

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112124\
 Data File : VU061913.D
 Acq On : 21 Nov 2024 12:49
 Operator : MD/SY
 Sample : P4776-01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Nov 21 23:16:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR112024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 21 23:06:37 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024
 Supervised By :Semsettin Yesilyurt 11/25/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	184458	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	160231	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	69612	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	36985	4.088	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	81.800%		
7) Chloroethane-d5	1.907	69	34225	4.276	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	85.600%		
11) 1,1-Dichloroethene-d2	2.560	65	16423	4.543	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	90.800%		
20) 2-Butanone-d5	4.618	46	128457	45.211	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	90.420%		
24) Chloroform-d	5.052	84	94907	4.300	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	86.000%		
26) 1,2-Dichloroethane-d4	5.692	65	51963	4.574	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	91.400%		
32) Benzene-d6	5.718	84	163063	5.223	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	104.400%		
36) 1,2-Dichloropropane-d6	6.682	67	69380	6.540	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	130.800%		
41) Toluene-d8	7.891	98	131718	5.059	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	101.200%		
43) trans-1,3-Dichloroprop...	8.174	79	19559	4.981	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	99.600%		
46) 2-Hexanone-d5	8.627	63	81709	45.585	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	91.160%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	56287	5.310	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	106.200%		
66) 1,2-Dichlorobenzene-d4	12.187	152	52560	5.106	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	102.200%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.383	85	2669	0.165	ug/L	95
3) Chloromethane	1.518	50	3387	0.204	ug/L	99
5) Vinyl chloride	1.602	62	3130	0.183	ug/L #	56
6) Bromomethane	1.850	94	2030	0.200	ug/L	99
9) Trichlorofluoromethane	2.132	101	4239	0.196	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	2730	0.205	ug/L	87
12) 1,1-Dichloroethene	2.570	96	2498	0.202	ug/L #	1
14) Carbon disulfide	2.788	76	6671	0.170	ug/L	99
16) Methylene chloride	3.039	84	2727	0.184	ug/L	91
17) Methyl tert-butyl Ether	3.358	73	5598	0.177	ug/L	99
18) trans-1,2-Dichloroethene	3.358	96	2412	0.184	ug/L	76
19) 1,1-Dichloroethane	3.862	63	4378	0.172	ug/L #	83
22) cis-1,2-Dichloroethene	4.663	96	2559	0.174	ug/L	96
23) Bromochloromethane	4.968	128	1093	0.171	ug/L	93
25) Chloroform	5.078	83	5751	0.216	ug/L	98
27) 1,2-Dichloroethane	5.795	62	3023	0.176	ug/L #	87
30) Cyclohexane	5.383	56	3445	0.178	ug/L #	65
31) Carbon tetrachloride	5.518	117	3000	0.191	ug/L	98
33) Benzene	5.772	78	10326	0.213	ug/L	100

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

35) Methylcyclohexane	6.753	83	4359	0.221	ug/L	93
37) 1,2-Dichloropropane	6.785	63	3054	0.243	ug/L #	87
38) Bromodichloromethane	7.103	83	3429	0.225	ug/L #	98
39) cis-1,3-Dichloropropene	7.605	75	3348	0.190	ug/L	96
40) 4-Methyl-2-pentanone	7.788	43	13700m	2.020	ug/L	
42) Toluene	7.965	91	9931	0.196	ug/L	96
44) trans-1,3-Dichloropropene	8.213	75	2635	0.188	ug/L	87
45) 1,1,2-Trichloroethane	8.396	97	1681	0.182	ug/L	96
49) Dibromochloromethane	8.801	129	1530	0.156	ug/L	94
50) 1,2-Dibromoethane	8.923	107	1539	0.167	ug/L #	99
51) Chlorobenzene	9.444	112	6515	0.187	ug/L	98
52) Ethylbenzene	9.566	91	9841	0.162	ug/L	95
53) m,p-Xylene	9.692	106	3878	0.181	ug/L	97
54) o-Xylene	10.100	106	3509	0.162	ug/L	100
55) Styrene	10.119	104	4835	0.136	ug/L	89
57) 1,1,2,2-Tetrachloroethane	10.775	83	2794	0.235	ug/L #	93
59) Bromoform	10.287	173	976	0.189	ug/L #	84
60) Isopropylbenzene	10.479	105	9653	0.178	ug/L	95
61) 1,2,3-Trichloropropane	10.817	75	1876	0.233	ug/L #	90
62) 1,3,5-Trimethylbenzene	11.084	105	8655	0.200	ug/L	94
63) 1,2,4-Trimethylbenzene	11.467	105	6542	0.152	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	4215	0.175	ug/L	91
65) 1,4-Dichlorobenzene	11.833	146	4514	0.194	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	4349	0.208	ug/L	96
68) 1,2-Dibromo-3-chloropr...	13.003	75	152	0.111	ug/L #	46
69) 1,3,5-Trichlorobenzene	13.222	180	2724	0.190	ug/L	96
71) Naphthalene	14.116	128	3529	0.199	ug/L #	82
72) 1,2,3-Trichlorobenzene	14.335	180	2162	0.228	ug/L #	88

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

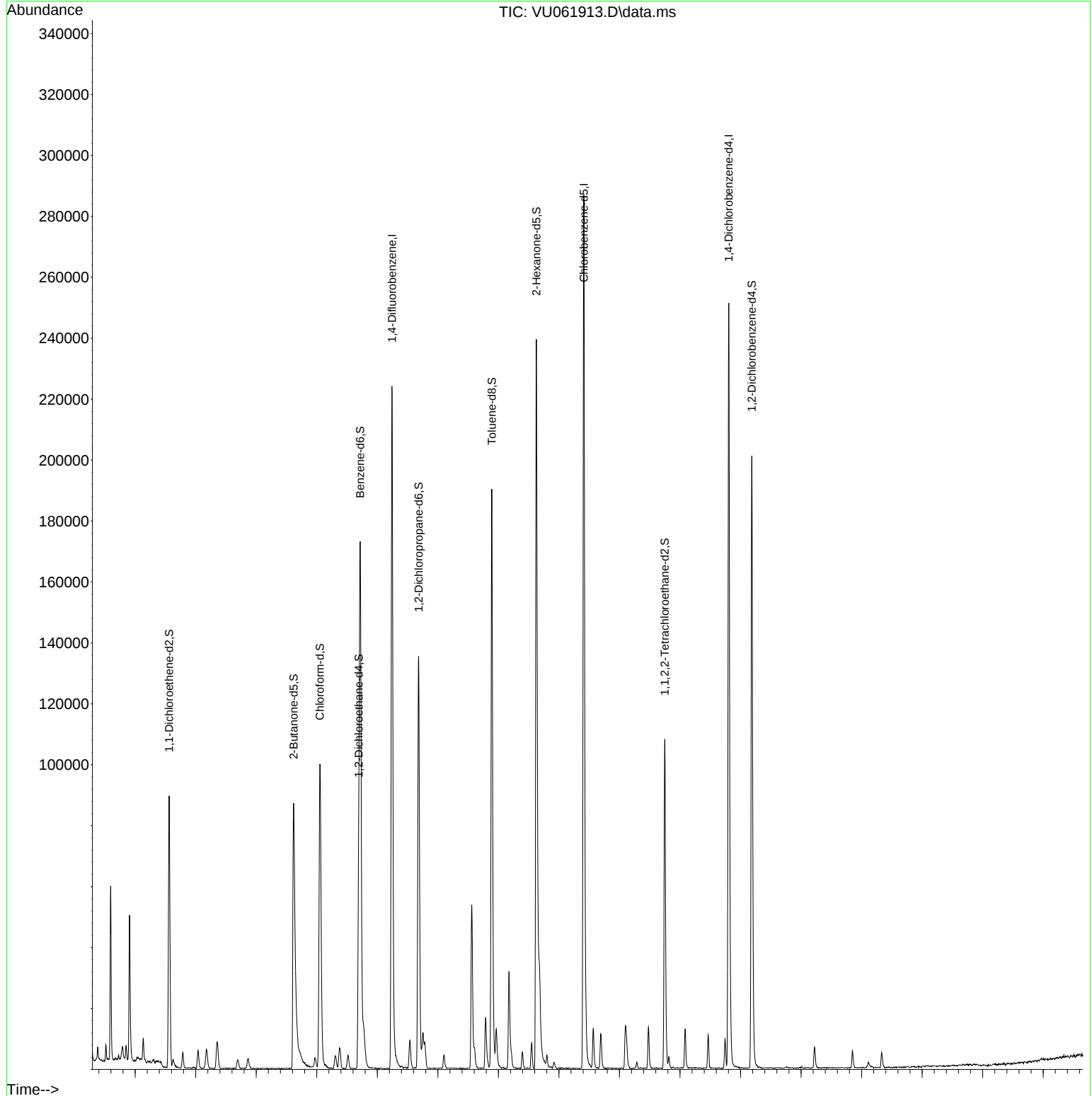
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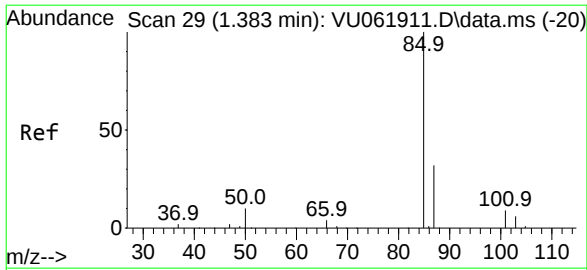
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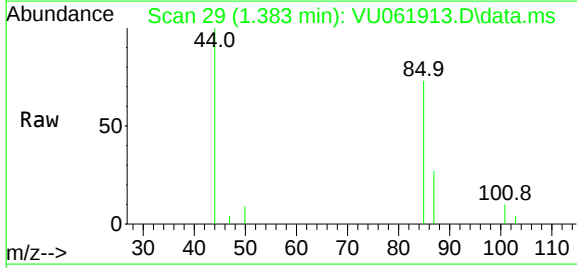
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024





#2
Dichlorodifluoromethane
Concen: 0.165 ug/L
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

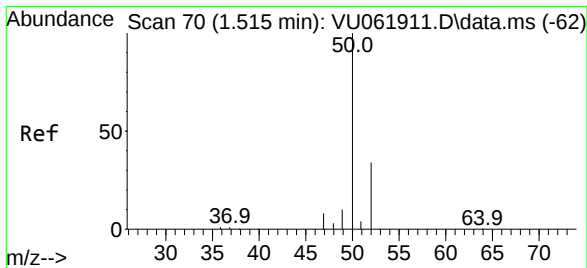
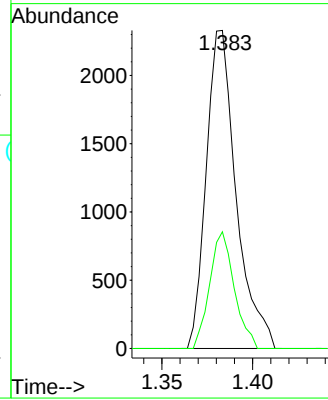
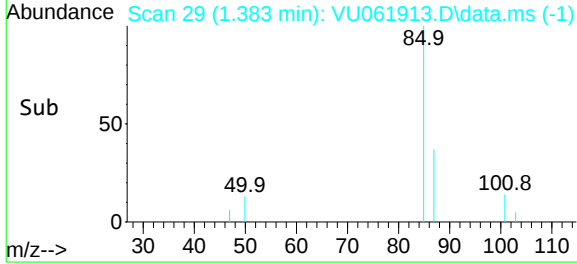
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-07



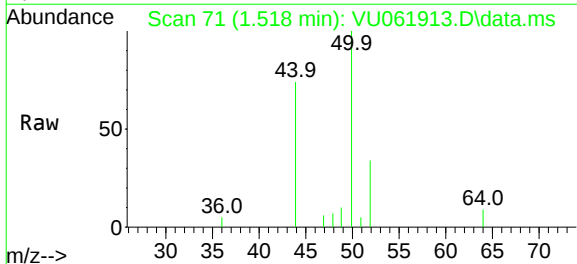
Tgt Ion: 85 Resp: 2669
Ion Ratio Lower Upper
85 100
87 30.2 26.6 40.0

Manual Integrations
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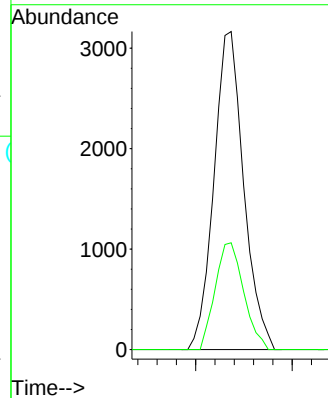
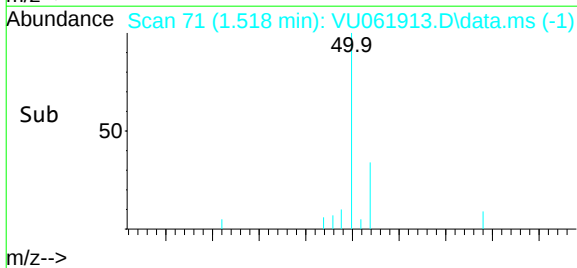
Reviewed By :Mahesh Dadoda 11/25/2024
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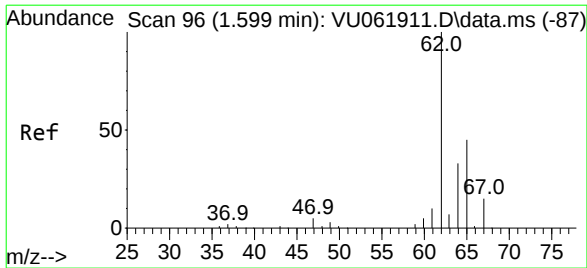


#3
Chloromethane
Concen: 0.204 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49



Tgt Ion: 50 Resp: 3387
Ion Ratio Lower Upper
50 100
52 33.6 23.1 42.9





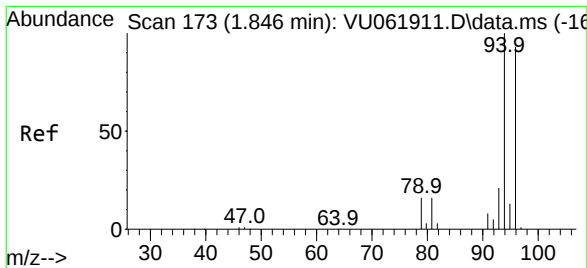
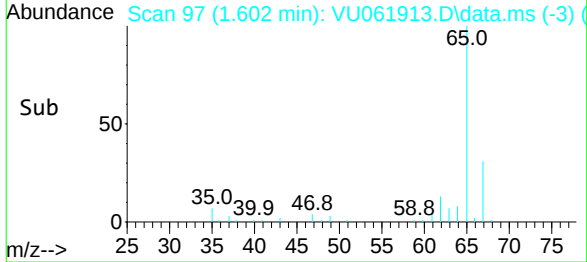
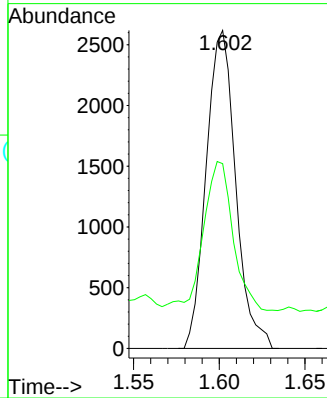
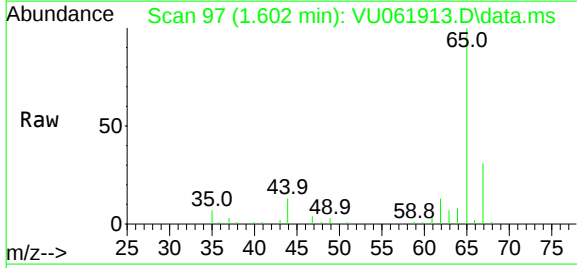
#5
Vinyl chloride
Concen: 0.183 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.003 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

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

Tgt Ion: 62 Resp: 3130
Ion Ratio Lower Upper
62 100
64 58.1 23.1 42.9

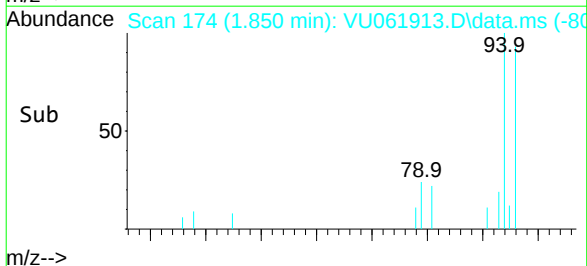
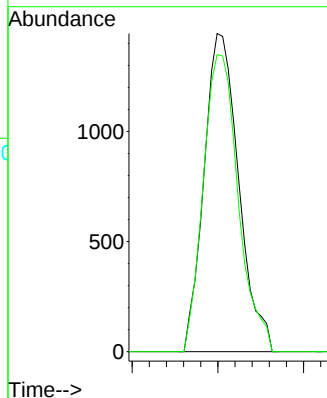
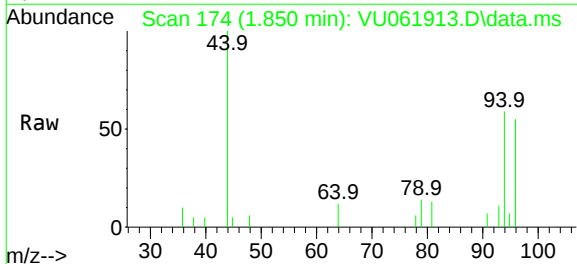
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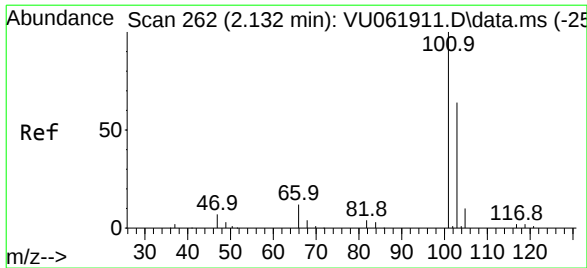
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#6
Bromomethane
Concen: 0.200 ug/L
RT: 1.850 min Scan# 174
Delta R.T. 0.003 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

Tgt Ion: 94 Resp: 2030
Ion Ratio Lower Upper
94 100
96 93.4 64.5 119.9





#9

Trichlorofluoromethane

Concen: 0.196 ug/L

RT: 2.132 min Scan# 26

Delta R.T. 0.000 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2024-07

Tgt Ion:101 Resp: 4239

Ion Ratio Lower Upper

101 100

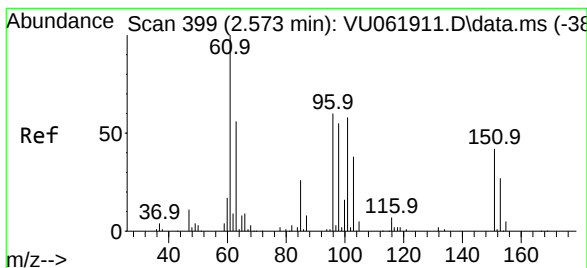
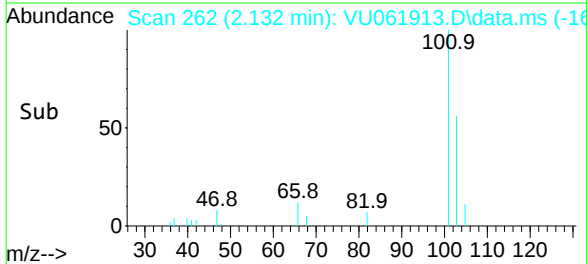
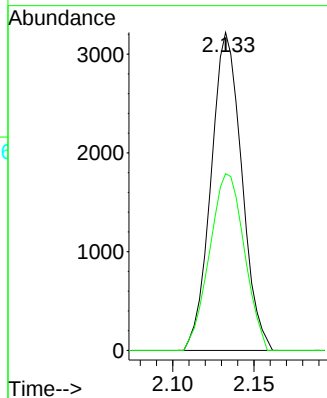
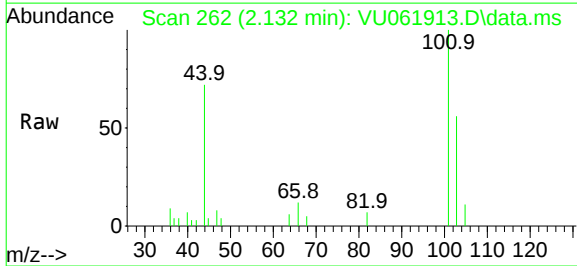
103 62.8 50.6 75.8

Manual Integrations

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#10

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

Concen: 0.205 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

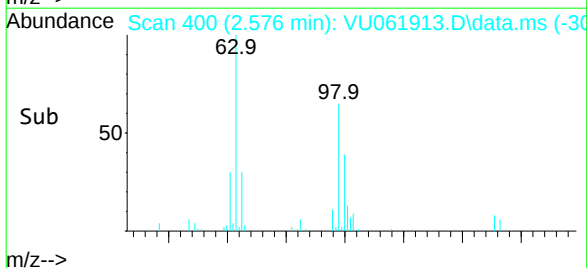
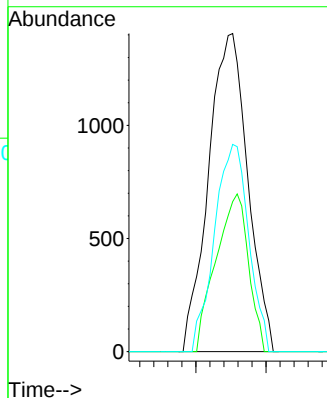
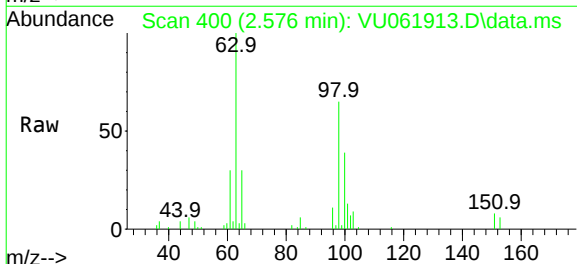
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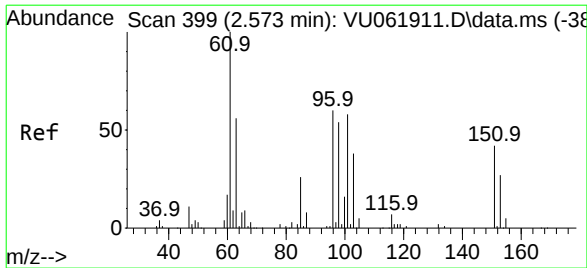
Ion Ratio Lower Upper

101 100

85 41.0 38.0 57.0

151 56.9 55.3 82.9





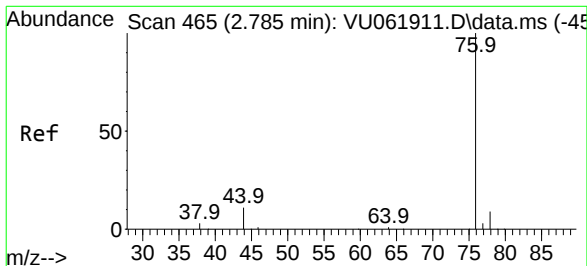
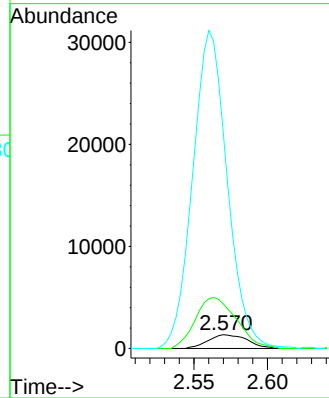
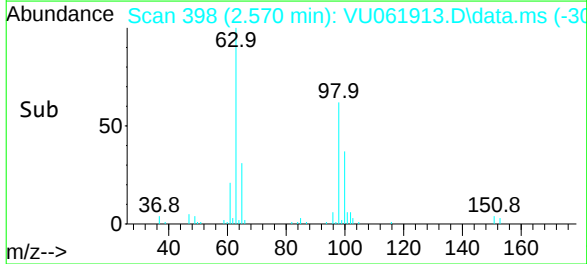
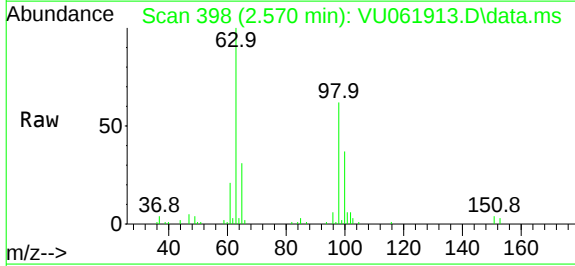
#12
1,1-Dichloroethene
Concen: 0.202 ug/L
RT: 2.570 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU061913.D
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Tgt Ion: 96 Resp: 2498
Ion Ratio Lower Upper
96 100
61 325.5 119.6 222.2#
63 1582.8 65.0 120.6

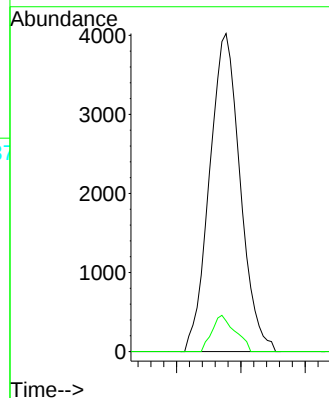
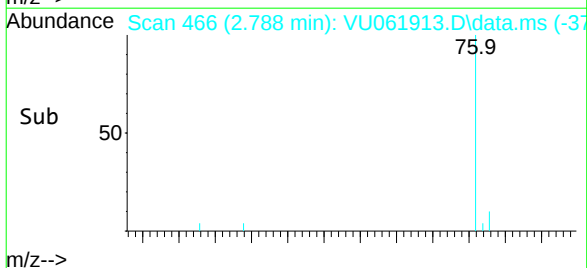
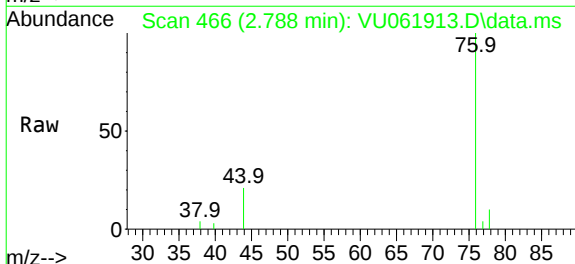
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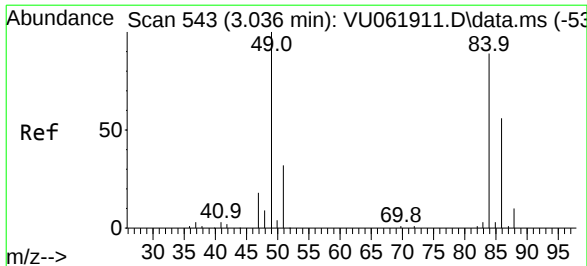
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#14
Carbon disulfide
Concen: 0.170 ug/L
RT: 2.788 min Scan# 466
Delta R.T. 0.003 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

Tgt Ion: 76 Resp: 6671
Ion Ratio Lower Upper
76 100
78 9.6 7.5 11.3





#16

Methylene chloride

Concen: 0.184 ug/L

RT: 3.039 min Scan# 54

Delta R.T. 0.003 min

Lab File: VU061913.D

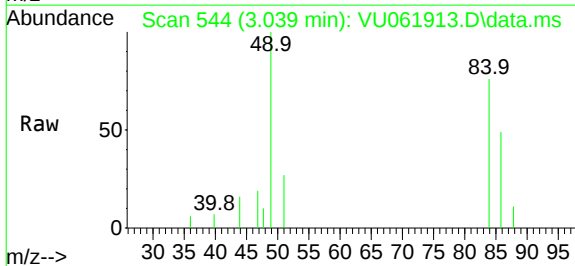
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Instrument :

MSVOA_U

ClientSampleId :

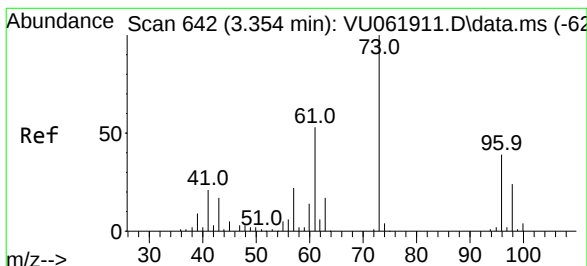
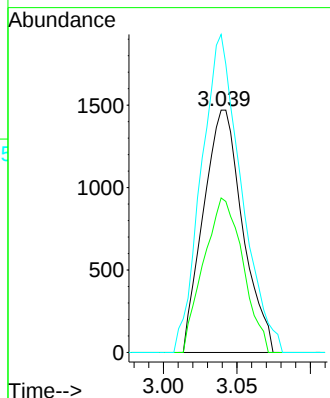
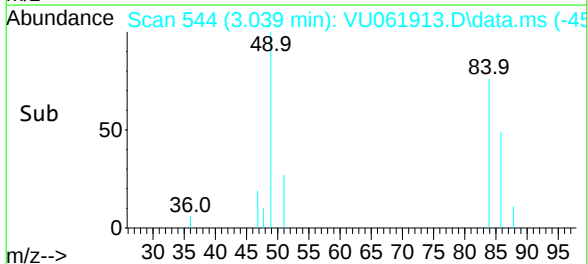
MDL-WATER-QT4-2024-07



Tgt	Ion	84	Resp:	2727
Ion	Ratio	Lower	Upper	
84	100			
86	63.7	43.5	80.7	
49	131.2	81.9	152.1	

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#17

Methyl tert-butyl Ether

Concen: 0.177 ug/L

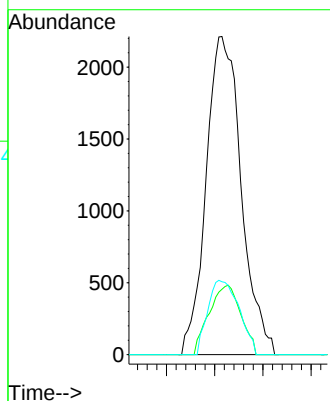
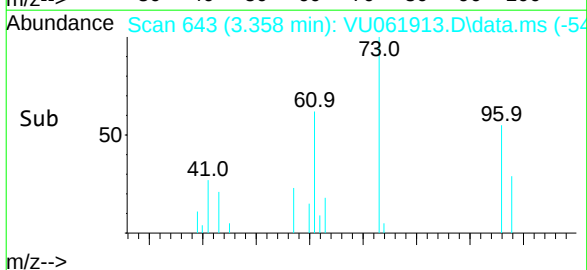
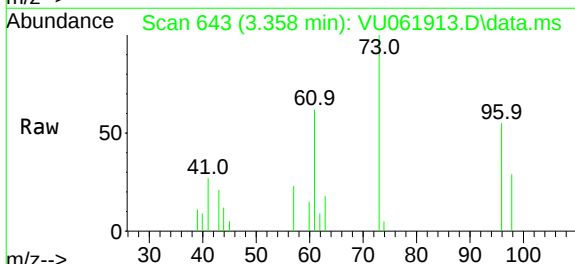
RT: 3.358 min Scan# 643

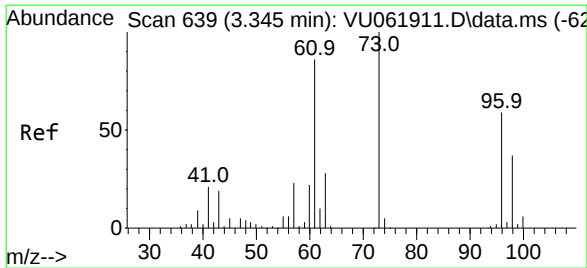
Delta R.T. 0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

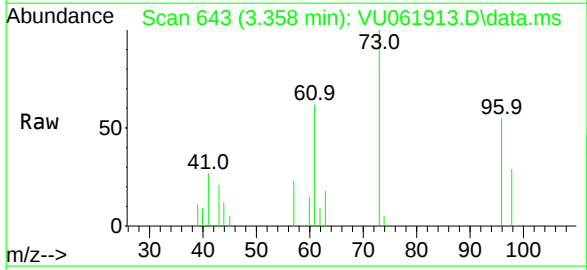
Tgt	Ion	73	Resp:	5598
Ion	Ratio	Lower	Upper	
73	100			
43	19.7	16.3	24.5	
57	20.8	17.1	25.7	





#18
trans-1,2-Dichloroethene
Concen: 0.184 ug/L
RT: 3.358 min Scan# 64
Delta R.T. 0.013 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

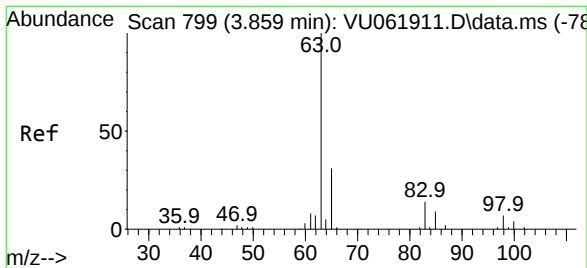
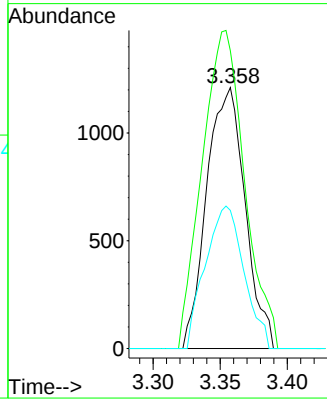
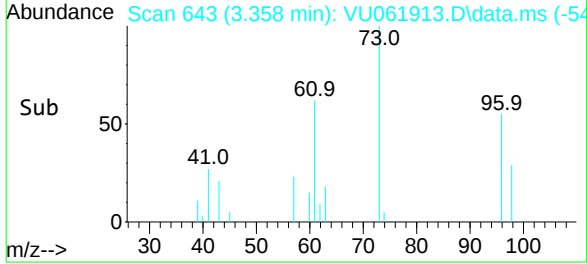
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-07



Tgt Ion: 96 Resp: 2412
Ion Ratio Lower Upper
96 100
61 114.1 104.2 193.4
98 52.9 45.7 84.9

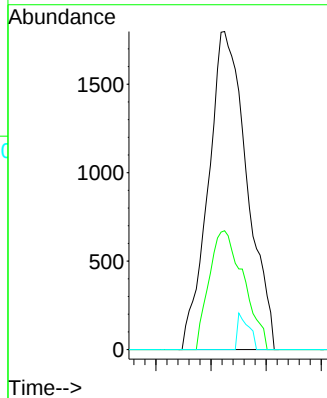
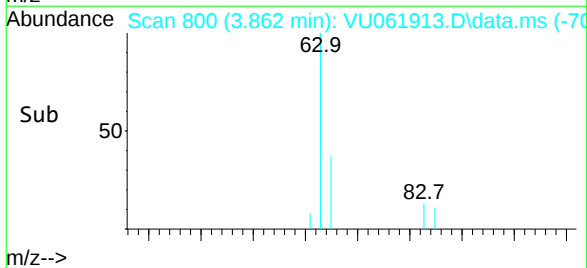
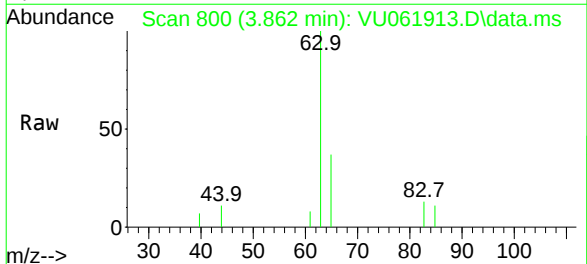
Manual Integrations
APPROVED

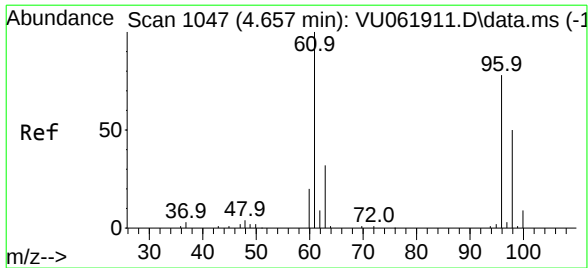
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#19
1,1-Dichloroethane
Concen: 0.172 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

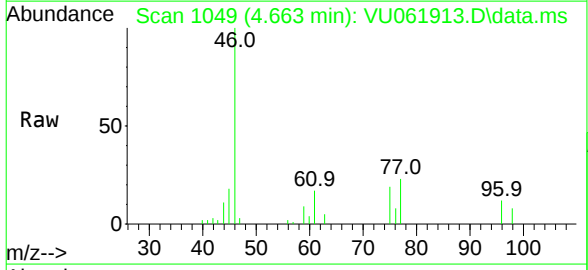
Tgt Ion: 63 Resp: 4378
Ion Ratio Lower Upper
63 100
65 37.4 22.7 42.3
83 0.0 9.9 18.3#





#22
 cis-1,2-Dichloroethene
 Concen: 0.174 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.006 min
 Lab File: VU061913.D
 Acq: 21 Nov 2024 12:49

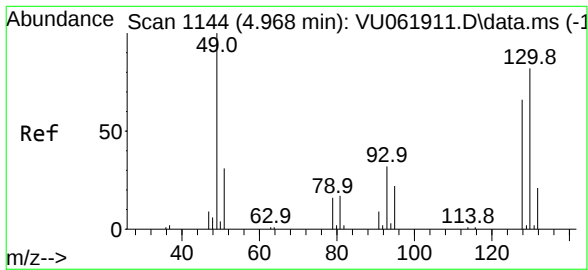
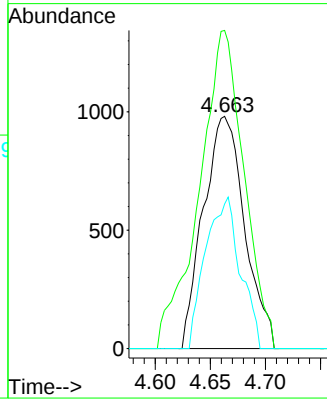
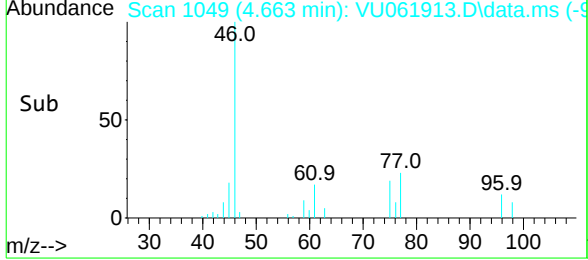
Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.0	92.0	170.8
98	62.3	44.5	82.7

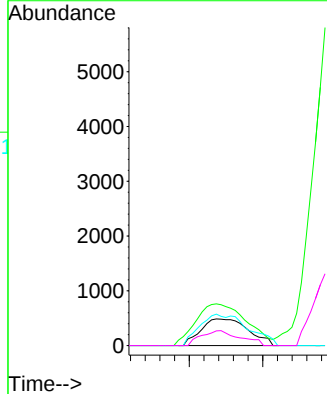
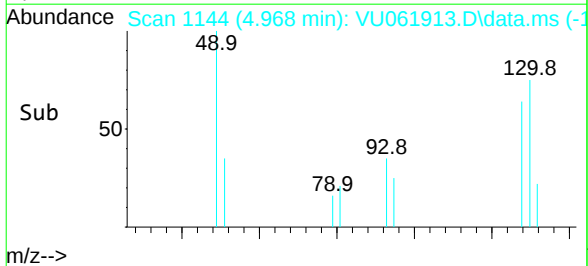
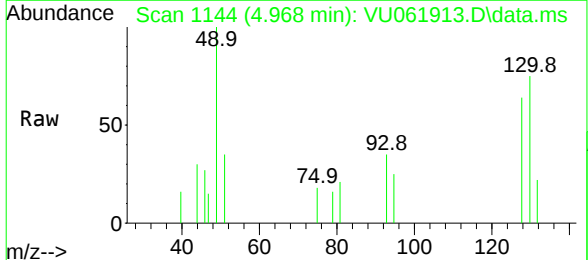
Manual Integrations
 APPROVED

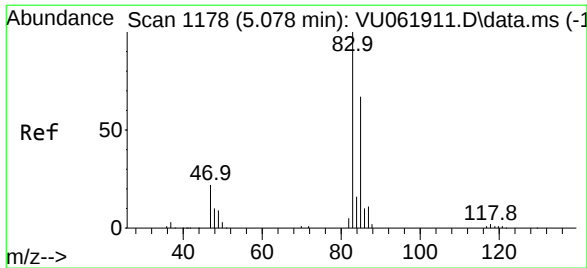
Reviewed By :Mahesh Dadoda 11/25/2024
 Supervised By :Semsettin Yesilyurt 11/25/2024



#23
 Bromochloromethane
 Concen: 0.171 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU061913.D
 Acq: 21 Nov 2024 12:49

Tgt Ion	Ratio	Lower	Upper
128	100		
49	156.5	115.3	214.1
130	117.9	92.0	170.8
51	55.2	44.7	67.1





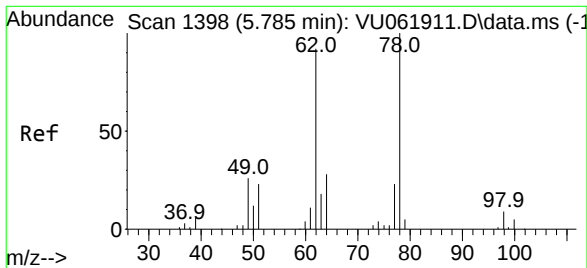
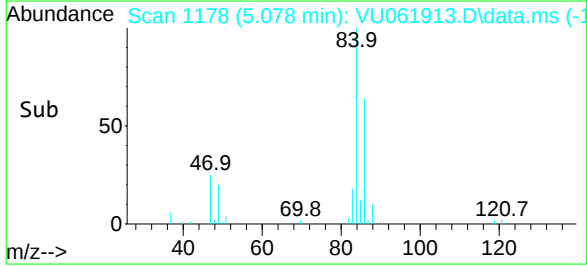
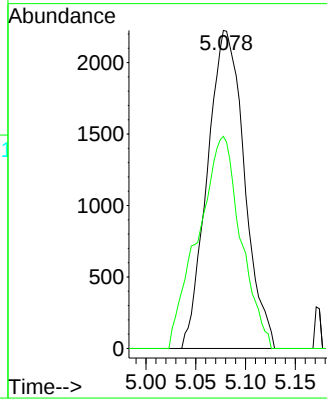
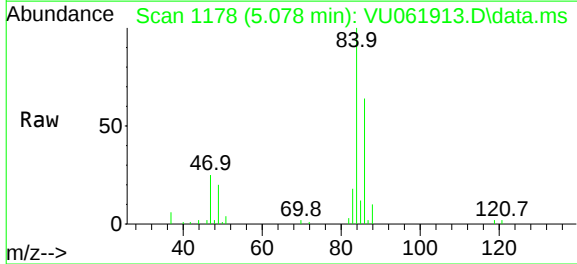
#25
Chloroform
Concen: 0.216 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

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

Tgt Ion: 83 Resp: 5751
Ion Ratio Lower Upper
83 100
85 66.7 45.4 84.2

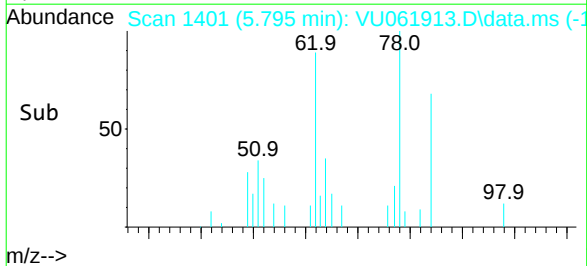
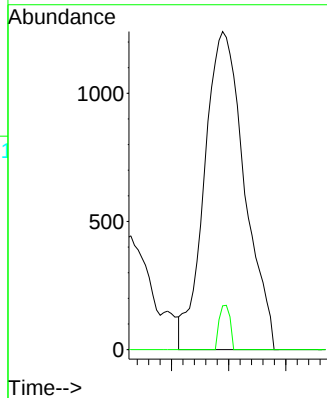
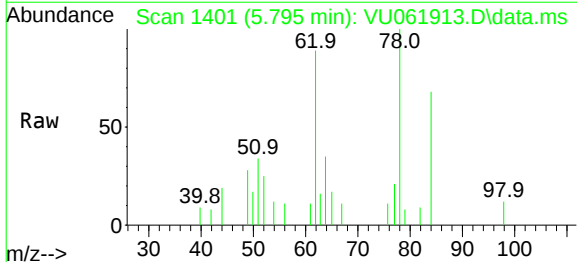
Manual Integrations
APPROVED

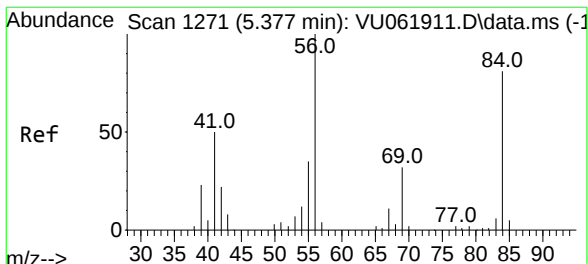
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#27
1,2-Dichloroethane
Concen: 0.176 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.010 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

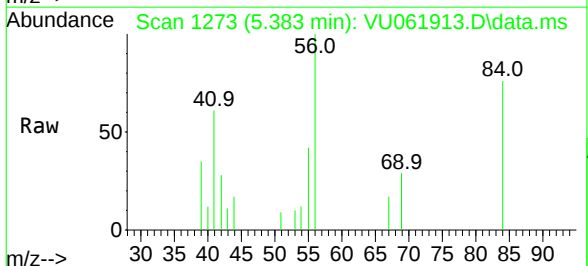
Tgt Ion: 62 Resp: 3023
Ion Ratio Lower Upper
62 100
98 13.8 7.4 11.0#





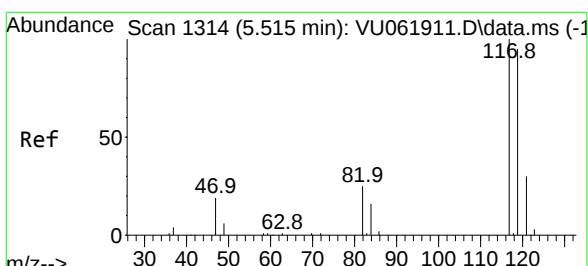
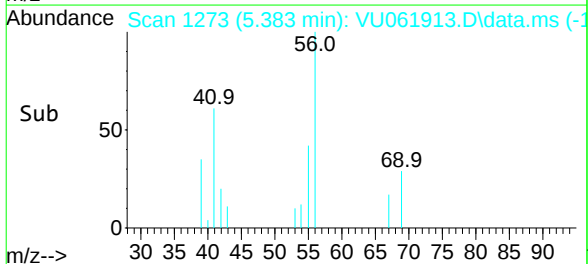
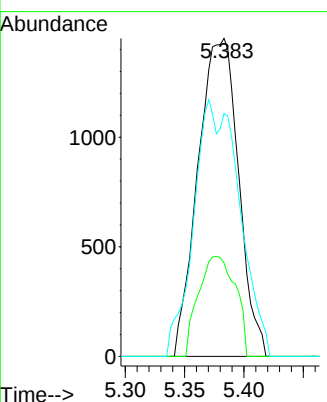
#30
Cyclohexane
Concen: 0.178 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.006 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

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



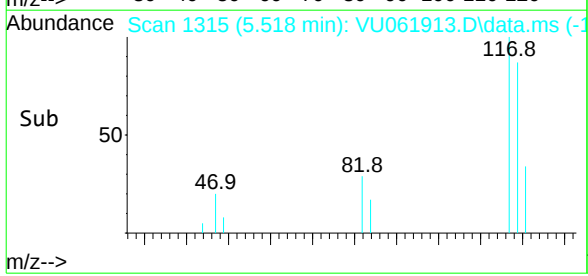
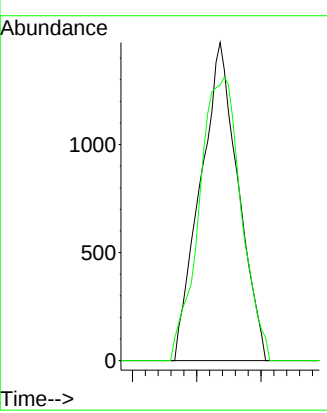
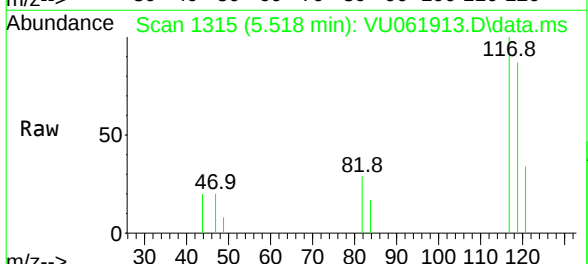
Tgt Ion:	56	Resp:	3445
Ion Ratio	Lower	Upper	
56	100		
69	28.5	25.1	37.7
84	46.2	70.6	105.8

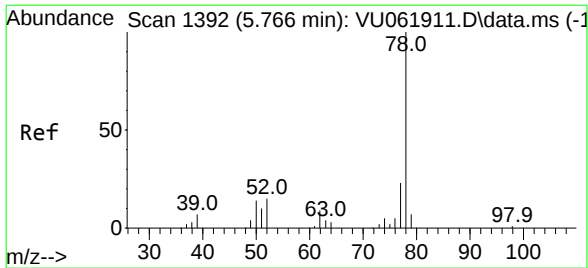
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#31
Carbon tetrachloride
Concen: 0.191 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.003 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

Tgt Ion:	117	Resp:	3000
Ion Ratio	Lower	Upper	
117	100		
119	99.2	77.5	116.3





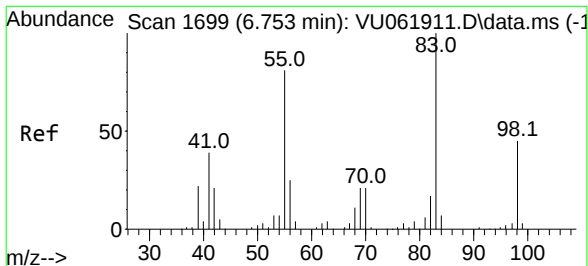
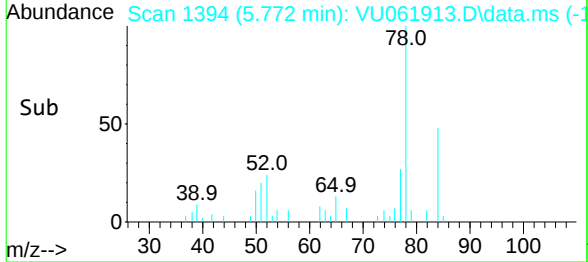
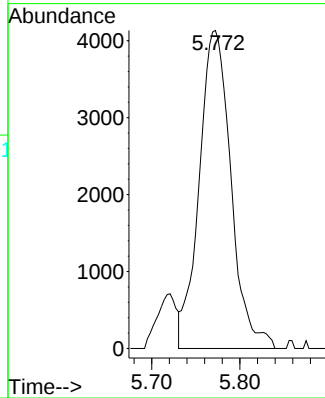
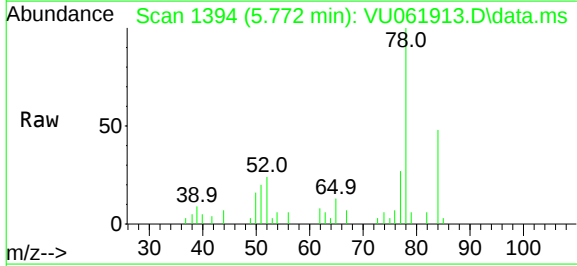
#33
Benzene
Concen: 0.213 ug/L
RT: 5.772 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

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

Tgt Ion: 78 Resp: 10326

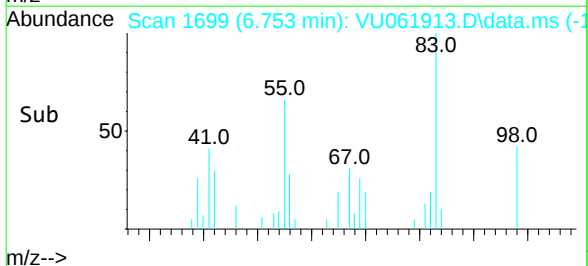
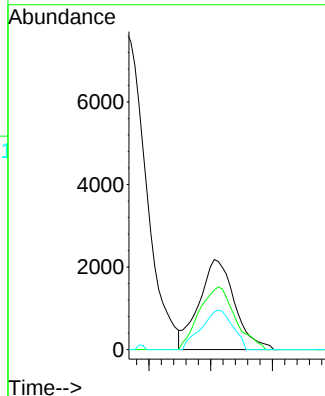
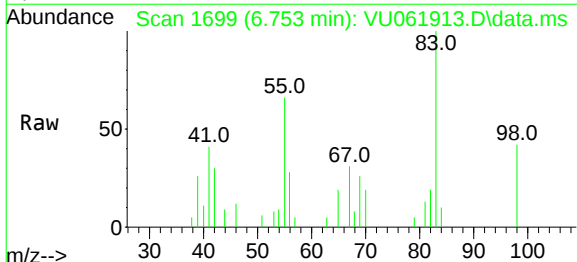
Manual Integrations
APPROVED

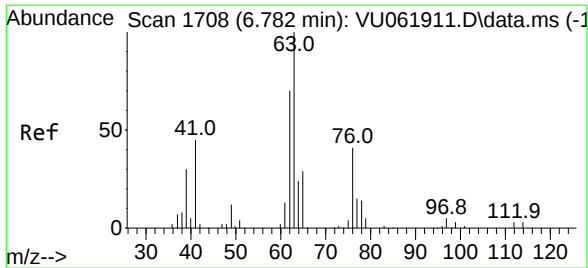
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#35
Methylcyclohexane
Concen: 0.221 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

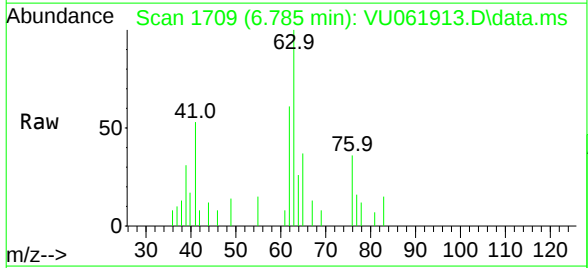
Tgt Ion: 83 Resp: 4359
Ion Ratio Lower Upper
83 100
55 70.7 60.7 91.1
98 38.8 34.8 52.2





#37
1,2-Dichloropropane
Concen: 0.243 ug/L
RT: 6.785 min Scan# 1708
Delta R.T. 0.003 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

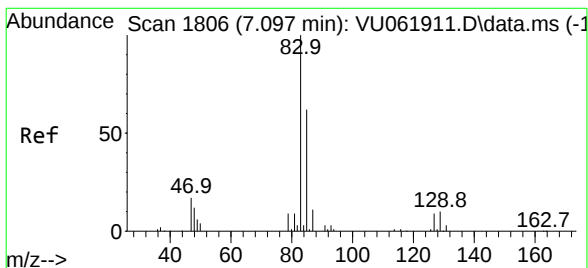
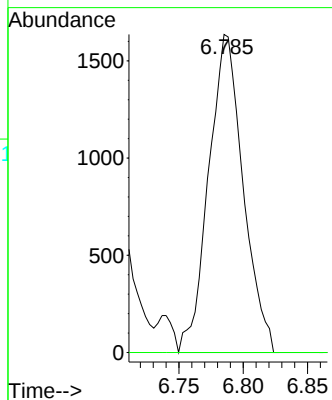
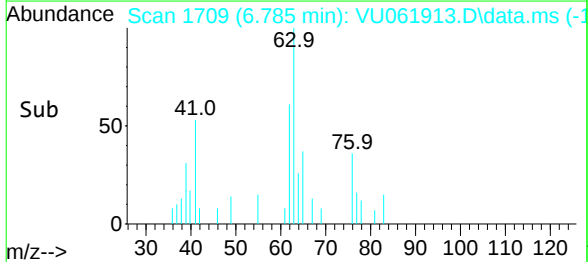
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion: 63 Resp: 3054
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

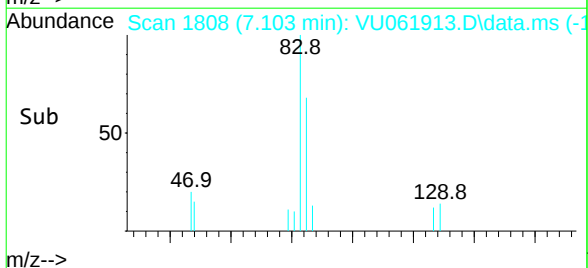
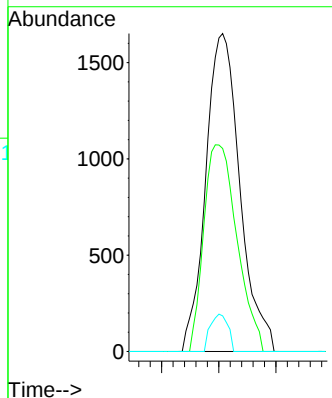
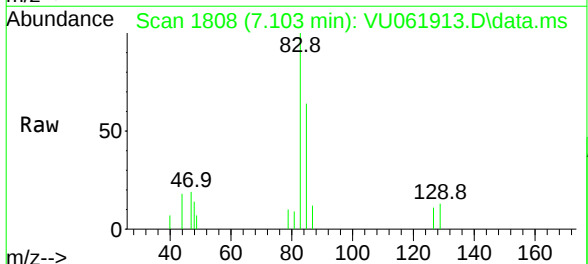
Manual Integrations
APPROVED

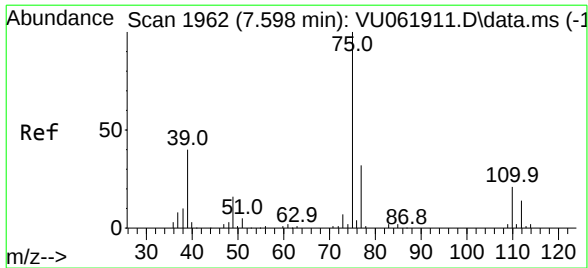
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#38
Bromodichloromethane
Concen: 0.225 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

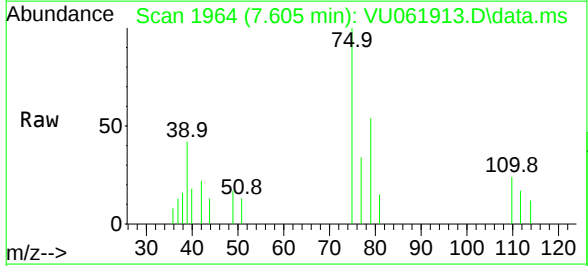
Tgt Ion: 83 Resp: 3429
Ion Ratio Lower Upper
83 100
85 63.8 44.1 81.9
127 11.2 6.9 10.3#





#39
cis-1,3-Dichloropropene
Concen: 0.190 ug/L
RT: 7.605 min Scan# 1964
Delta R.T. 0.006 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

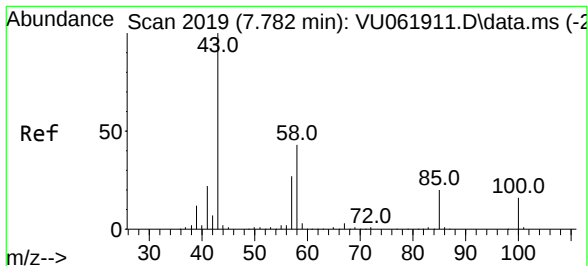
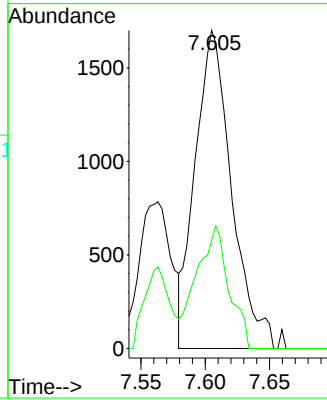
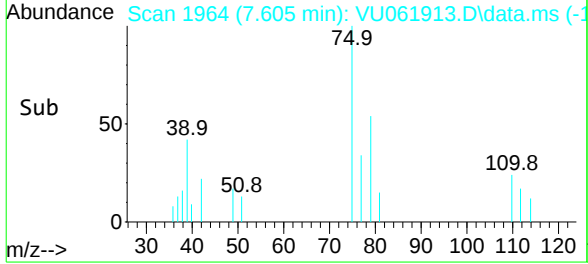
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-07



Tgt Ion: 75 Resp: 3348
Ion Ratio Lower Upper
75 100
77 34.0 22.3 41.3

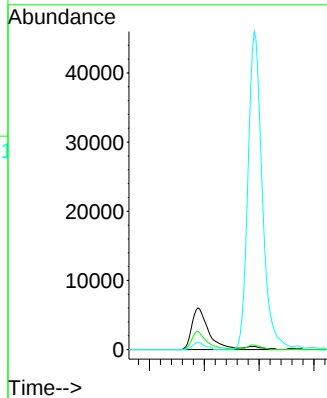
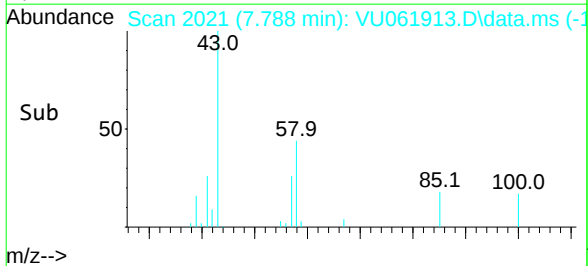
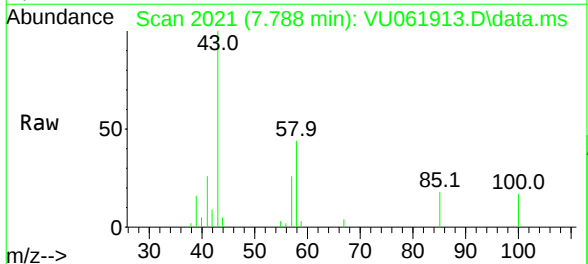
Manual Integrations
APPROVED

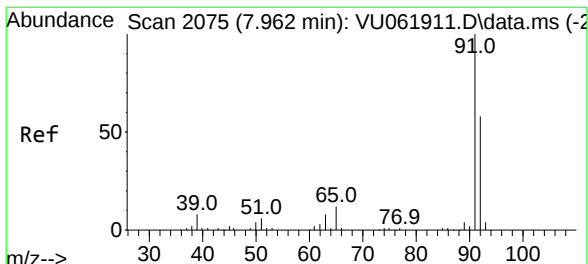
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#40
4-Methyl-2-pentanone
Concen: 2.020 ug/L m
RT: 7.788 min Scan# 2021
Delta R.T. 0.006 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

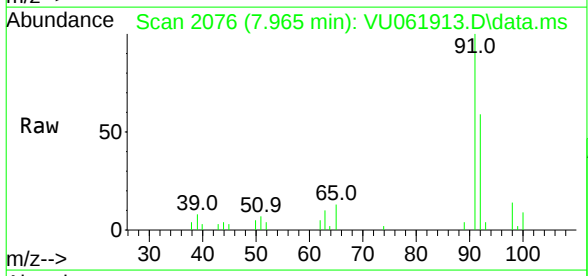
Tgt Ion: 43 Resp: 13700
Ion Ratio Lower Upper
43 100
58 36.9 33.3 49.9
100 0.0 12.4 18.6#





#42
Toluene
Concen: 0.196 ug/L
RT: 7.965 min Scan# 2075
Delta R.T. 0.003 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

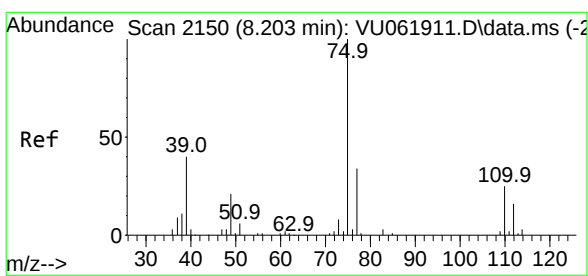
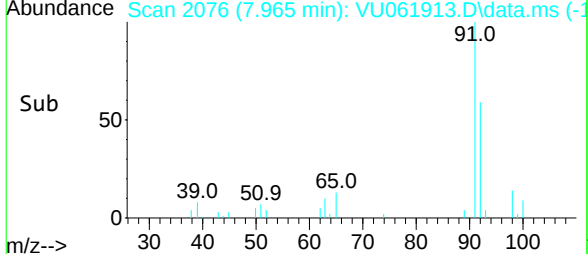
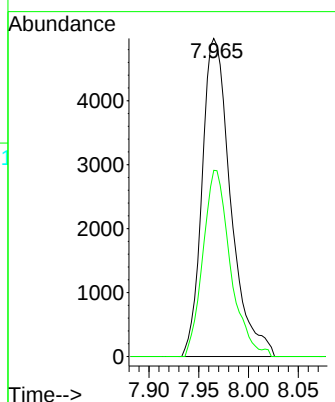
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.5	39.0	72.4

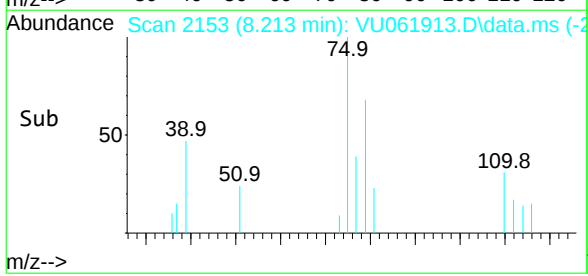
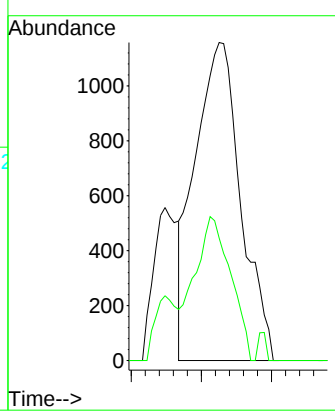
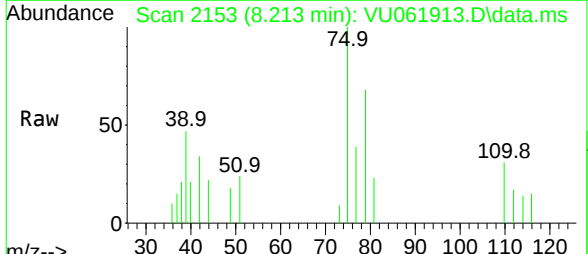
Manual Integrations
APPROVED

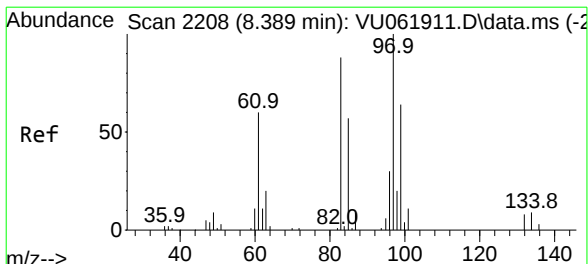
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#44
trans-1,3-Dichloropropene
Concen: 0.188 ug/L
RT: 8.213 min Scan# 2153
Delta R.T. 0.010 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

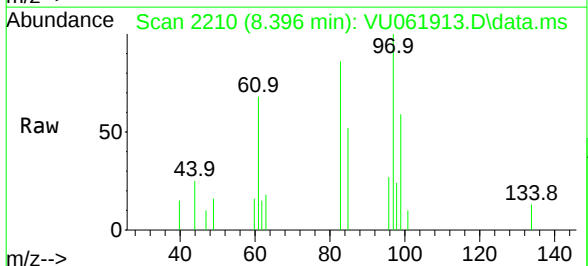
Tgt Ion	Ratio	Lower	Upper
75	100		
77	38.5	21.8	40.4





#45
1,1,2-Trichloroethane
Concen: 0.182 ug/L
RT: 8.396 min Scan# 2208
Delta R.T. 0.006 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

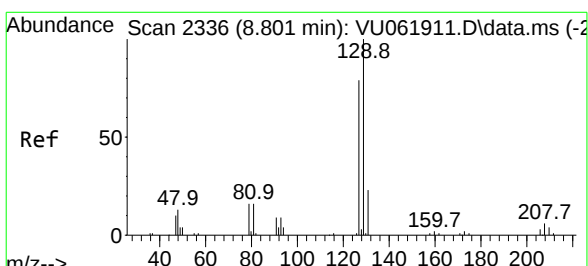
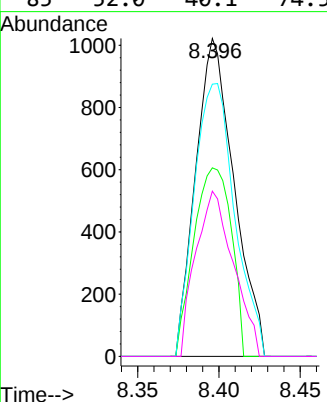
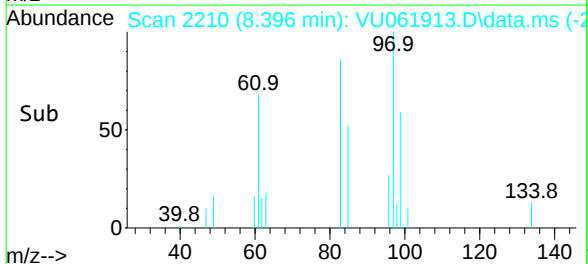
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion:	97	Resp:	1681
Ion	Ratio	Lower	Upper
97	100		
99	59.3	43.0	79.8
83	85.6	61.7	114.5
85	52.0	40.1	74.5

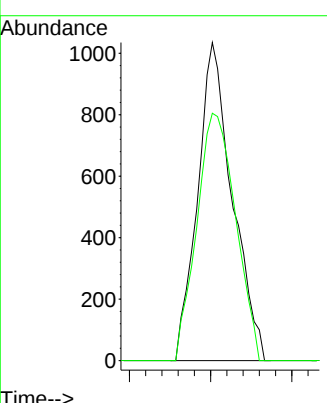
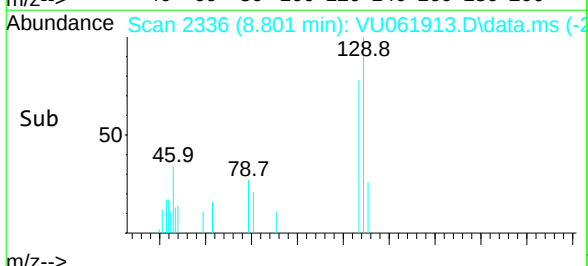
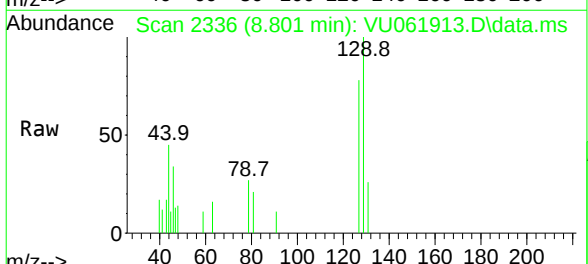
Manual Integrations
APPROVED

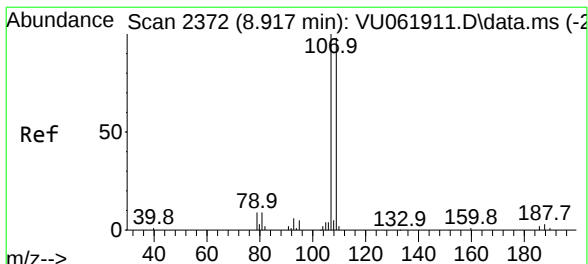
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#49
Dibromochloromethane
Concen: 0.156 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

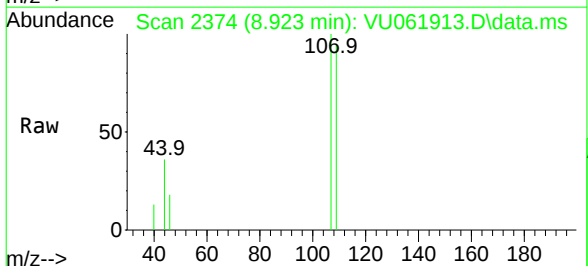
Tgt Ion:	129	Resp:	1530
Ion	Ratio	Lower	Upper
129	100		
127	77.8	51.1	94.9





#50
1,2-Dibromoethane
Concen: 0.167 ug/L
RT: 8.923 min Scan# 2373
Delta R.T. 0.006 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

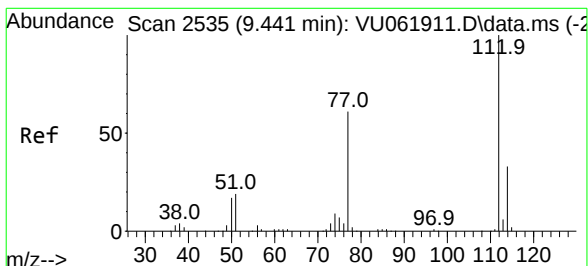
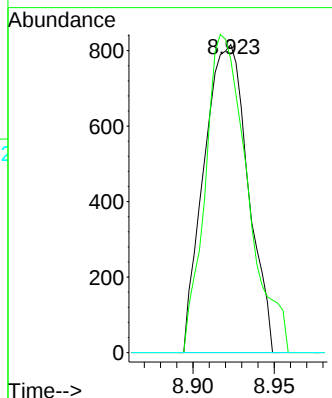
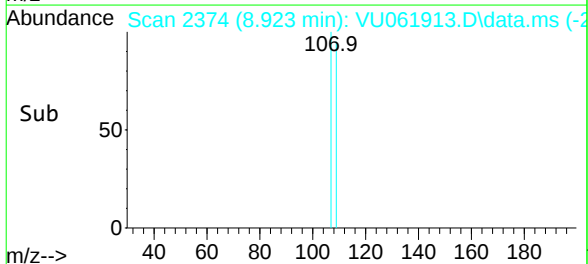
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion:	107	Resp:	1539
Ion Ratio	Lower	Upper	
107	100		
109	95.2	66.8	124.2
188	0.0	2.3	3.5

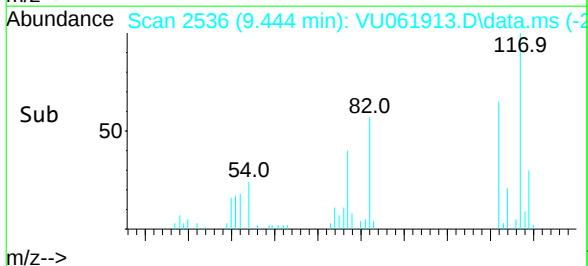
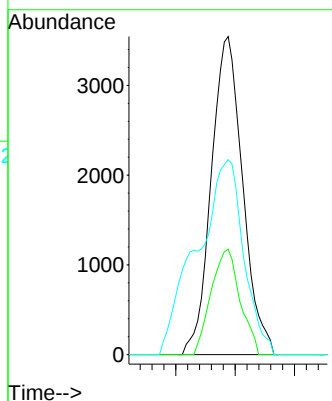
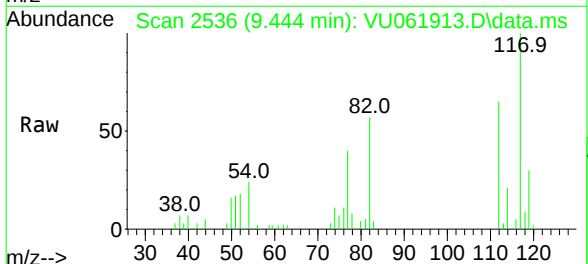
Manual Integrations
APPROVED

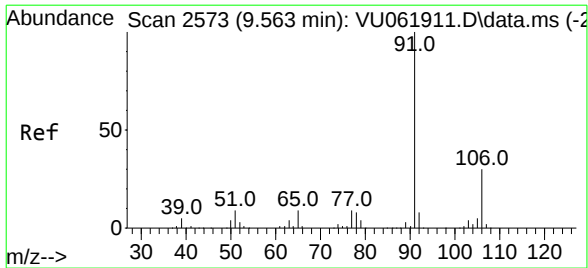
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#51
Chlorobenzene
Concen: 0.187 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

Tgt Ion:	112	Resp:	6515
Ion Ratio	Lower	Upper	
112	100		
114	33.1	23.0	42.6
77	61.3	50.5	75.7





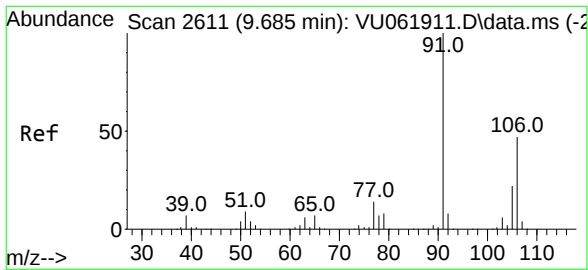
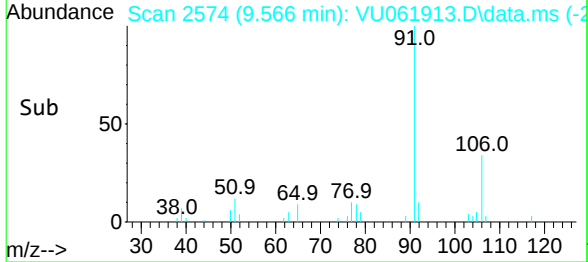
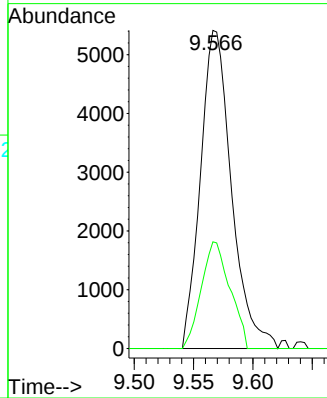
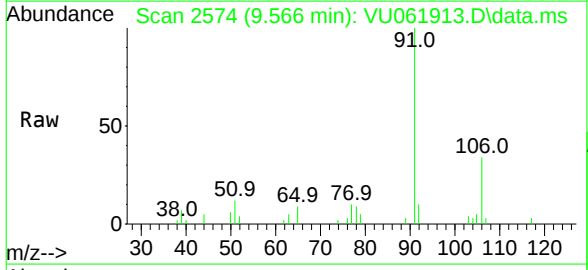
#52
Ethylbenzene
Concen: 0.162 ug/L
RT: 9.566 min Scan# 2573
Delta R.T. 0.003 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

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

Tgt Ion: 91 Resp: 9841
Ion Ratio Lower Upper
91 100
106 33.5 21.6 40.0

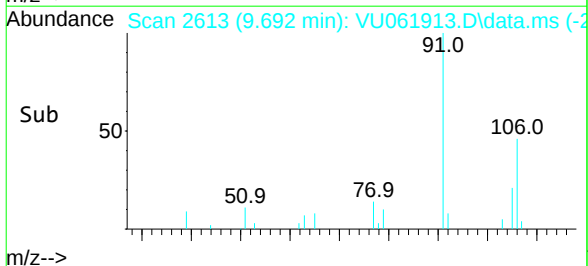
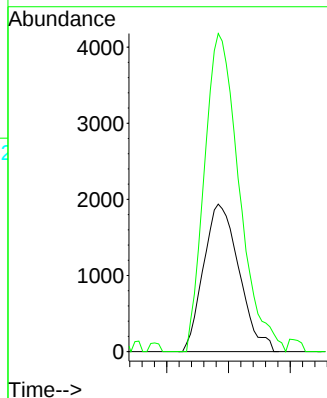
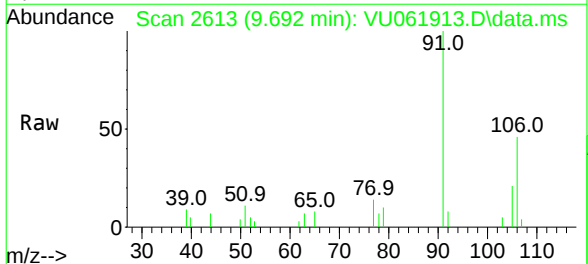
Manual Integrations
APPROVED

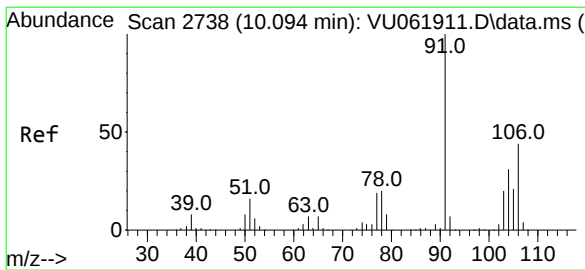
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#53
m,p-Xylene
Concen: 0.181 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.006 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

Tgt Ion:106 Resp: 3878
Ion Ratio Lower Upper
106 100
91 215.6 147.6 274.0





#54

o-Xylene

Concen: 0.162 ug/L

RT: 10.100 min Scan# 2738

Delta R.T. 0.006 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2024-07

Tgt Ion:106 Resp: 3509

Ion Ratio Lower Upper

106 100

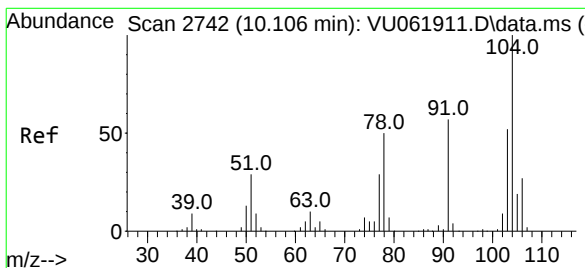
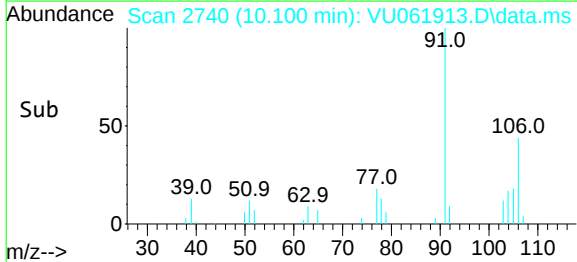
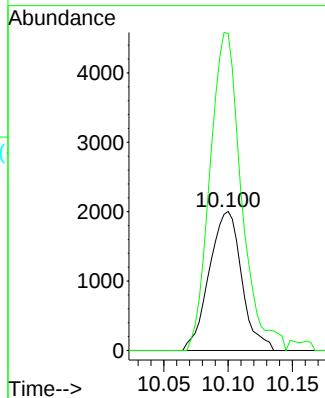
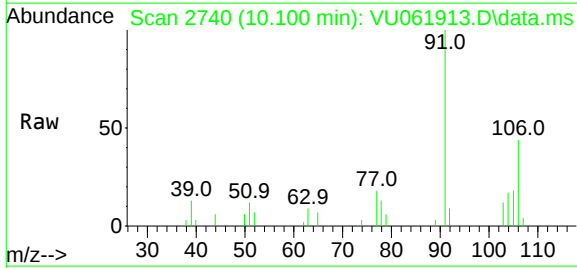
91 228.0 159.8 296.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024

Supervised By :Semsettin Yesilyurt 11/25/2024



#55

Styrene

Concen: 0.136 ug/L

RT: 10.119 min Scan# 2746

Delta R.T. 0.013 min

Lab File: VU061913.D

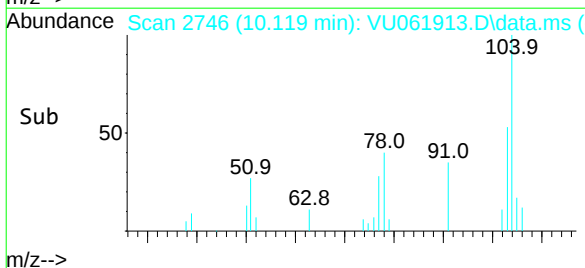
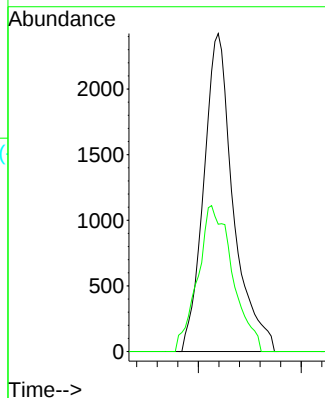
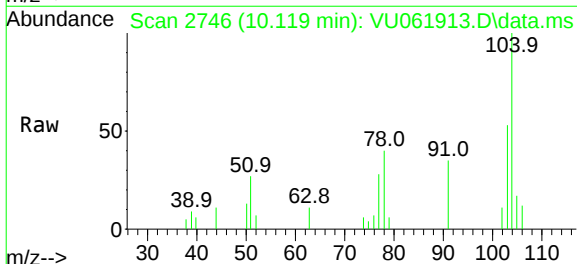
Acq: 21 Nov 2024 12:49

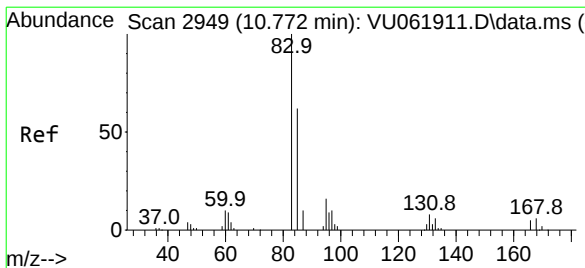
Tgt Ion:104 Resp: 4835

Ion Ratio Lower Upper

104 100

78 40.0 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 0.235 ug/L

RT: 10.775 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Instrument :

MSVOA_U

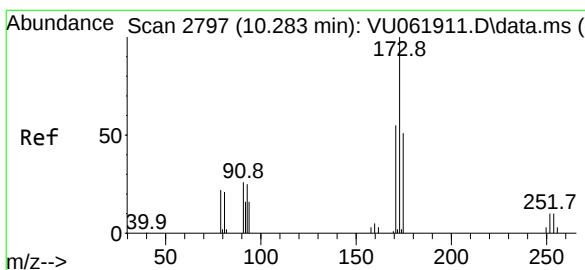
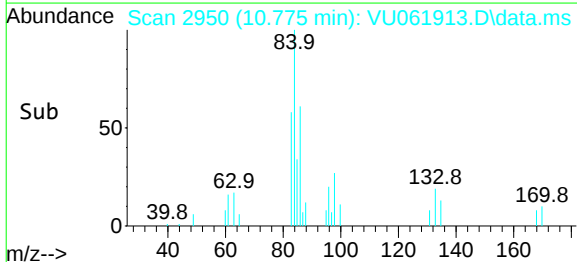
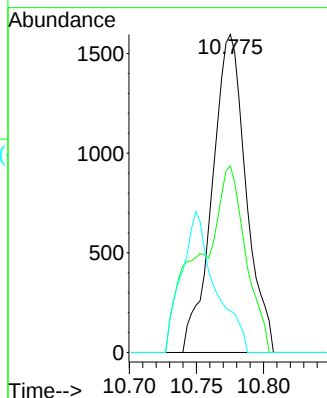
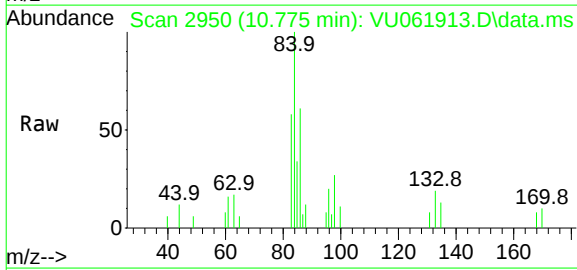
ClientSampleId :

MDL-WATER-QT4-2024-07

Tgt Ion:	83	Resp:	2794
Ion	Ratio	Lower	Upper
83	100		
85	58.6	44.4	82.4
131	13.0	7.3	10.9#

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#59

Bromoform

Concen: 0.189 ug/L

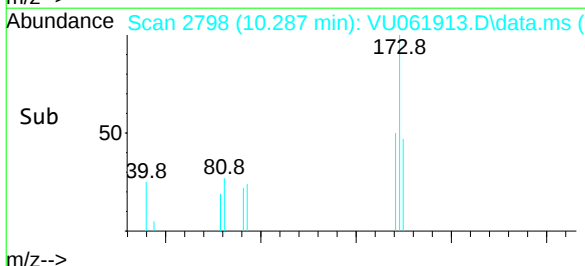
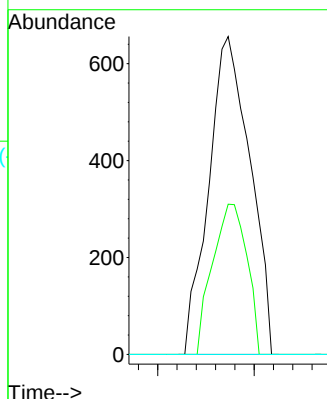
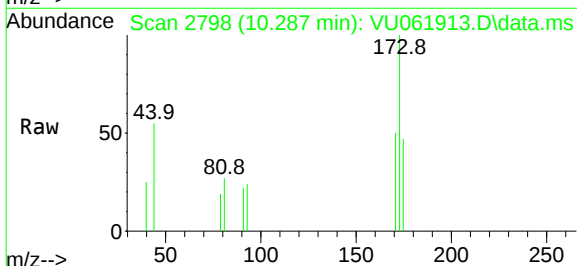
RT: 10.287 min Scan# 2798

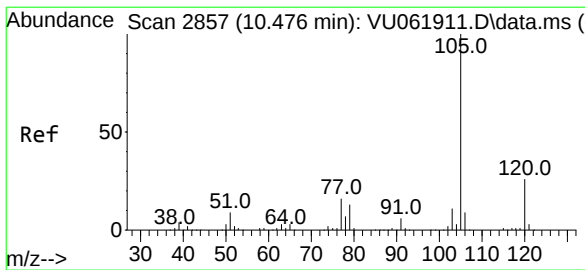
Delta R.T. 0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Tgt Ion:	173	Resp:	976
Ion	Ratio	Lower	Upper
173	100		
175	39.2	39.0	58.4
254	0.0	7.4	11.0#





#60

Isopropylbenzene

Concen: 0.178 ug/L

RT: 10.479 min Scan# 2857

Delta R.T. 0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

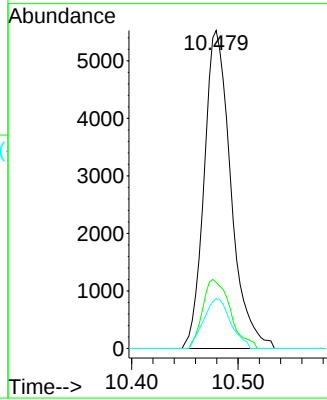
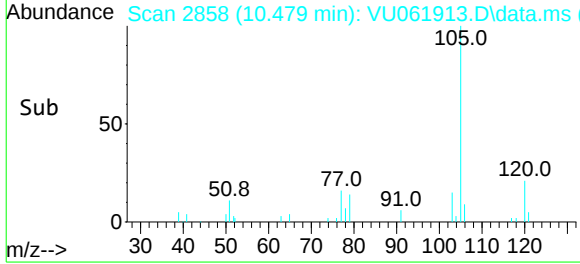
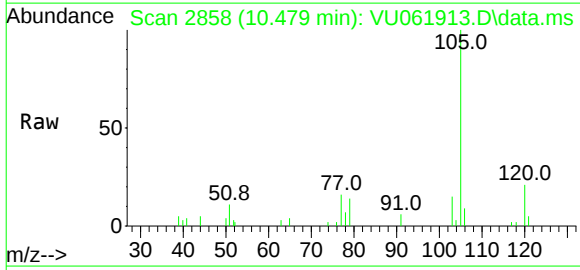
Tgt	Ion:105	Resp:	9653
Ion	Ratio	Lower	Upper
105	100		
120	22.4	20.6	31.0
77	15.8	13.0	19.6

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2024-07

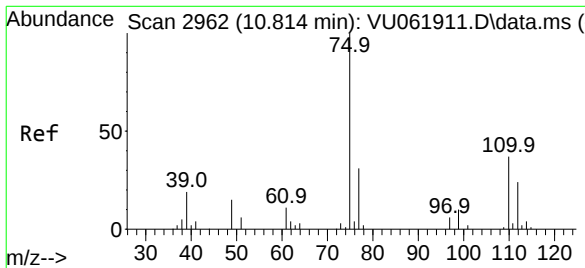


Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024

Supervised By :Semsettin Yesilyurt 11/25/2024



#61

1,2,3-Trichloropropane

Concen: 0.233 ug/L

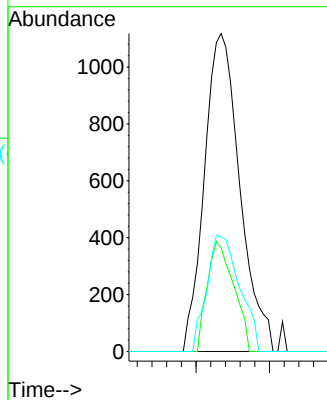
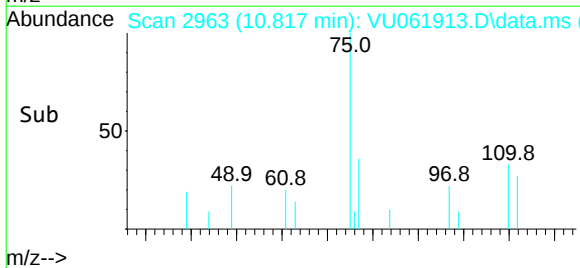
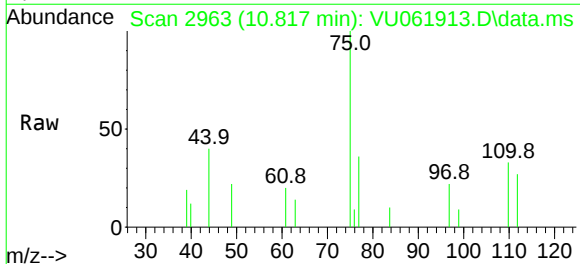
RT: 10.817 min Scan# 2963

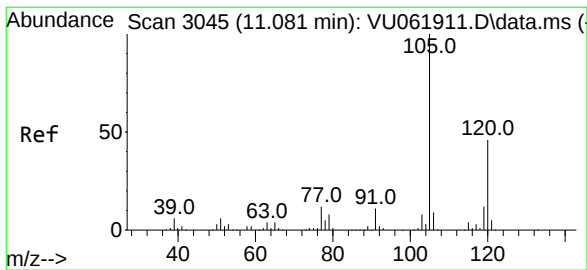
Delta R.T. 0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Tgt	Ion: 75	Resp:	1876
Ion	Ratio	Lower	Upper
75	100		
110	25.9	28.9	43.3#
77	33.8	26.5	39.7





#62

1,3,5-Trimethylbenzene

Concen: 0.200 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2024-07

Tgt Ion:105 Resp: 8655

Ion Ratio Lower Upper

105 100

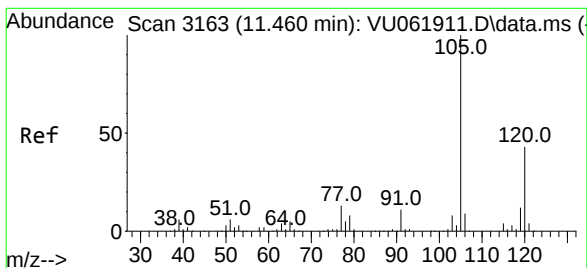
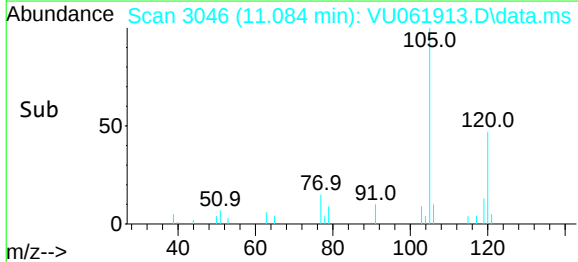
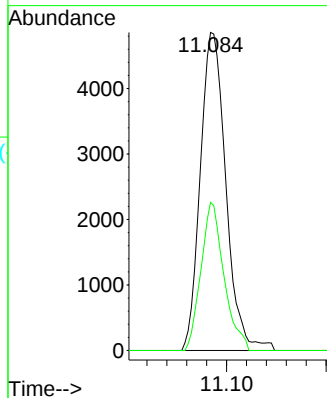
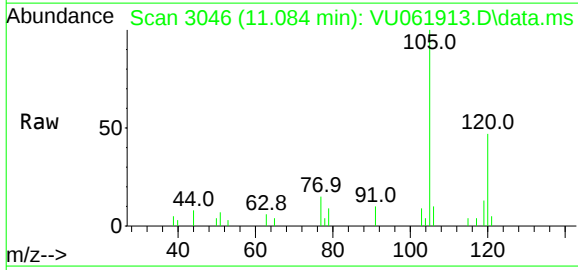
120 41.8 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024

Supervised By :Semsettin Yesilyurt 11/25/2024



#63

1,2,4-Trimethylbenzene

Concen: 0.152 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.006 min

Lab File: VU061913.D

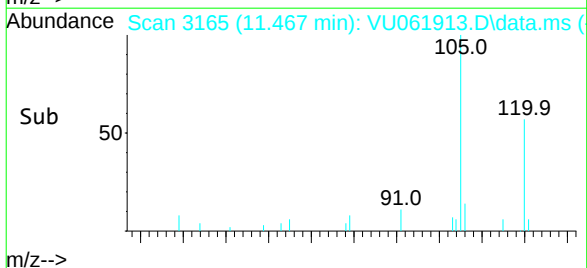
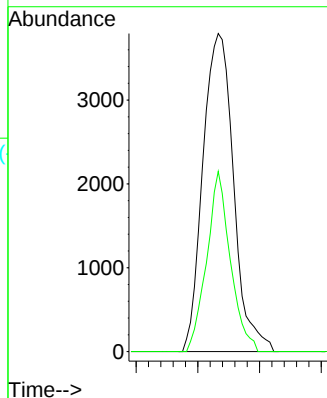
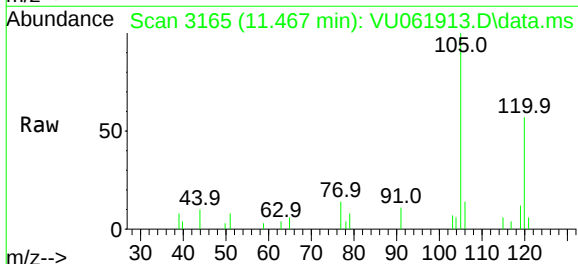
Acq: 21 Nov 2024 12:49

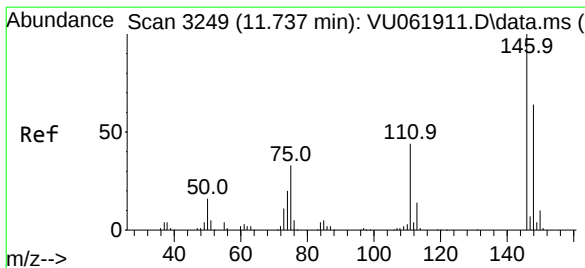
Tgt Ion:105 Resp: 6542

Ion Ratio Lower Upper

105 100

120 43.6 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 0.175 ug/L

RT: 11.743 min Scan# 32

Delta R.T. 0.006 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Instrument :

MSVOA_U

ClientSampleId :

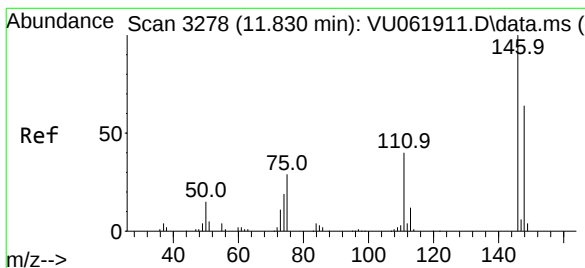
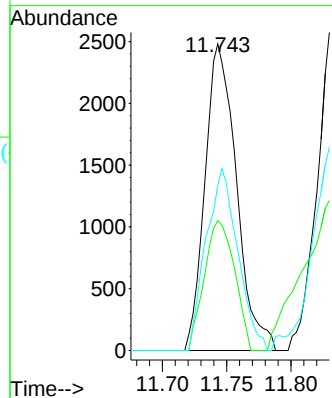
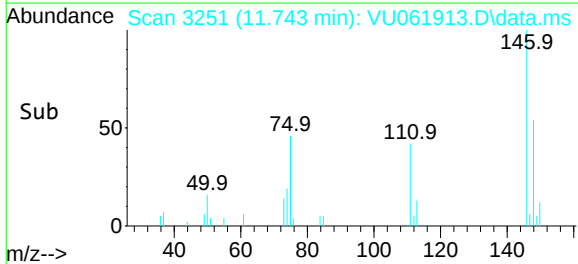
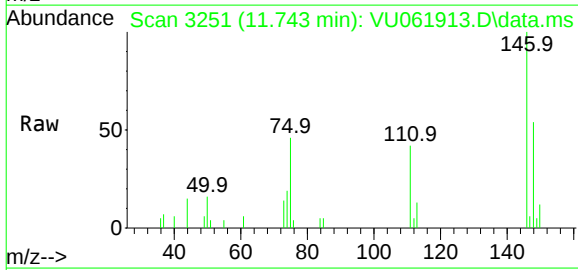
MDL-WATER-QT4-2024-07

Tgt	Ion:146	Resp:	4215
Ion	Ratio	Lower	Upper
146	100		
111	42.4	30.7	57.1
148	53.8	45.1	83.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#65

1,4-Dichlorobenzene

Concen: 0.194 ug/L

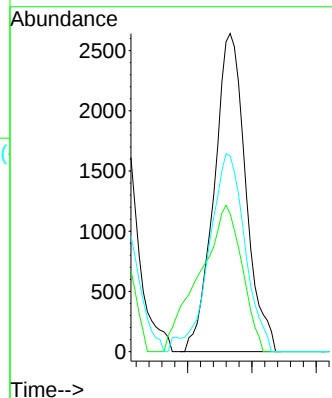
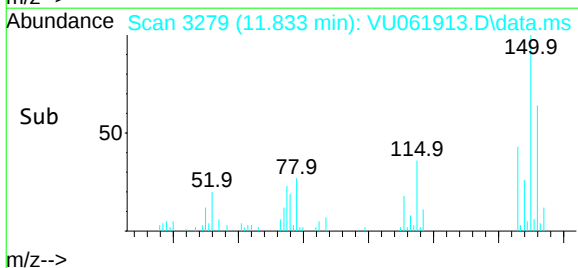
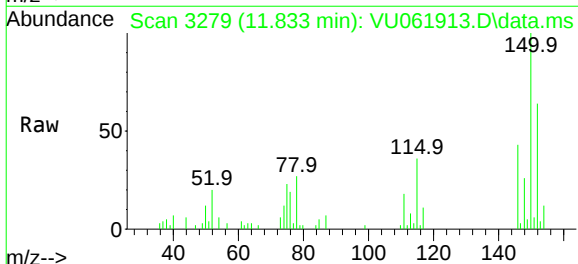
RT: 11.833 min Scan# 3279

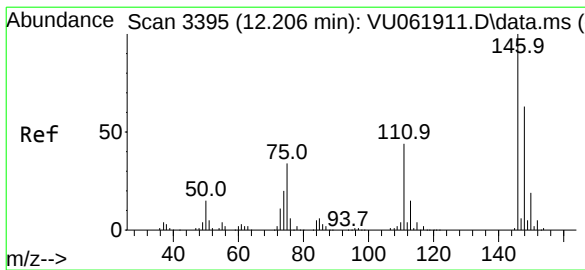
Delta R.T. 0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Tgt	Ion:146	Resp:	4514
Ion	Ratio	Lower	Upper
146	100		
111	43.3	29.3	54.3
148	61.5	44.6	82.8





#67

1,2-Dichlorobenzene

Concen: 0.208 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Instrument :

MSVOA_U

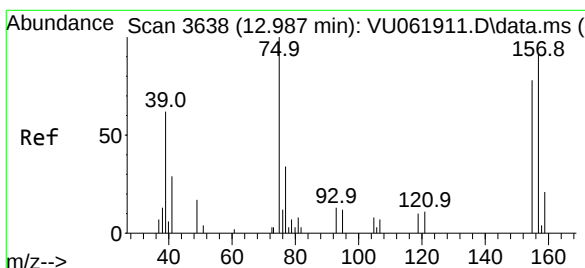
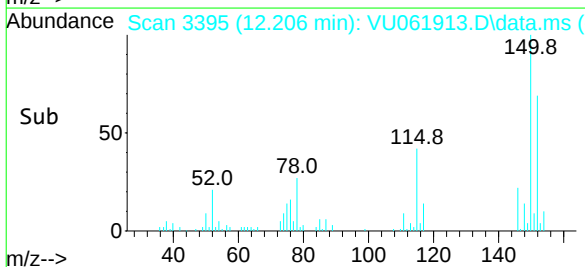
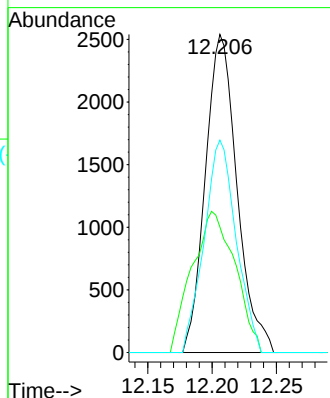
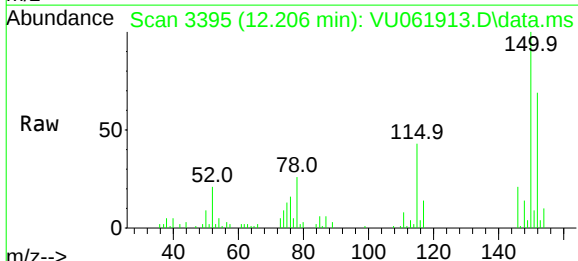
ClientSampleId :

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Tgt Ion:	146	Resp:	4349
Ion	Ratio	Lower	Upper
146	100		
111	39.4	36.0	54.0
148	66.8	52.3	78.5

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#68

1,2-Dibromo-3-chloropropane

Concen: 0.111 ug/L

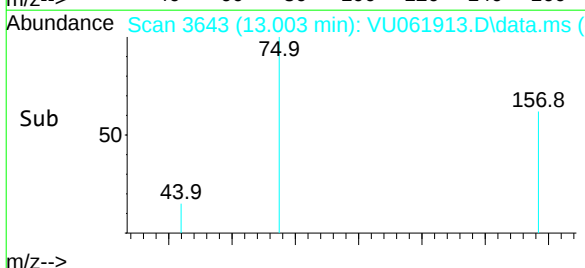
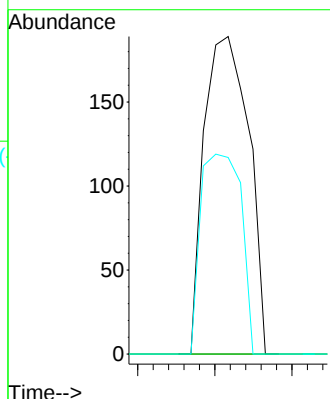
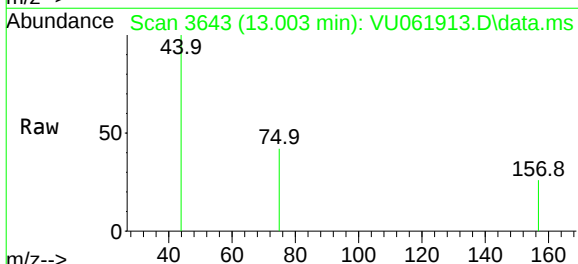
RT: 13.003 min Scan# 3643

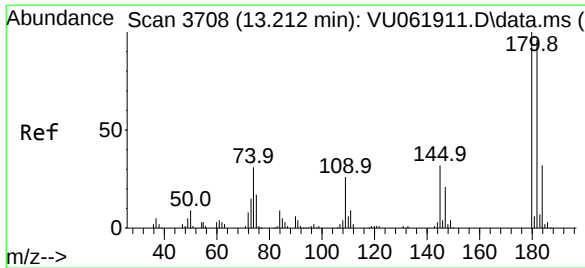
Delta R.T. 0.016 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

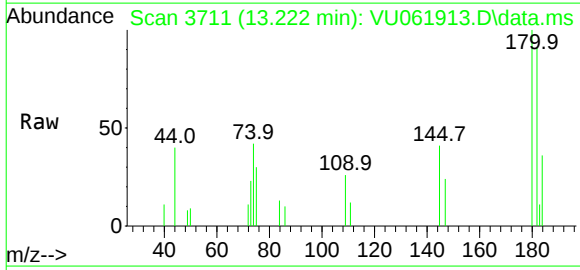
Tgt Ion:	75	Resp:	152
Ion	Ratio	Lower	Upper
75	100		
155	0.0	55.2	82.8#
157	61.9	73.5	110.3#





#69
1,3,5-Trichlorobenzene
Concen: 0.190 ug/L
RT: 13.222 min Scan# 3711
Delta R.T. 0.010 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

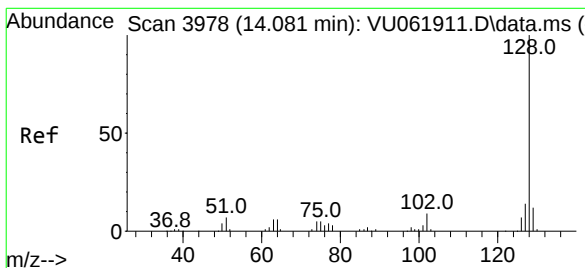
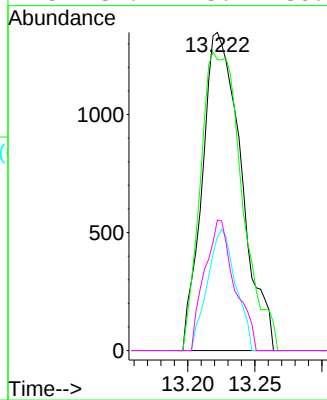
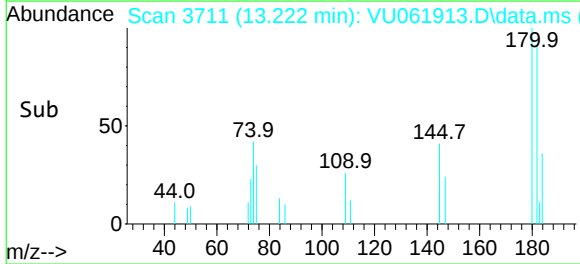
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-07



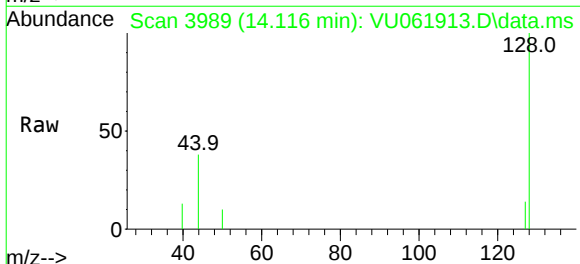
Tgt Ion:	180	Resp:	2724
Ion Ratio	Lower	Upper	
180	100		
182	99.7	76.7	115.1
184	27.5	24.8	37.2
145	31.7	25.4	38.0

Manual Integrations
APPROVED

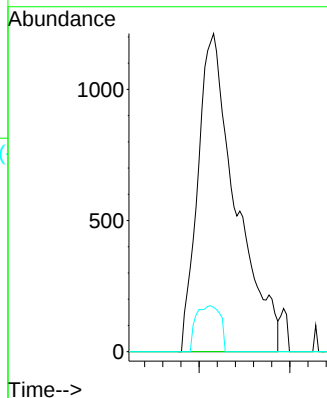
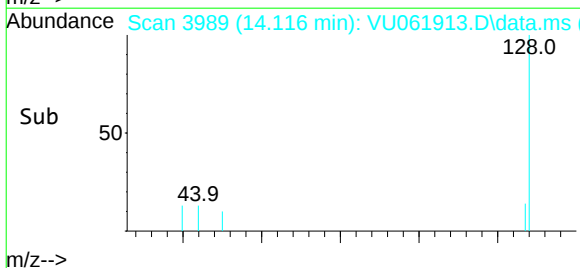
Reviewed By :Mahesh Dadoda 11/25/2024
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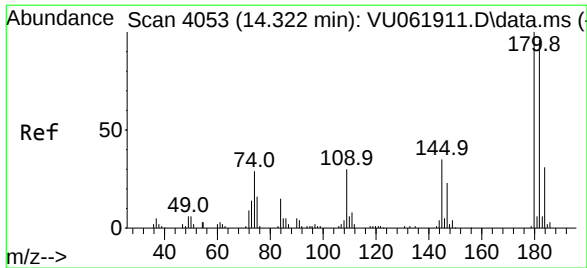


#71
Naphthalene
Concen: 0.199 ug/L
RT: 14.116 min Scan# 3989
Delta R.T. 0.035 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49



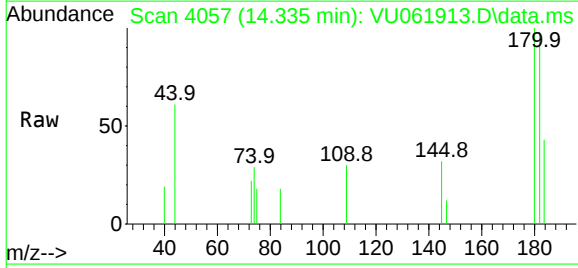
Tgt Ion:	128	Resp:	3529
Ion Ratio	Lower	Upper	
128	100		
129	0.0	8.5	12.7#
127	9.2	10.2	15.4#





#72
1,2,3-Trichlorobenzene
Concen: 0.228 ug/L
RT: 14.335 min Scan# 4053
Delta R.T. 0.013 min
Lab File: VU061913.D
Acq: 21 Nov 2024 12:49

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



Tgt Ion:	180	Resp:	2162
Ion Ratio	Lower	Upper	
180	100		
182	85.4	76.1	114.1
145	24.6	27.4	41.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

