

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022924\
 Data File : VW034477.D
 Acq On : 29 Feb 2024 13:22
 Operator : SY/MD
 Sample : P1601-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2024-01

Quant Time: Mar 01 04:29:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 01 01:27:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/01/2024
 Supervised By :Semsettin Yesilyurt 03/01/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	296735	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	270873	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	135734	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	121603	47.273	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.540%		
7) Chloroethane-d5	1.529	69	96433	48.119	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.240%		
11) 1,1-Dichloroethene-d2	2.056	65	53520	46.005	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.000%		
21) 2-Butanone-d5	3.786	46	175051	101.759	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	101.760%		
24) Chloroform-d	4.249	84	211105	46.415	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.820%		
26) 1,2-Dichloroethane-d4	4.941	65	145191	48.850	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.700%		
32) Benzene-d6	4.957	84	409552	50.098	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.200%		
36) 1,2-Dichloropropane-d6	5.986	67	127056	50.927	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.860%		
41) Toluene-d8	7.243	98	365482	49.403	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.800%		
43) trans-1,3-Dichloroprop...	7.555	79	59528	47.514	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.020%		
47) 2-Hexanone-d5	8.024	63	131706	105.718	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.720%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	164342	50.056	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	100.120%		
66) 1,2-Dichlorobenzene-d4	11.561	152	138273	49.838	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.680%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	6205	1.994	ug/L	95
3) Chloromethane	1.214	50	6609	2.161	ug/L	96
5) Vinyl chloride	1.282	62	6253	2.106	ug/L #	77
6) Bromomethane	1.487	94	4216	2.367	ug/L	97
8) Chloroethane	1.545	64	3560	2.017	ug/L	96
9) Trichlorofluoromethane	1.712	101	9020	2.029	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	5866	2.448	ug/L	84
12) 1,1-Dichloroethene	2.066	96	5479	2.466	ug/L #	1
13) Acetone	2.121	43	8131	3.932	ug/L	99
14) Carbon disulfide	2.240	76	11802	1.914	ug/L	97
15) Methyl Acetate	2.384	43	5346	2.021	ug/L #	78
17) trans-1,2-Dichloroethene	2.700	96	4276	1.988	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	14245	1.844	ug/L	99
19) 1,1-Dichloroethane	3.114	63	7737	1.837	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	4413	1.891	ug/L	90
22) 2-Butanone	3.915	43	8377m	4.102	ug/L	
23) Bromochloromethane	4.159	128	2296	1.903	ug/L #	80
27) 1,2-Dichloroethane	5.056	62	7473m	2.106	ug/L	
29) Cyclohexane	4.580	56	6654	1.868	ug/L #	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.519	97	7489	1.928	ug/L	97
31) Carbon tetrachloride	4.738	117	6766	1.967	ug/L	98
33) Benzene	5.015	78	18154m	2.159	ug/L	
34) Trichloroethene	5.841	95	4565	1.910	ug/L	92
35) Methylcyclohexane	6.050	83	7241	1.993	ug/L	97
37) 1,2-Dichloropropane	6.108	63	4945m	2.246	ug/L	
38) Bromodichloromethane	6.442	83	6363	2.055	ug/L #	92
39) cis-1,3-Dichloropropene	6.969	75	7504m	2.104	ug/L	
40) 4-Methyl-2-pentanone	7.169	43	11907	3.668	ug/L #	94
42) Toluene	7.323	91	17042	1.915	ug/L	96
44) trans-1,3-Dichloropropene	7.593	75	6571	1.916	ug/L	97
45) 1,1,2-Trichloroethane	7.780	97	4030	1.897	ug/L	93
46) Tetrachloroethene	7.908	164	3370	1.896	ug/L	93
48) 2-Hexanone	8.092	43	14149m	5.470	ug/L	
49) Dibromochloromethane	8.178	129	3839	1.713	ug/L	94
50) 1,2-Dibromoethane	8.291	107	4513m	2.002	ug/L	
51) Chlorobenzene	8.815	112	11393	1.980	ug/L	97
52) Ethylbenzene	8.950	91	18496	1.855	ug/L	98
53) m,p-Xylene	9.082	106	6642	1.755	ug/L	99
54) o-Xylene	9.484	106	6731	1.817	ug/L	96
55) Styrene	9.510	104	10838	1.728	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.178	83	7440	2.332	ug/L #	94
59) Bromoform	9.670	173	2485	1.651	ug/L #	92
60) Isopropylbenzene	9.870	105	18649	1.943	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	5582	2.154	ug/L	92
62) 1,3,5-Trimethylbenzene	10.481	105	15047	1.858	ug/L	100
63) 1,2,4-Trimethylbenzene	10.854	105	14246	1.779	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	8629	1.944	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	9099	2.019	ug/L	92
67) 1,2-Dichlorobenzene	11.580	146	8741	1.965	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.368	75	1478	1.915	ug/L	91
69) 1,3,5-Trichlorobenzene	12.587	180	6109	1.835	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	5454	1.820	ug/L	98
71) Naphthalene	13.445	128	16279	2.031	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	5868	2.008	ug/L	98

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

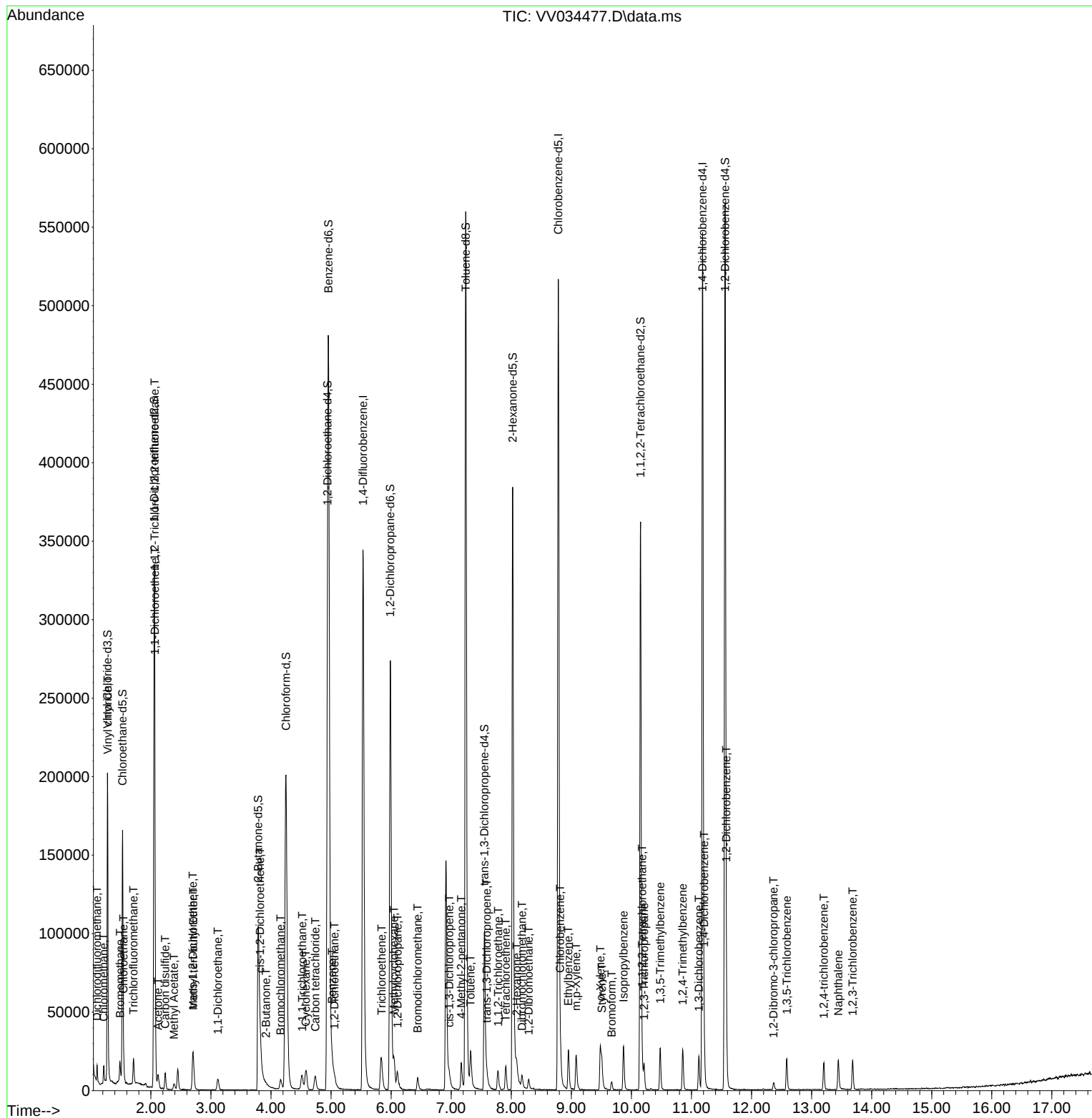
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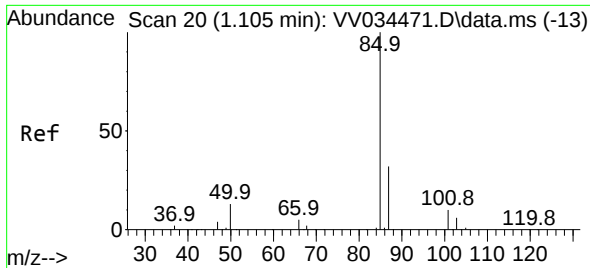
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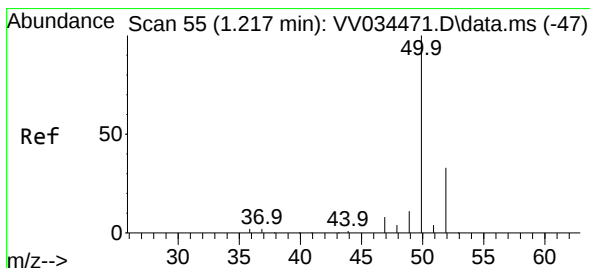
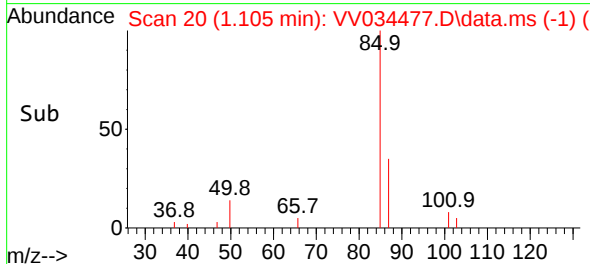
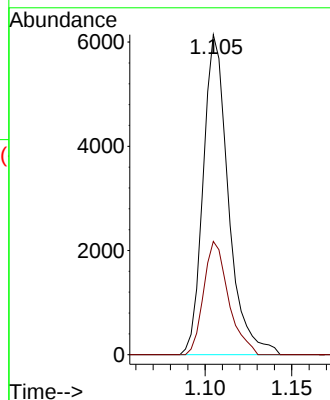
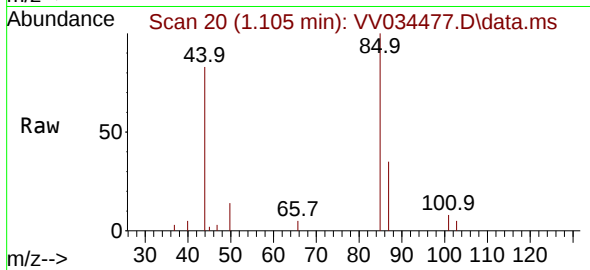
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Dichlorodifluoromethane
Concen: 1.994 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT1-2024-01

Tgt Ion: 85 Resp: 6209
Ion Ratio Lower Upper
85 100
87 34.9 25.5 38.3

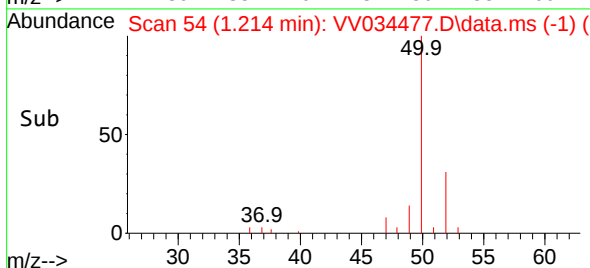
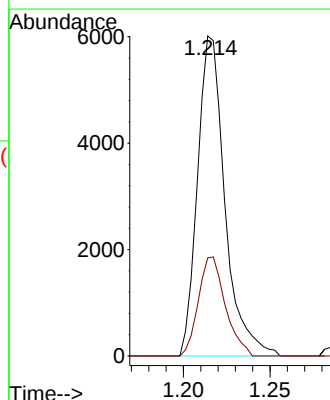
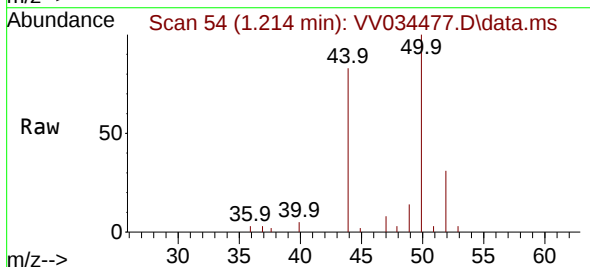
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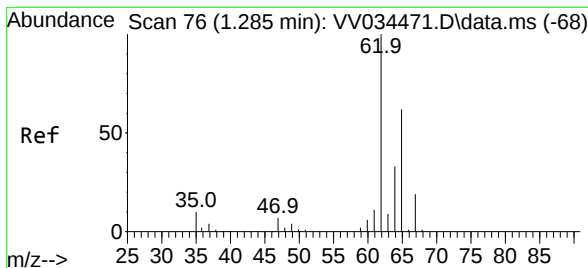
Reviewed By :Mahesh Dadoda 03/01/2024
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#3
Chloromethane
Concen: 2.161 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.003 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Tgt Ion: 50 Resp: 6609
Ion Ratio Lower Upper
50 100
52 30.7 23.0 42.8





#5

Vinyl chloride

Concen: 2.106 ug/L

RT: 1.282 min Scan# 76

Delta R.T. -0.003 min

Lab File: VV034477.D

Acq: 29 Feb 2024 13:22

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2024-01

Tgt Ion: 62 Resp: 625

Ion Ratio Lower Upper

62 100

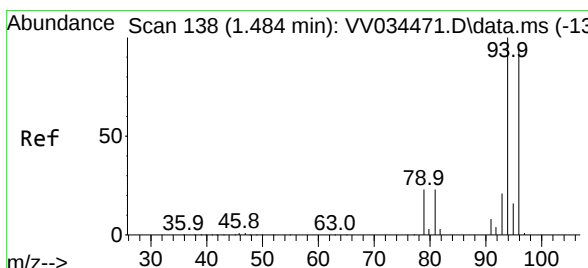
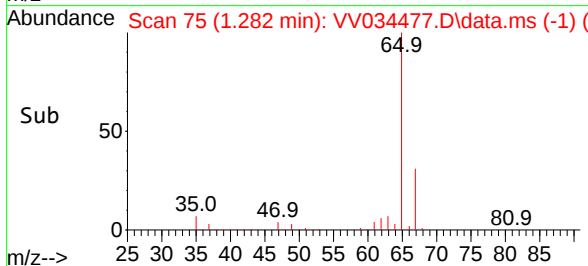
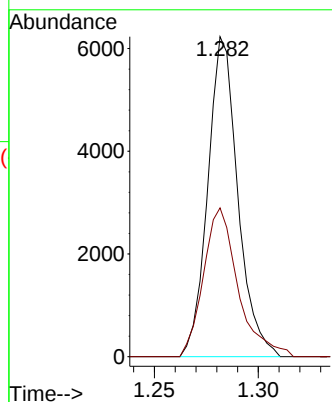
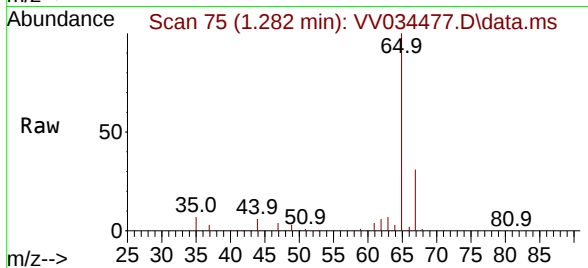
64 46.5 23.4 43.6

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#6

Bromomethane

Concen: 2.367 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.003 min

Lab File: VV034477.D

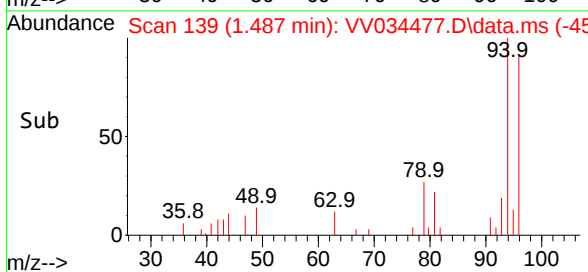
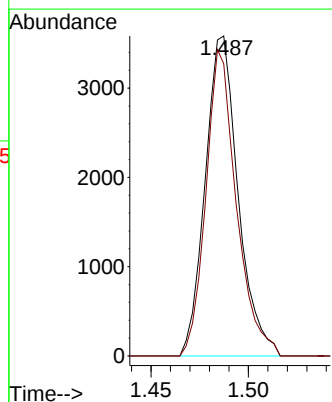
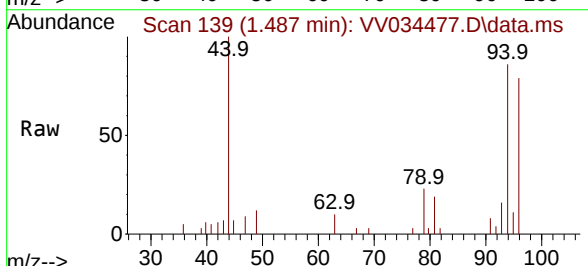
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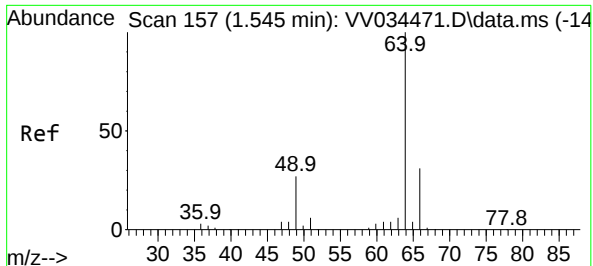
Tgt Ion: 94 Resp: 4216

Ion Ratio Lower Upper

94 100

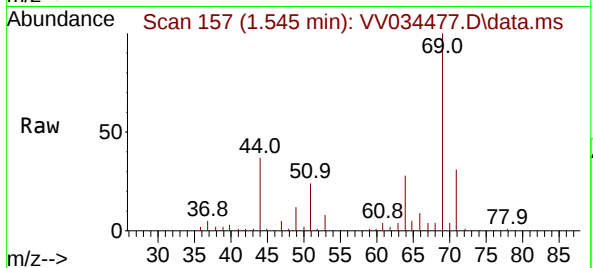
96 91.4 66.0 122.6





#8
Chloroethane
Concen: 2.017 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

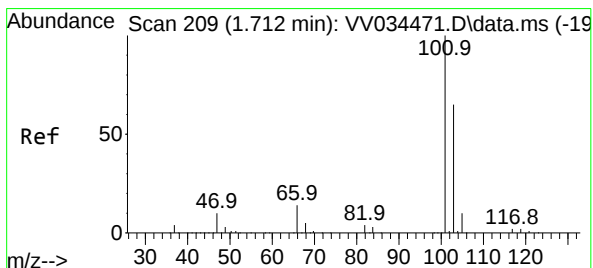
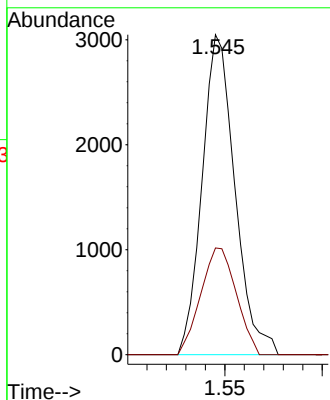
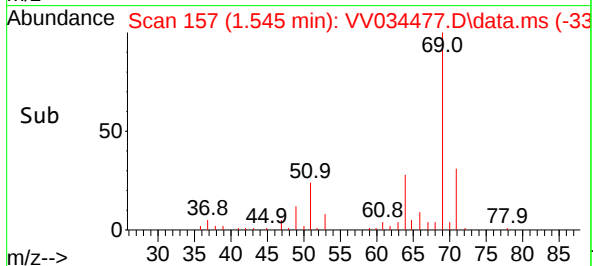
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion: 64 Resp: 3560
Ion Ratio Lower Upper
64 100
66 33.4 22.0 40.8

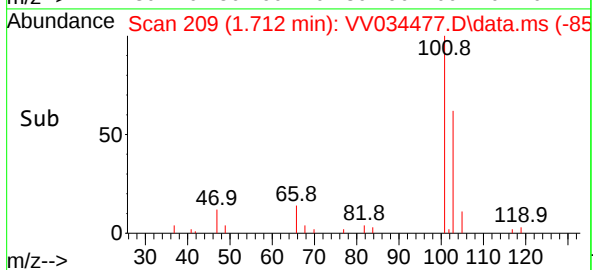
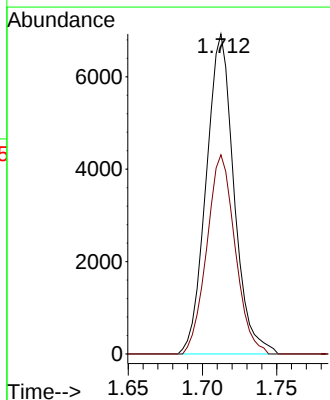
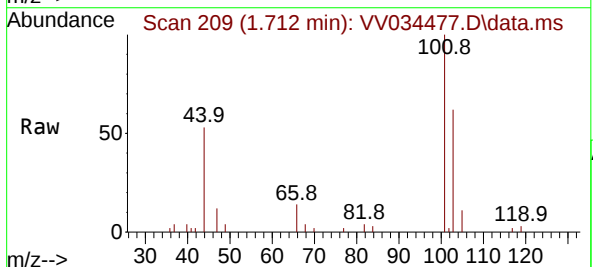
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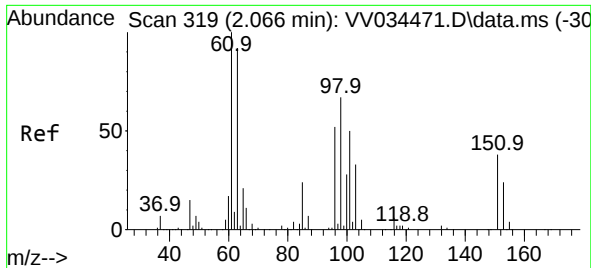
Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#9
Trichlorofluoromethane
Concen: 2.029 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Tgt Ion:101 Resp: 9020
Ion Ratio Lower Upper
101 100
103 63.4 51.8 77.8





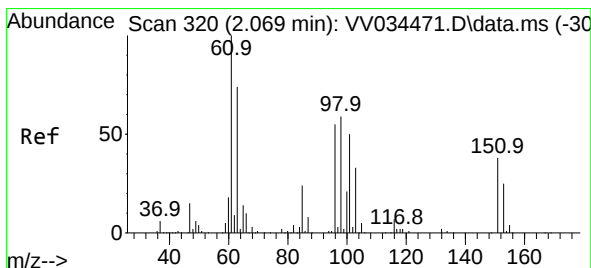
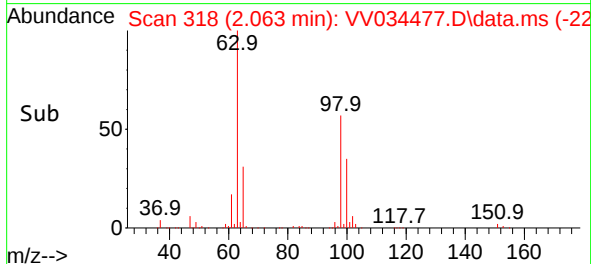
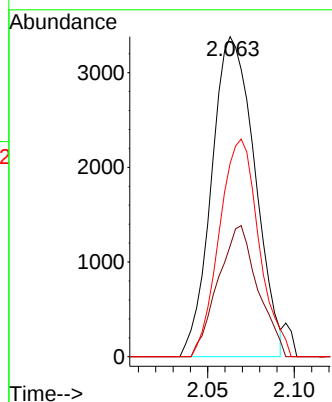
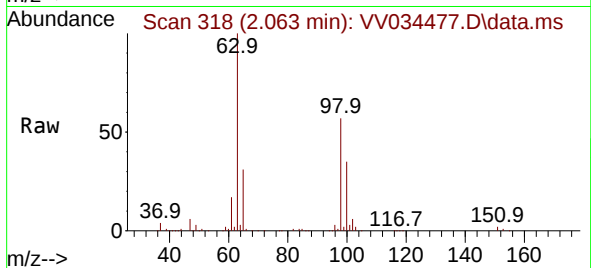
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.448 ug/L
RT: 2.063 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT1-2024-01

Tgt Ion:101 Resp: 5860
Ion Ratio Lower Upper
101 100
85 37.7 37.4 56.0
151 62.2 61.4 92.2

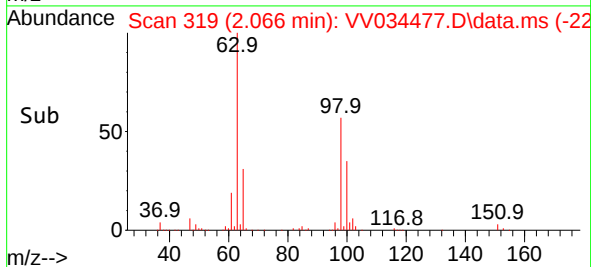
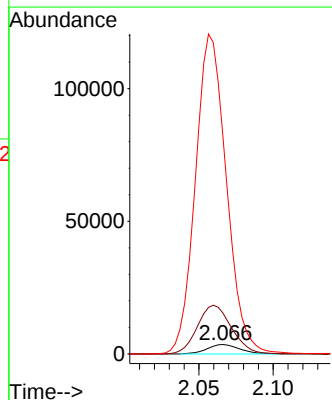
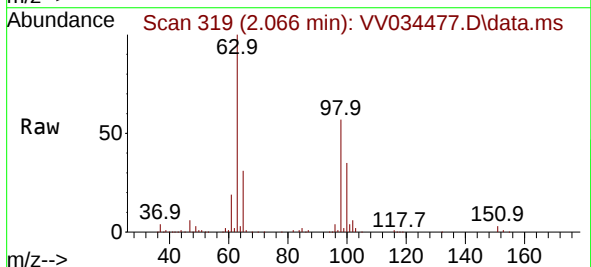
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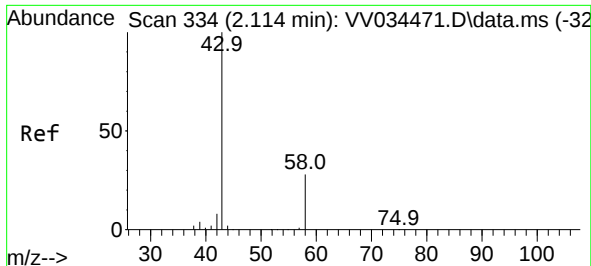
Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#12
1,1-Dichloroethene
Concen: 2.466 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Tgt Ion: 96 Resp: 5479
Ion Ratio Lower Upper
96 100
61 436.9 128.9 239.3#
63 2324.5 98.0 182.0#





#13

Acetone

Concen: 3.932 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV034477.D

Acq: 29 Feb 2024 13:22

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2024-01

Tgt Ion: 43 Resp: 813

Ion Ratio Lower Upper

43 100

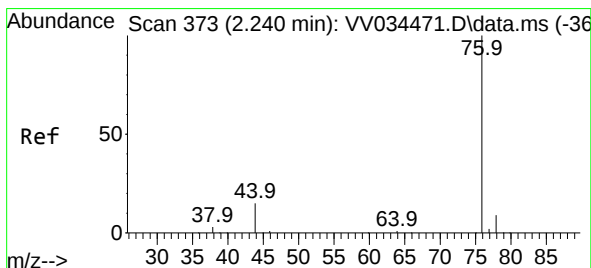
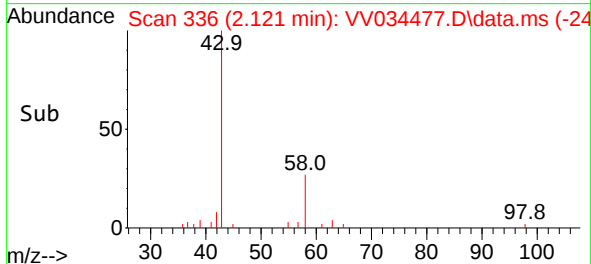
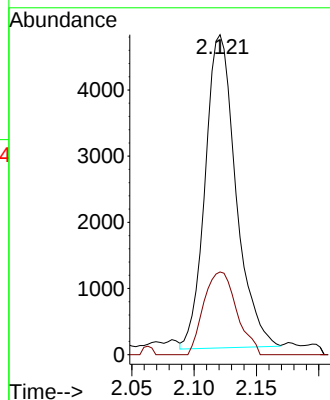
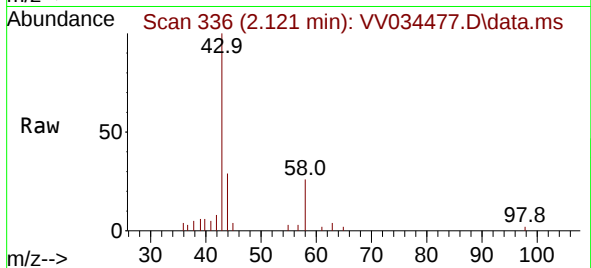
58 28.2 0.0 57.2

Manual Integrations

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#14

Carbon disulfide

Concen: 1.914 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

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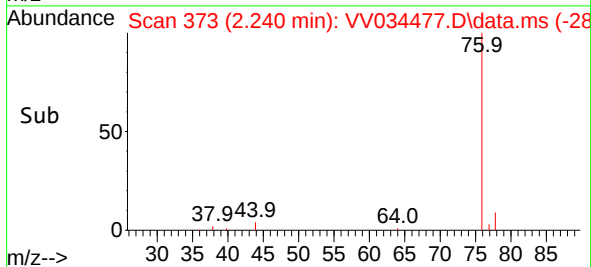
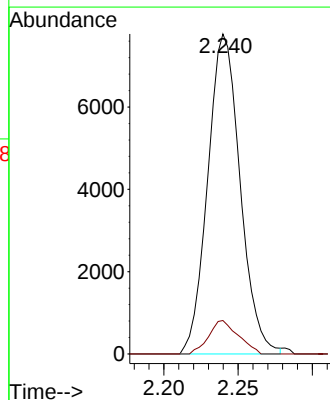
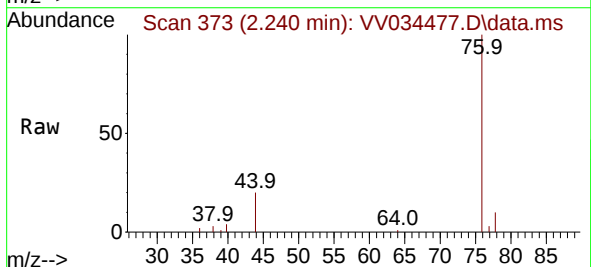
Acq: 29 Feb 2024 13:22

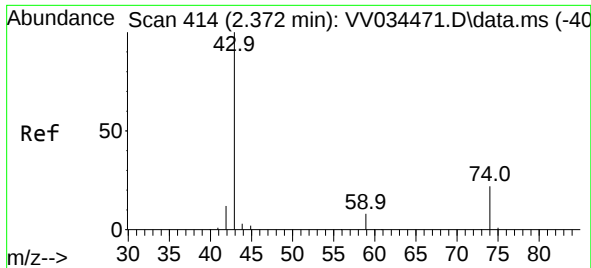
Tgt Ion: 76 Resp: 11802

Ion Ratio Lower Upper

76 100

78 10.4 7.5 11.3





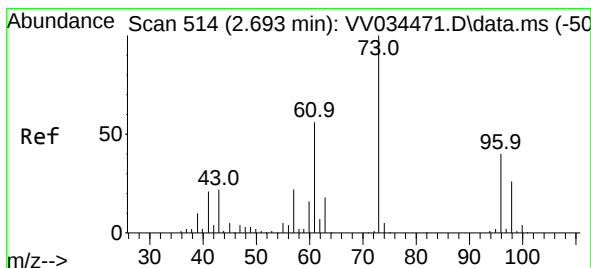
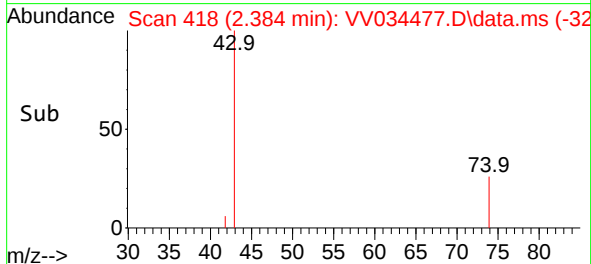
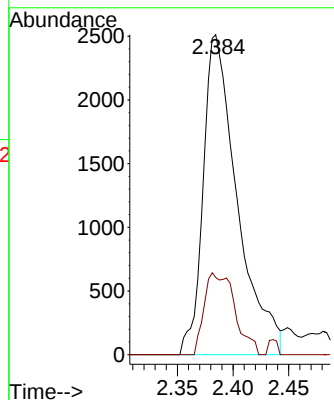
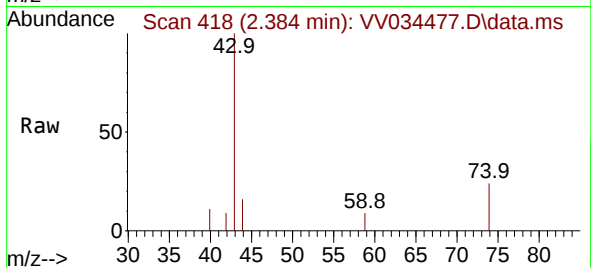
#15
Methyl Acetate
Concen: 2.021 ug/L
RT: 2.384 min Scan# 414
Delta R.T. 0.013 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion: 43 Resp: 5340
Ion Ratio Lower Upper
43 100
74 11.7 17.8 26.8

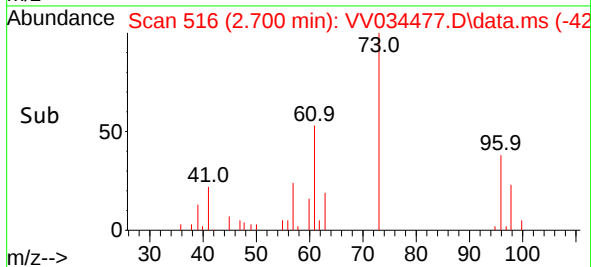
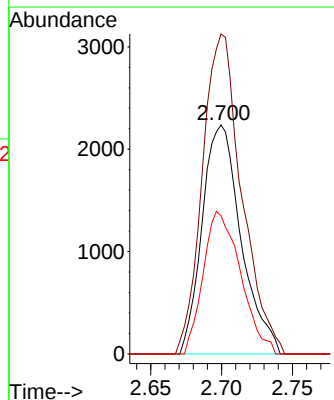
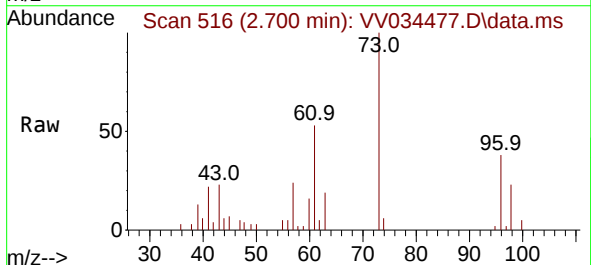
Manual Integrations
APPROVED

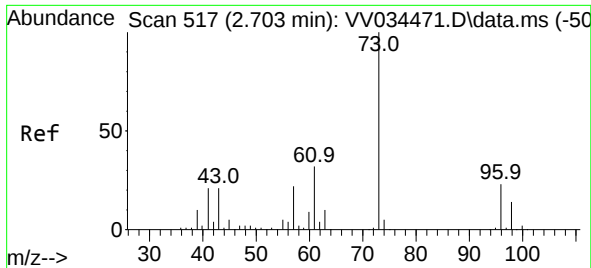
Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#17
trans-1,2-Dichloroethene
Concen: 1.988 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.006 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

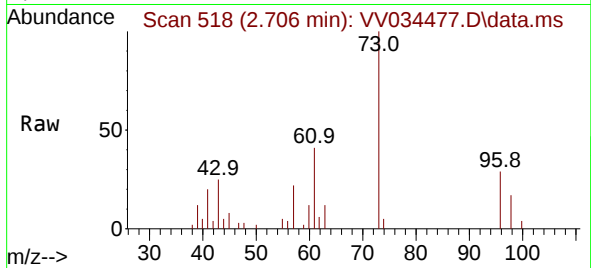
Tgt Ion: 96 Resp: 4276
Ion Ratio Lower Upper
96 100
61 139.8 98.8 183.4
98 60.4 46.1 85.5





#18
Methyl tert-butyl Ether
Concen: 1.844 ug/L
RT: 2.706 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

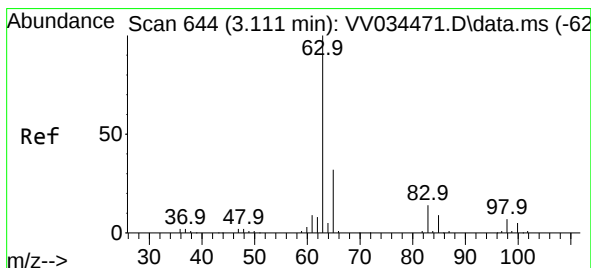
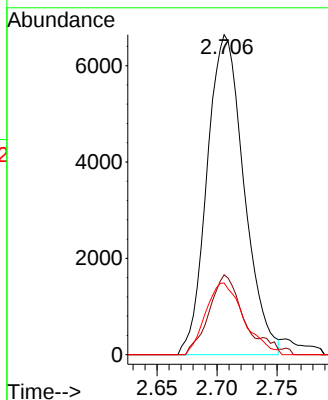
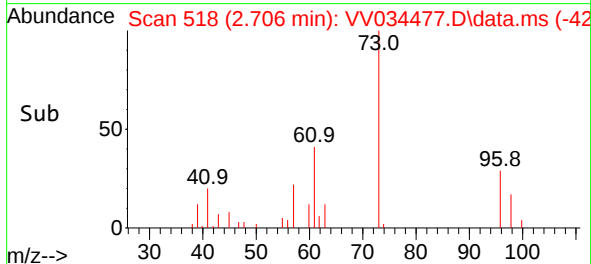
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion: 73 Resp: 1424
Ion Ratio Lower Upper
73 100
43 21.7 17.1 25.7
57 23.0 17.6 26.4

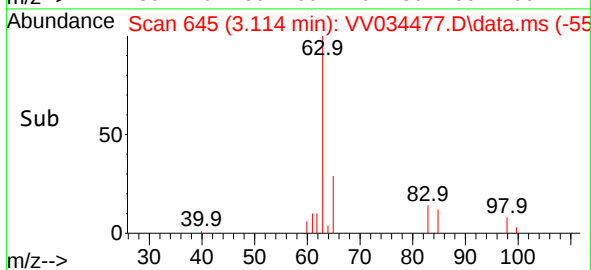
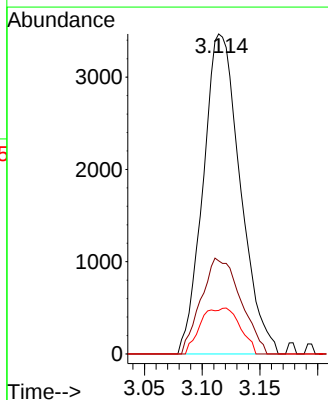
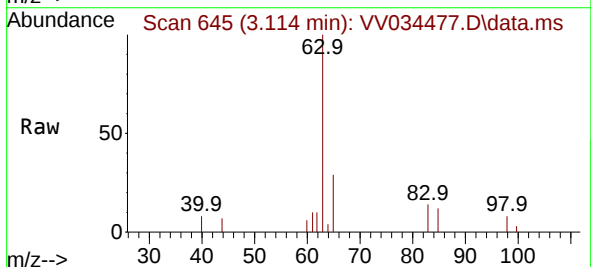
Manual Integrations
APPROVED

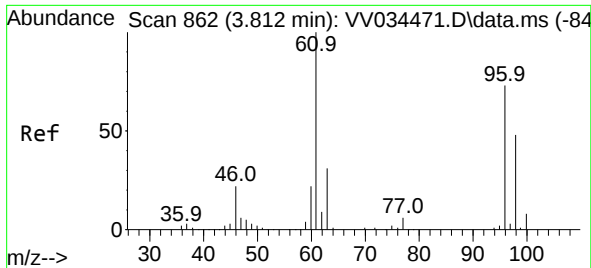
Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#19
1,1-Dichloroethane
Concen: 1.837 ug/L
RT: 3.114 min Scan# 645
Delta R.T. 0.003 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Tgt Ion: 63 Resp: 7737
Ion Ratio Lower Upper
63 100
65 29.1 22.1 41.1
83 13.6 9.9 18.3





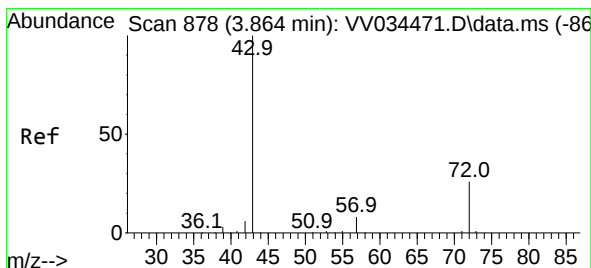
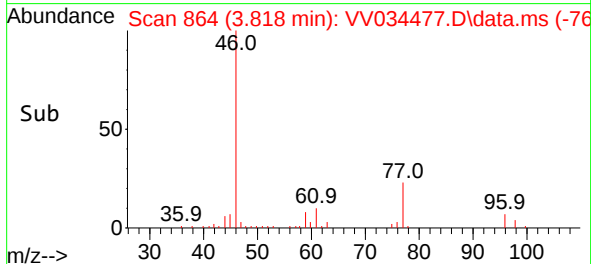
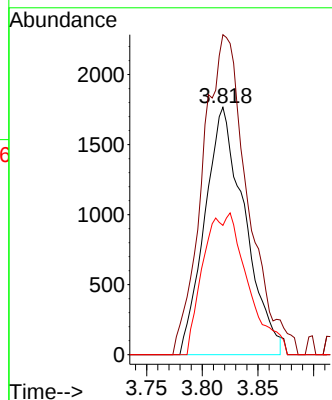
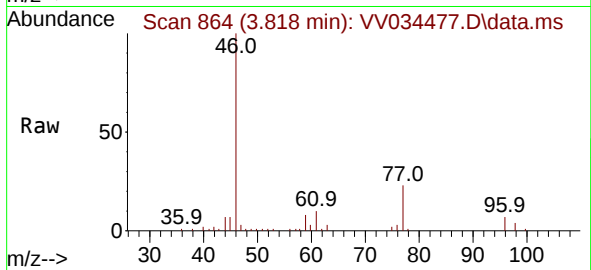
#20
cis-1,2-Dichloroethene
Concen: 1.891 ug/L
RT: 3.818 min Scan# 80
Delta R.T. 0.006 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion: 96 Resp: 441
Ion Ratio Lower Upper
96 100
61 129.4 96.0 178.4
98 52.3 46.0 85.4

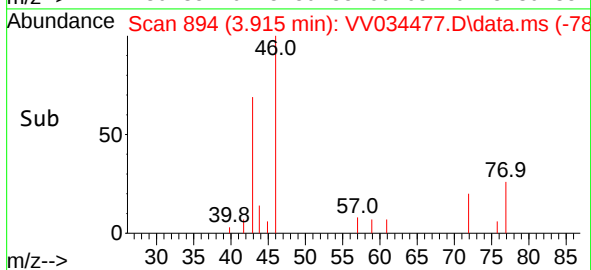
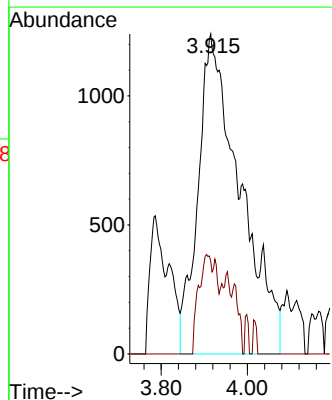
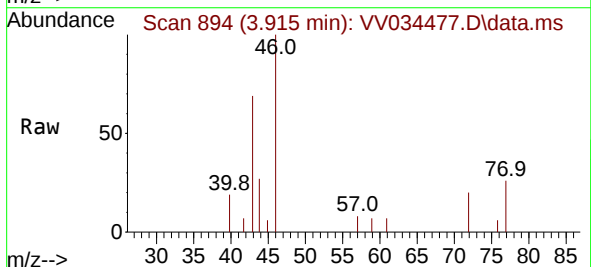
Manual Integrations
APPROVED

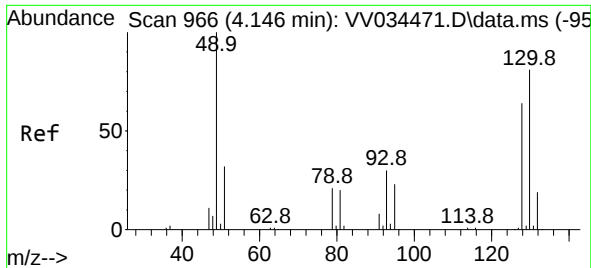
Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#22
2-Butanone
Concen: 4.102 ug/L m
RT: 3.915 min Scan# 894
Delta R.T. 0.051 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

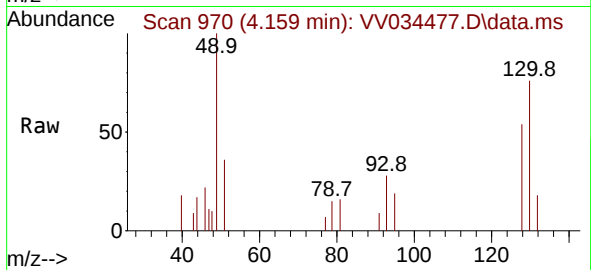
Tgt Ion: 43 Resp: 8377
Ion Ratio Lower Upper
43 100
72 2.5 11.5 34.4#





#23
Bromochloromethane
Concen: 1.903 ug/L
RT: 4.159 min Scan# 91
Delta R.T. 0.013 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

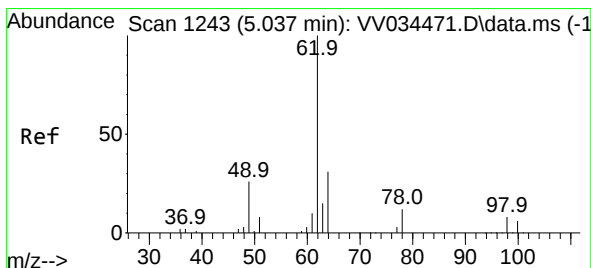
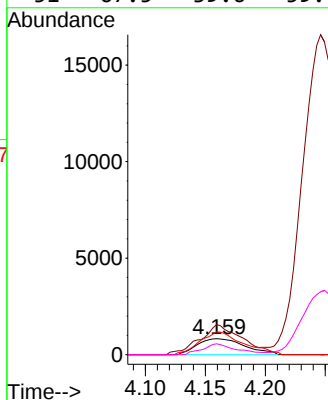
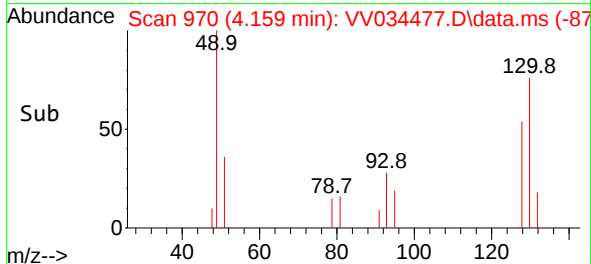
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion:128 Resp: 2290
Ion Ratio Lower Upper
128 100
49 186.3 109.4 203.2
130 140.9 87.7 162.9
51 67.5 39.6 59.4#

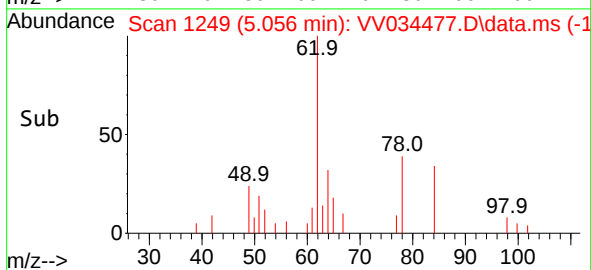
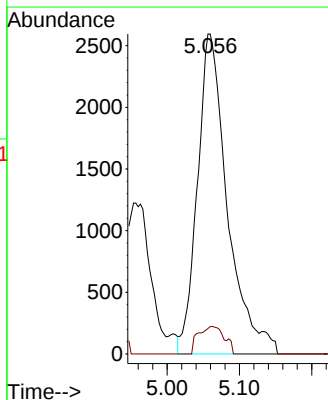
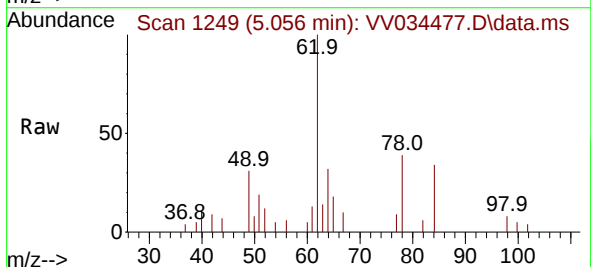
Manual Integrations
APPROVED

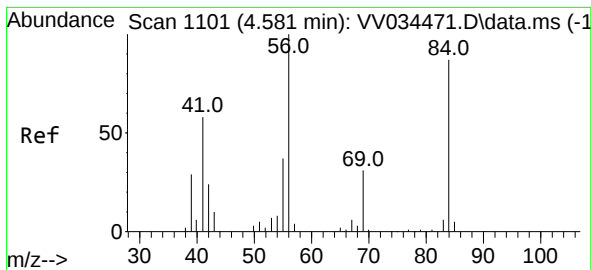
Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#27
1,2-Dichloroethane
Concen: 2.106 ug/L m
RT: 5.056 min Scan# 1249
Delta R.T. 0.019 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Tgt Ion: 62 Resp: 7473
Ion Ratio Lower Upper
62 100
98 7.9 6.6 10.0





#29

Cyclohexane

Concen: 1.868 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. -0.000 min

Lab File: VV034477.D

Acq: 29 Feb 2024 13:22

Instrument :

MSVOA_V

ClientSampleId :

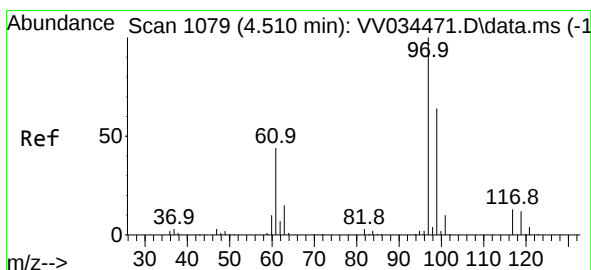
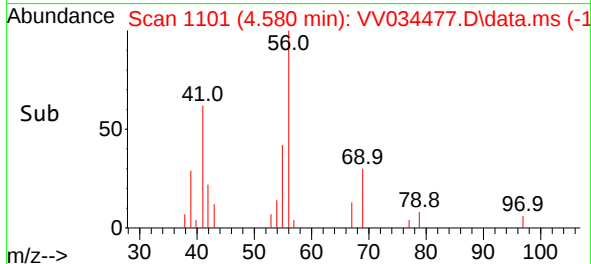
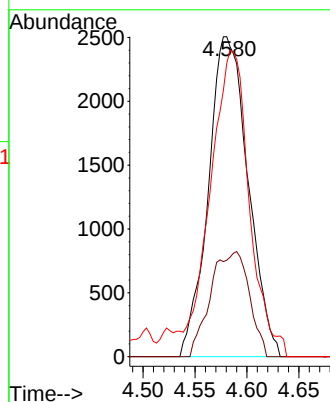
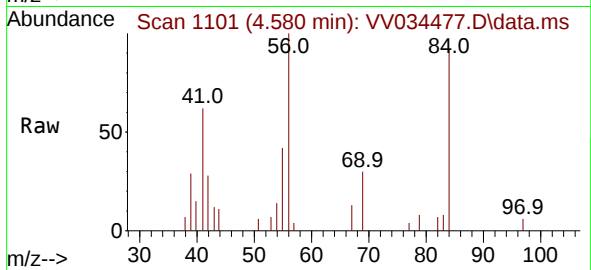
MDL-WATER-QT1-2024-01

Tgt Ion: 56	Resp: 665
Ion Ratio	Lower Upper
56 100	
69 12.9	24.2 36.4
84 80.1	70.5 105.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#30

1,1,1-Trichloroethane

Concen: 1.928 ug/L

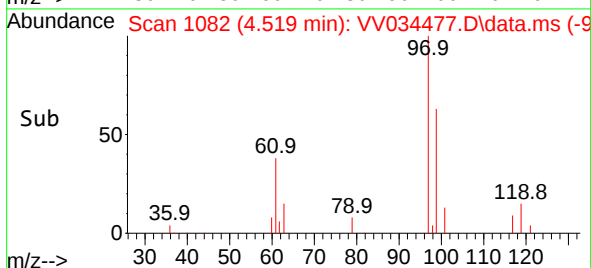
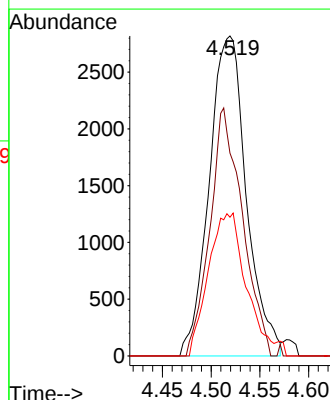
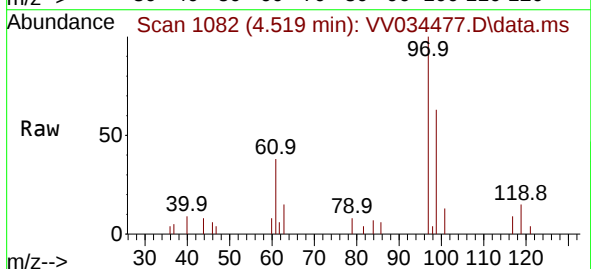
RT: 4.519 min Scan# 1082

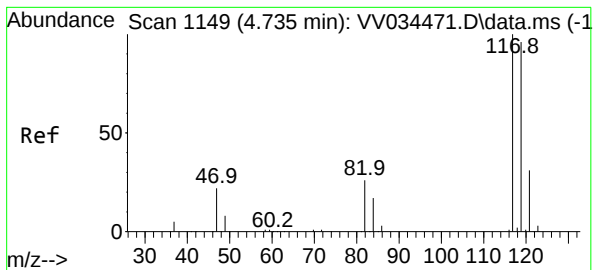
Delta R.T. 0.010 min

Lab File: VV034477.D

Acq: 29 Feb 2024 13:22

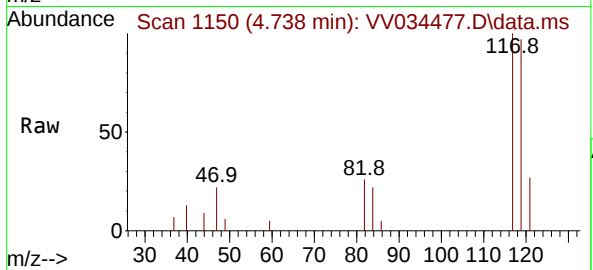
Tgt Ion: 97	Resp: 7489
Ion Ratio	Lower Upper
97 100	
99 67.8	51.3 76.9
61 45.0	36.0 54.0





#31
Carbon tetrachloride
Concen: 1.967 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

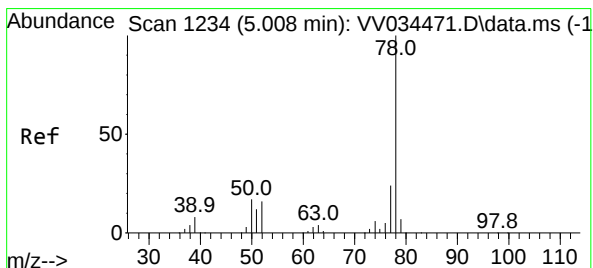
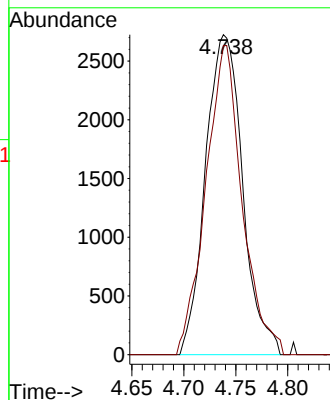
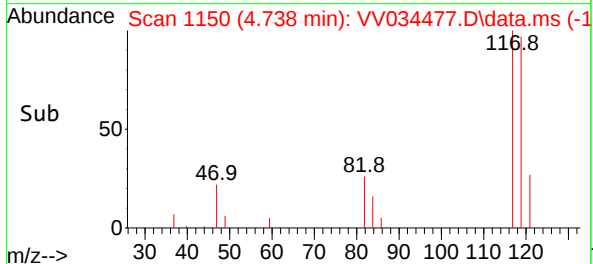
Instrument : MSVOA_V
ClientSampleId : VV034477.D
MDL-WATER-QT1-2024-01



Tgt Ion:117 Resp: 6760
Ion Ratio Lower Upper
117 100
119 94.6 77.5 116.3

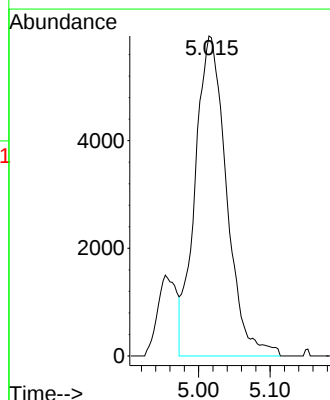
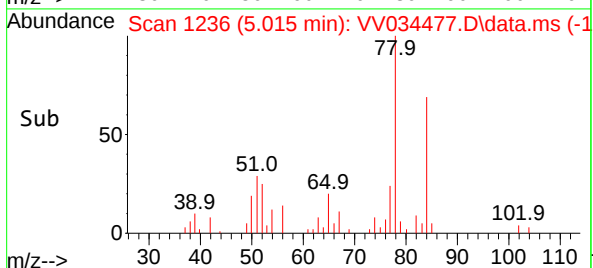
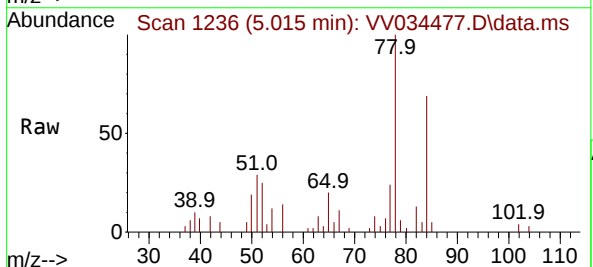
Manual Integrations
APPROVED

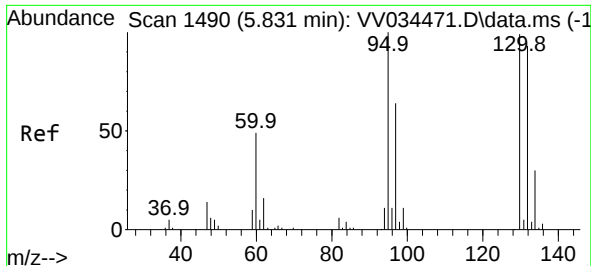
Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#33
Benzene
Concen: 2.159 ug/L m
RT: 5.015 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

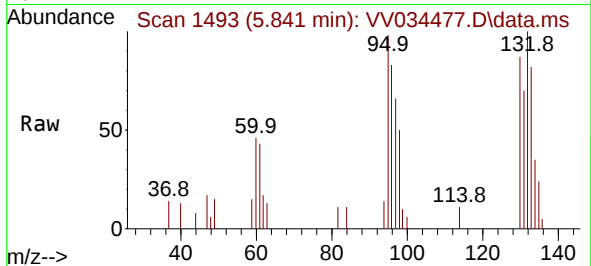
Tgt Ion: 78 Resp: 18154





#34
Trichloroethene
Concen: 1.910 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.010 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

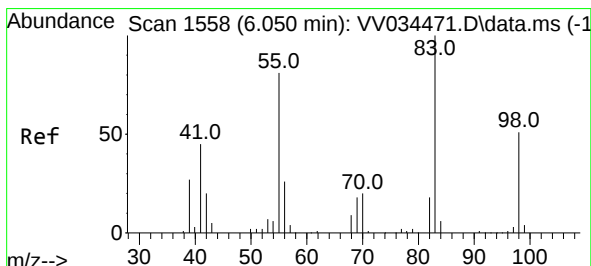
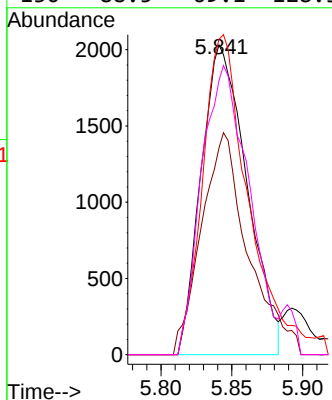
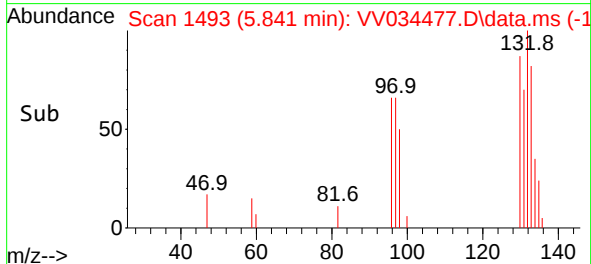
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion: 95 Resp: 456
Ion Ratio Lower Upper
95 100
97 66.7 44.7 83.1
132 101.8 65.3 121.3
130 88.5 69.1 128.3

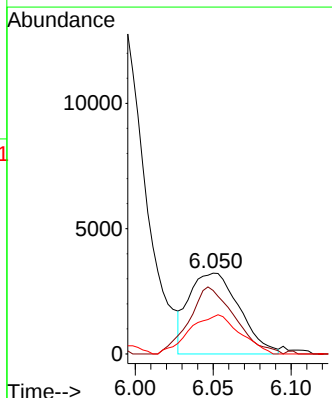
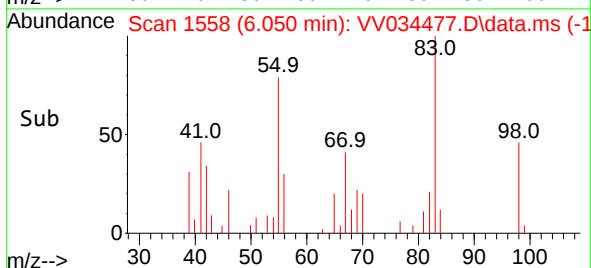
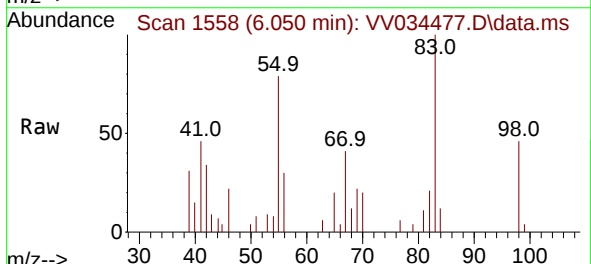
Manual Integrations
APPROVED

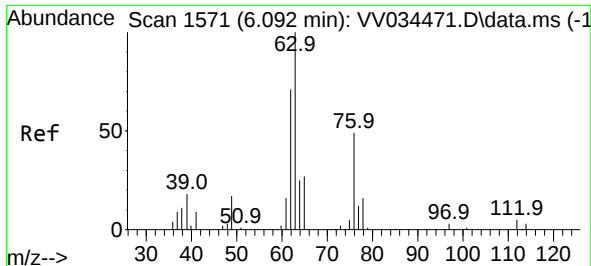
Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#35
Methylcyclohexane
Concen: 1.993 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. -0.000 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Tgt Ion: 83 Resp: 7241
Ion Ratio Lower Upper
83 100
55 74.5 62.6 94.0
98 48.1 39.5 59.3





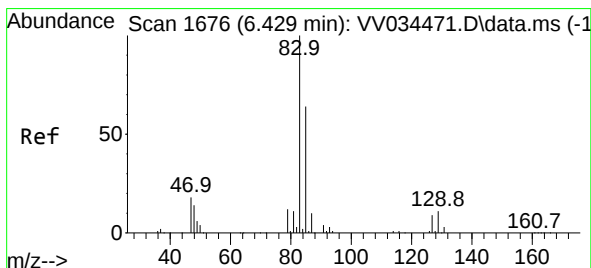
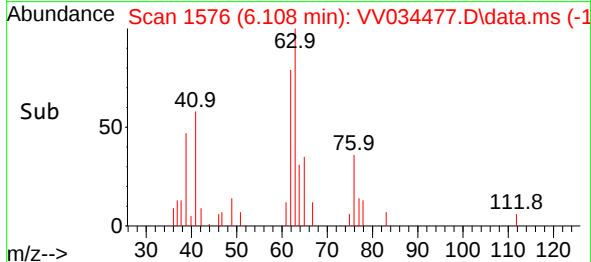
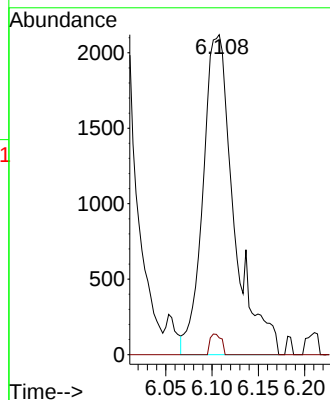
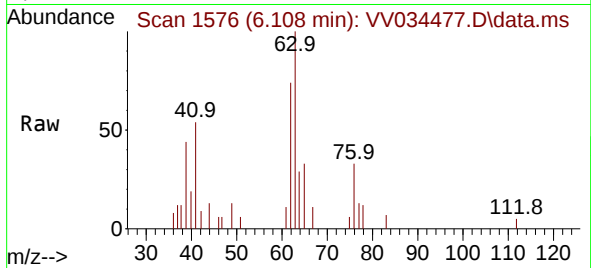
#37
1,2-Dichloropropane
Concen: 2.246 ug/L m
RT: 6.108 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion: 63 Resp: 494
Ion Ratio Lower Upper
63 100
112 2.3 3.5 5.3

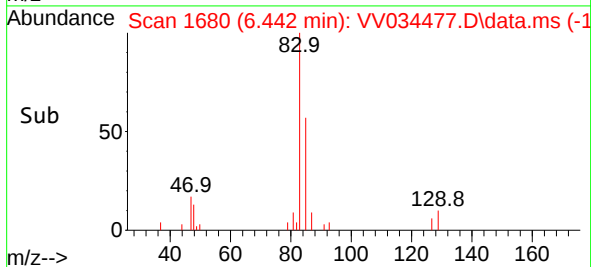
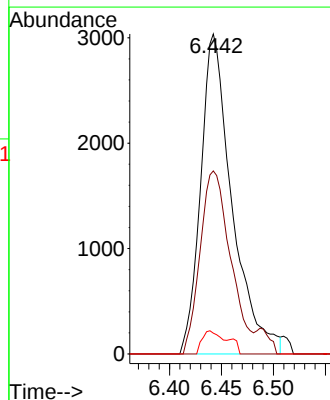
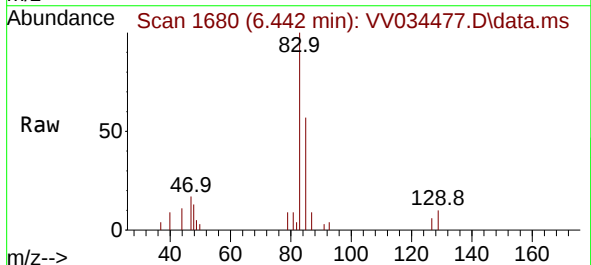
Manual Integrations
APPROVED

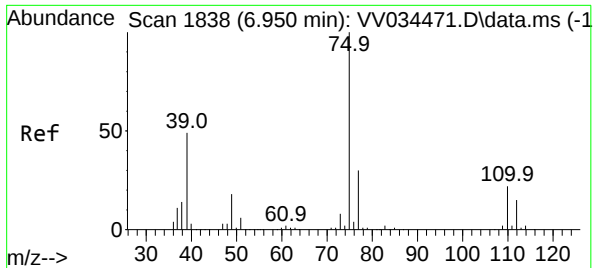
Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#38
Bromodichloromethane
Concen: 2.055 ug/L
RT: 6.442 min Scan# 1680
Delta R.T. 0.013 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Tgt Ion: 83 Resp: 6363
Ion Ratio Lower Upper
83 100
85 57.2 44.6 82.8
127 6.5 6.9 10.3





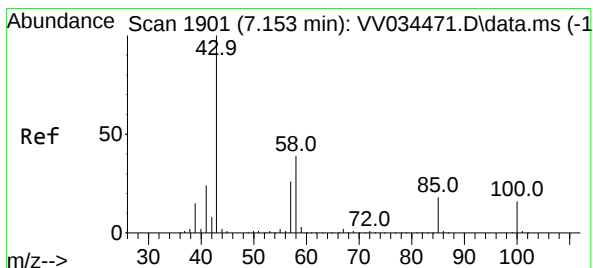
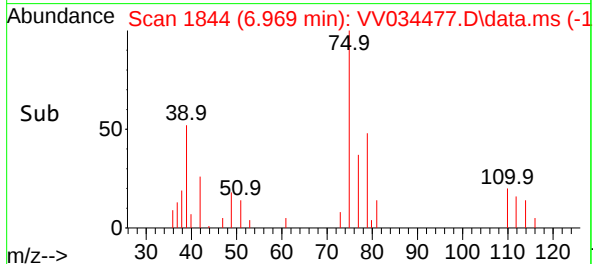
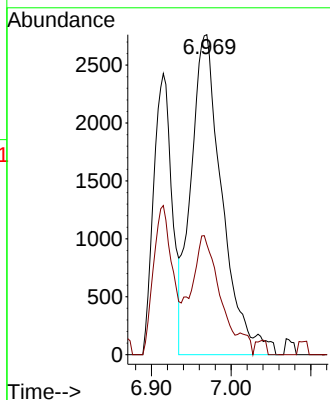
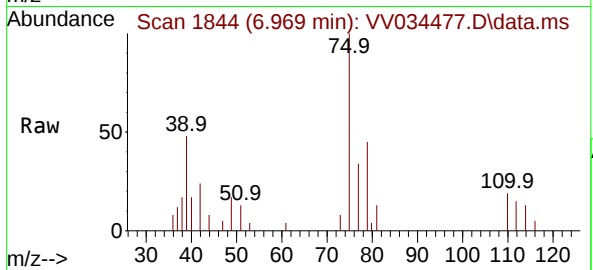
#39
 cis-1,3-Dichloropropene
 Concen: 2.104 ug/L m
 RT: 6.969 min Scan# 11
 Delta R.T. 0.019 min
 Lab File: VV034477.D
 Acq: 29 Feb 2024 13:22

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2024-01

Tgt Ion: 75 Resp: 7504
 Ion Ratio Lower Upper
 75 100
 77 34.5 20.9 38.9

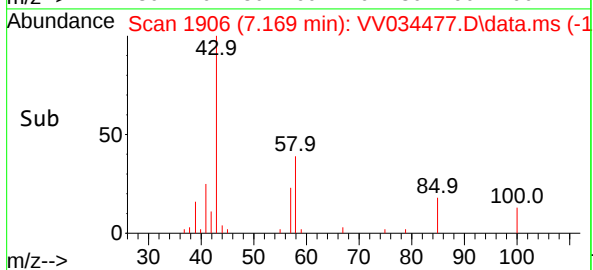
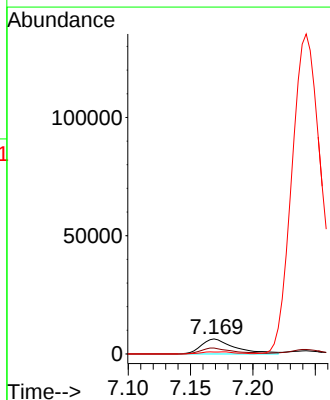
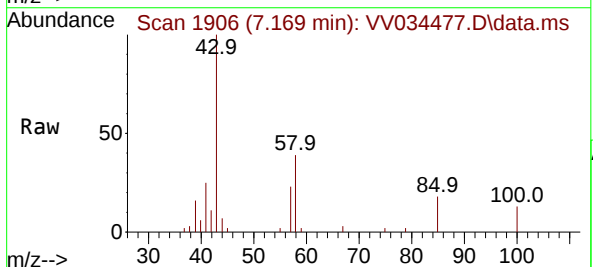
Manual Integrations
 APPROVED

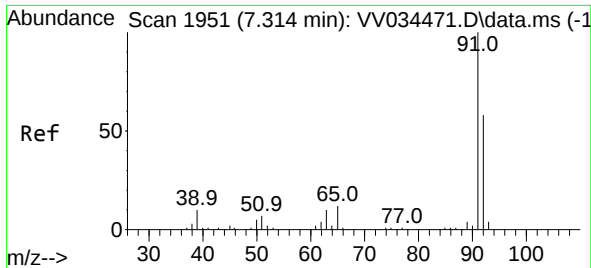
Reviewed By :Mahesh Dadoda 03/01/2024
 Supervised By :Semsettin Yesilyurt 03/01/2024



#40
 4-Methyl-2-pentanone
 Concen: 3.668 ug/L
 RT: 7.169 min Scan# 1906
 Delta R.T. 0.016 min
 Lab File: VV034477.D
 Acq: 29 Feb 2024 13:22

Tgt Ion: 43 Resp: 11907
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.6 46.0
 100 7.5 12.5 18.7#





#42

Toluene

Concen: 1.915 ug/L

RT: 7.323 min Scan# 1951

Delta R.T. 0.010 min

Lab File: VV034477.D

Acq: 29 Feb 2024 13:22

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2024-01

Tgt Ion: 91 Resp: 1704

Ion Ratio Lower Upper

91 100

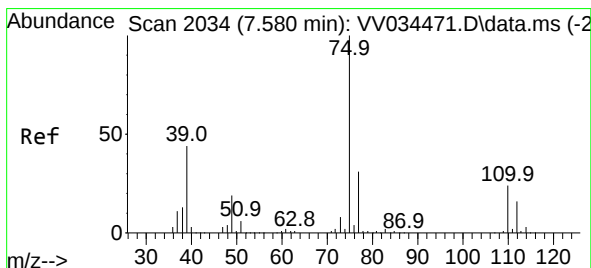
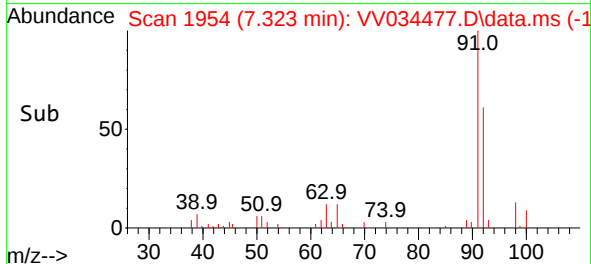
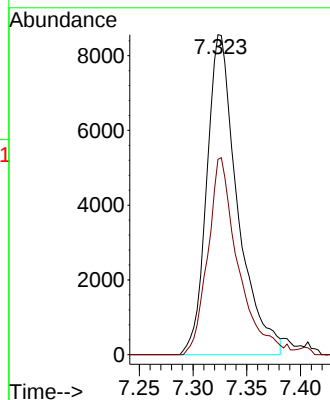
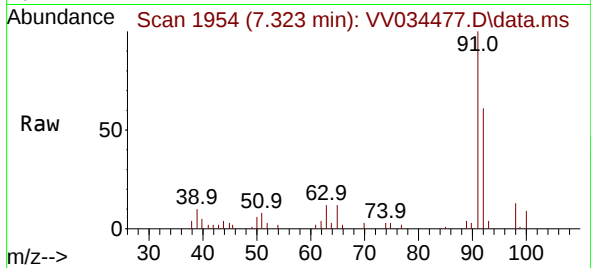
92 61.0 40.5 75.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/01/2024

Supervised By :Semsettin Yesilyurt 03/01/2024



#44

trans-1,3-Dichloropropene

Concen: 1.916 ug/L

RT: 7.593 min Scan# 2038

Delta R.T. 0.013 min

Lab File: VV034477.D

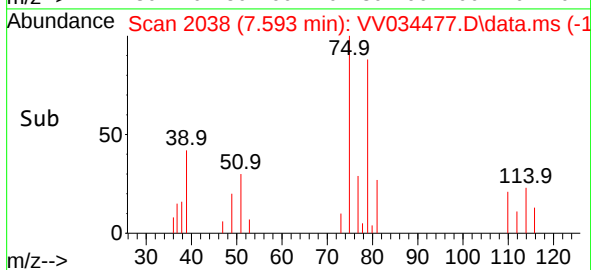
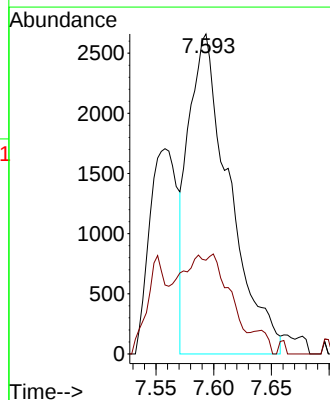
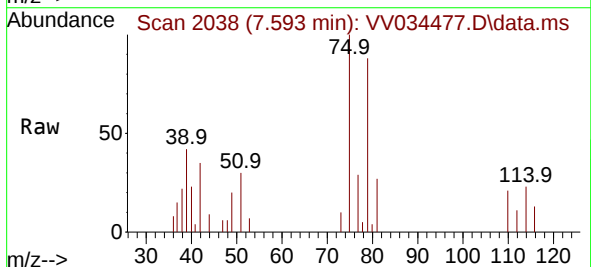
Acq: 29 Feb 2024 13:22

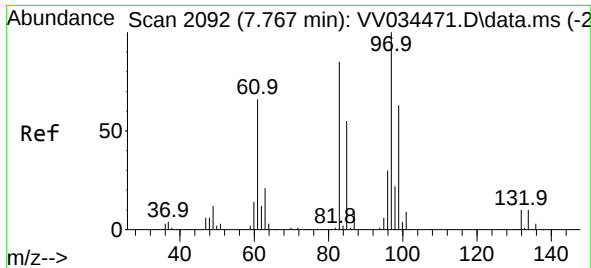
Tgt Ion: 75 Resp: 6571

Ion Ratio Lower Upper

75 100

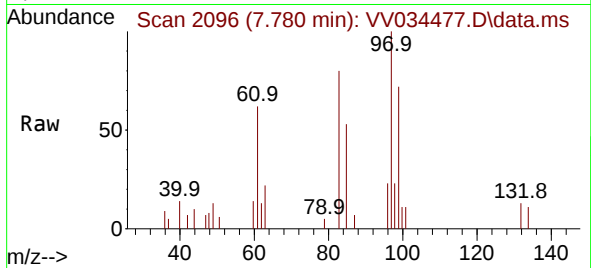
77 29.3 21.8 40.4





#45
1,1,2-Trichloroethane
Concen: 1.897 ug/L
RT: 7.780 min Scan# 2092
Delta R.T. 0.013 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2024-01

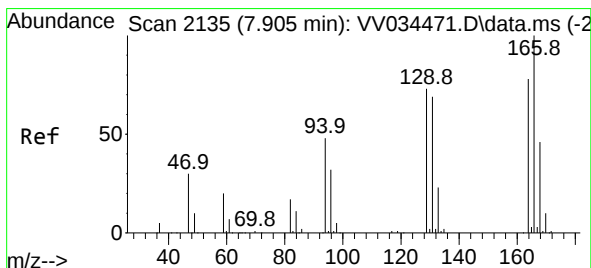
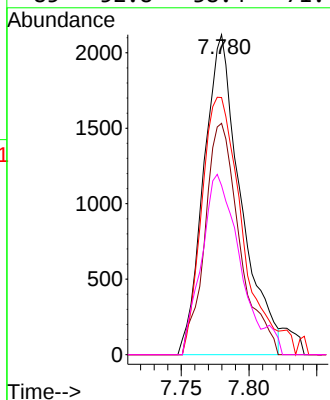
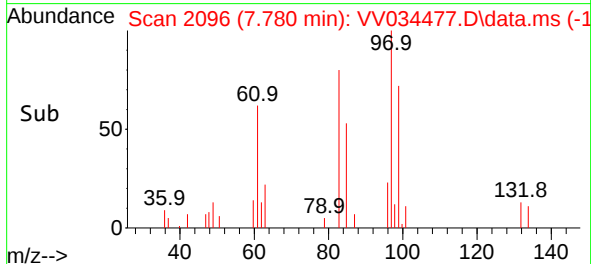


Tgt Ion: 97 Resp: 4030

Ion	Ratio	Lower	Upper
97	100		
99	72.3	43.8	81.4
83	80.3	59.4	110.2
85	52.8	38.4	71.4

Manual Integrations
APPROVED

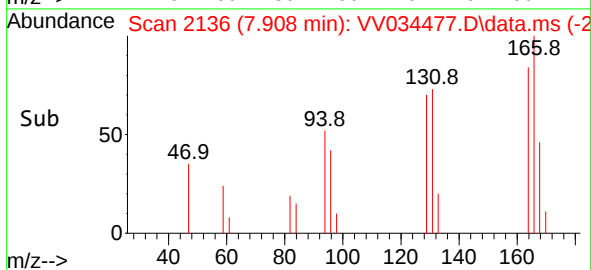
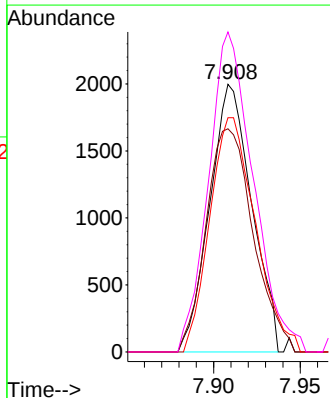
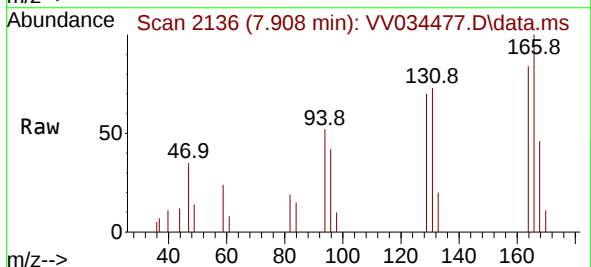
Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024

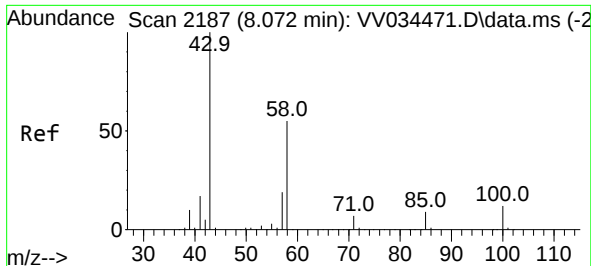


#46
Tetrachloroethene
Concen: 1.896 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Tgt Ion:164 Resp: 3370

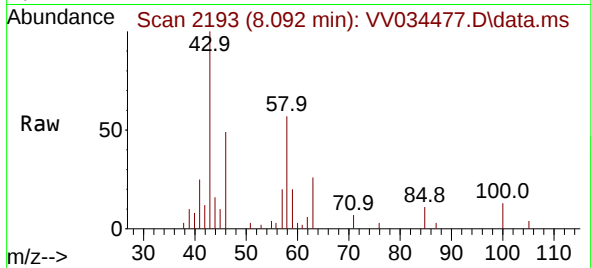
Ion	Ratio	Lower	Upper
164	100		
129	83.4	65.7	121.9
131	87.5	62.2	115.6
166	119.5	89.7	166.7





#48
2-Hexanone
Concen: 5.470 ug/L m
RT: 8.092 min Scan# 2187
Delta R.T. 0.019 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

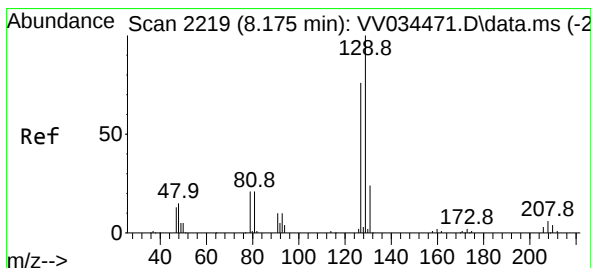
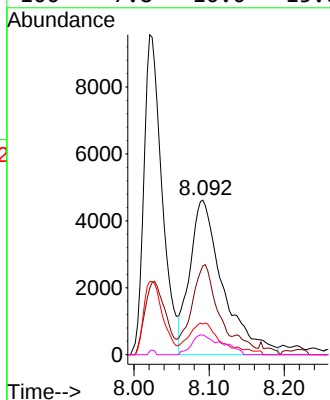
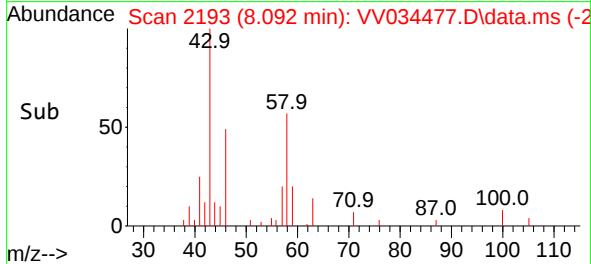
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion: 43 Resp: 14149
Ion Ratio Lower Upper
43 100
58 34.4 42.0 63.0
57 5.6 15.2 22.8
100 7.8 10.0 15.0

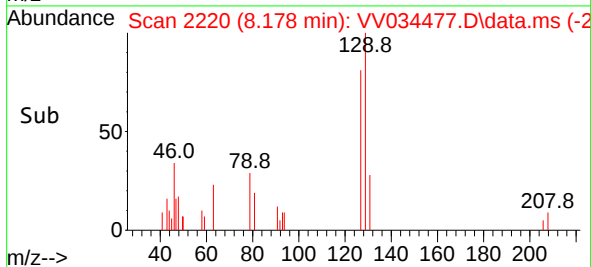
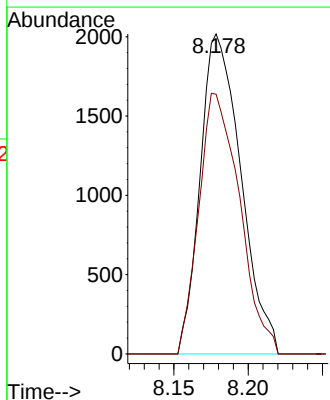
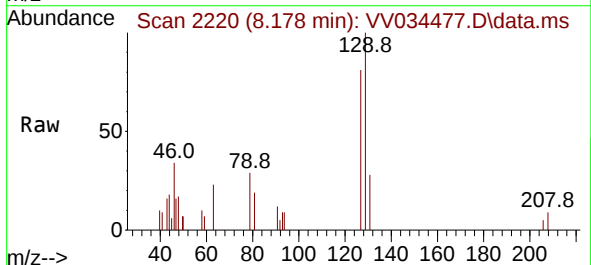
Manual Integrations
APPROVED

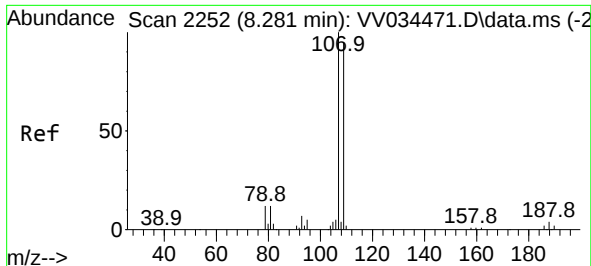
Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#49
Dibromochloromethane
Concen: 1.713 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

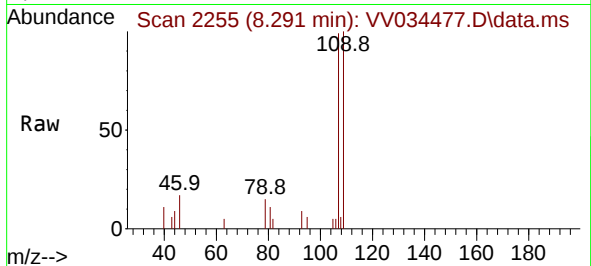
Tgt Ion:129 Resp: 3839
Ion Ratio Lower Upper
129 100
127 81.2 53.3 98.9





#50
1,2-Dibromoethane
Concen: 2.002 ug/L m
RT: 8.291 min Scan# 2418
Delta R.T. 0.010 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

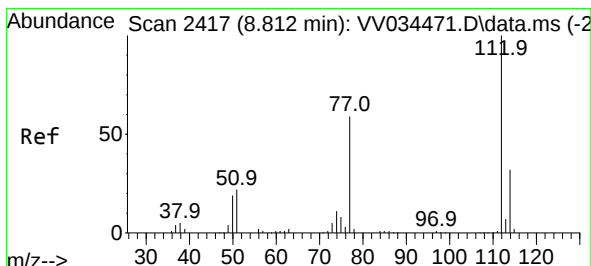
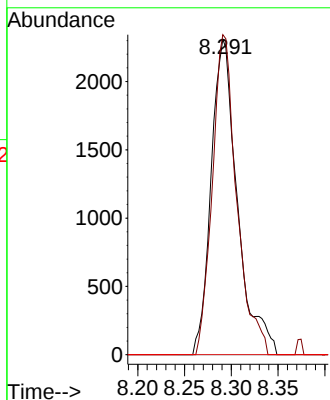
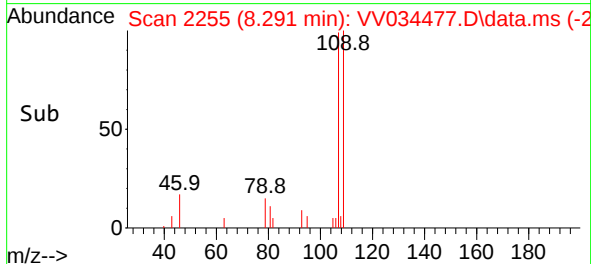
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion:107 Resp: 451
Ion Ratio Lower Upper
107 100
109 101.5 66.5 123.5
188 0.0 3.4 5.2

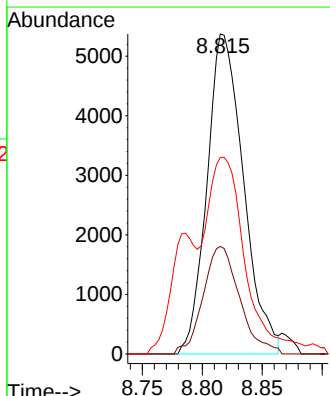
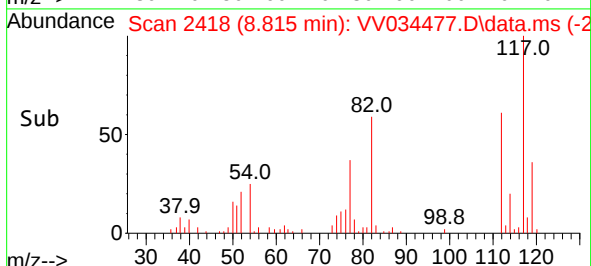
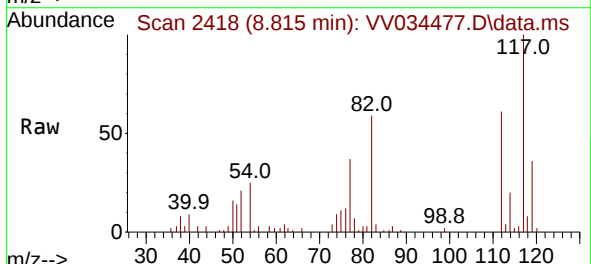
Manual Integrations
APPROVED

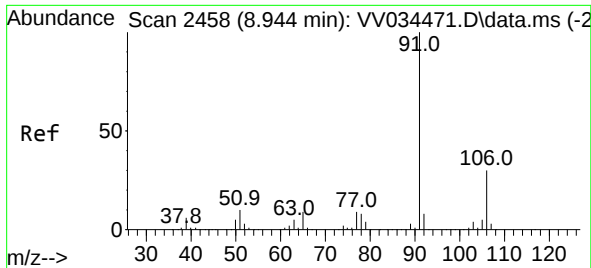
Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#51
Chlorobenzene
Concen: 1.980 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.003 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Tgt Ion:112 Resp: 11393
Ion Ratio Lower Upper
112 100
114 33.6 22.3 41.5
77 61.4 47.7 71.5





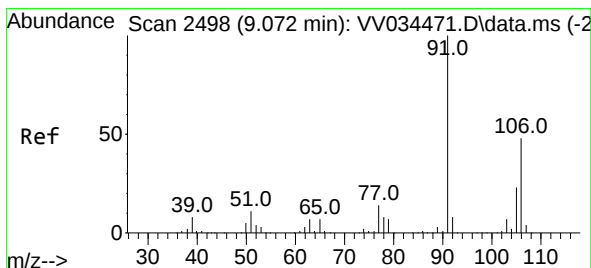
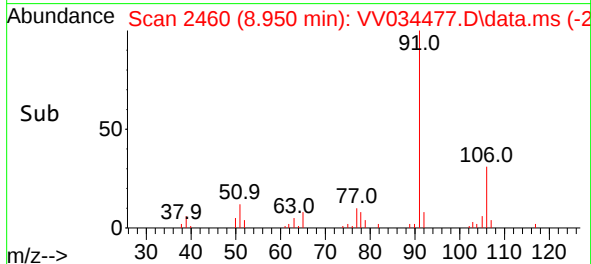
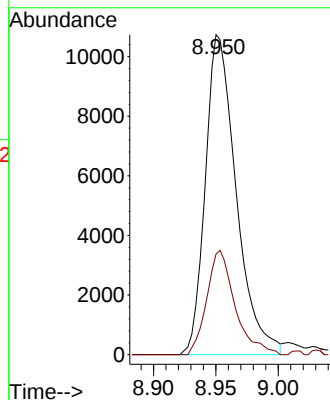
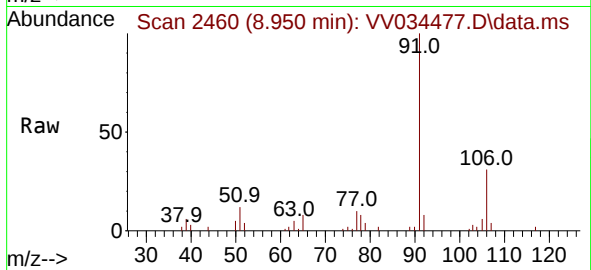
#52
Ethylbenzene
Concen: 1.855 ug/L
RT: 8.950 min Scan# 2458
Delta R.T. 0.006 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion: 91 Resp: 18490
Ion Ratio Lower Upper
91 100
106 31.5 21.3 39.5

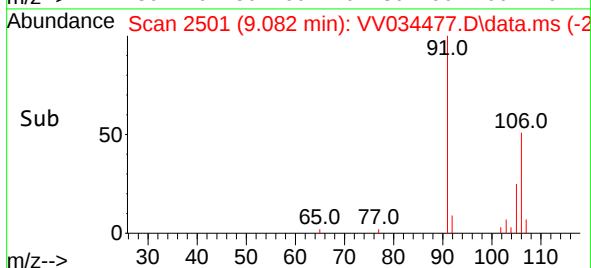
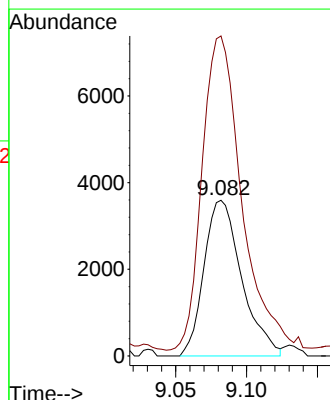
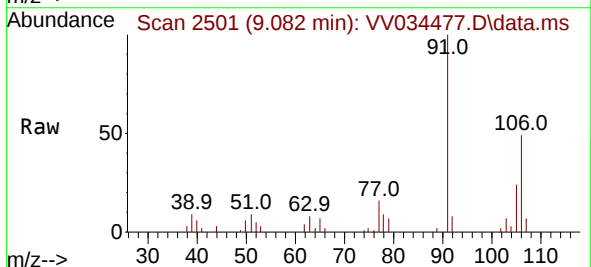
Manual Integrations
APPROVED

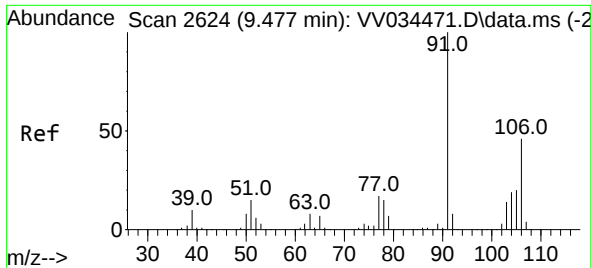
Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#53
m,p-Xylene
Concen: 1.755 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.010 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Tgt Ion:106 Resp: 6642
Ion Ratio Lower Upper
106 100
91 205.6 145.3 269.9





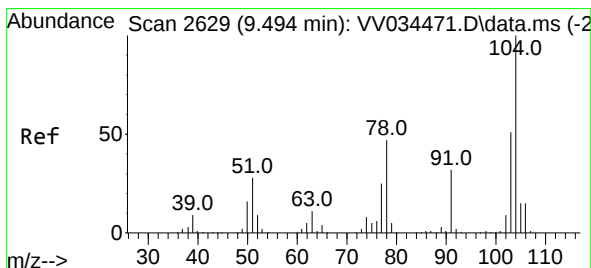
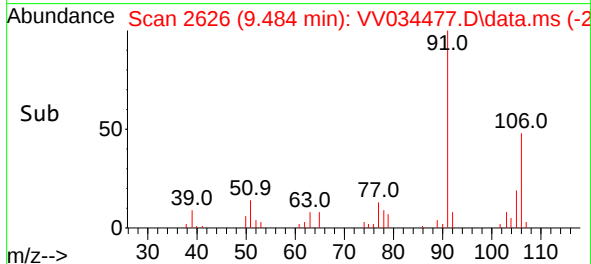
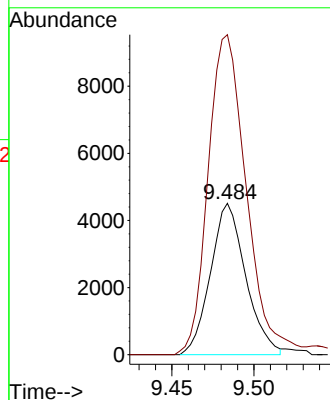
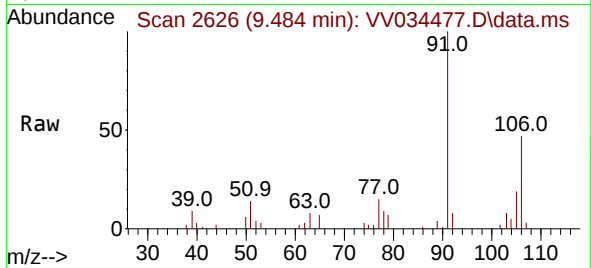
#54
o-Xylene
Concen: 1.817 ug/L
RT: 9.484 min Scan# 2624
Delta R.T. 0.006 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion:106 Resp: 673
Ion Ratio Lower Upper
106 100
91 211.4 152.2 282.7

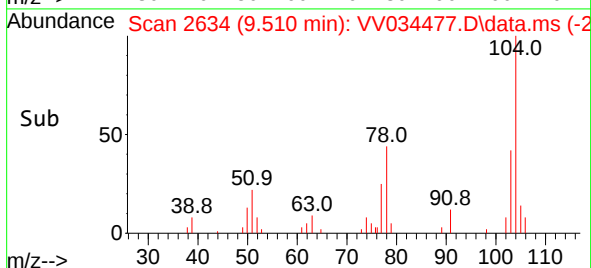
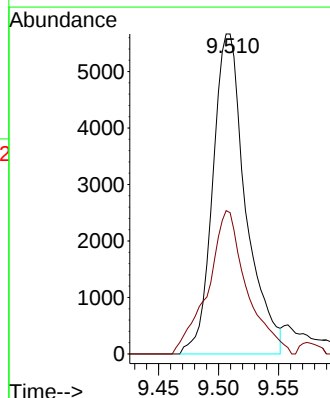
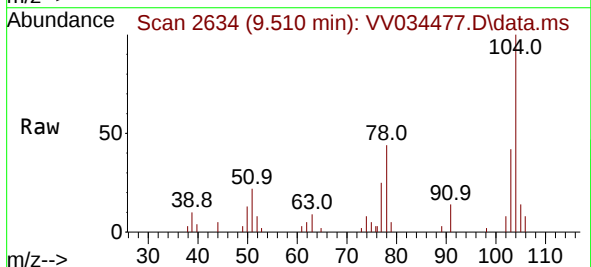
Manual Integrations
APPROVED

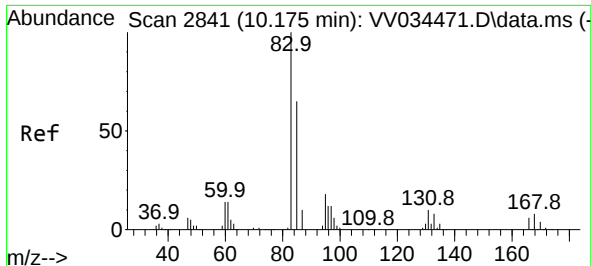
Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#55
Styrene
Concen: 1.728 ug/L
RT: 9.510 min Scan# 2634
Delta R.T. 0.016 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Tgt Ion:104 Resp: 10838
Ion Ratio Lower Upper
104 100
78 44.1 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 2.332 ug/L

RT: 10.178 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV034477.D

Acq: 29 Feb 2024 13:22

Instrument :

MSVOA_V

ClientSampleId :

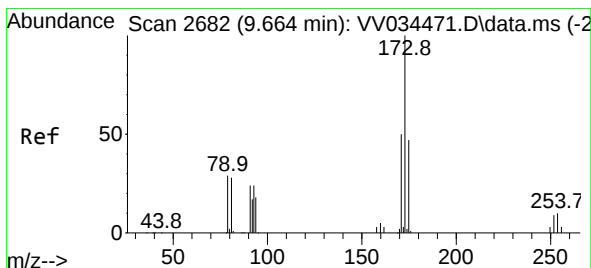
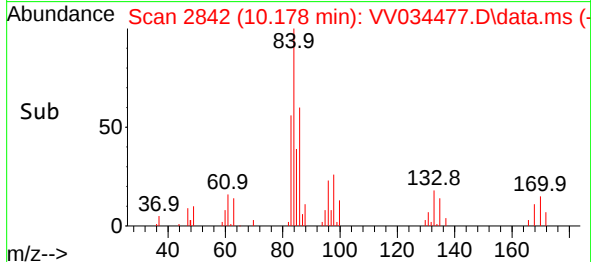
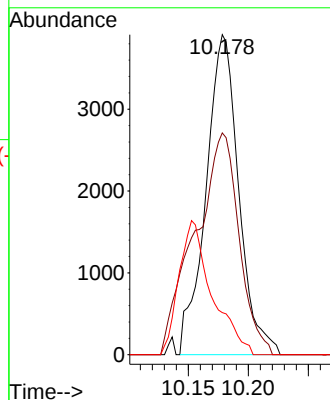
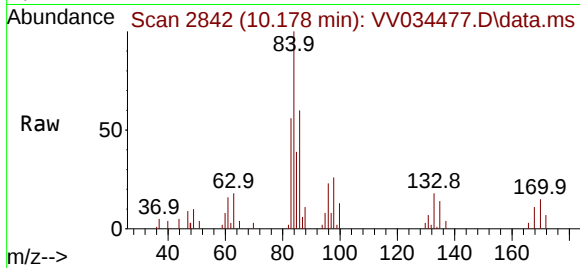
MDL-WATER-QT1-2024-01

Tgt Ion:	83	Resp:	7440
Ion Ratio	Lower	Upper	
83	100		
85	69.3	45.4	84.2
131	13.2	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#59

Bromoform

Concen: 1.651 ug/L

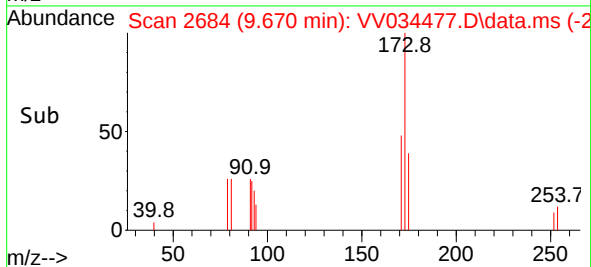
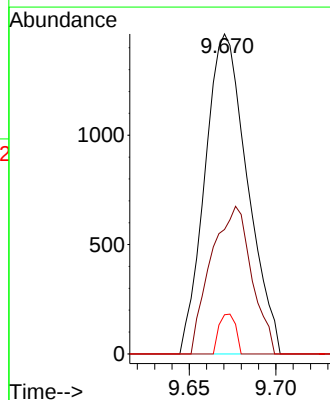
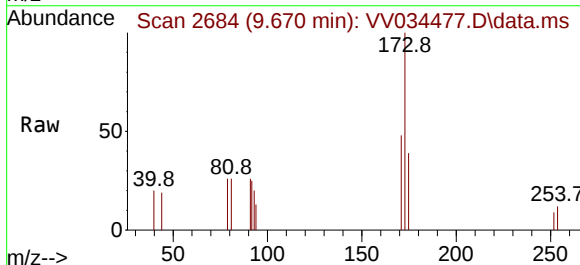
RT: 9.670 min Scan# 2684

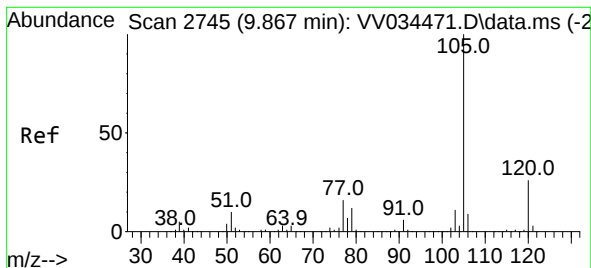
Delta R.T. 0.006 min

Lab File: VV034477.D

Acq: 29 Feb 2024 13:22

Tgt Ion:	173	Resp:	2485
Ion Ratio	Lower	Upper	
173	100		
175	44.2	39.1	58.7
254	4.9	7.8	11.8





#60

Isopropylbenzene

Concen: 1.943 ug/L

RT: 9.870 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV034477.D

Acq: 29 Feb 2024 13:22

Instrument :

MSVOA_V

ClientSampleId :

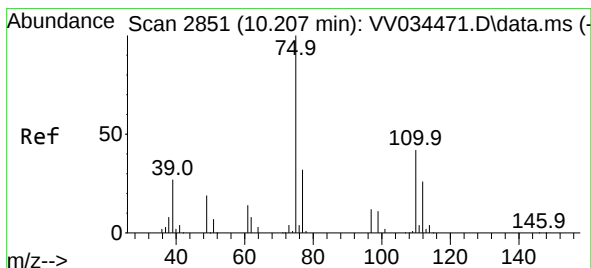
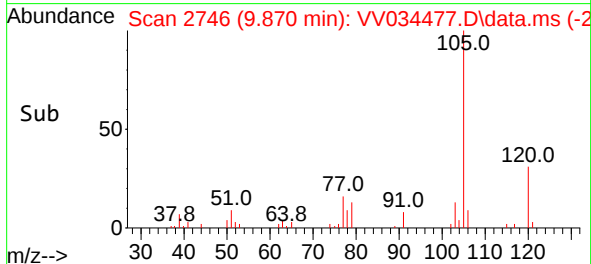
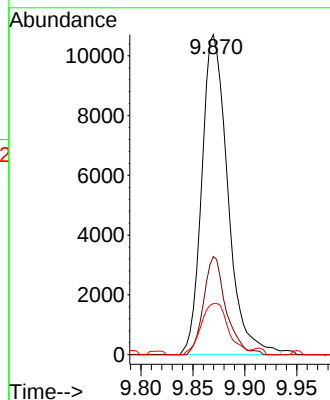
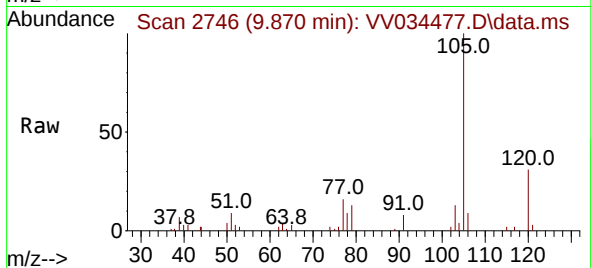
MDL-WATER-QT1-2024-01

Tgt Ion:	105	Resp:	18649
Ion Ratio	Lower	Upper	
105	100		
120	26.1	20.8	31.2
77	16.9	13.0	19.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#61

1,2,3-Trichloropropane

Concen: 2.154 ug/L

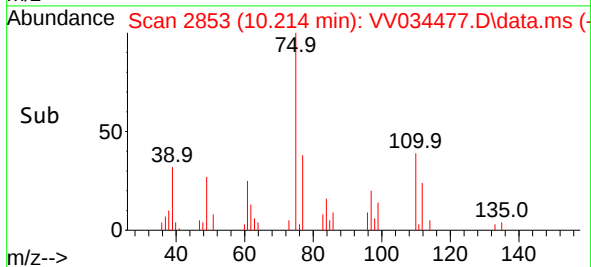
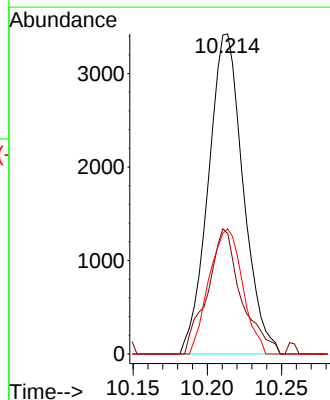
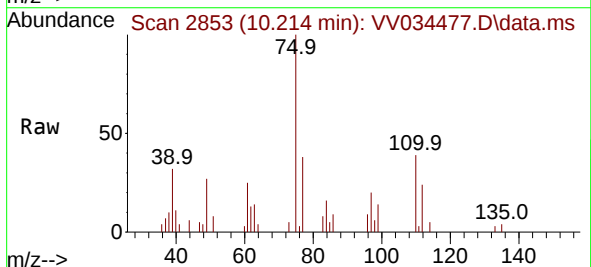
RT: 10.214 min Scan# 2853

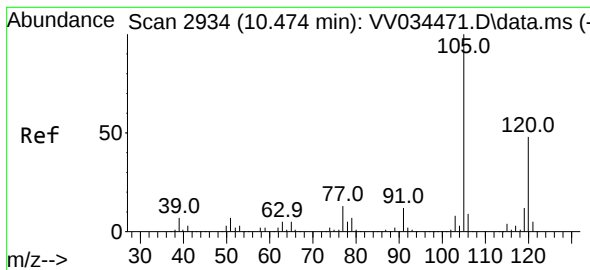
Delta R.T. 0.006 min

Lab File: VV034477.D

Acq: 29 Feb 2024 13:22

Tgt Ion:	75	Resp:	5582
Ion Ratio	Lower	Upper	
75	100		
77	38.0	25.9	38.9
110	37.4	33.1	49.7





#62

1,3,5-Trimethylbenzene

Concen: 1.858 ug/L

RT: 10.481 min Scan# 2934

Delta R.T. 0.006 min

Lab File: VV034477.D

Acq: 29 Feb 2024 13:22

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2024-01

Tgt Ion:105 Resp: 1504

Ion Ratio Lower Upper

105 100

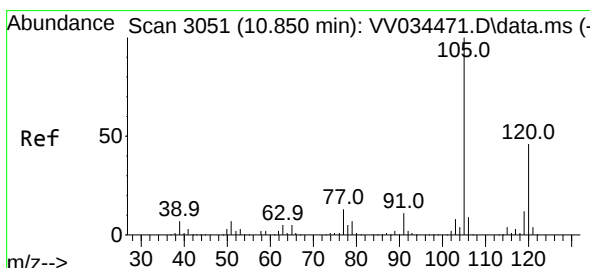
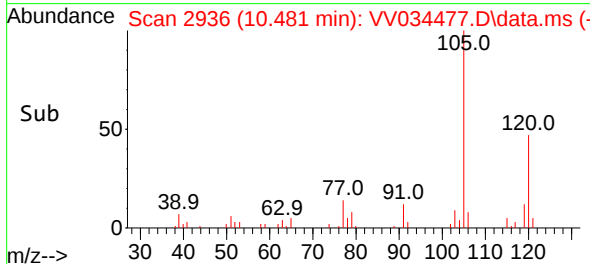
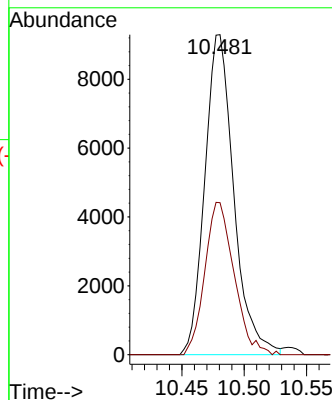
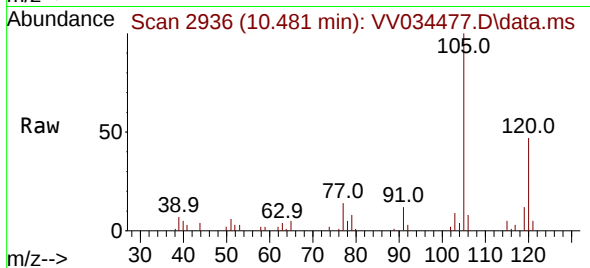
120 47.8 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/01/2024

Supervised By :Semsettin Yesilyurt 03/01/2024



#63

1,2,4-Trimethylbenzene

Concen: 1.779 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV034477.D

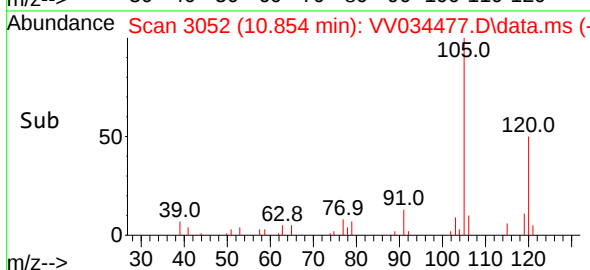
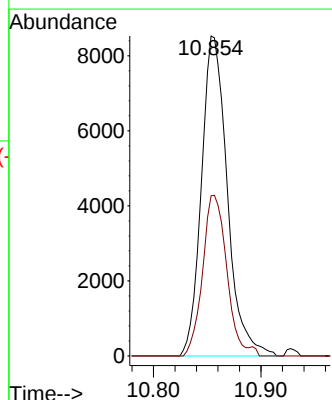
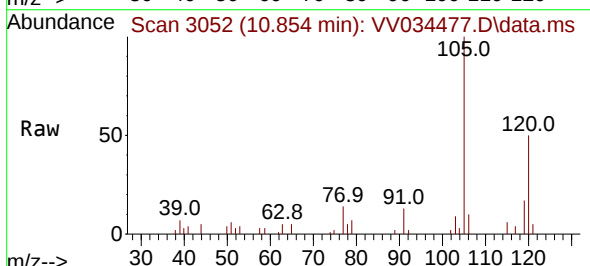
Acq: 29 Feb 2024 13:22

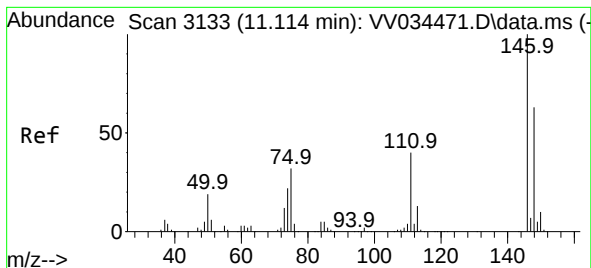
Tgt Ion:105 Resp: 14246

Ion Ratio Lower Upper

105 100

120 46.3 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 1.944 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.010 min

Lab File: VV034477.D

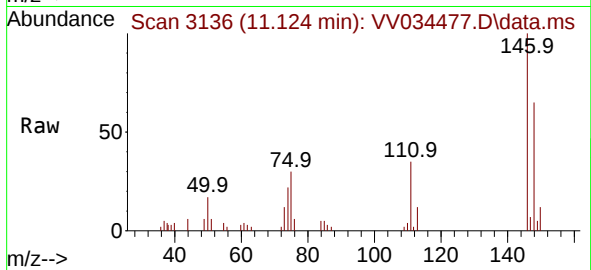
Acq: 29 Feb 2024 13:22

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2024-01



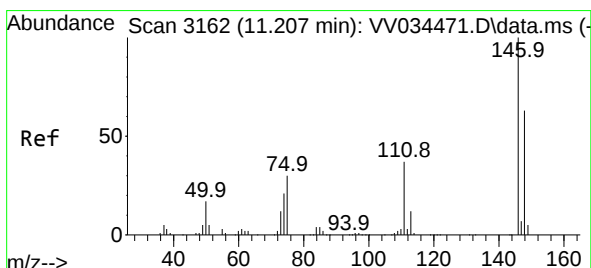
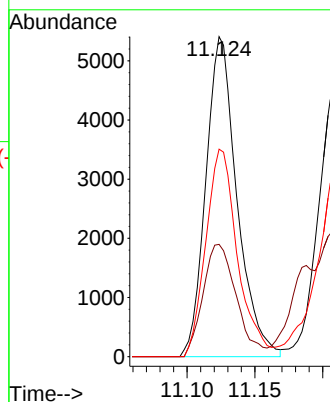
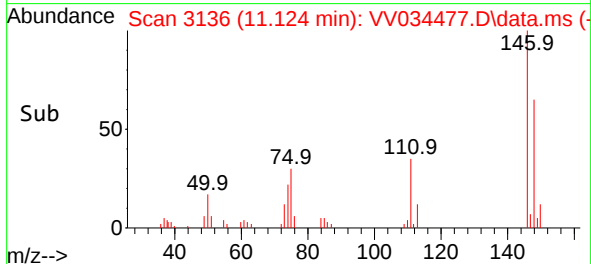
Tgt Ion:146	Resp:	8629
Ion Ratio	Lower	Upper
146	100	
111	37.5	27.9 51.7
148	64.9	44.2 82.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/01/2024

Supervised By :Semsettin Yesilyurt 03/01/2024



#65

1,4-Dichlorobenzene

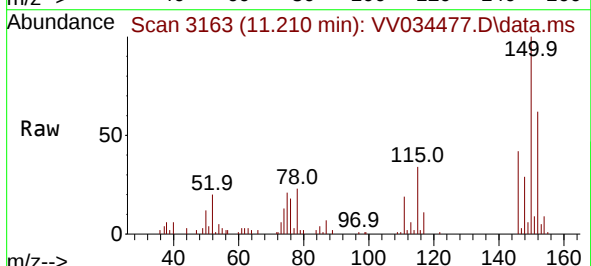
Concen: 2.019 ug/L

RT: 11.210 min Scan# 3163

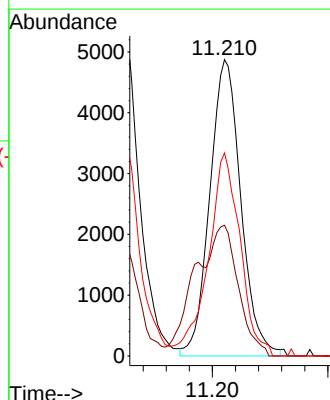
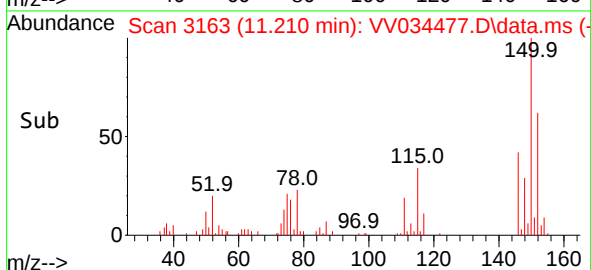
Delta R.T. 0.003 min

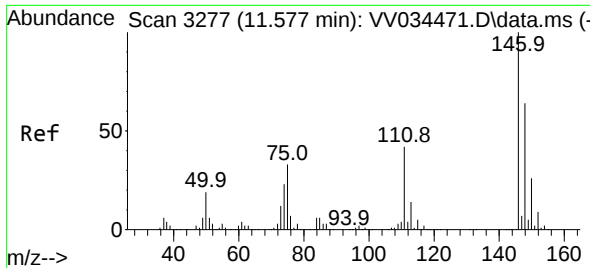
Lab File: VV034477.D

Acq: 29 Feb 2024 13:22



Tgt Ion:146	Resp:	9099
Ion Ratio	Lower	Upper
146	100	
111	44.1	26.5 49.1
148	68.5	44.0 81.8





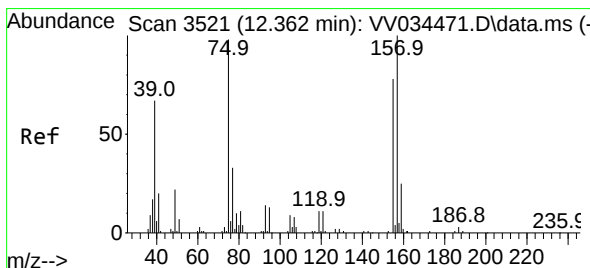
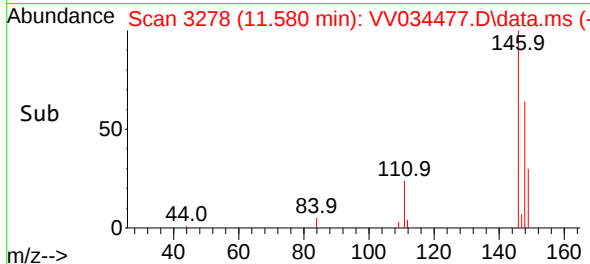
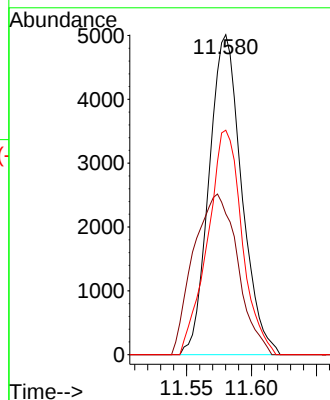
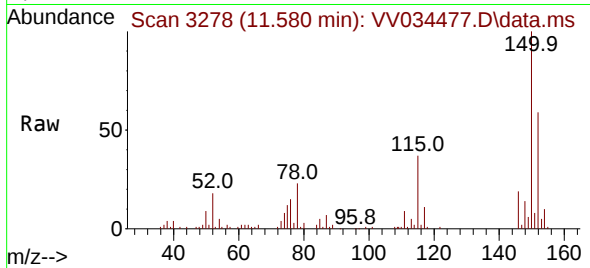
#67
1,2-Dichlorobenzene
Concen: 1.965 ug/L
RT: 11.580 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion:146 Resp: 874
Ion Ratio Lower Upper
146 100
111 44.0 33.8 50.8
148 70.2 51.3 76.9

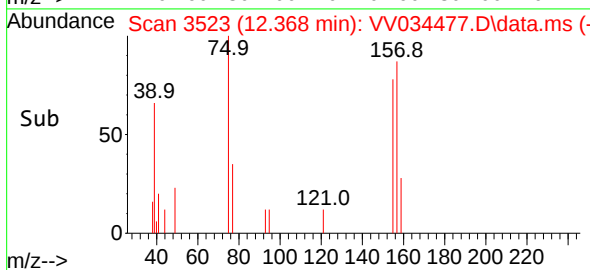
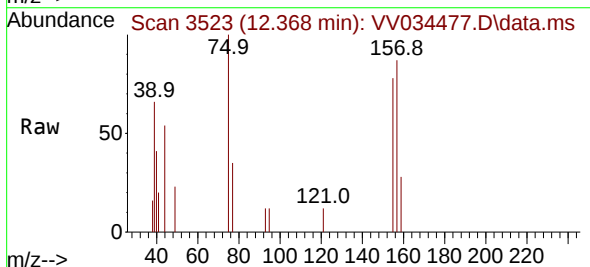
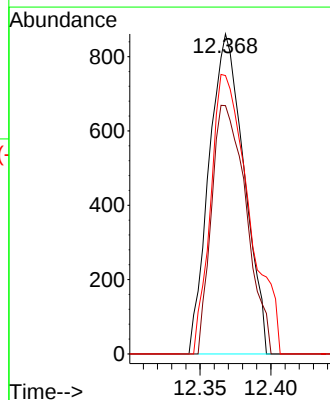
Manual Integrations
APPROVED

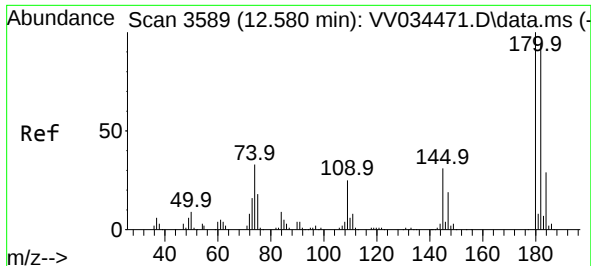
Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#68
1,2-Dibromo-3-chloropropane
Concen: 1.915 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.006 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

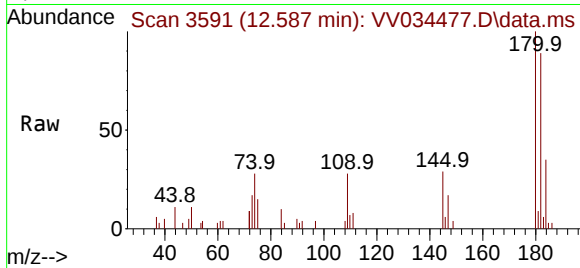
Tgt Ion: 75 Resp: 1478
Ion Ratio Lower Upper
75 100
155 77.6 63.3 94.9
157 87.0 81.4 122.0





#69
1,3,5-Trichlorobenzene
Concen: 1.835 ug/L
RT: 12.587 min Scan# 3591
Delta R.T. 0.006 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

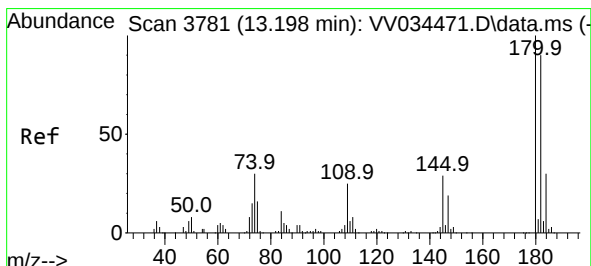
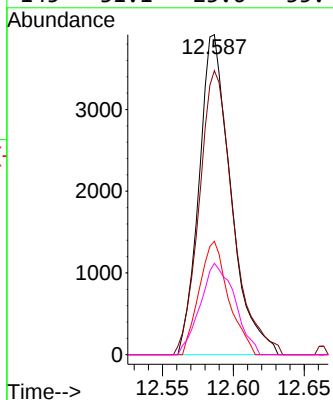
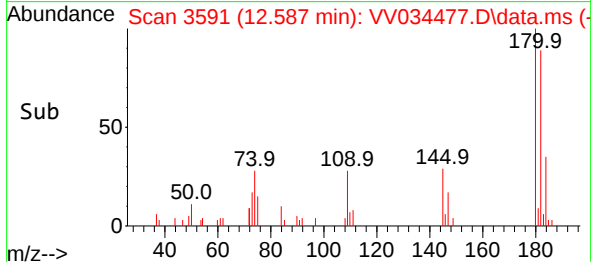
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion:180 Resp: 6109
Ion Ratio Lower Upper
180 100
182 94.3 74.6 112.0
184 32.7 23.6 35.4
145 31.1 23.6 35.4

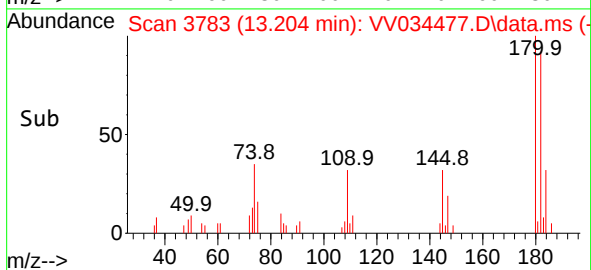
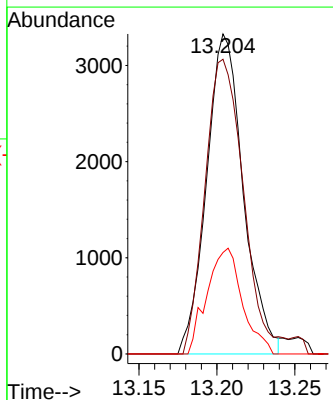
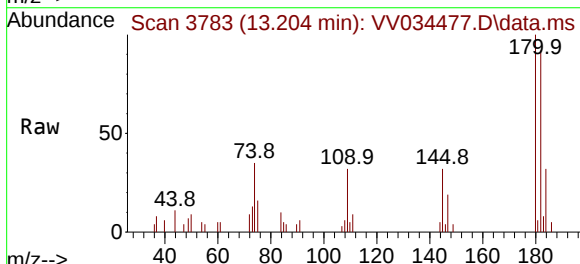
Manual Integrations
APPROVED

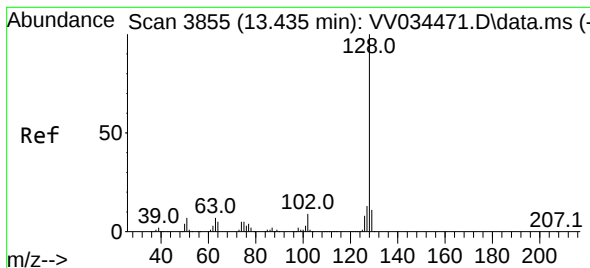
Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#70
1,2,4-trichlorobenzene
Concen: 1.820 ug/L
RT: 13.204 min Scan# 3783
Delta R.T. 0.006 min
Lab File: VV034477.D
Acq: 29 Feb 2024 13:22

Tgt Ion:180 Resp: 5454
Ion Ratio Lower Upper
180 100
182 95.1 74.8 112.2
145 31.7 24.2 36.4





#71

Naphthalene

Concen: 2.031 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.010 min

Lab File: VV034477.D

Acq: 29 Feb 2024 13:22

Instrument :

MSVOA_V

ClientSampleId :

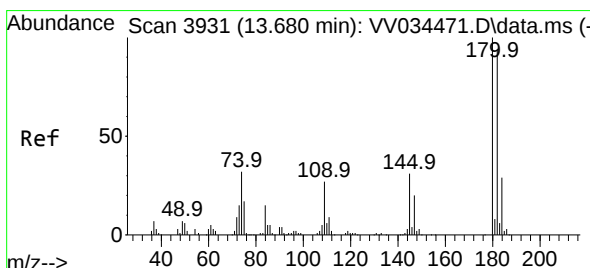
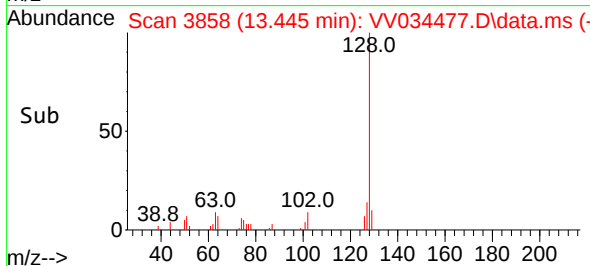
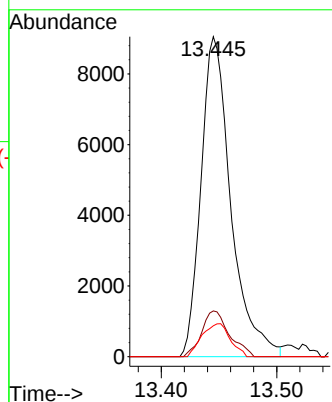
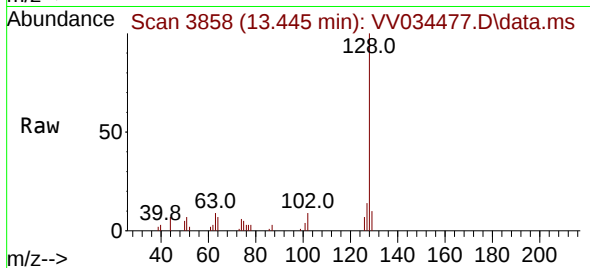
MDL-WATER-QT1-2024-01

Tgt Ion:	128	Resp:	16279
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.3	15.5
129	9.7	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



#72

1,2,3-Trichlorobenzene

Concen: 2.008 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.003 min

Lab File: VV034477.D

Acq: 29 Feb 2024 13:22

Tgt Ion:	180	Resp:	5868
Ion Ratio	Lower	Upper	
180	100		
182	92.8	75.9	113.9
145	32.3	25.5	38.3

