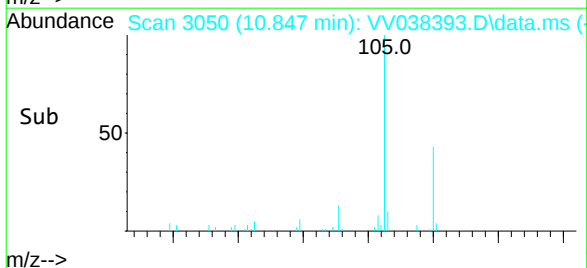
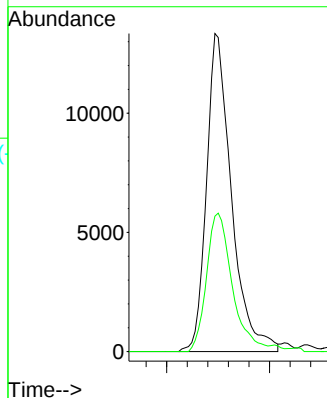
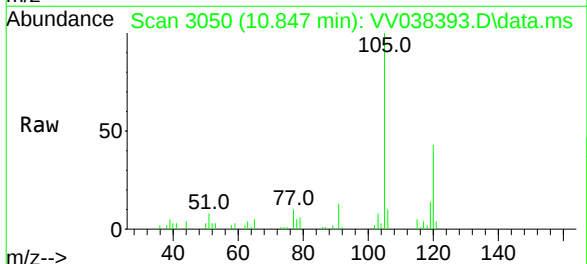
Acq: 02 Dec 2024 17:01

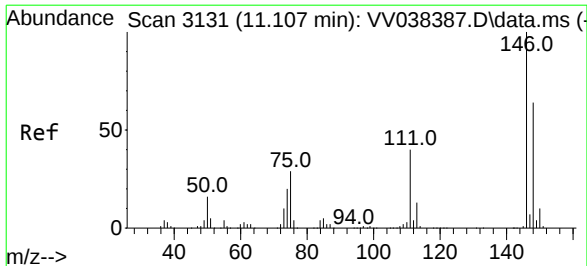
Tgt Ion:105 Resp: 22465

Ion Ratio Lower Upper

105 100

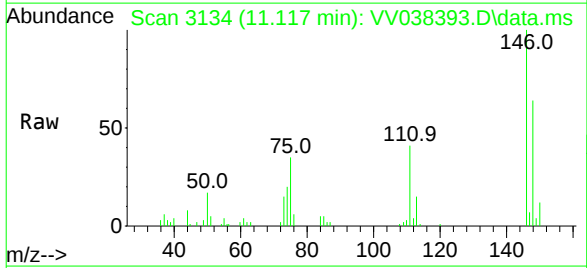
120 44.8 36.6 55.0





#64
1,3-Dichlorobenzene
Concen: 2.403 ug/L
RT: 11.117 min Scan# 3131
Delta R.T. 0.010 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

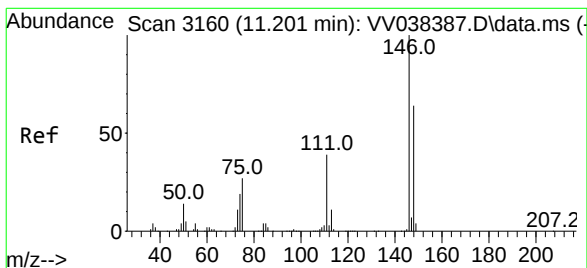
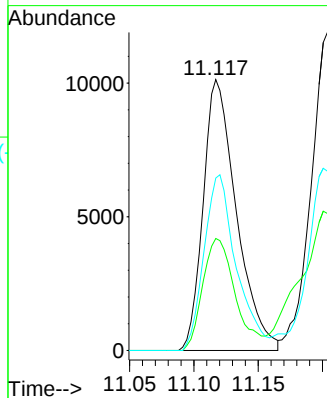
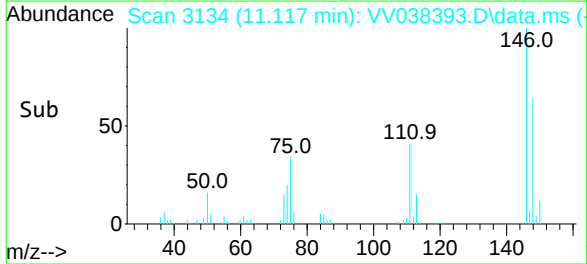
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07



Tgt Ion:146 Resp: 18227
Ion Ratio Lower Upper
146 100
111 41.3 27.8 51.6
148 63.6 45.1 83.7

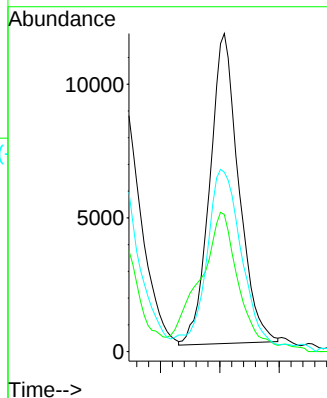
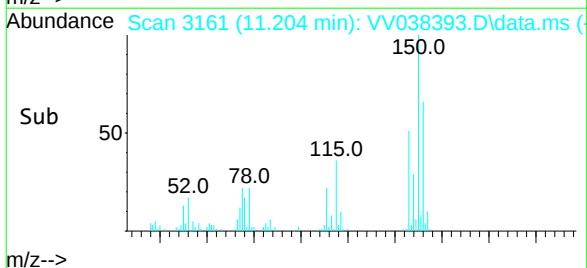
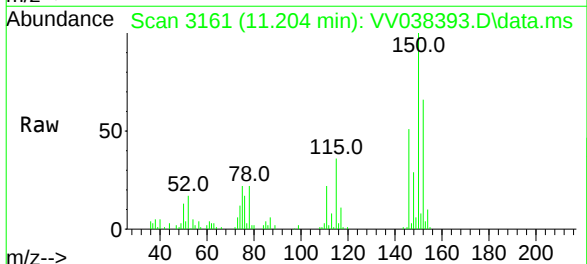
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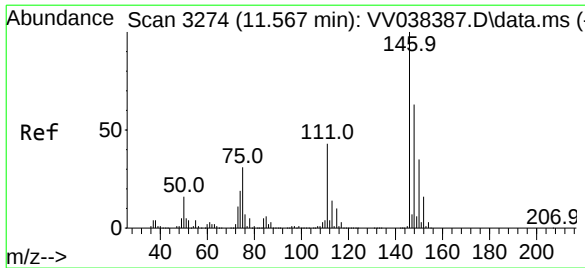
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#65
1,4-Dichlorobenzene
Concen: 2.439 ug/L
RT: 11.204 min Scan# 3161
Delta R.T. 0.003 min
Lab File: VV038393.D
Acq: 02 Dec 2024 17:01

Tgt Ion:146 Resp: 19672
Ion Ratio Lower Upper
146 100
111 43.1 27.6 51.4
148 56.4 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 2.591 ug/L

RT: 11.570 min Scan# 3274

Delta R.T. 0.003 min

Lab File: VV038393.D

Acq: 02 Dec 2024 17:01

Instrument :

MSVOA_V

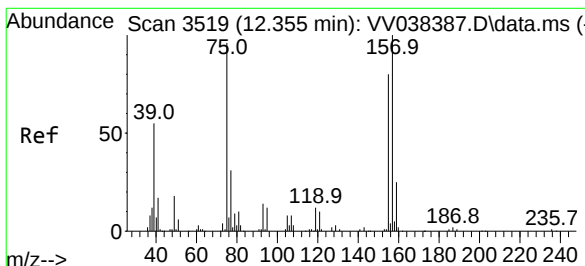
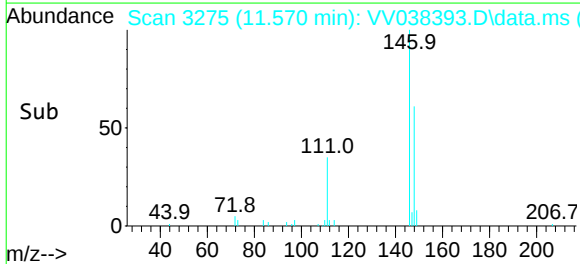
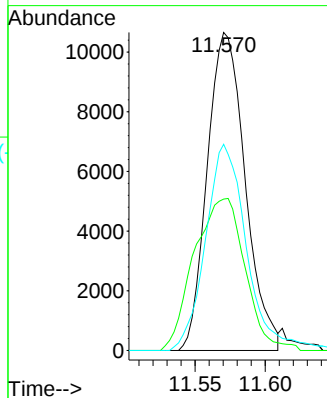
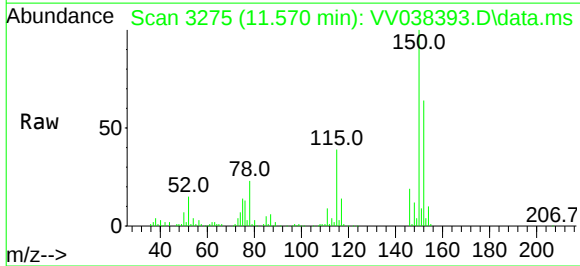
ClientSampleId :

MDL-WATER-QT4-2024-07

Tgt	Ion:146	Resp:	20041
Ion	Ratio	Lower	Upper
146	100		
111	47.6	34.2	51.2
148	64.8	50.5	75.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#68

1,2-Dibromo-3-chloropropane

Concen: 2.581 ug/L

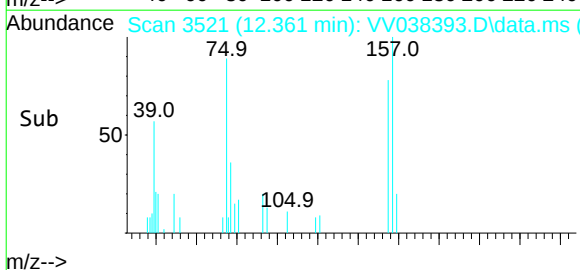
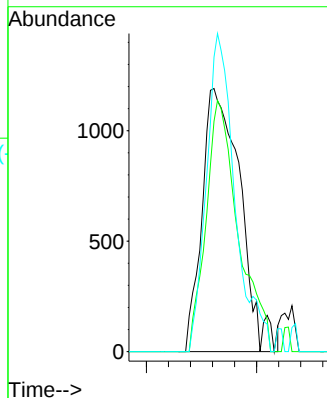
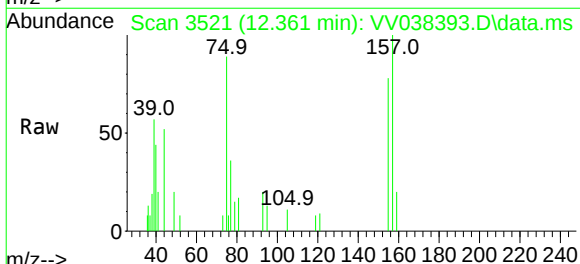
RT: 12.361 min Scan# 3521

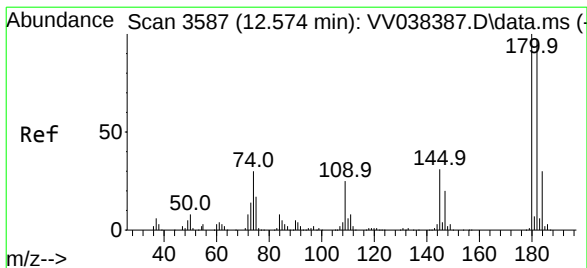
Delta R.T. 0.006 min

Lab File: VV038393.D

Acq: 02 Dec 2024 17:01

Tgt	Ion: 75	Resp:	2862
Ion	Ratio	Lower	Upper
75	100		
155	87.6	66.8	100.2
157	111.9	83.4	125.2





#69

1,3,5-Trichlorobenzene

Concen: 2.373 ug/L

RT: 12.583 min Scan# 3587

Delta R.T. 0.010 min

Lab File: VV038393.D

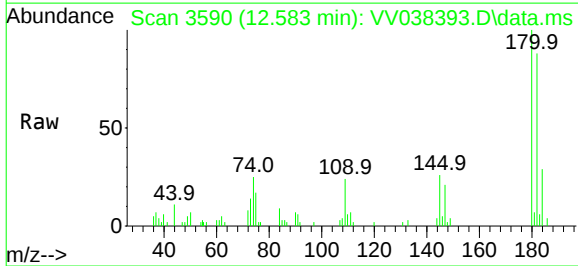
Acq: 02 Dec 2024 17:01

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2024-07



Tgt Ion:180 Resp: 12279

Ion Ratio Lower Upper

180 100

182 92.3 76.2 114.4

184 27.7 23.8 35.6

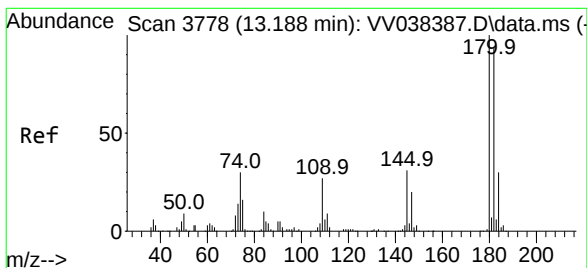
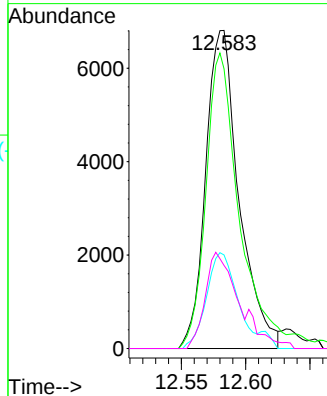
145 26.0 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/03/2024

Supervised By :Semsettin Yesilyurt 12/04/2024



#70

1,2,4-trichlorobenzene

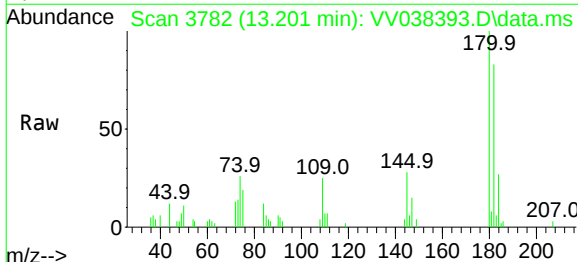
Concen: 2.253 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.013 min

Lab File: VV038393.D

Acq: 02 Dec 2024 17:01



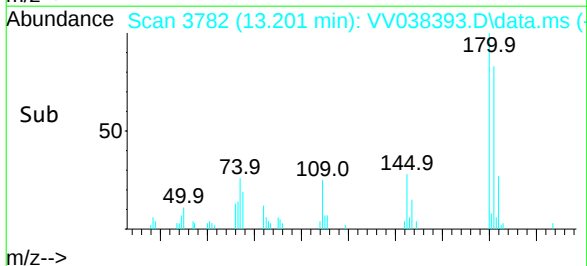
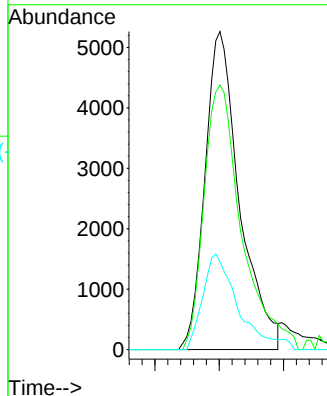
Tgt Ion:180 Resp: 9820

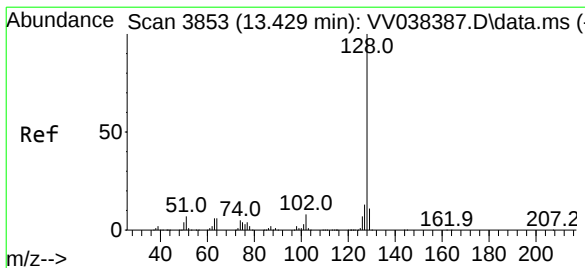
Ion Ratio Lower Upper

180 100

182 90.2 76.2 114.2

145 29.9 24.7 37.1





#71

Naphthalene

Concen: 2.078 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.016 min

Lab File: VV038393.D

Acq: 02 Dec 2024 17:01

Instrument :

MSVOA_V

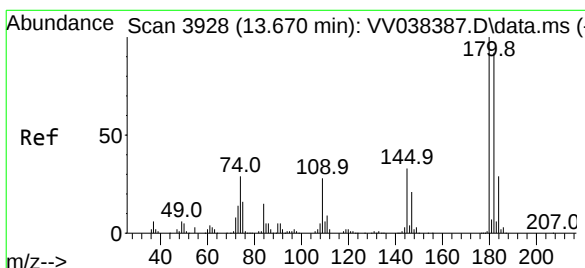
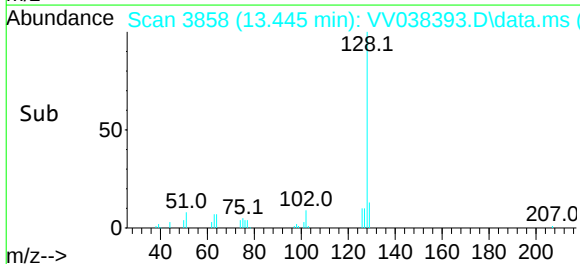
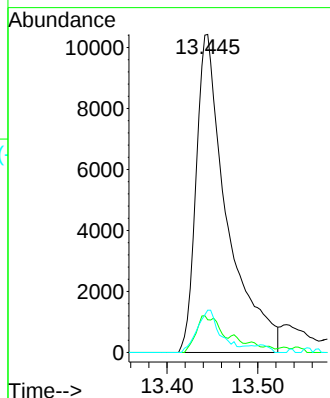
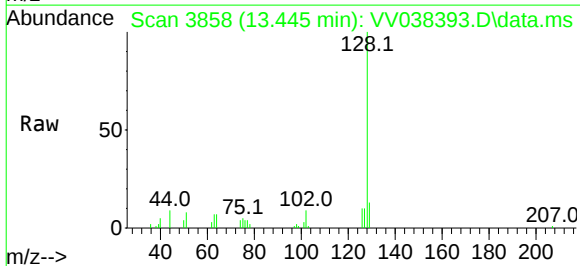
ClientSampleId :

MDL-WATER-QT4-2024-07

Tgt Ion:	128	Resp:	24553
Ion Ratio	Lower	Upper	
128	100		
127	5.5	10.1	15.1
129	9.4	8.6	12.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#72

1,2,3-Trichlorobenzene

Concen: 2.157 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.010 min

Lab File: VV038393.D

Acq: 02 Dec 2024 17:01

Tgt Ion:	180	Resp:	9226
Ion Ratio	Lower	Upper	
180	100		
182	95.1	75.8	113.6
145	31.3	27.1	40.7

