

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121623\
 Data File : VU056923.D
 Acq On : 16 Dec 2023 13:37
 Operator : MD/SY
 Sample : 04696-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2023-08

Quant Time: Dec 16 23:46:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 01:53:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	213347	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	222109	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	97536	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	70535	3.857	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.200%
7) Chloroethane-d5	1.907	69	58389	4.267	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.400%
11) 1,1-Dichloroethene-d2	2.560	65	33409	4.270	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.400%
20) 2-Butanone-d5	4.621	46	190123	52.644	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.280%
24) Chloroform-d	5.055	84	162010	4.678	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.698	65	79961	4.880	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.721	84	299570	4.348	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
36) 1,2-Dichloropropane-d6	6.682	67	97521	4.523	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.400%
41) Toluene-d8	7.894	98	243756	3.959	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.200%
43) trans-1,3-Dichloroprop...	8.177	79	34774	4.158	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.200%
46) 2-Hexanone-d5	8.631	63	142595	45.213	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.420%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	77098	4.942	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	89673	4.677	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	5599	0.250	ug/L	95
3) Chloromethane	1.515	50	10146	0.462	ug/L	92
5) Vinyl chloride	1.599	62	5929	0.272	ug/L #	63
6) Bromomethane	1.853	94	3120	0.242	ug/L	91
8) Chloroethane	1.927	64	3980	0.311	ug/L	94
9) Trichlorofluoromethane	2.132	101	8119	0.264	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	5854	0.310	ug/L	94
12) 1,1-Dichloroethene	2.576	96	5328	0.308	ug/L #	1
14) Carbon disulfide	2.788	76	13738	0.229	ug/L	96
15) Methyl Acetate	2.962	43	1489m	0.249	ug/L	
16) Methylene chloride	3.039	84	6001	0.318	ug/L	94
17) Methyl tert-butyl Ether	3.357	73	9744	0.254	ug/L #	95
18) trans-1,2-Dichloroethene	3.348	96	4390	0.250	ug/L	81
19) 1,1-Dichloroethane	3.869	63	9481	0.281	ug/L #	95
21) 2-Butanone	4.724	43	12431	3.349	ug/L	84
22) cis-1,2-Dichloroethene	4.666	96	4483	0.235	ug/L	84
23) Bromochloromethane	4.972	128	2158	0.270	ug/L	84
27) 1,2-Dichloroethane	5.801	62	5609	0.268	ug/L #	88
29) 1,1,1-Trichloroethane	5.309	97	7784	0.242	ug/L	93

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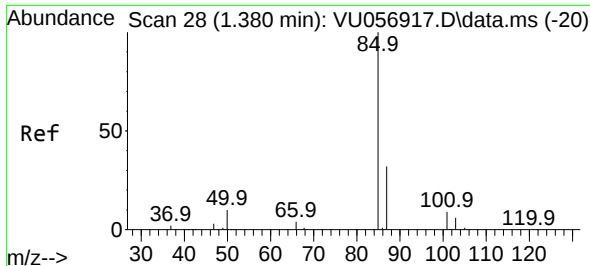
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	5.383	56	6736	0.224	ug/L	93
31) Carbon tetrachloride	5.515	117	6788	0.243	ug/L	94
33) Benzene	5.772	78	19419	0.249	ug/L	100
37) 1,2-Dichloropropane	6.791	63	5095	0.255	ug/L #	94
38) Bromodichloromethane	7.100	83	6692	0.263	ug/L	95
39) cis-1,3-Dichloropropene	7.608	75	6836	0.235	ug/L	98
40) 4-Methyl-2-pentanone	7.791	43	24269	2.560	ug/L #	88
42) Toluene	7.968	91	22434	0.278	ug/L	96
44) trans-1,3-Dichloropropene	8.209	75	5566m	0.233	ug/L	
45) 1,1,2-Trichloroethane	8.399	97	3624	0.268	ug/L	93
47) Tetrachloroethene	8.553	164	3536	0.236	ug/L	89
48) 2-Hexanone	8.682	43	23140	3.427	ug/L	98
49) Dibromochloromethane	8.804	129	3788	0.244	ug/L	85
50) 1,2-Dibromoethane	8.926	107	3276	0.261	ug/L #	84
51) Chlorobenzene	9.444	112	12833	0.249	ug/L	94
52) Ethylbenzene	9.569	91	21017	0.236	ug/L	94
53) m,p-Xylene	9.695	106	8206	0.247	ug/L	84
54) o-Xylene	10.097	106	7169	0.227	ug/L	77
55) Styrene	10.116	104	9504	0.183	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	3933	0.241	ug/L #	94
59) Bromoform	10.286	173	2473	0.311	ug/L #	88
60) Isopropylbenzene	10.479	105	16833	0.218	ug/L	97
61) 1,2,3-Trichloropropane	10.817	75	2963	0.283	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	13611	0.216	ug/L	93
63) 1,2,4-Trimethylbenzene	11.466	105	12381	0.198	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	8821	0.242	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	9570	0.267	ug/L	95
67) 1,2-Dichlorobenzene	12.209	146	10006	0.301	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.991	75	448m	0.214	ug/L	
69) 1,3,5-Trichlorobenzene	13.219	180	5795	0.210	ug/L	96

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



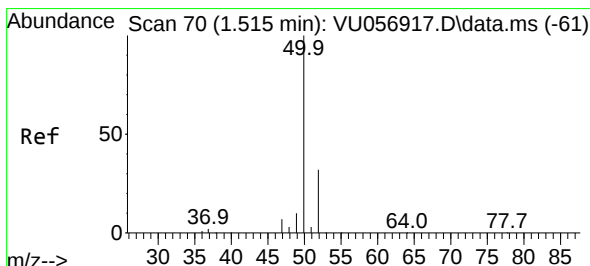
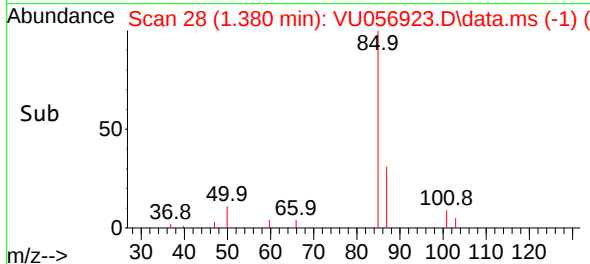
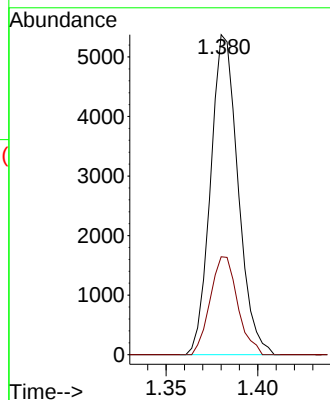
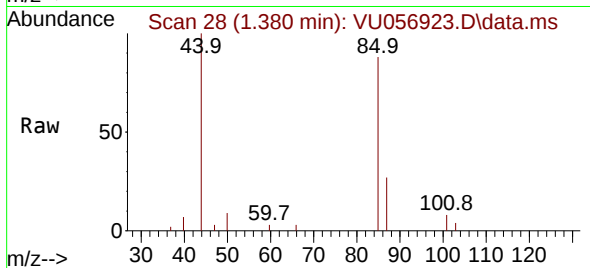
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Dichlorodifluoromethane
Concen: 0.250 ug/L
RT: 1.380 min Scan# 28
Delta R.T. -0.000 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion: 85 Resp: 5599
Ion Ratio Lower Upper
85 100
87 30.6 26.8 40.2

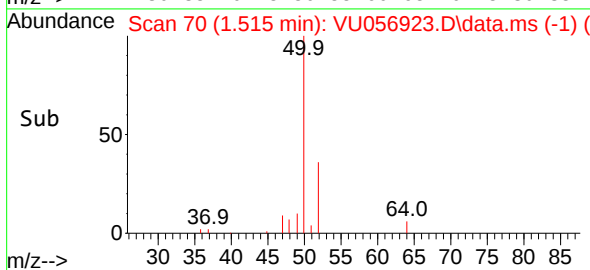
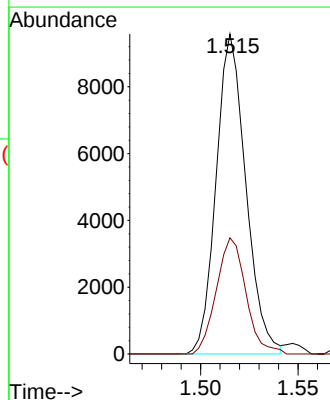
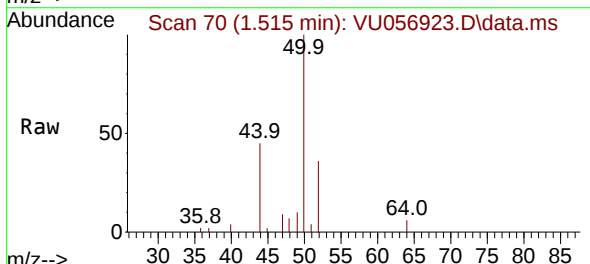
Manual Integrations
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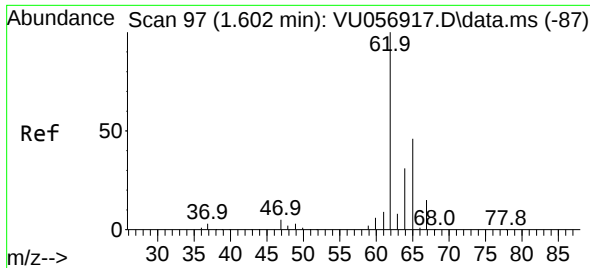
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#3
Chloromethane
Concen: 0.462 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

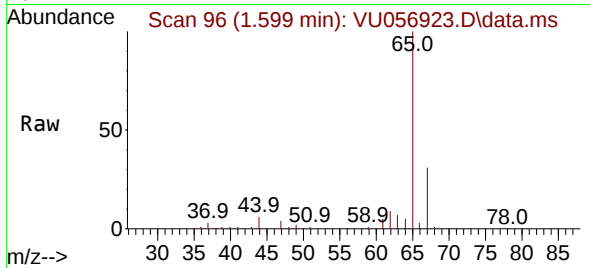
Tgt Ion: 50 Resp: 10146
Ion Ratio Lower Upper
50 100
52 36.3 22.5 41.7





#5
 Vinyl chloride
 Concen: 0.272 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU056923.D
 Acq: 16 Dec 2023 13:37

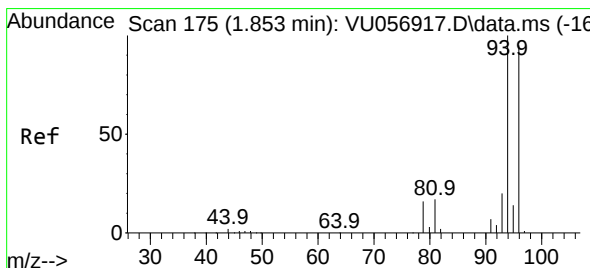
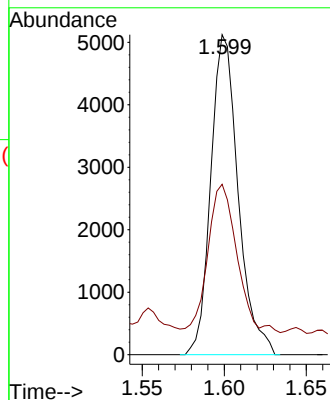
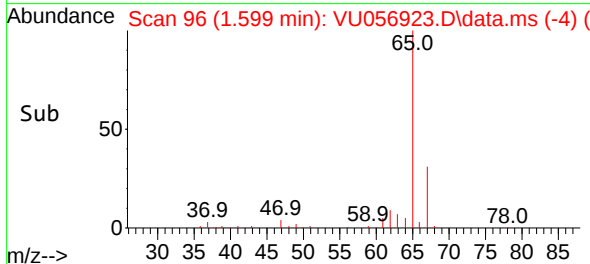
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2023-08



Tgt Ion: 62 Resp: 5929
 Ion Ratio Lower Upper
 62 100
 64 53.2 22.8 42.4

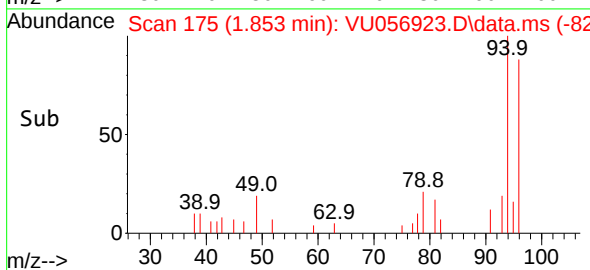
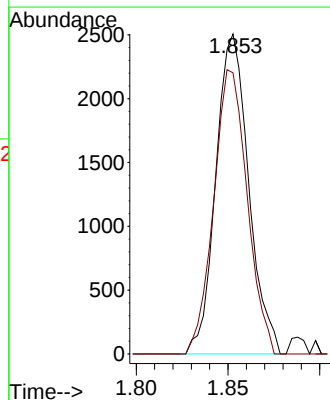
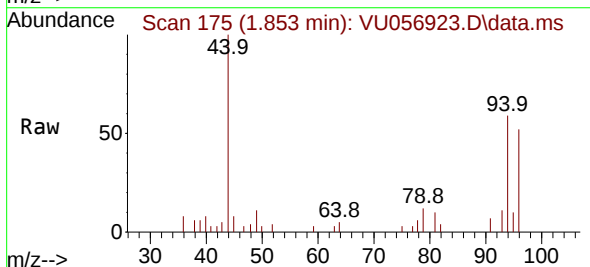
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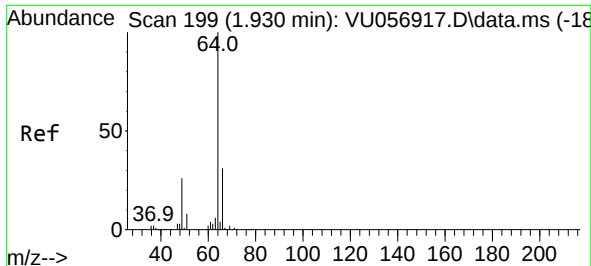
Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023



#6
 Bromomethane
 Concen: 0.242 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.000 min
 Lab File: VU056923.D
 Acq: 16 Dec 2023 13:37

Tgt Ion: 94 Resp: 3120
 Ion Ratio Lower Upper
 94 100
 96 87.9 67.8 125.8





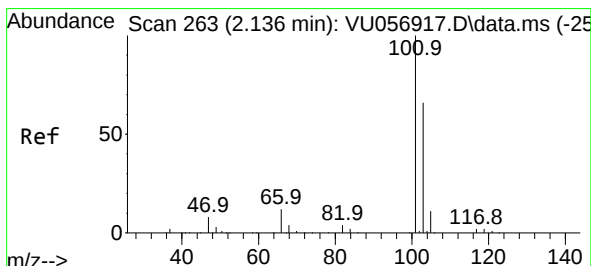
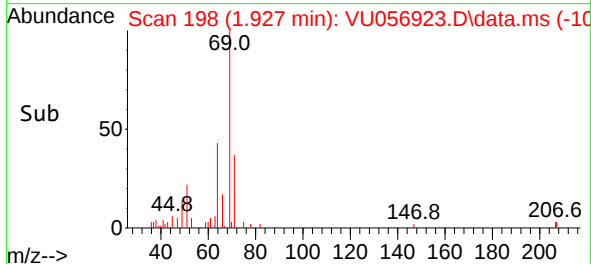
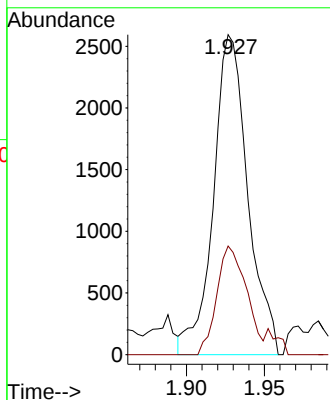
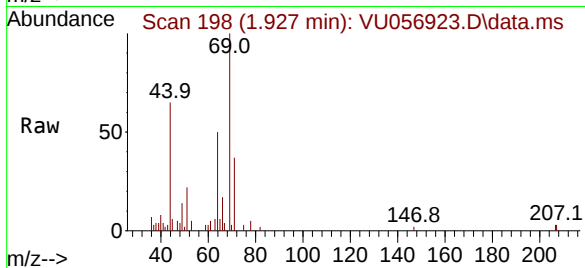
#8
Chloroethane
Concen: 0.311 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.003 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2023-08

Tgt Ion: 64 Resp: 3980
Ion Ratio Lower Upper
64 100
66 33.9 21.4 39.8

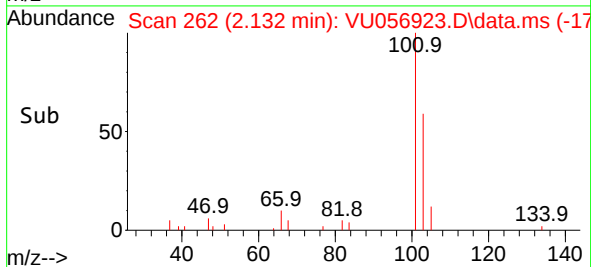
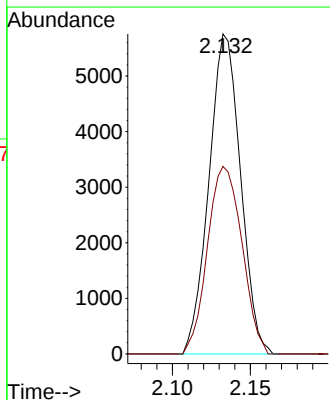
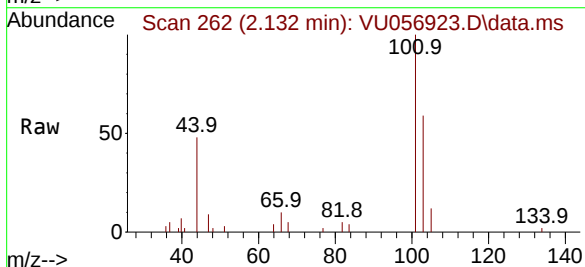
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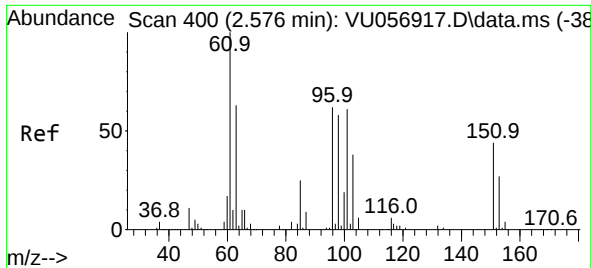
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#9
Trichlorofluoromethane
Concen: 0.264 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

Tgt Ion:101 Resp: 8119
Ion Ratio Lower Upper
101 100
103 63.9 51.4 77.2





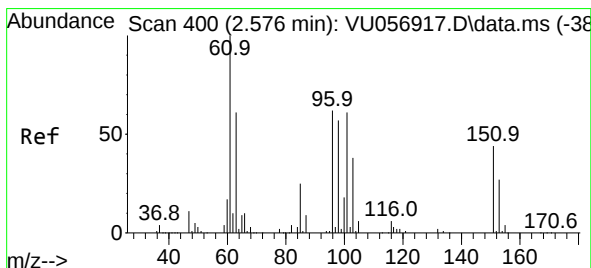
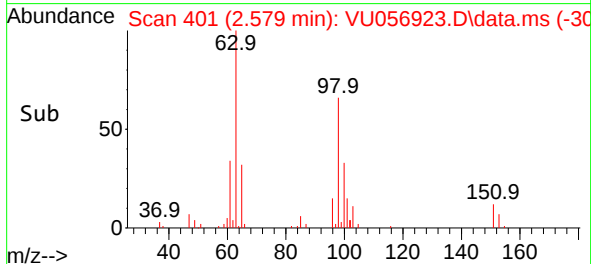
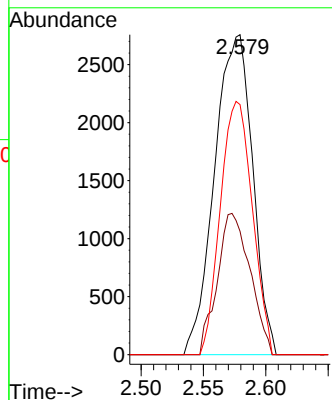
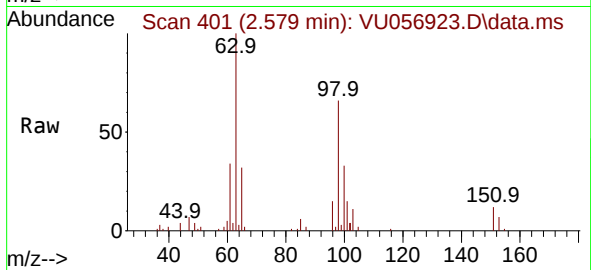
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.310 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion:101 Resp: 5854
Ion Ratio Lower Upper
101 100
85 38.1 35.2 52.8
151 66.7 56.0 84.0

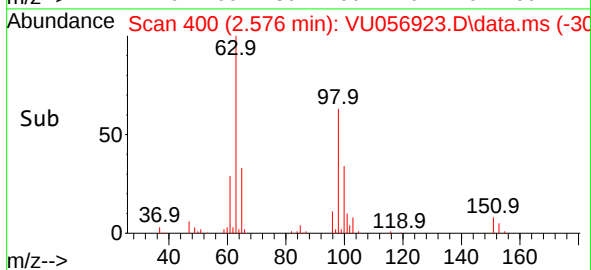
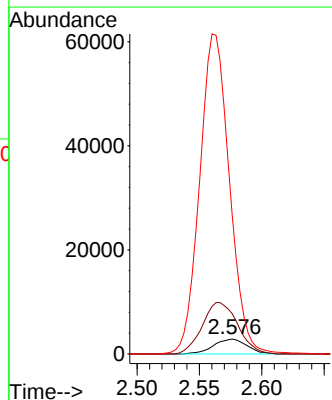
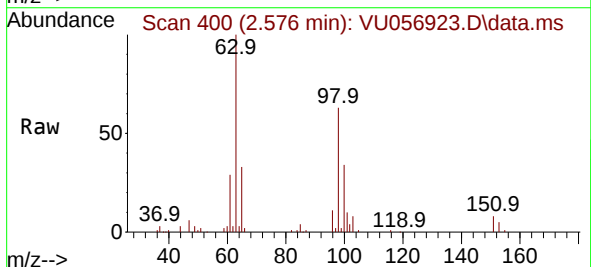
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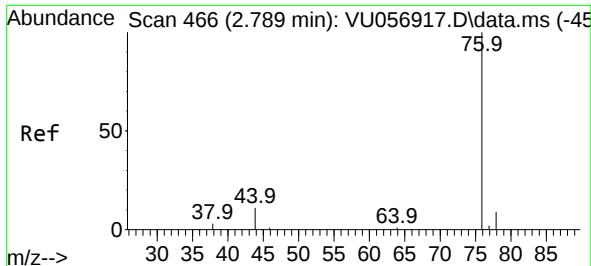
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#12
1,1-Dichloroethene
Concen: 0.308 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

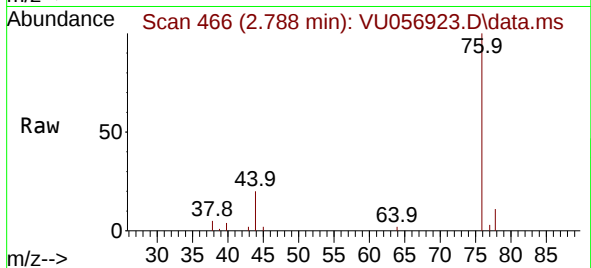
Tgt Ion: 96 Resp: 5328
Ion Ratio Lower Upper
96 100
61 273.3 119.0 221.0#
63 949.3 88.7 164.7#





#14
Carbon disulfide
Concen: 0.229 ug/L
RT: 2.788 min Scan# 40
Delta R.T. -0.000 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

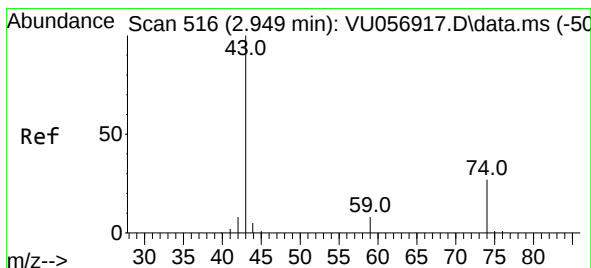
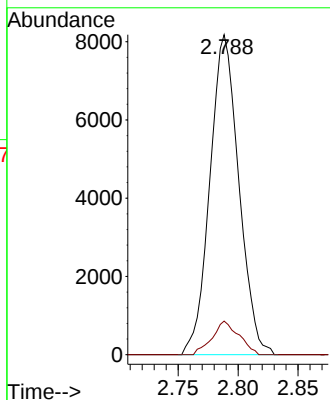
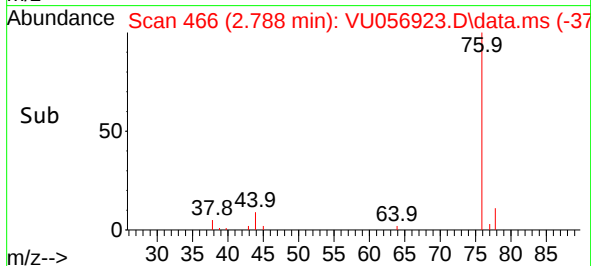
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



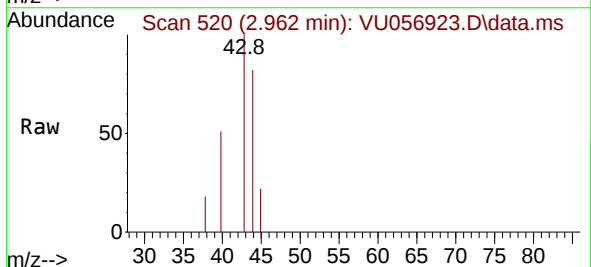
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Ion Ratio Lower Upper
76 100
78 10.5 7.3 10.9

Manual Integrations
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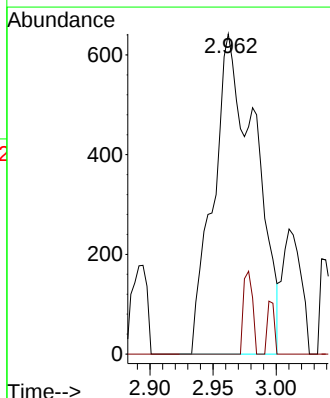
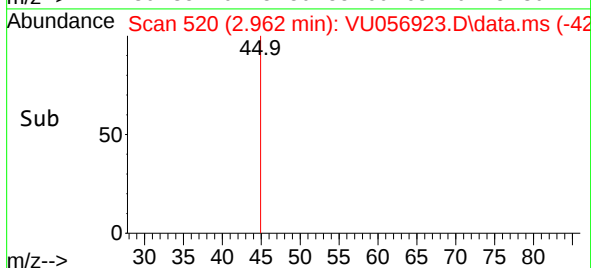
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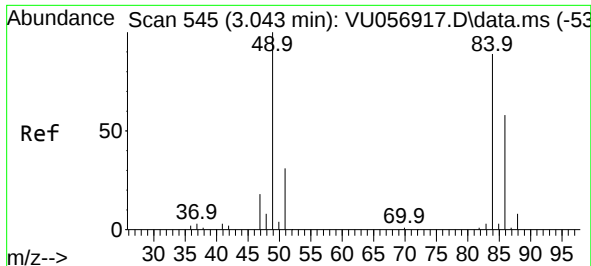


#15
Methyl Acetate
Concen: 0.249 ug/L m
RT: 2.962 min Scan# 520
Delta R.T. 0.016 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37



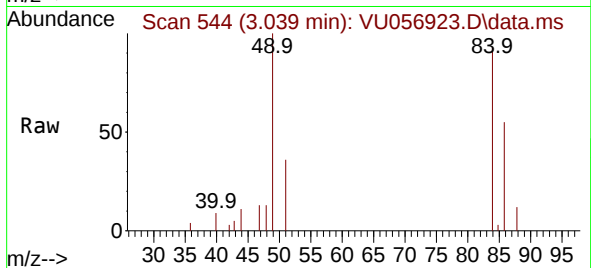
Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
74 5.6 21.0 31.6#





#16
Methylene chloride
Concen: 0.318 ug/L
RT: 3.039 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

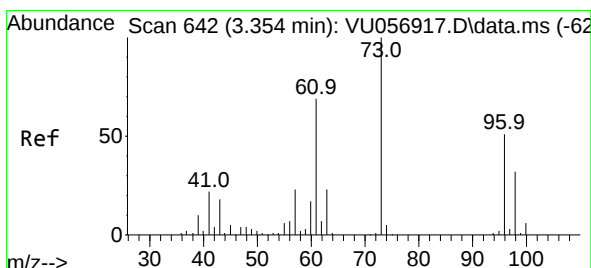
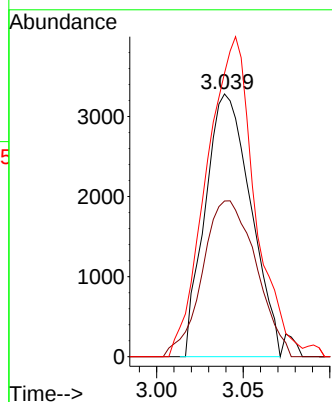
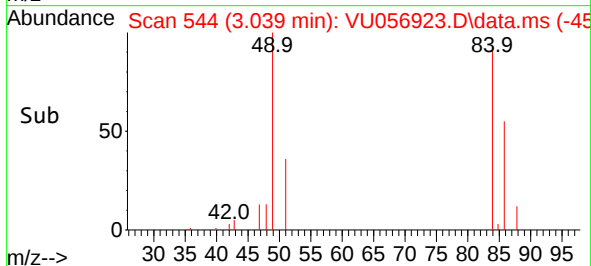
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2023-08



Tgt Ion: 84 Resp: 600
Ion Ratio Lower Upper
84 100
86 59.3 43.6 81.0
49 107.9 80.6 149.6

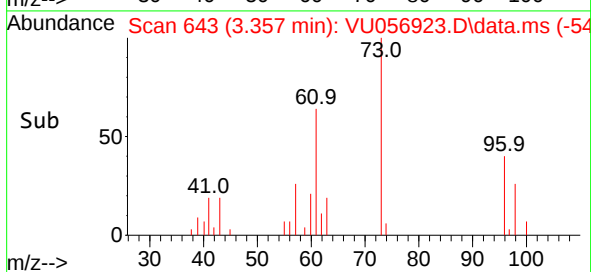
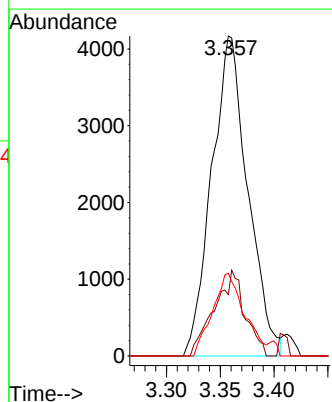
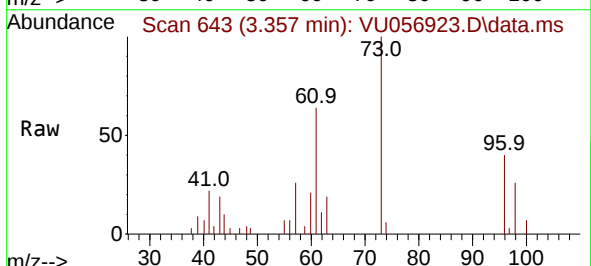
Manual Integrations
APPROVED

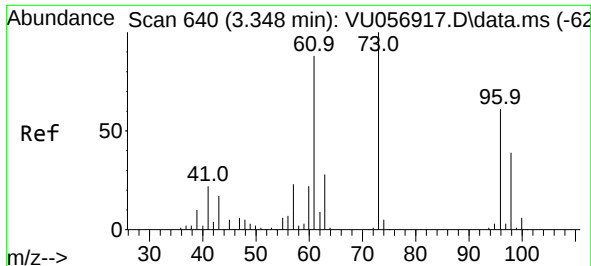
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#17
Methyl tert-butyl Ether
Concen: 0.254 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.003 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

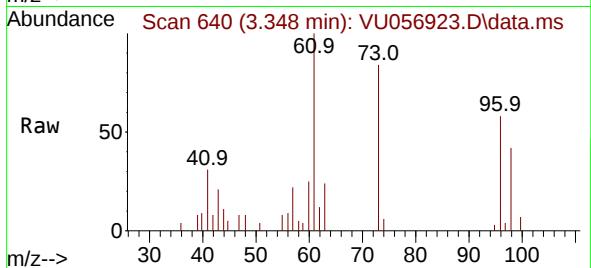
Tgt Ion: 73 Resp: 9744
Ion Ratio Lower Upper
73 100
43 22.7 14.4 21.6#
57 22.8 17.8 26.8





#18
trans-1,2-Dichloroethene
Concen: 0.250 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

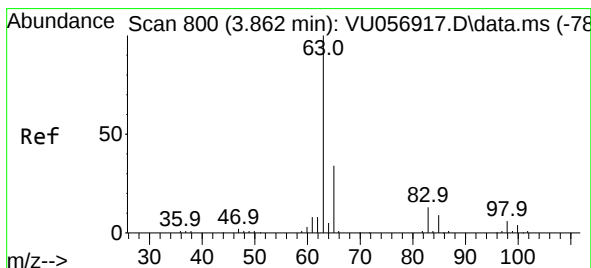
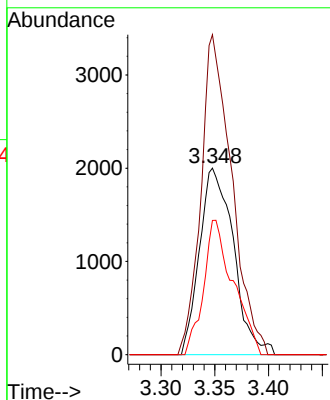
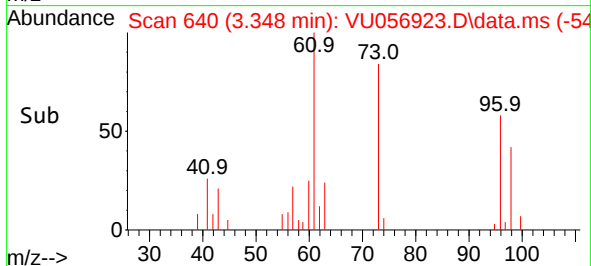
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2023-08



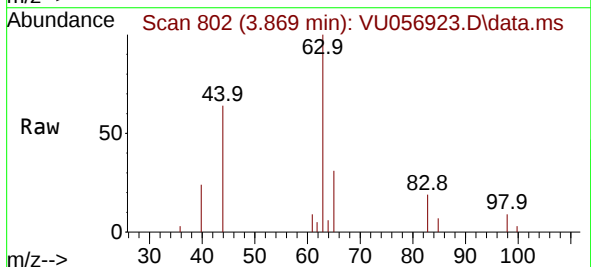
Tgt Ion: 96 Resp: 4390
Ion Ratio Lower Upper
96 100
61 171.5 101.8 189.0
98 72.0 43.0 79.8

Manual Integrations
APPROVED

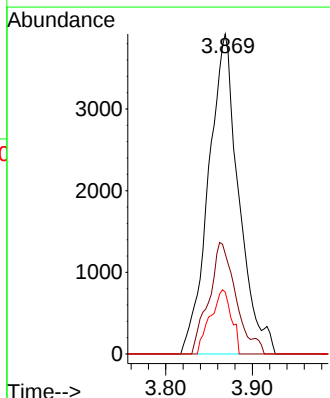
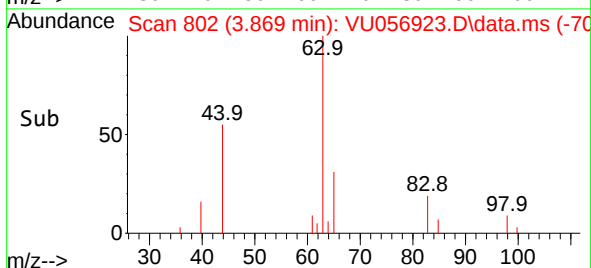
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

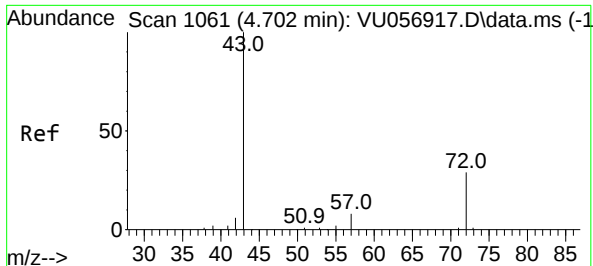


#19
1,1-Dichloroethane
Concen: 0.281 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.006 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37



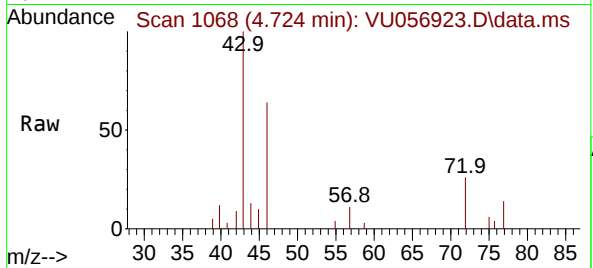
Tgt Ion: 63 Resp: 9481
Ion Ratio Lower Upper
63 100
65 31.3 22.9 42.5
83 19.3 10.1 18.9#





#21
2-Butanone
Concen: 3.349 ug/L
RT: 4.724 min Scan# 1068
Delta R.T. 0.026 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

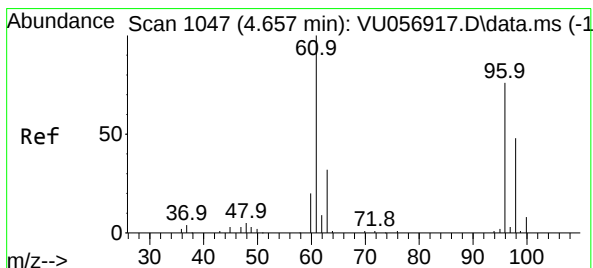
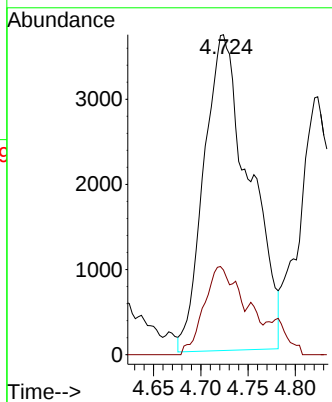
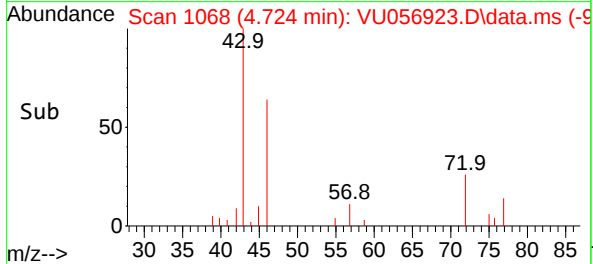
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion: 43 Resp: 1243
Ion Ratio Lower Upper
43 100
72 20.5 14.6 43.8

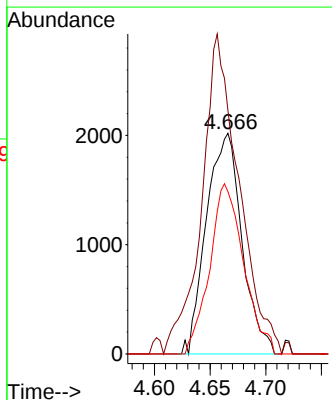
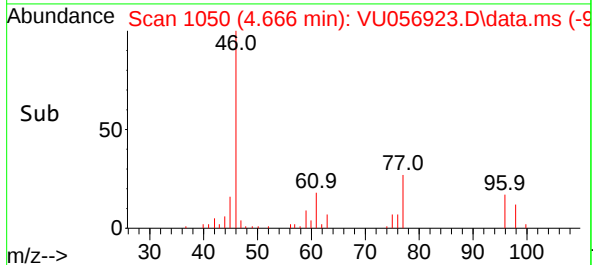
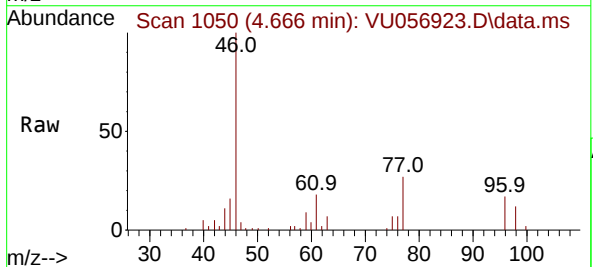
Manual Integrations
APPROVED

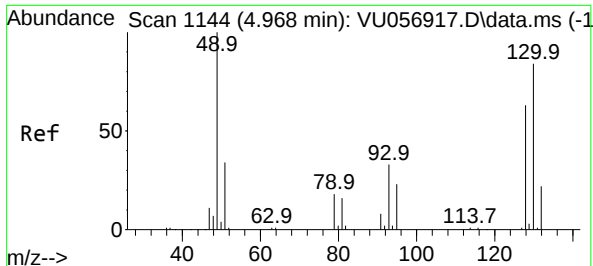
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#22
cis-1,2-Dichloroethene
Concen: 0.235 ug/L
RT: 4.666 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

Tgt Ion: 96 Resp: 4483
Ion Ratio Lower Upper
96 100
61 110.4 91.3 169.6
98 73.6 44.2 82.0





#23

Bromochloromethane

Concen: 0.270 ug/L

RT: 4.972 min Scan# 1145

Delta R.T. 0.003 min

Lab File: VU056923.D

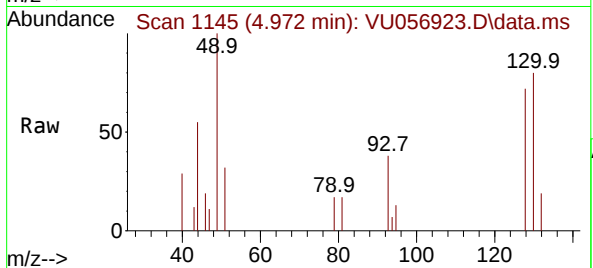
Acq: 16 Dec 2023 13:37

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-08



Tgt Ion: 128 Resp: 215

Ion Ratio Lower Upper

128 100

49 139.5 113.8 211.3

130 112.2 90.6 168.3

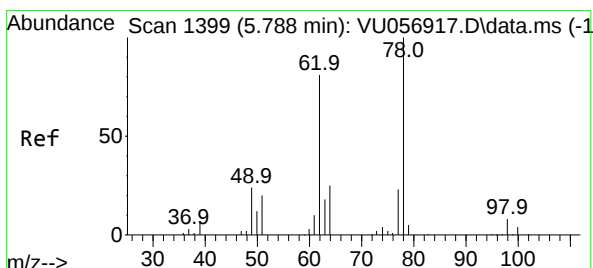
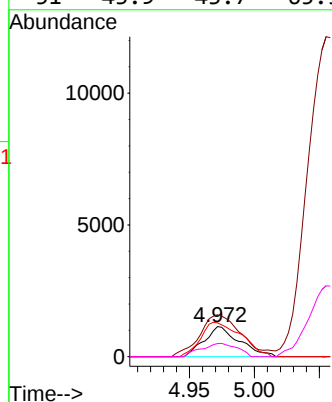
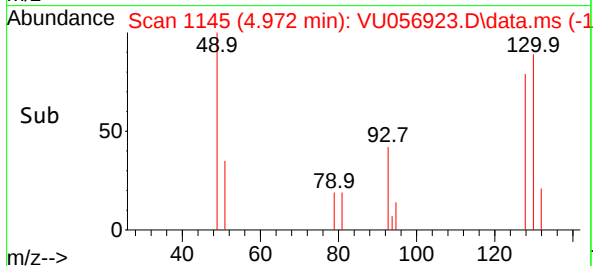
51 43.9 43.7 65.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023

Supervised By :Semsettin Yesilyurt 12/18/2023



#27

1,2-Dichloroethane

Concen: 0.268 ug/L

RT: 5.801 min Scan# 1403

Delta R.T. 0.013 min

Lab File: VU056923.D

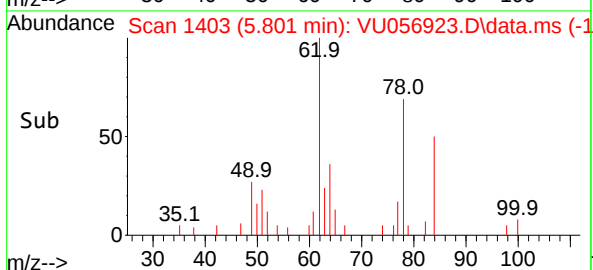
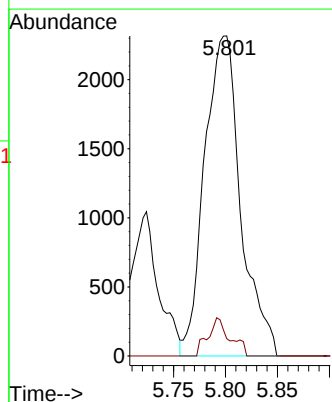
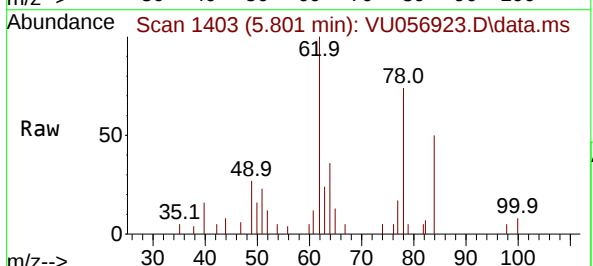
Acq: 16 Dec 2023 13:37

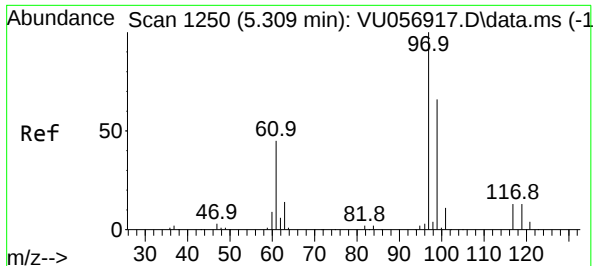
Tgt Ion: 62 Resp: 5609

Ion Ratio Lower Upper

62 100

98 5.4 7.8 11.6#





#29

1,1,1-Trichloroethane

Concen: 0.242 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU056923.D

Acq: 16 Dec 2023 13:37

Instrument :

MSVOA_U

ClientSampleId :

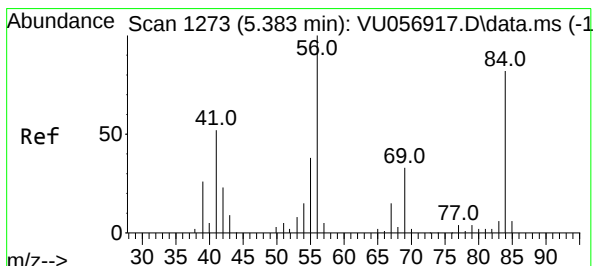
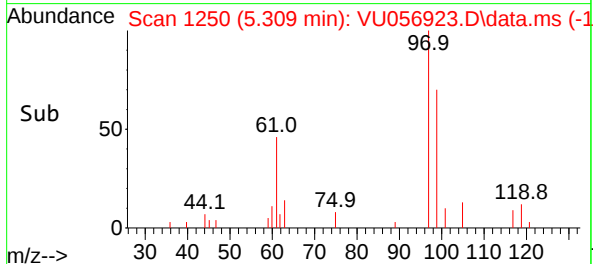
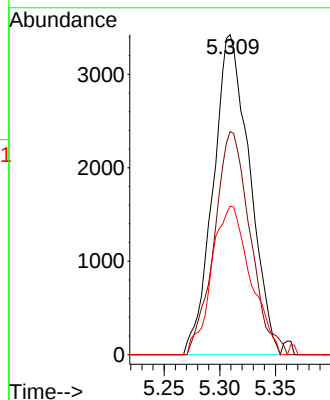
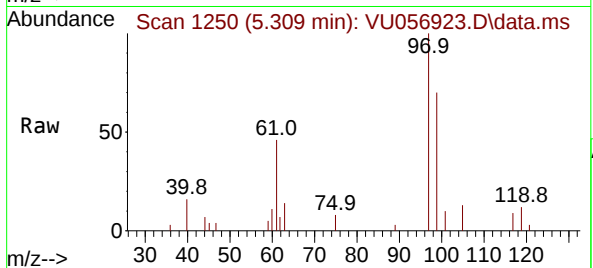
MDL-WATER-QT4-2023-08

Tgt Ion: 97	Resp: 778
Ion Ratio	Lower Upper
97 100	
99 68.6	52.5 78.7
61 49.6	34.2 51.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#30

Cyclohexane

Concen: 0.224 ug/L

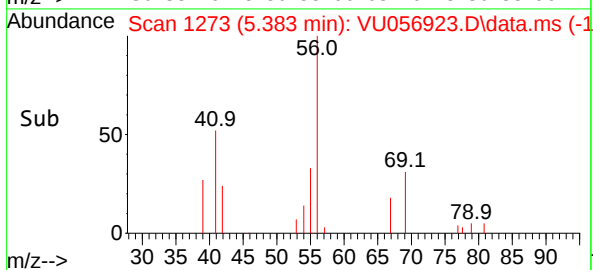
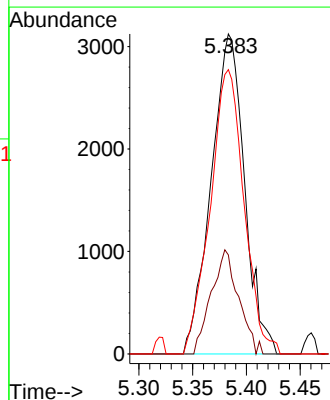
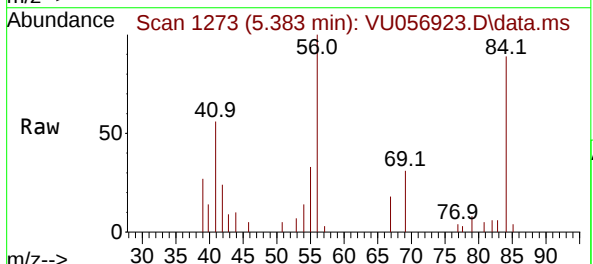
RT: 5.383 min Scan# 1273

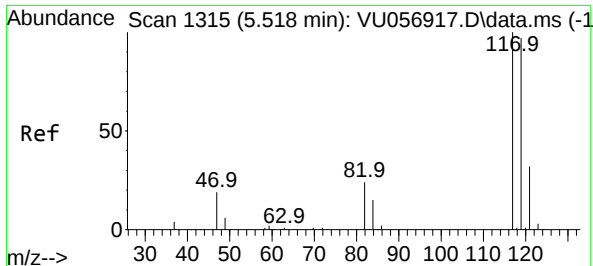
Delta R.T. -0.000 min

Lab File: VU056923.D

Acq: 16 Dec 2023 13:37

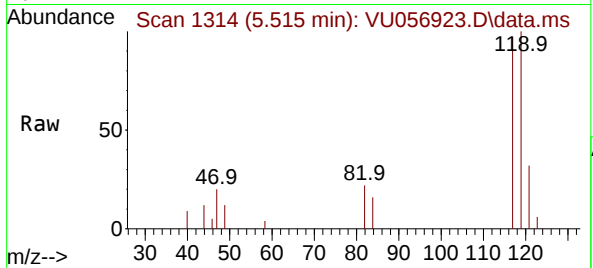
Tgt Ion: 56	Resp: 6736
Ion Ratio	Lower Upper
56 100	
69 26.8	24.9 37.3
84 90.2	67.6 101.4





#31
Carbon tetrachloride
Concen: 0.243 ug/L
RT: 5.515 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

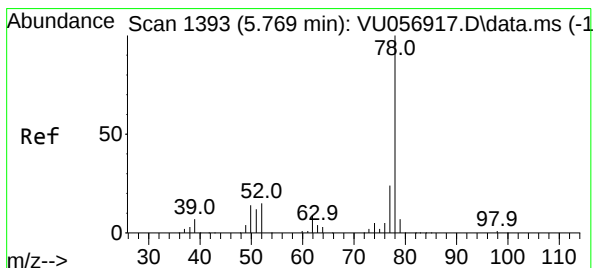
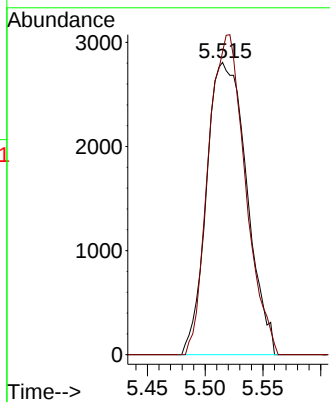
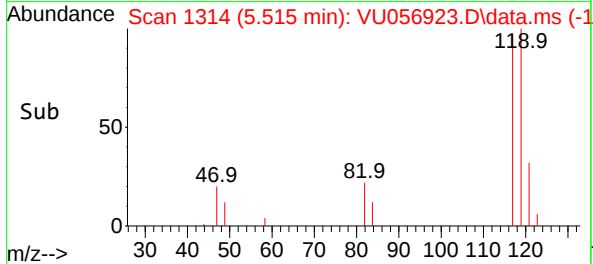
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion:117 Resp: 678
Ion Ratio Lower Upper
117 100
119 100.7 76.2 114.4

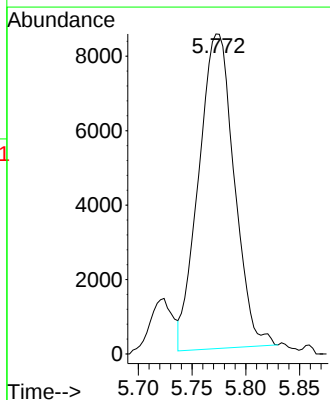
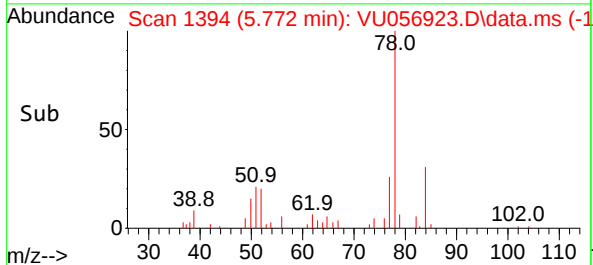
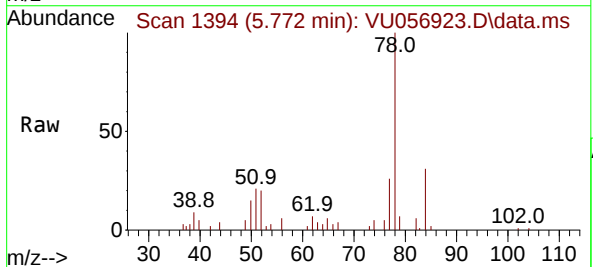
Manual Integrations
APPROVED

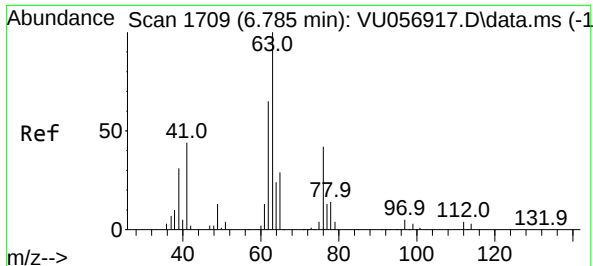
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#33
Benzene
Concen: 0.249 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

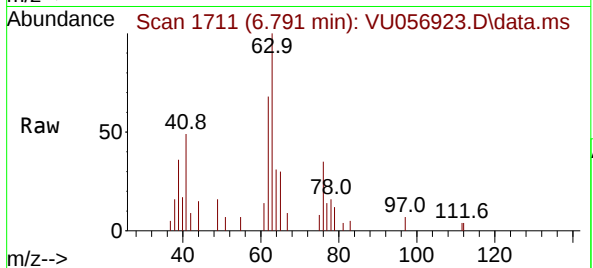
Tgt Ion: 78 Resp: 19419





#37
1,2-Dichloropropane
Concen: 0.255 ug/L
RT: 6.791 min Scan# 1709
Delta R.T. 0.006 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

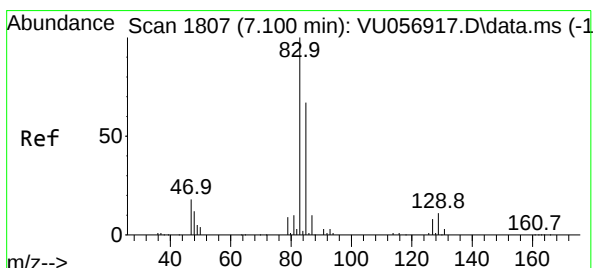
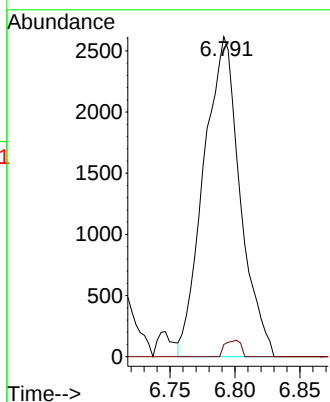
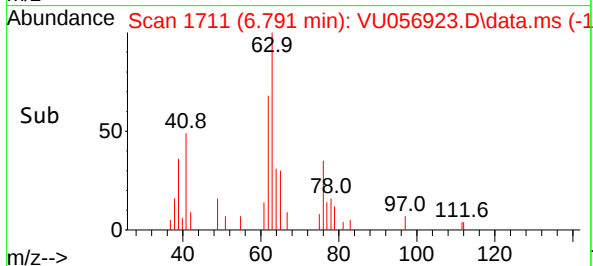
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



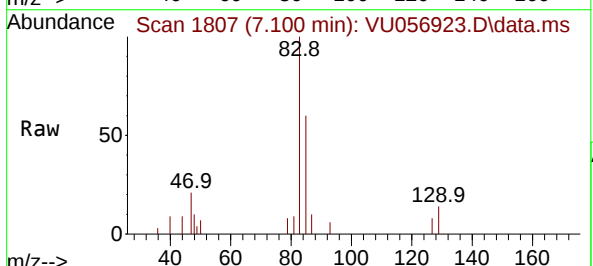
Tgt Ion: 63 Resp: 509
Ion Ratio Lower Upper
63 100
112 2.2 3.3 4.9

Manual Integrations
APPROVED

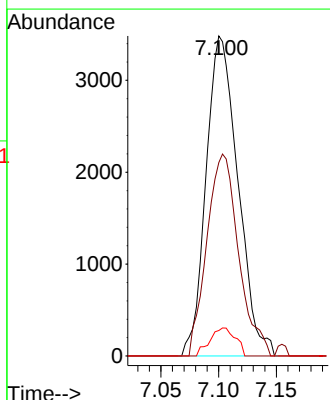
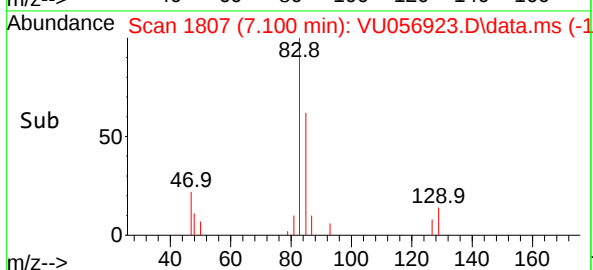
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

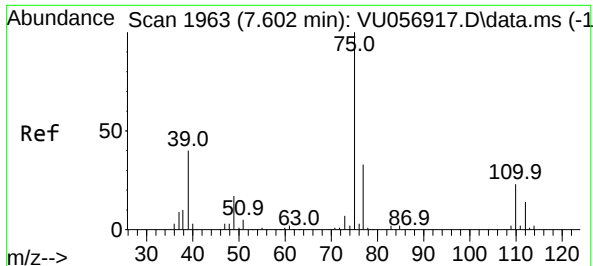


#38
Bromodichloromethane
Concen: 0.263 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37



Tgt Ion: 83 Resp: 6692
Ion Ratio Lower Upper
83 100
85 60.5 45.0 83.6
127 8.0 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 0.235 ug/L

RT: 7.608 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU056923.D

Acq: 16 Dec 2023 13:37

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-08

Tgt Ion: 75 Resp: 6830

Ion Ratio Lower Upper

75 100

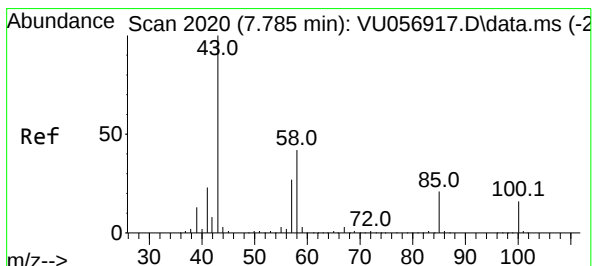
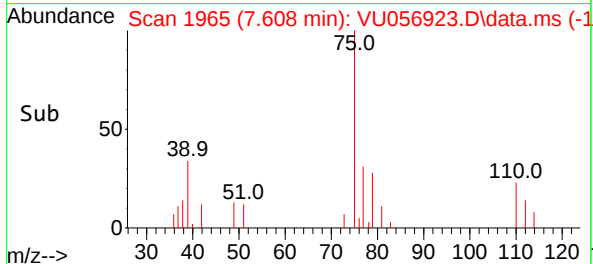
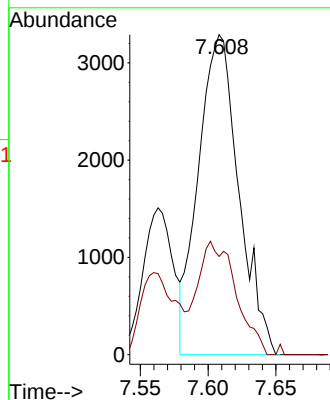
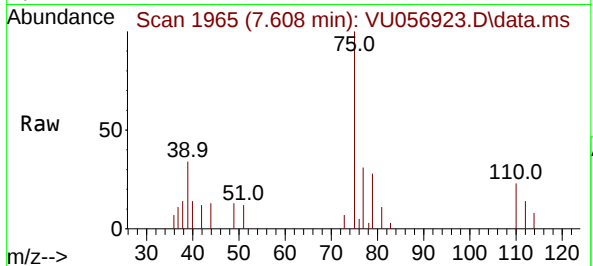
77 30.7 22.3 41.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023

Supervised By :Semsettin Yesilyurt 12/18/2023



#40

4-Methyl-2-pentanone

Concen: 2.560 ug/L

RT: 7.791 min Scan# 2022

Delta R.T. 0.006 min

Lab File: VU056923.D

Acq: 16 Dec 2023 13:37

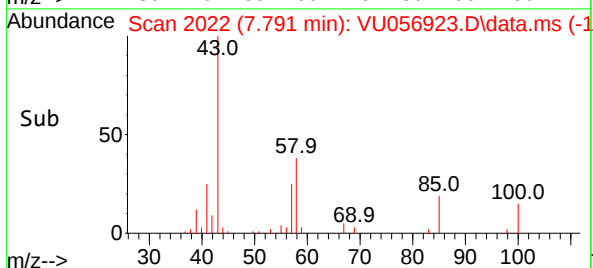
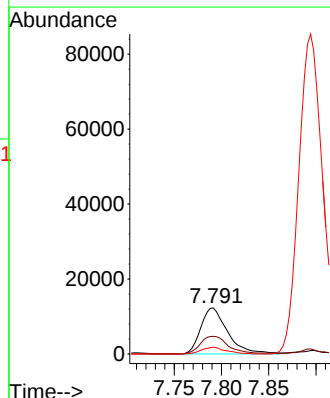
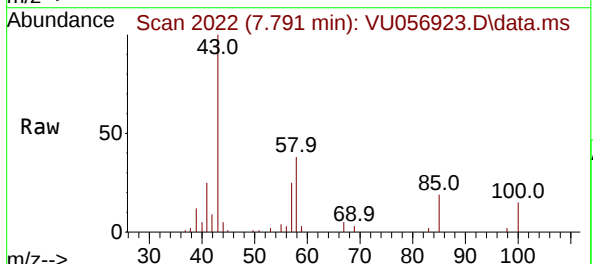
Tgt Ion: 43 Resp: 24269

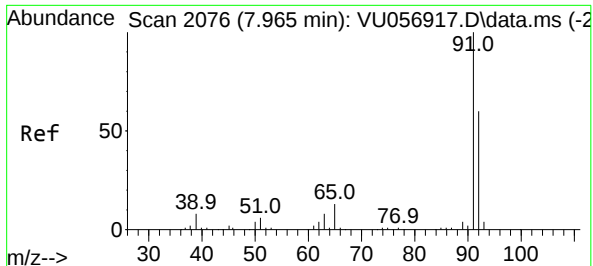
Ion Ratio Lower Upper

43 100

58 40.7 33.7 50.5

100 0.0 13.0 19.4





#42

Toluene

Concen: 0.278 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU056923.D

Acq: 16 Dec 2023 13:37

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-08

Tgt Ion: 91 Resp: 22434

Ion Ratio Lower Upper

91 100

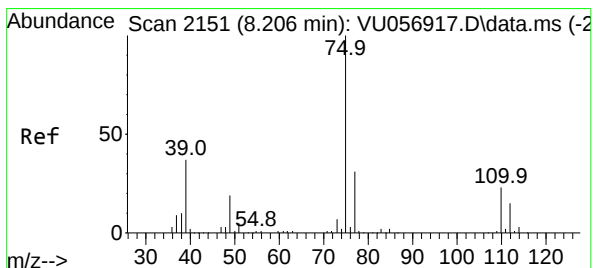
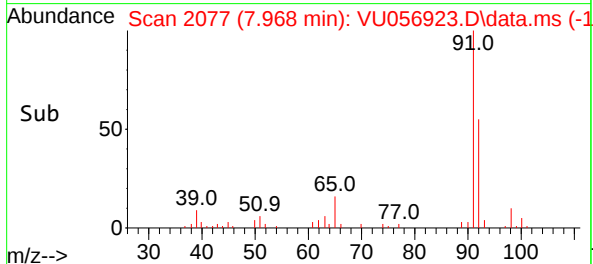
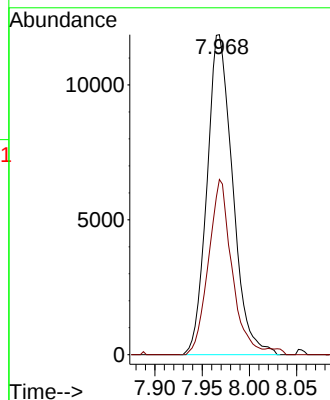
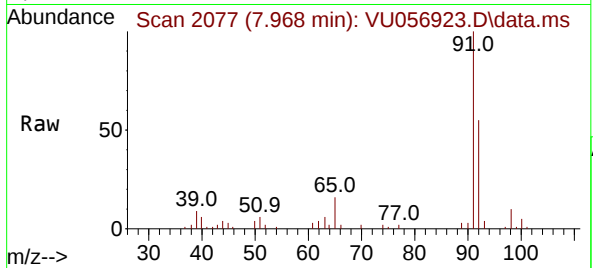
92 54.8 40.4 75.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023

Supervised By :Semsettin Yesilyurt 12/18/2023



#44

trans-1,3-Dichloropropene

Concen: 0.233 ug/L m

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU056923.D

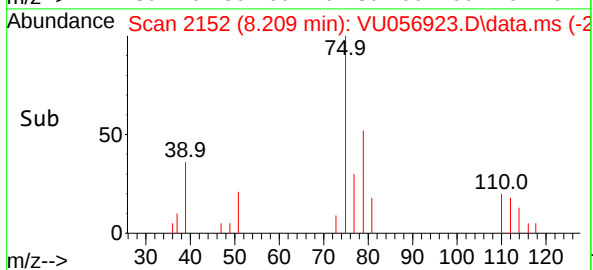
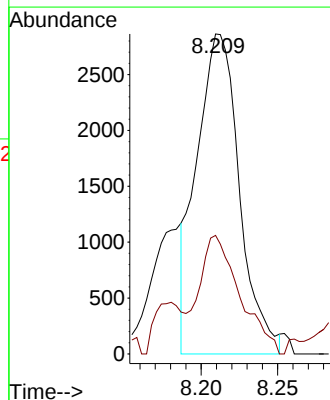
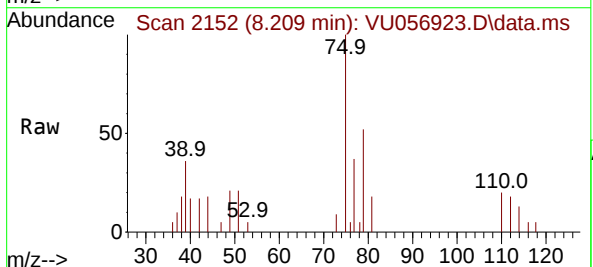
Acq: 16 Dec 2023 13:37

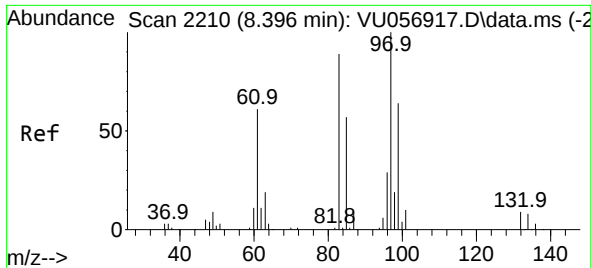
Tgt Ion: 75 Resp: 5566

Ion Ratio Lower Upper

75 100

77 37.1 21.8 40.4





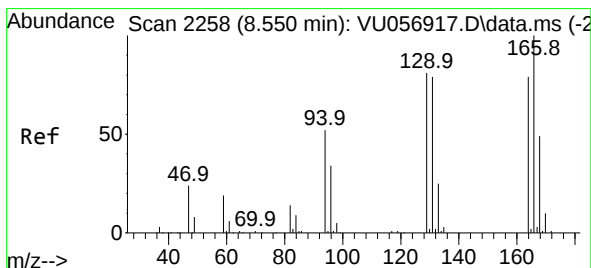
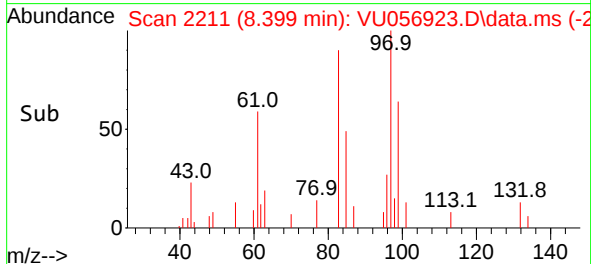
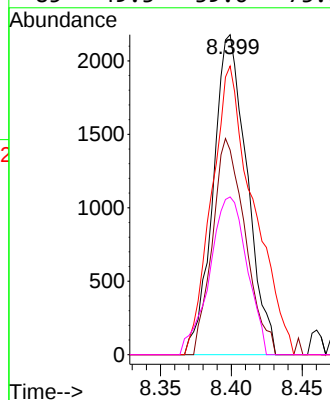
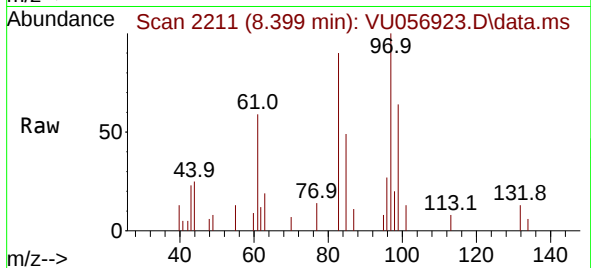
#45
1,1,2-Trichloroethane
Concen: 0.268 ug/L
RT: 8.399 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion:	97	Resp:	3624
Ion	Ratio	Lower	Upper
97	100		
99	64.0	41.9	77.9
83	90.2	59.1	109.7
85	49.3	39.6	73.6

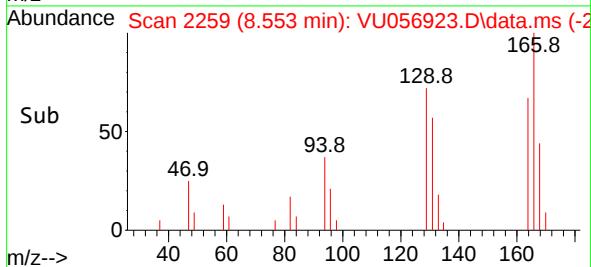
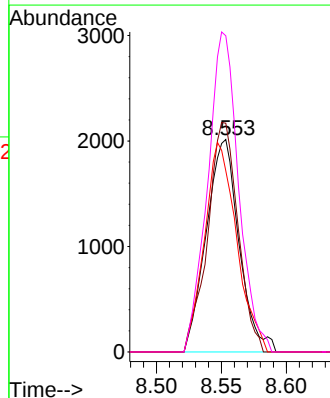
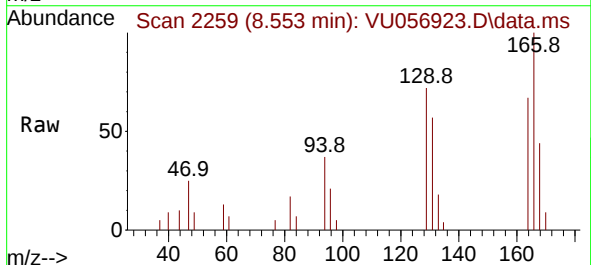
Manual Integrations
APPROVED

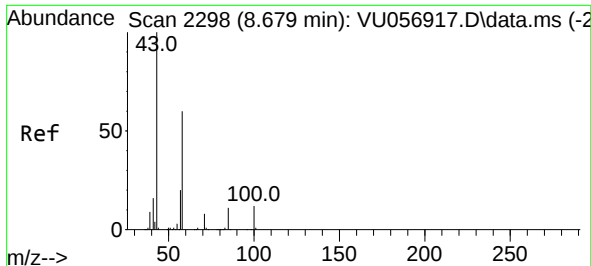
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#47
Tetrachloroethene
Concen: 0.236 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

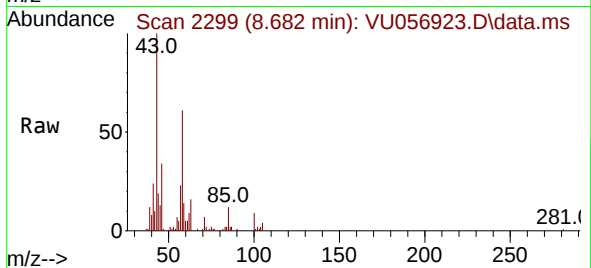
Tgt Ion:	164	Resp:	3536
Ion	Ratio	Lower	Upper
164	100		
129	107.7	73.4	136.4
131	85.3	71.5	132.9
166	148.8	92.7	172.1





#48
2-Hexanone
Concen: 3.427 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.003 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

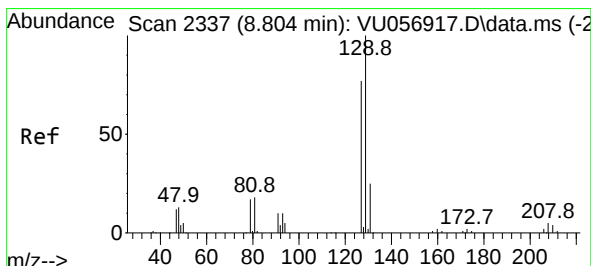
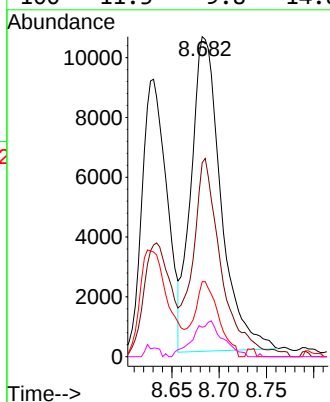
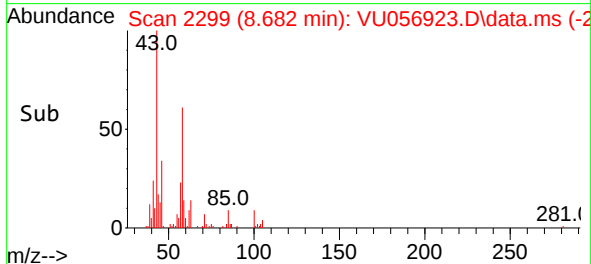
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion: 43 Resp: 23140
Ion Ratio Lower Upper
43 100
58 60.6 47.5 71.3
57 19.6 17.0 25.4
100 11.3 9.8 14.8

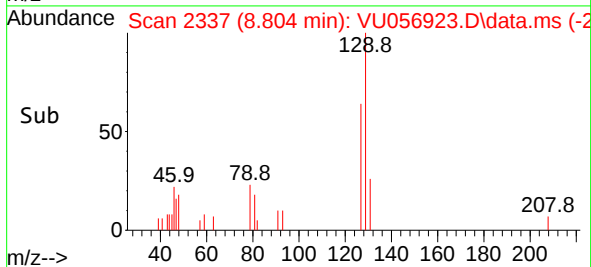
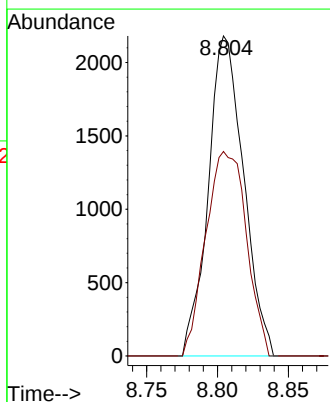
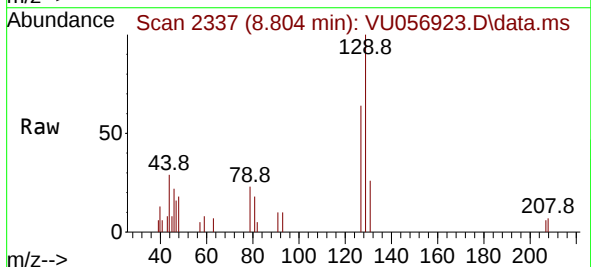
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APPROVED

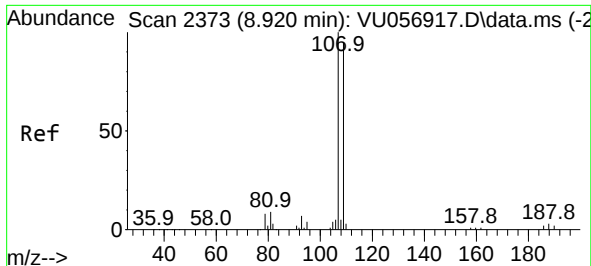
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#49
Dibromochloromethane
Concen: 0.244 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

Tgt Ion:129 Resp: 3788
Ion Ratio Lower Upper
129 100
127 63.9 53.9 100.1





#50

1,2-Dibromoethane

Concen: 0.261 ug/L

RT: 8.926 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU056923.D

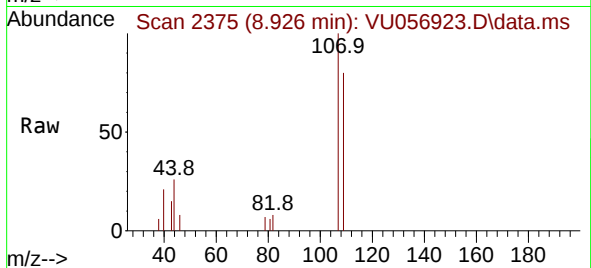
Acq: 16 Dec 2023 13:37

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-08



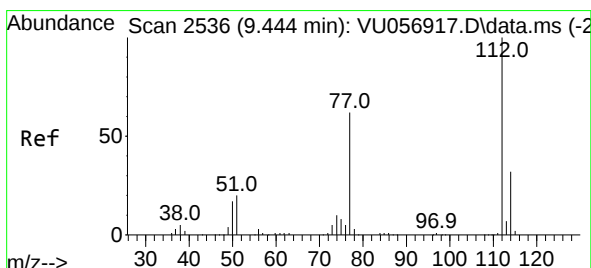
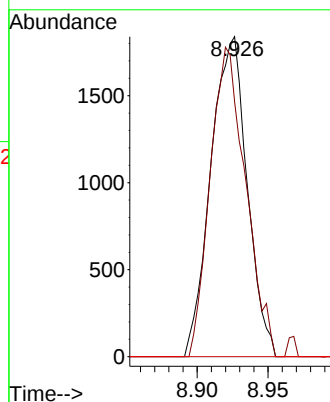
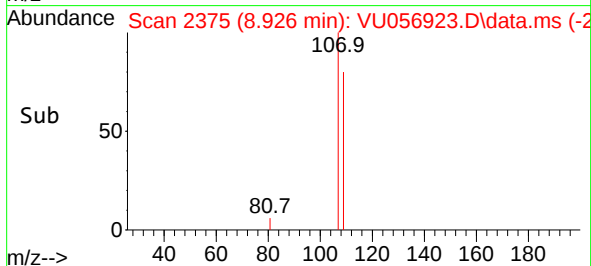
Tgt Ion:	107	Resp:	3270
Ion	Ratio	Lower	Upper
107	100		
109	79.7	66.5	123.5
188	0.0	2.9	4.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023

Supervised By :Semsettin Yesilyurt 12/18/2023



#51

Chlorobenzene

Concen: 0.249 ug/L

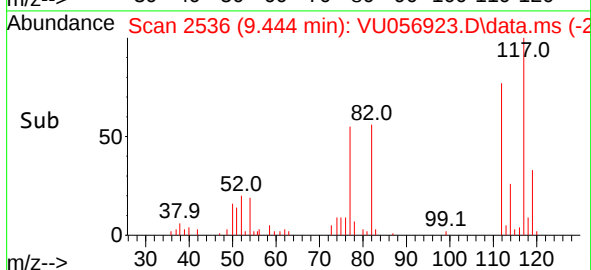
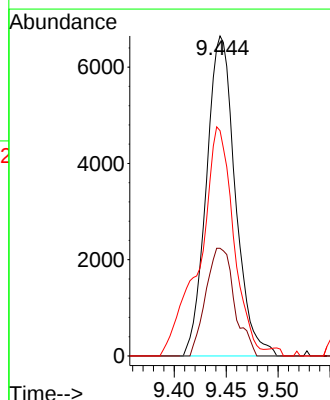
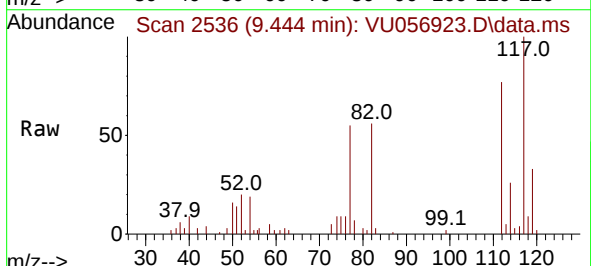
RT: 9.444 min Scan# 2536

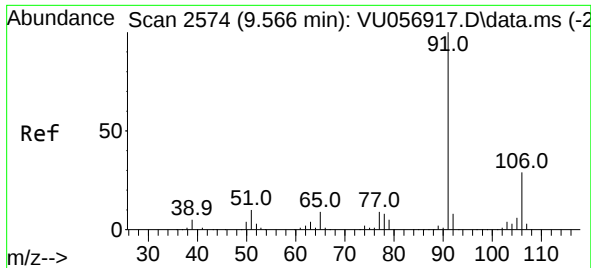
Delta R.T. -0.000 min

Lab File: VU056923.D

Acq: 16 Dec 2023 13:37

Tgt Ion:	112	Resp:	12833
Ion	Ratio	Lower	Upper
112	100		
114	33.7	21.9	40.7
77	70.4	51.6	77.4





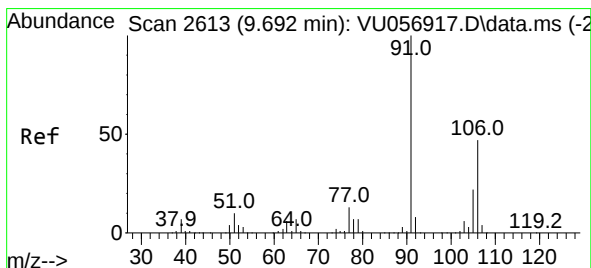
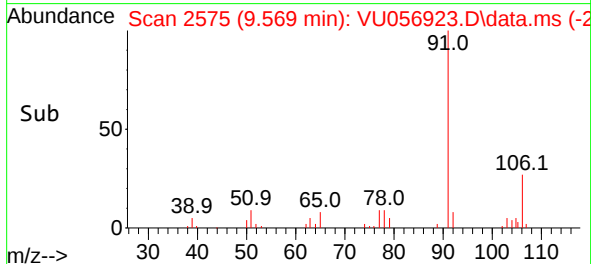
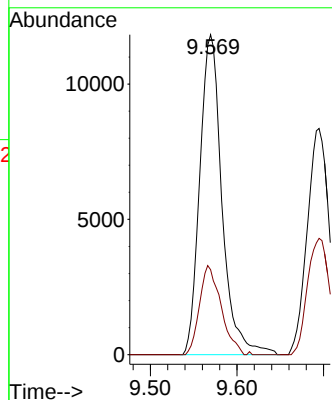
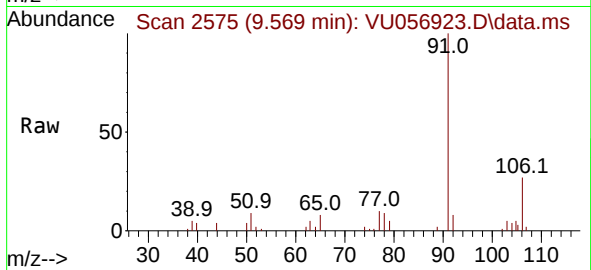
#52
Ethylbenzene
Concen: 0.236 ug/L
RT: 9.569 min Scan# 2101
Delta R.T. 0.003 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion: 91 Resp: 2101
Ion Ratio Lower Upper
91 100
106 26.5 20.6 38.4

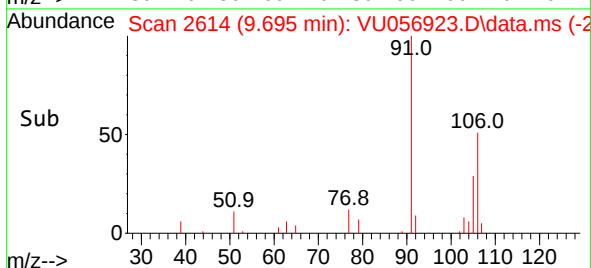
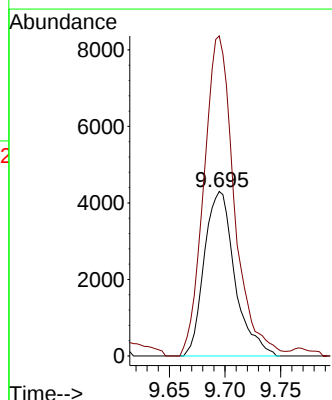
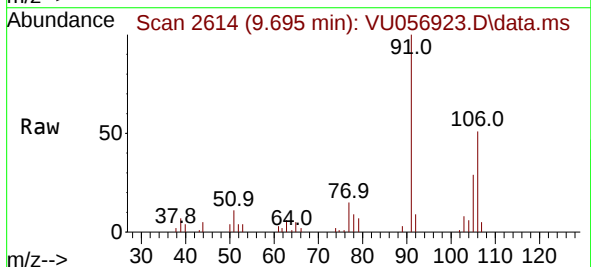
Manual Integrations
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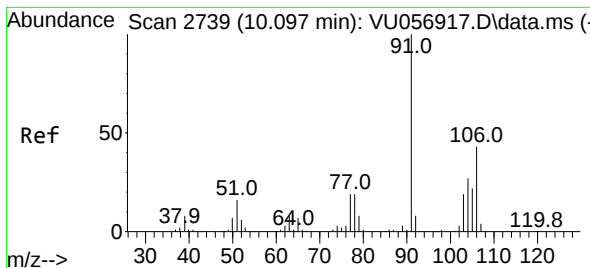
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#53
m,p-Xylene
Concen: 0.247 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.003 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

Tgt Ion:106 Resp: 8206
Ion Ratio Lower Upper
106 100
91 194.6 154.0 286.0





#54

o-Xylene

Concen: 0.227 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056923.D

Acq: 16 Dec 2023 13:37

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-08

Tgt Ion:106 Resp: 7169

Ion Ratio Lower Upper

106 100

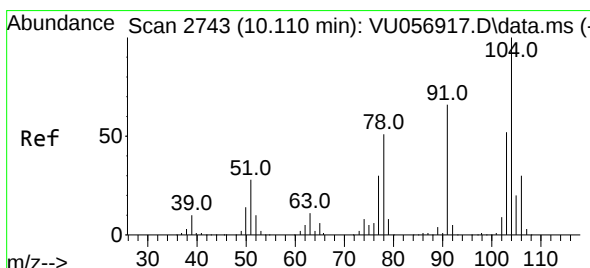
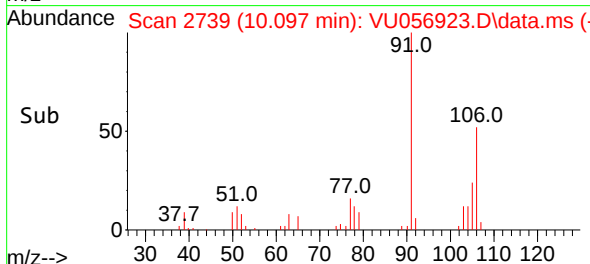
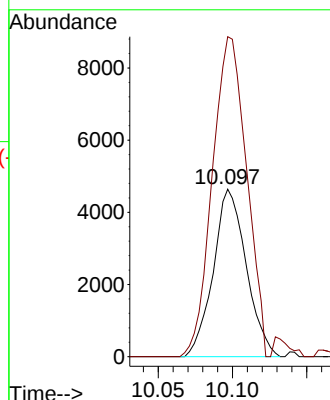
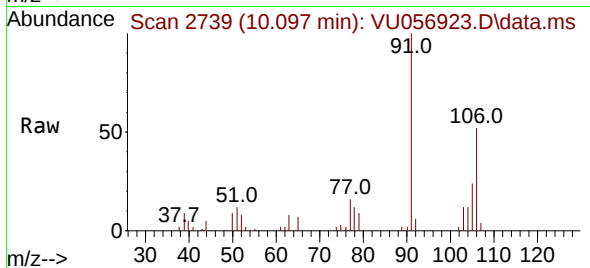
91 191.1 160.2 297.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023

Supervised By :Semsettin Yesilyurt 12/18/2023



#55

Styrene

Concen: 0.183 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.003 min

Lab File: VU056923.D

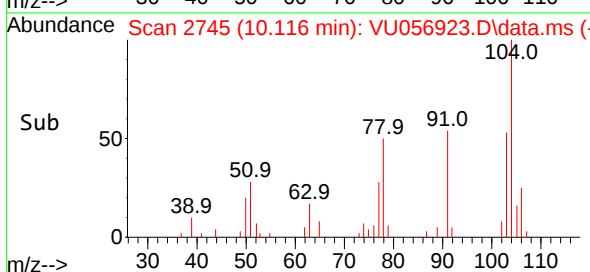
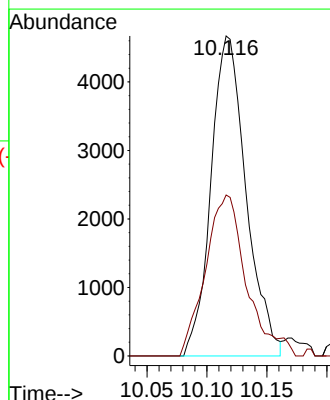
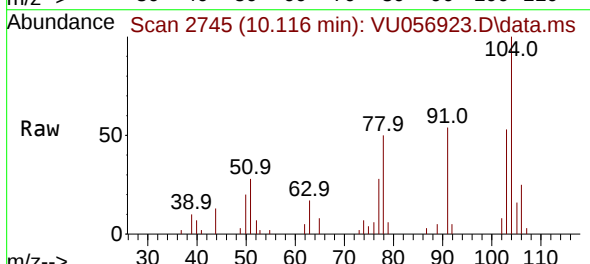
Acq: 16 Dec 2023 13:37

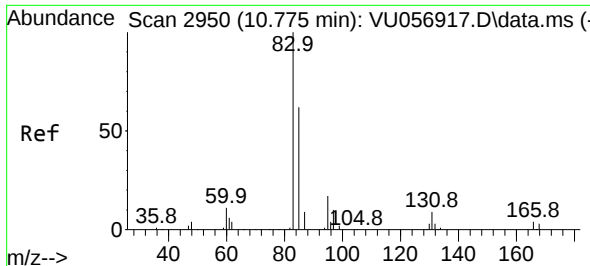
Tgt Ion:104 Resp: 9504

Ion Ratio Lower Upper

104 100

78 50.3 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 0.241 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.003 min

Lab File: VU056923.D

Acq: 16 Dec 2023 13:37

Instrument :

MSVOA_U

ClientSampleId :

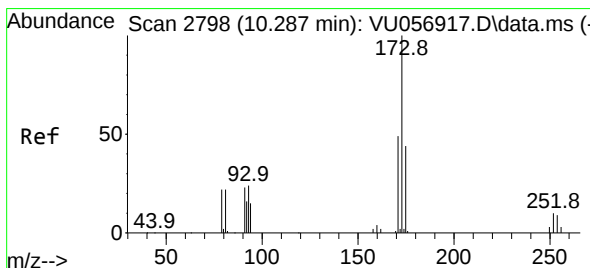
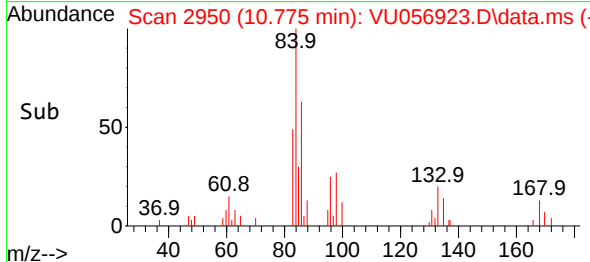
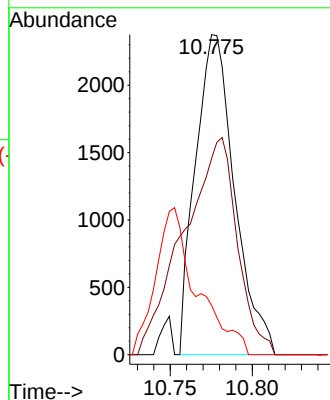
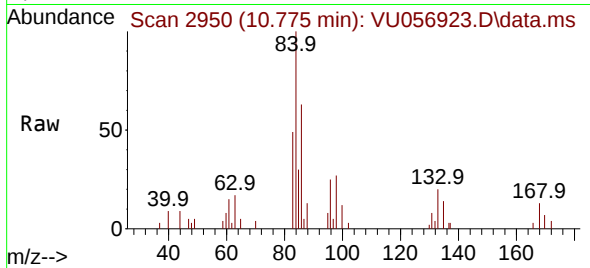
MDL-WATER-QT4-2023-08

Tgt Ion:	83	Resp:	393
Ion Ratio	Lower	Upper	
83	100		
85	61.3	45.4	84.4
131	15.5	6.6	9.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#59

Bromoform

Concen: 0.311 ug/L

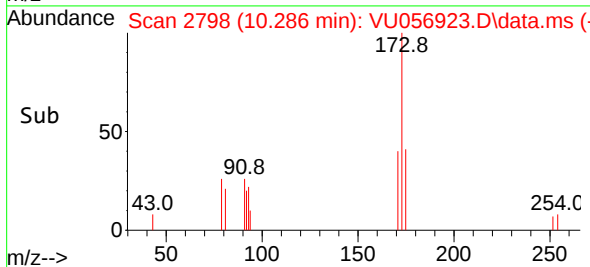
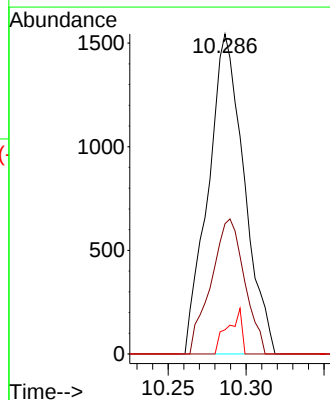
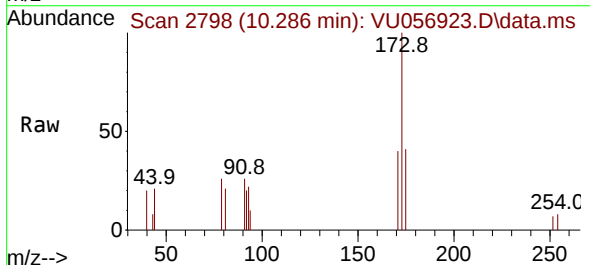
RT: 10.286 min Scan# 2798

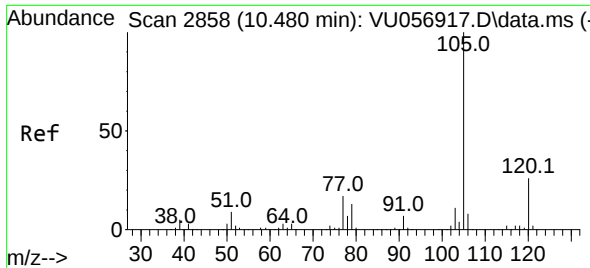
Delta R.T. -0.000 min

Lab File: VU056923.D

Acq: 16 Dec 2023 13:37

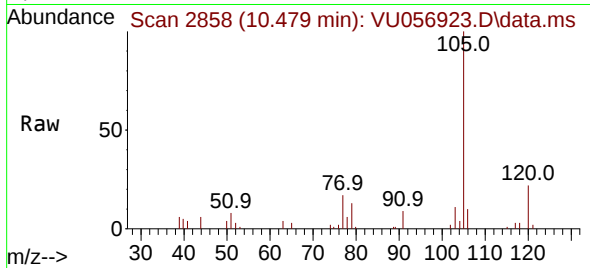
Tgt Ion:	173	Resp:	2473
Ion Ratio	Lower	Upper	
173	100		
175	39.4	38.2	57.2
254	5.6	7.0	10.4





#60
Isopropylbenzene
Concen: 0.218 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

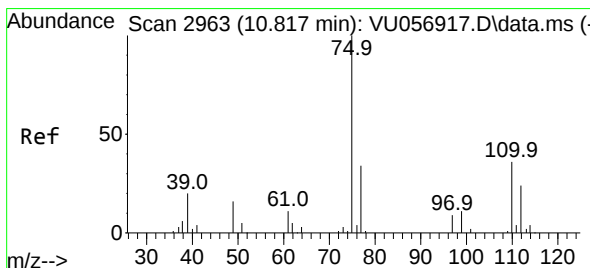
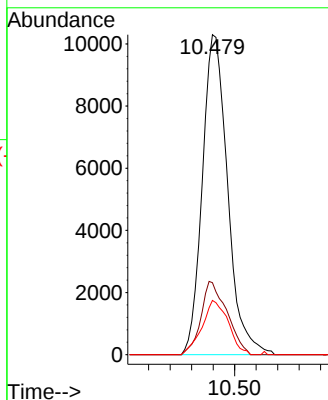
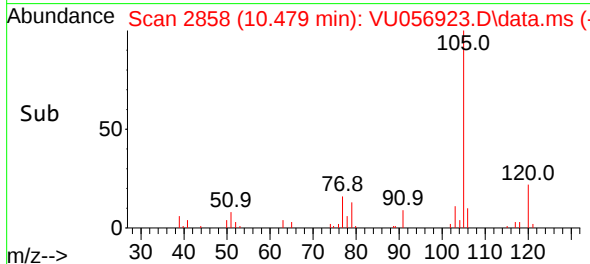
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



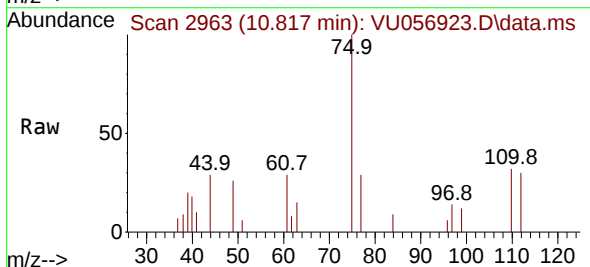
Tgt Ion:105 Resp: 1683
Ion Ratio Lower Upper
105 100
120 23.5 20.1 30.1
77 17.6 13.2 19.8

Manual Integrations
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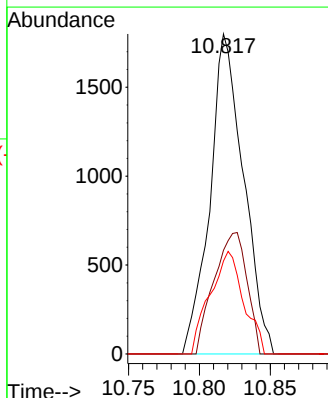
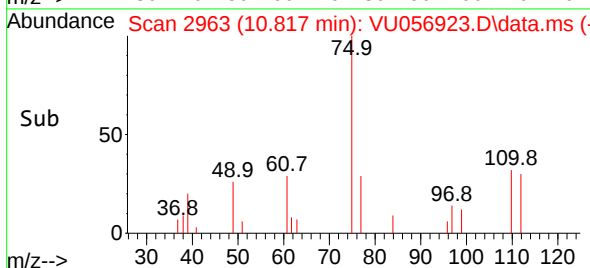
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

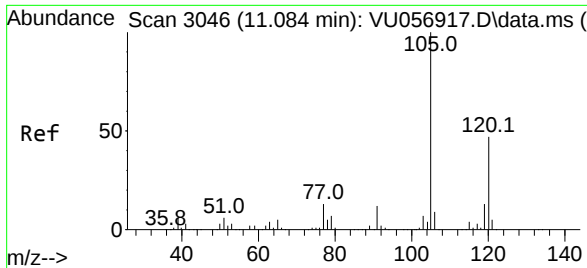


#61
1,2,3-Trichloropropane
Concen: 0.283 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37



Tgt Ion: 75 Resp: 2963
Ion Ratio Lower Upper
75 100
110 37.4 28.4 42.6
77 32.1 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 0.216 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU056923.D

Acq: 16 Dec 2023 13:37

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-08

Tgt Ion:105 Resp: 1361

Ion Ratio Lower Upper

105 100

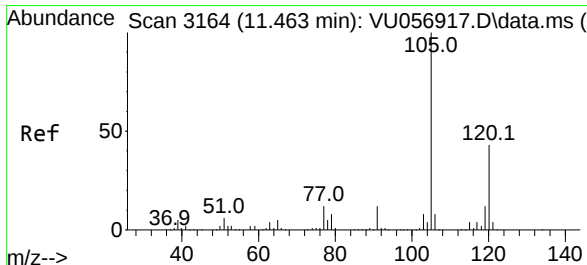
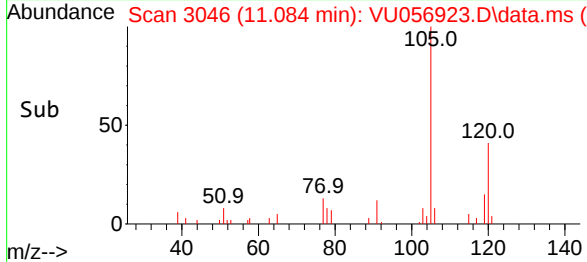
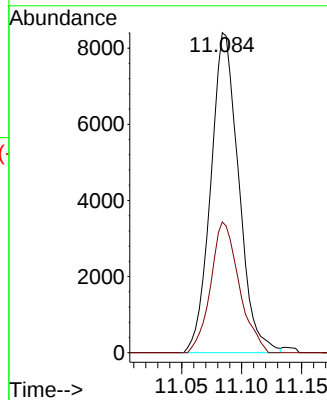
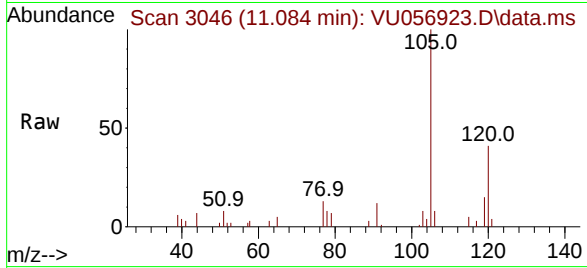
120 41.6 36.8 55.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023

Supervised By :Semsettin Yesilyurt 12/18/2023



#63

1,2,4-Trimethylbenzene

Concen: 0.198 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU056923.D

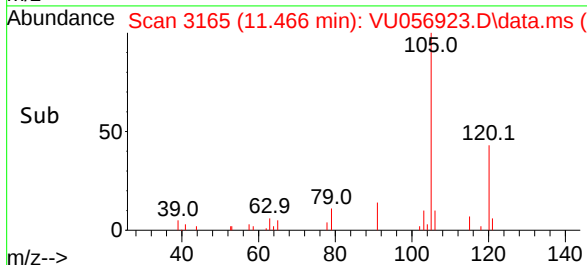
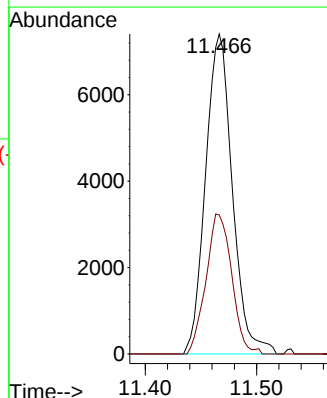
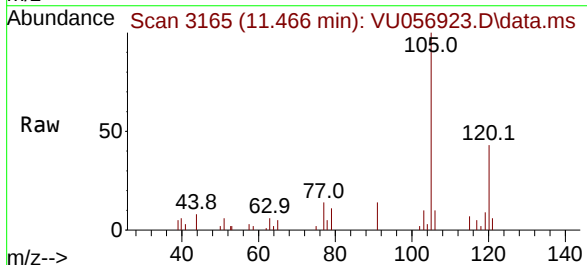
Acq: 16 Dec 2023 13:37

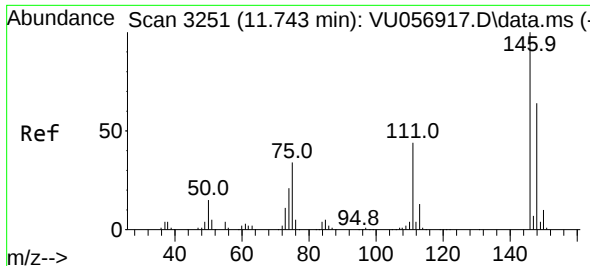
Tgt Ion:105 Resp: 12381

Ion Ratio Lower Upper

105 100

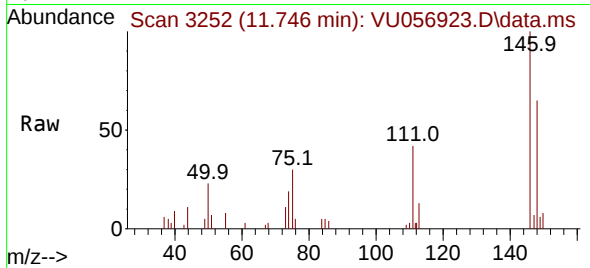
120 42.0 34.2 51.4





#64
1,3-Dichlorobenzene
Concen: 0.242 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

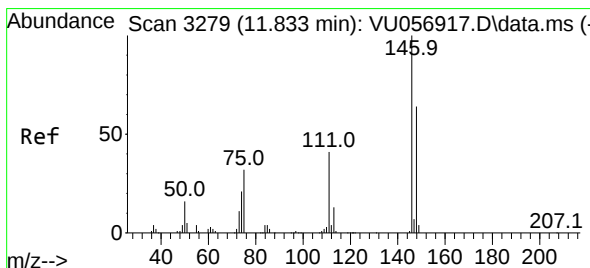
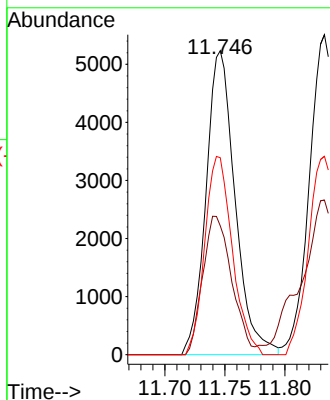
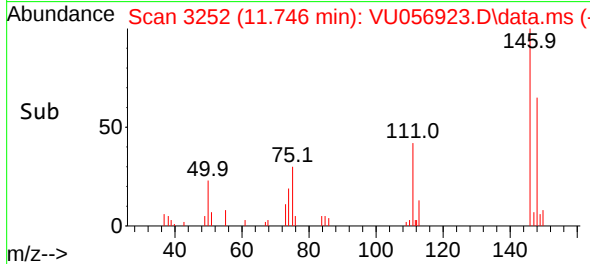
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



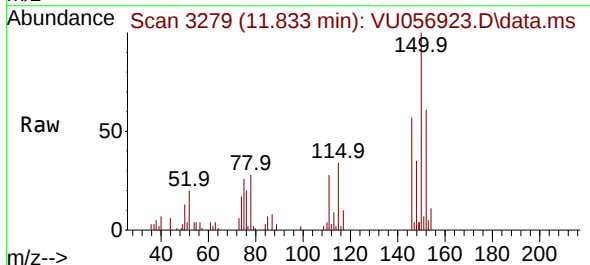
Tgt Ion:146 Resp: 882
Ion Ratio Lower Upper
146 100
111 45.6 31.7 58.9
148 64.8 44.3 82.3

Manual Integrations
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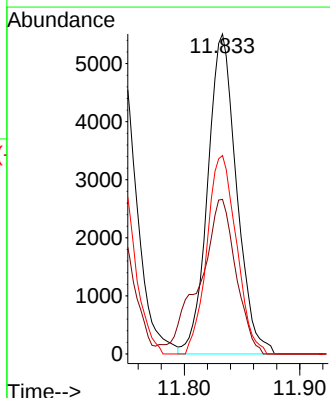
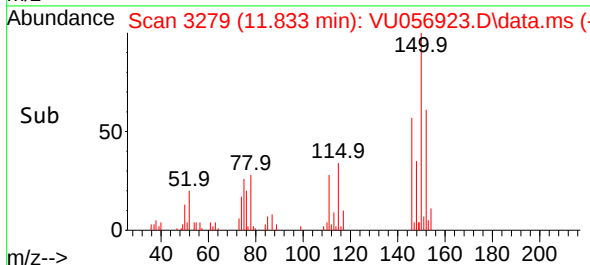
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

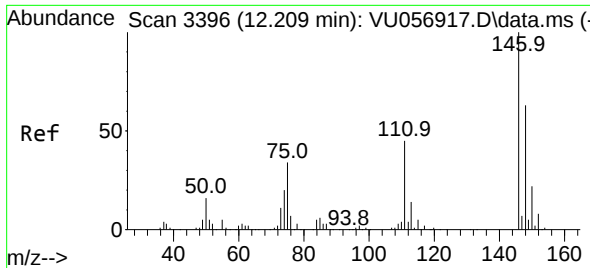


#65
1,4-Dichlorobenzene
Concen: 0.267 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37



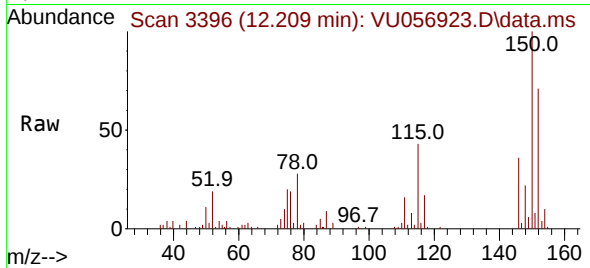
Tgt Ion:146 Resp: 9570
Ion Ratio Lower Upper
146 100
111 48.3 31.2 58.0
148 62.0 45.6 84.8





#67
1,2-Dichlorobenzene
Concen: 0.301 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. -0.000 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37

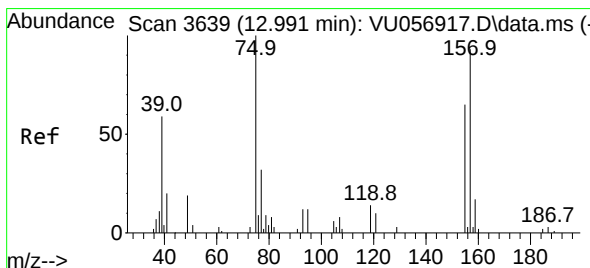
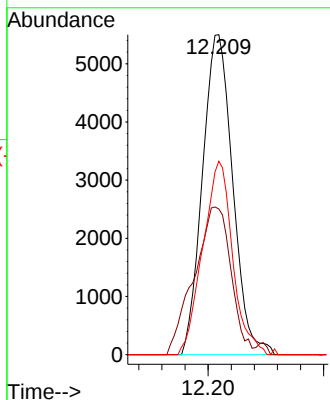
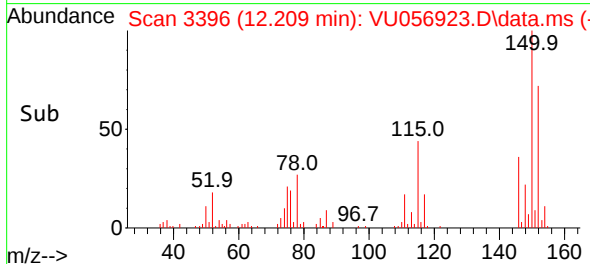
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2023-08



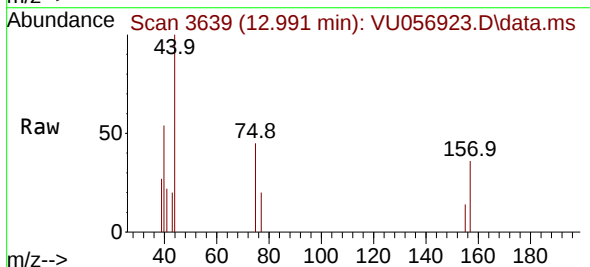
Tgt Ion:146 Resp: 1000
Ion Ratio Lower Upper
146 100
111 45.6 36.9 55.3
148 60.4 53.0 79.4

Manual Integrations
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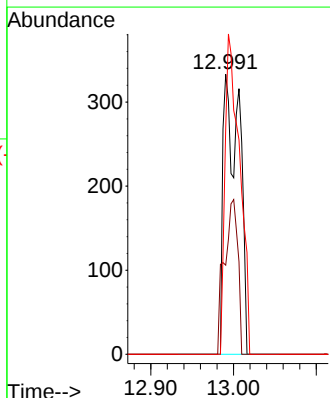
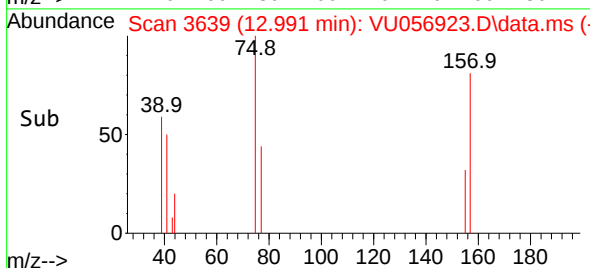
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

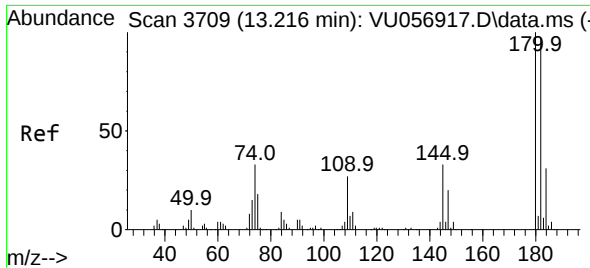


#68
1,2-Dibromo-3-chloropropane
Concen: 0.214 ug/L m
RT: 12.991 min Scan# 3639
Delta R.T. -0.000 min
Lab File: VU056923.D
Acq: 16 Dec 2023 13:37



Tgt Ion: 75 Resp: 448
Ion Ratio Lower Upper
75 100
155 31.8 55.4 83.2#
157 80.8 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 0.210 ug/L

RT: 13.219 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU056923.D

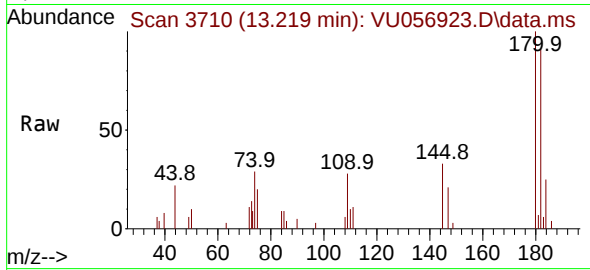
Acq: 16 Dec 2023 13:37

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-08



Tgt Ion:180 Resp: 579

Ion Ratio Lower Upper

180 100

182 100.1 76.2 114.4

184 29.0 24.6 37.0

145 33.7 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023

Supervised By :Semsettin Yesilyurt 12/18/2023

