

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051524\
 Data File : VW035609.D
 Acq On : 14 May 2024 14:57
 Operator : SY/MD
 Sample : P2409-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: May 15 04:05:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR051424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 15 02:29:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024
 Supervised By :Semsettin Yesilyurt 05/15/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	224085	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	234374	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	103003	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	62323	4.385	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	87.600%	
7) Chloroethane-d5	1.532	69	60869	4.730	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	94.600%	
11) 1,1-Dichloroethene-d2	2.056	65	27990	4.433	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	88.600%	
20) 2-Butanone-d5	3.841	46	142321	42.965	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	85.920%	
24) Chloroform-d	4.246	84	141086	4.678	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	93.600%	
26) 1,2-Dichloroethane-d4	4.941	65	70702	5.112	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	102.200%	
32) Benzene-d6	4.957	84	253215	4.714	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.200%	
36) 1,2-Dichloropropane-d6	5.985	67	85428	5.018	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	100.400%	
41) Toluene-d8	7.243	98	202415	4.273	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	85.400%	
43) trans-1,3-Dichloroprop...	7.558	79	28185	4.759	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	95.200%	
46) 2-Hexanone-d5	8.027	63	115358	43.059	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	86.120%	
56) 1,1,2,2-Tetrachloroeth...	10.153	84	61609	4.467	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	89.400%	
66) 1,2-Dichlorobenzene-d4	11.561	152	82407	5.173	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	103.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	3905	0.217	ug/L	94
5) Vinyl chloride	1.281	62	4556	0.224	ug/L #	72
6) Bromomethane	1.487	94	3367	0.245	ug/L	92
8) Chloroethane	1.545	64	3005	0.228	ug/L	98
9) Trichlorofluoromethane	1.712	101	5758	0.219	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	4366	0.264	ug/L	90
12) 1,1-Dichloroethene	2.066	96	4115	0.261	ug/L #	1
14) Carbon disulfide	2.236	76	9762	0.222	ug/L	99
15) Methyl Acetate	2.410	43	1130m	0.187	ug/L	
16) Methylene chloride	2.445	84	21516	0.968	ug/L	95
17) Methyl tert-butyl Ether	2.709	73	7038	0.193	ug/L	96
18) trans-1,2-Dichloroethene	2.696	96	3484	0.213	ug/L	96
19) 1,1-Dichloroethane	3.111	63	6997	0.214	ug/L	97
21) 2-Butanone	3.934	43	8033m	2.270	ug/L	
22) cis-1,2-Dichloroethene	3.822	96	3349	0.194	ug/L	94
23) Bromochloromethane	4.162	128	1667	0.199	ug/L #	87
25) Chloroform	4.272	83	9314	0.273	ug/L	92
27) 1,2-Dichloroethane	5.063	62	3938	0.208	ug/L	96
29) 1,1,1-Trichloroethane	4.506	97	5849	0.206	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	4.574	56	3924	0.191	ug/L	92
31) Carbon tetrachloride	4.728	117	4944	0.200	ug/L	99
33) Benzene	5.014	78	14235m	0.221	ug/L	
34) Trichloroethene	5.847	95	3817	0.206	ug/L	96
35) Methylcyclohexane	6.043	83	5114m	0.214	ug/L	
37) 1,2-Dichloropropane	6.101	63	3895	0.225	ug/L #	85
38) Bromodichloromethane	6.445	83	4645	0.199	ug/L #	98
39) cis-1,3-Dichloropropene	6.969	75	4733m	0.205	ug/L	
40) 4-Methyl-2-pentanone	7.175	43	15539m	1.891	ug/L	
42) Toluene	7.326	91	13090	0.195	ug/L	91
44) trans-1,3-Dichloropropene	7.603	75	3867	0.199	ug/L	99
45) 1,1,2-Trichloroethane	7.780	97	2631	0.194	ug/L	95
47) Tetrachloroethene	7.908	164	2952	0.202	ug/L	81
48) 2-Hexanone	8.091	43	18251	3.021	ug/L #	80
49) Dibromochloromethane	8.178	129	3018	0.202	ug/L	99
50) 1,2-Dibromoethane	8.291	107	2470	0.196	ug/L #	82
51) Chlorobenzene	8.821	112	9884	0.212	ug/L	94
52) Ethylbenzene	8.953	91	12513	0.178	ug/L	88
53) m,p-Xylene	9.082	106	4587	0.172	ug/L	92
54) o-Xylene	9.484	106	4311	0.170	ug/L	92
55) Styrene	9.509	104	6571m	0.149	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.178	83	2991	0.207	ug/L #	95
59) Bromoform	9.673	173	1503	0.203	ug/L #	89
60) Isopropylbenzene	9.870	105	10936	0.187	ug/L #	95
61) 1,2,3-Trichloropropane	10.210	75	2316	0.241	ug/L #	89
62) 1,3,5-Trimethylbenzene	10.480	105	8497	0.185	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	8136	0.179	ug/L	98
64) 1,3-Dichlorobenzene	11.127	146	7210	0.229	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	7744	0.239	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	7153	0.238	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.368	75	496	0.242	ug/L #	59
69) 1,3,5-Trichlorobenzene	12.586	180	5429	0.228	ug/L	97
70) 1,2,4-trichlorobenzene	13.201	180	4484	0.238	ug/L	96
71) Naphthalene	13.448	128	6156	0.227	ug/L #	92
72) 1,2,3-Trichlorobenzene	13.680	180	3856	0.221	ug/L	95

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

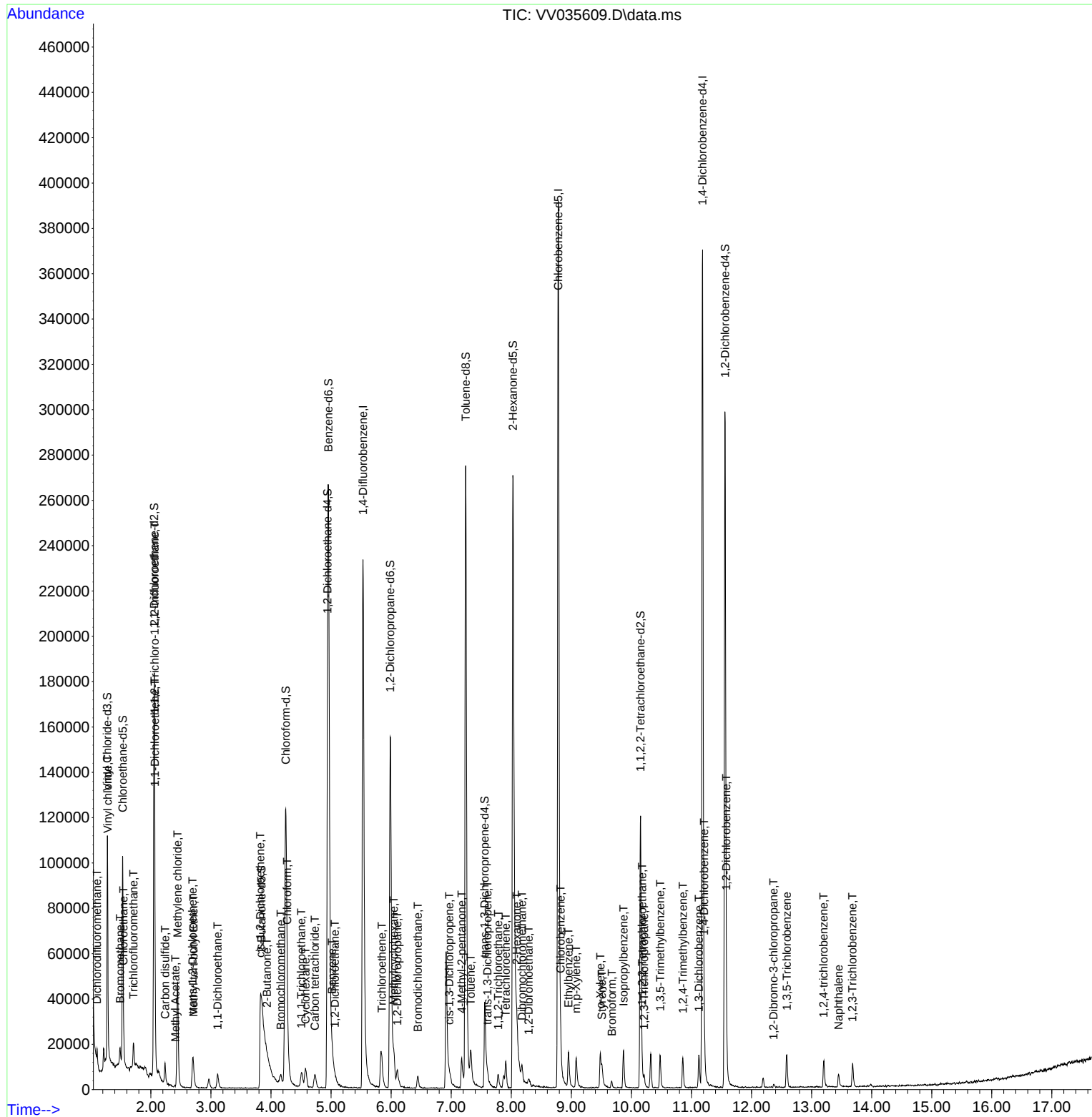
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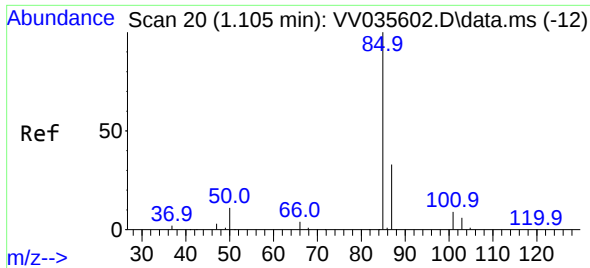
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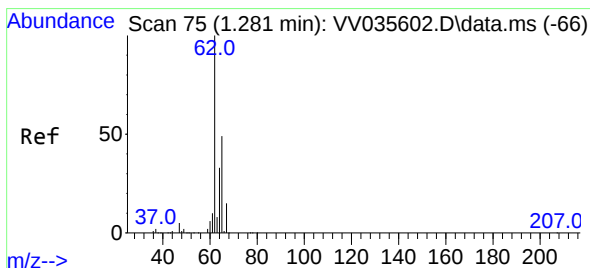
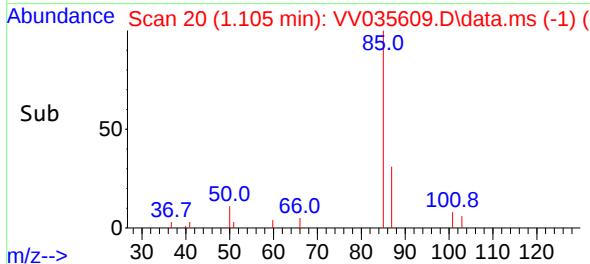
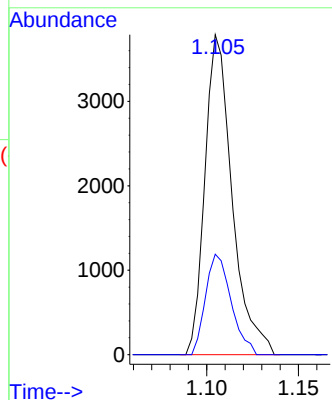
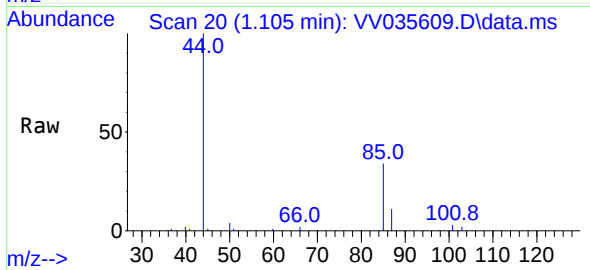
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Dichlorodifluoromethane
Concen: 0.217 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

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

Tgt Ion: 85 Resp: 3908
Ion Ratio Lower Upper
85 100
87 29.5 26.4 39.6

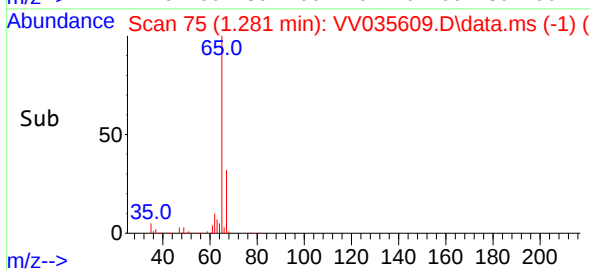
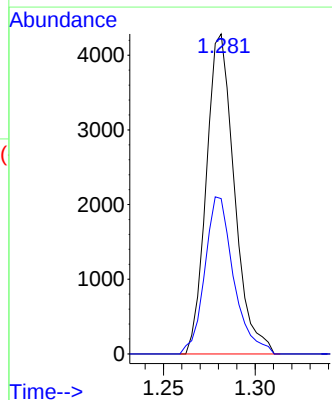
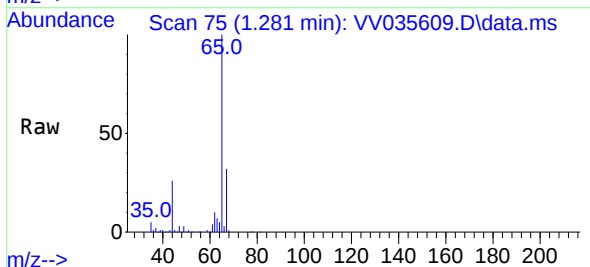
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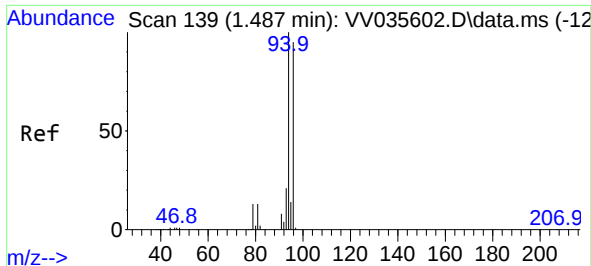
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#5
Vinyl chloride
Concen: 0.224 ug/L
RT: 1.281 min Scan# 75
Delta R.T. 0.000 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

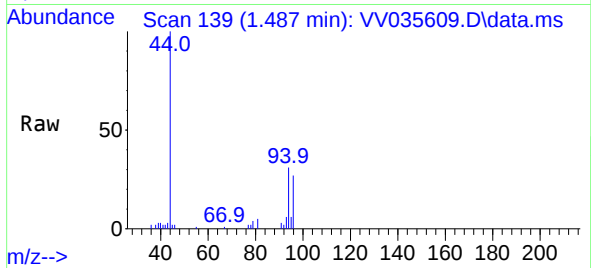
Tgt Ion: 62 Resp: 4556
Ion Ratio Lower Upper
62 100
64 48.6 22.9 42.5





#6
Bromomethane
Concen: 0.245 ug/L
RT: 1.487 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

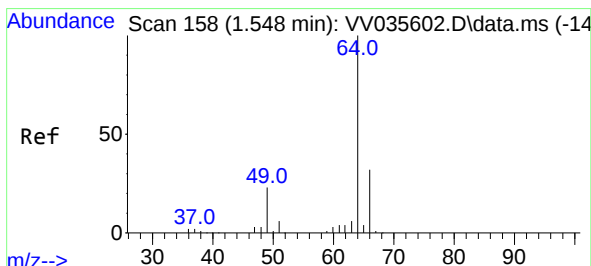
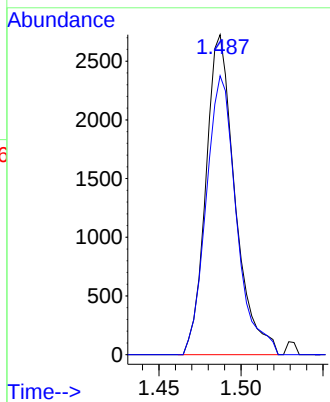
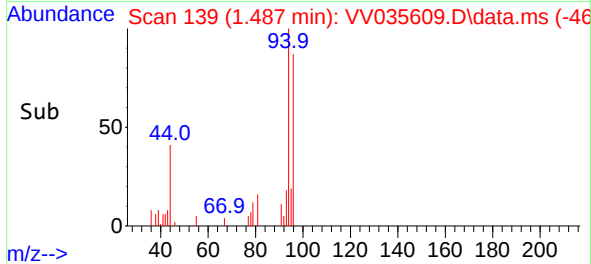
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion: 94 Resp: 336
Ion Ratio Lower Upper
94 100
96 87.2 66.4 123.4

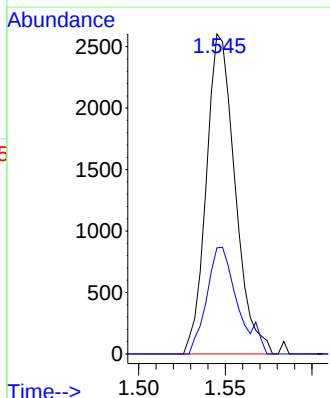
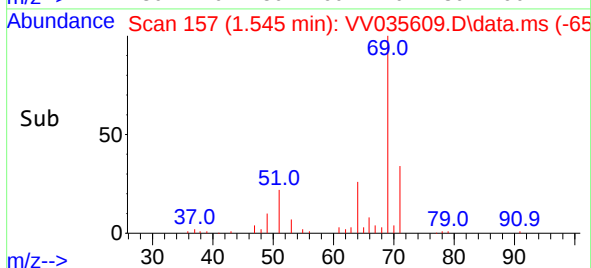
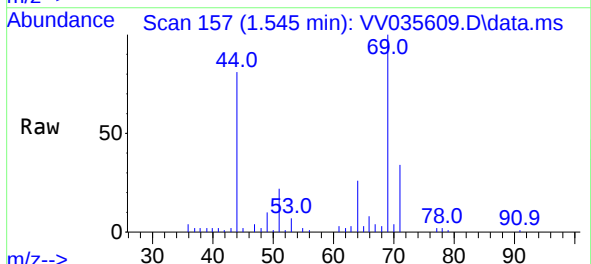
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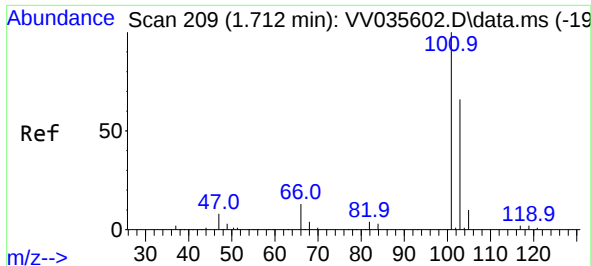
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#8
Chloroethane
Concen: 0.228 ug/L
RT: 1.545 min Scan# 157
Delta R.T. -0.003 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

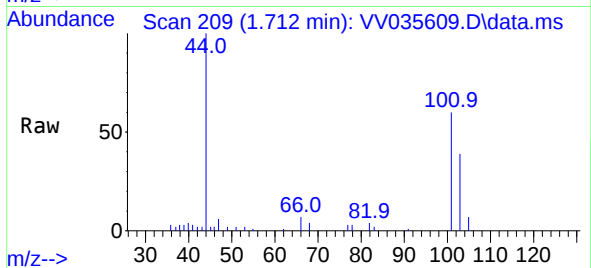
Tgt Ion: 64 Resp: 3005
Ion Ratio Lower Upper
64 100
66 33.2 22.3 41.3





#9
Trichlorofluoromethane
Concen: 0.219 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

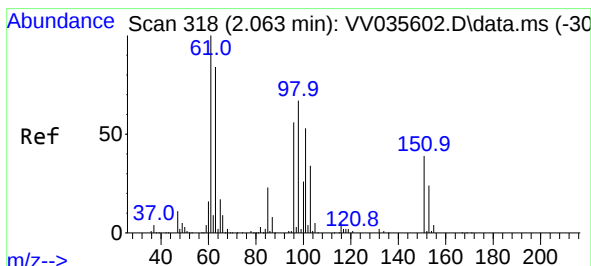
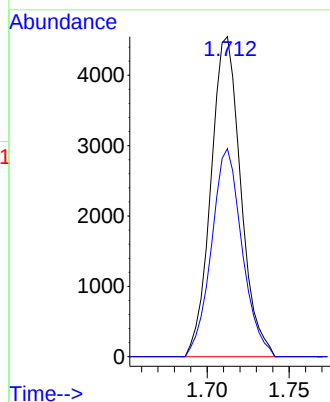
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion:101 Resp: 5758
Ion Ratio Lower Upper
101 100
103 66.6 52.8 79.2

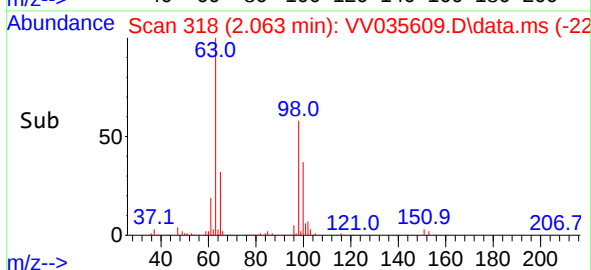
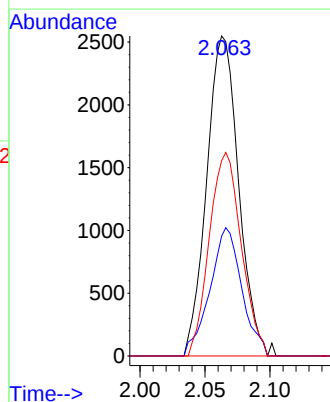
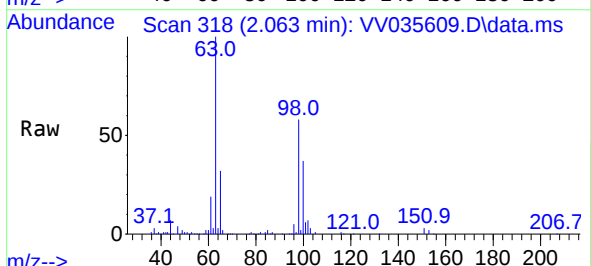
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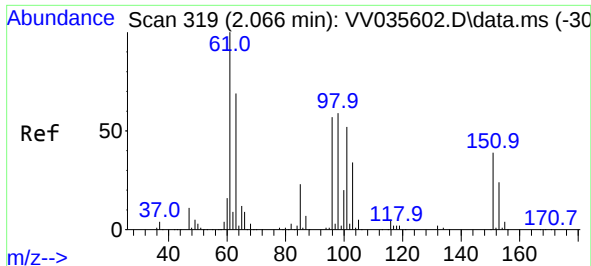
Reviewed By :Mahesh Dadoda 05/15/2024
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#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.264 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.000 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

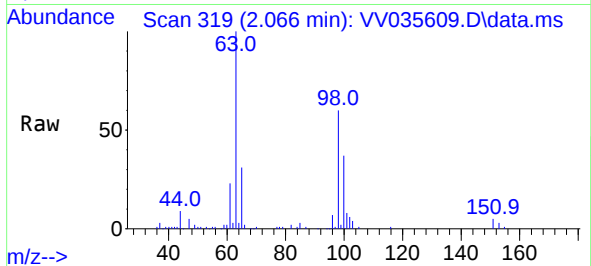
Tgt Ion:101 Resp: 4366
Ion Ratio Lower Upper
101 100
85 40.0 34.6 51.8
151 63.7 59.3 88.9





#12
1,1-Dichloroethene
Concen: 0.261 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.000 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

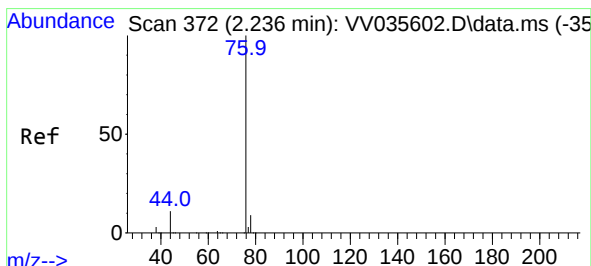
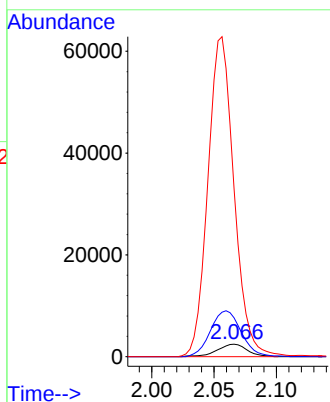
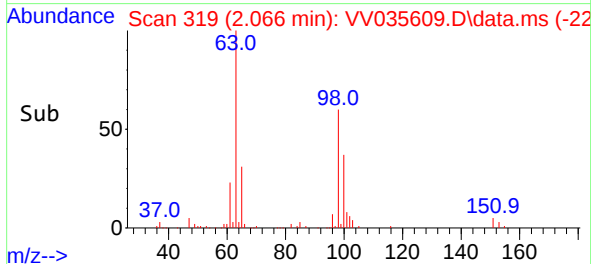
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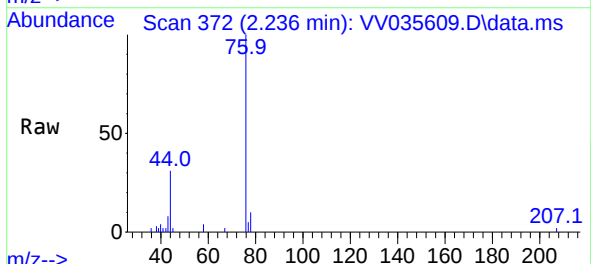
Tgt Ion: 96 Resp: 411
Ion Ratio Lower Upper
96 100
61 309.8 122.8 228.1
63 1341.7 85.1 158.1

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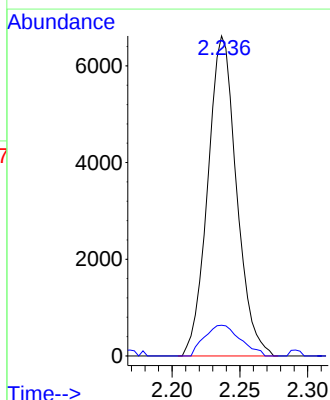
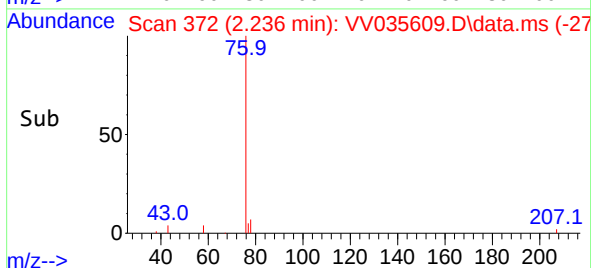
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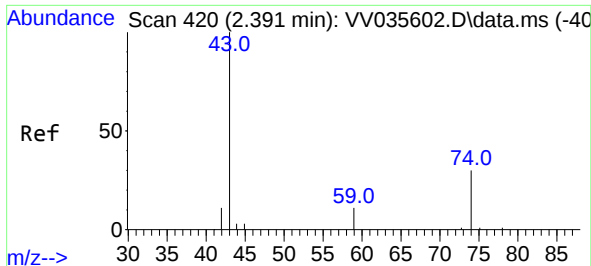


#14
Carbon disulfide
Concen: 0.222 ug/L
RT: 2.236 min Scan# 372
Delta R.T. 0.000 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57



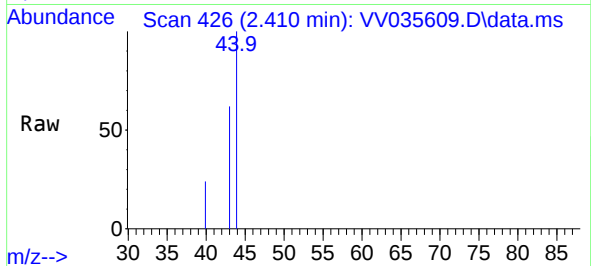
Tgt Ion: 76 Resp: 9762
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9





#15
Methyl Acetate
Concen: 0.187 ug/L m
RT: 2.410 min Scan# 41
Delta R.T. 0.019 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

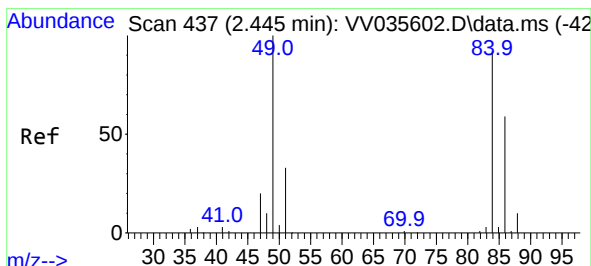
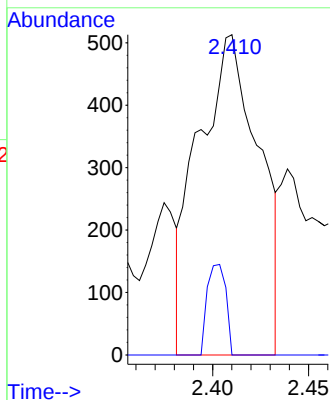
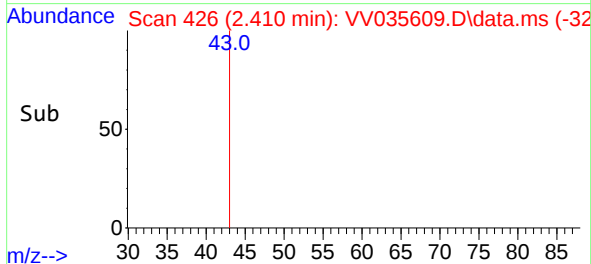
Instrument :
MSVOA_V
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MDL-WATER-QT2-2024-03



Tgt Ion: 43 Resp: 1130
Ion Ratio Lower Upper
43 100
74 0.0 23.2 34.8

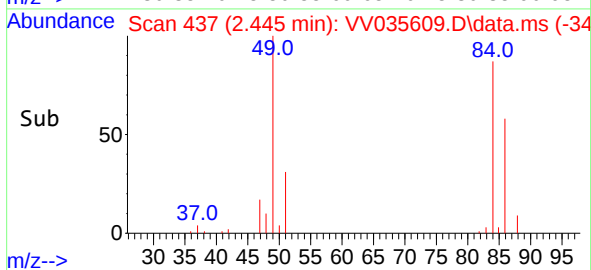
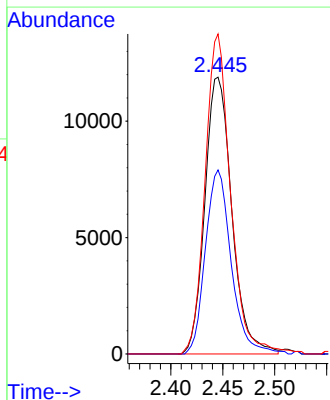
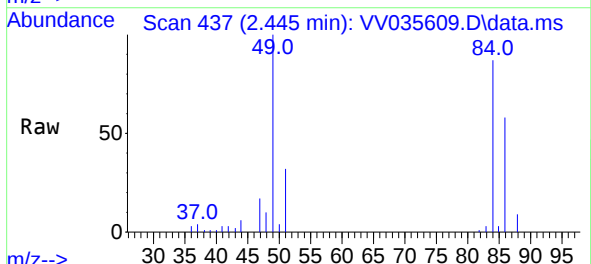
Manual Integrations
APPROVED

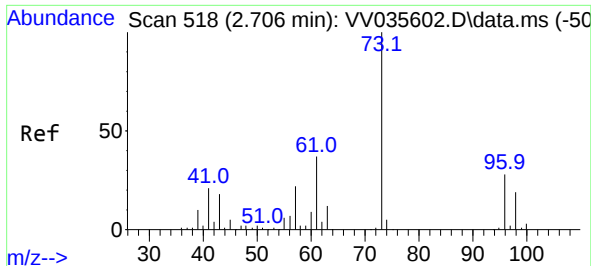
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#16
Methylene chloride
Concen: 0.968 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

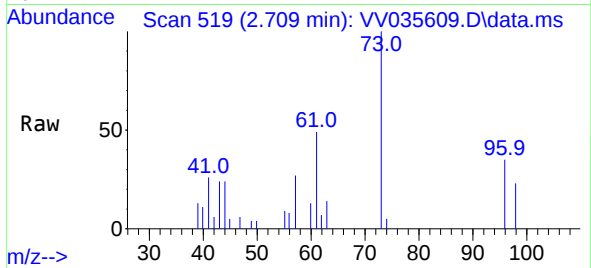
Tgt Ion: 84 Resp: 21516
Ion Ratio Lower Upper
84 100
86 66.5 44.9 83.5
49 115.6 75.8 140.8





#17
Methyl tert-butyl Ether
Concen: 0.193 ug/L
RT: 2.709 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

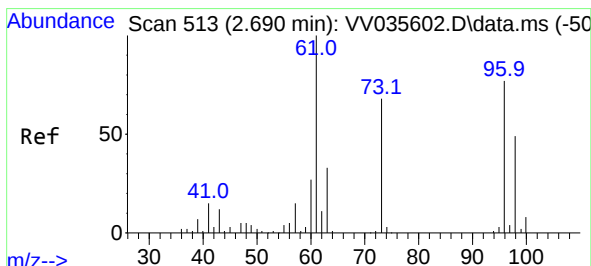
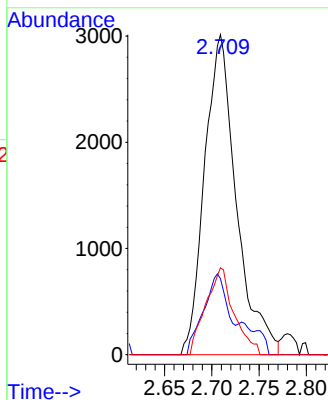
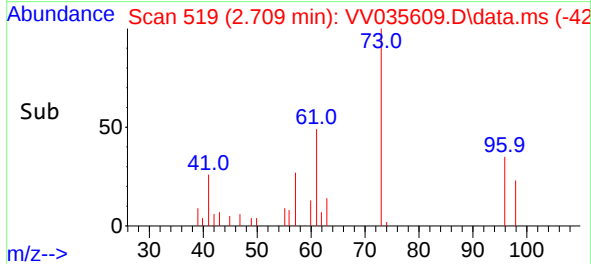
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2024-03



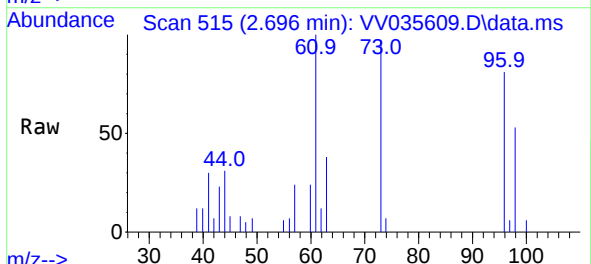
Tgt Ion: 73 Resp: 7038
Ion Ratio Lower Upper
73 100
43 19.5 13.8 20.8
57 24.0 17.7 26.5

Manual Integrations
APPROVED

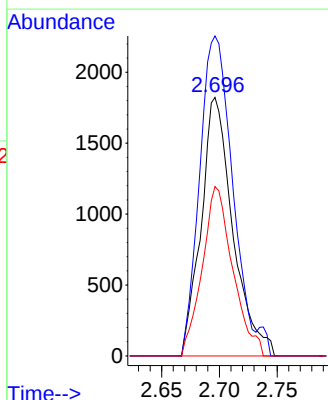
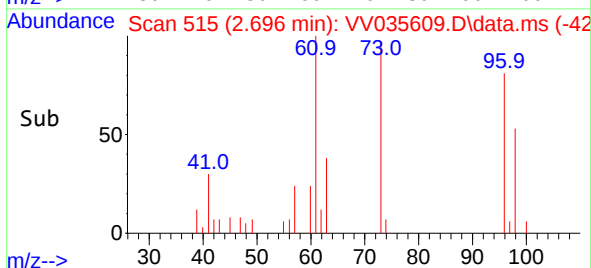
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024

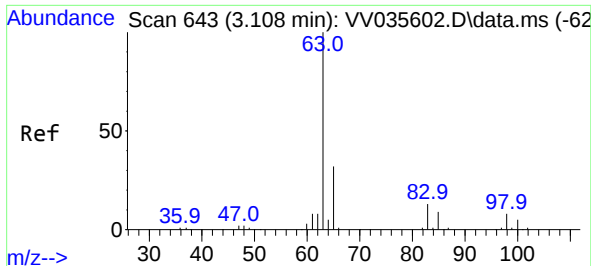


#18
trans-1,2-Dichloroethene
Concen: 0.213 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.006 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57



Tgt Ion: 96 Resp: 3484
Ion Ratio Lower Upper
96 100
61 123.8 91.1 169.3
98 65.6 44.7 83.1





#19

1,1-Dichloroethane

Concen: 0.214 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV035609.D

Acq: 14 May 2024 14:57

Instrument :

MSVOA_V

ClientSampleId :

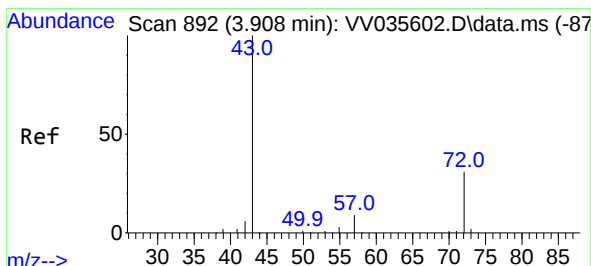
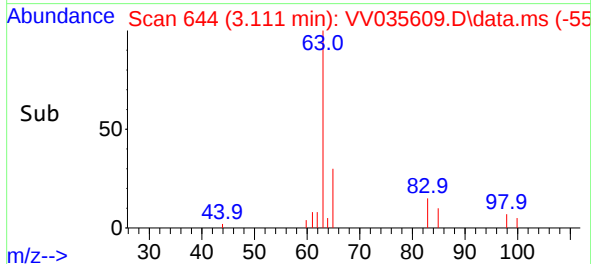
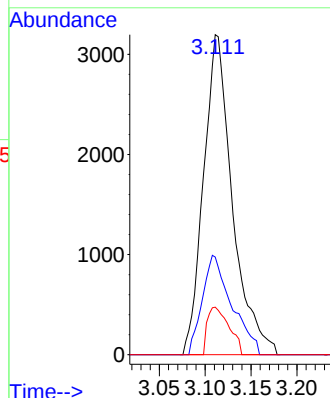
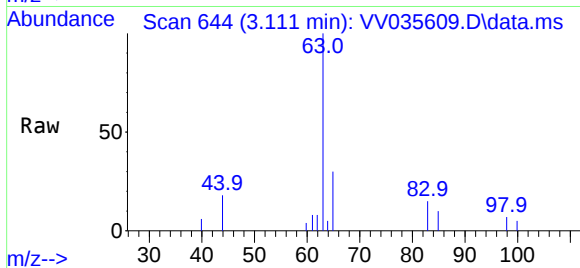
MDL-WATER-QT2-2024-03

Tgt Ion: 63	Resp: 699		
Ion Ratio	Lower	Upper	
63 100			
65 30.5	22.5	41.9	
83 14.8	9.2	17.0	

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#21

2-Butanone

Concen: 2.270 ug/L m

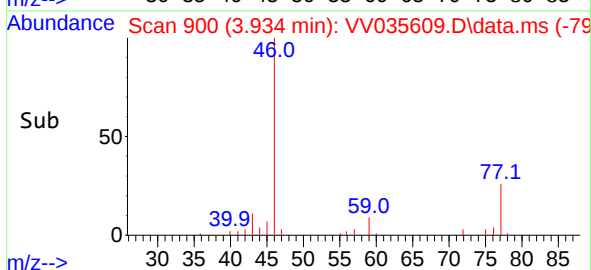
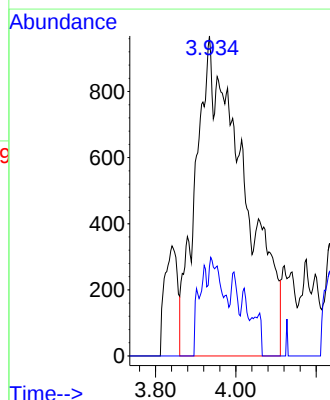
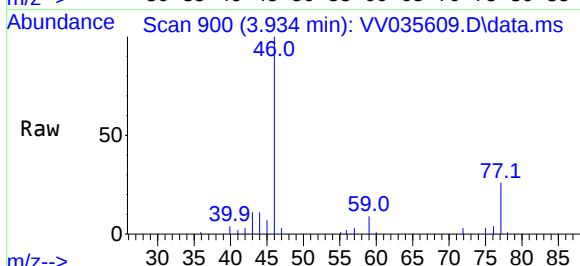
RT: 3.934 min Scan# 900

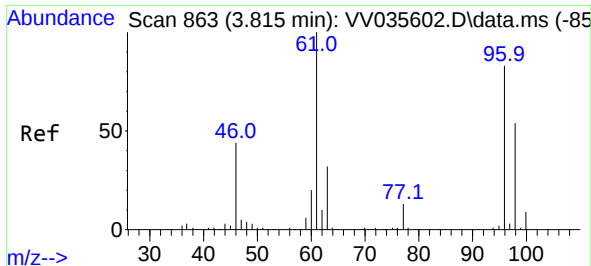
Delta R.T. 0.026 min

Lab File: VV035609.D

Acq: 14 May 2024 14:57

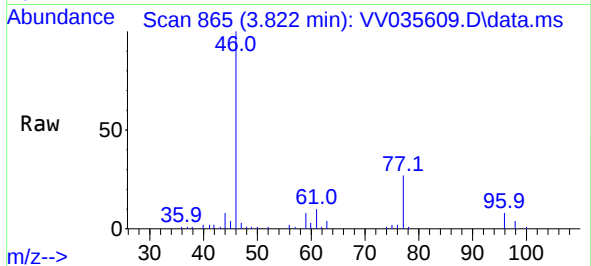
Tgt Ion: 43	Resp: 8033		
Ion Ratio	Lower	Upper	
43 100			
72 0.9	12.0	36.1#	





#22
cis-1,2-Dichloroethene
Concen: 0.194 ug/L
RT: 3.822 min Scan# 801
Delta R.T. 0.006 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

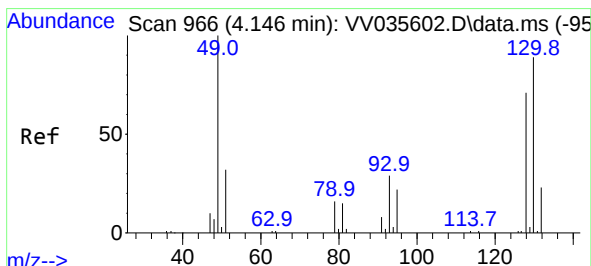
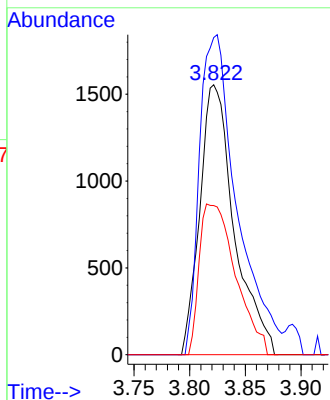
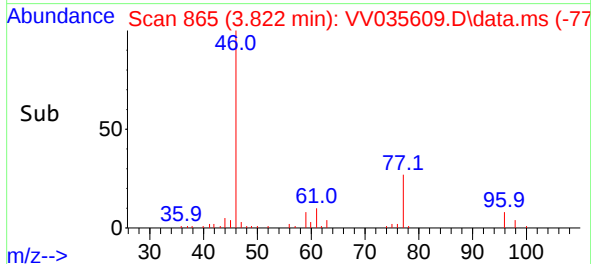
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion: 96 Resp: 3349
Ion Ratio Lower Upper
96 100
61 117.4 84.3 156.5
98 55.2 45.6 84.6

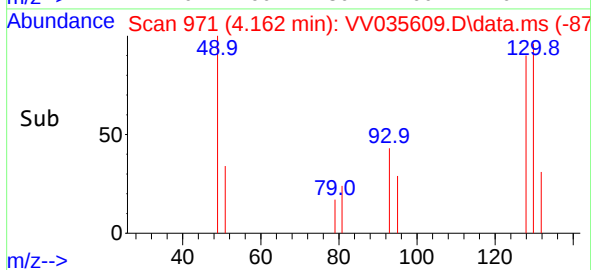
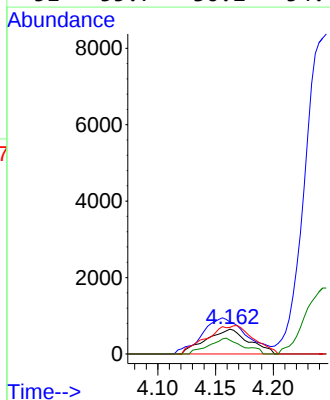
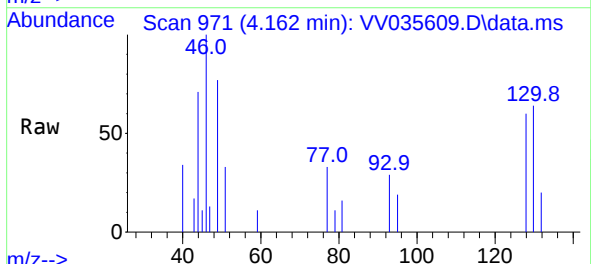
Manual Integrations
APPROVED

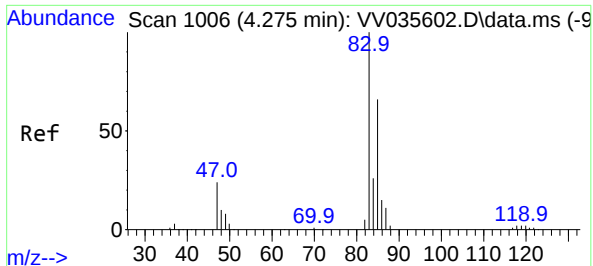
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#23
Bromochloromethane
Concen: 0.199 ug/L
RT: 4.162 min Scan# 971
Delta R.T. 0.016 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

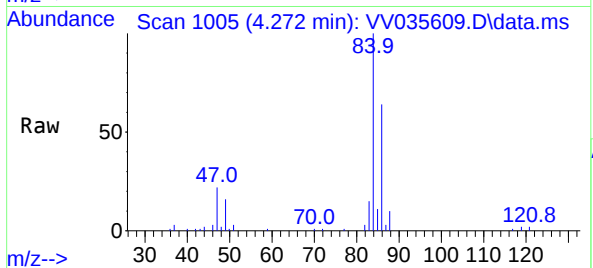
Tgt Ion:128 Resp: 1667
Ion Ratio Lower Upper
128 100
49 129.2 98.6 183.0
130 106.9 87.6 162.8
51 55.7 36.2 54.4#





#25
Chloroform
Concen: 0.273 ug/L
RT: 4.272 min Scan# 1006
Delta R.T. -0.003 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

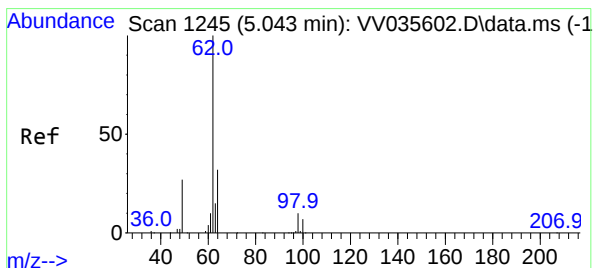
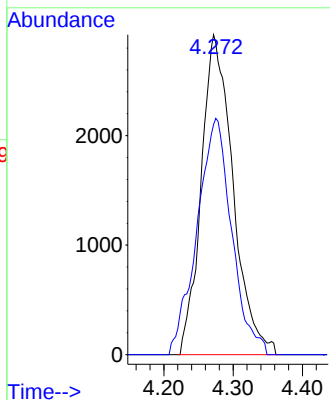
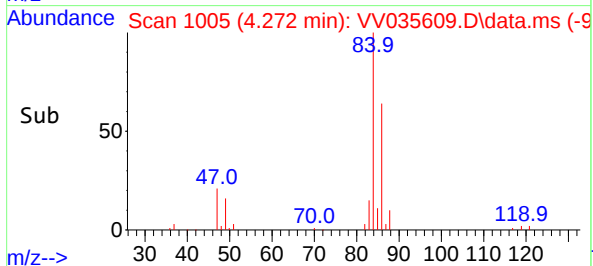
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT2-2024-03



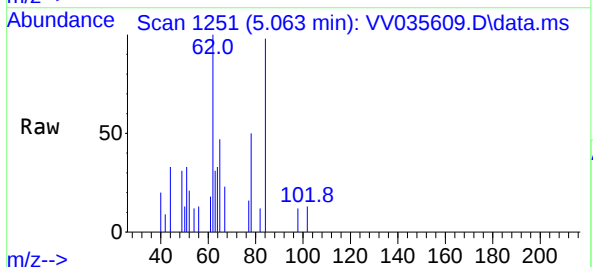
Tgt Ion: 83 Resp: 9314
Ion Ratio Lower Upper
83 100
85 71.9 45.9 85.3

Manual Integrations
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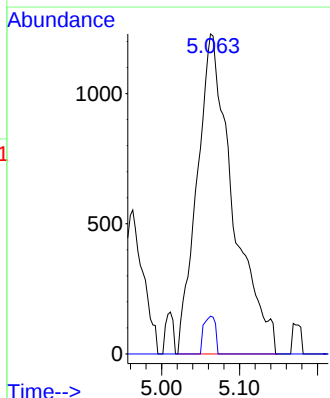
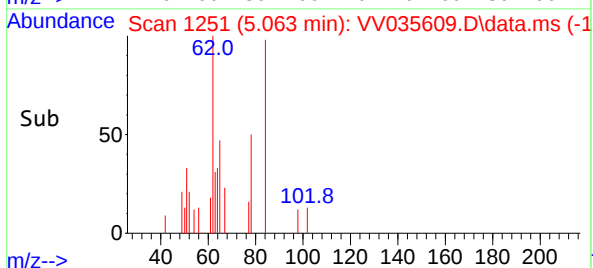
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024

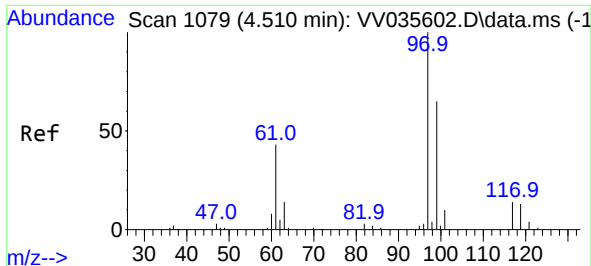


#27
1,2-Dichloroethane
Concen: 0.208 ug/L
RT: 5.063 min Scan# 1251
Delta R.T. 0.019 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57



Tgt Ion: 62 Resp: 3938
Ion Ratio Lower Upper
62 100
98 11.8 8.2 12.4





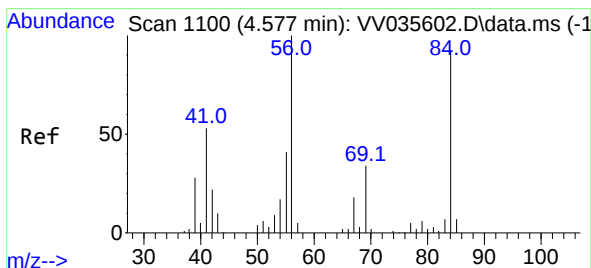
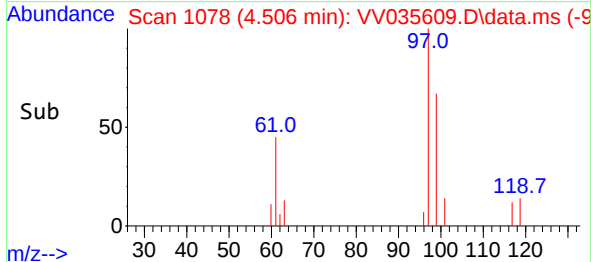
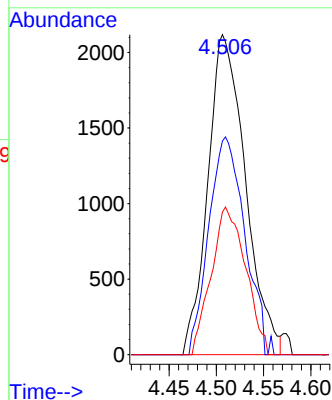
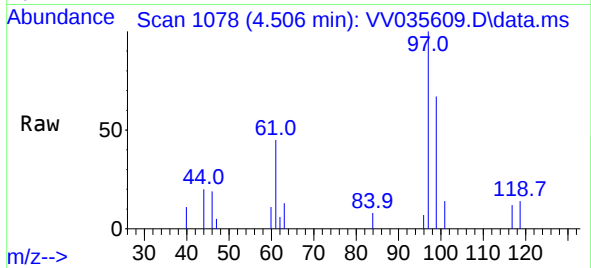
#29
1,1,1-Trichloroethane
Concen: 0.206 ug/L
RT: 4.506 min Scan# 1078
Delta R.T. -0.003 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

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

Tgt Ion: 97 Resp: 5849
Ion Ratio Lower Upper
97 100
99 64.8 52.4 78.6
61 42.3 33.9 50.9

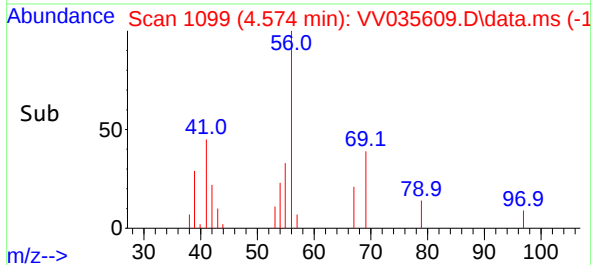
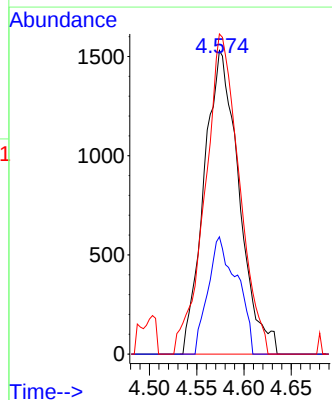
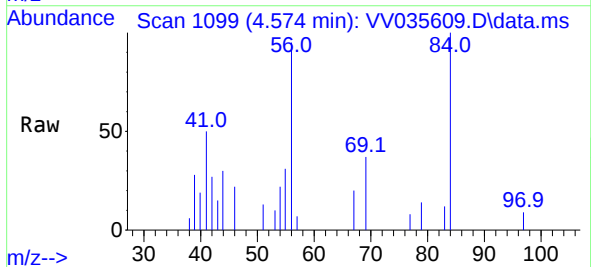
Manual Integrations
APPROVED

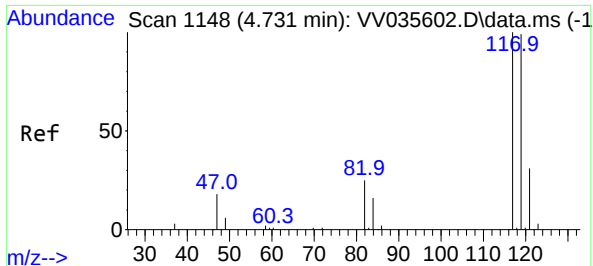
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#30
Cyclohexane
Concen: 0.191 ug/L
RT: 4.574 min Scan# 1099
Delta R.T. -0.003 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

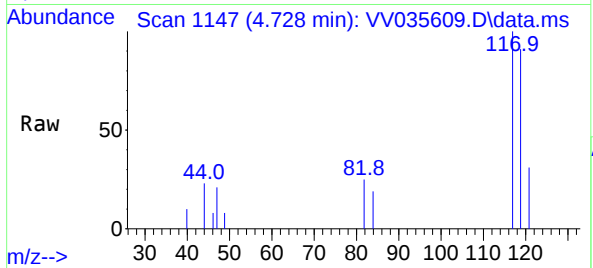
Tgt Ion: 56 Resp: 3924
Ion Ratio Lower Upper
56 100
69 31.9 26.4 39.6
84 103.2 75.0 112.6





#31
Carbon tetrachloride
Concen: 0.200 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. -0.003 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

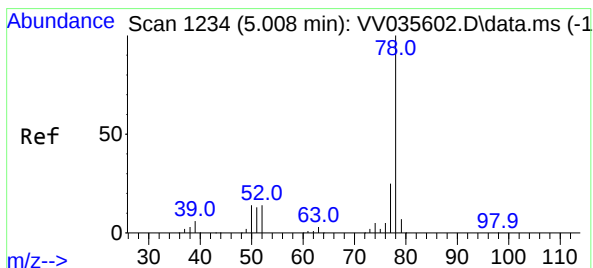
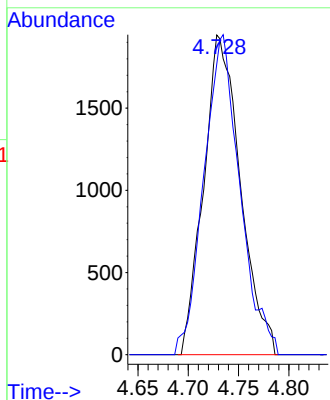
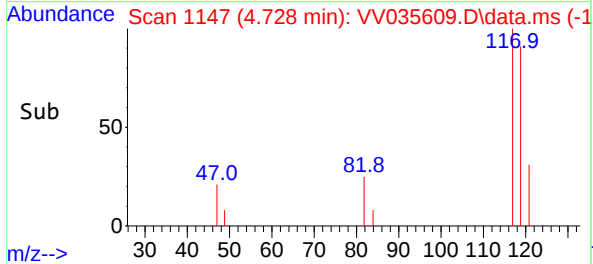
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion:117 Resp: 4944
Ion Ratio Lower Upper
117 100
119 97.8 77.2 115.8

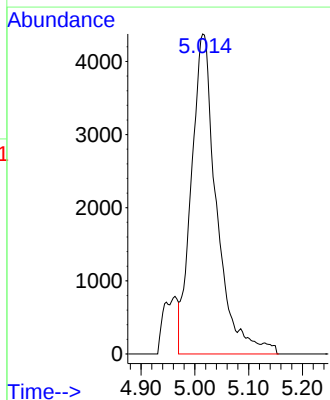
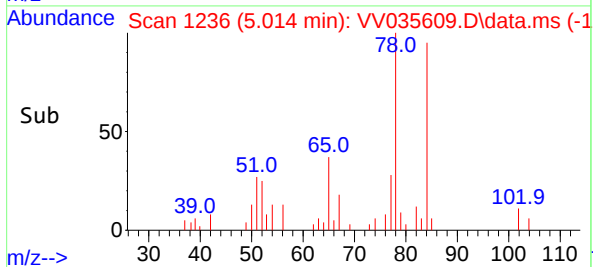
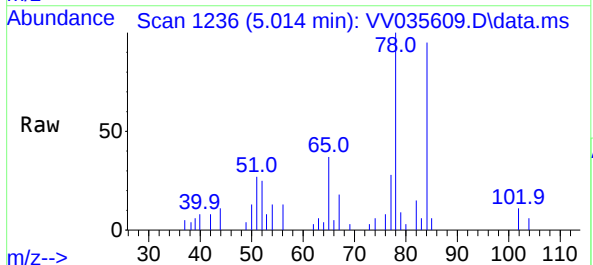
Manual Integrations
APPROVED

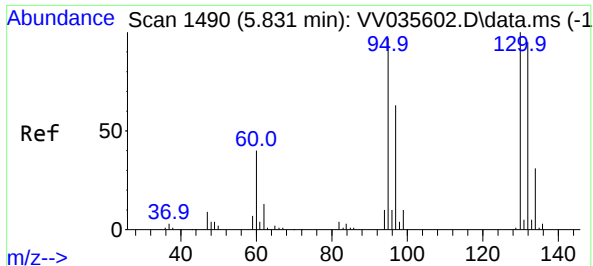
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#33
Benzene
Concen: 0.221 ug/L m
RT: 5.014 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

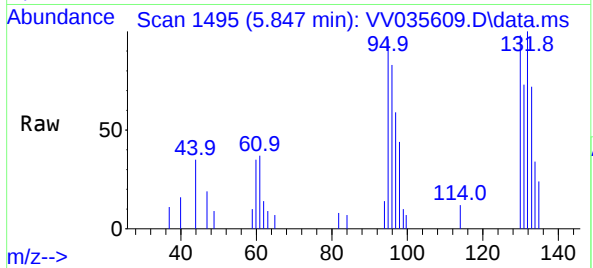
Tgt Ion: 78 Resp: 14235





#34
Trichloroethene
Concen: 0.206 ug/L
RT: 5.847 min Scan# 1495
Delta R.T. 0.016 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

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

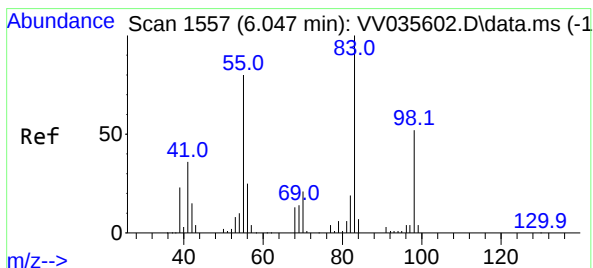
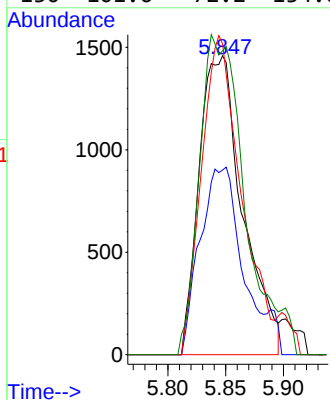
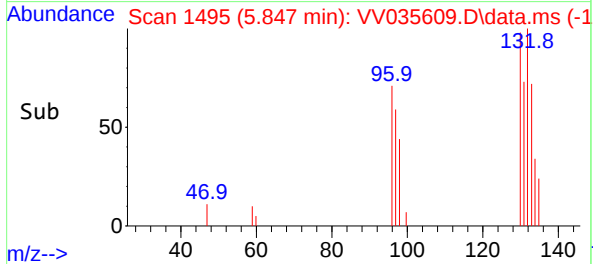


Tgt Ion: 95 Resp: 381

Ion	Ratio	Lower	Upper
95	100		
97	61.8	45.2	84.0
132	104.0	68.7	127.7
130	101.6	72.2	134.0

Manual Integrations
APPROVED

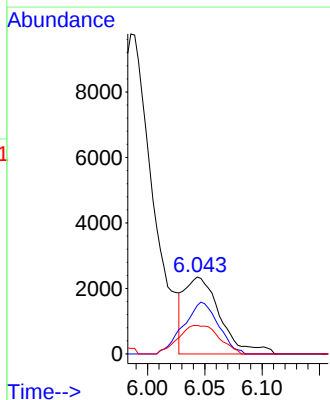
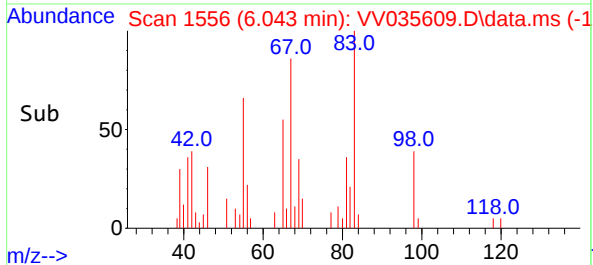
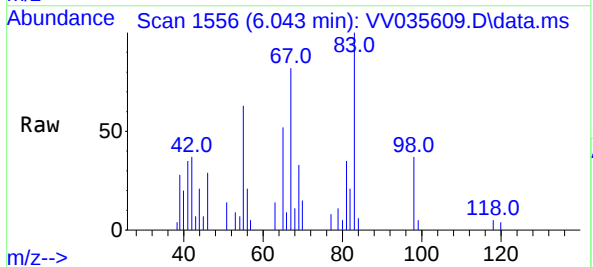
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024

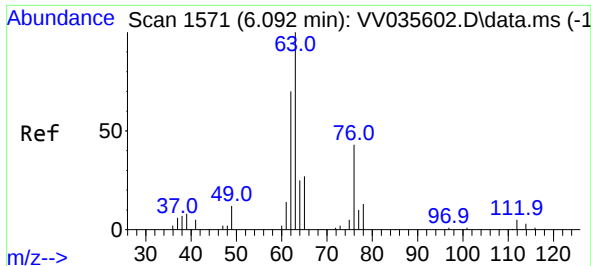


#35
Methylcyclohexane
Concen: 0.214 ug/L m
RT: 6.043 min Scan# 1556
Delta R.T. -0.003 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

Tgt Ion: 83 Resp: 5114

Ion	Ratio	Lower	Upper
83	100		
55	65.4	60.7	91.1
98	42.0	38.4	57.6





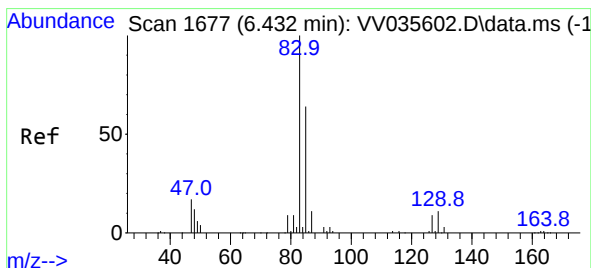
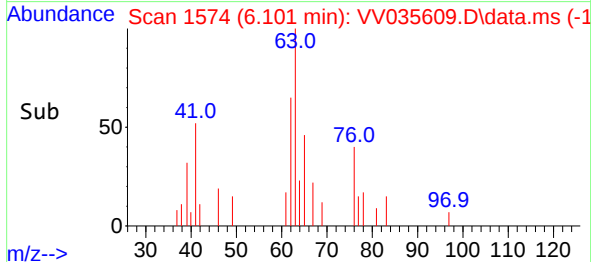
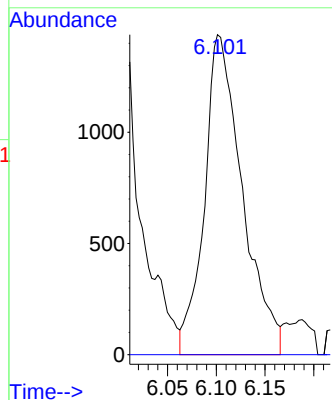
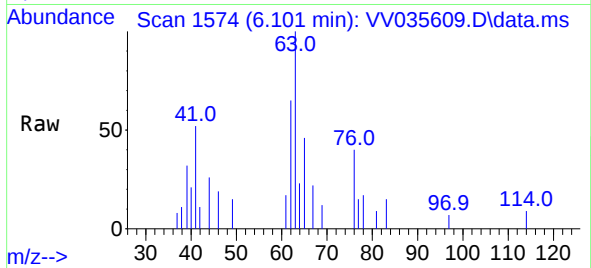
#37
1,2-Dichloropropane
Concen: 0.225 ug/L
RT: 6.101 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

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

Tgt Ion: 63 Resp: 389
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9

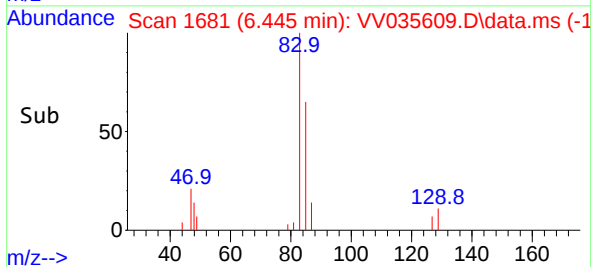
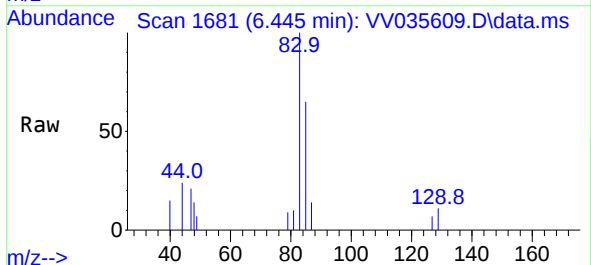
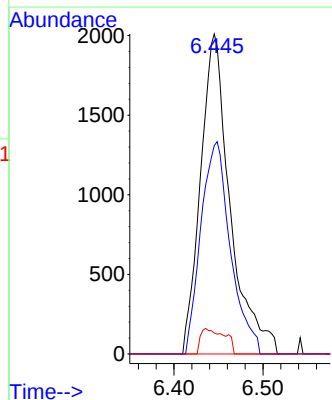
Manual Integrations
APPROVED

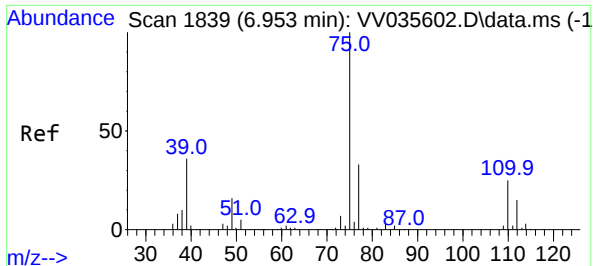
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#38
Bromodichloromethane
Concen: 0.199 ug/L
RT: 6.445 min Scan# 1681
Delta R.T. 0.013 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

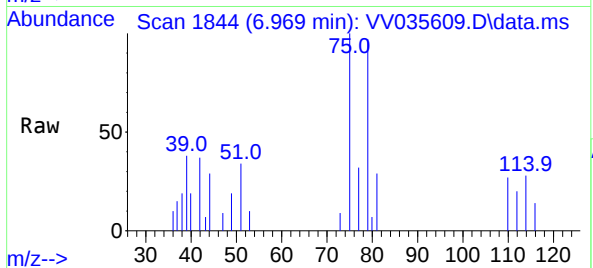
Tgt Ion: 83 Resp: 4645
Ion Ratio Lower Upper
83 100
85 65.2 44.6 82.8
127 6.6 7.2 10.8





#39
cis-1,3-Dichloropropene
Concen: 0.205 ug/L m
RT: 6.969 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

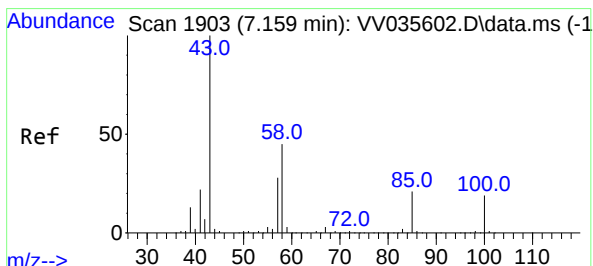
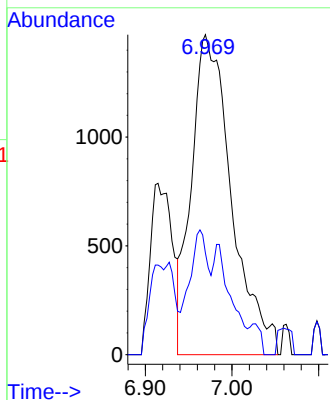
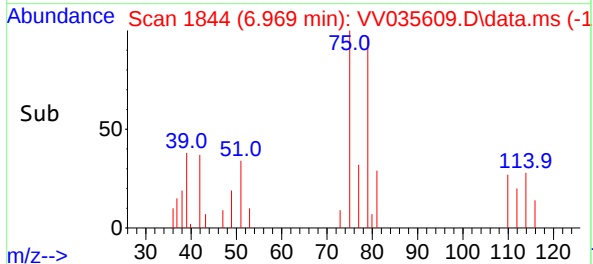
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2024-03



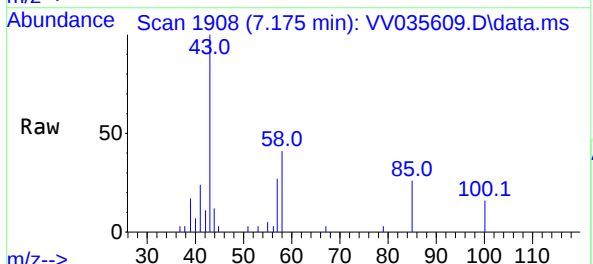
Tgt Ion: 75 Resp: 473
Ion Ratio Lower Upper
75 100
77 31.8 23.0 42.8

Manual Integrations
APPROVED

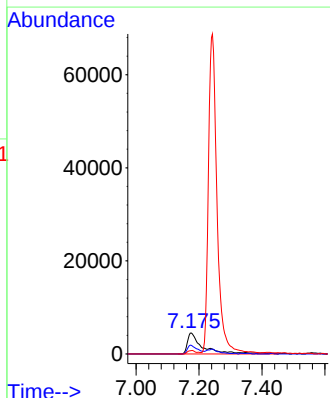
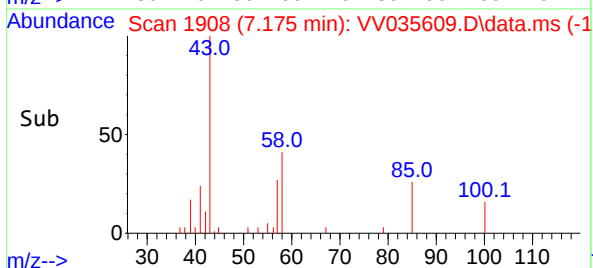
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024

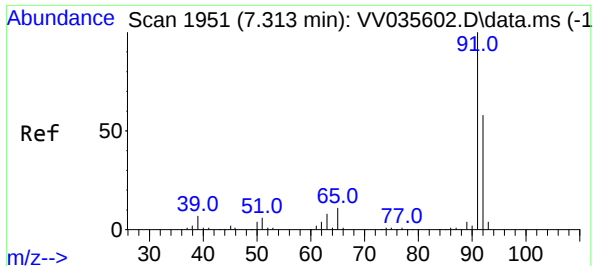


#40
4-Methyl-2-pentanone
Concen: 1.891 ug/L m
RT: 7.175 min Scan# 1908
Delta R.T. 0.016 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57



Tgt Ion: 43 Resp: 15539
Ion Ratio Lower Upper
43 100
58 27.4 35.8 53.6#
100 0.0 14.1 21.1#





#42

Toluene

Concen: 0.195 ug/L

RT: 7.326 min Scan# 1951

Delta R.T. 0.013 min

Lab File: VV035609.D

Acq: 14 May 2024 14:57

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT2-2024-03

Tgt Ion: 91 Resp: 13090

Ion Ratio Lower Upper

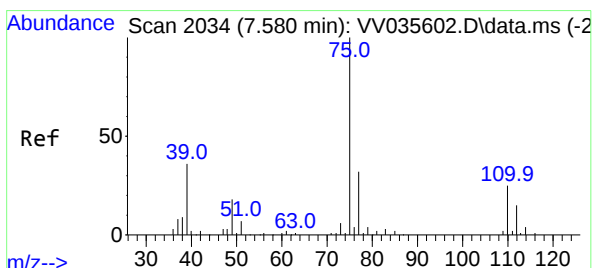
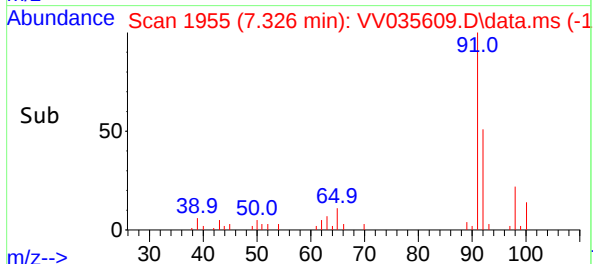
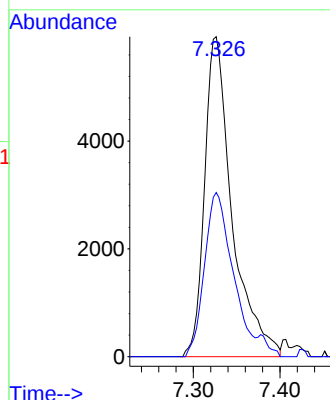
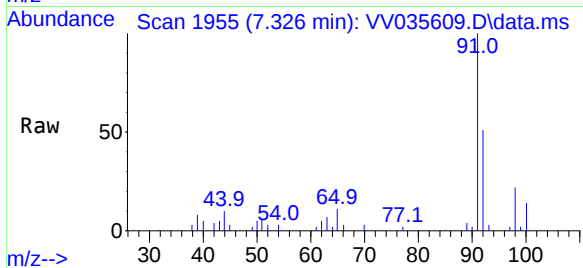
91 100

92 51.3 40.4 75.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#44

trans-1,3-Dichloropropene

Concen: 0.199 ug/L

RT: 7.603 min Scan# 2041

Delta R.T. 0.023 min

Lab File: VV035609.D

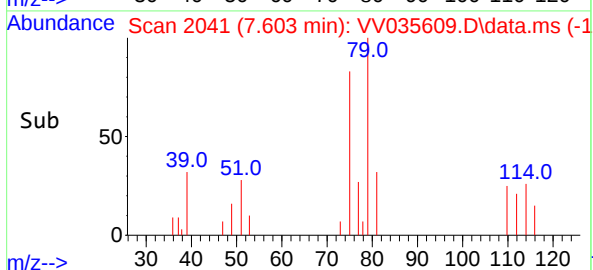
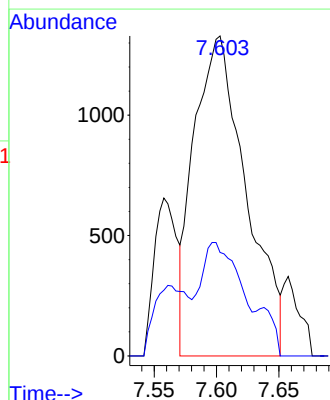
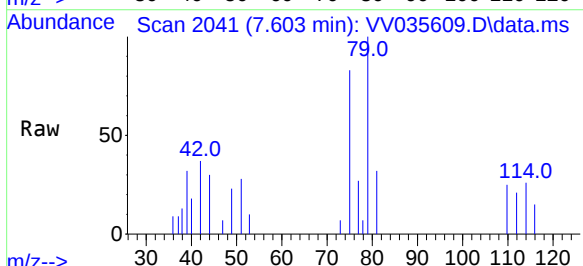
Acq: 14 May 2024 14:57

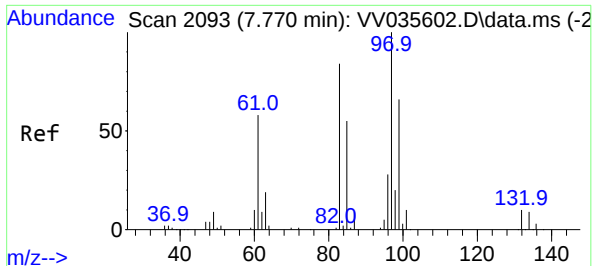
Tgt Ion: 75 Resp: 3867

Ion Ratio Lower Upper

75 100

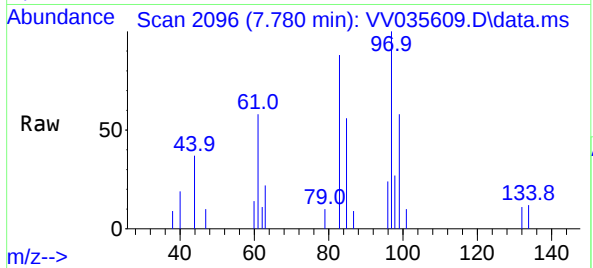
77 32.4 22.4 41.6





#45
1,1,2-Trichloroethane
Concen: 0.194 ug/L
RT: 7.780 min Scan# 2093
Delta R.T. 0.010 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

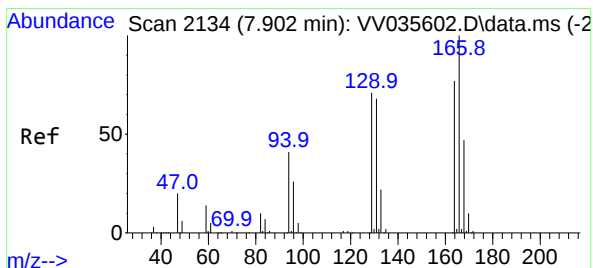
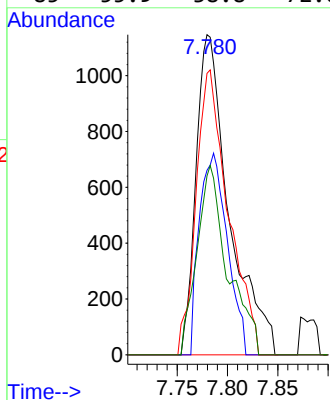
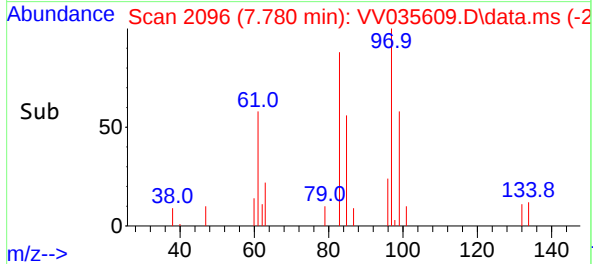
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2024-03



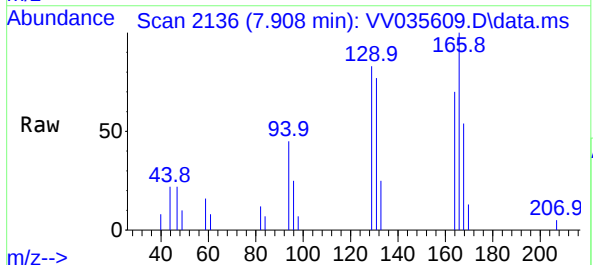
Tgt Ion:	97	Resp:	263
Ion	Ratio	Lower	Upper
97	100		
99	57.6	46.1	85.5
83	87.9	59.0	109.6
85	55.9	38.8	72.0

Manual Integrations
APPROVED

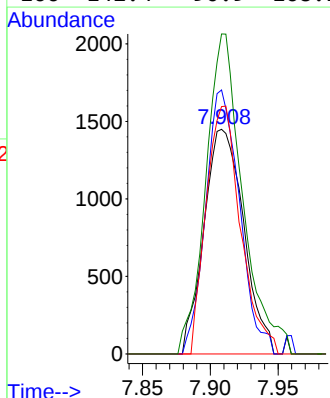
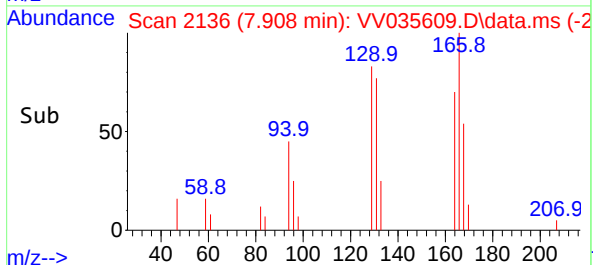
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024

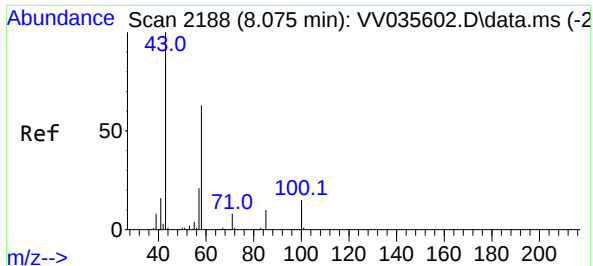


#47
Tetrachloroethene
Concen: 0.202 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.006 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57



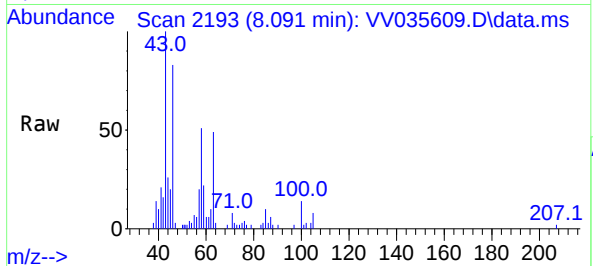
Tgt Ion:	164	Resp:	2952
Ion	Ratio	Lower	Upper
164	100		
129	117.5	64.9	120.5
131	110.1	61.8	114.8
166	142.4	90.9	168.9





#48
2-Hexanone
Concen: 3.021 ug/L
RT: 8.091 min Scan# 2188
Delta R.T. 0.016 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

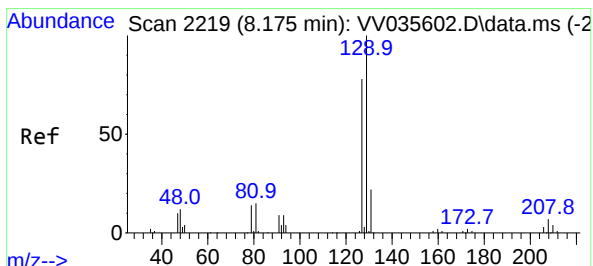
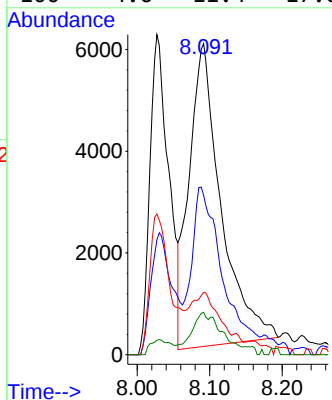
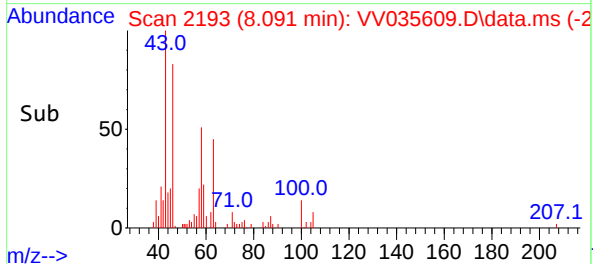
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT2-2024-03



Tgt Ion: 43 Resp: 1825
Ion Ratio Lower Upper
43 100
58 45.6 49.1 73.7
57 12.7 16.8 25.2
100 4.6 11.4 17.0

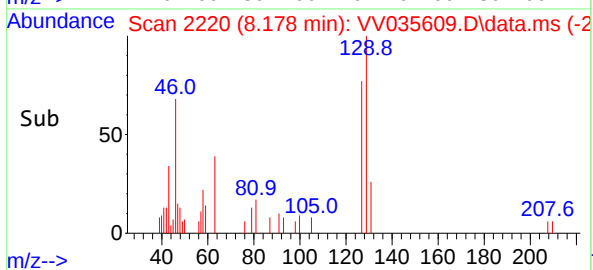
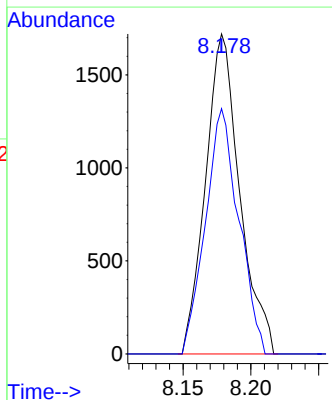
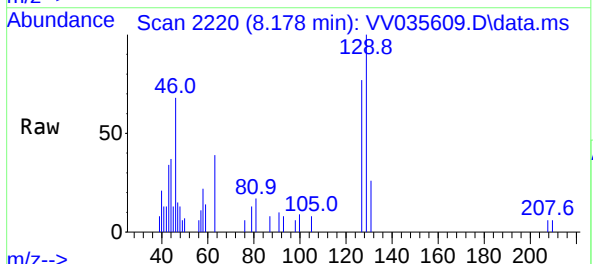
Manual Integrations
APPROVED

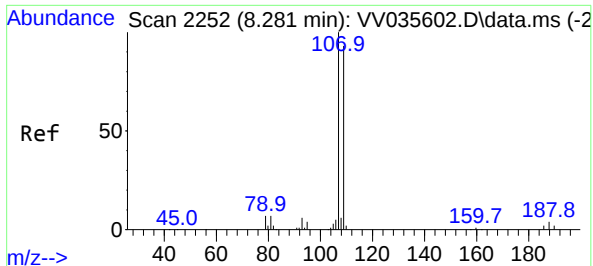
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#49
Dibromochloromethane
Concen: 0.202 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

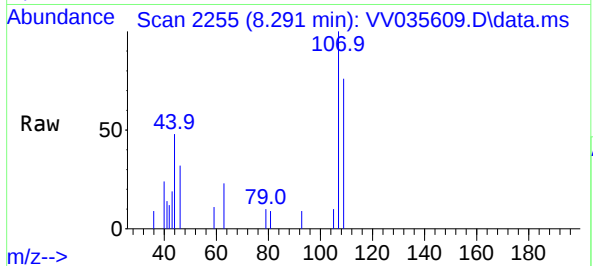
Tgt Ion:129 Resp: 3018
Ion Ratio Lower Upper
129 100
127 76.6 54.3 100.8





#50
1,2-Dibromoethane
Concen: 0.196 ug/L
RT: 8.291 min Scan# 2470
Delta R.T. 0.010 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

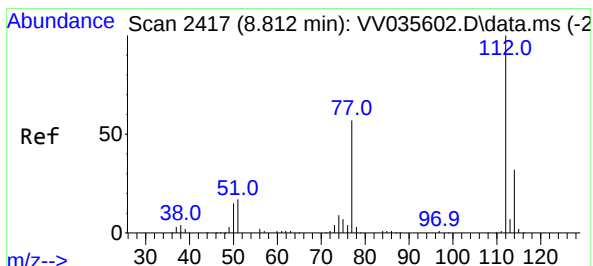
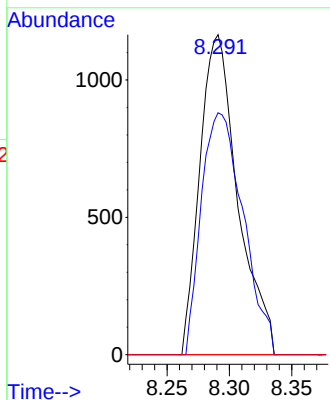
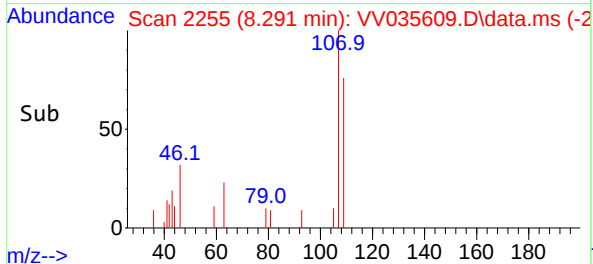
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT2-2024-03



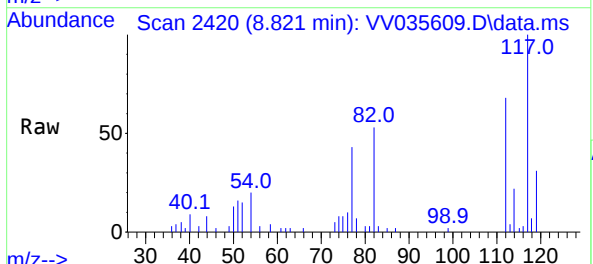
Tgt Ion:107 Resp: 2470
Ion Ratio Lower Upper
107 100
109 75.6 65.2 121.0
188 0.0 3.1 4.7

Manual Integrations
APPROVED

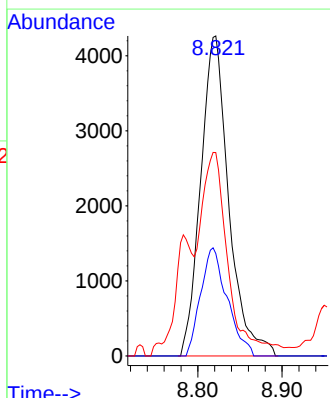
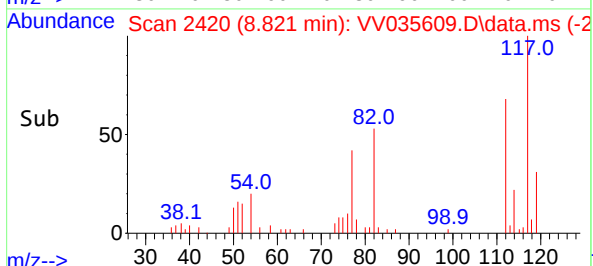
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024

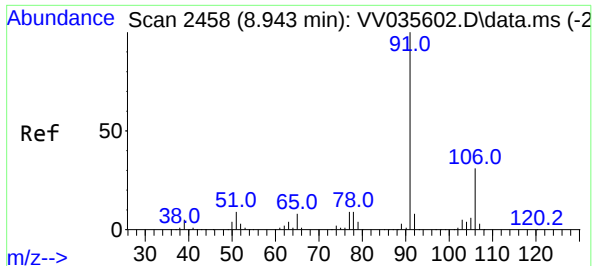


#51
Chlorobenzene
Concen: 0.212 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. 0.010 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57



Tgt Ion:112 Resp: 9884
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 63.5 45.6 68.4





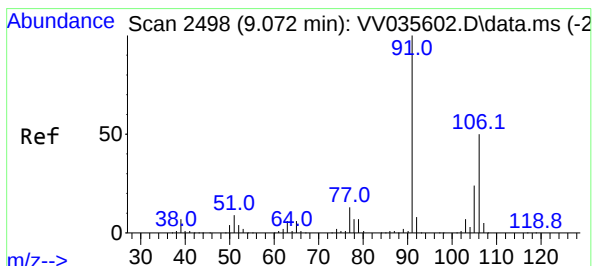
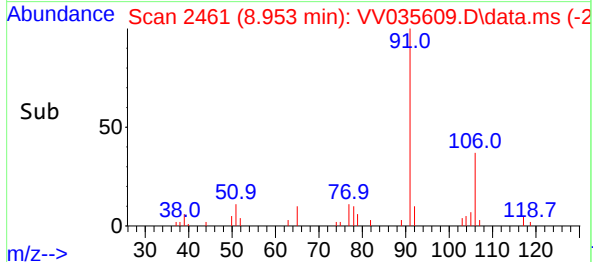
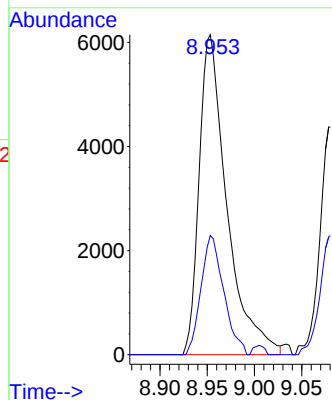
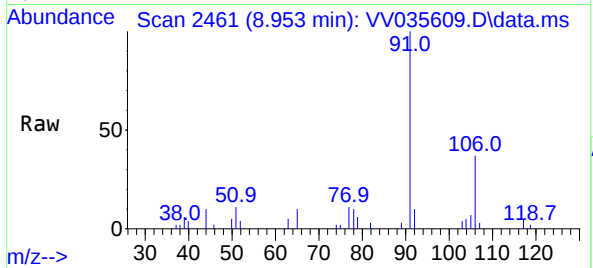
#52
Ethylbenzene
Concen: 0.178 ug/L
RT: 8.953 min Scan# 2458
Delta R.T. 0.010 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

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

Tgt Ion: 91 Resp: 1251
Ion Ratio Lower Upper
91 100
106 37.3 21.5 39.9

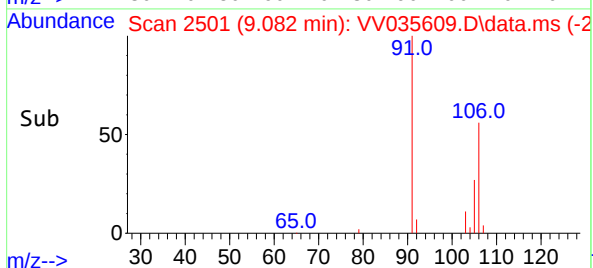
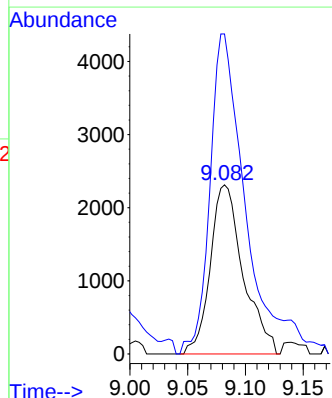
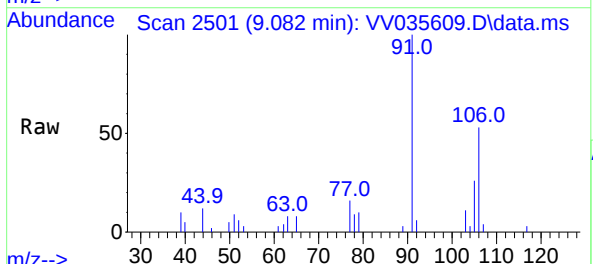
Manual Integrations
APPROVED

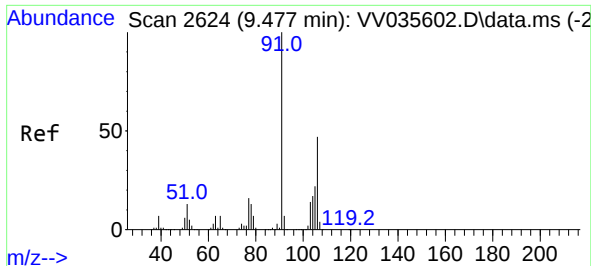
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#53
m,p-Xylene
Concen: 0.172 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.010 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

Tgt Ion:106 Resp: 4587
Ion Ratio Lower Upper
106 100
91 189.1 141.3 262.3





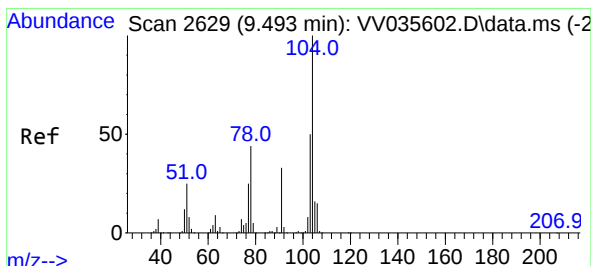
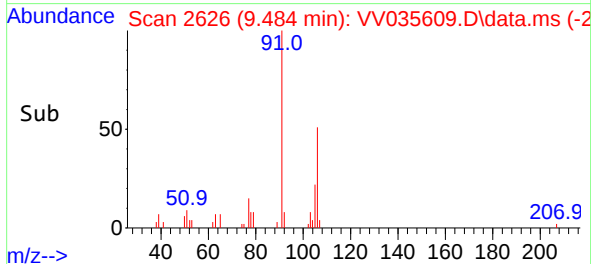
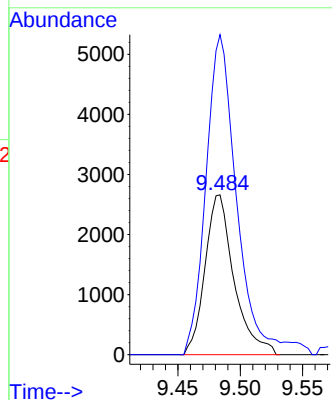
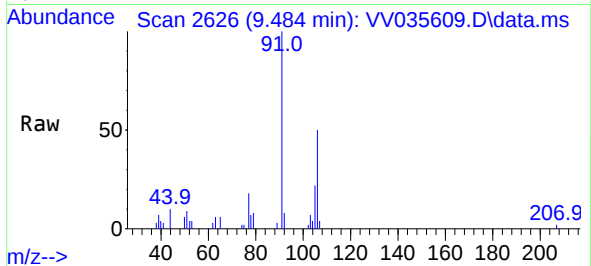
#54
o-Xylene
Concen: 0.170 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.006 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

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

Tgt Ion:106 Resp: 431
Ion Ratio Lower Upper
106 100
91 200.2 148.6 276.0

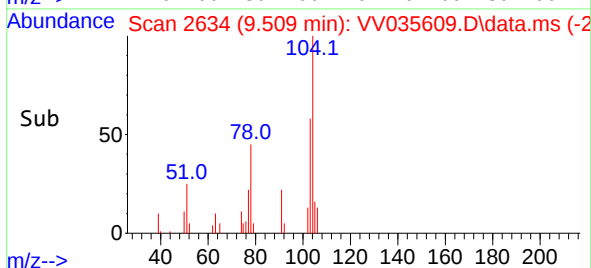
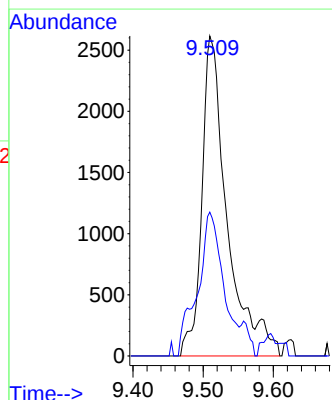
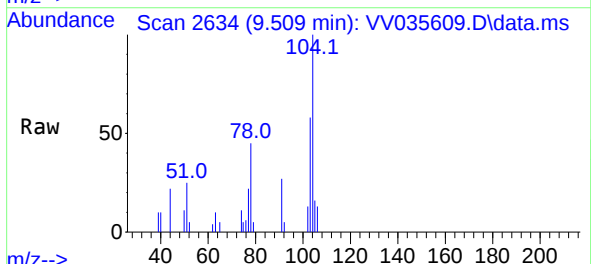
Manual Integrations
APPROVED

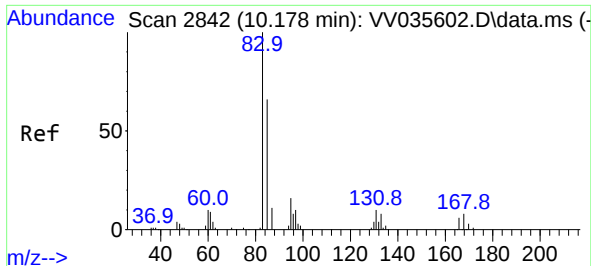
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#55
Styrene
Concen: 0.149 ug/L m
RT: 9.509 min Scan# 2634
Delta R.T. 0.016 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

Tgt Ion:104 Resp: 6571
Ion Ratio Lower Upper
104 100
78 45.0 30.6 56.8





#57

1,1,2,2-Tetrachloroethane

Concen: 0.207 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VV035609.D

Acq: 14 May 2024 14:57

Instrument :

MSVOA_V

ClientSampleId :

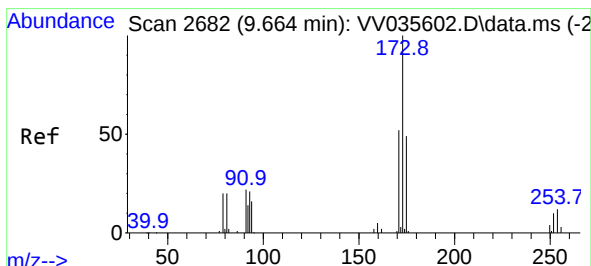
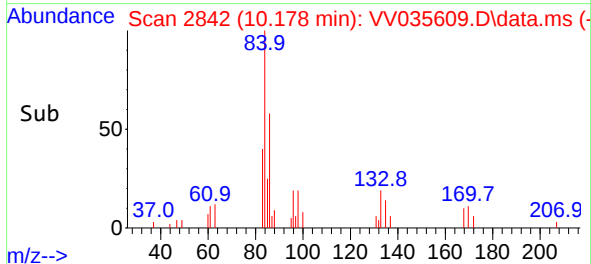
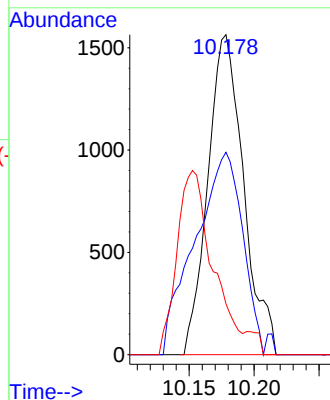
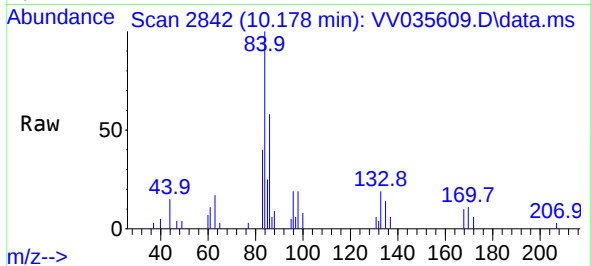
MDL-WATER-QT2-2024-03

Tgt Ion:	83	Resp:	299
Ion	Ratio	Lower	Upper
83	100		
85	63.2	46.1	85.7
131	15.9	8.2	12.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#59

Bromoform

Concen: 0.203 ug/L

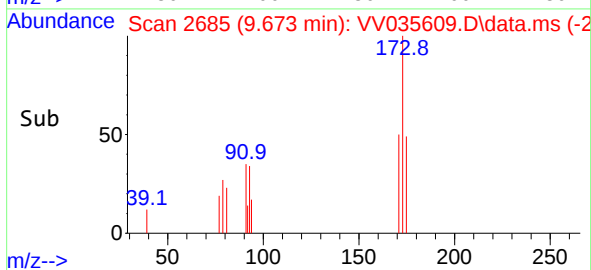
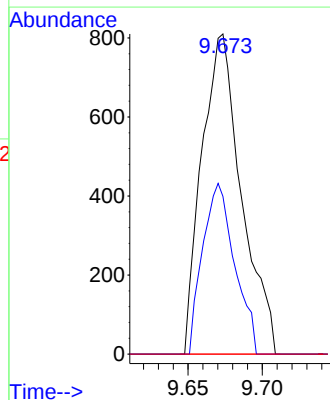
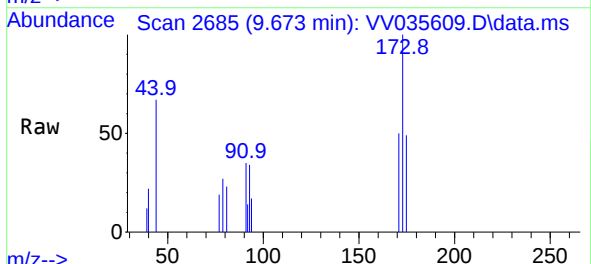
RT: 9.673 min Scan# 2685

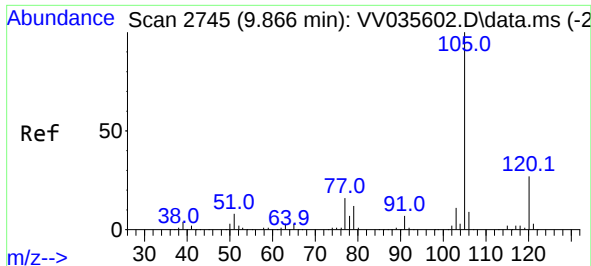
Delta R.T. 0.010 min

Lab File: VV035609.D

Acq: 14 May 2024 14:57

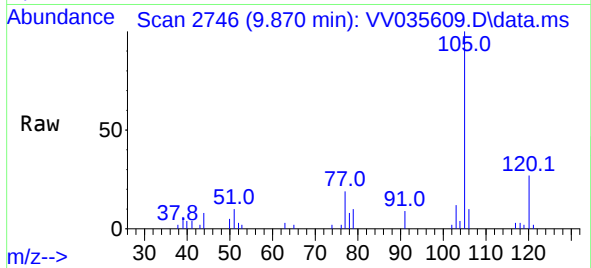
Tgt Ion:	173	Resp:	1503
Ion	Ratio	Lower	Upper
173	100		
175	43.1	38.0	57.0
254	0.0	8.6	13.0





#60
Isopropylbenzene
Concen: 0.187 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

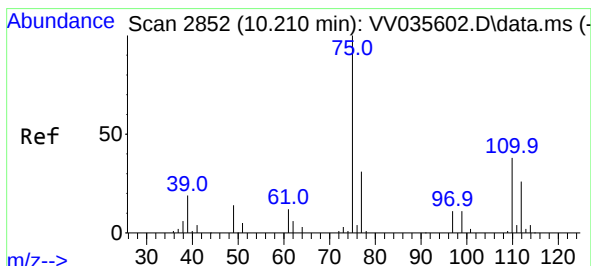
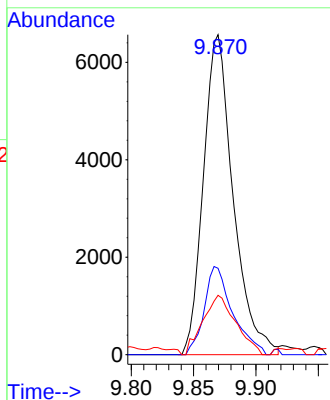
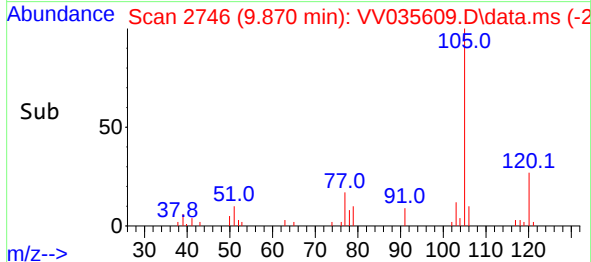
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2024-03



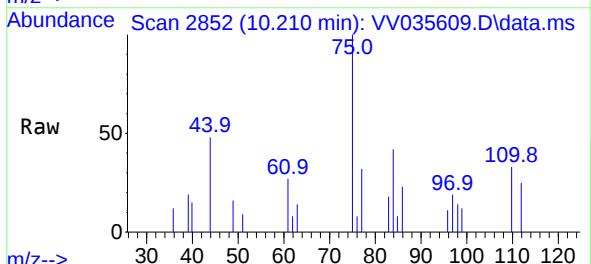
Tgt Ion:105 Resp: 10930
Ion Ratio Lower Upper
105 100
120 26.3 21.4 32.2
77 20.4 12.5 18.7

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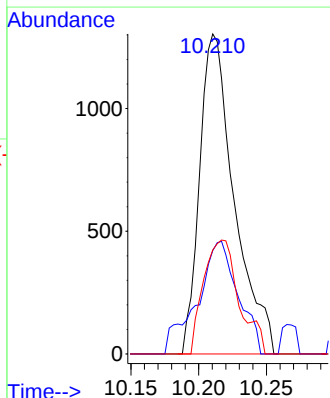
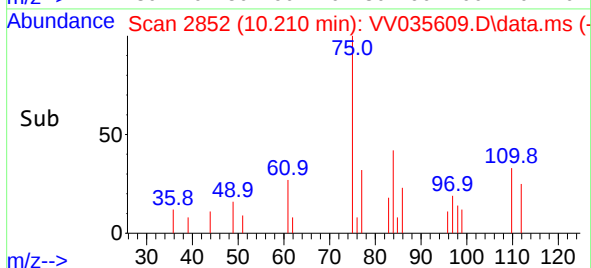
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024

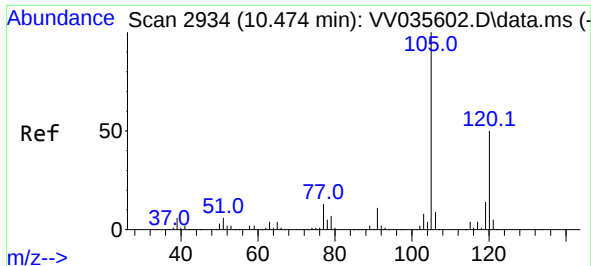


#61
1,2,3-Trichloropropane
Concen: 0.241 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57



Tgt Ion: 75 Resp: 2316
Ion Ratio Lower Upper
75 100
77 41.7 24.2 36.2#
110 36.5 31.1 46.7





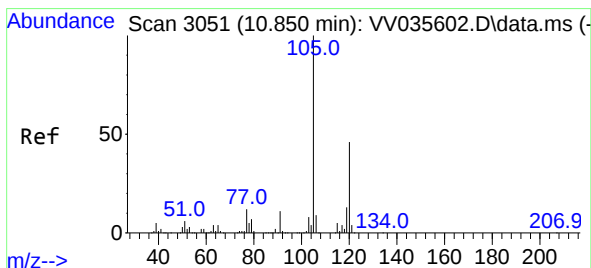
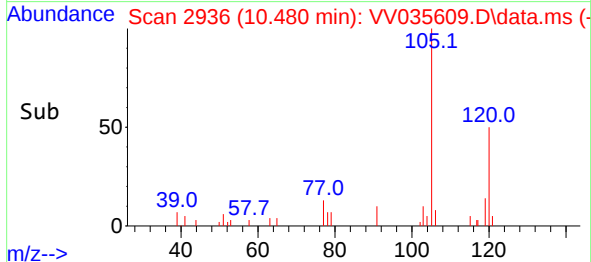
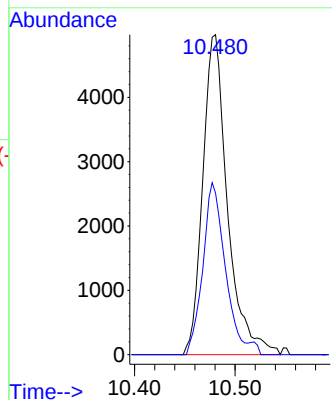
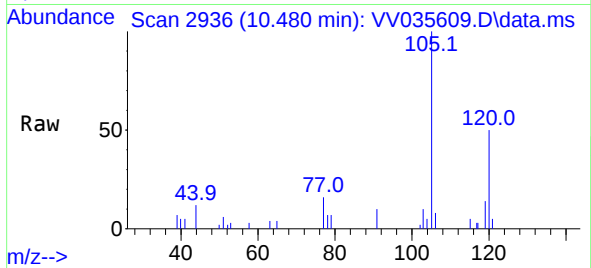
#62
1,3,5-Trimethylbenzene
Concen: 0.185 ug/L
RT: 10.480 min Scan# 2934
Delta R.T. 0.006 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

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

Tgt Ion:105 Resp: 849
Ion Ratio Lower Upper
105 100
120 48.2 39.9 59.9

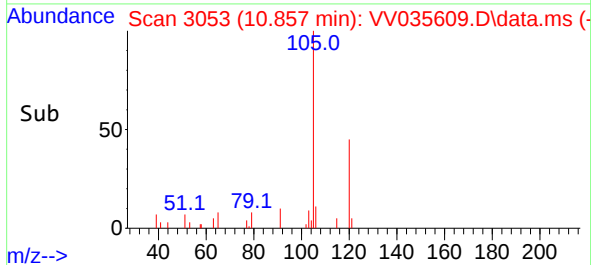
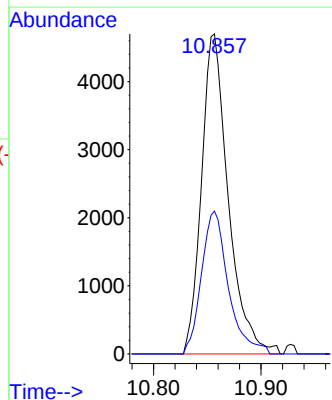
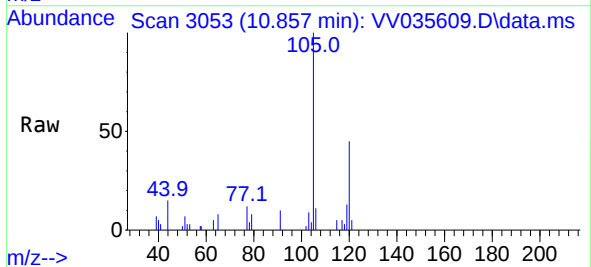
Manual Integrations
APPROVED

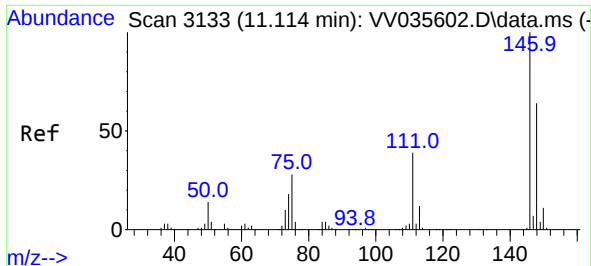
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#63
1,2,4-Trimethylbenzene
Concen: 0.179 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. 0.006 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

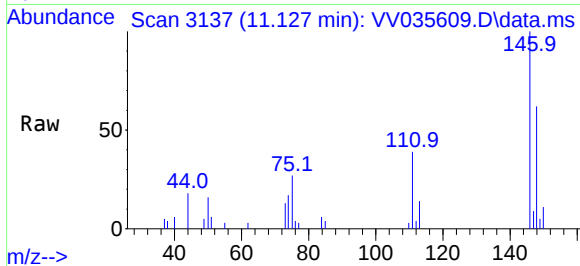
Tgt Ion:105 Resp: 8136
Ion Ratio Lower Upper
105 100
120 44.9 36.8 55.2





#64
1,3-Dichlorobenzene
Concen: 0.229 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.013 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

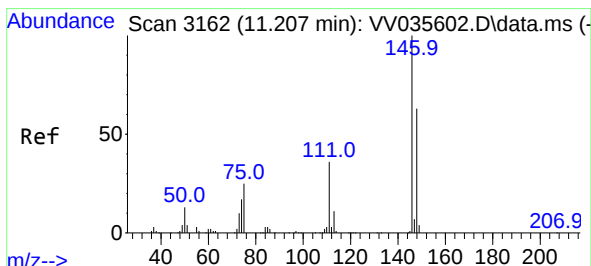
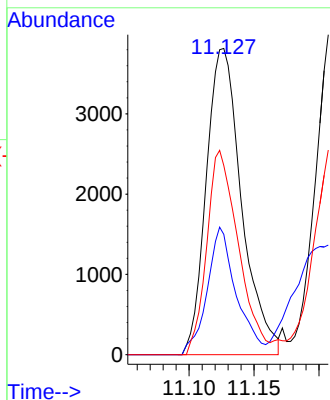
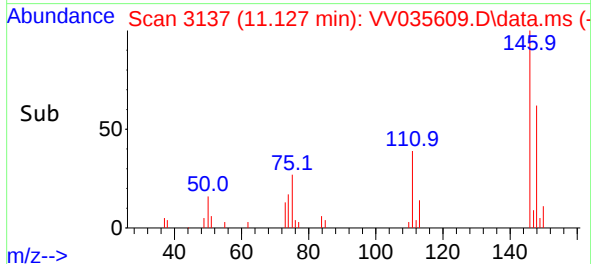
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2024-03



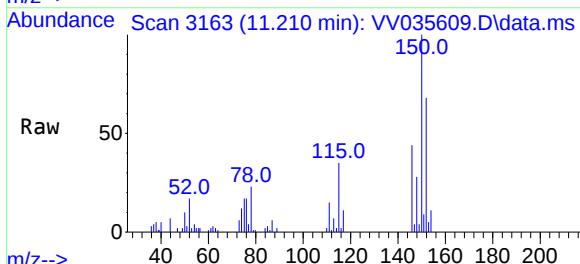
Tgt Ion:146 Resp: 7210
Ion Ratio Lower Upper
146 100
111 39.3 27.6 51.2
148 61.8 44.7 83.1

Manual Integrations
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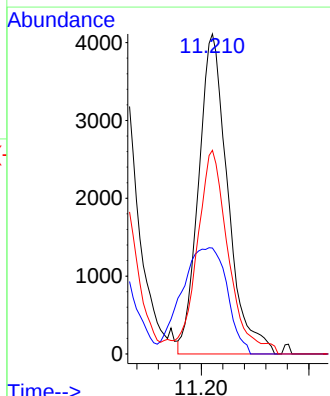
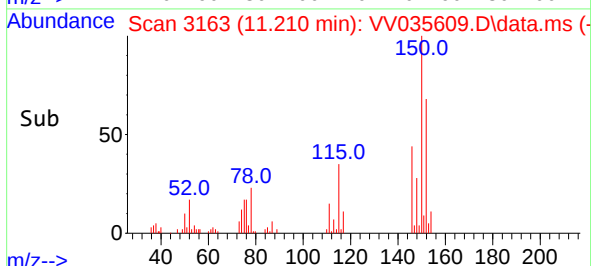
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024

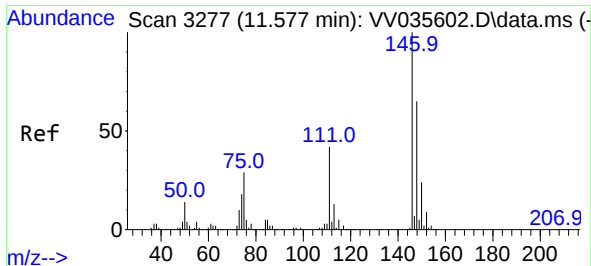


#65
1,4-Dichlorobenzene
Concen: 0.239 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57



Tgt Ion:146 Resp: 7744
Ion Ratio Lower Upper
146 100
111 33.1 25.8 47.8
148 63.7 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 0.238 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV035609.D

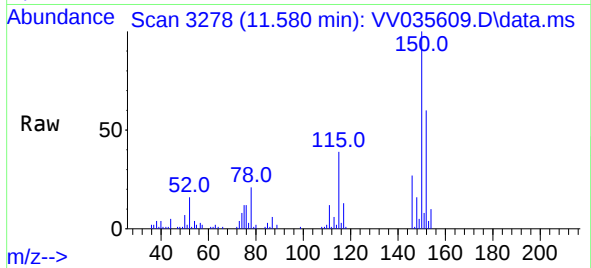
Acq: 14 May 2024 14:57

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT2-2024-03

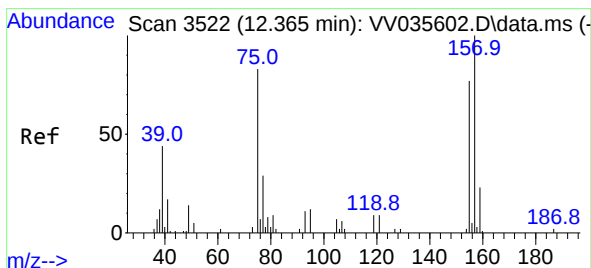
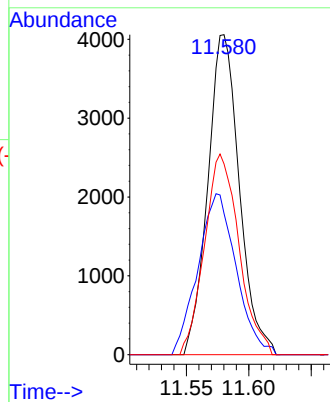
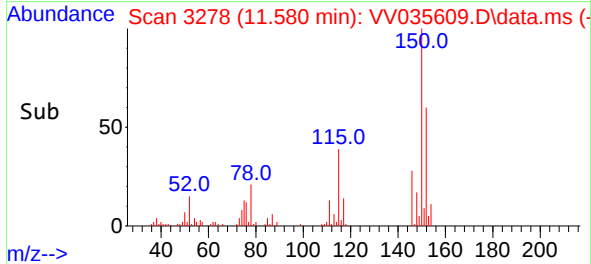


Tgt Ion:	146	Resp:	715
Ion Ratio	Lower	Upper	
146	100		
111	44.1	33.5	50.3
148	59.6	51.9	77.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#68

1,2-Dibromo-3-chloropropane

Concen: 0.242 ug/L

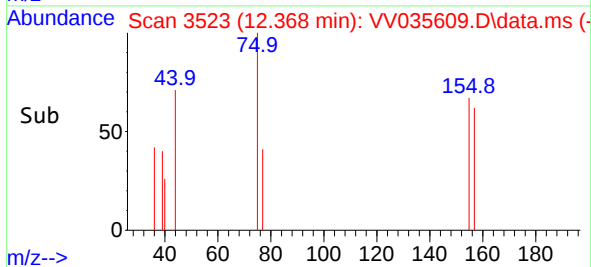
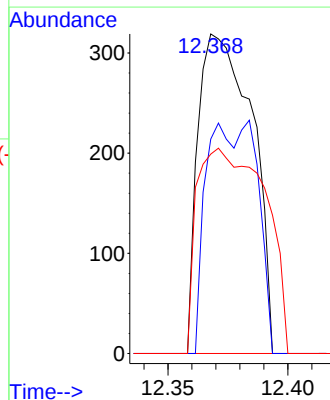
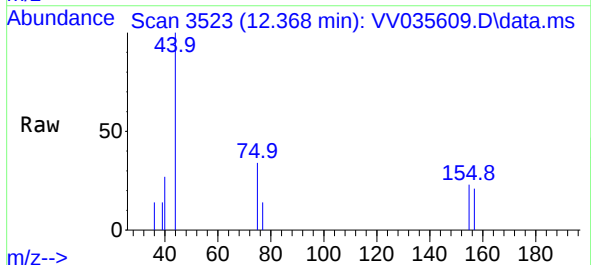
RT: 12.368 min Scan# 3523

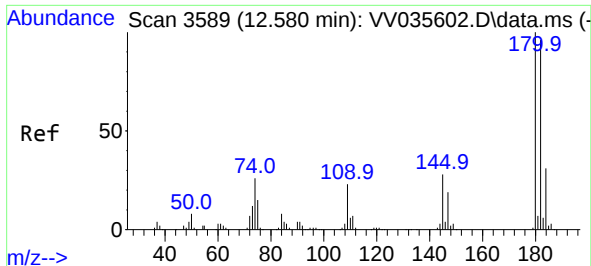
Delta R.T. 0.003 min

Lab File: VV035609.D

Acq: 14 May 2024 14:57

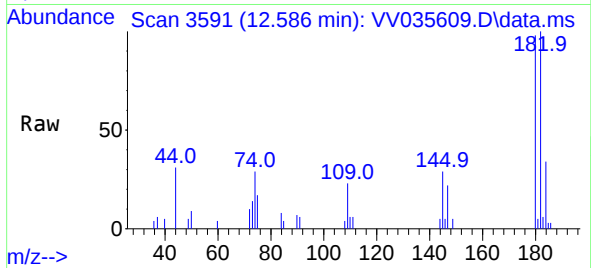
Tgt Ion:	75	Resp:	496
Ion Ratio	Lower	Upper	
75	100		
155	67.1	73.4	110.0#
157	62.4	95.8	143.8#





#69
1,3,5-Trichlorobenzene
Concen: 0.228 ug/L
RT: 12.586 min Scan# 3591
Delta R.T. 0.006 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

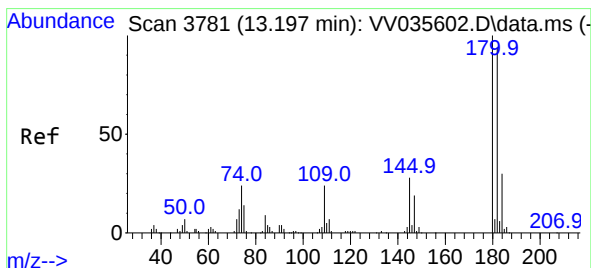
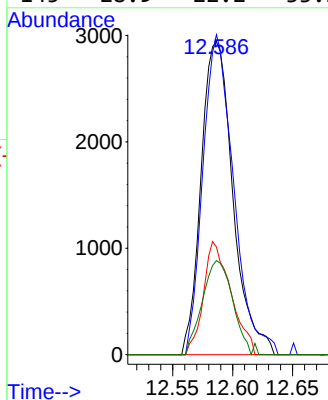
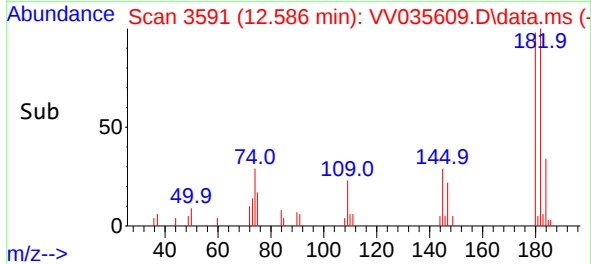
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2024-03



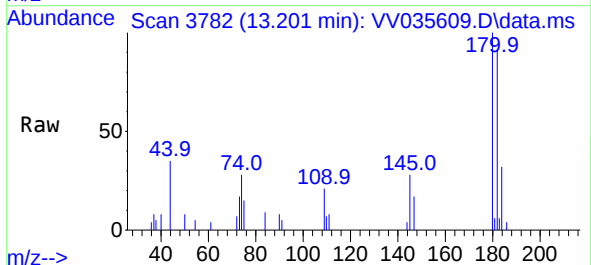
Tgt Ion:180	Resp:	5429
Ion Ratio	Lower	Upper
180	100	
182	98.6	75.9 113.9
184	31.3	24.0 36.0
145	28.9	22.2 33.2

Manual Integrations
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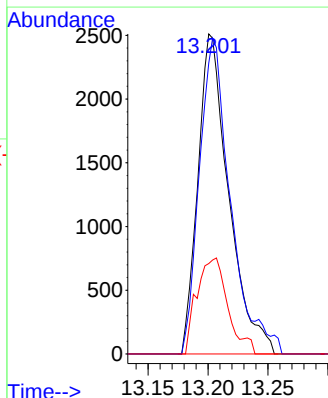
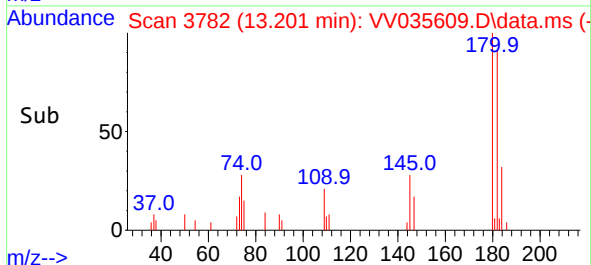
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024

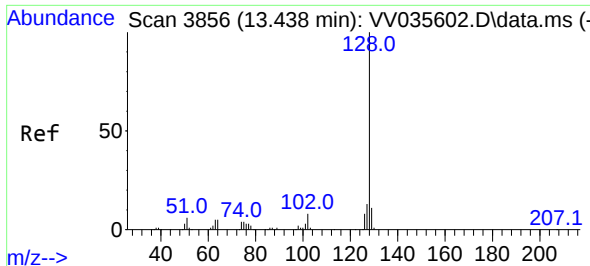


#70
1,2,4-trichlorobenzene
Concen: 0.238 ug/L
RT: 13.201 min Scan# 3782
Delta R.T. 0.003 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57



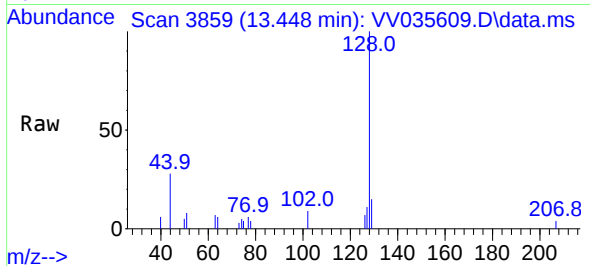
Tgt Ion:180	Resp:	4484
Ion Ratio	Lower	Upper
180	100	
182	100.0	76.5 114.7
145	30.2	22.9 34.3





#71
Naphthalene
Concen: 0.227 ug/L
RT: 13.448 min Scan# 3856
Delta R.T. 0.010 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57

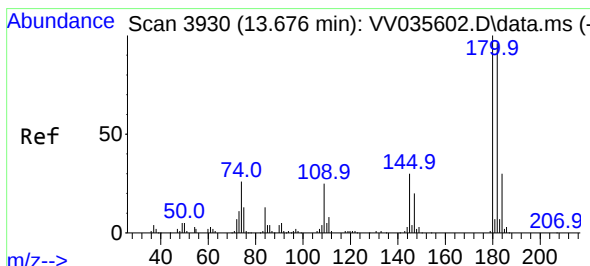
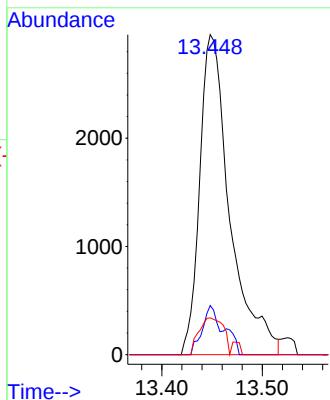
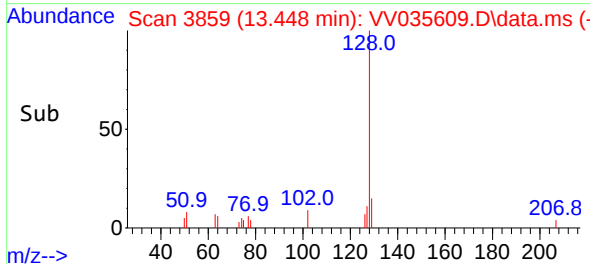
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2024-03



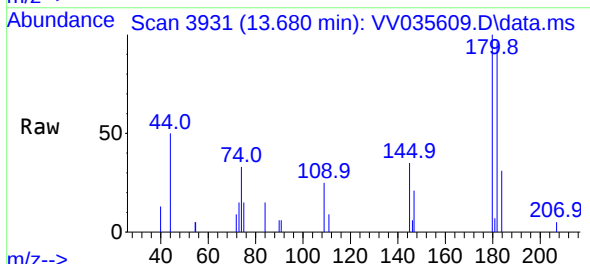
Tgt Ion:128 Resp: 6150
Ion Ratio Lower Upper
128 100
129 8.3 8.6 12.8
127 9.3 10.7 16.1

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#72
1,2,3-Trichlorobenzene
Concen: 0.221 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.003 min
Lab File: VV035609.D
Acq: 14 May 2024 14:57



Tgt Ion:180 Resp: 3856
Ion Ratio Lower Upper
180 100
182 101.5 76.6 114.8
145 30.3 25.1 37.7

