

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052524\
 Data File : VU058992.D
 Acq On : 25 May 2024 12:29
 Operator : MD/SY
 Sample : P2409-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2024-04

Quant Time: May 27 05:41:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 27 04:10:55 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2024
 Supervised By :Semsettin Yesilyurt 05/30/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	127082	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	125778	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	54839	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	64393	47.909	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.820%		
7) Chloroethane-d5	1.888	69	55027	49.262	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.520%		
11) 1,1-Dichloroethene-d2	2.554	63	81192	39.539	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.080%		
21) 2-Butanone-d5	4.608	46	111536	120.809	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	120.810%		
24) Chloroform-d	5.052	84	116019	50.324	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.640%		
26) 1,2-Dichloroethane-d4	5.692	65	78070	55.371	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	110.740%		
32) Benzene-d6	5.718	84	229201	53.451	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	106.900%		
36) 1,2-Dichloropropane-d6	6.682	67	78621	55.511	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	111.020%		
41) Toluene-d8	7.891	98	188054	48.927	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.860%		
43) trans-1,3-Dichloroprop...	8.171	79	30797	48.425	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.860%		
47) 2-Hexanone-d5	8.624	63	65086	111.112	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	111.110%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	113405	53.224	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	106.440%		
66) 1,2-Dichlorobenzene-d4	12.187	152	61505	54.355	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	2300	2.705	ug/L	100
3) Chloromethane	1.515	50	3234	3.550	ug/L	87
5) Vinyl chloride	1.599	62	2908	2.733	ug/L #	53
6) Bromomethane	1.824	94	2443	3.874	ug/L	90
8) Chloroethane	1.911	64	2051	2.811	ug/L	92
9) Trichlorofluoromethane	2.123	101	4053	2.801	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	3203	3.256	ug/L #	80
12) 1,1-Dichloroethene	2.567	96	2728	3.465	ug/L #	1
13) Acetone	2.621	43	5481	6.733	ug/L	96
14) Carbon disulfide	2.782	76	5050	3.409	ug/L #	94
15) Methyl Acetate	2.943	43	4578m	3.490	ug/L	
16) Methylene chloride	3.033	84	4679	3.726	ug/L	94
17) trans-1,2-Dichloroethene	3.342	96	2062	2.607	ug/L	92
18) Methyl tert-butyl Ether	3.354	73	8705	2.781	ug/L	96
19) 1,1-Dichloroethane	3.856	63	5983m	2.970	ug/L	
20) cis-1,2-Dichloroethene	4.663	96	2861	2.733	ug/L	95
22) 2-Butanone	4.708	43	6578m	6.204	ug/L	
23) Bromochloromethane	4.972	128	1270	2.327	ug/L #	78
27) 1,2-Dichloroethane	5.792	62	5316	3.274	ug/L #	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.380	56	2631	2.458	ug/L	93
30) 1,1,1-Trichloroethane	5.306	97	4672	3.095	ug/L	95
31) Carbon tetrachloride	5.518	117	3264	2.677	ug/L #	52
34) Trichloroethene	6.538	95	3298	3.286	ug/L	88
35) Methylcyclohexane	6.756	83	3031	2.577	ug/L	95
37) 1,2-Dichloropropane	6.782	63	4003	3.257	ug/L #	98
38) Bromodichloromethane	7.100	83	4505	2.950	ug/L	82
39) cis-1,3-Dichloropropene	7.602	75	4502	2.660	ug/L	93
40) 4-Methyl-2-pentanone	7.788	43	10010	5.714	ug/L #	96
42) Toluene	7.968	91	10485	2.587	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	4344	2.711	ug/L	91
45) 1,1,2-Trichloroethane	8.396	97	3414	2.814	ug/L	91
46) Tetrachloroethene	8.547	164	1668	2.493	ug/L	80
48) 2-Hexanone	8.679	43	13076	9.065	ug/L #	85
49) Dibromochloromethane	8.804	129	3084	2.660	ug/L	85
50) 1,2-Dibromoethane	8.917	107	3314	2.859	ug/L #	99
51) Chlorobenzene	9.444	112	7704	2.876	ug/L	96
52) Ethylbenzene	9.566	91	10831	2.469	ug/L	97
53) m,p-Xylene	9.692	106	3699	2.348	ug/L	95
54) o-Xylene	10.094	106	3575	2.267	ug/L	93
55) Styrene	10.116	104	5222	1.854	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.775	83	7111	3.252	ug/L	97
59) Bromoform	10.287	173	2252	3.098	ug/L #	83
60) 1,2,3-Trichloropropane	10.814	75	5590	4.006	ug/L	90
61) Isopropylbenzene	10.480	105	9571	2.733	ug/L	95
62) 1,3,5-Trimethylbenzene	11.084	105	6324	2.292	ug/L	93
63) 1,2,4-Trimethylbenzene	11.467	105	7006	2.518	ug/L	89
64) 1,3-Dichlorobenzene	11.743	146	4703	2.587	ug/L	90
65) 1,4-Dichlorobenzene	11.830	146	5102	2.778	ug/L	90
67) 1,2-Dichlorobenzene	12.206	146	5418	2.930	ug/L #	93
68) 1,2-Dibromo-3-chloropr...	12.994	75	1232	3.263	ug/L #	87
69) 1,3,5-Trichlorobenzene	13.222	180	2922	2.282	ug/L	91
70) 1,2,4-trichlorobenzene	13.843	180	2315	2.099	ug/L #	92
71) Naphthalene	14.094	128	7296m	2.268	ug/L	
72) 1,2,3-Trichlorobenzene	14.328	180	2522	2.232	ug/L #	88

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

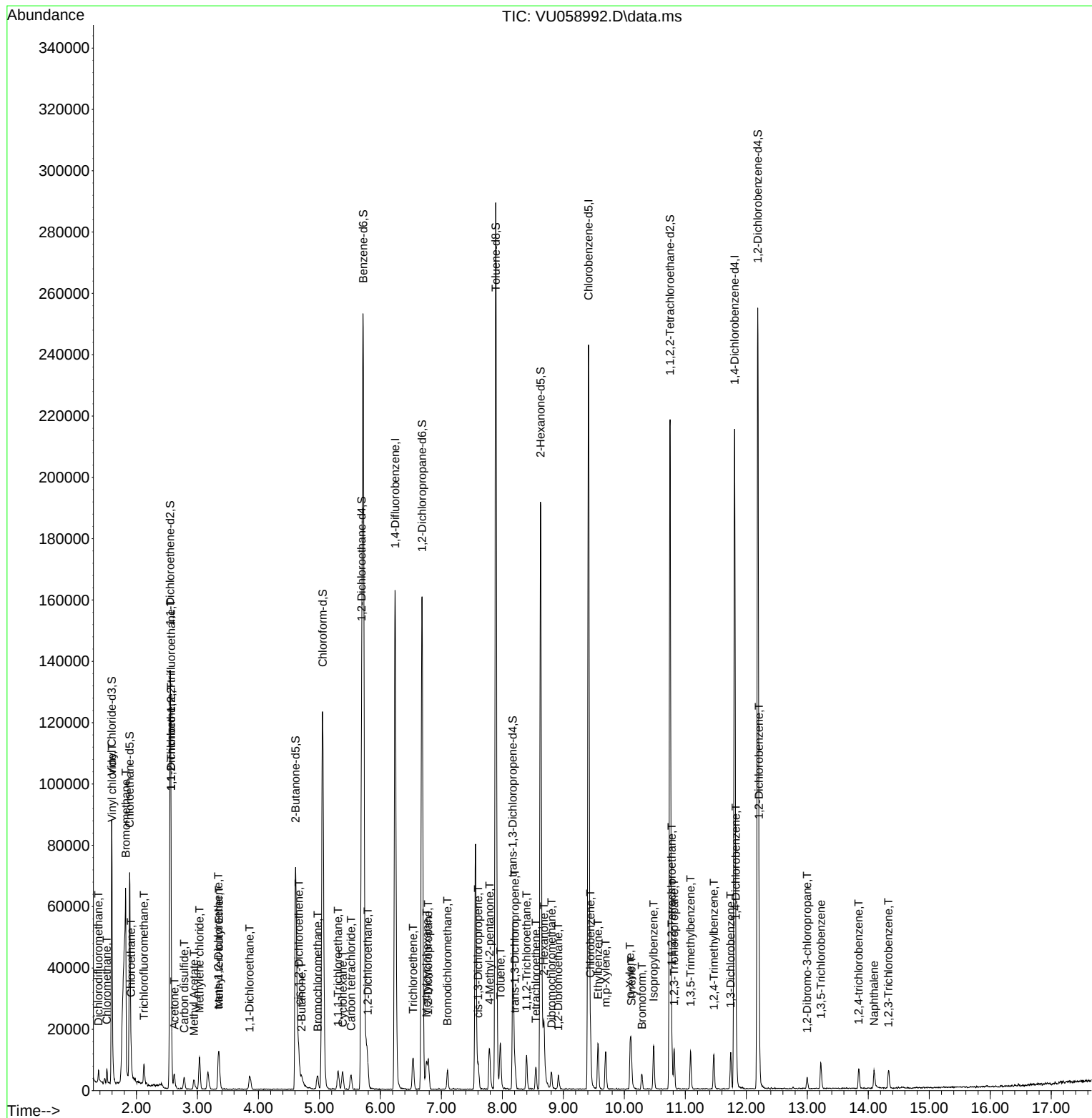
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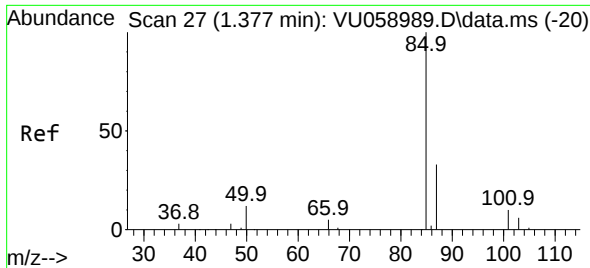
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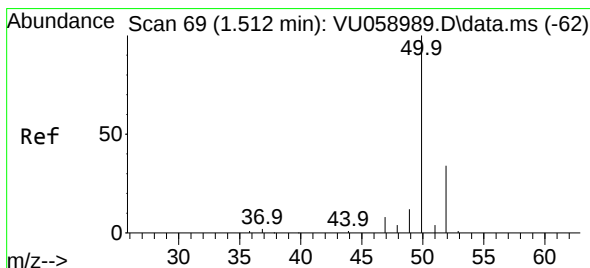
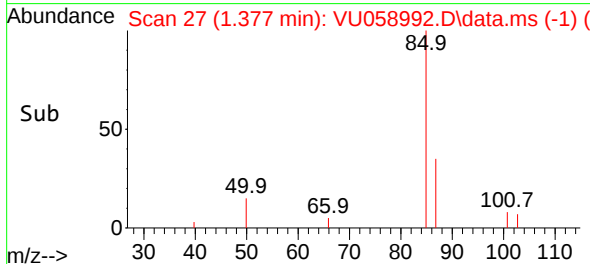
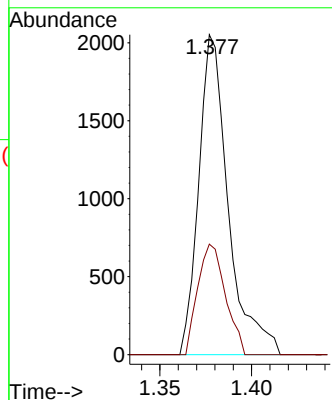
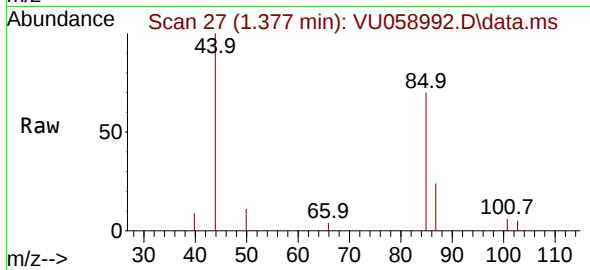
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Dichlorodifluoromethane
Concen: 2.705 ug/L
RT: 1.377 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-04

Tgt Ion: 85 Resp: 2300
Ion Ratio Lower Upper
85 100
87 32.3 25.7 38.5

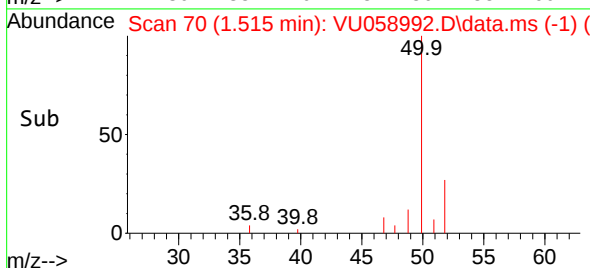
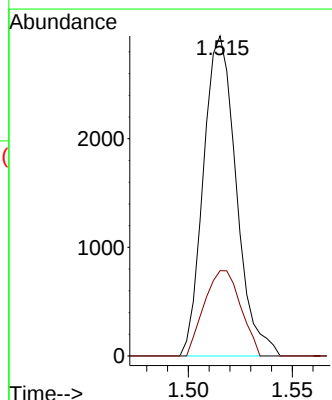
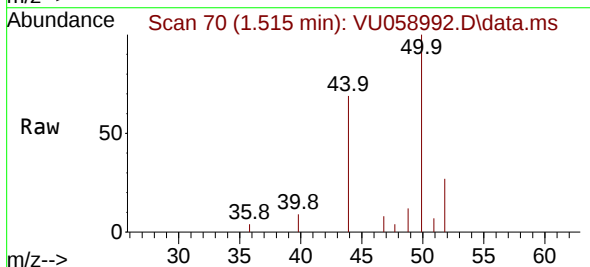
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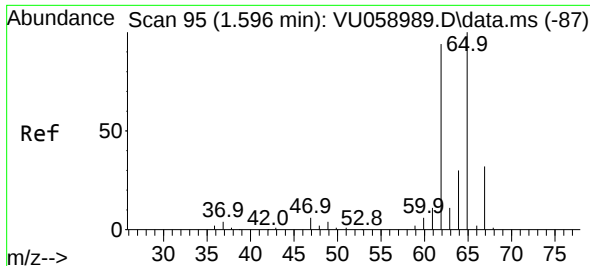
Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024



#3
Chloromethane
Concen: 3.550 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

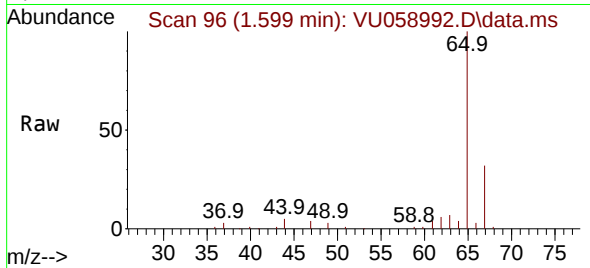
Tgt Ion: 50 Resp: 3234
Ion Ratio Lower Upper
50 100
52 26.7 23.9 44.3





#5
 Vinyl chloride
 Concen: 2.733 ug/L
 RT: 1.599 min Scan# 95
 Delta R.T. 0.003 min
 Lab File: VU058992.D
 Acq: 25 May 2024 12:29

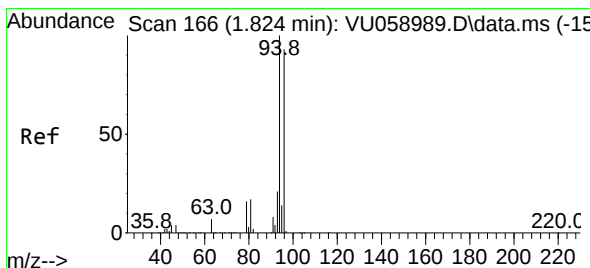
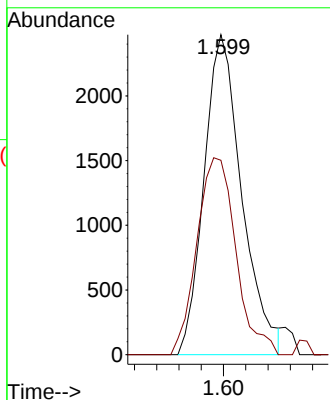
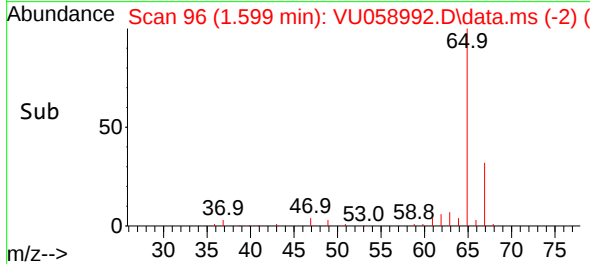
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2024-04



Tgt Ion: 62 Resp: 2908
 Ion Ratio Lower Upper
 62 100
 64 60.7 23.7 43.9

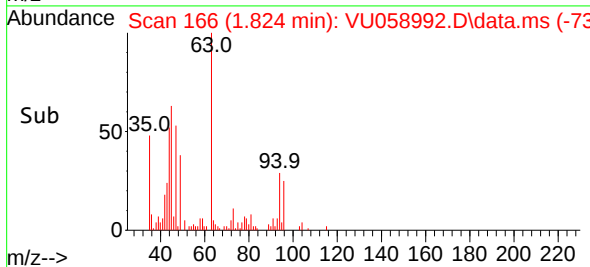
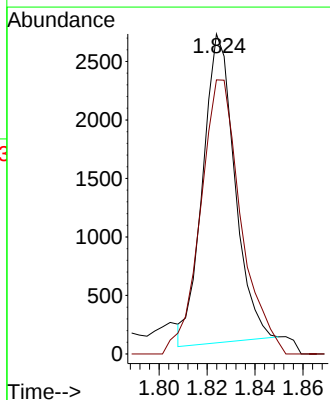
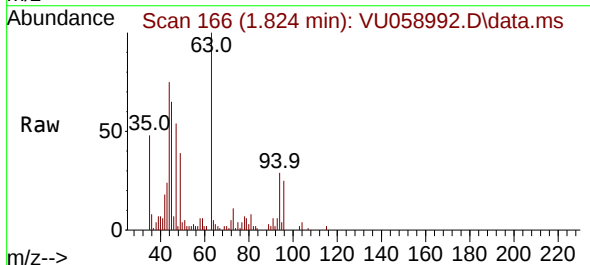
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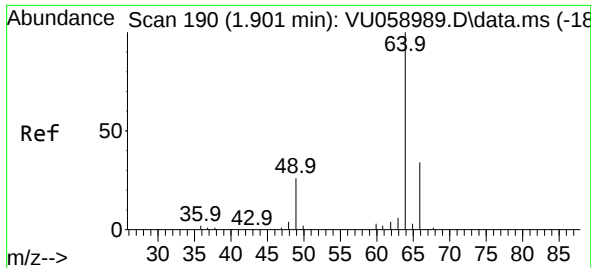
Reviewed By :Mahesh Dadoda 05/30/2024
 Supervised By :Semsettin Yesilyurt 05/30/2024



#6
 Bromomethane
 Concen: 3.874 ug/L
 RT: 1.824 min Scan# 166
 Delta R.T. 0.000 min
 Lab File: VU058992.D
 Acq: 25 May 2024 12:29

Tgt Ion: 94 Resp: 2443
 Ion Ratio Lower Upper
 94 100
 96 85.7 66.6 123.6





#8

Chloroethane

Concen: 2.811 ug/L

RT: 1.911 min Scan# 190

Delta R.T. 0.010 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

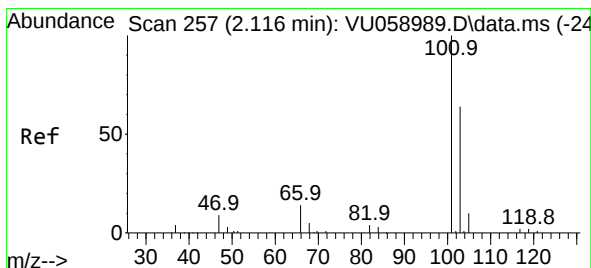
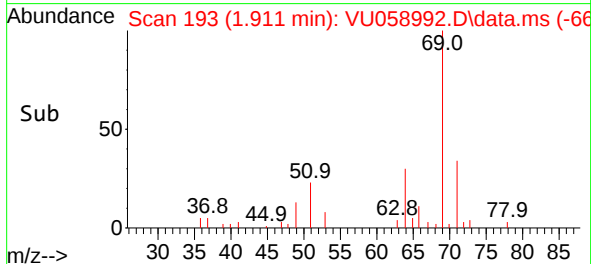
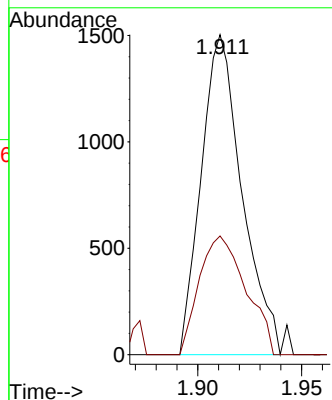
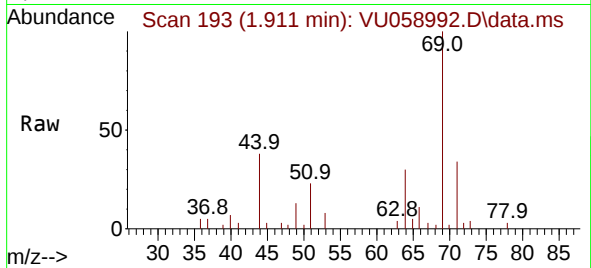
ClientSampleId :

MDL-WATER-QT2-2024-04

Tgt Ion: 64 Resp: 2053
 Ion Ratio Lower Upper
 64 100
 66 37.1 22.7 42.1

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#9

Trichlorofluoromethane

Concen: 2.801 ug/L

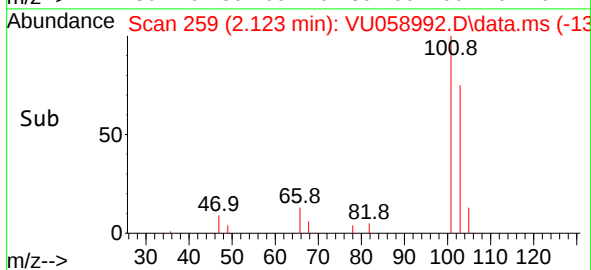
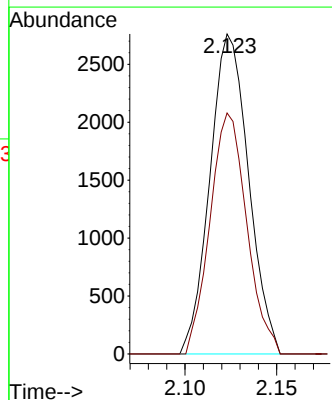
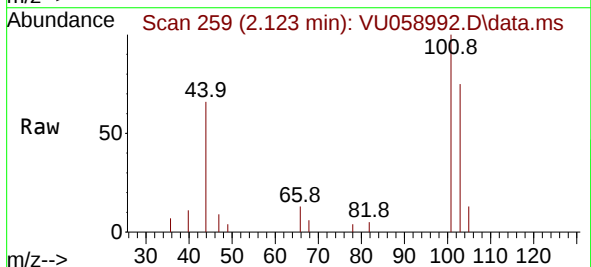
RT: 2.123 min Scan# 259

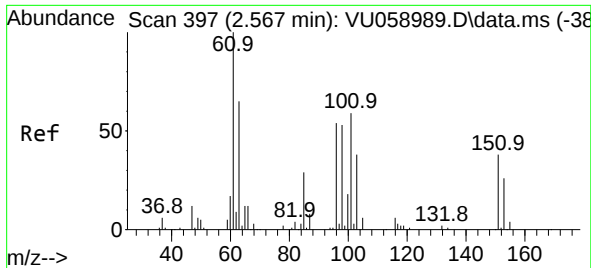
Delta R.T. 0.007 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Tgt Ion:101 Resp: 4053
 Ion Ratio Lower Upper
 101 100
 103 71.5 51.6 77.4





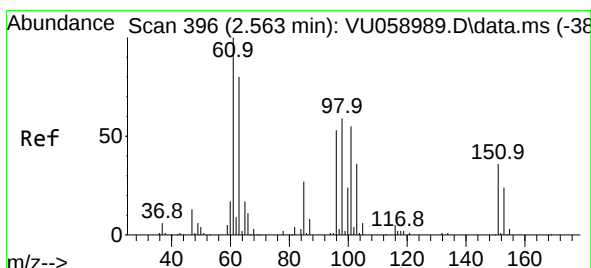
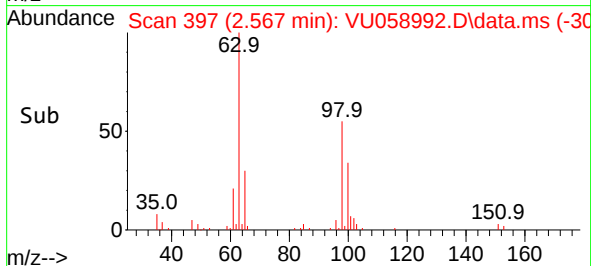
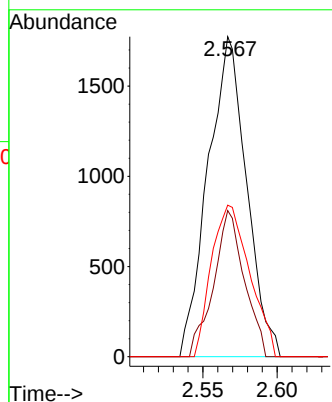
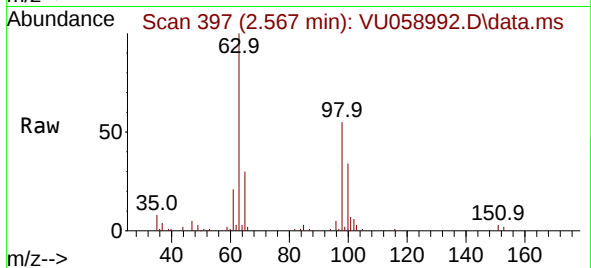
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.256 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
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Tgt Ion:101 Resp: 320
Ion Ratio Lower Upper
101 100
85 36.4 34.9 52.3
151 46.9 54.5 81.7

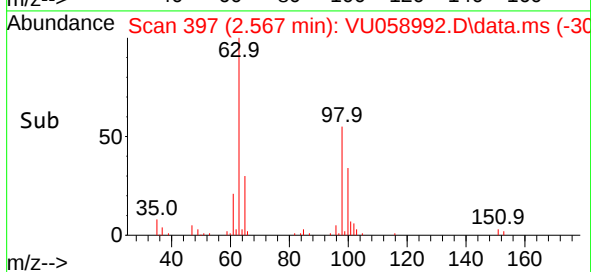
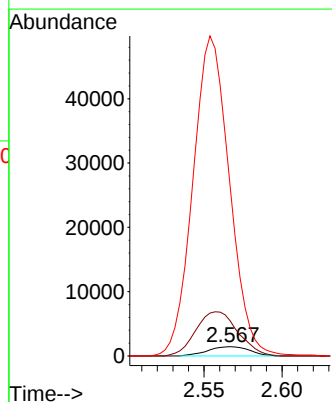
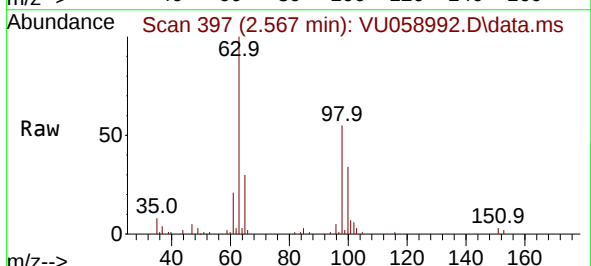
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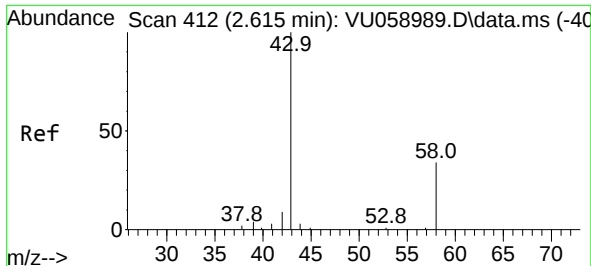
Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024



#12
1,1-Dichloroethene
Concen: 3.465 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Tgt Ion: 96 Resp: 2728
Ion Ratio Lower Upper
96 100
61 377.6 122.2 227.0#
63 1820.5 102.8 190.8#





#13

Acetone

Concen: 6.733 ug/L

RT: 2.621 min Scan# 41

Delta R.T. 0.007 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2024-04

Tgt Ion: 43 Resp: 548

Ion Ratio Lower Upper

43 100

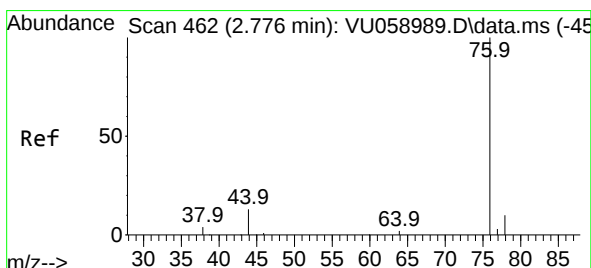
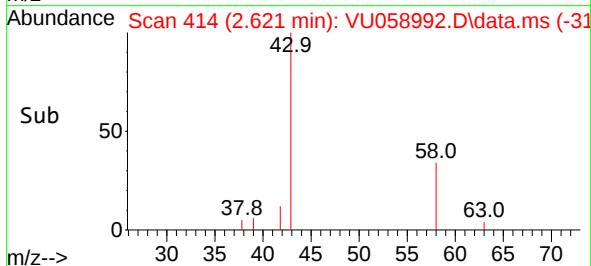
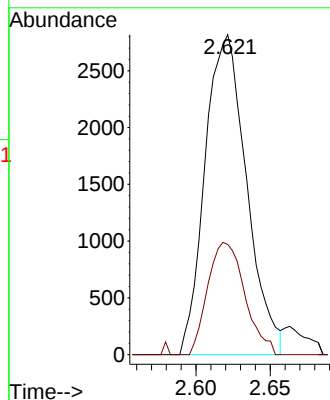
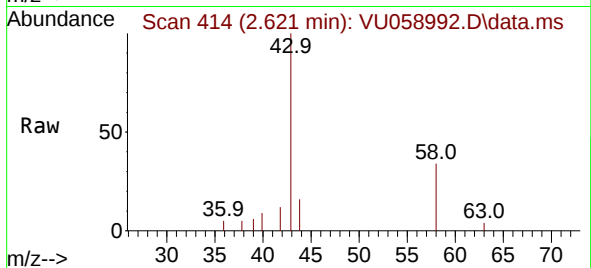
58 31.3 0.0 67.2

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#14

Carbon disulfide

Concen: 3.409 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.006 min

Lab File: VU058992.D

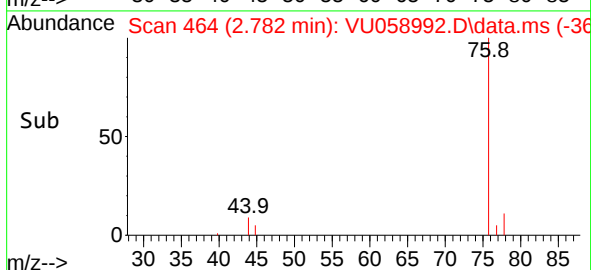
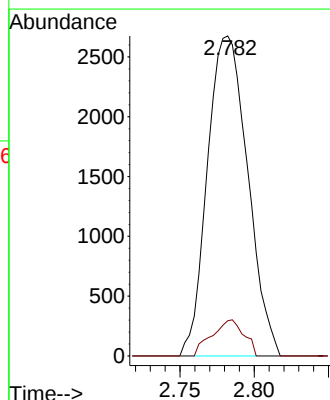
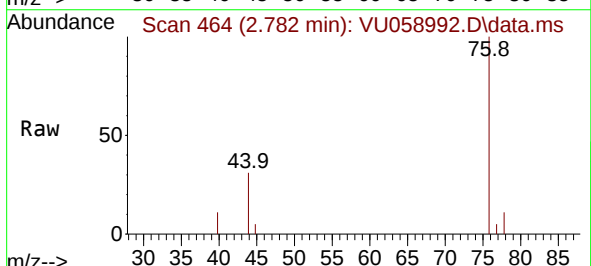
Acq: 25 May 2024 12:29

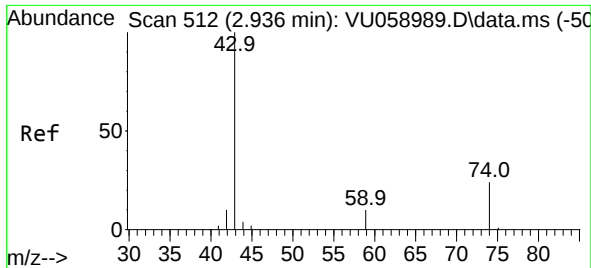
Tgt Ion: 76 Resp: 5050

Ion Ratio Lower Upper

76 100

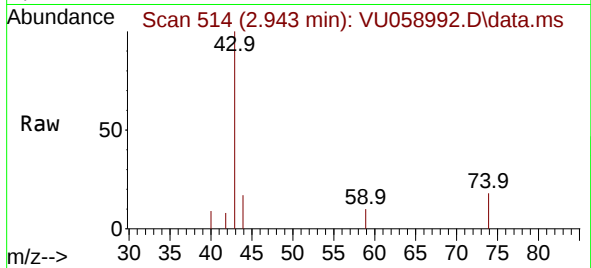
78 11.0 7.1 10.7#





#15
Methyl Acetate
Concen: 3.490 ug/L m
RT: 2.943 min Scan# 512
Delta R.T. 0.006 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

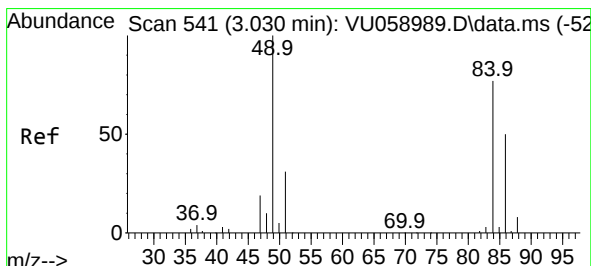
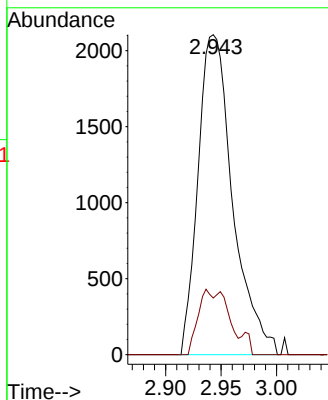
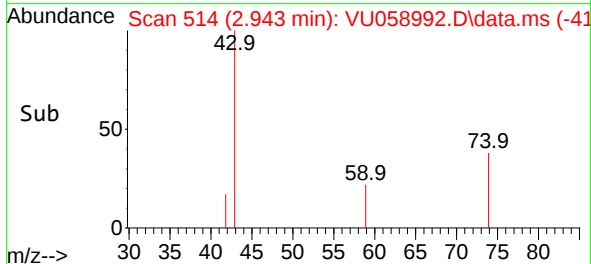
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion: 43 Resp: 4578
Ion Ratio Lower Upper
43 100
74 1.7 19.8 29.8

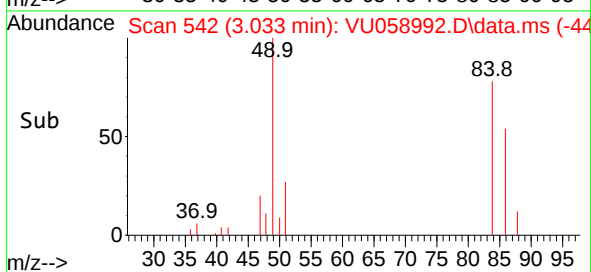
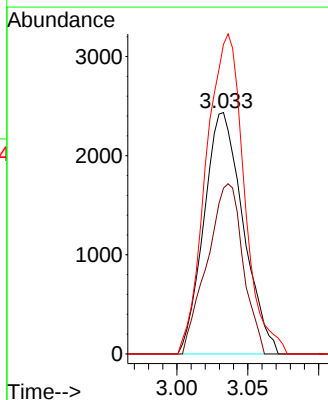
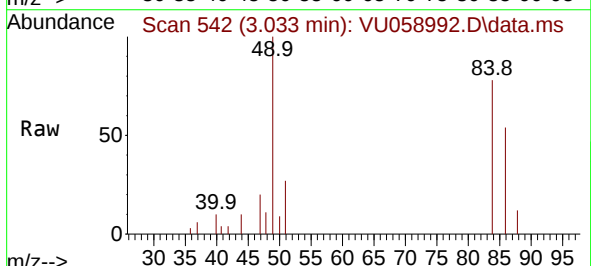
Manual Integrations
APPROVED

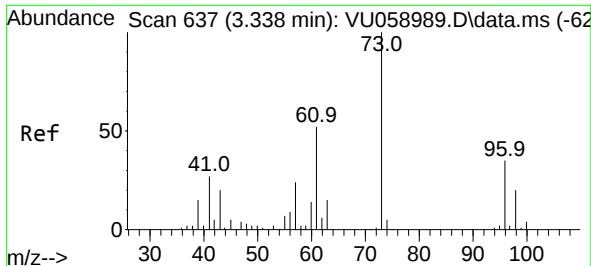
Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024



#16
Methylene chloride
Concen: 3.726 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Tgt Ion: 84 Resp: 4679
Ion Ratio Lower Upper
84 100
86 68.7 44.9 83.5
49 128.3 85.4 158.6





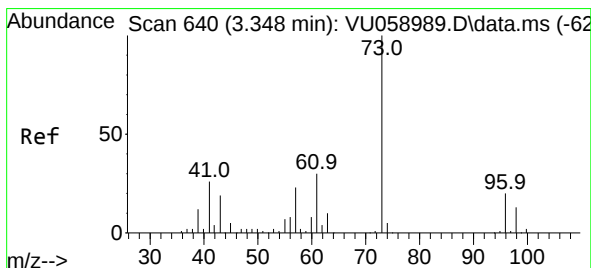
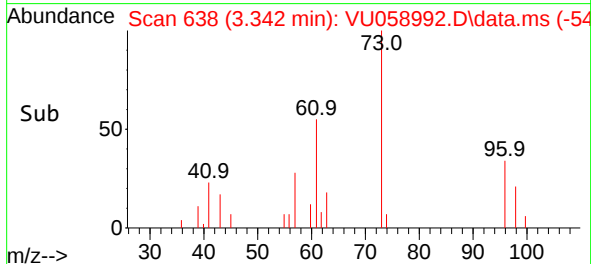
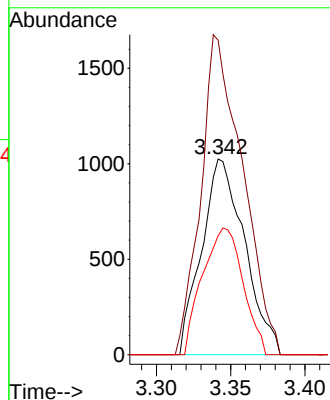
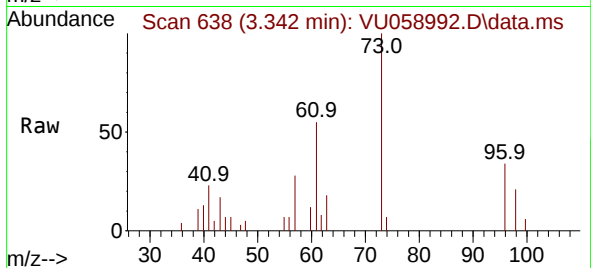
#17
trans-1,2-Dichloroethene
Concen: 2.607 ug/L
RT: 3.342 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-04

Tgt Ion: 96 Resp: 206
Ion Ratio Lower Upper
96 100
61 160.7 103.5 192.1
98 60.8 44.9 83.3

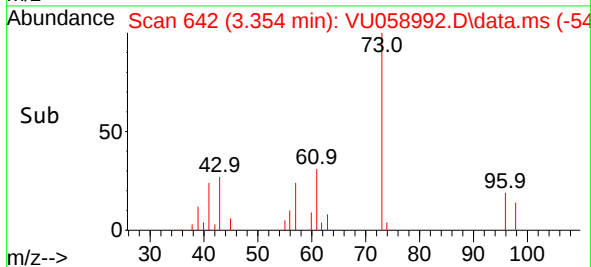
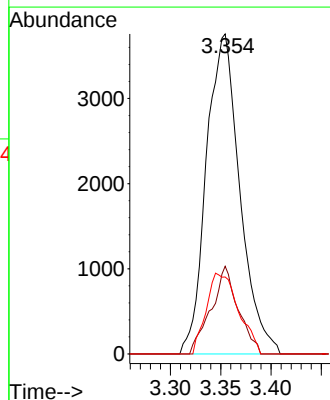
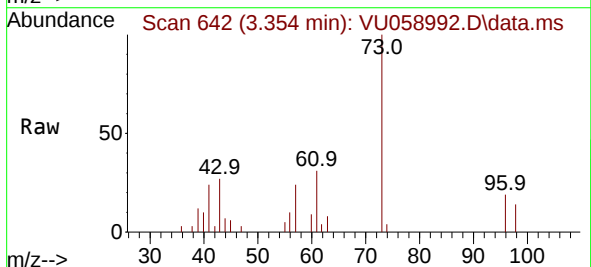
Manual Integrations
APPROVED

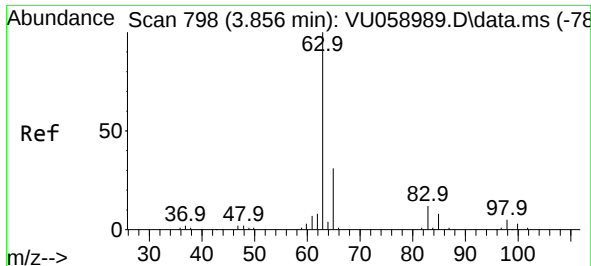
Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024



#18
Methyl tert-butyl Ether
Concen: 2.781 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.006 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

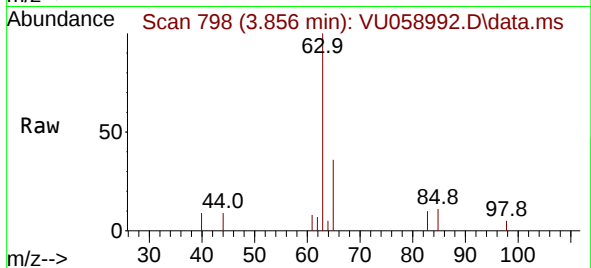
Tgt Ion: 73 Resp: 8705
Ion Ratio Lower Upper
73 100
43 22.1 15.4 23.2
57 24.1 18.6 27.8





#19
1,1-Dichloroethane
Concen: 2.970 ug/L m
RT: 3.856 min Scan# 798
Delta R.T. 0.000 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

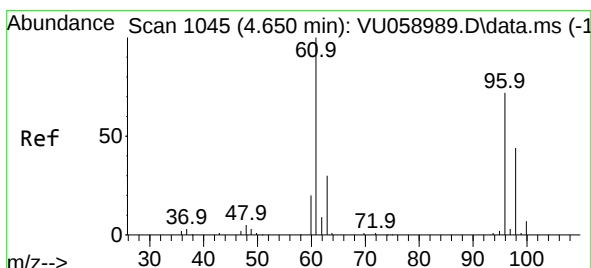
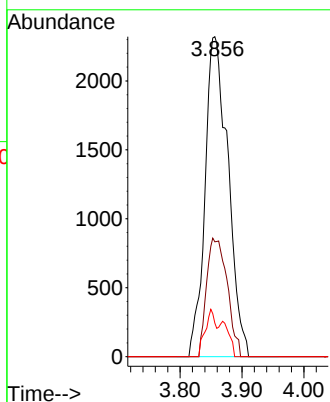
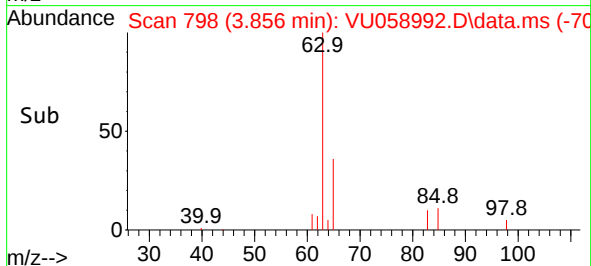
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-04



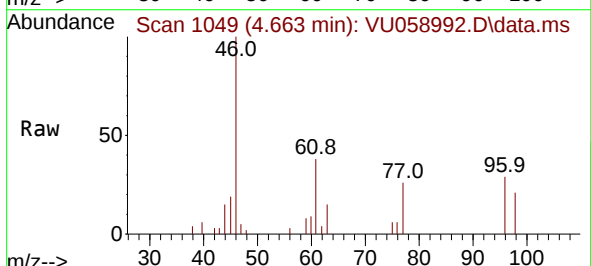
Tgt Ion: 63 Resp: 598
Ion Ratio Lower Upper
63 100
65 35.9 22.3 41.3
83 10.5 8.5 15.9

Manual Integrations
APPROVED

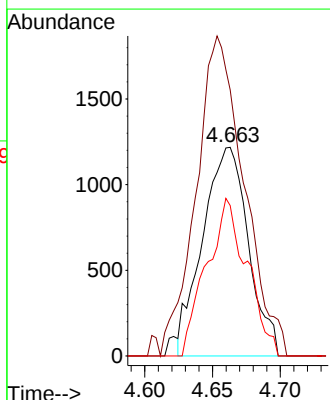
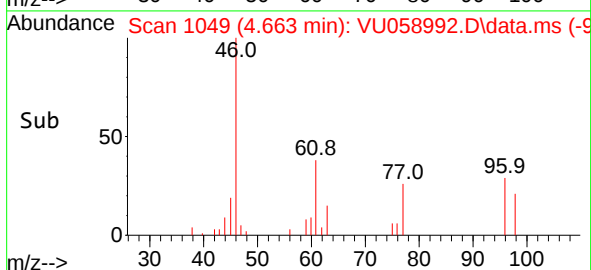
Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024

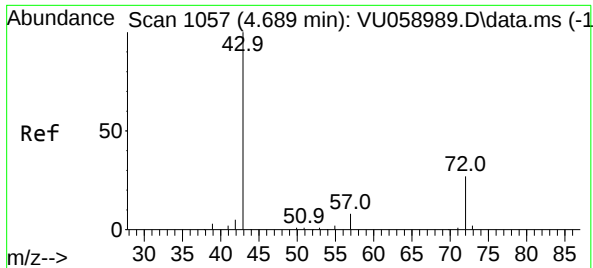


#20
cis-1,2-Dichloroethene
Concen: 2.733 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.013 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29



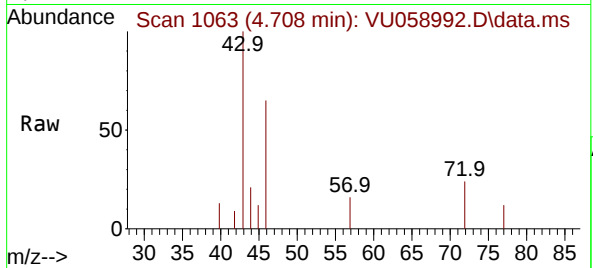
Tgt Ion: 96 Resp: 2861
Ion Ratio Lower Upper
96 100
61 127.5 91.1 169.3
98 72.1 44.4 82.4





#22
2-Butanone
Concen: 6.204 ug/L m
RT: 4.708 min Scan# 1063
Delta R.T. 0.019 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

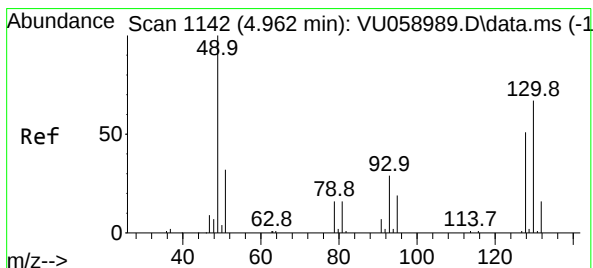
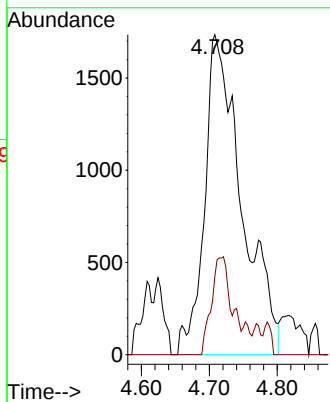
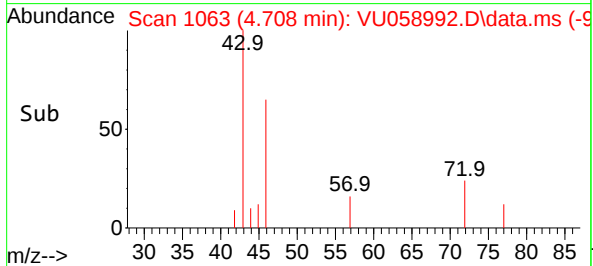
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion: 43 Resp: 6578
Ion Ratio Lower Upper
43 100
72 1.2 13.9 41.75

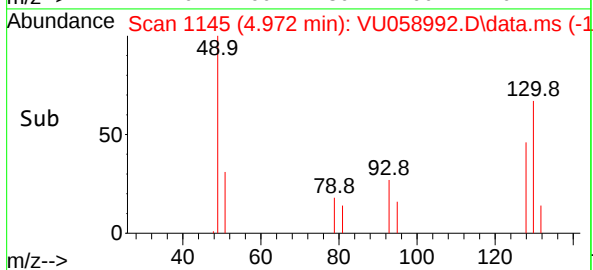
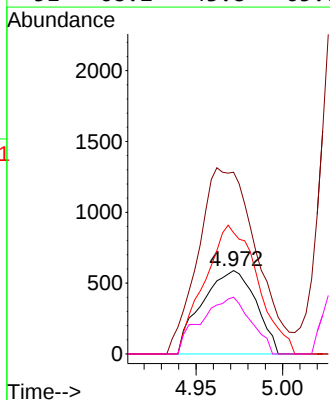
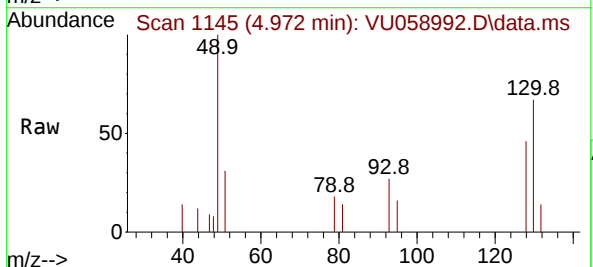
Manual Integrations
APPROVED

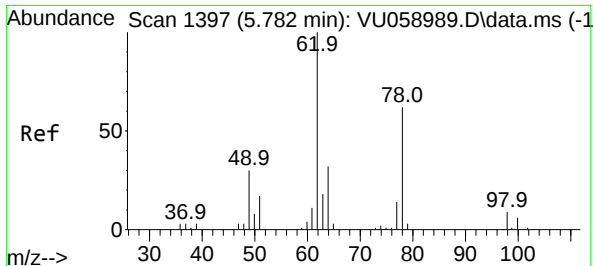
Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024



#23
Bromochloromethane
Concen: 2.327 ug/L
RT: 4.972 min Scan# 1145
Delta R.T. 0.010 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Tgt Ion:128 Resp: 1270
Ion Ratio Lower Upper
128 100
49 218.2 123.8 229.8
130 145.6 90.6 168.2
51 68.2 43.8 65.6#





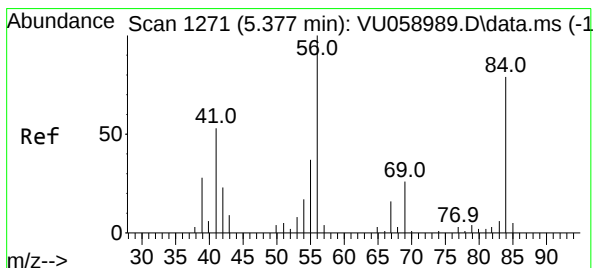
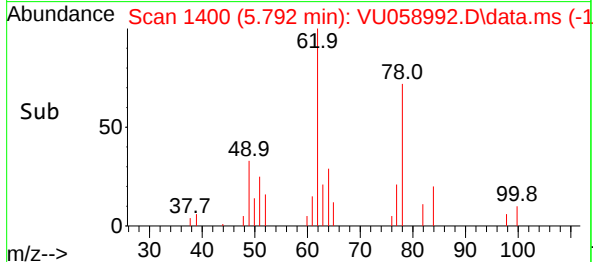
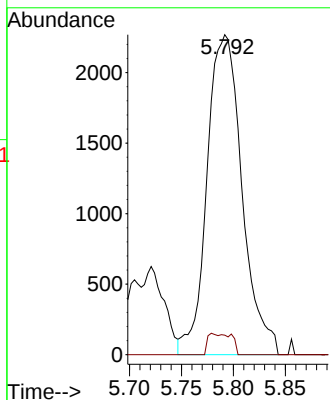
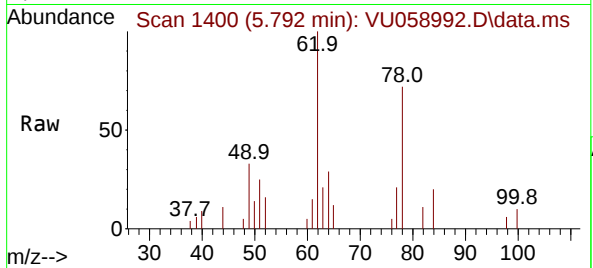
#27
1,2-Dichloroethane
Concen: 3.274 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. 0.010 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-04

Tgt Ion: 62 Resp: 5310
Ion Ratio Lower Upper
62 100
98 6.1 7.0 10.4

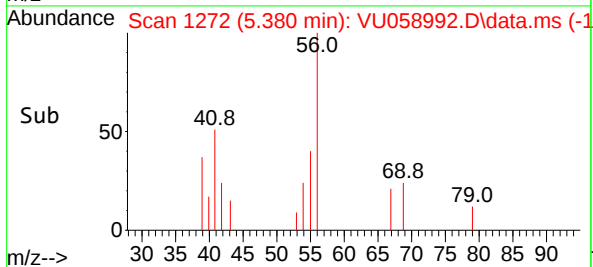
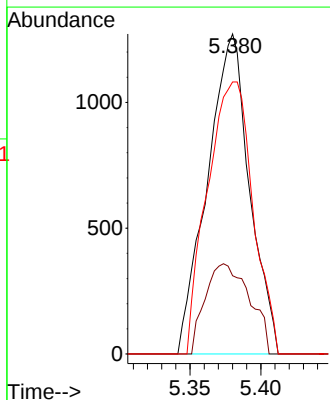
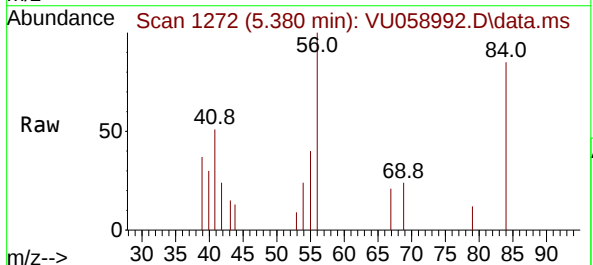
Manual Integrations
APPROVED

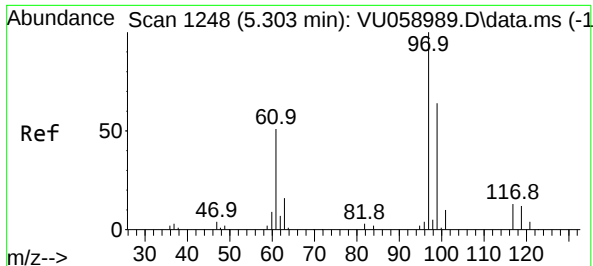
Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024



#29
Cyclohexane
Concen: 2.458 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

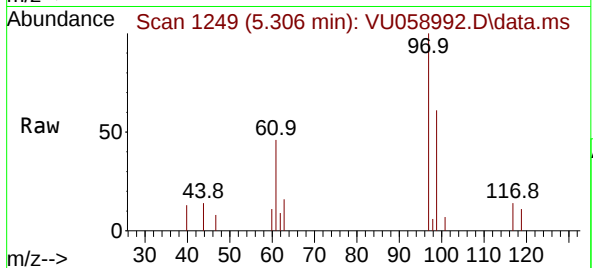
Tgt Ion: 56 Resp: 2631
Ion Ratio Lower Upper
56 100
69 29.8 24.3 36.5
84 91.7 66.7 100.1





#30
1,1,1-Trichloroethane
Concen: 3.095 ug/L
RT: 5.306 min Scan# 1315
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

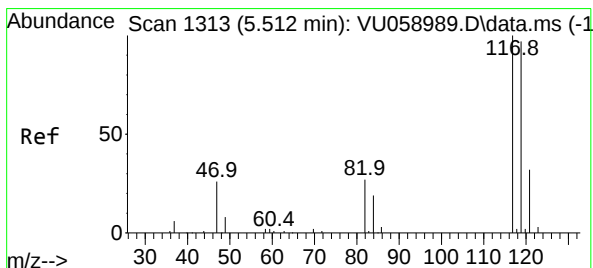
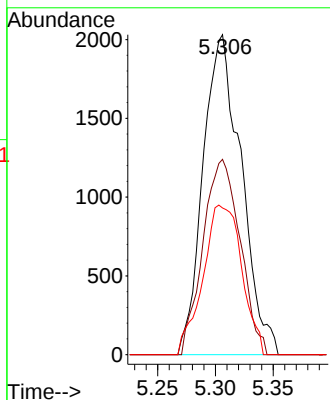
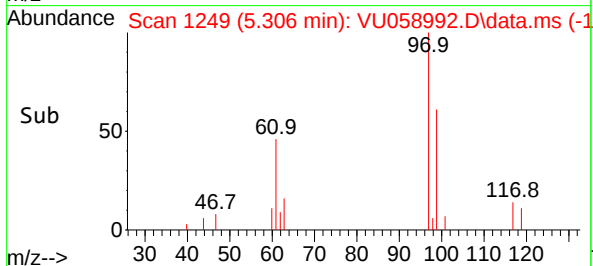
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion: 97 Resp: 4672
Ion Ratio Lower Upper
97 100
99 59.4 51.8 77.8
61 47.5 38.9 58.3

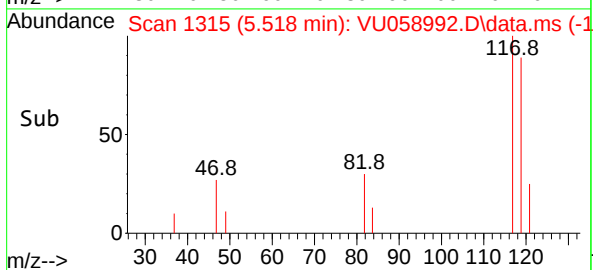
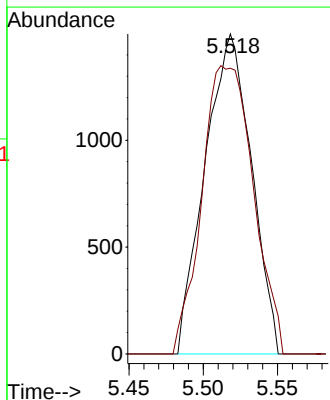
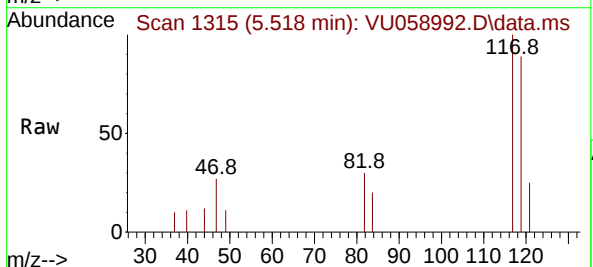
Manual Integrations
APPROVED

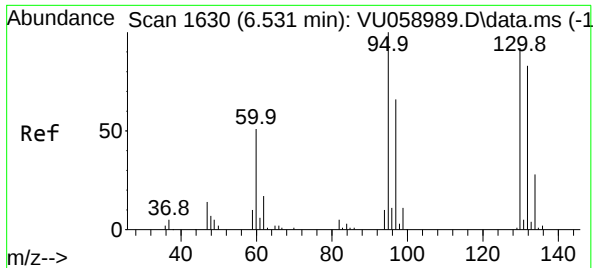
Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024



#31
Carbon tetrachloride
Concen: 2.677 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Tgt Ion:117 Resp: 3264
Ion Ratio Lower Upper
117 100
119 49.6 77.4 116.0#





#34

Trichloroethene

Concen: 3.286 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2024-04

Tgt Ion: 95 Resp: 3298

Ion Ratio Lower Upper

95 100

97 80.4 45.9 85.3

132 81.2 60.5 112.5

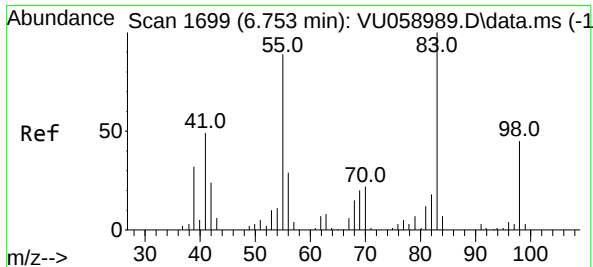
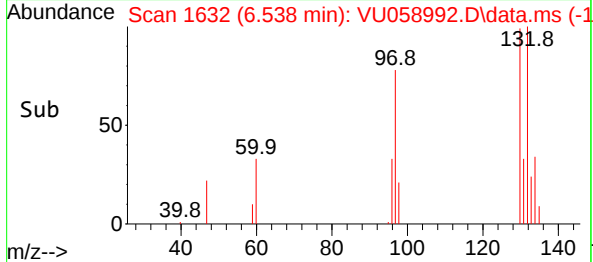
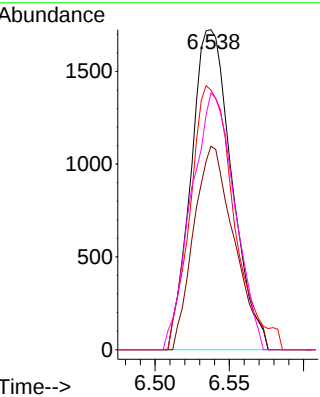
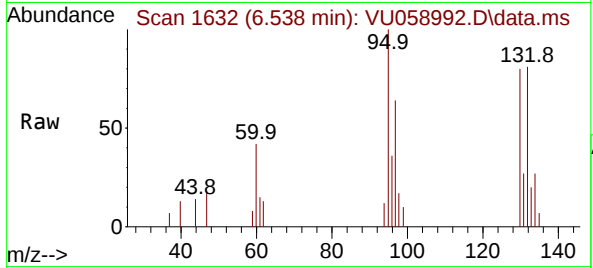
130 80.2 64.0 118.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2024

Supervised By :Semsettin Yesilyurt 05/30/2024



#35

Methylcyclohexane

Concen: 2.577 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

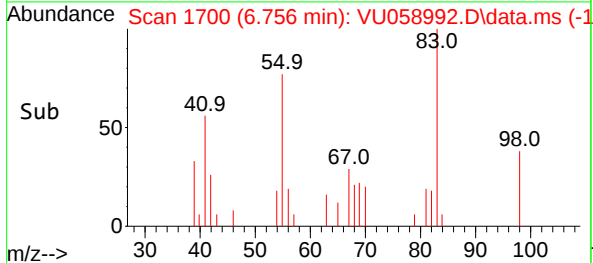
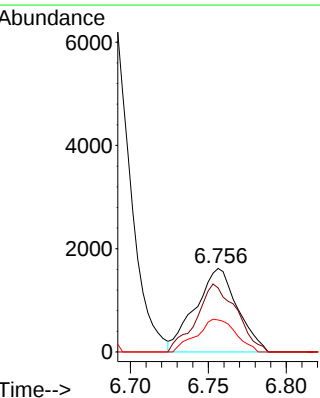
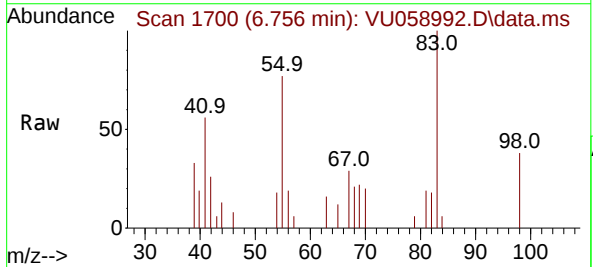
Tgt Ion: 83 Resp: 3031

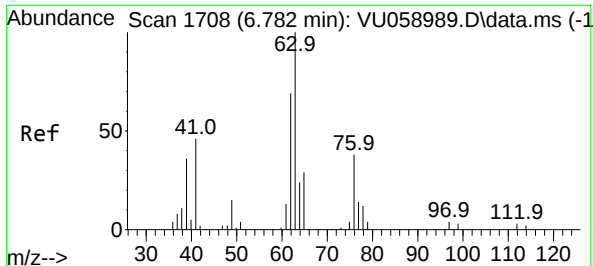
Ion Ratio Lower Upper

83 100

55 77.4 61.5 92.3

98 36.4 36.2 54.2





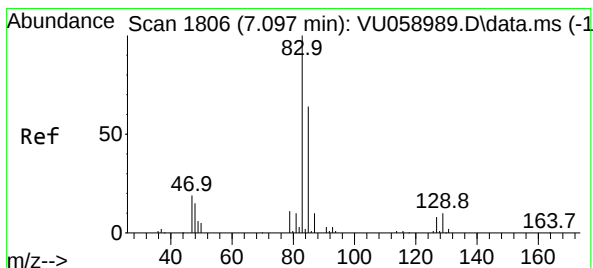
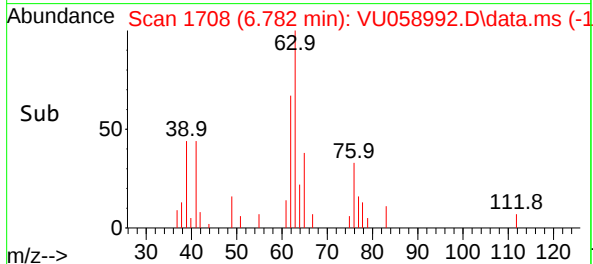
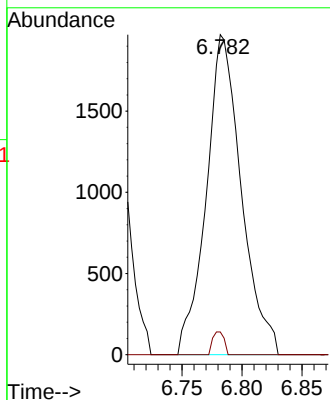
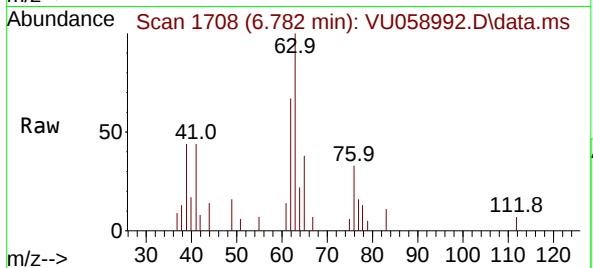
#37
1,2-Dichloropropane
Concen: 3.257 ug/L
RT: 6.782 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2024-04

Tgt Ion: 63 Resp: 400
Ion Ratio Lower Upper
63 100
112 2.3 2.5 3.7

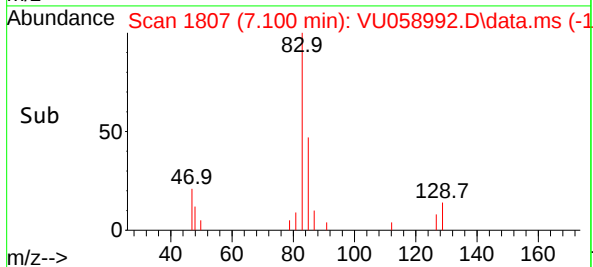
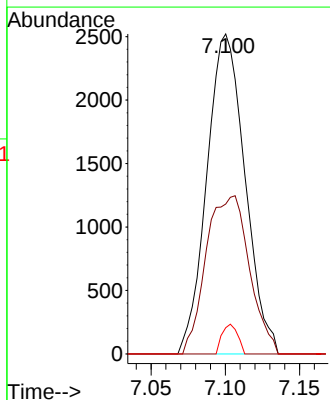
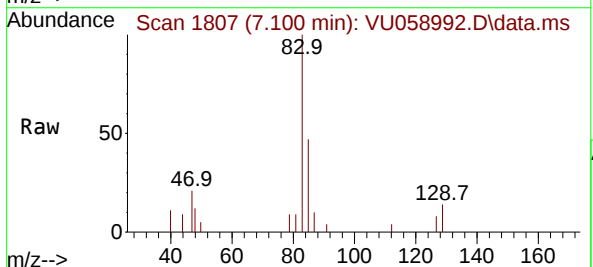
Manual Integrations
APPROVED

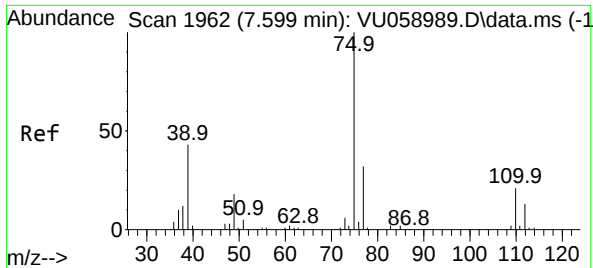
Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024



#38
Bromodichloromethane
Concen: 2.950 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Tgt Ion: 83 Resp: 4505
Ion Ratio Lower Upper
83 100
85 46.8 43.5 80.9
127 8.2 5.8 8.6





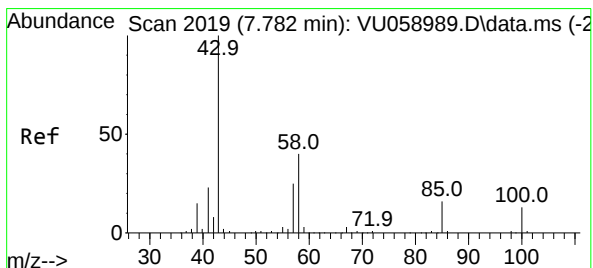
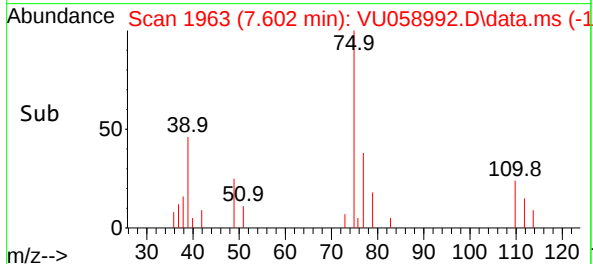
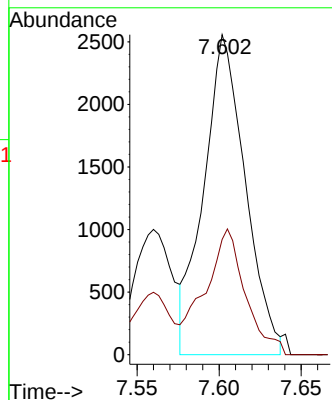
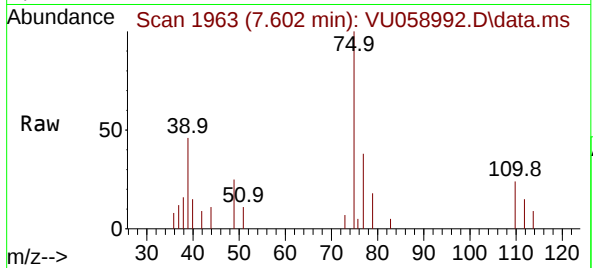
#39
 cis-1,3-Dichloropropene
 Concen: 2.660 ug/L
 RT: 7.602 min Scan# 1962
 Delta R.T. 0.003 min
 Lab File: VU058992.D
 Acq: 25 May 2024 12:29

Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT2-2024-04

Tgt Ion: 75 Resp: 450
 Ion Ratio Lower Upper
 75 100
 77 36.0 22.5 41.7

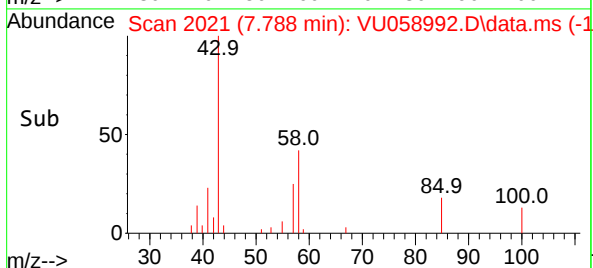
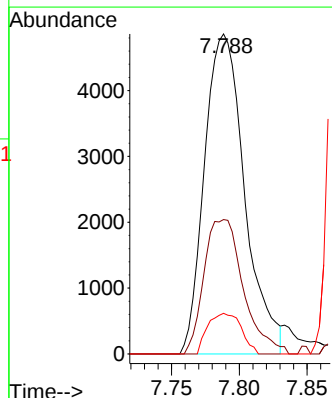
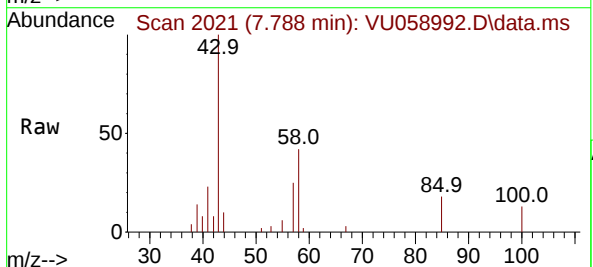
Manual Integrations
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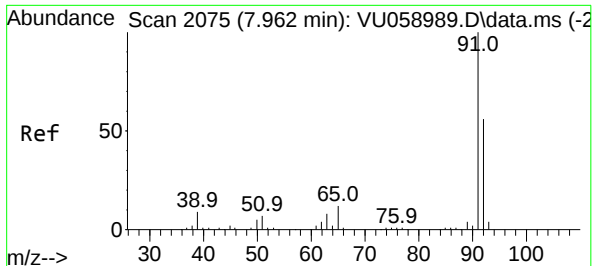
Reviewed By :Mahesh Dadoda 05/30/2024
 Supervised By :Semsettin Yesilyurt 05/30/2024



#40
 4-Methyl-2-pentanone
 Concen: 5.714 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. 0.007 min
 Lab File: VU058992.D
 Acq: 25 May 2024 12:29

Tgt Ion: 43 Resp: 10010
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.5 50.3
 100 10.6 11.8 17.8





#42

Toluene

Concen: 2.587 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.006 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2024-04

Tgt Ion: 91 Resp: 1048

Ion Ratio Lower Upper

91 100

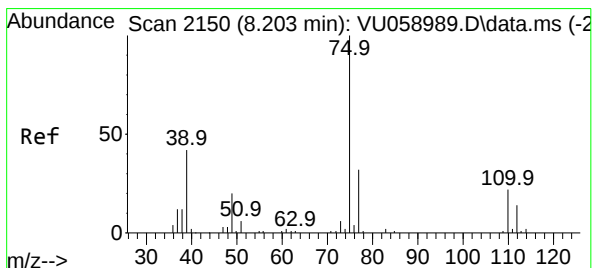
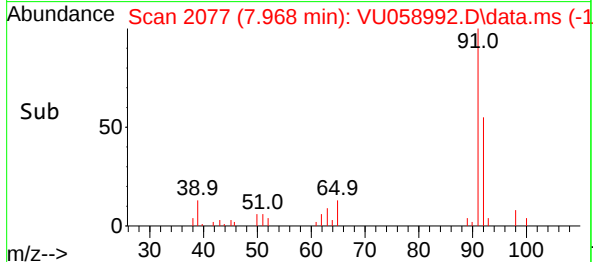
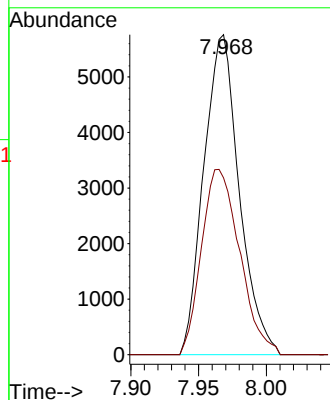
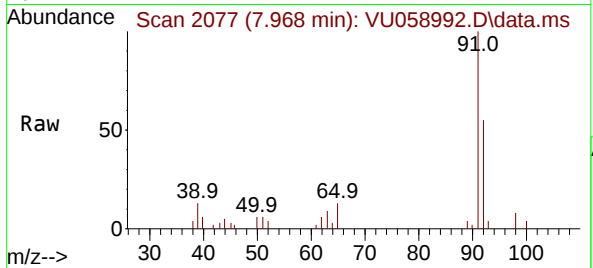
92 55.3 38.7 71.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2024

Supervised By :Semsettin Yesilyurt 05/30/2024



#44

trans-1,3-Dichloropropene

Concen: 2.711 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU058992.D

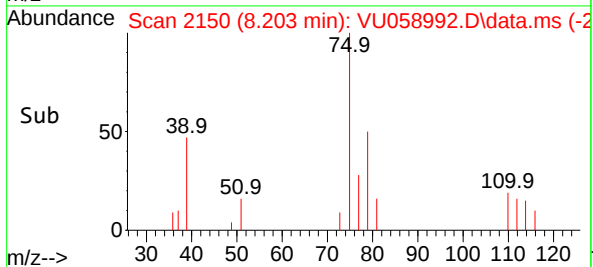
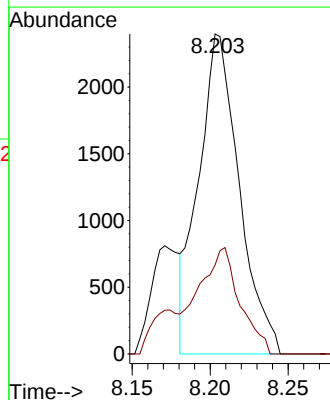
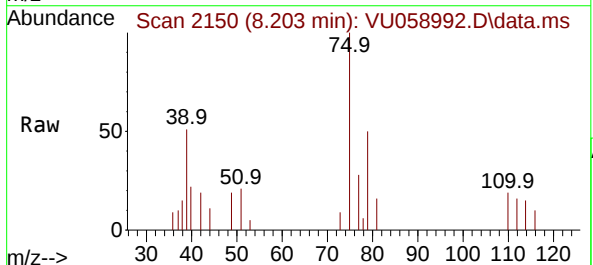
Acq: 25 May 2024 12:29

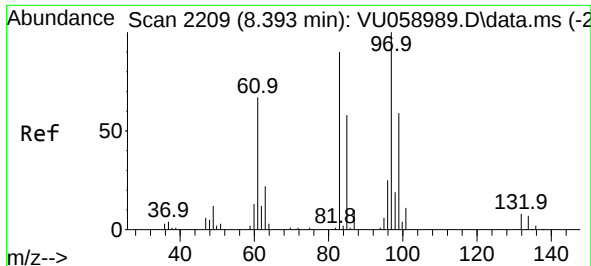
Tgt Ion: 75 Resp: 4344

Ion Ratio Lower Upper

75 100

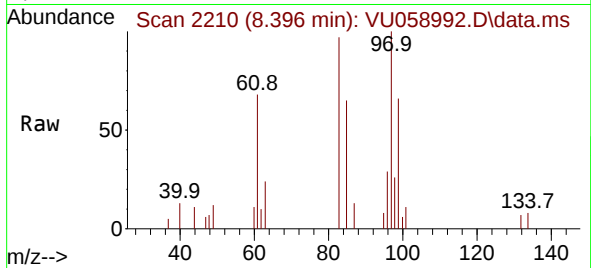
77 27.8 23.0 42.8





#45
1,1,2-Trichloroethane
Concen: 2.814 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

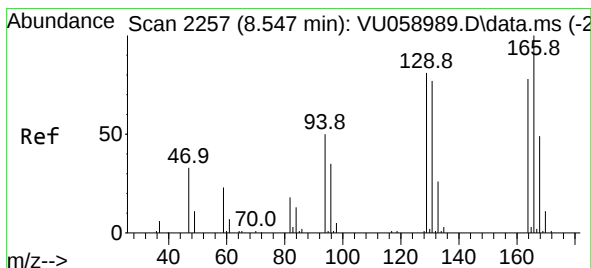
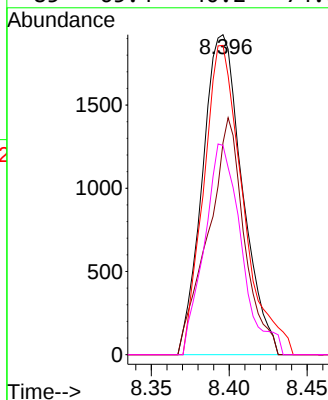
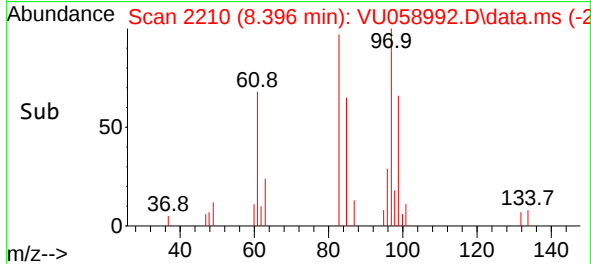
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2024-04



Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.2	42.6	79.2
83	96.7	62.2	115.6
85	65.4	40.2	74.6

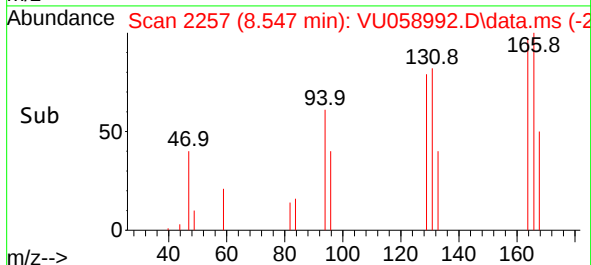
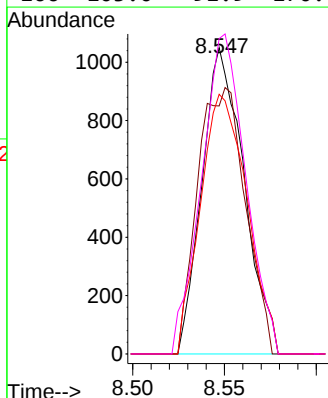
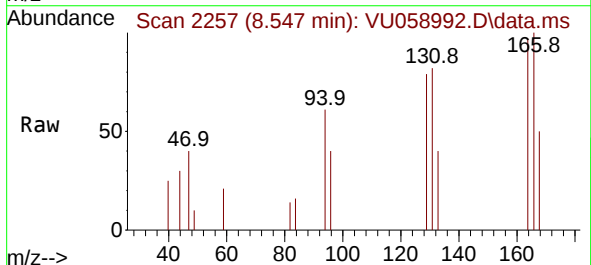
Manual Integrations
APPROVED

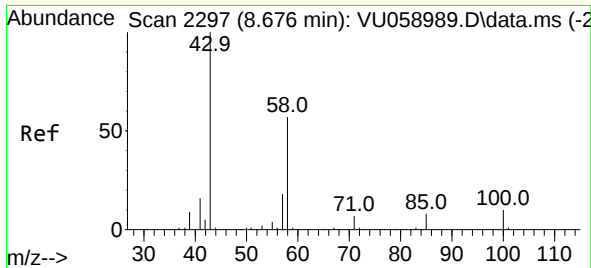
Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024



#46
Tetrachloroethene
Concen: 2.493 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

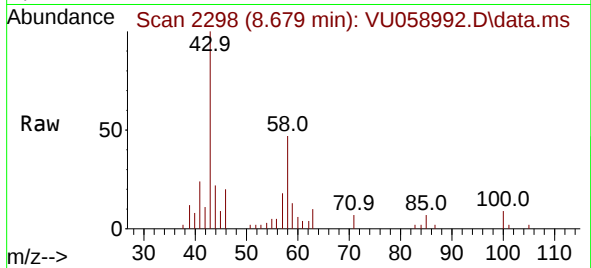
Tgt Ion	Ratio	Lower	Upper
164	100		
129	81.0	70.6	131.0
131	84.8	69.2	128.6
166	103.0	91.9	170.7





#48
2-Hexanone
Concen: 9.065 ug/L
RT: 8.679 min Scan# 2297
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

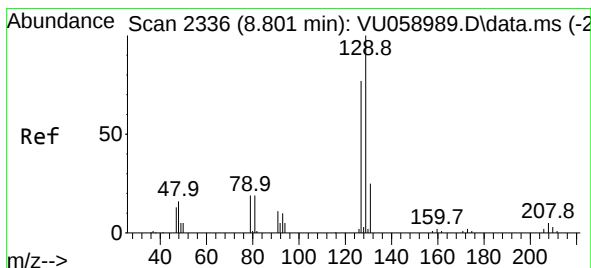
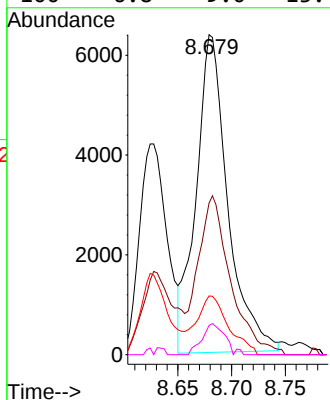
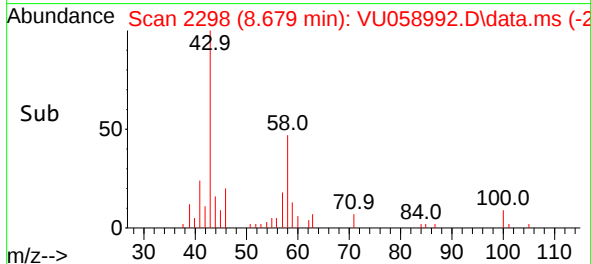
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2024-04



Tgt Ion: 43 Resp: 13070
Ion Ratio Lower Upper
43 100
58 44.8 47.8 71.6
57 18.6 15.7 23.5
100 6.8 9.0 13.4#

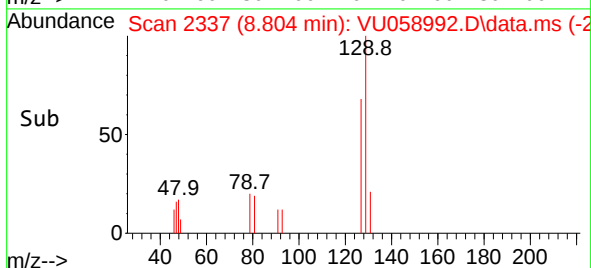
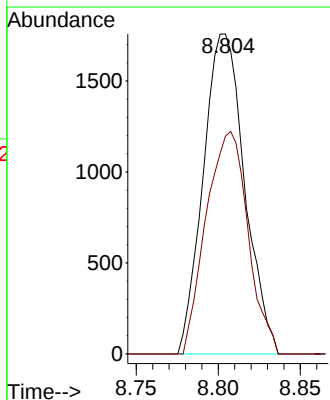
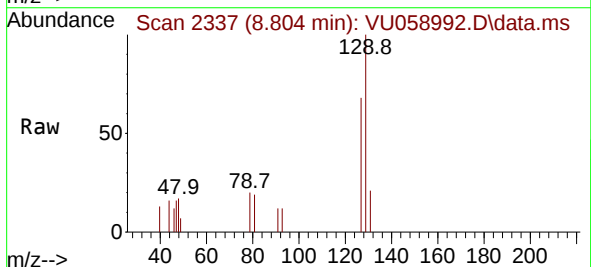
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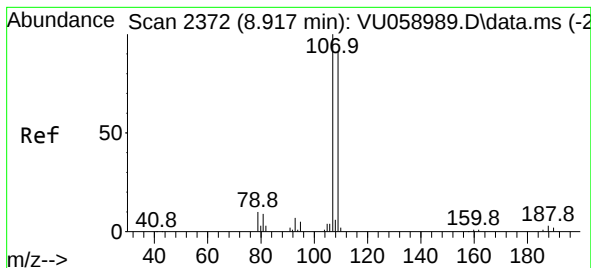
Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024



#49
Dibromochloromethane
Concen: 2.660 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Tgt Ion:129 Resp: 3084
Ion Ratio Lower Upper
129 100
127 68.0 56.8 105.4





#50

1,2-Dibromoethane

Concen: 2.859 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU058992.D

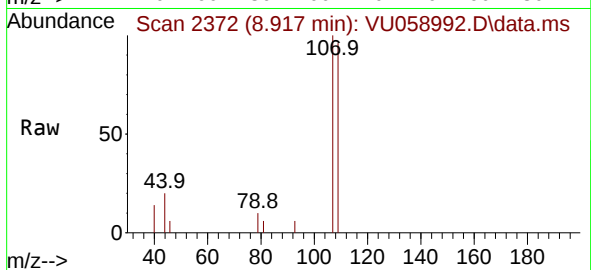
Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2024-04



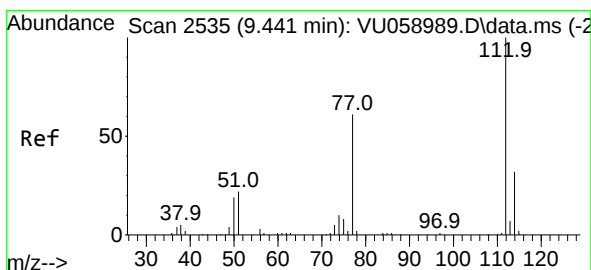
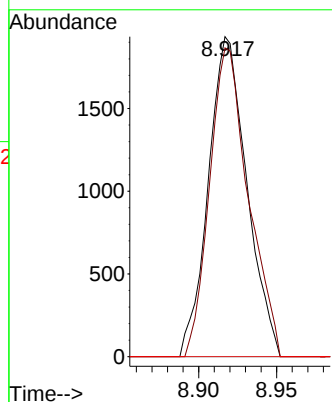
Tgt Ion:	107	Resp:	3314
Ion Ratio	Lower	Upper	
107	100		
109	96.5	68.0	126.2
188	0.0	2.6	3.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2024

Supervised By :Semsettin Yesilyurt 05/30/2024



#51

Chlorobenzene

Concen: 2.876 ug/L

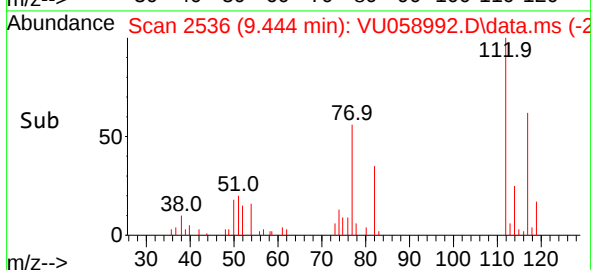
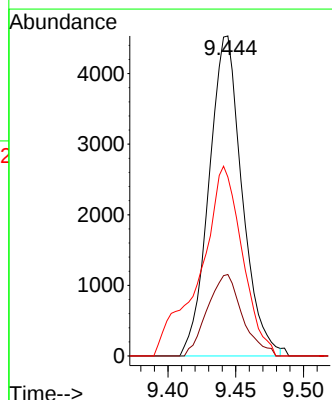
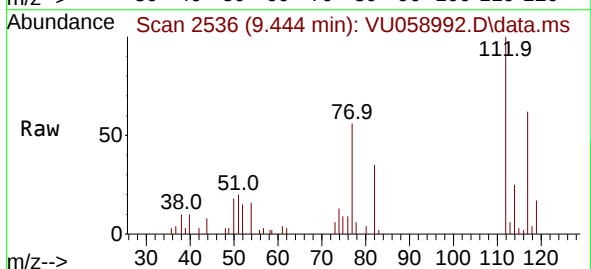
RT: 9.444 min Scan# 2536

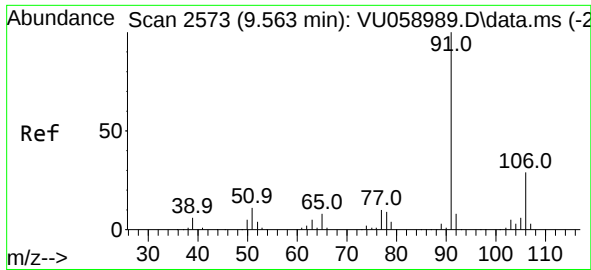
Delta R.T. 0.003 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Tgt Ion:	112	Resp:	7704
Ion Ratio	Lower	Upper	
112	100		
114	25.5	21.8	40.6
77	61.4	48.8	73.2





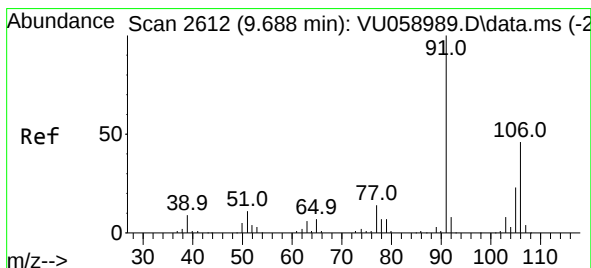
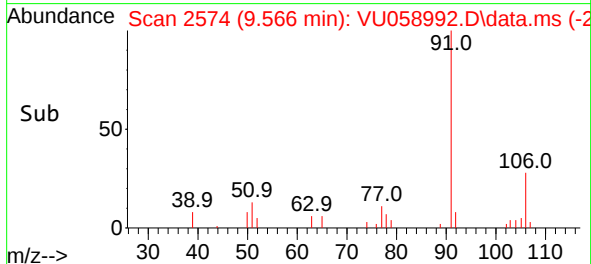
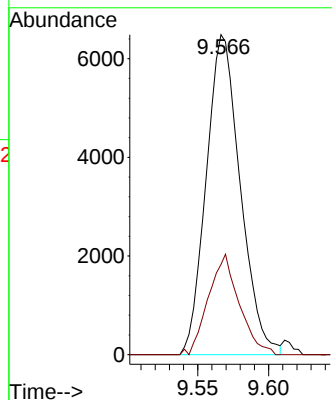
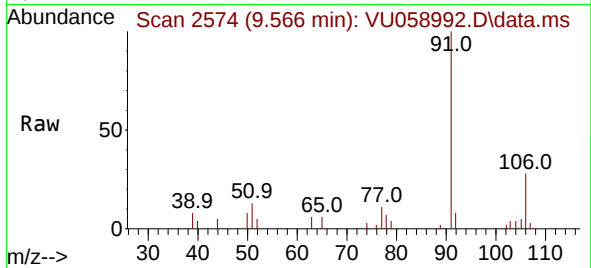
#52
Ethylbenzene
Concen: 2.469 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-04

Tgt Ion: 91 Resp: 1083
Ion Ratio Lower Upper
91 100
106 31.3 20.8 38.6

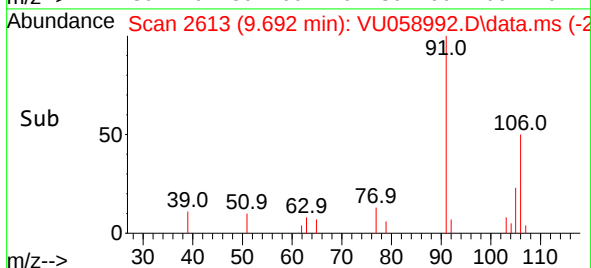
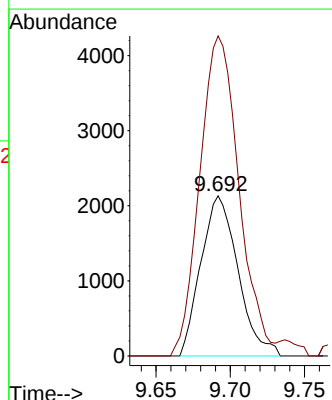
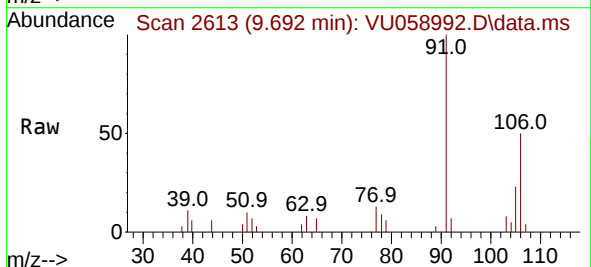
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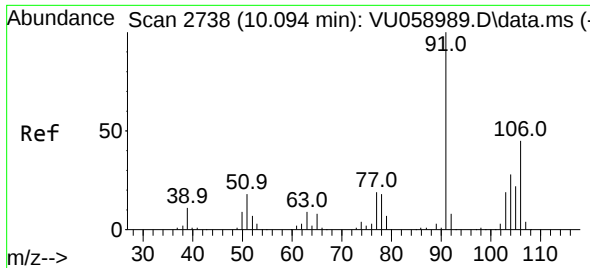
Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024



#53
m,p-Xylene
Concen: 2.348 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Tgt Ion:106 Resp: 3699
Ion Ratio Lower Upper
106 100
91 199.7 145.7 270.7





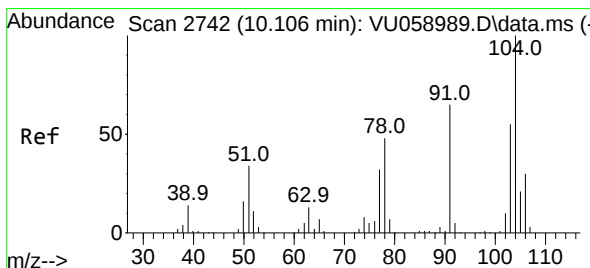
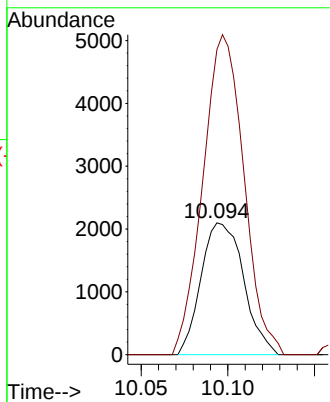
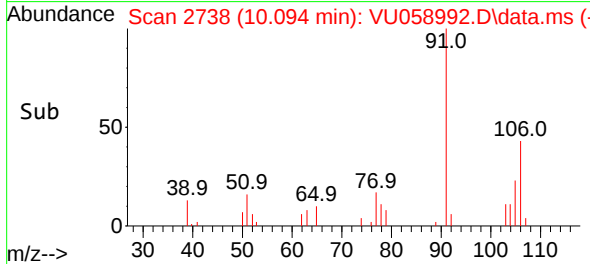
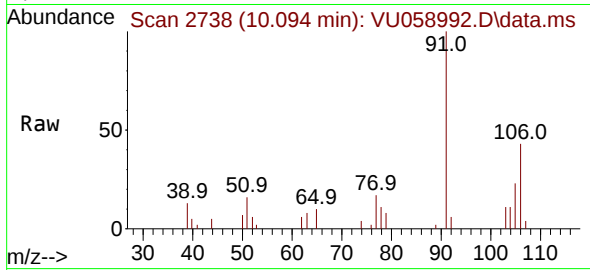
#54
o-Xylene
Concen: 2.267 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-04

Tgt Ion:106 Resp: 357
Ion Ratio Lower Upper
106 100
91 231.5 154.0 286.0

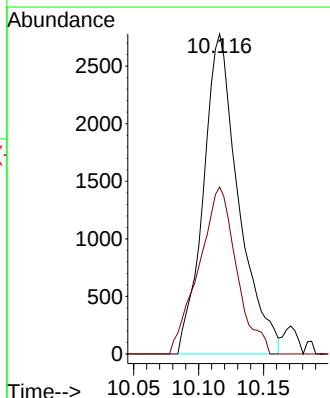
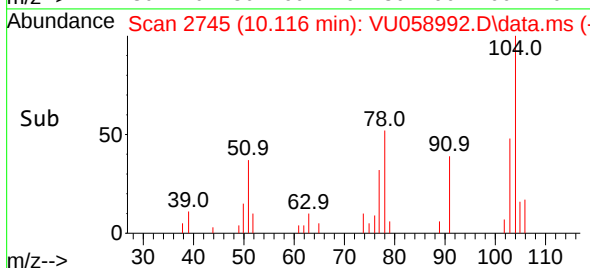
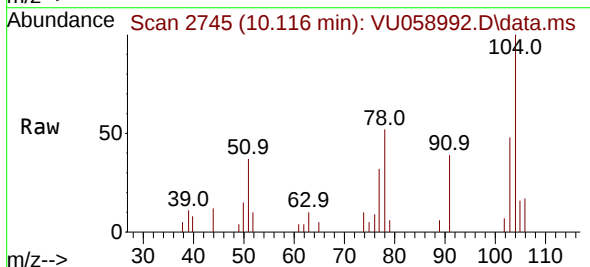
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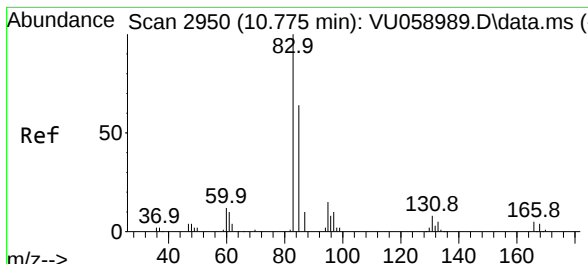
Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024



#55
Styrene
Concen: 1.854 ug/L
RT: 10.116 min Scan# 2745
Delta R.T. 0.010 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Tgt Ion:104 Resp: 5222
Ion Ratio Lower Upper
104 100
78 52.2 32.3 59.9





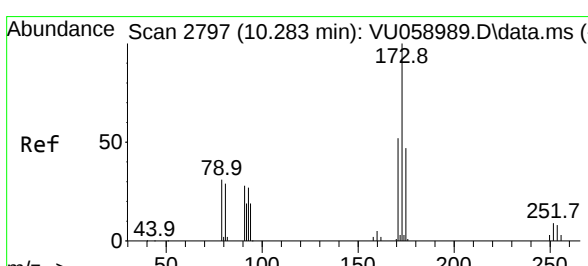
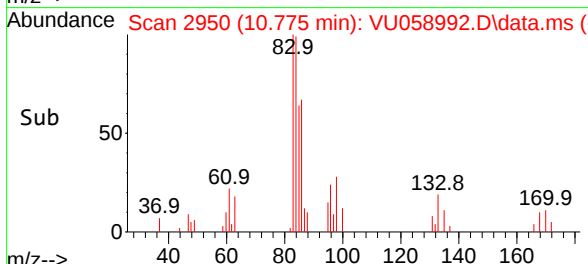
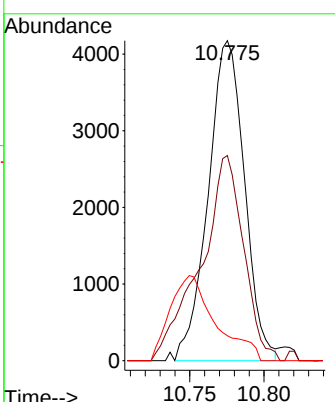
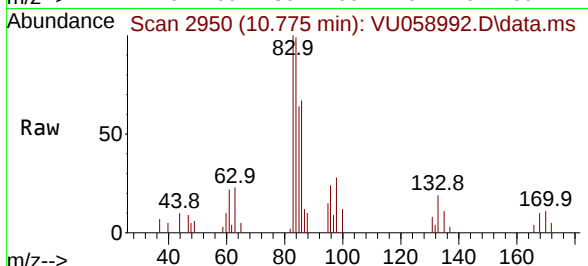
#57
 1,1,2,2-Tetrachloroethane
 Concen: 3.252 ug/L
 RT: 10.775 min Scan# 2950
 Delta R.T. 0.000 min
 Lab File: VU058992.D
 Acq: 25 May 2024 12:29

Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT2-2024-04

Tgt Ion:	83	Resp:	711
Ion Ratio	Lower	Upper	
83	100		
85	64.1	43.5	80.9
131	7.8	7.1	10.7

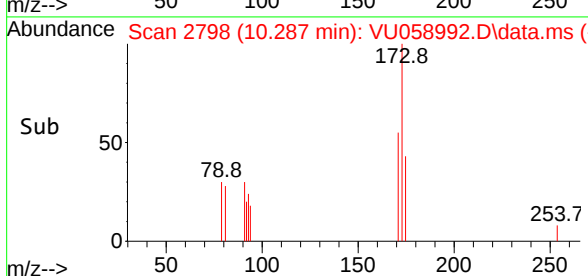
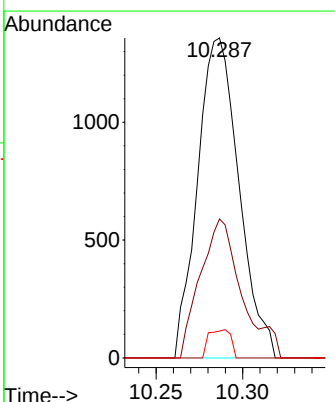
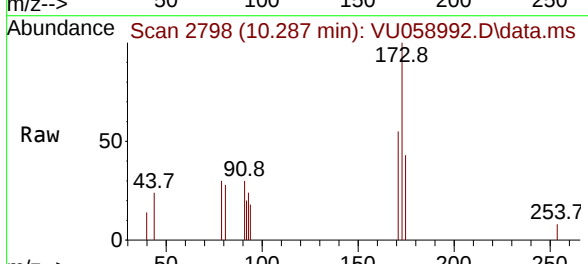
Manual Integrations
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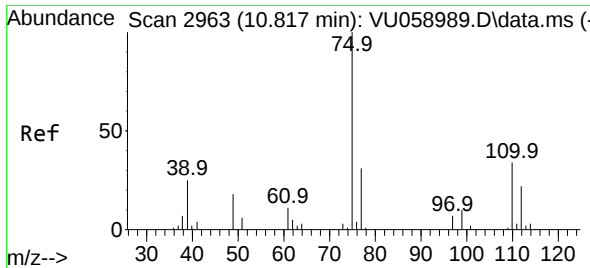
Reviewed By :Mahesh Dadoda 05/30/2024
 Supervised By :Semsettin Yesilyurt 05/30/2024



#59
 Bromoform
 Concen: 3.098 ug/L
 RT: 10.287 min Scan# 2798
 Delta R.T. 0.003 min
 Lab File: VU058992.D
 Acq: 25 May 2024 12:29

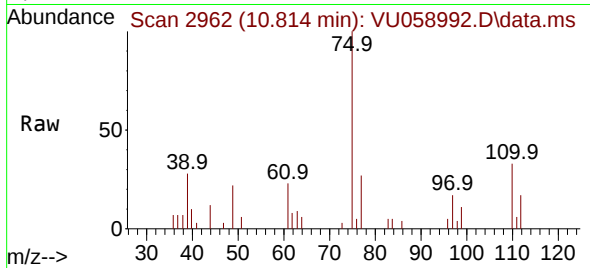
Tgt Ion:	173	Resp:	2252
Ion Ratio	Lower	Upper	
173	100		
175	40.4	40.6	61.0#
254	0.0	7.3	10.9#





#60
1,2,3-Trichloropropane
Concen: 4.006 ug/L
RT: 10.814 min Scan# 2963
Delta R.T. -0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

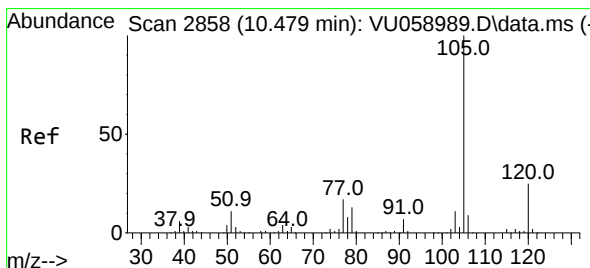
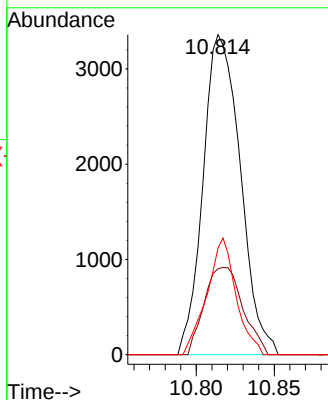
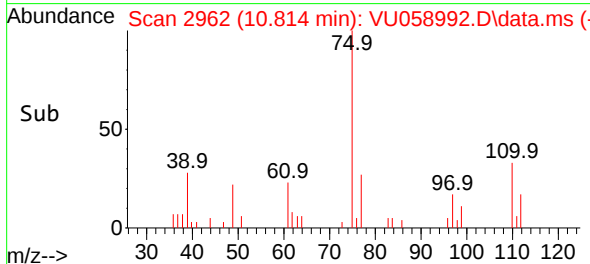
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2024-04



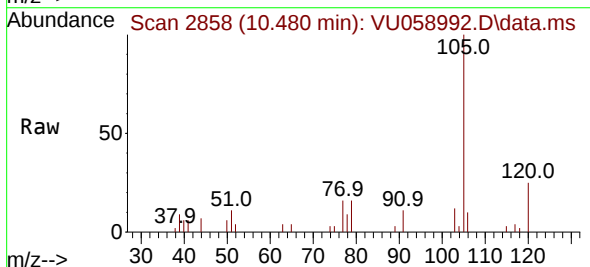
Tgt Ion: 75 Resp: 5590
Ion Ratio Lower Upper
75 100
77 28.2 25.8 38.6
110 28.6 28.3 42.5

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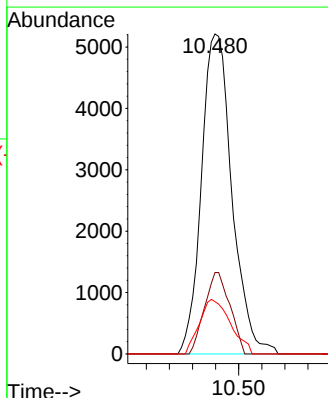
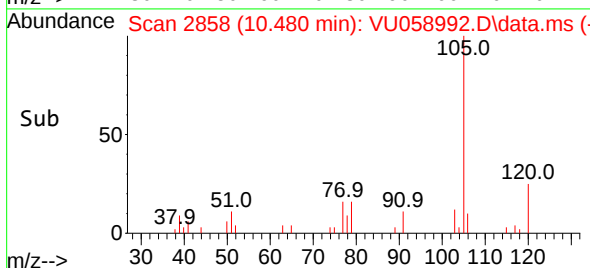
Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024

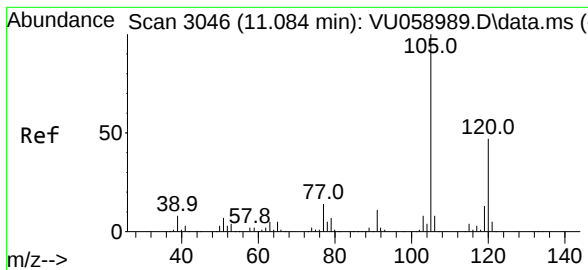


#61
Isopropylbenzene
Concen: 2.733 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29



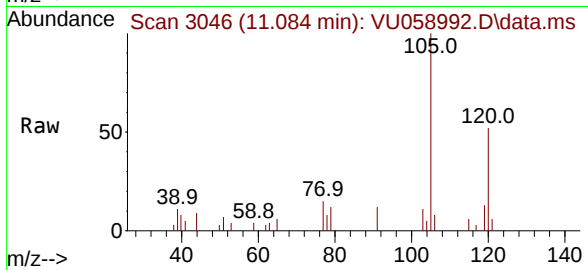
Tgt Ion:105 Resp: 9571
Ion Ratio Lower Upper
105 100
120 21.1 20.0 30.0
77 17.3 13.4 20.0





#62
1,3,5-Trimethylbenzene
Concen: 2.292 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

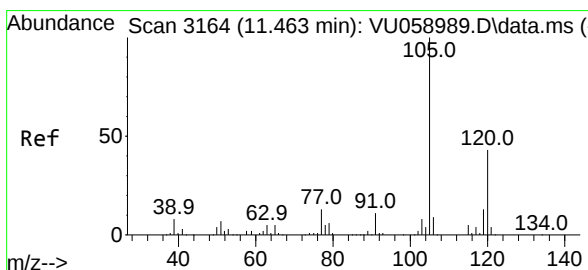
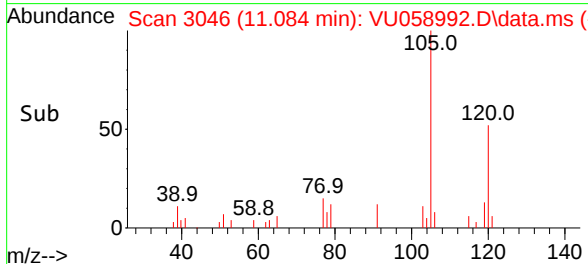
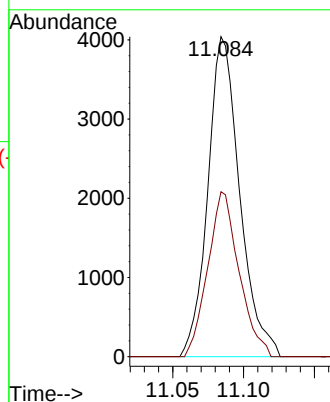
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion:105 Resp: 6324
Ion Ratio Lower Upper
105 100
120 50.5 36.9 55.3

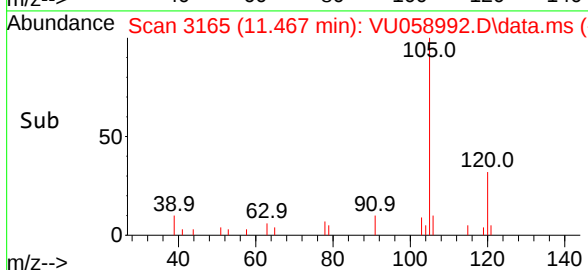
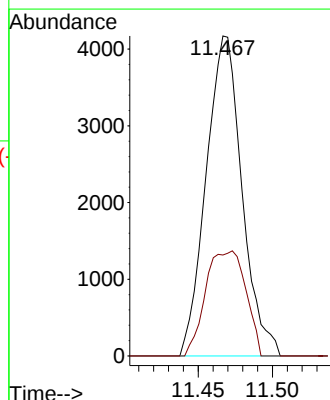
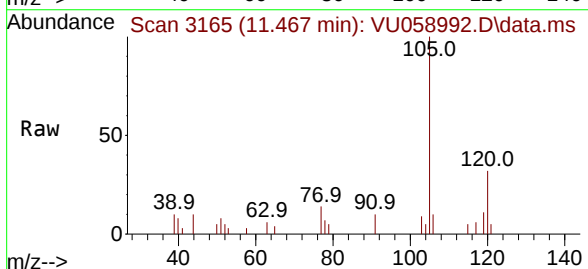
Manual Integrations
APPROVED

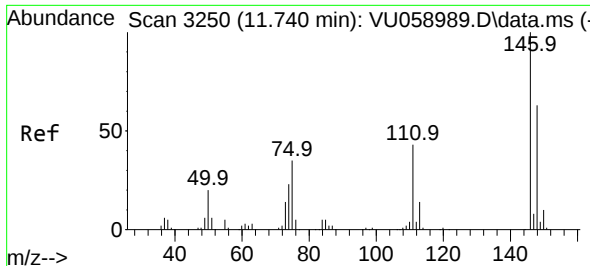
Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024



#63
1,2,4-Trimethylbenzene
Concen: 2.518 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

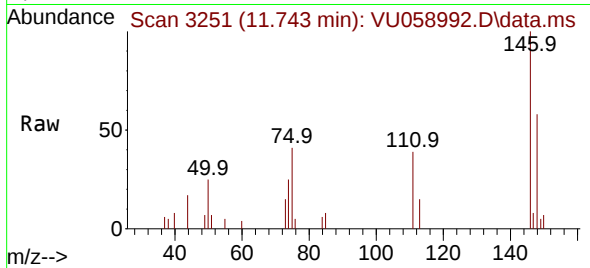
Tgt Ion:105 Resp: 7006
Ion Ratio Lower Upper
105 100
120 36.7 35.3 52.9





#64
1,3-Dichlorobenzene
Concen: 2.587 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

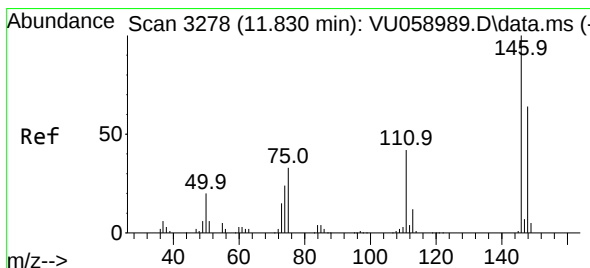
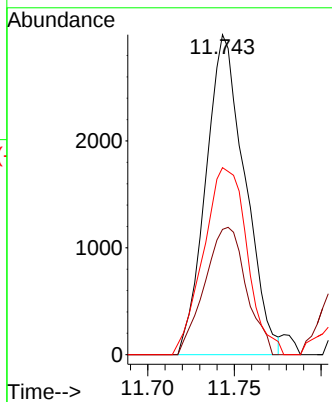
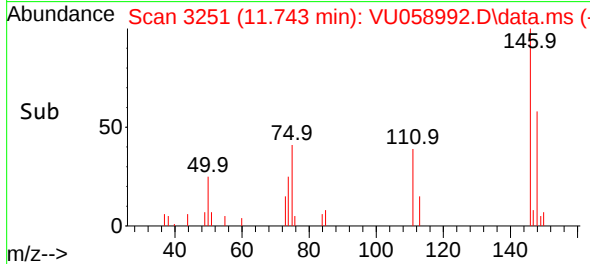
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-04



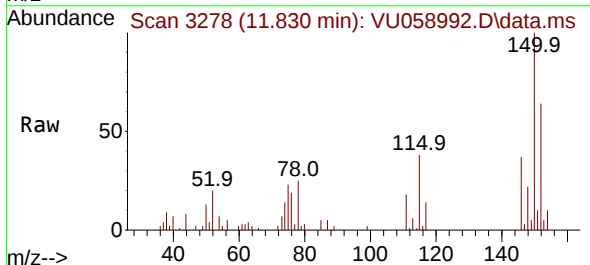
Tgt Ion:146 Resp: 470
Ion Ratio Lower Upper
146 100
111 36.2 28.6 53.0
148 54.0 44.2 82.2

Manual Integrations
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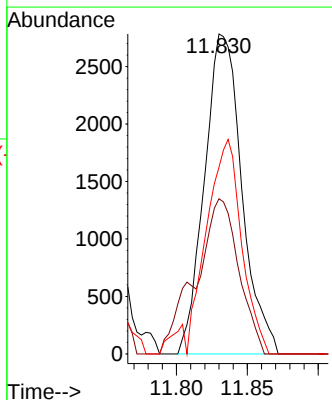
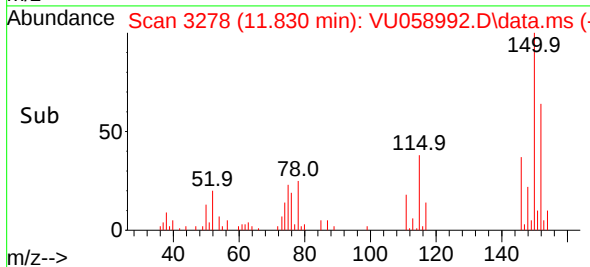
Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024

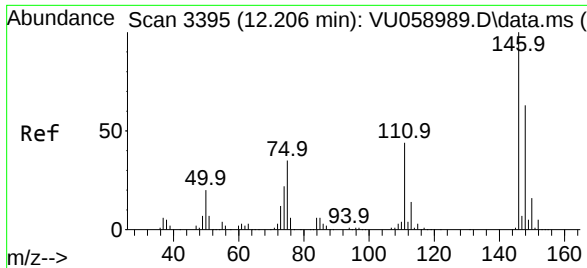


#65
1,4-Dichlorobenzene
Concen: 2.778 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29



Tgt Ion:146 Resp: 5102
Ion Ratio Lower Upper
146 100
111 48.5 27.3 50.7
148 58.3 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 2.930 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

ClientSampleId :

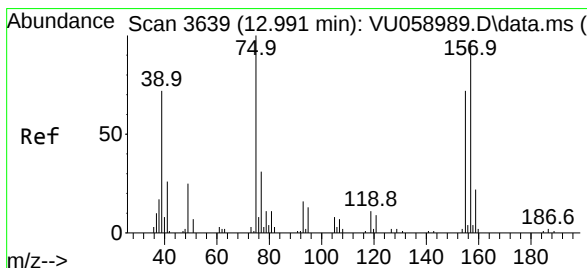
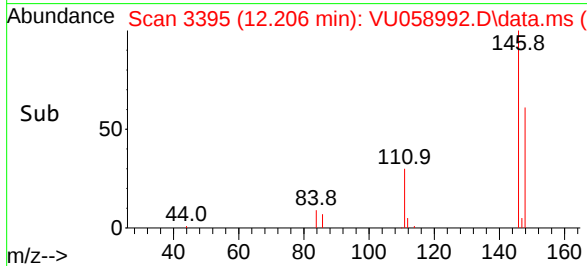
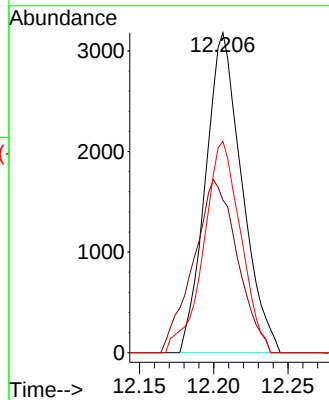
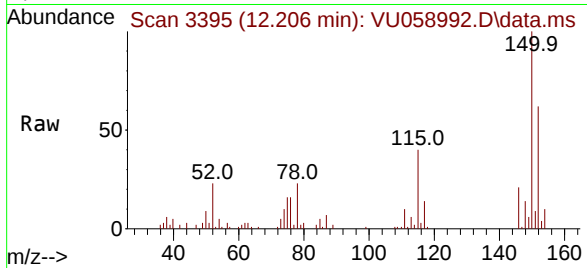
MDL-WATER-QT2-2024-04

Tgt Ion:146 Resp: 5418
Ion Ratio Lower Upper
146 100
111 52.2 34.1 51.1
148 66.0 52.2 78.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024



#68

1,2-Dibromo-3-chloropropane

Concen: 3.263 ug/L

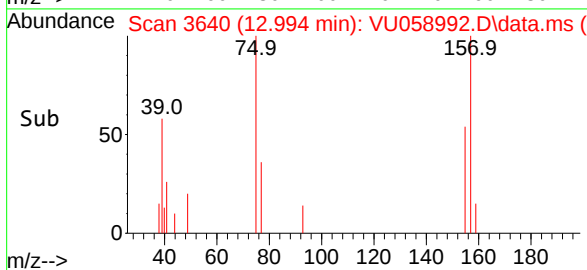
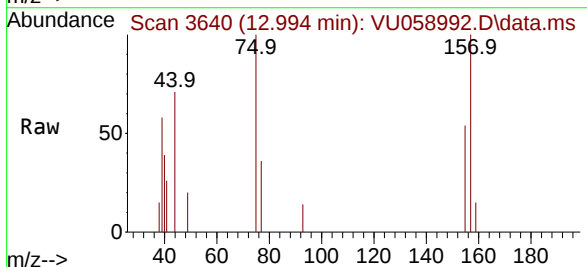
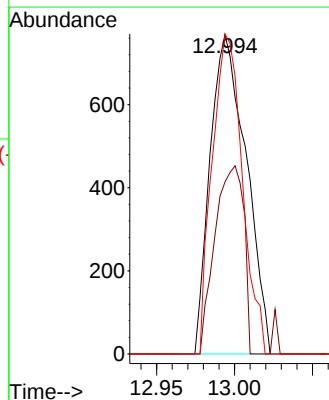
RT: 12.994 min Scan# 3640

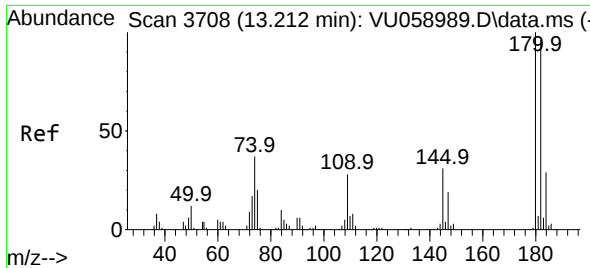
Delta R.T. 0.003 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

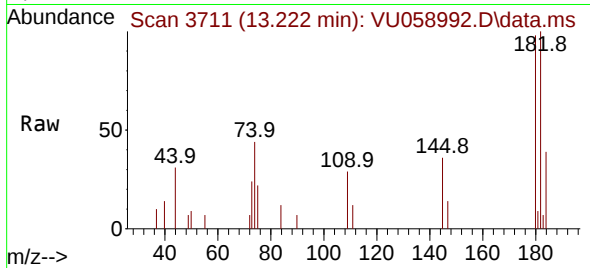
Tgt Ion: 75 Resp: 1232
Ion Ratio Lower Upper
75 100
155 53.9 60.2 90.4
157 100.3 77.2 115.8





#69
1,3,5-Trichlorobenzene
Concen: 2.282 ug/L
RT: 13.222 min Scan# 3708
Delta R.T. 0.010 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

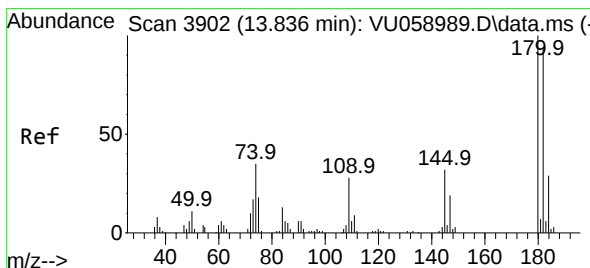
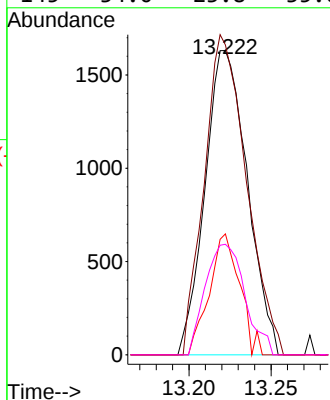
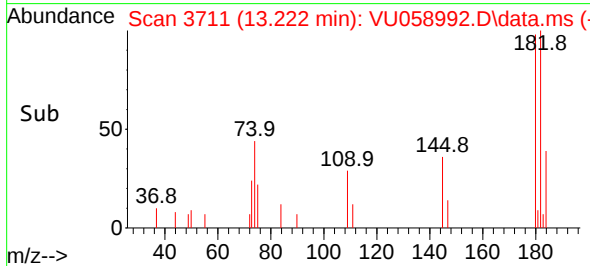
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-04



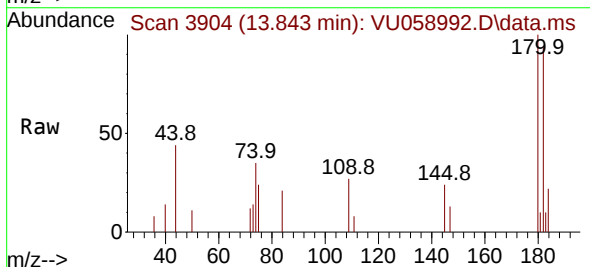
Tgt Ion:180 Resp: 292.0
Ion Ratio Lower Upper
180 100
182 104.4 75.7 113.5
184 27.7 24.3 36.5
145 34.0 23.8 35.6

Manual Integrations
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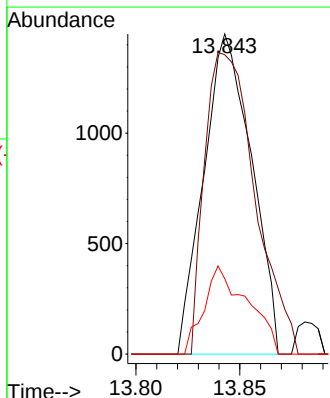
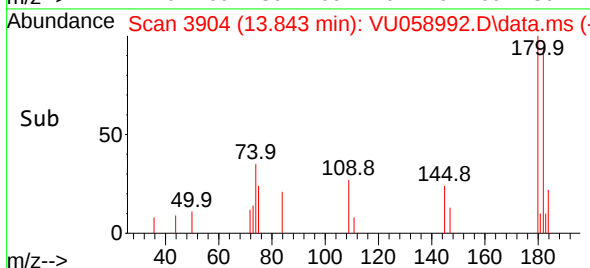
Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024

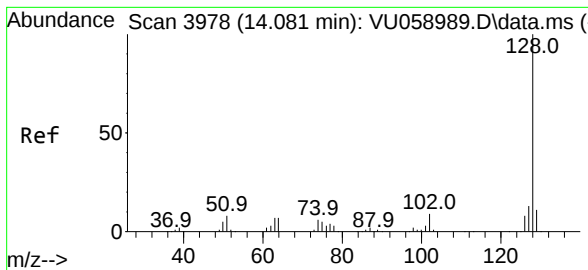


#70
1,2,4-trichlorobenzene
Concen: 2.099 ug/L
RT: 13.843 min Scan# 3904
Delta R.T. 0.006 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29



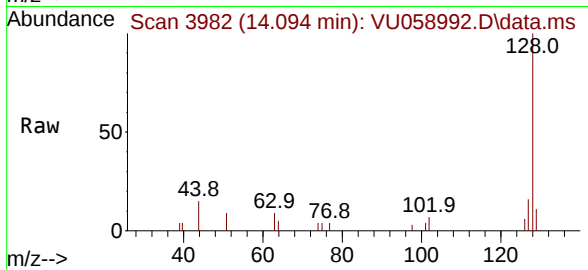
Tgt Ion:180 Resp: 2315
Ion Ratio Lower Upper
180 100
182 99.3 78.6 117.8
145 14.9 24.6 37.0#





#71
Naphthalene
Concen: 2.268 ug/L m
RT: 14.094 min Scan# 3978
Delta R.T. 0.013 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

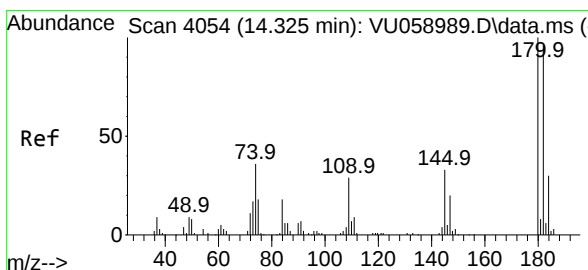
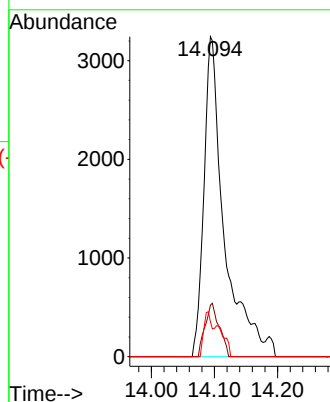
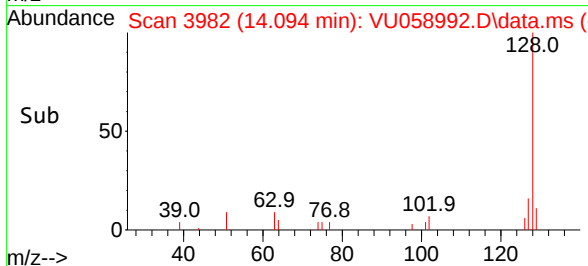
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-04



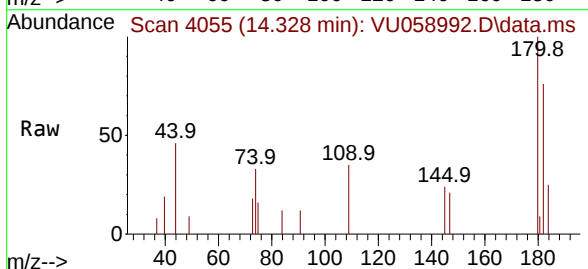
Tgt Ion:128 Resp: 7290
Ion Ratio Lower Upper
128 100
127 11.6 10.8 16.2
129 5.3 8.8 13.2

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/30/2024
Supervised By :Semsettin Yesilyurt 05/30/2024



#72
1,2,3-Trichlorobenzene
Concen: 2.232 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29



Tgt Ion:180 Resp: 2522
Ion Ratio Lower Upper
180 100
182 83.7 76.1 114.1
145 25.3 26.2 39.2

