

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051024\
 Data File : VV035573.D
 Acq On : 10 May 2024 10:52
 Operator : SY/MD
 Sample : P2409-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: May 10 23:50:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050124WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 10 23:44:12 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2024
 Supervised By :Semsettin Yesilyurt 05/13/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	453099	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	456811	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	200769	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	142786	40.870	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	81.740%		
7) Chloroethane-d5	1.523	69	127773	49.629	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.260%		
11) 1,1-Dichloroethene-d2	2.053	65	64706	43.146	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.300%		
21) 2-Butanone-d5	3.786	46	214985	91.179	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.180%		
24) Chloroform-d	4.246	84	305557	47.682	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.360%		
26) 1,2-Dichloroethane-d4	4.937	65	190154	50.387	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.780%		
32) Benzene-d6	4.956	84	600386	46.693	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.380%		
36) 1,2-Dichloropropane-d6	5.985	67	198543	49.523	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.040%		
41) Toluene-d8	7.243	98	514980	44.000	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.000%		
43) trans-1,3-Dichloroprop...	7.551	79	85389	43.700	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.400%		
47) 2-Hexanone-d5	8.021	63	154692	83.965	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	83.960%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	267675	43.816	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	87.640%		
66) 1,2-Dichlorobenzene-d4	11.557	152	197822	49.594	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	6986	2.301	ug/L	99
3) Chloromethane	1.214	50	9562	2.908	ug/L	100
5) Vinyl chloride	1.281	62	9011	2.602	ug/L #	72
6) Bromomethane	1.474	94	4583	2.081	ug/L	93
8) Chloroethane	1.539	64	5954	2.990	ug/L	96
9) Trichlorofluoromethane	1.706	101	11783	2.529	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	9100	3.082	ug/L #	83
12) 1,1-Dichloroethene	2.063	96	8328	3.157	ug/L #	1
13) Acetone	2.114	43	12835	5.880	ug/L	96
14) Carbon disulfide	2.236	76	16894	2.438	ug/L	99
15) Methyl Acetate	2.381	43	9329	2.635	ug/L	91
16) Methylene chloride	2.445	84	10289	3.078	ug/L	95
17) trans-1,2-Dichloroethene	2.693	96	6790	2.435	ug/L	95
18) Methyl tert-butyl Ether	2.703	73	22251	2.269	ug/L	98
19) 1,1-Dichloroethane	3.111	63	14379	2.456	ug/L	95
20) cis-1,2-Dichloroethene	3.815	96	7994	2.411	ug/L	96
22) 2-Butanone	3.924	43	11492m	4.447	ug/L	
23) Bromochloromethane	4.159	128	4475	2.467	ug/L	92
27) 1,2-Dichloroethane	5.059	62	11929	2.758	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.577	56	8456	2.073	ug/L #	59
30) 1,1,1-Trichloroethane	4.513	97	13275	2.539	ug/L	99
31) Carbon tetrachloride	4.731	117	11056	2.446	ug/L	98
33) Benzene	5.018	78	28998	2.351	ug/L	100
34) Trichloroethene	5.844	95	8530	2.598	ug/L	95
35) Methylcyclohexane	6.046	83	9997	2.159	ug/L	94
37) 1,2-Dichloropropane	6.101	63	8397	2.478	ug/L #	95
38) Bromodichloromethane	6.439	83	11607	2.489	ug/L	97
39) cis-1,3-Dichloropropene	6.966	75	13194m	2.480	ug/L	
40) 4-Methyl-2-pentanone	7.169	43	19218m	4.248	ug/L	
42) Toluene	7.323	91	30536	2.360	ug/L	95
44) trans-1,3-Dichloropropene	7.593	75	12049m	2.384	ug/L	
45) 1,1,2-Trichloroethane	7.776	97	8543	2.357	ug/L	97
46) Tetrachloroethene	7.905	164	6141	2.316	ug/L	93
48) 2-Hexanone	8.091	43	18979m	5.156	ug/L	
49) Dibromochloromethane	8.178	129	8940	2.356	ug/L	97
50) 1,2-Dibromoethane	8.288	107	9262	2.446	ug/L	97
51) Chlorobenzene	8.818	112	21840	2.431	ug/L	97
52) Ethylbenzene	8.950	91	28218	2.018	ug/L	99
53) m,p-Xylene	9.082	106	9768	1.883	ug/L	98
54) o-Xylene	9.480	106	10324	1.975	ug/L	94
55) Styrene	9.506	104	15428	1.708	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.175	83	15141	2.441	ug/L #	99
59) Bromoform	9.667	173	6957	2.679	ug/L #	98
60) Isopropylbenzene	9.866	105	24429	2.107	ug/L	98
61) 1,2,3-Trichloropropane	10.207	75	11505	2.856	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	18096	1.950	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	17958	1.930	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	14657	2.441	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	16316	2.576	ug/L	94
67) 1,2-Dichlorobenzene	11.577	146	16989	2.705	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.368	75	2979	2.511	ug/L	98
69) 1,3,5-Trichlorobenzene	12.583	180	10551	2.315	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	8858	2.207	ug/L	98
71) Naphthalene	13.442	128	22942	2.039	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	9730	2.335	ug/L	99

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

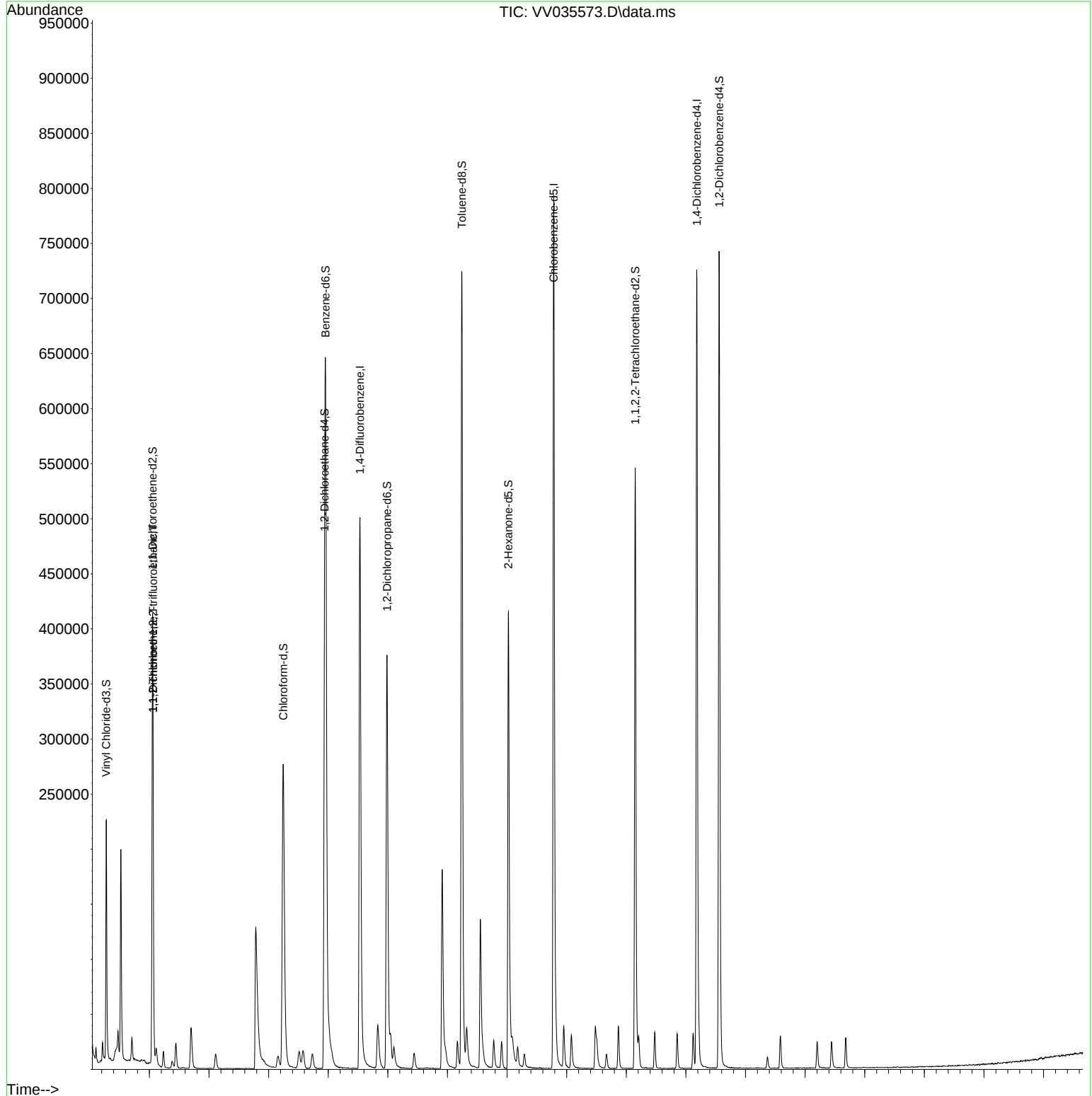
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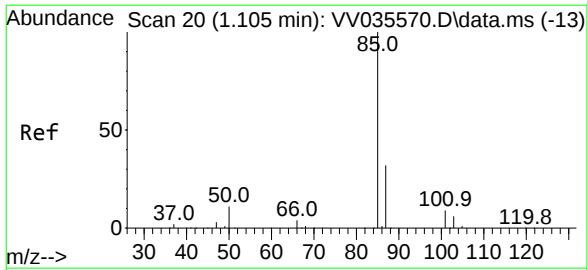
Instrument :
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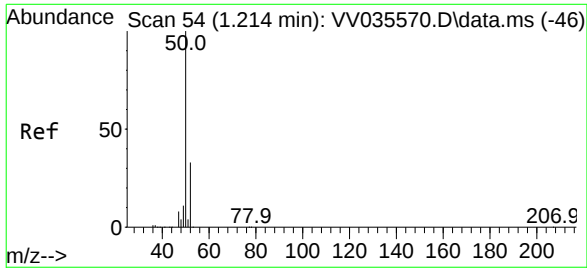
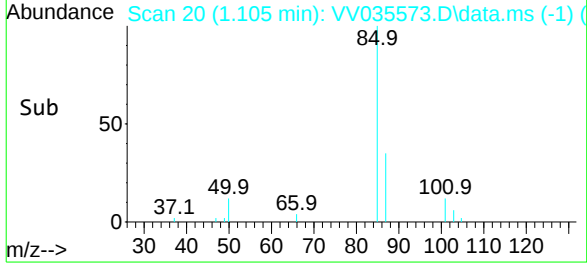
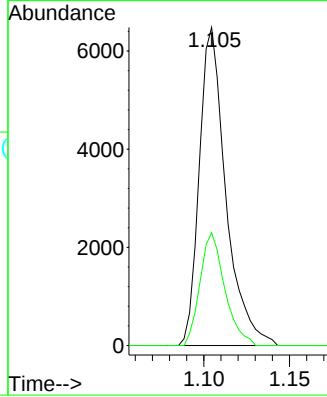
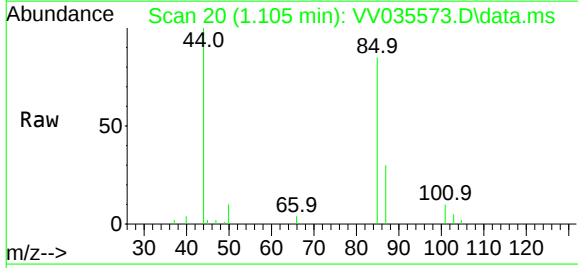
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Dichlorodifluoromethane
Concen: 2.301 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

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

Tgt Ion: 85 Resp: 6986
Ion Ratio Lower Upper
85 100
87 33.1 25.8 38.8

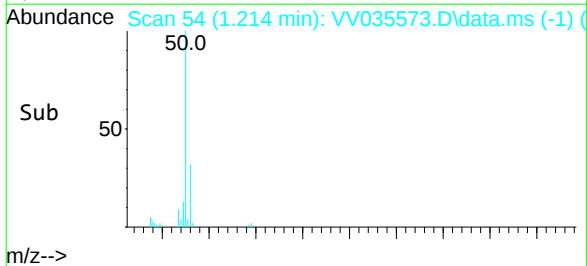
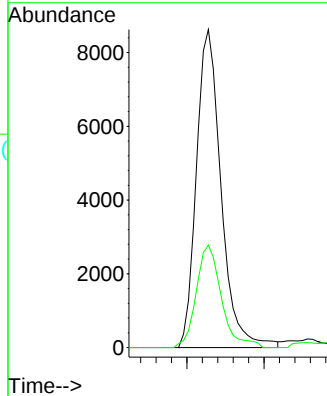
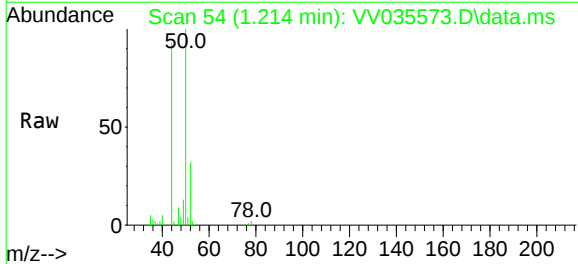
Manual Integrations
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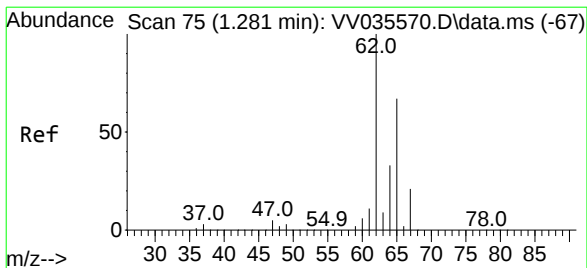
Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024



#3
Chloromethane
Concen: 2.908 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

Tgt Ion: 50 Resp: 9562
Ion Ratio Lower Upper
50 100
52 32.2 22.6 42.0





#5

Vinyl chloride

Concen: 2.602 ug/L

RT: 1.281 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV035573.D

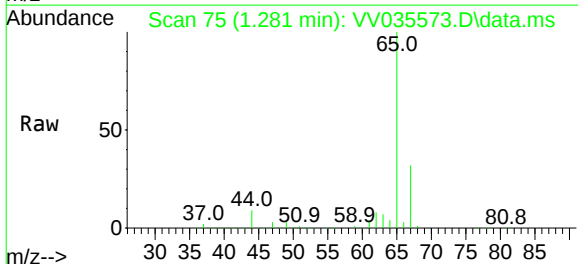
Acq: 10 May 2024 10:52

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT2-2024-03



Tgt Ion: 62 Resp: 9011

Ion Ratio Lower Upper

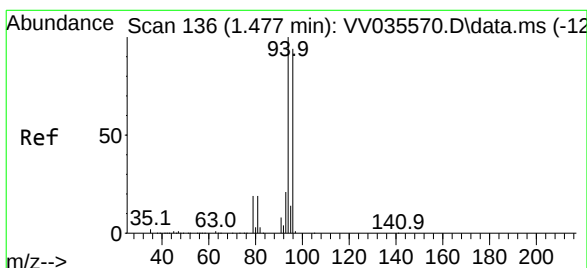
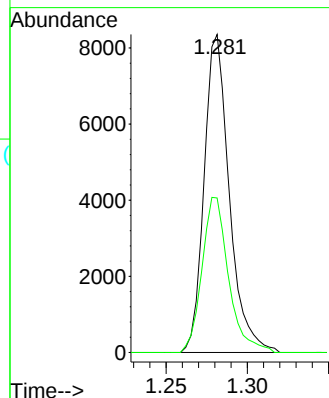
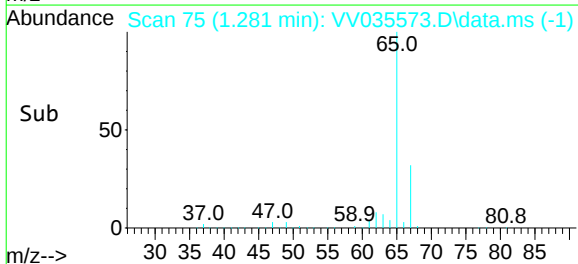
62 100

64 48.6 22.9 42.5#

Manual Integrations

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#6

Bromomethane

Concen: 2.081 ug/L

RT: 1.474 min Scan# 135

Delta R.T. -0.003 min

Lab File: VV035573.D

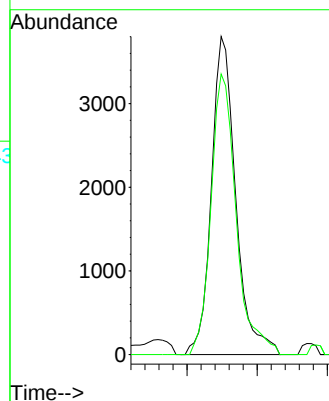
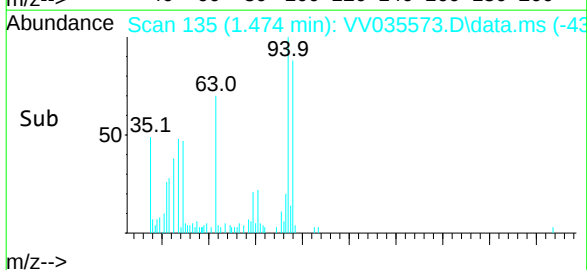
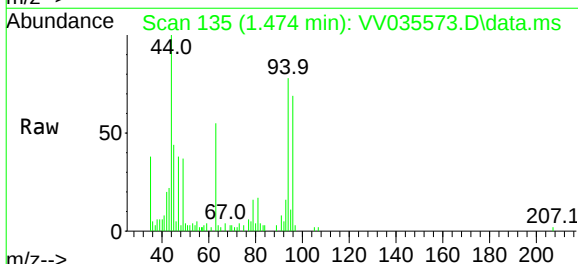
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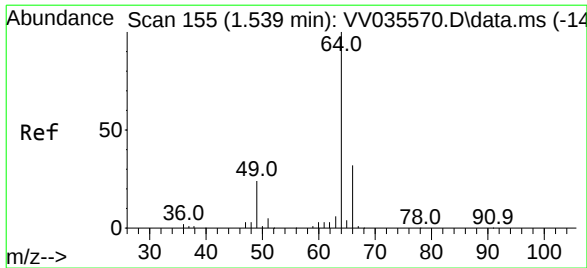
Tgt Ion: 94 Resp: 4583

Ion Ratio Lower Upper

94 100

96 88.2 66.2 123.0





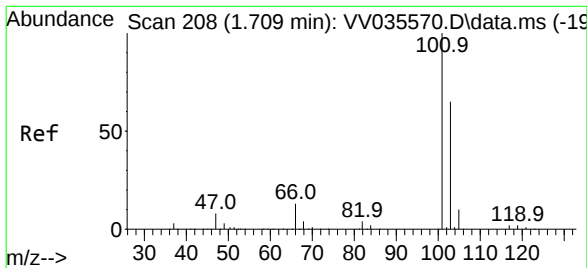
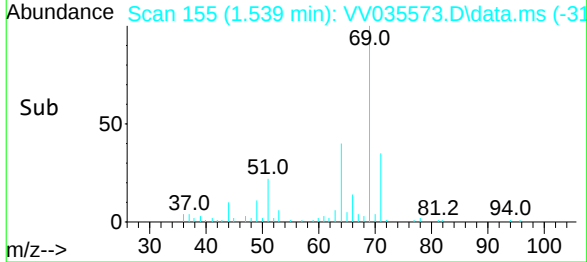
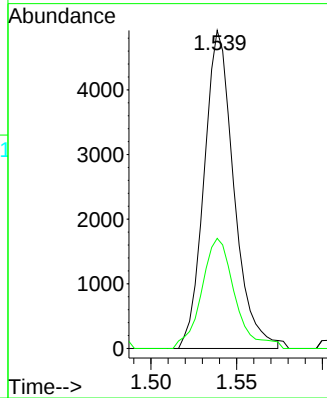
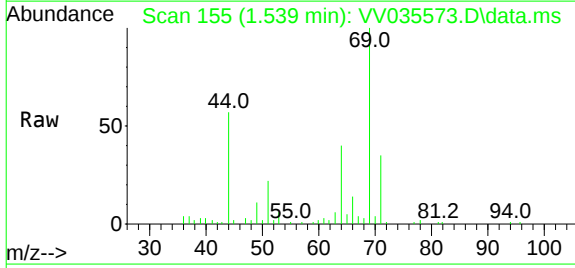
#8
Chloroethane
Concen: 2.990 ug/L
RT: 1.539 min Scan# 15
Delta R.T. 0.000 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

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

Tgt Ion: 64 Resp: 5954
Ion Ratio Lower Upper
64 100
66 34.6 22.7 42.1

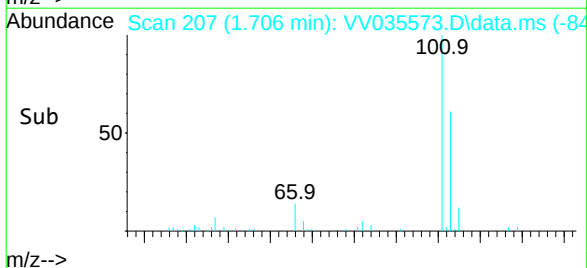
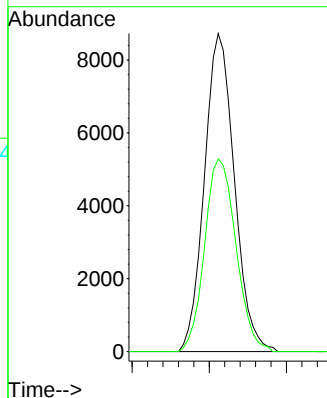
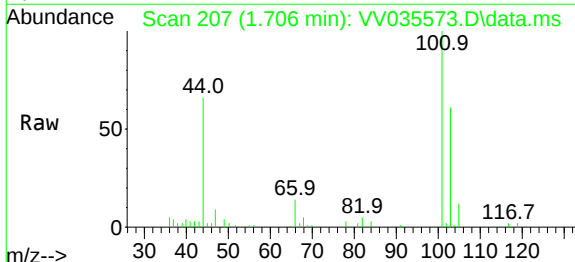
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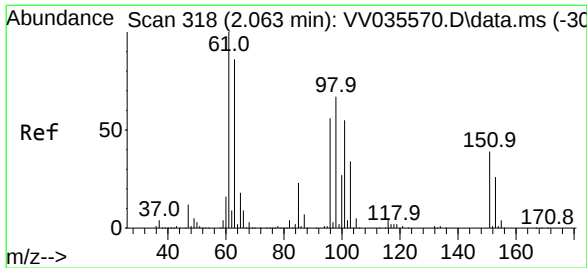
Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024



#9
Trichlorofluoromethane
Concen: 2.529 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.003 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

Tgt Ion:101 Resp: 11783
Ion Ratio Lower Upper
101 100
103 63.4 52.0 78.0





#10

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

Concen: 3.082 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV035573.D

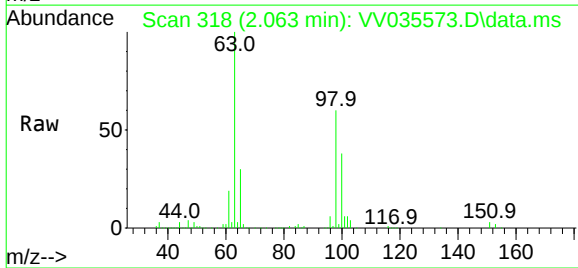
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Instrument :

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ClientSampleId :

MDL-WATER-QT2-2024-03

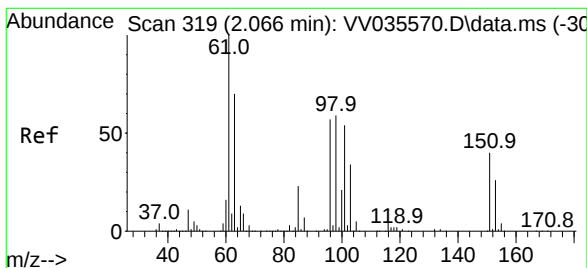
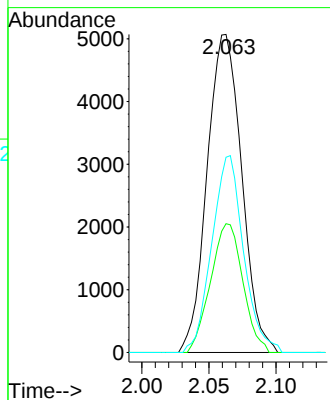
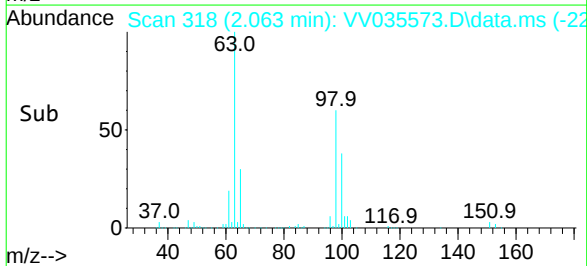


Tgt Ion	101	Resp:	9100
Ion	Ratio	Lower	Upper
101	100		
85	37.8	34.4	51.6
151	56.9	60.1	90.1#

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#12

1,1-Dichloroethene

Concen: 3.157 ug/L

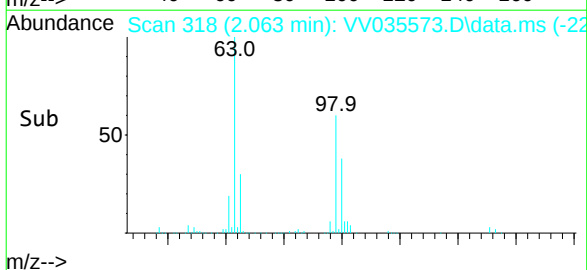
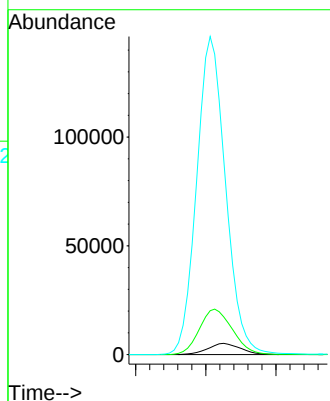
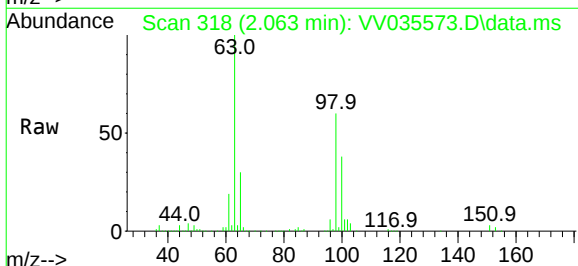
RT: 2.063 min Scan# 318

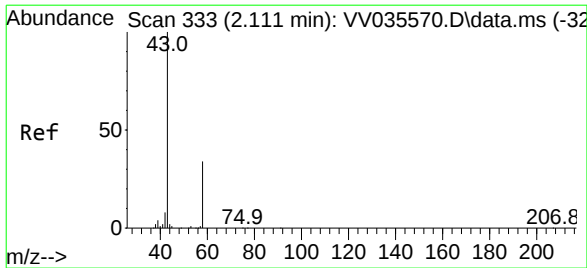
Delta R.T. -0.003 min

Lab File: VV035573.D

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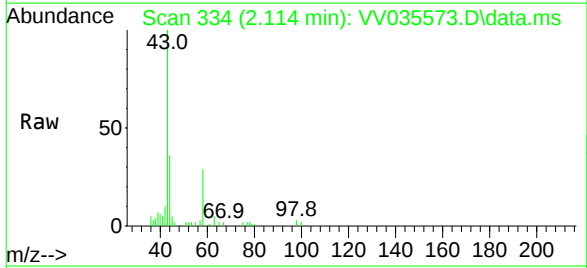
Tgt Ion	96	Resp:	8328
Ion	Ratio	Lower	Upper
96	100		
61	335.6	126.5	234.9#
63	1739.6	118.1	219.3#





#13
Acetone
Concen: 5.880 ug/L
RT: 2.114 min Scan# 333
Delta R.T. 0.003 min
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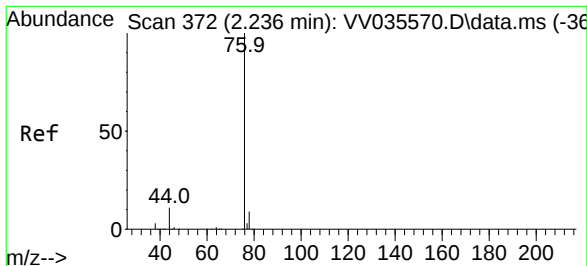
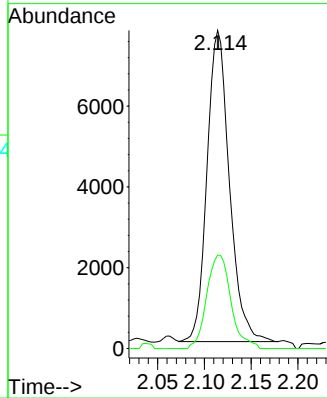
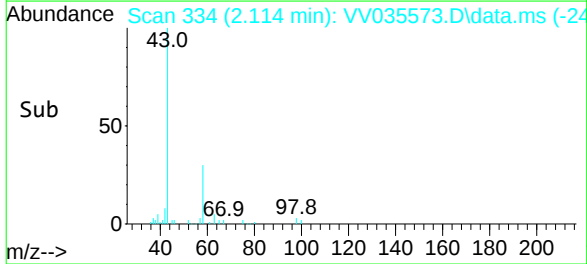
Instrument :
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ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion: 43 Resp: 12835
Ion Ratio Lower Upper
43 100
58 32.3 0.0 68.8

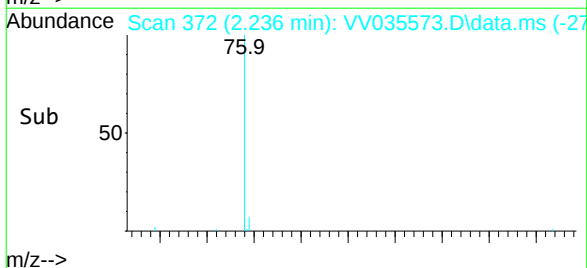
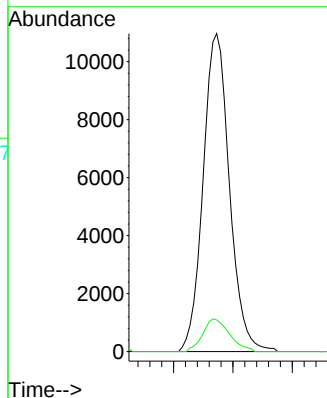
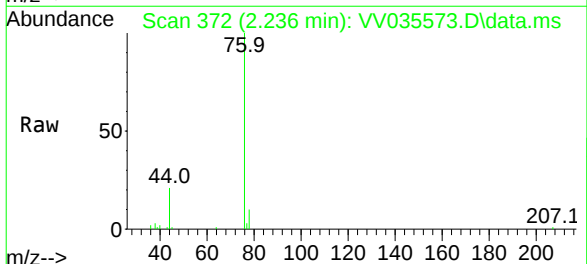
Manual Integrations
APPROVED

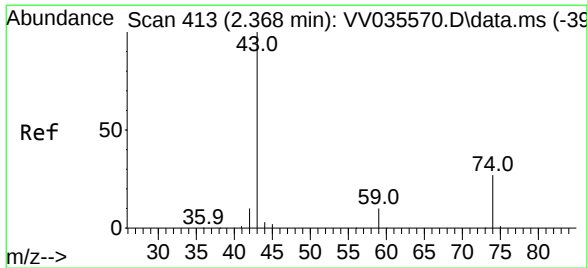
Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024



#14
Carbon disulfide
Concen: 2.438 ug/L
RT: 2.236 min Scan# 372
Delta R.T. 0.000 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

Tgt Ion: 76 Resp: 16894
Ion Ratio Lower Upper
76 100
78 10.0 7.6 11.4





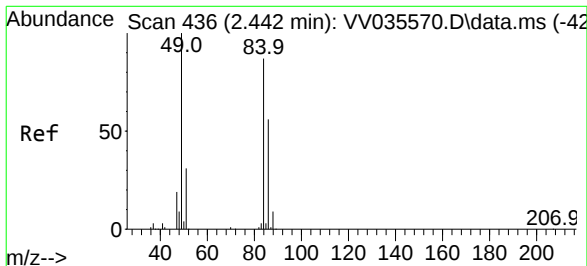
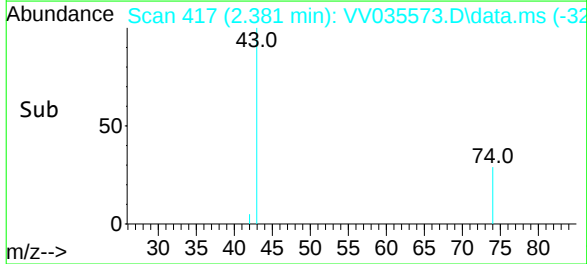
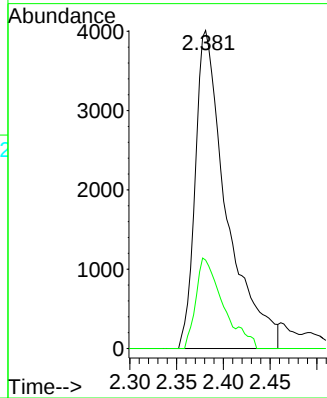
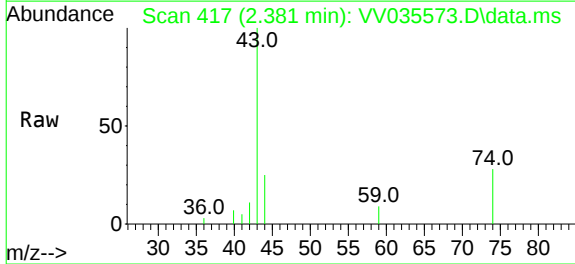
#15
Methyl Acetate
Concen: 2.635 ug/L
RT: 2.381 min Scan# 413
Delta R.T. 0.013 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

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

Tgt Ion: 43	Resp: 9329
Ion Ratio	Lower Upper
43 100	
74 22.4	21.6 32.4

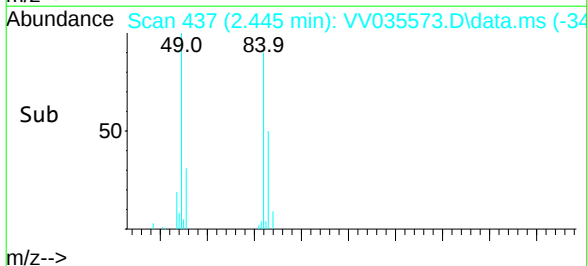
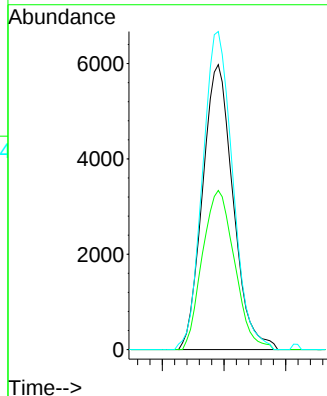
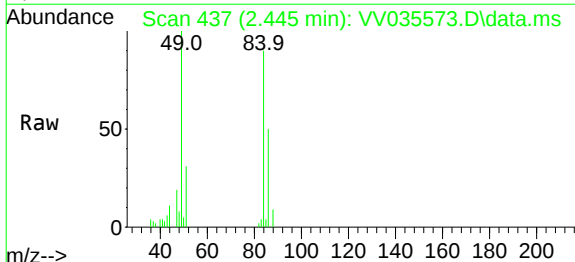
Manual Integrations
APPROVED

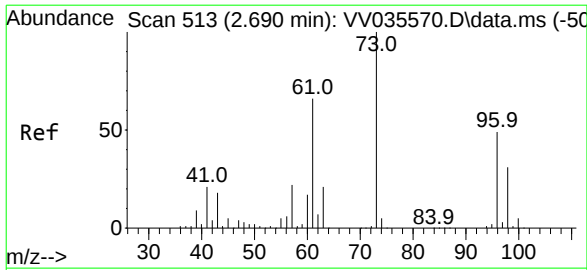
Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024



#16
Methylene chloride
Concen: 3.078 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.003 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

Tgt Ion: 84	Resp: 10289
Ion Ratio	Lower Upper
84 100	
86 55.8	45.3 84.1
49 111.6	76.9 142.7





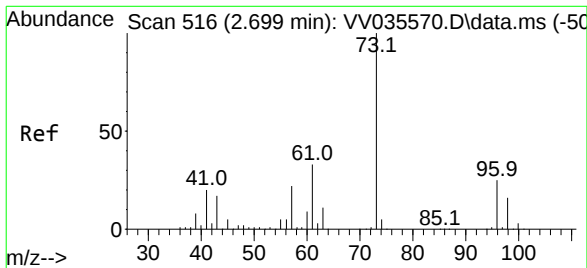
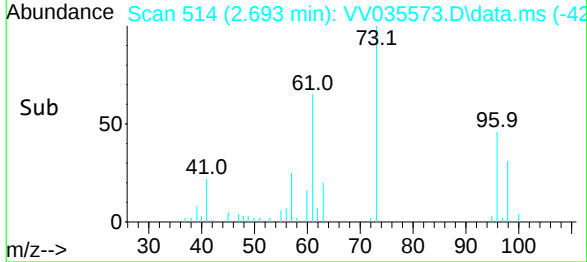
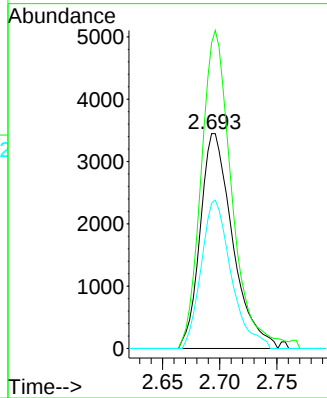
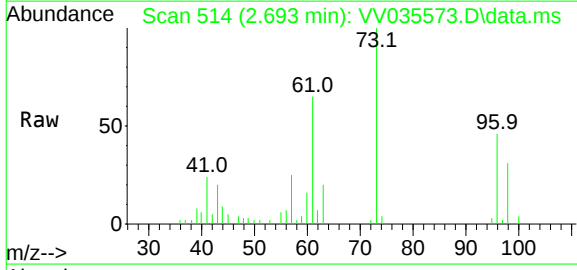
#17
trans-1,2-Dichloroethene
Concen: 2.435 ug/L
RT: 2.693 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

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

Tgt Ion: 96 Resp: 6796
Ion Ratio Lower Upper
96 100
61 142.2 95.5 177.3
98 67.6 44.9 83.5

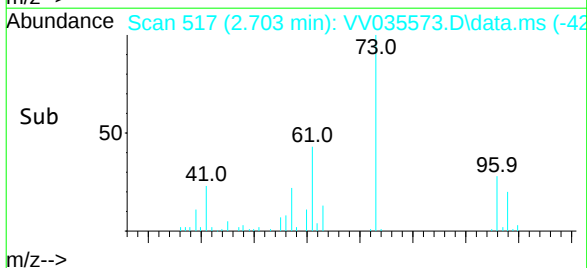
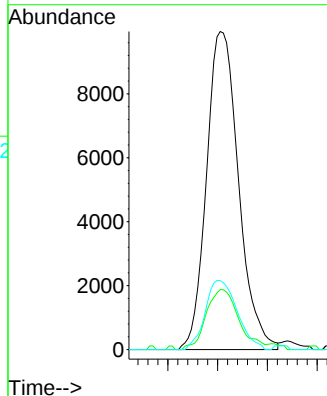
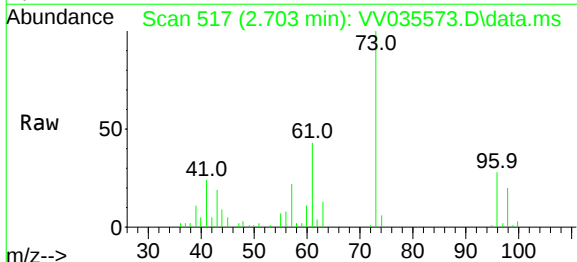
Manual Integrations
APPROVED

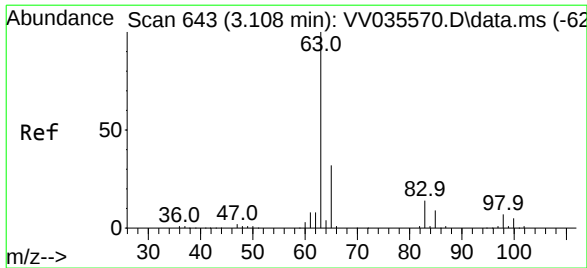
Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024



#18
Methyl tert-butyl Ether
Concen: 2.269 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

Tgt Ion: 73 Resp: 22251
Ion Ratio Lower Upper
73 100
43 19.1 13.6 20.4
57 21.6 17.4 26.0





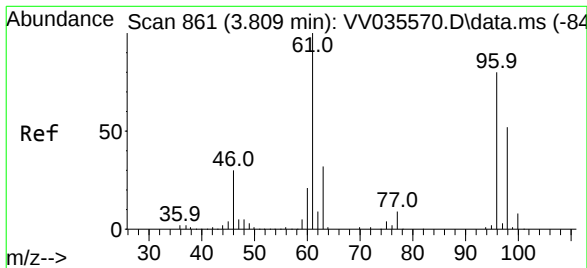
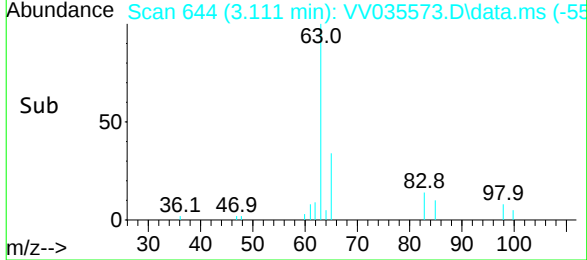
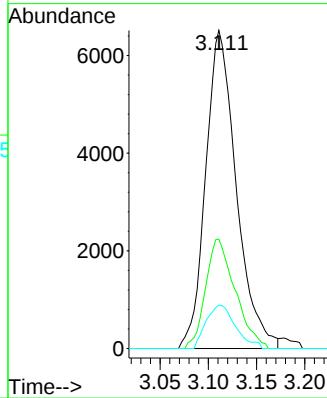
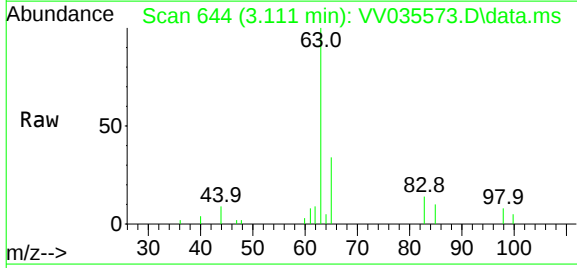
#19
1,1-Dichloroethane
Concen: 2.456 ug/L
RT: 3.111 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

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

Tgt Ion:	63	Resp:	14379
Ion	Ratio	Lower	Upper
63	100		
65	34.4	21.8	40.4
83	13.6	9.2	17.2

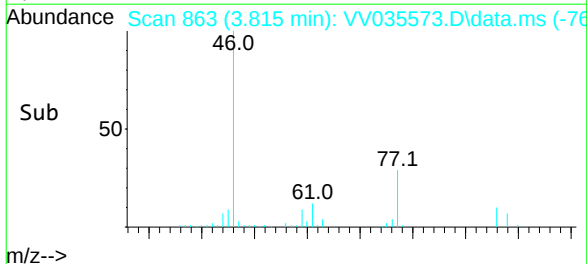
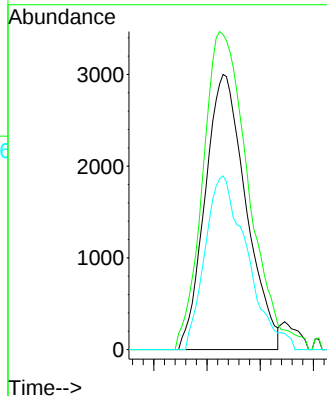
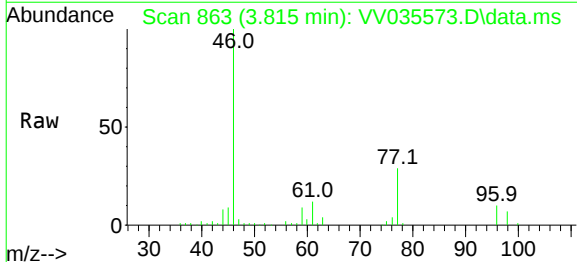
Manual Integrations
APPROVED

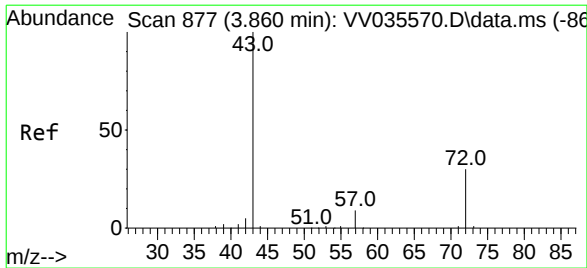
Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024



#20
cis-1,2-Dichloroethene
Concen: 2.411 ug/L
RT: 3.815 min Scan# 863
Delta R.T. 0.006 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

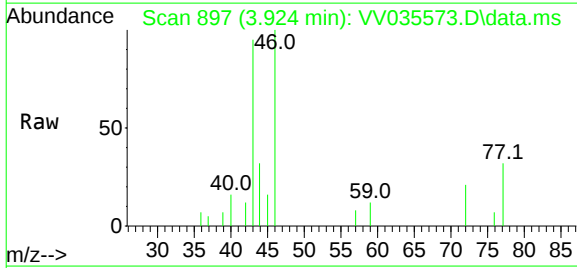
Tgt Ion:	96	Resp:	7994
Ion	Ratio	Lower	Upper
96	100		
61	114.5	84.0	156.0
98	63.1	44.9	83.5





#22
2-Butanone
Concen: 4.447 ug/L m
RT: 3.924 min Scan# 89
Delta R.T. 0.064 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

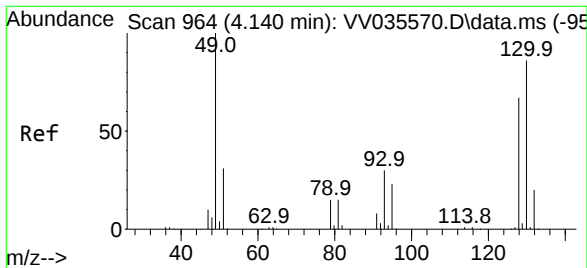
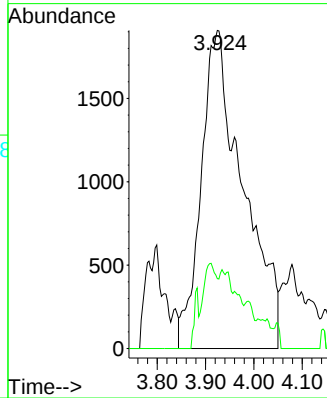
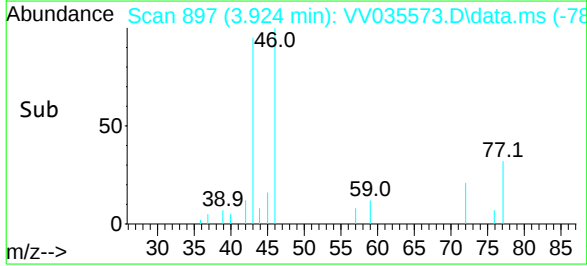
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2024-03



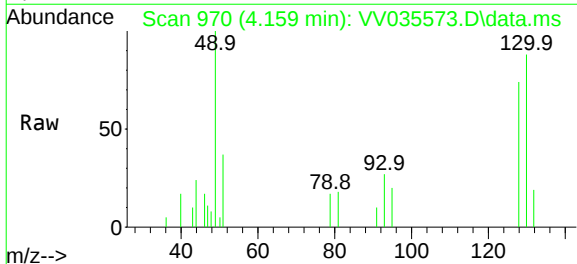
Tgt Ion: 43 Resp: 11492
Ion Ratio Lower Upper
43 100
72 5.8 14.4 43.0#

Manual Integrations
APPROVED

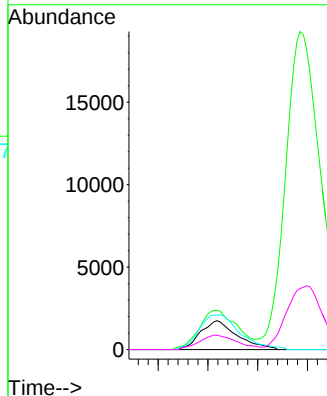
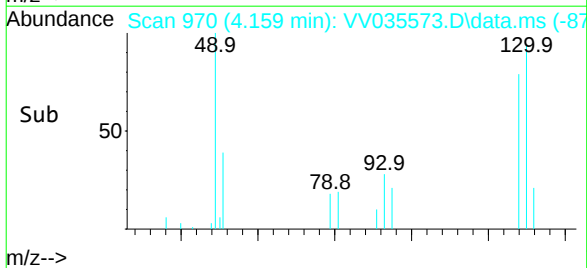
Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024

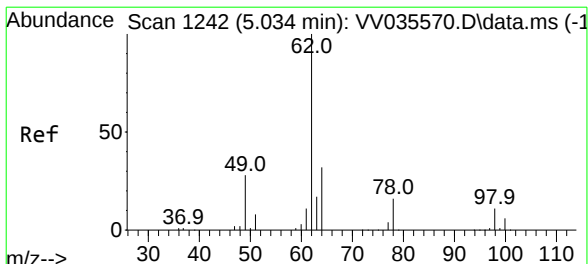


#23
Bromochloromethane
Concen: 2.467 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.019 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52



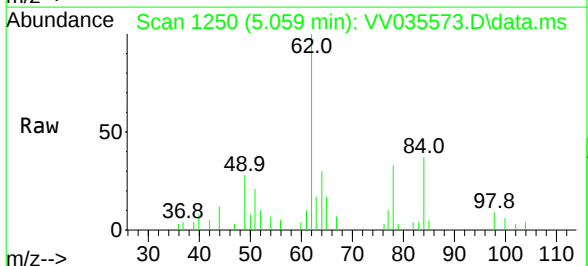
Tgt Ion:128 Resp: 4475
Ion Ratio Lower Upper
128 100
49 135.9 102.0 189.4
130 119.1 91.5 169.9
51 49.7 37.3 55.9





#27
1,2-Dichloroethane
Concen: 2.758 ug/L
RT: 5.059 min Scan# 1242
Delta R.T. 0.026 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

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

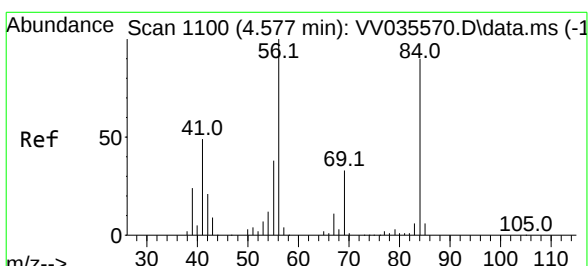
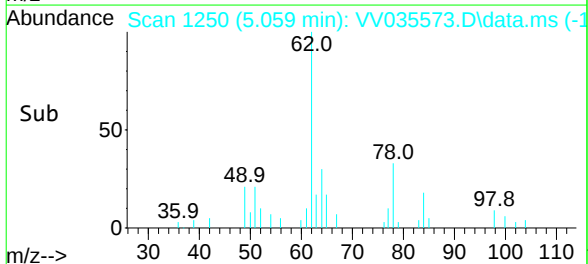
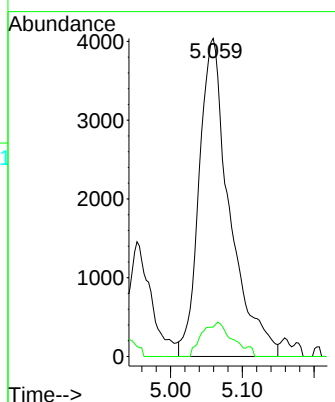


Tgt Ion: 62 Resp: 11929

Ion	Ratio	Lower	Upper
62	100		
98	9.2	8.2	12.2

Manual Integrations
APPROVED

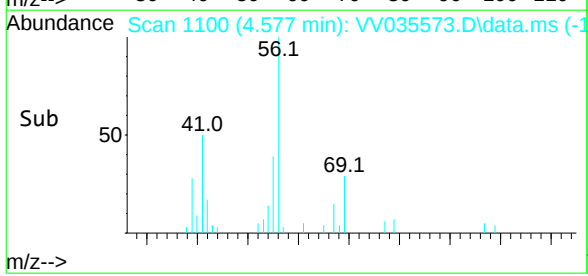
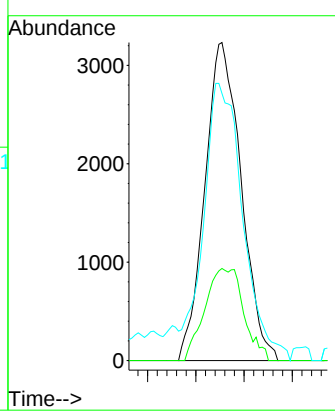
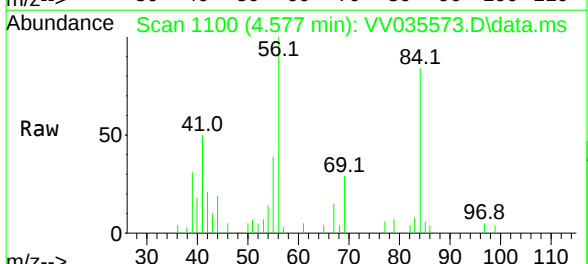
Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024

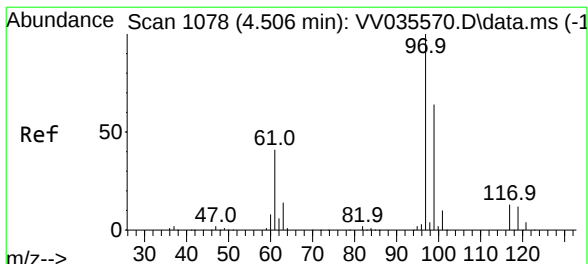


#29
Cyclohexane
Concen: 2.073 ug/L
RT: 4.577 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

Tgt Ion: 56 Resp: 8456

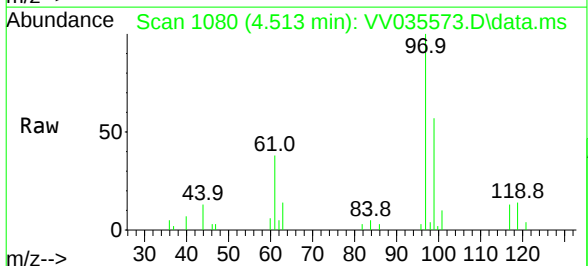
Ion	Ratio	Lower	Upper
56	100		
69	19.0	25.5	38.3#
84	47.6	73.6	110.4#





#30
 1,1,1-Trichloroethane
 Concen: 2.539 ug/L
 RT: 4.513 min Scan# 1078
 Delta R.T. 0.006 min
 Lab File: VV035573.D
 Acq: 10 May 2024 10:52

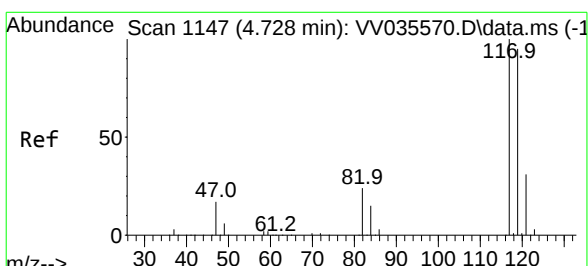
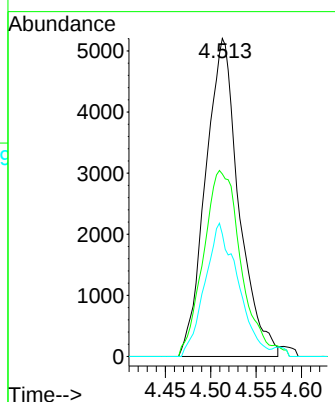
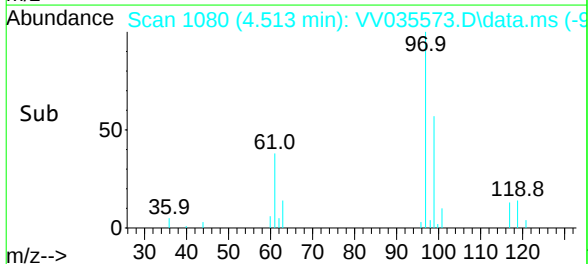
Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-QT2-2024-03



Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.9	77.9
61	41.9	34.1	51.1

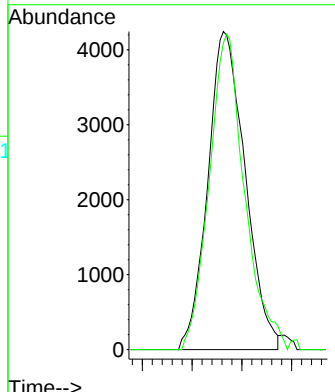
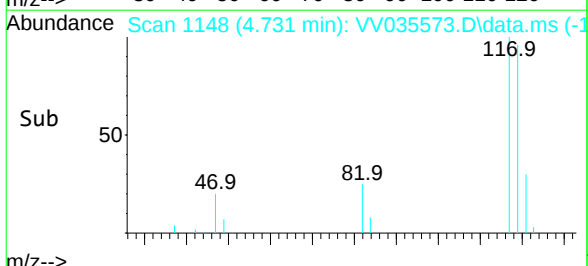
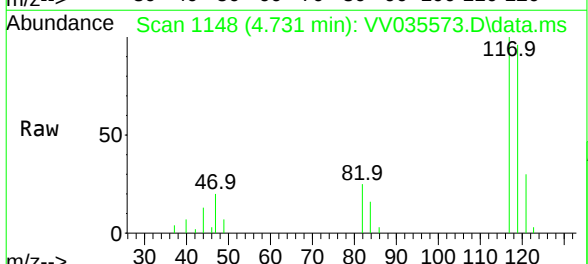
Manual Integrations
 APPROVED

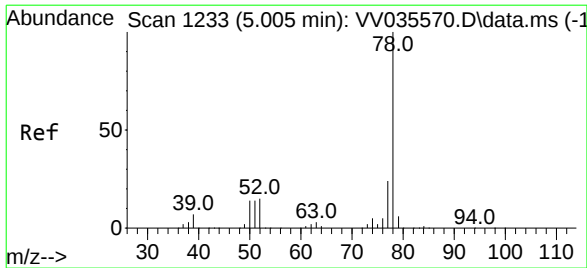
Reviewed By :Mahesh Dadoda 05/13/2024
 Supervised By :Semsettin Yesilyurt 05/13/2024



#31
 Carbon tetrachloride
 Concen: 2.446 ug/L
 RT: 4.731 min Scan# 1148
 Delta R.T. 0.003 min
 Lab File: VV035573.D
 Acq: 10 May 2024 10:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.5	114.7





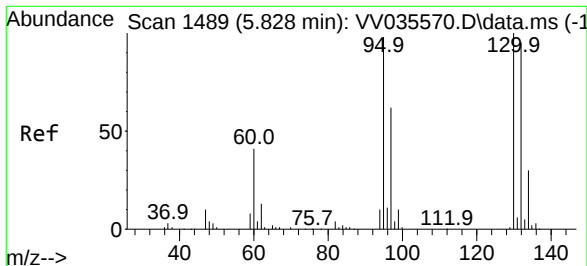
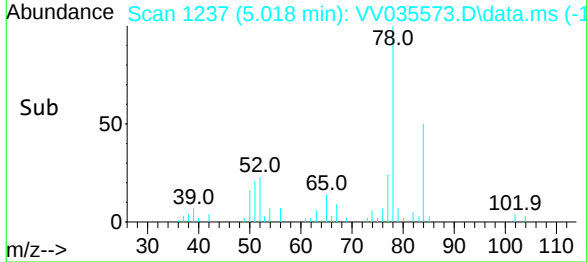
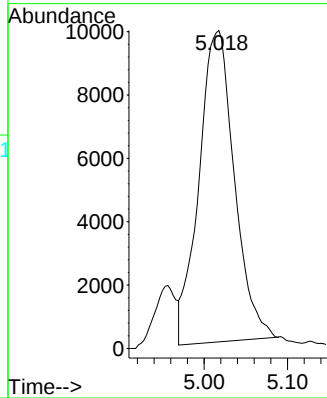
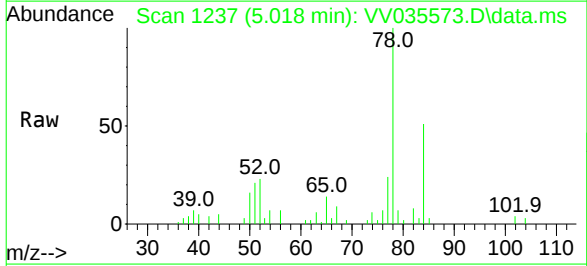
#33
Benzene
Concen: 2.351 ug/L
RT: 5.018 min Scan# 1233
Delta R.T. 0.013 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

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

Tgt Ion: 78 Resp: 28998

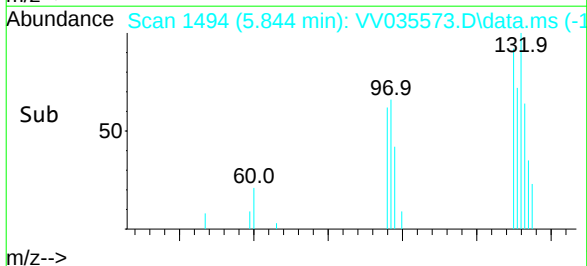
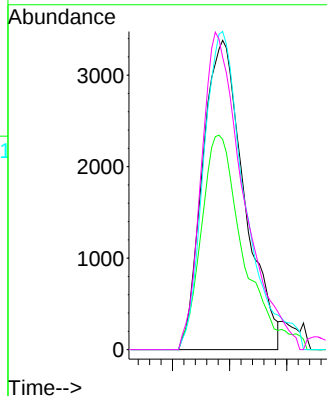
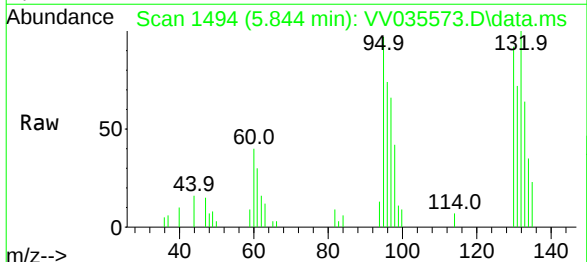
Manual Integrations
APPROVED

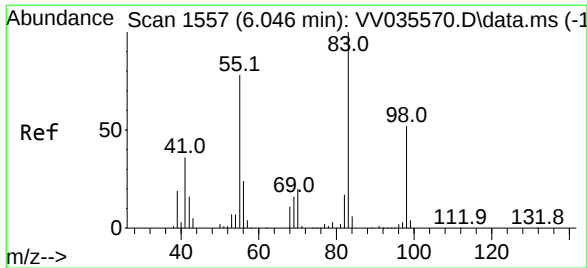
Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024



#34
Trichloroethene
Concen: 2.598 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.016 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

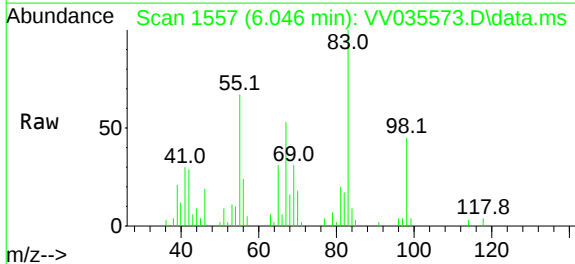
Tgt Ion: 95 Resp: 8530
Ion Ratio Lower Upper
95 100
97 68.0 45.1 83.9
132 102.8 69.4 128.8
130 94.5 71.3 132.3





#35
Methylcyclohexane
Concen: 2.159 ug/L
RT: 6.046 min Scan# 1557
Delta R.T. 0.000 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

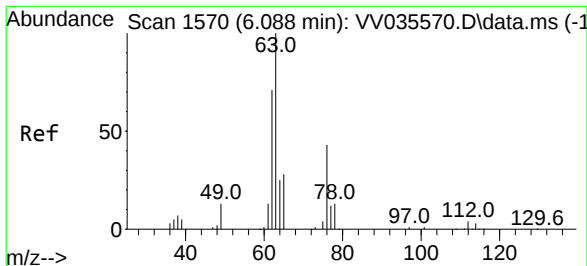
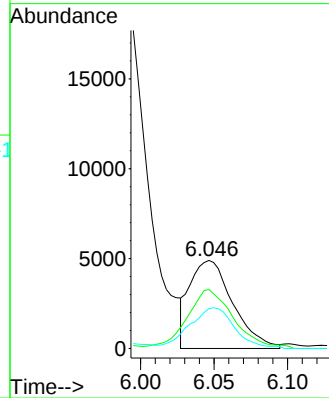
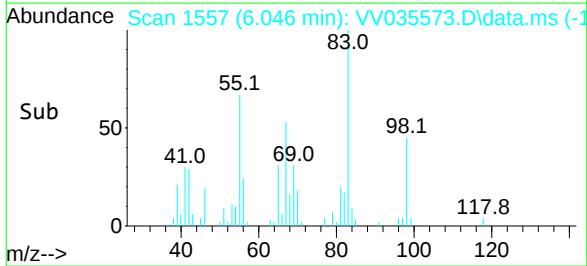
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT2-2024-03



Tgt Ion: 83 Resp: 9997
Ion Ratio Lower Upper
83 100
55 66.9 57.5 86.3
98 44.4 38.9 58.3

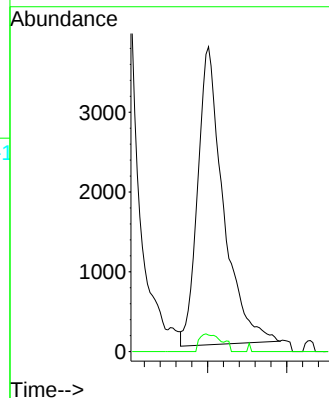
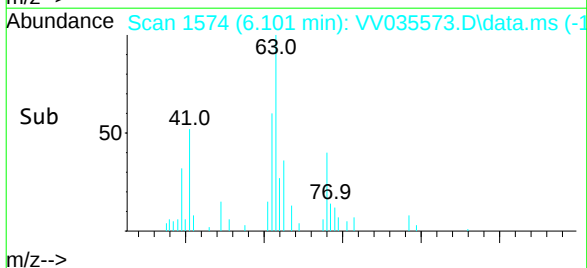
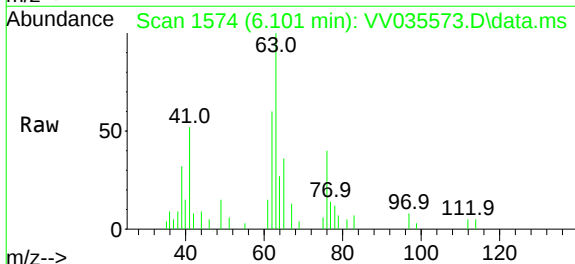
Manual Integrations
APPROVED

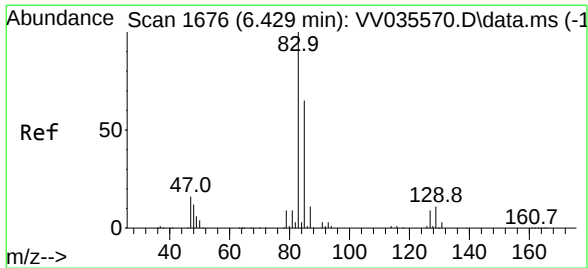
Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024



#37
1,2-Dichloropropane
Concen: 2.478 ug/L
RT: 6.101 min Scan# 1574
Delta R.T. 0.013 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

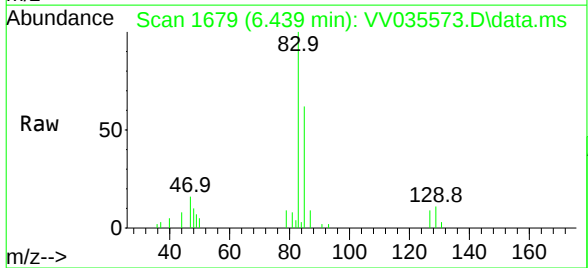
Tgt Ion: 63 Resp: 8397
Ion Ratio Lower Upper
63 100
112 2.7 3.4 5.2#





#38
 Bromodichloromethane
 Concen: 2.489 ug/L
 RT: 6.439 min Scan# 1676
 Delta R.T. 0.010 min
 Lab File: VV035573.D
 Acq: 10 May 2024 10:52

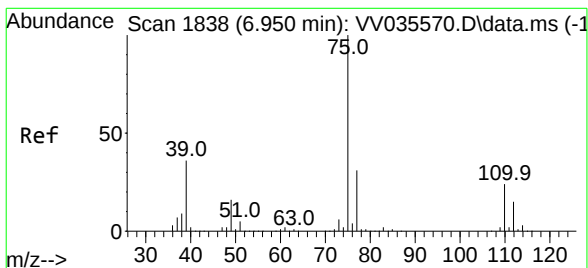
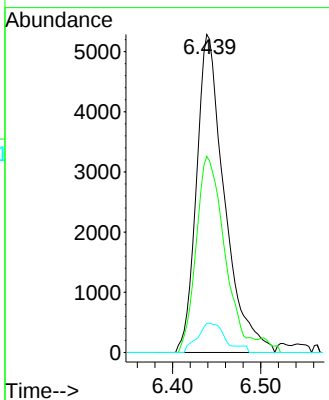
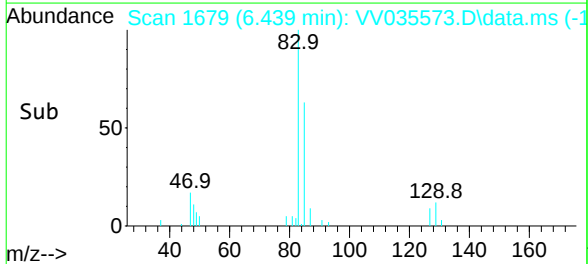
Instrument : MSVOA_V
 ClientSampleId : MDL-WATER-QT2-2024-03



Tgt Ion:	83	Resp:	11607
Ion	Ratio	Lower	Upper
83	100		
85	61.7	45.1	83.9
127	9.1	6.9	10.3

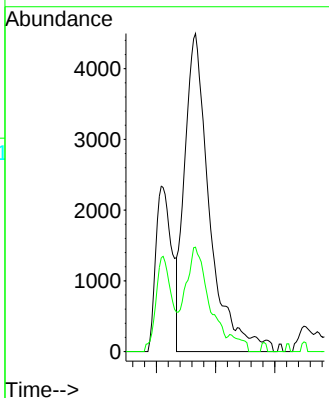
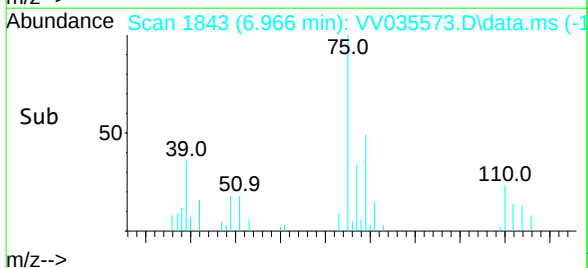
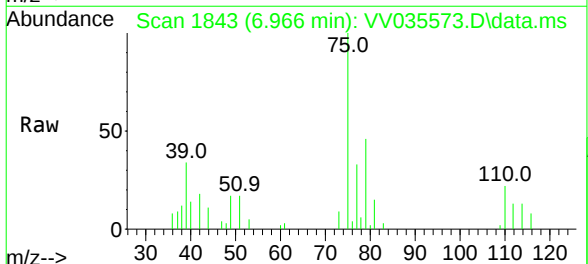
Manual Integrations
 APPROVED

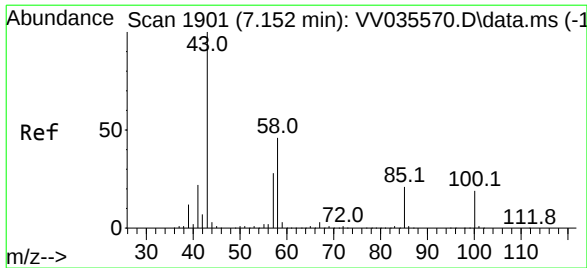
Reviewed By :Mahesh Dadoda 05/13/2024
 Supervised By :Semsettin Yesilyurt 05/13/2024



#39
 cis-1,3-Dichloropropene
 Concen: 2.480 ug/L m
 RT: 6.966 min Scan# 1843
 Delta R.T. 0.016 min
 Lab File: VV035573.D
 Acq: 10 May 2024 10:52

Tgt Ion:	75	Resp:	13194
Ion	Ratio	Lower	Upper
75	100		
77	32.8	22.3	41.3





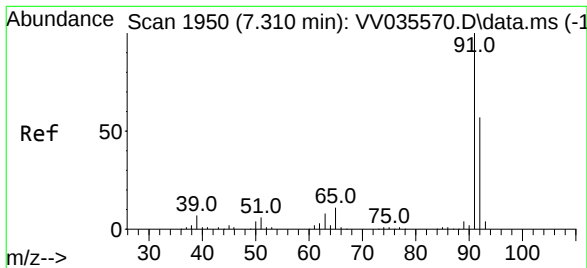
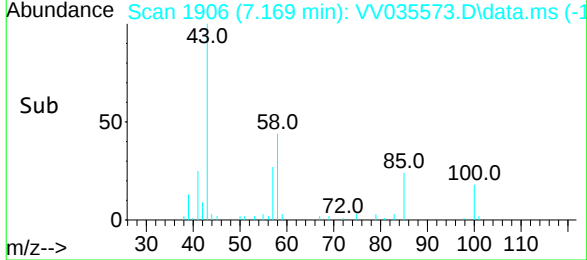
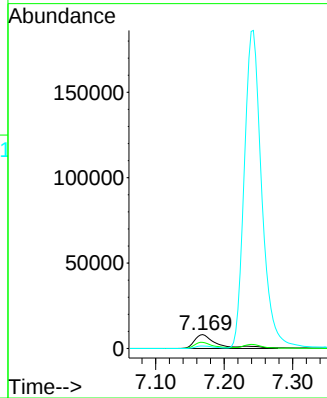
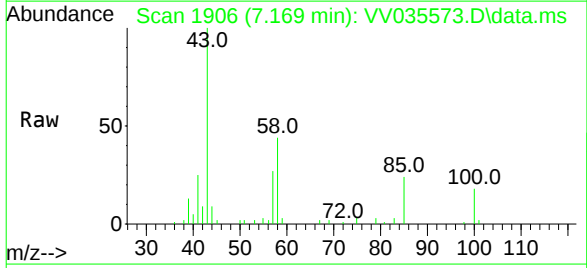
#40
4-Methyl-2-pentanone
Concen: 4.248 ug/L m
RT: 7.169 min Scan# 1901
Delta R.T. 0.016 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

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

Tgt Ion: 43 Resp: 19218
Ion Ratio Lower Upper
43 100
58 35.4 36.1 54.1#
100 14.6 15.0 22.4#

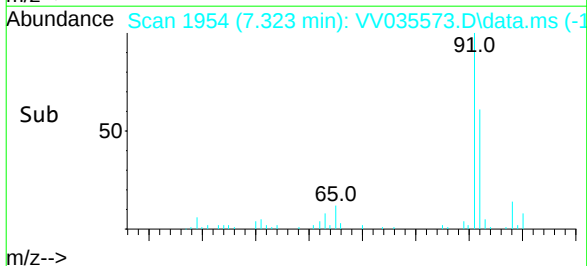
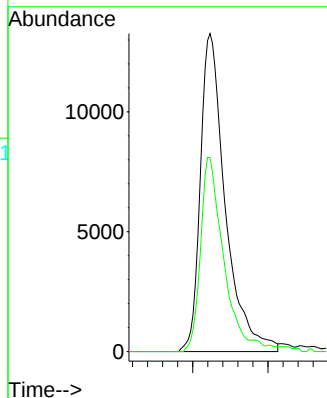
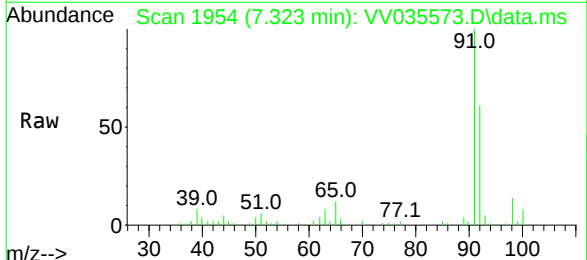
Manual Integrations
APPROVED

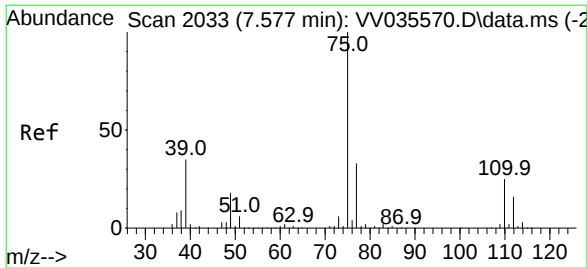
Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024



#42
Toluene
Concen: 2.360 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.013 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

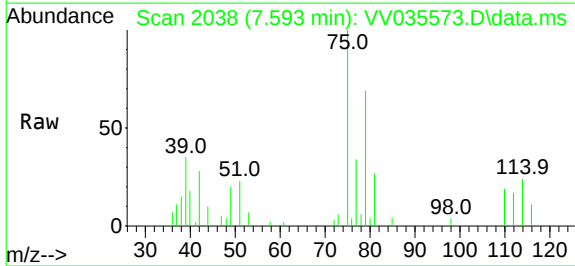
Tgt Ion: 91 Resp: 30536
Ion Ratio Lower Upper
91 100
92 61.0 40.3 74.9





#44
trans-1,3-Dichloropropene
Concen: 2.384 ug/L m
RT: 7.593 min Scan# 2038
Delta R.T. 0.016 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

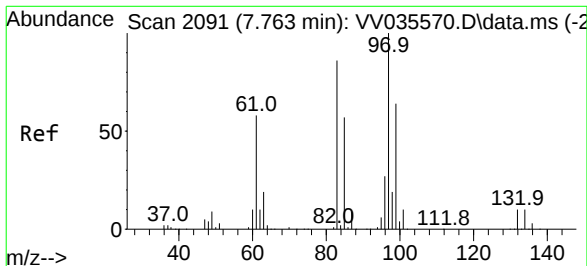
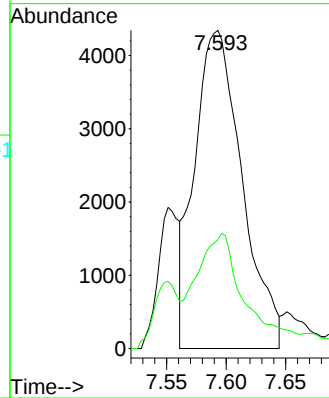
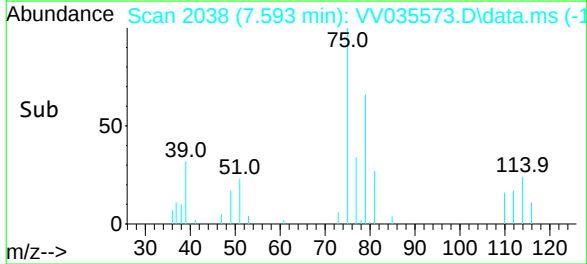
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT2-2024-03



Tgt Ion: 75 Resp: 12049
Ion Ratio Lower Upper
75 100
77 34.2 22.4 41.6

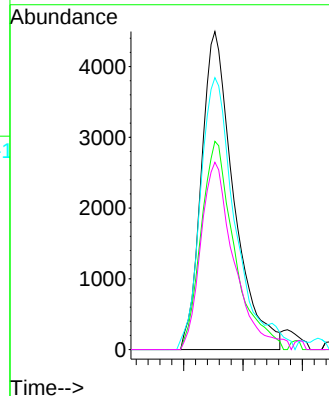
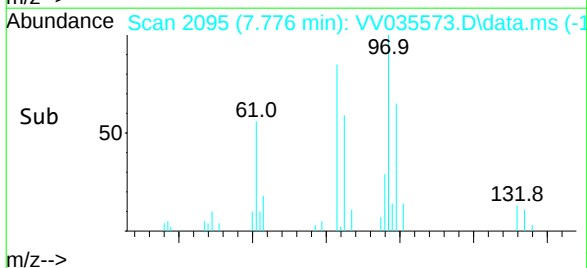
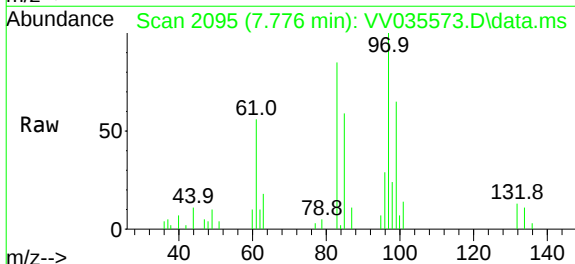
Manual Integrations
APPROVED

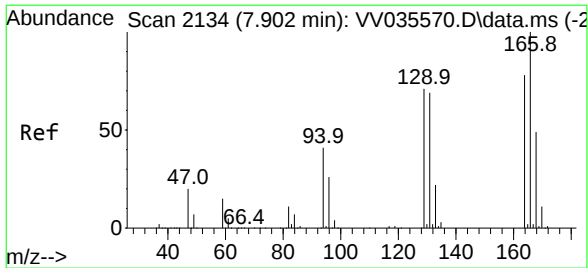
Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024



#45
1,1,2-Trichloroethane
Concen: 2.357 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.013 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

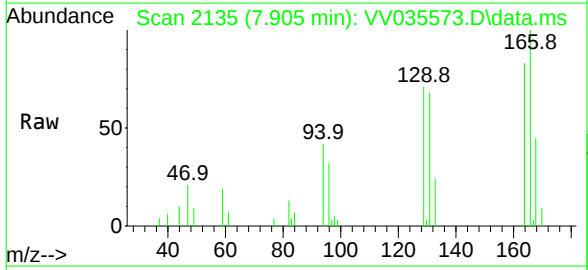
Tgt Ion: 97 Resp: 8543
Ion Ratio Lower Upper
97 100
99 65.5 44.2 82.2
83 85.5 59.3 110.1
85 58.9 38.4 71.2





#46
Tetrachloroethene
Concen: 2.316 ug/L
RT: 7.905 min Scan# 2113
Delta R.T. 0.003 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

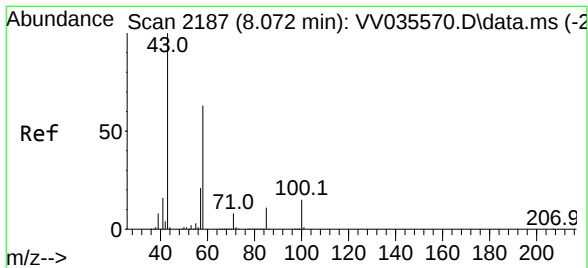
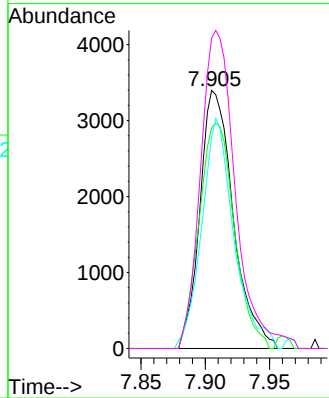
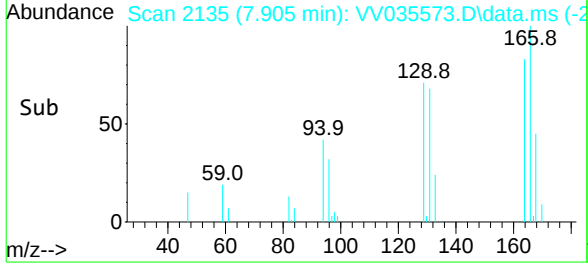
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT2-2024-03



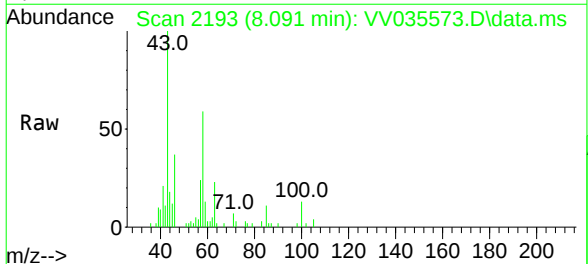
Tgt Ion	Ratio	Lower	Upper
164	100		
129	85.5	64.7	120.1
131	82.0	61.5	114.1
166	120.2	90.6	168.3

Manual Integrations
APPROVED

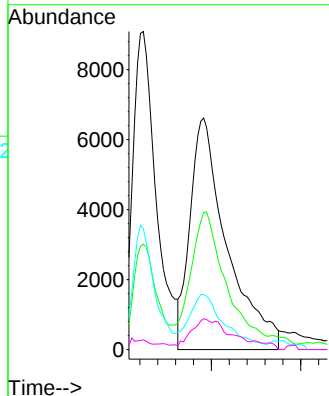
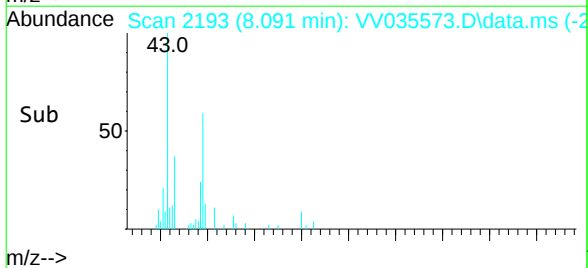
Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024

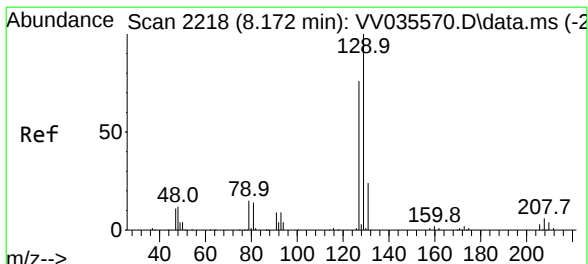


#48
2-Hexanone
Concen: 5.156 ug/L m
RT: 8.091 min Scan# 2193
Delta R.T. 0.019 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52



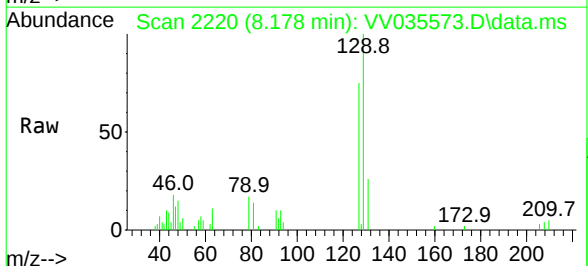
Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.7	50.8	76.2#
57	19.7	17.6	26.4
100	6.1	12.0	18.0#





#49
 Dibromochloromethane
 Concen: 2.356 ug/L
 RT: 8.178 min Scan# 2218
 Delta R.T. 0.006 min
 Lab File: VV035573.D
 Acq: 10 May 2024 10:52

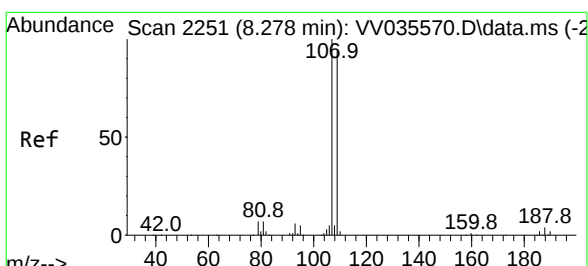
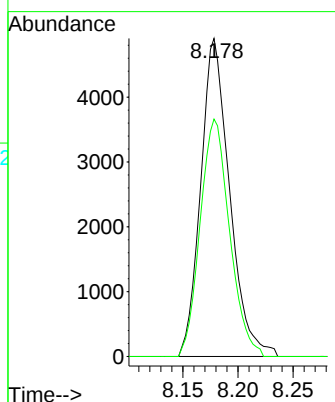
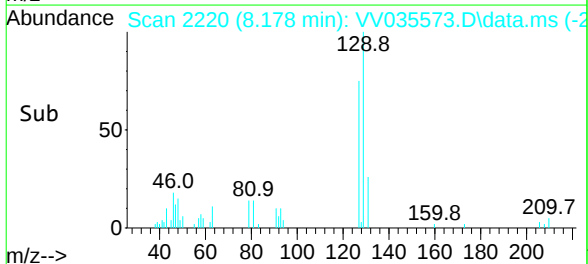
Instrument : MSVOA_V
 ClientSampleId : MDL-WATER-QT2-2024-03



Tgt Ion:	129	Resp:	8940
Ion	Ratio	Lower	Upper
129	100		
127	74.6	54.3	100.8

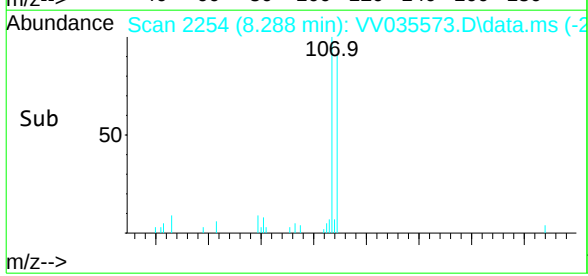
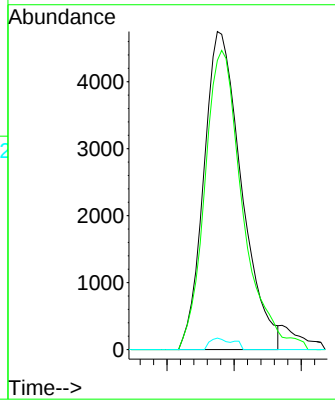
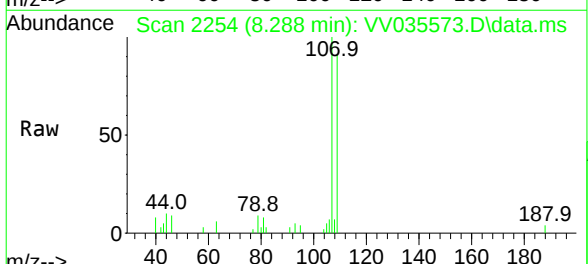
Manual Integrations
 APPROVED

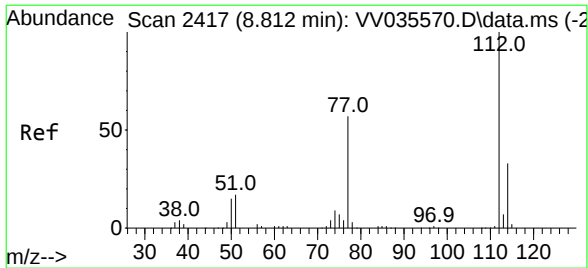
Reviewed By :Mahesh Dadoda 05/13/2024
 Supervised By :Semsettin Yesilyurt 05/13/2024



#50
 1,2-Dibromoethane
 Concen: 2.446 ug/L
 RT: 8.288 min Scan# 2254
 Delta R.T. 0.010 min
 Lab File: VV035573.D
 Acq: 10 May 2024 10:52

Tgt Ion:	107	Resp:	9262
Ion	Ratio	Lower	Upper
107	100		
109	90.9	65.7	122.1
188	3.6	3.1	4.7





#51

Chlorobenzene

Concen: 2.431 ug/L

RT: 8.818 min Scan# 2417

Delta R.T. 0.006 min

Lab File: VV035573.D

Acq: 10 May 2024 10:52

Instrument :

MSVOA_V

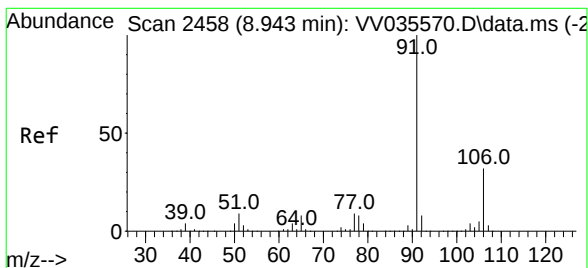
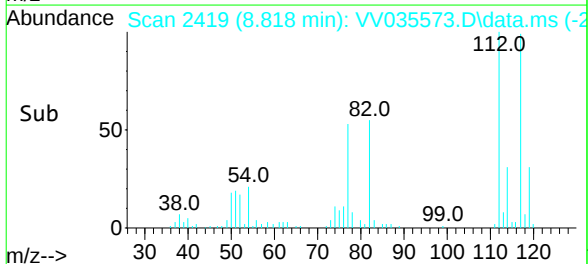
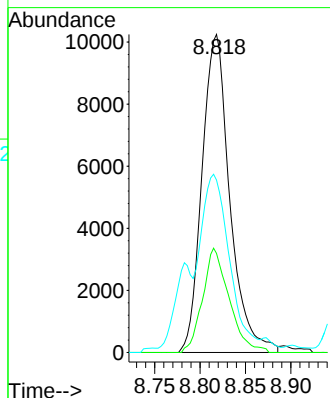
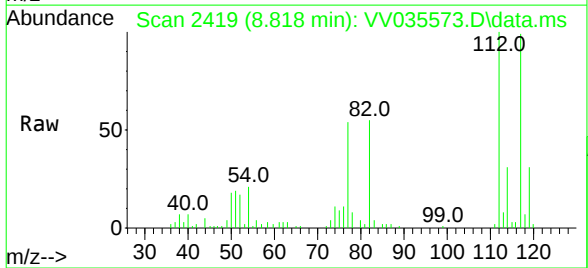
ClientSampleId :

MDL-WATER-QT2-2024-03

Tgt Ion:	112	Resp:	21840
Ion Ratio	Lower	Upper	
112	100		
114	31.2	22.4	41.6
77	54.2	45.9	68.9

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024



#52

Ethylbenzene

Concen: 2.018 ug/L

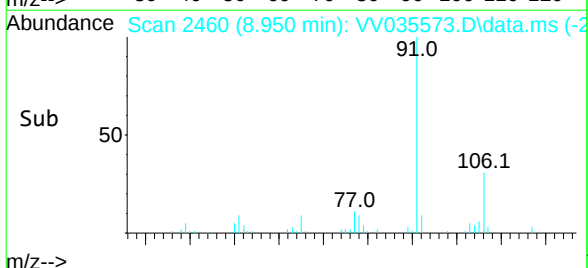
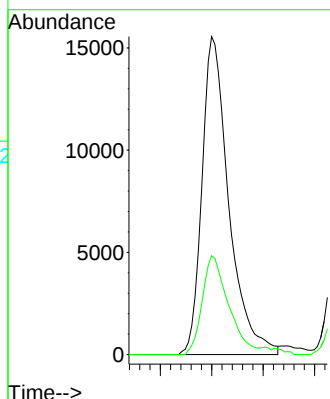
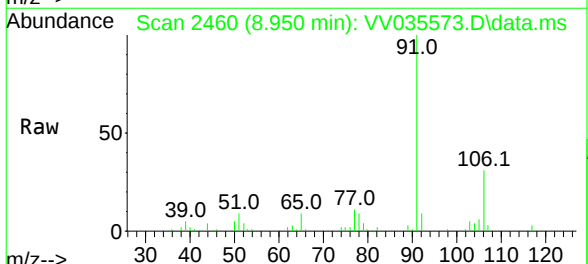
RT: 8.950 min Scan# 2460

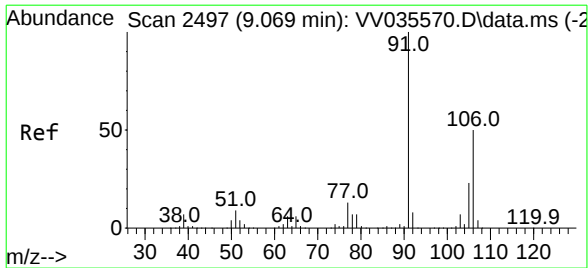
Delta R.T. 0.006 min

Lab File: VV035573.D

Acq: 10 May 2024 10:52

Tgt Ion:	91	Resp:	28218
Ion Ratio	Lower	Upper	
91	100		
106	31.1	21.6	40.0





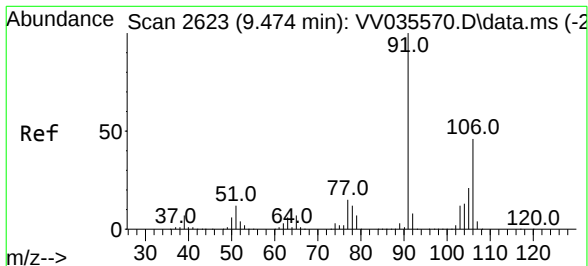
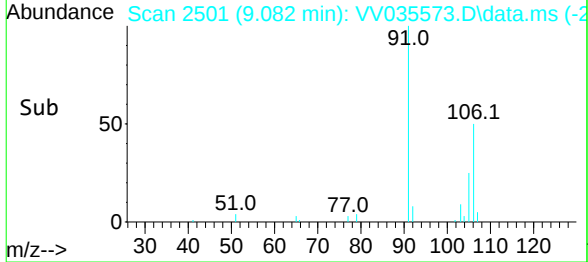
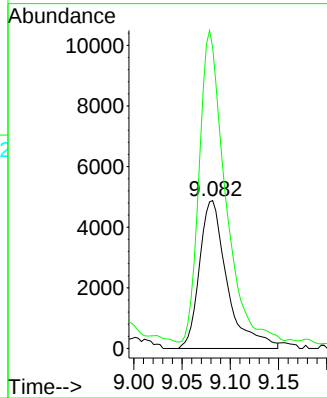
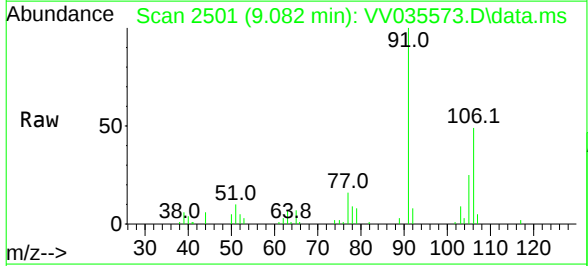
#53
m,p-Xylene
Concen: 1.883 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.013 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

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

Tgt Ion:106 Resp: 9768
Ion Ratio Lower Upper
106 100
91 203.8 144.8 268.8

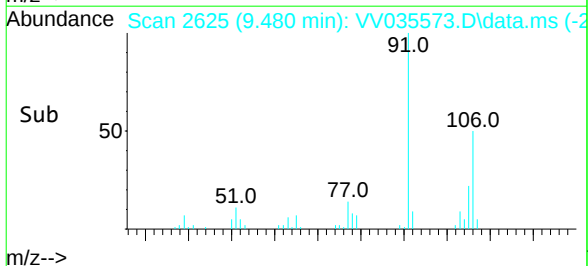
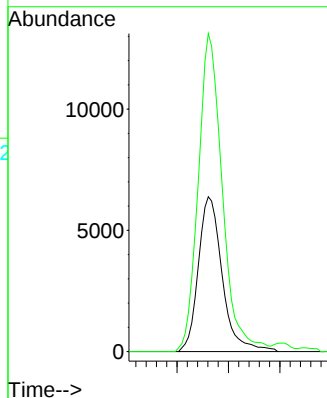
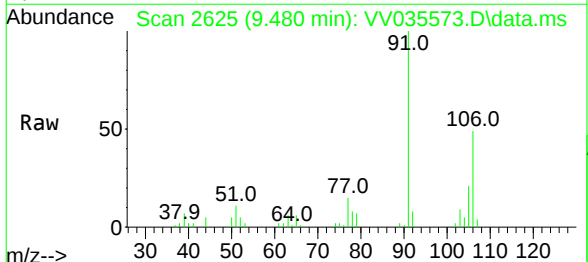
Manual Integrations
APPROVED

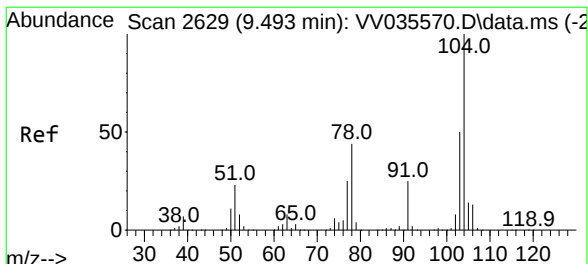
Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024



#54
o-Xylene
Concen: 1.975 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.006 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

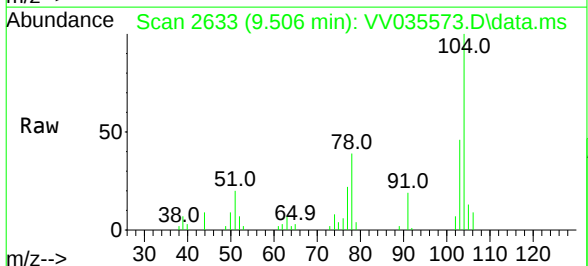
Tgt Ion:106 Resp: 10324
Ion Ratio Lower Upper
106 100
91 205.4 149.9 278.3





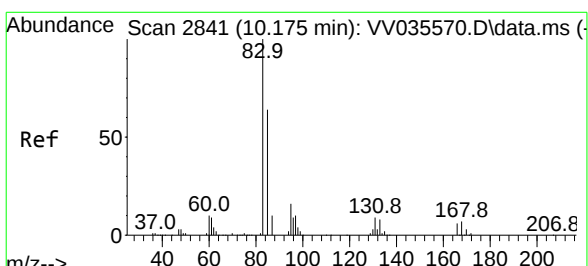
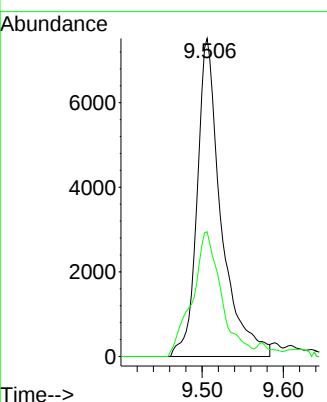
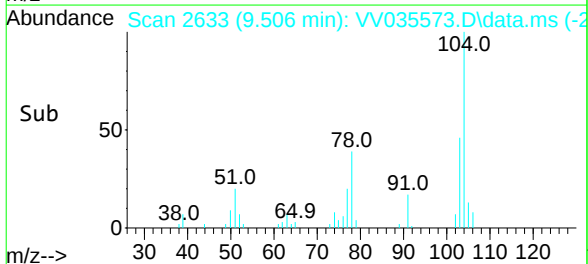
#55
Styrene
 Concen: 1.708 ug/L
 RT: 9.506 min Scan# 2629
 Delta R.T. 0.013 min
 Lab File: VV035573.D
 Acq: 10 May 2024 10:52

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

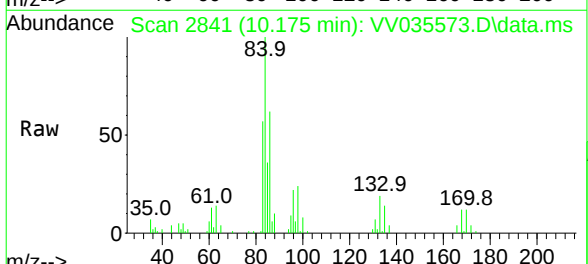


Tgt Ion:	104	Resp:	15428
Ion Ratio	Lower	Upper	
104	100		
78	39.2	29.9	55.5

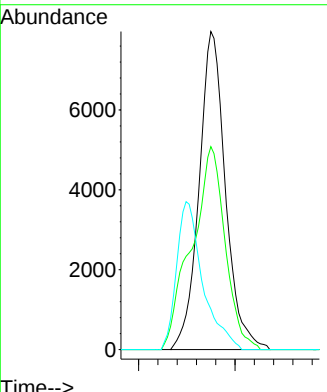
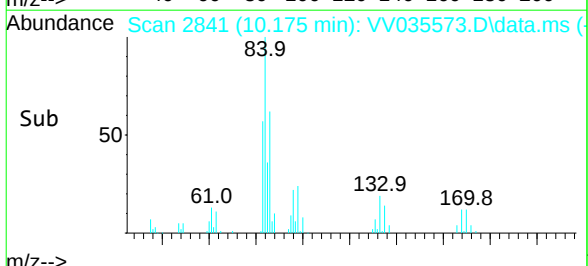
Manual Integrations
APPROVED
 Reviewed By :Mahesh Dadoda 05/13/2024
 Supervised By :Semsettin Yesilyurt 05/13/2024

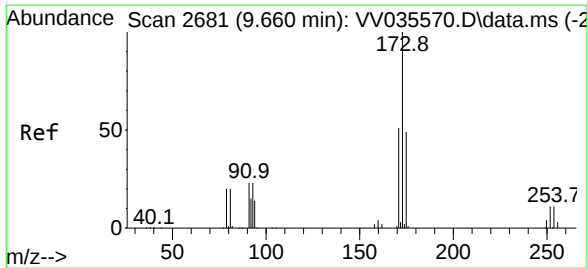


#57
1,1,2,2-Tetrachloroethane
 Concen: 2.441 ug/L
 RT: 10.175 min Scan# 2841
 Delta R.T. 0.000 min
 Lab File: VV035573.D
 Acq: 10 May 2024 10:52



Tgt Ion:	83	Resp:	15141
Ion Ratio	Lower	Upper	
83	100		
85	63.8	44.9	83.5
131	12.8	8.1	12.1#





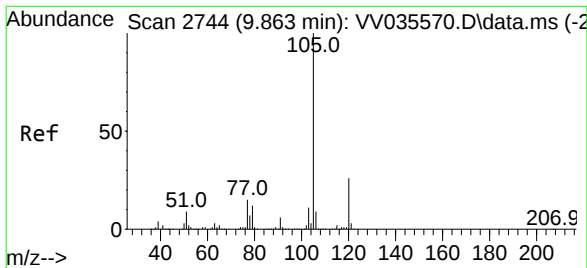
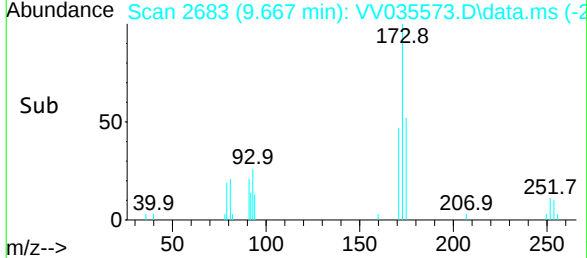
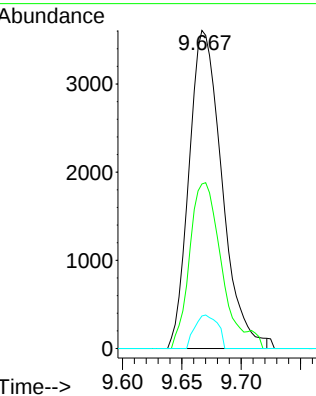
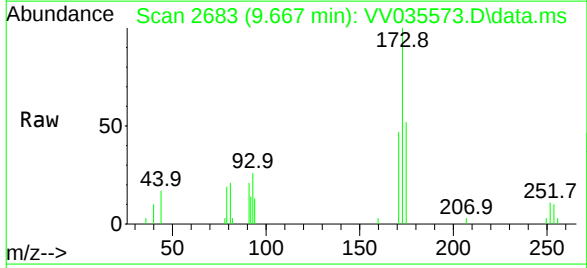
#59
Bromoform
Concen: 2.679 ug/L
RT: 9.667 min Scan# 2681
Delta R.T. 0.006 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

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

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.0	58.6
254	7.3	8.5	12.7

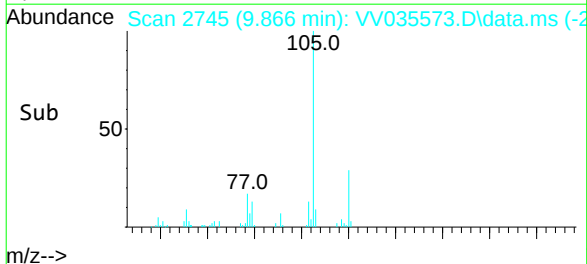
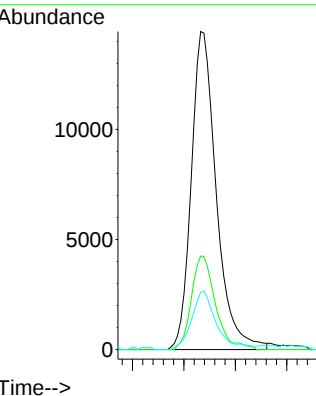
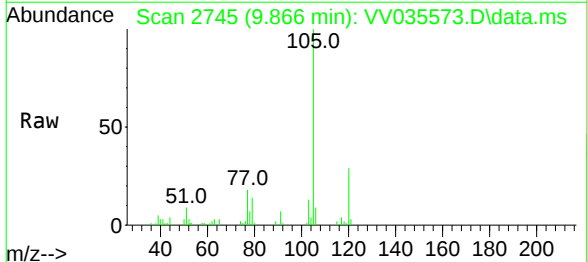
Manual Integrations
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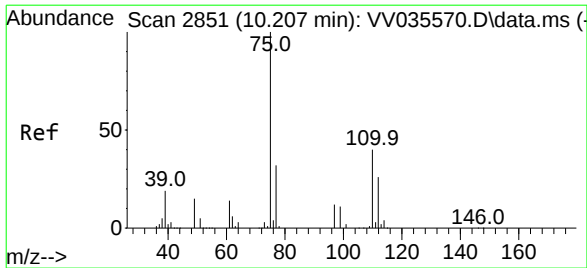
Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024



#60
Isopropylbenzene
Concen: 2.107 ug/L
RT: 9.866 min Scan# 2745
Delta R.T. 0.003 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.5	32.3
77	17.3	12.3	18.5





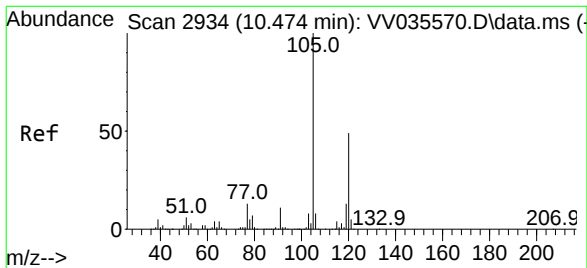
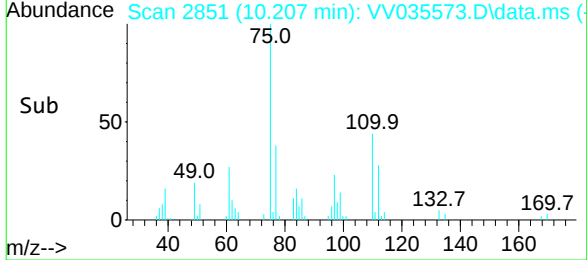
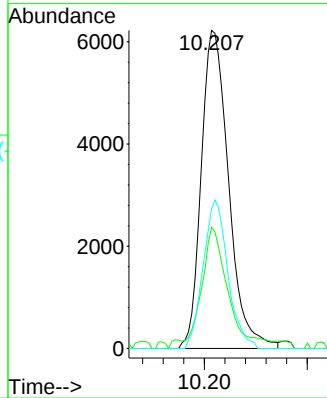
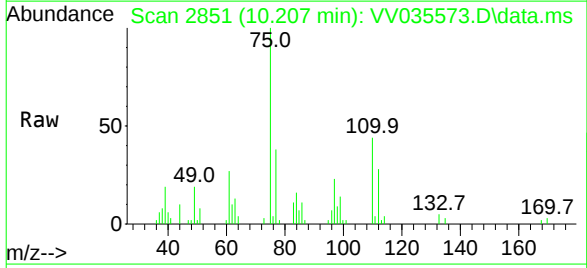
#61
1,2,3-Trichloropropane
Concen: 2.856 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

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

Tgt Ion:	75	Resp:	11505
Ion Ratio	Lower	Upper	
75	100		
77	32.4	25.8	38.6
110	42.1	31.6	47.4

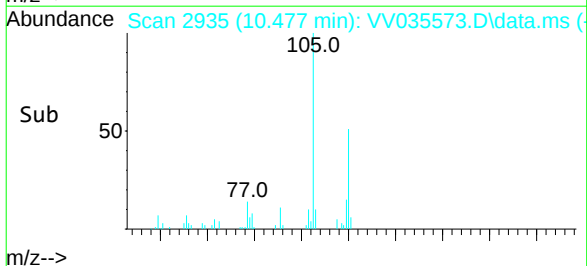
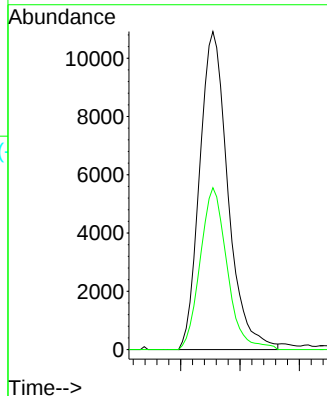
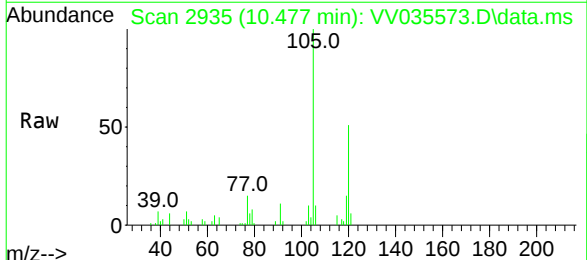
Manual Integrations
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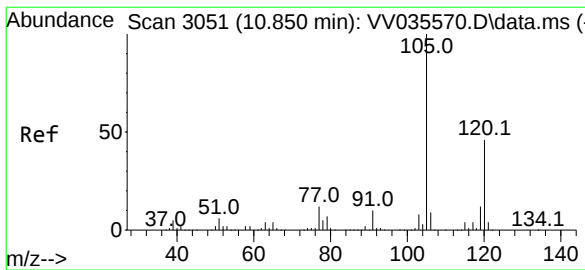
Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024



#62
1,3,5-Trimethylbenzene
Concen: 1.950 ug/L
RT: 10.477 min Scan# 2935
Delta R.T. 0.003 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

Tgt Ion:	105	Resp:	18096
Ion Ratio	Lower	Upper	
105	100		
120	48.3	39.5	59.3





#63

1,2,4-Trimethylbenzene

Concen: 1.930 ug/L

RT: 10.853 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV035573.D

Acq: 10 May 2024 10:52

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT2-2024-03

Tgt Ion:105 Resp: 17958

Ion Ratio Lower Upper

105 100

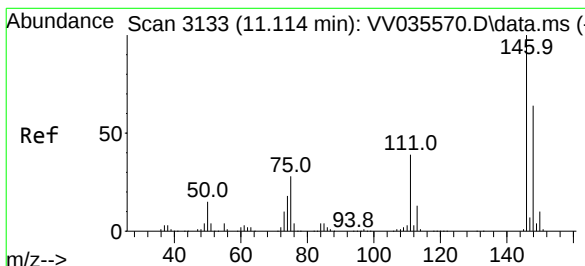
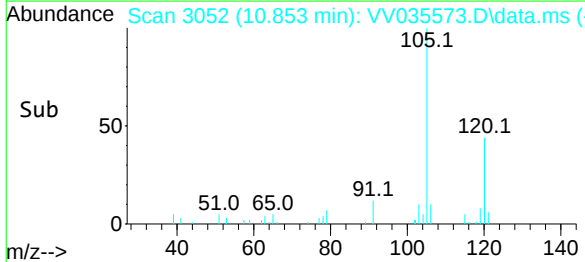
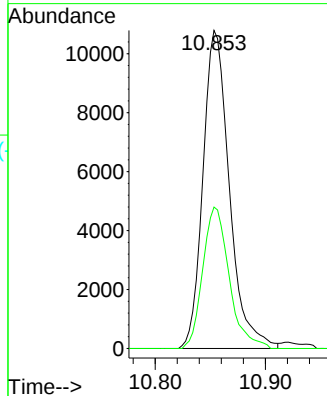
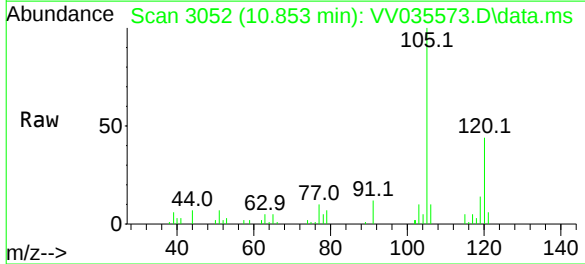
120 44.5 36.6 55.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 05/13/2024

Supervised By :Semsettin Yesilyurt 05/13/2024



#64

1,3-Dichlorobenzene

Concen: 2.441 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.006 min

Lab File: VV035573.D

Acq: 10 May 2024 10:52

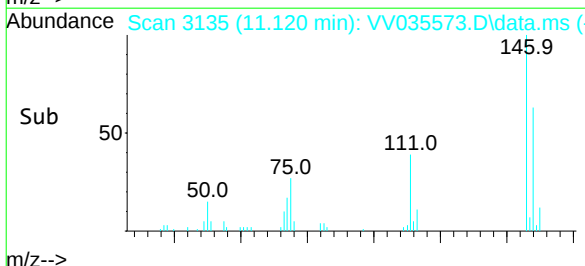
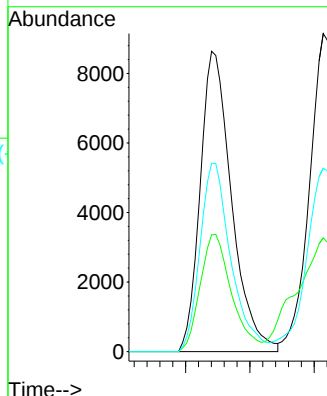
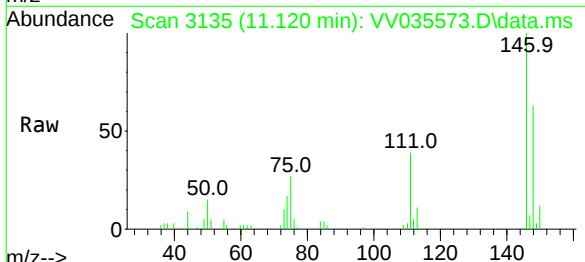
Tgt Ion:146 Resp: 14657

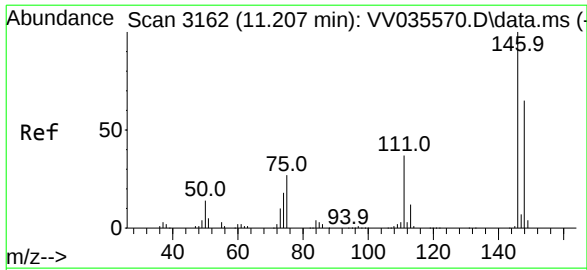
Ion Ratio Lower Upper

146 100

111 38.9 27.9 51.7

148 62.7 45.1 83.9





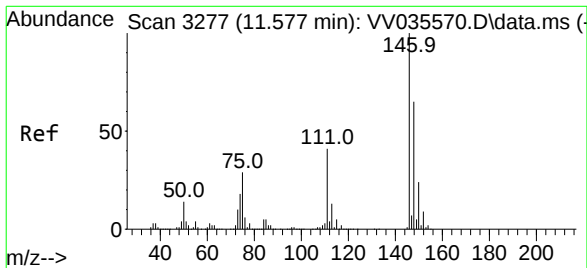
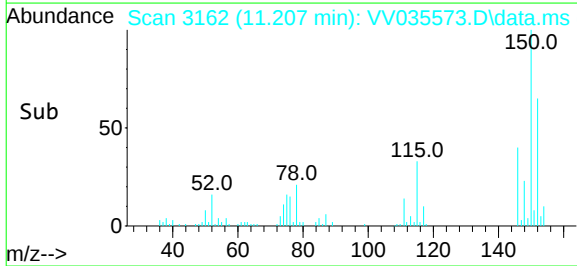
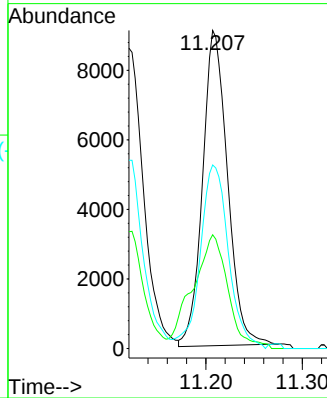
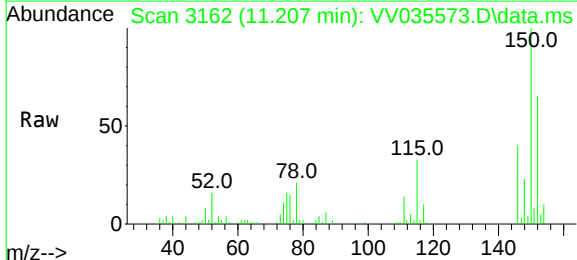
#65
1,4-Dichlorobenzene
Concen: 2.576 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

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

Tgt Ion:	146	Resp:	16316
Ion Ratio	Lower	Upper	
146	100		
111	35.8	26.4	49.0
148	57.7	44.3	82.3

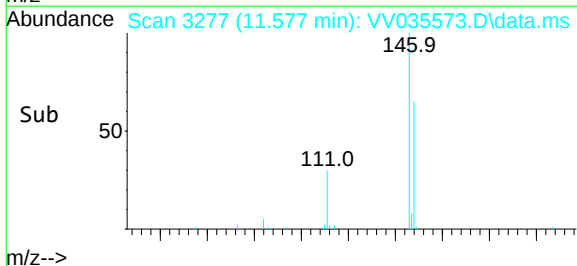
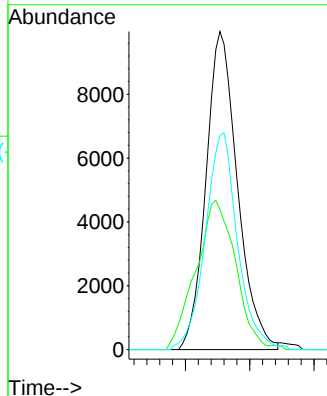
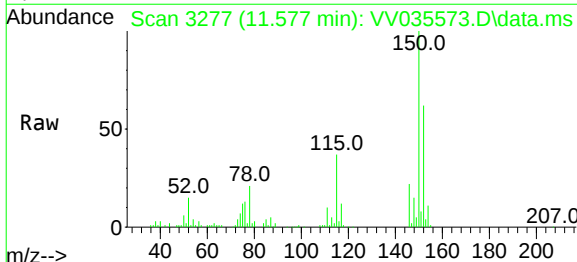
Manual Integrations
APPROVED

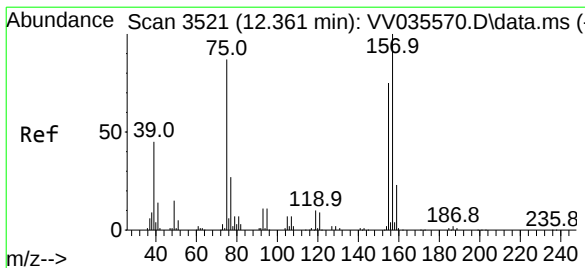
Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024



#67
1,2-Dichlorobenzene
Concen: 2.705 ug/L
RT: 11.577 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

Tgt Ion:	146	Resp:	16989
Ion Ratio	Lower	Upper	
146	100		
111	44.2	32.1	48.1
148	67.4	51.5	77.3





#68

1,2-Dibromo-3-chloropropane

Concen: 2.511 ug/L

RT: 12.368 min Scan# 3521

Delta R.T. 0.006 min

Lab File: VV035573.D

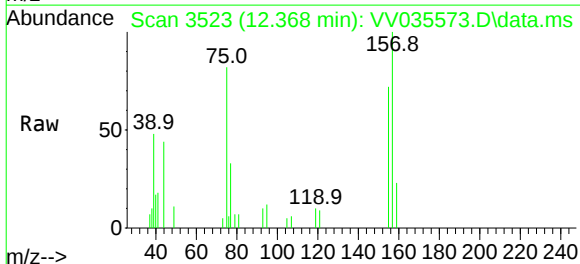
Acq: 10 May 2024 10:52

Instrument :

MSVOA_V

ClientSampleId :

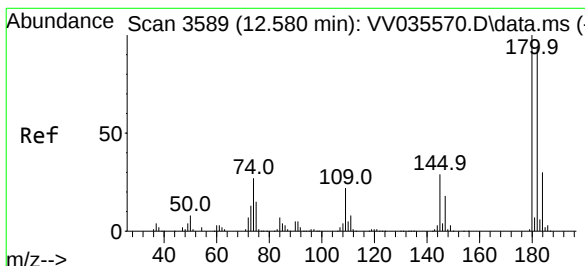
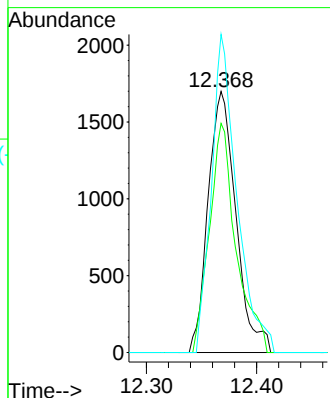
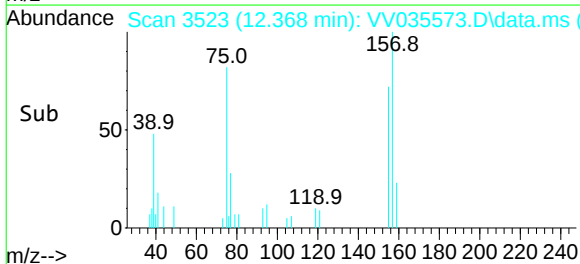
MDL-WATER-QT2-2024-03



Tgt	Ion	Ratio	Lower	Upper
75	100			
155	87.8	71.4	107.2	
157	121.8	95.0	142.4	

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Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024



#69

1,3,5-Trichlorobenzene

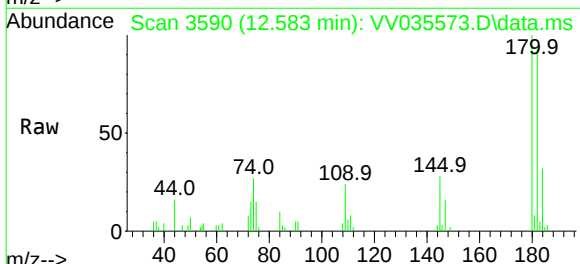
Concen: 2.315 ug/L

RT: 12.583 min Scan# 3590

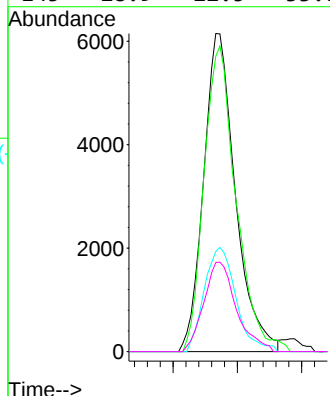
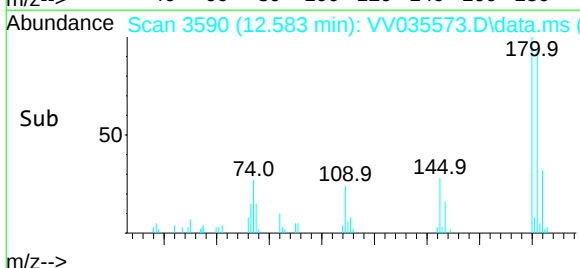
Delta R.T. 0.003 min

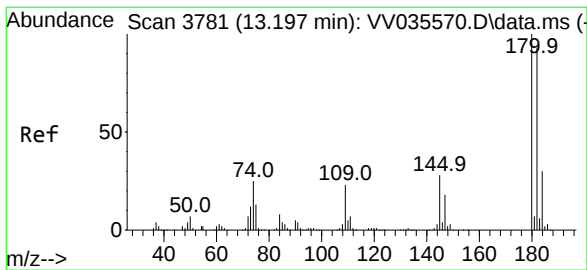
Lab File: VV035573.D

Acq: 10 May 2024 10:52



Tgt	Ion	Ratio	Lower	Upper
180	100			
182	95.3	75.7	113.5	
184	32.5	24.1	36.1	
145	28.9	22.5	33.7	





#70

1,2,4-trichlorobenzene

Concen: 2.207 ug/L

RT: 13.201 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV035573.D

Acq: 10 May 2024 10:52

Instrument :

MSVOA_V

ClientSampleId :

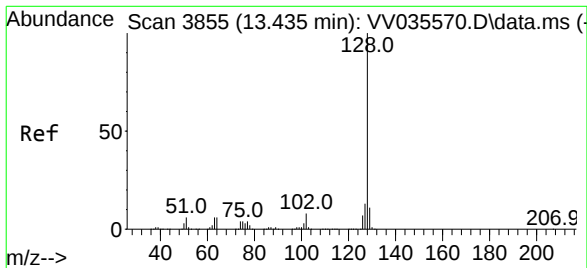
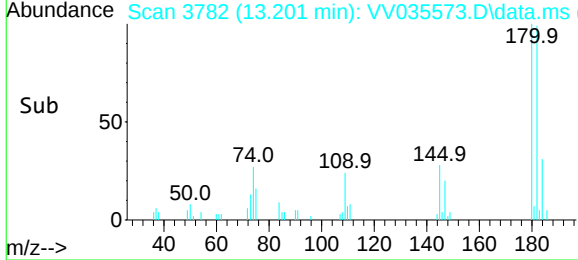
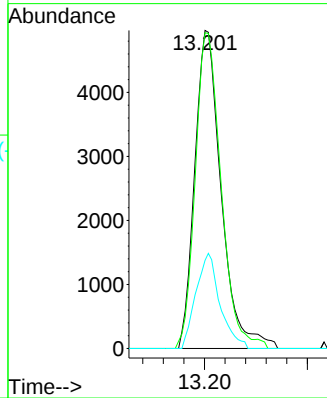
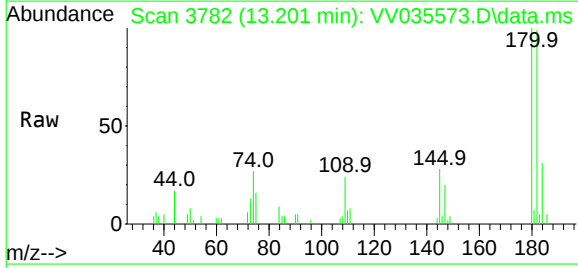
MDL-WATER-QT2-2024-03

Tgt Ion:	180	Resp:	8858
Ion Ratio	Lower	Upper	
180	100		
182	96.3	75.7	113.5
145	27.2	23.0	34.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024



#71

Naphthalene

Concen: 2.039 ug/L

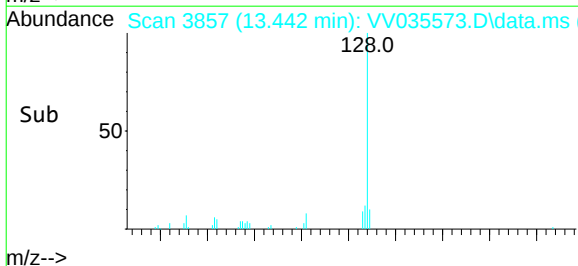
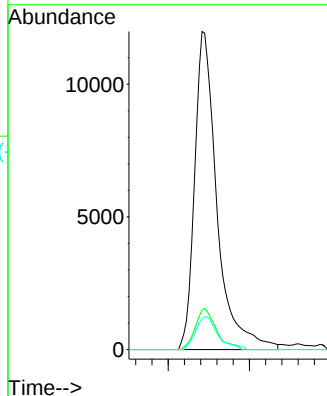
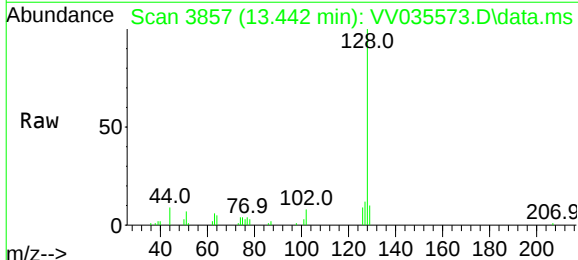
RT: 13.442 min Scan# 3857

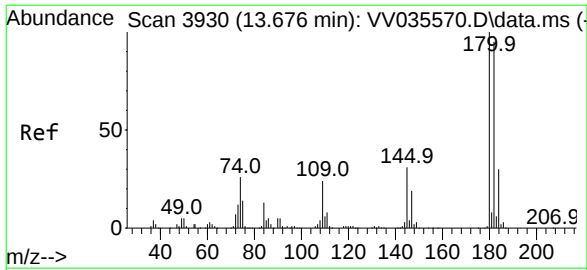
Delta R.T. 0.006 min

Lab File: VV035573.D

Acq: 10 May 2024 10:52

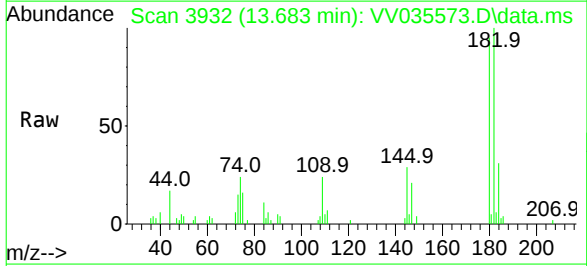
Tgt Ion:	128	Resp:	22942
Ion Ratio	Lower	Upper	
128	100		
127	12.1	10.2	15.4
129	10.0	8.7	13.1





#72
1,2,3-Trichlorobenzene
Concen: 2.335 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.006 min
Lab File: VV035573.D
Acq: 10 May 2024 10:52

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



Tgt	Ion	Ratio	Lower	Upper
180	180	100		
182	95.9	76.2	114.2	
145	30.2	24.9	37.3	

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/13/2024
Supervised By :Semsettin Yesilyurt 05/13/2024

