

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU073124\
 Data File : VU060277.D
 Acq On : 31 Jul 2024 12:25
 Operator : MD/SY
 Sample : P3391-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2024-05

Quant Time: Aug 01 01:10:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 01 00:19:02 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/01/2024
 Supervised By :Semsettin Yesilyurt 08/01/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	231757	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	234550	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	94137	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	89261	59.986	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 119.980%			
7) Chloroethane-d5	1.901	69	69205	55.292	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.580%			
11) 1,1-Dichloroethene-d2	2.557	63	105252	39.814	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 79.620%			
21) 2-Butanone-d5	4.612	46	111923	108.230	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 108.230%			
24) Chloroform-d	5.052	84	138500	48.063	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.120%			
26) 1,2-Dichloroethane-d4	5.692	65	84871	49.534	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.060%			
32) Benzene-d6	5.718	84	282799	47.085	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.180%			
36) 1,2-Dichloropropane-d6	6.682	67	96251	51.779	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 103.560%			
41) Toluene-d8	7.891	98	239920	42.005	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 84.020%			
43) trans-1,3-Dichloroprop...	8.174	79	39103	44.954	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 89.900%			
47) 2-Hexanone-d5	8.624	63	64588	82.445	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 82.440%			
56) 1,1,2,2-Tetrachloroeth...	10.750	84	139014	48.723	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.440%			
66) 1,2-Dichlorobenzene-d4	12.187	152	81430	47.073	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	3254	2.261	ug/L	91
3) Chloromethane	1.518	50	4572	3.237	ug/L	89
5) Vinyl chloride	1.602	62	4904	2.958	ug/L #	79
6) Bromomethane	1.840	94	2758	3.167	ug/L	96
8) Chloroethane	1.924	64	2849m	2.639	ug/L	
9) Trichlorofluoromethane	2.133	101	5829	2.525	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	4489	3.055	ug/L #	83
12) 1,1-Dichloroethene	2.570	96	3810	2.773	ug/L #	1
13) Acetone	2.621	43	5753m	5.403	ug/L	
14) Carbon disulfide	2.785	76	7857	2.265	ug/L	99
15) Methyl Acetate	2.949	43	5054m	3.148	ug/L	
16) Methylene chloride	3.039	84	6157	3.553	ug/L	96
17) trans-1,2-Dichloroethene	3.348	96	3289	2.325	ug/L	90
18) Methyl tert-butyl Ether	3.354	73	10771	2.344	ug/L	97
19) 1,1-Dichloroethane	3.856	63	7429	2.769	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	3939	2.299	ug/L	97
22) 2-Butanone	4.727	43	6822m	5.207	ug/L	
23) Bromochloromethane	4.972	128	2233	2.471	ug/L #	92
27) 1,2-Dichloroethane	5.795	62	6034	2.753	ug/L	97

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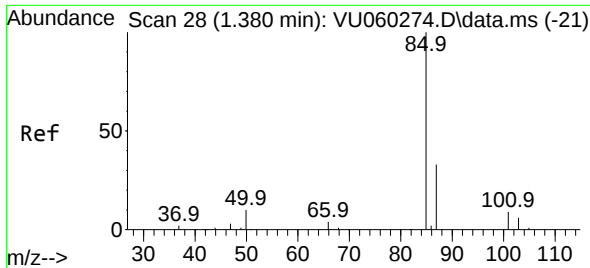
Quant Time: Aug 01 01:10:08 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.383	56	4070	1.938	ug/L #	87
30) 1,1,1-Trichloroethane	5.306	97	5853	2.409	ug/L #	88
31) Carbon tetrachloride	5.518	117	4988	2.485	ug/L	95
34) Trichloroethene	6.538	95	4217	2.495	ug/L	86
35) Methylcyclohexane	6.756	83	4806	2.059	ug/L #	82
37) 1,2-Dichloropropane	6.785	63	5083	2.916	ug/L #	96
38) Bromodichloromethane	7.100	83	5801	2.626	ug/L	95
39) cis-1,3-Dichloropropene	7.602	75	6012	2.254	ug/L	91
40) 4-Methyl-2-pentanone	7.791	43	11106	5.040	ug/L #	95
42) Toluene	7.968	91	15872	2.295	ug/L	95
44) trans-1,3-Dichloropropene	8.209	75	7908	3.228	ug/L	92
45) 1,1,2-Trichloroethane	8.393	97	4715	2.582	ug/L	94
46) Tetrachloroethene	8.550	164	3041	2.187	ug/L	98
48) 2-Hexanone	8.682	43	14844	8.049	ug/L #	92
49) Dibromochloromethane	8.804	129	4502	2.503	ug/L	96
50) 1,2-Dibromoethane	8.923	107	4691	2.457	ug/L #	89
51) Chlorobenzene	9.444	112	11318	2.466	ug/L	98
52) Ethylbenzene	9.566	91	15218	2.061	ug/L	99
53) m,p-Xylene	9.692	106	5265m	1.831	ug/L	
54) o-Xylene	10.097	106	5069	1.833	ug/L	99
55) Styrene	10.119	104	8655m	1.856	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.772	83	8997m	2.922	ug/L	
59) Bromoform	10.287	173	3642	3.200	ug/L #	88
60) 1,2,3-Trichloropropane	10.817	75	6463	3.618	ug/L	98
61) Isopropylbenzene	10.483	105	12524	2.282	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	7932	1.975	ug/L	94
63) 1,2,4-Trimethylbenzene	11.463	105	7982	1.855	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	7002	2.460	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	7136	2.426	ug/L	87
67) 1,2-Dichlorobenzene	12.206	146	7658	2.664	ug/L #	82
68) 1,2-Dibromo-3-chloropr...	12.997	75	1581	3.236	ug/L	88
69) 1,3,5-Trichlorobenzene	13.225	180	4618	2.251	ug/L	96
70) 1,2,4-trichlorobenzene	13.843	180	3643	1.970	ug/L #	93
71) Naphthalene	14.090	128	10524	1.969	ug/L #	85
72) 1,2,3-Trichlorobenzene	14.331	180	3581	1.930	ug/L	94

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



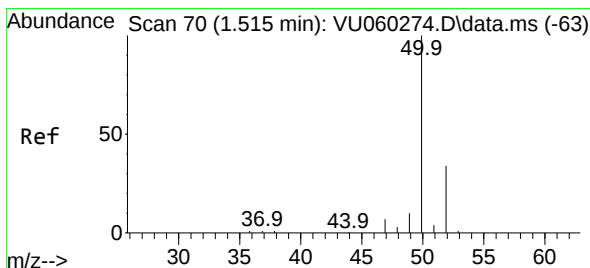
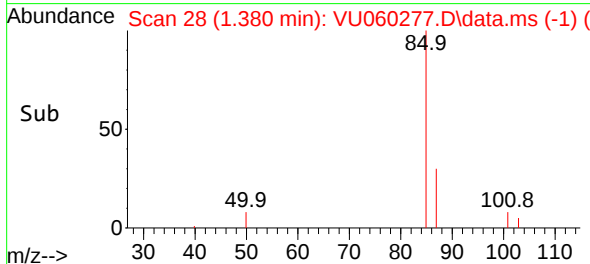
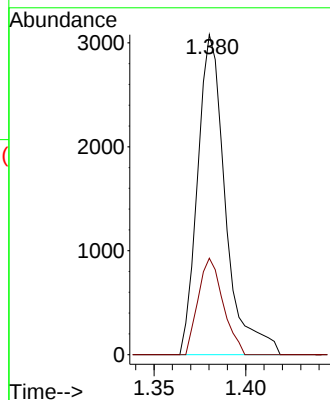
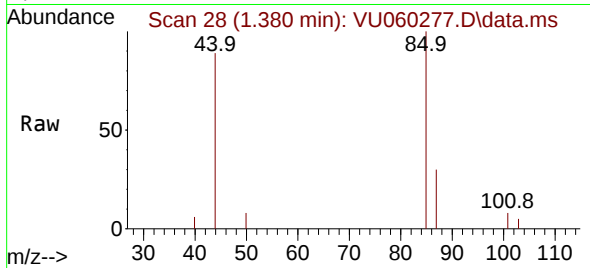
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Dichlorodifluoromethane
Concen: 2.261 ug/L
RT: 1.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-05

Tgt Ion: 85 Resp: 3254
Ion Ratio Lower Upper
85 100
87 27.0 25.4 38.2

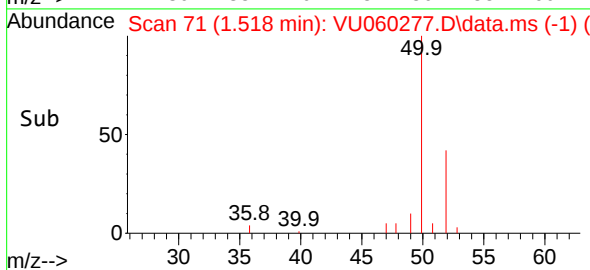
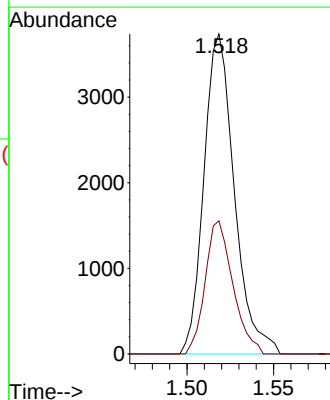
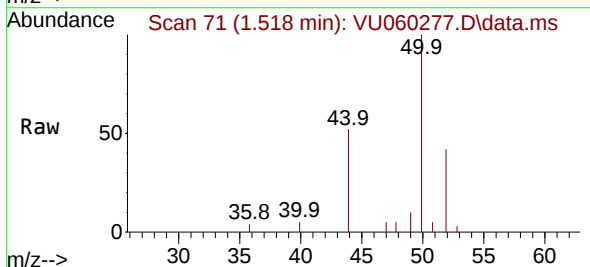
Manual Integrations
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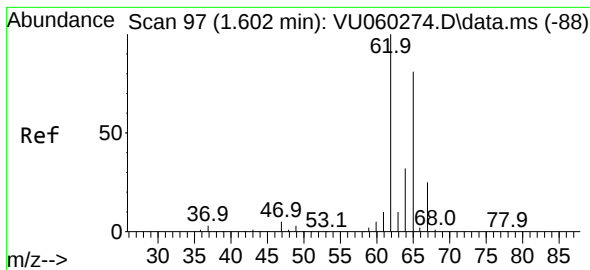
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024



#3
Chloromethane
Concen: 3.237 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Tgt Ion: 50 Resp: 4572
Ion Ratio Lower Upper
50 100
52 41.6 24.5 45.5





#5

Vinyl chloride

Concen: 2.958 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU060277.D

Acq: 31 Jul 2024 12:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-05

Tgt Ion: 62 Resp: 4904

Ion Ratio Lower Upper

62 100

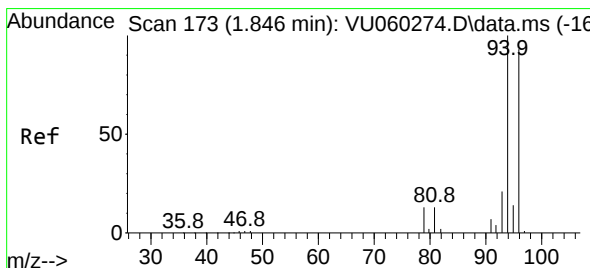
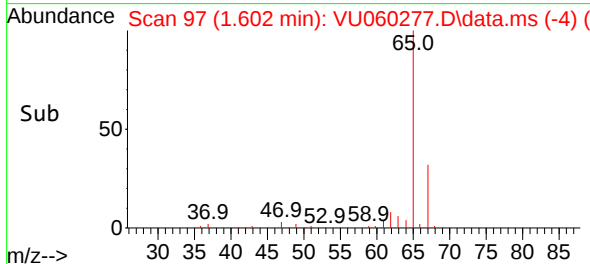
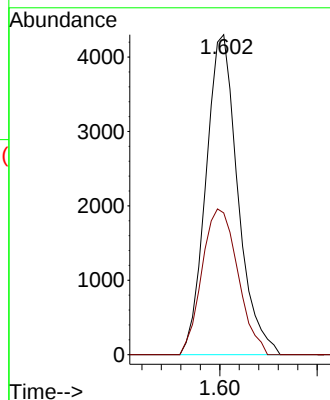
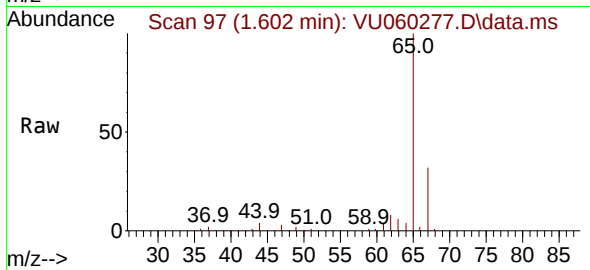
64 44.3 22.9 42.5

Manual Integrations

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Supervised By :Semsettin Yesilyurt 08/01/2024



#6

Bromomethane

Concen: 3.167 ug/L

RT: 1.840 min Scan# 171

Delta R.T. -0.006 min

Lab File: VU060277.D

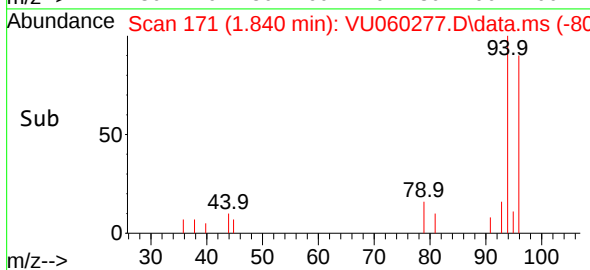
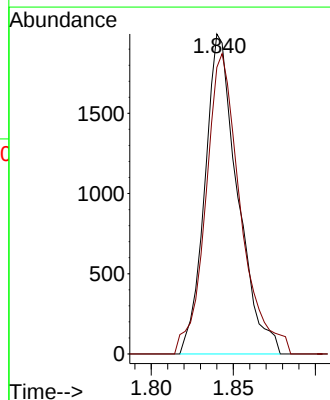
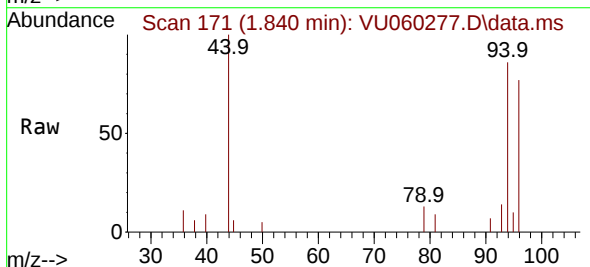
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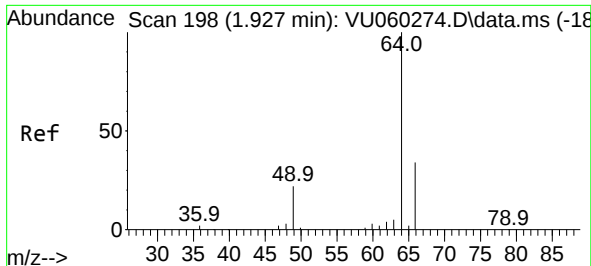
Tgt Ion: 94 Resp: 2758

Ion Ratio Lower Upper

94 100

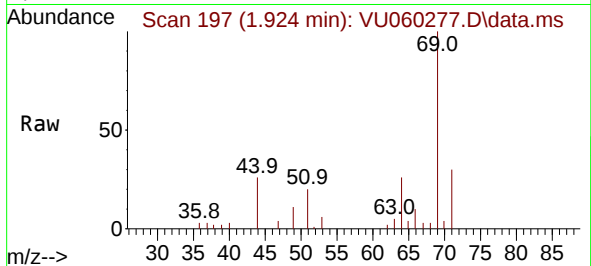
96 89.6 65.2 121.2





#8
Chloroethane
Concen: 2.639 ug/L m
RT: 1.924 min Scan# 198
Delta R.T. -0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

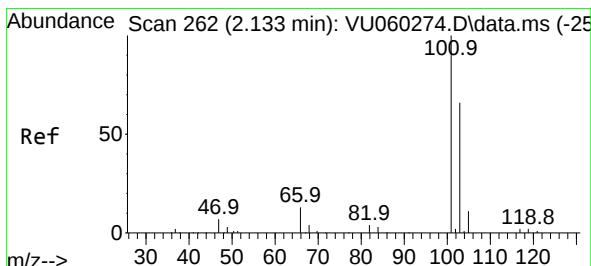
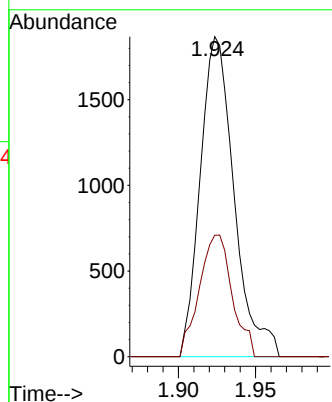
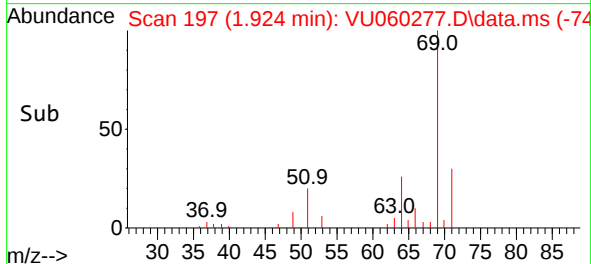
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-05



Tgt Ion: 64 Resp: 2849
Ion Ratio Lower Upper
64 100
66 38.0 22.3 41.3

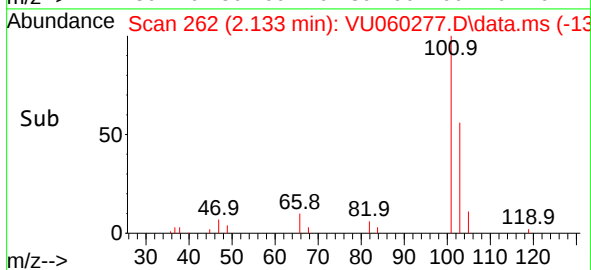
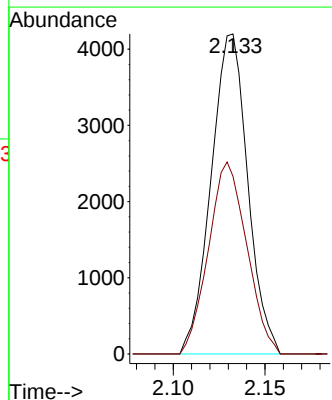
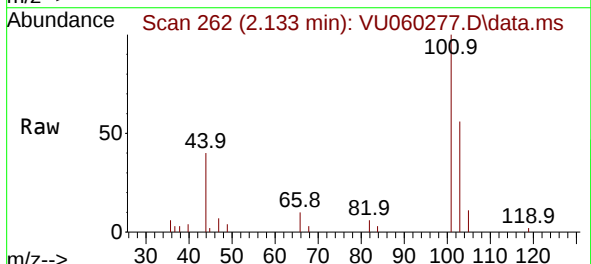
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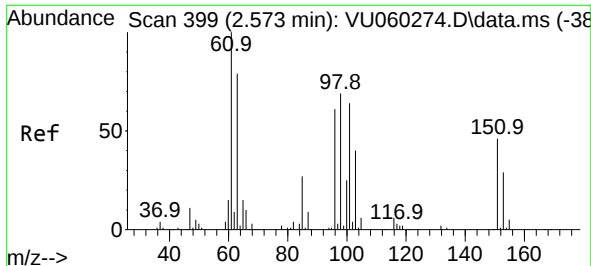
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024



#9
Trichlorofluoromethane
Concen: 2.525 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Tgt Ion:101 Resp: 5829
Ion Ratio Lower Upper
101 100
103 62.6 52.3 78.5





#10

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

Concen: 3.055 ug/L

RT: 2.570 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU060277.D

Acq: 31 Jul 2024 12:25

Instrument :

MSVOA_U

ClientSampleId :

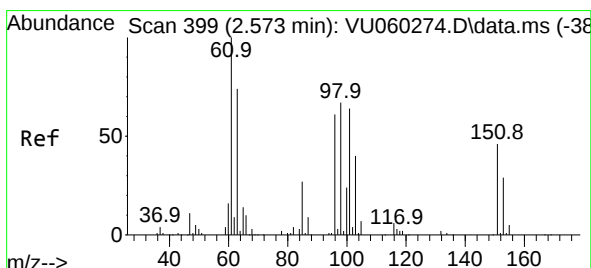
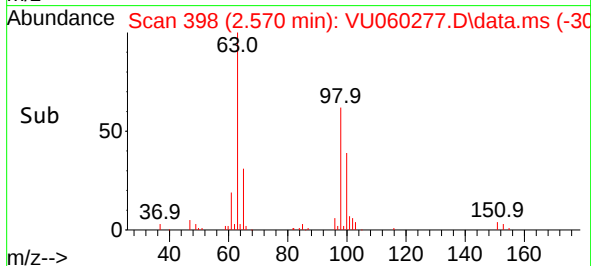
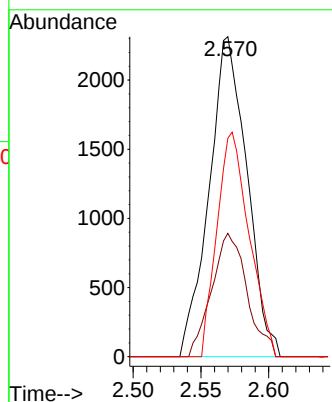
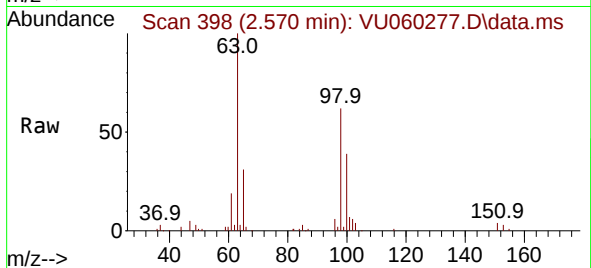
MDL-WATER-QT3-2024-05

Tgt Ion:	101	Resp:	4489
Ion Ratio	Lower	Upper	
101	100		
85	36.0	34.8	52.2
151	59.9	62.3	93.5

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#12

1,1-Dichloroethene

Concen: 2.773 ug/L

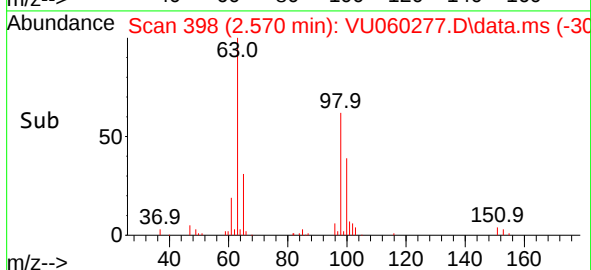
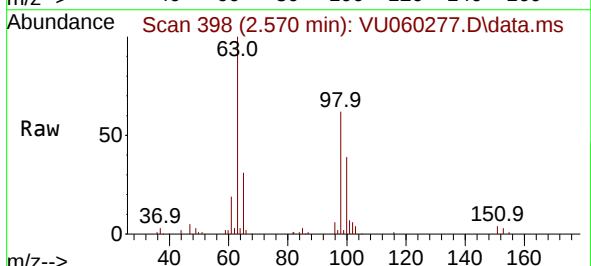
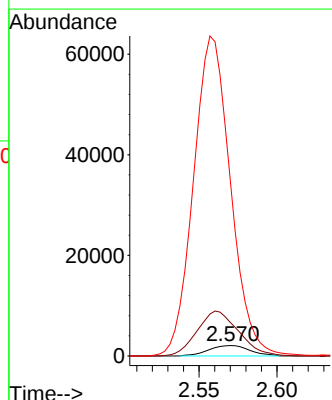
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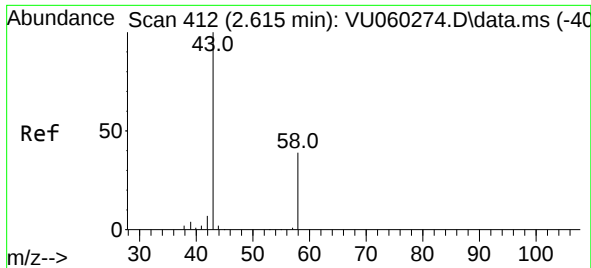
Delta R.T. -0.003 min

Lab File: VU060277.D

Acq: 31 Jul 2024 12:25

Tgt Ion:	96	Resp:	3810
Ion Ratio	Lower	Upper	
96	100		
61	327.2	112.2	208.4#
63	1715.6	87.4	162.2#





#13

Acetone

Concen: 5.403 ug/L m

RT: 2.621 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU060277.D

Acq: 31 Jul 2024 12:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-05

Tgt Ion: 43 Resp: 575

Ion Ratio Lower Upper

43 100

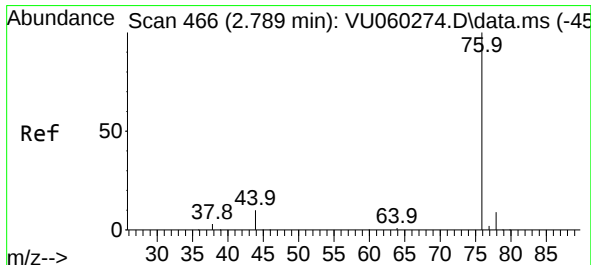
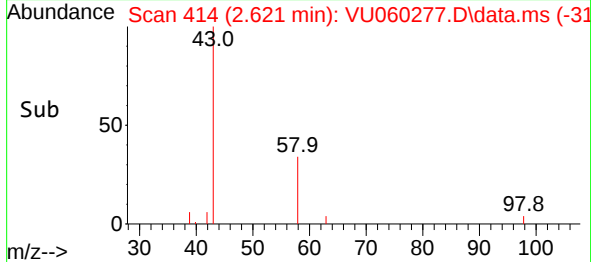
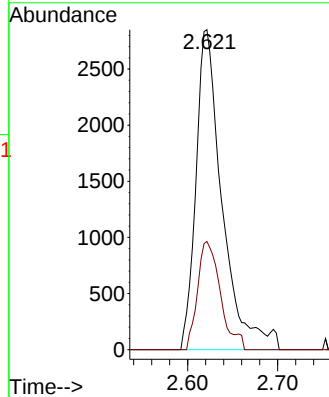
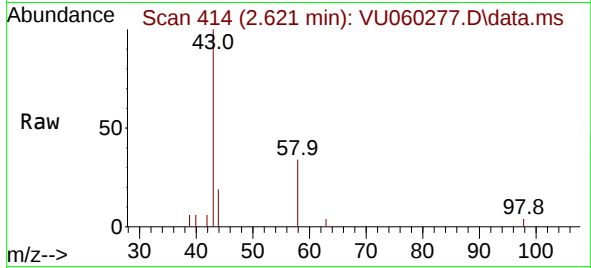
58 28.5 0.0 73.8

Manual Integrations

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Supervised By :Semsettin Yesilyurt 08/01/2024



#14

Carbon disulfide

Concen: 2.265 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU060277.D

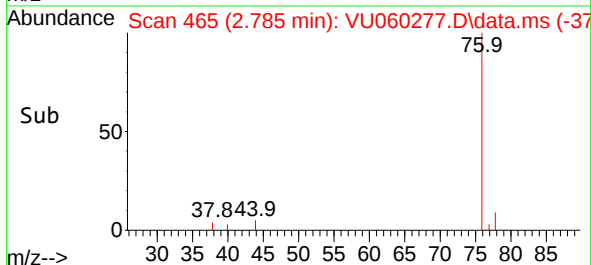
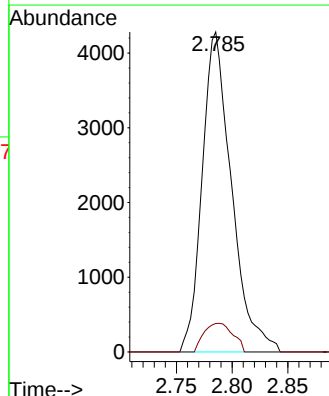
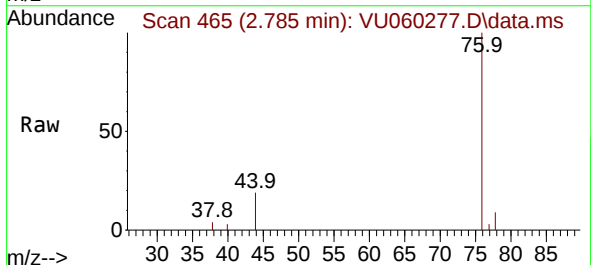
Acq: 31 Jul 2024 12:25

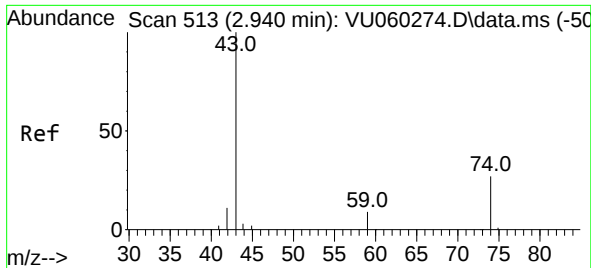
Tgt Ion: 76 Resp: 7857

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4





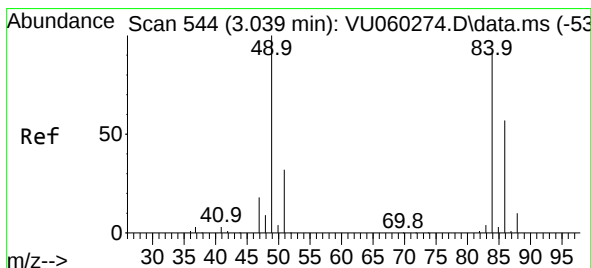
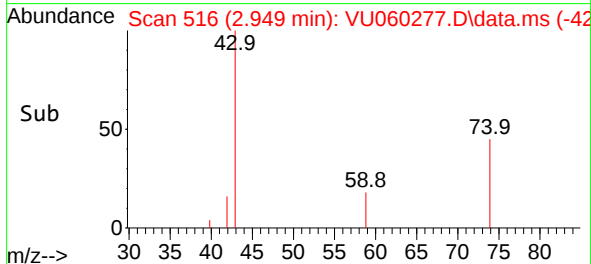
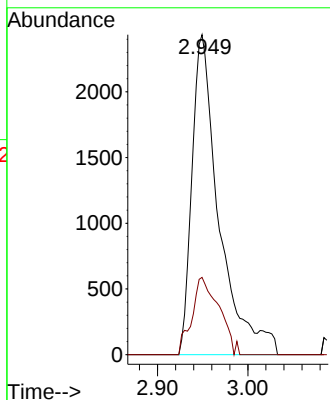
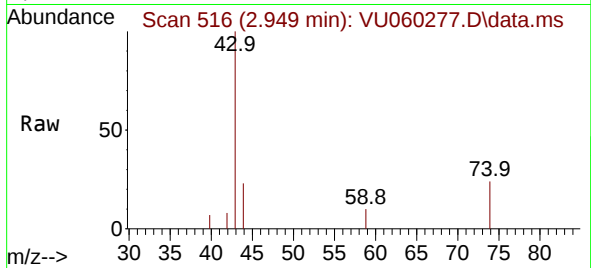
#15
Methyl Acetate
Concen: 3.148 ug/L m
RT: 2.949 min Scan# 513
Delta R.T. 0.010 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2024-05

Tgt Ion: 43 Resp: 5054
Ion Ratio Lower Upper
43 100
74 21.9 24.1 36.1

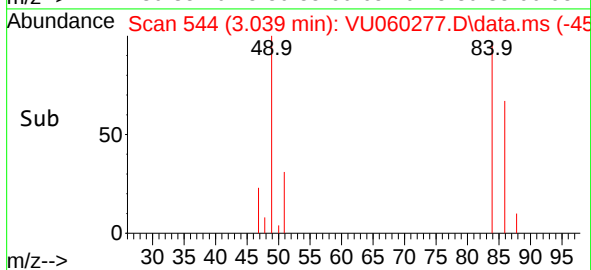
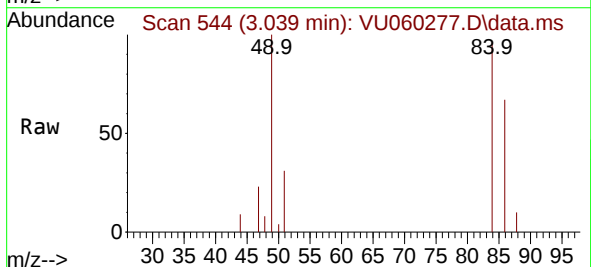
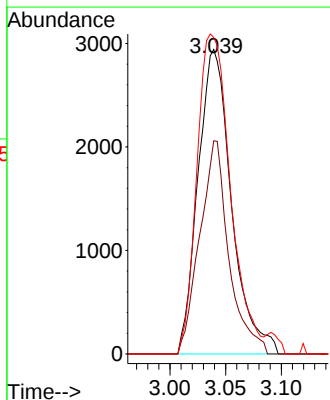
Manual Integrations
APPROVED

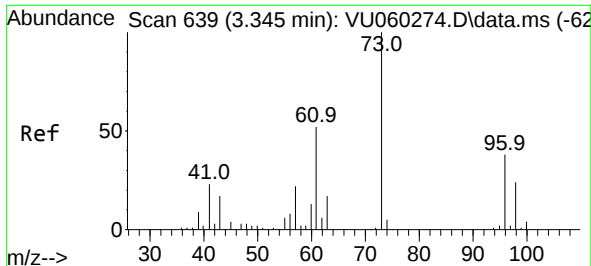
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024



#16
Methylene chloride
Concen: 3.553 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Tgt Ion: 84 Resp: 6157
Ion Ratio Lower Upper
84 100
86 70.0 44.7 83.1
49 104.0 71.6 133.0





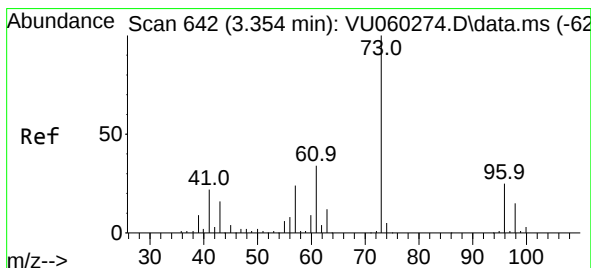
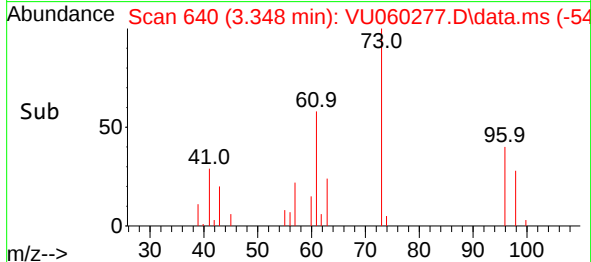
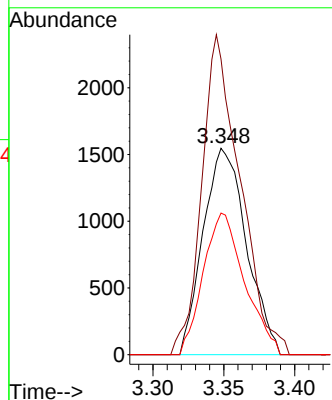
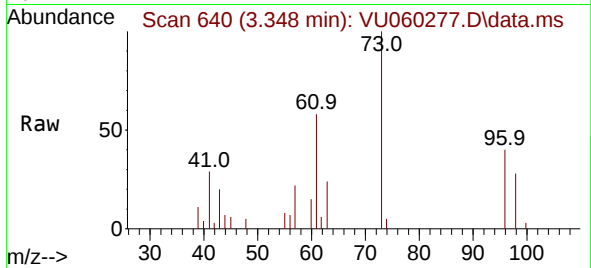
#17
trans-1,2-Dichloroethene
Concen: 2.325 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2024-05

Tgt Ion: 96 Resp: 3289
Ion Ratio Lower Upper
96 100
61 143.2 90.6 168.3
98 68.6 44.9 83.3

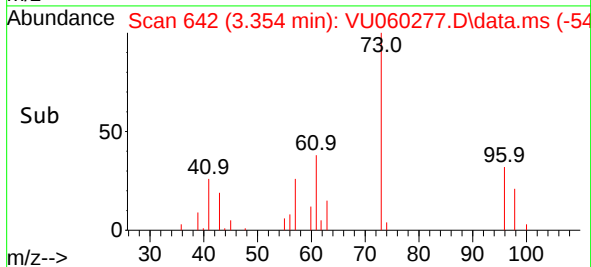
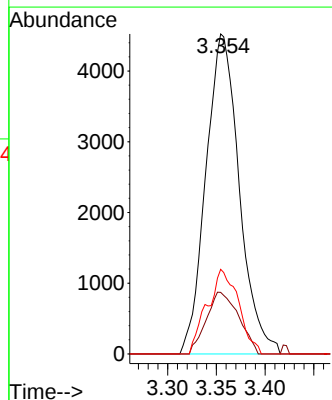
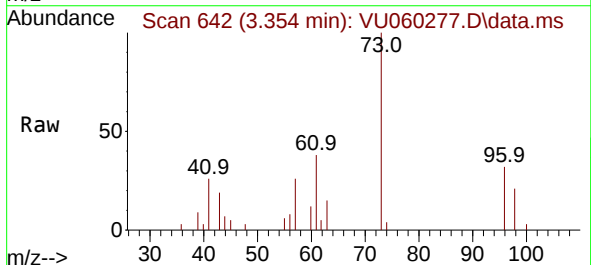
Manual Integrations
APPROVED

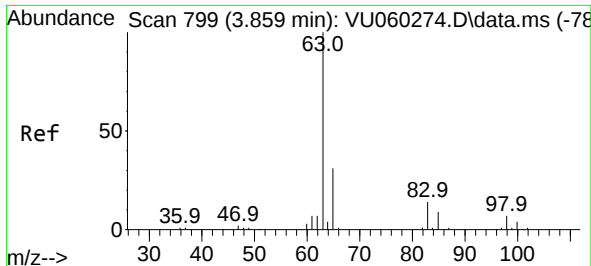
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024



#18
Methyl tert-butyl Ether
Concen: 2.344 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Tgt Ion: 73 Resp: 10771
Ion Ratio Lower Upper
73 100
43 18.7 14.1 21.1
57 19.7 17.1 25.7





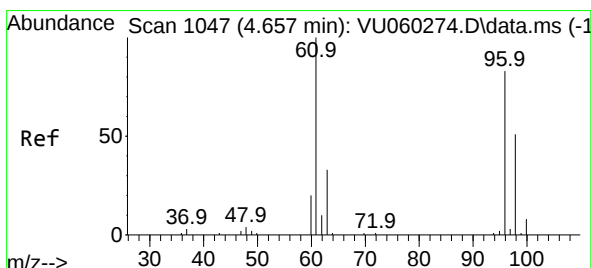
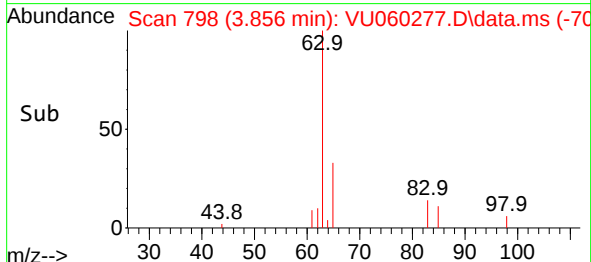
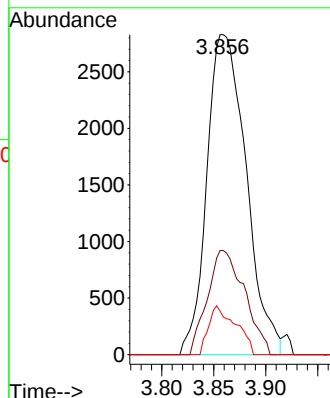
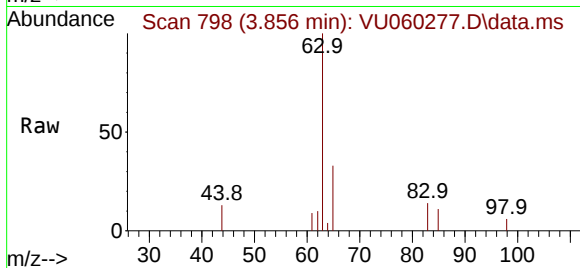
#19
1,1-Dichloroethane
Concen: 2.769 ug/L
RT: 3.856 min Scan# 799
Delta R.T. -0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2024-05

Tgt Ion: 63 Resp: 7429
Ion Ratio Lower Upper
63 100
65 32.6 23.3 43.3
83 13.6 9.8 18.2

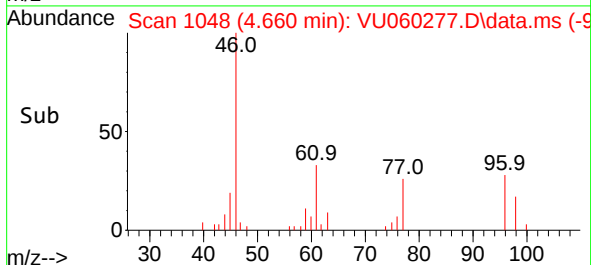
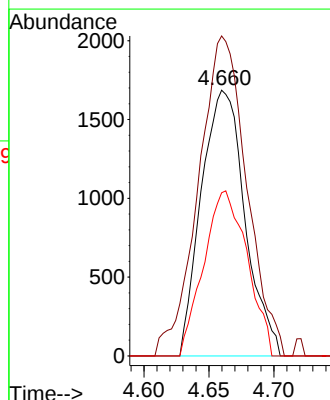
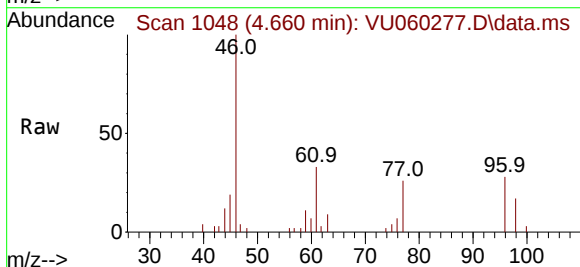
Manual Integrations
APPROVED

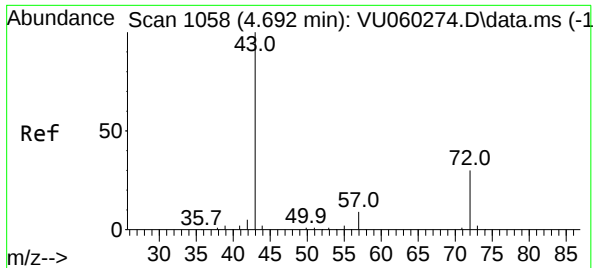
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024



#20
cis-1,2-Dichloroethene
Concen: 2.299 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

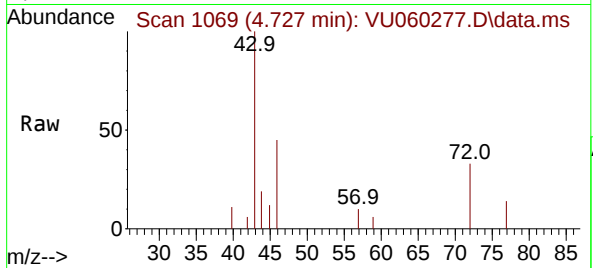
Tgt Ion: 96 Resp: 3939
Ion Ratio Lower Upper
96 100
61 120.4 83.2 154.4
98 61.4 45.9 85.3





#22
2-Butanone
Concen: 5.207 ug/L m
RT: 4.727 min Scan# 1069
Delta R.T. 0.035 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

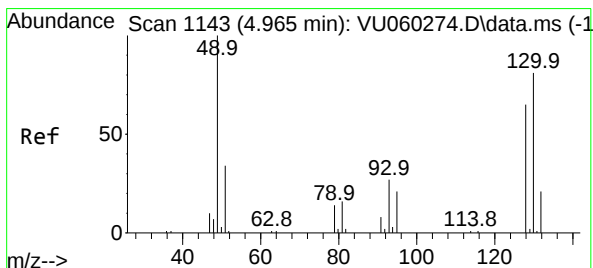
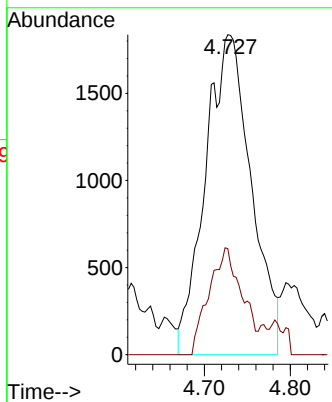
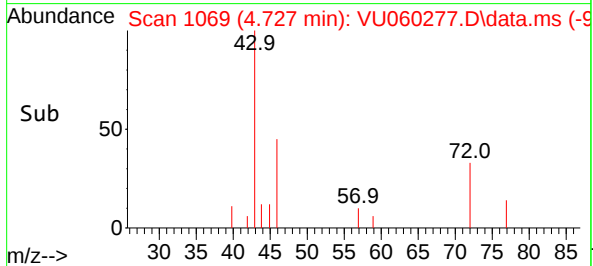
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-05



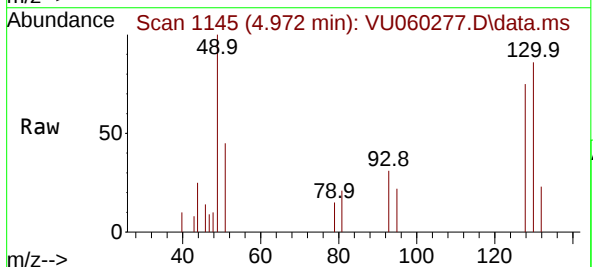
Tgt Ion: 43 Resp: 682
Ion Ratio Lower Upper
43 100
72 0.0 16.4 49.2

Manual Integrations
APPROVED

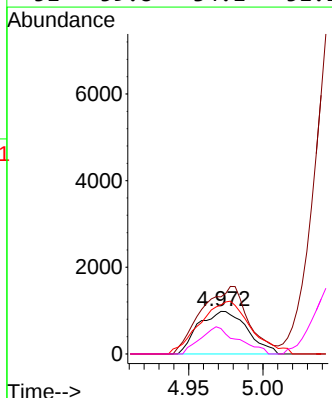
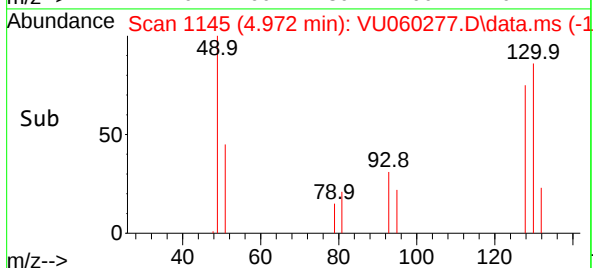
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024

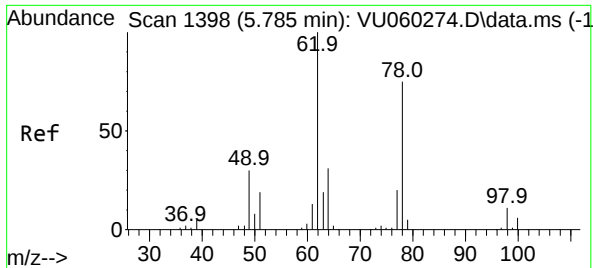


#23
Bromochloromethane
Concen: 2.471 ug/L
RT: 4.972 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25



Tgt Ion:128 Resp: 2233
Ion Ratio Lower Upper
128 100
49 134.0 96.7 179.7
130 114.8 86.3 160.3
51 59.8 34.1 51.1





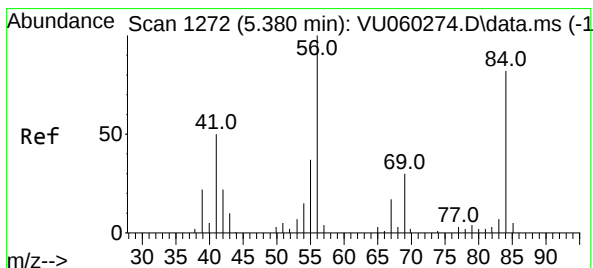
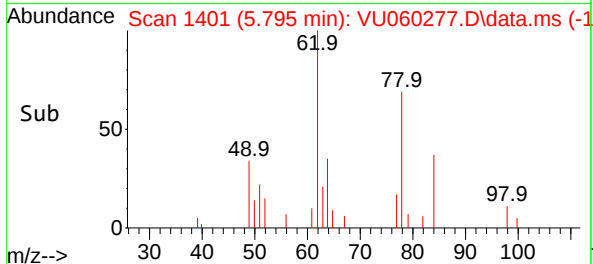
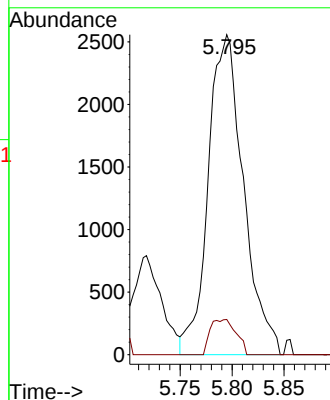
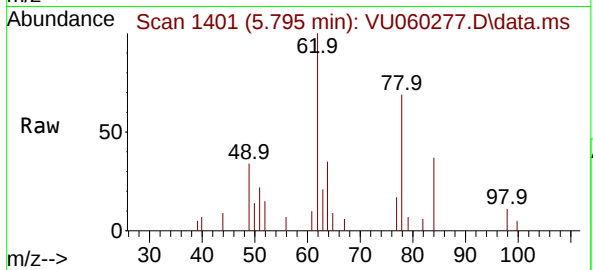
#27
1,2-Dichloroethane
Concen: 2.753 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.010 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-05

Tgt Ion: 62 Resp: 6034
Ion Ratio Lower Upper
62 100
98 11.0 7.8 11.8

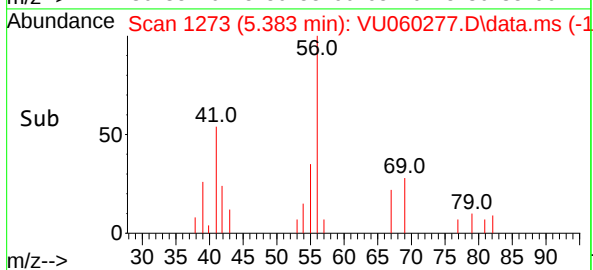
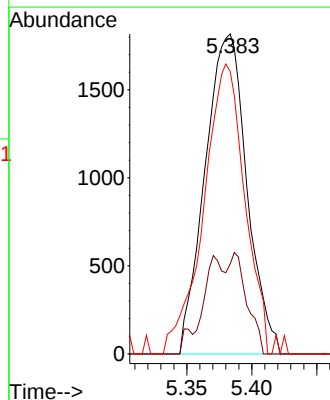
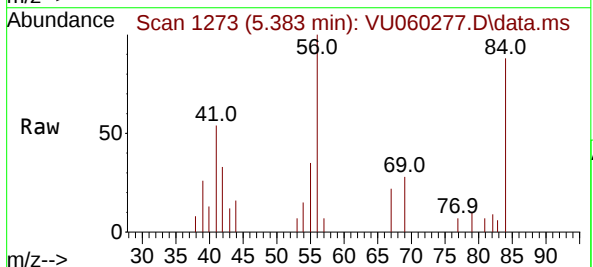
Manual Integrations
APPROVED

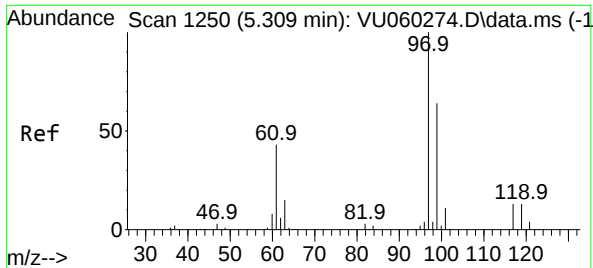
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024



#29
Cyclohexane
Concen: 1.938 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

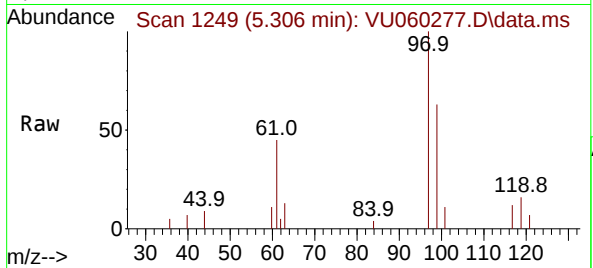
Tgt Ion: 56 Resp: 4070
Ion Ratio Lower Upper
56 100
69 13.7 26.0 39.0#
84 88.7 75.5 113.3





#30
1,1,1-Trichloroethane
Concen: 2.409 ug/L
RT: 5.306 min Scan# 1315
Delta R.T. -0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

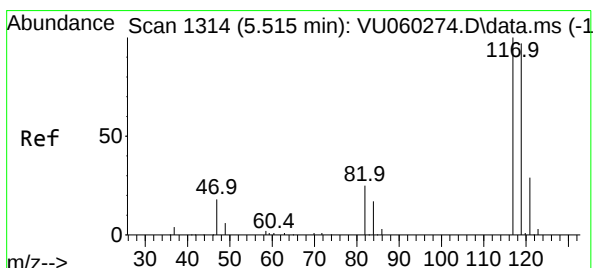
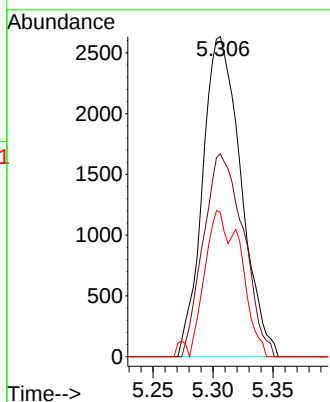
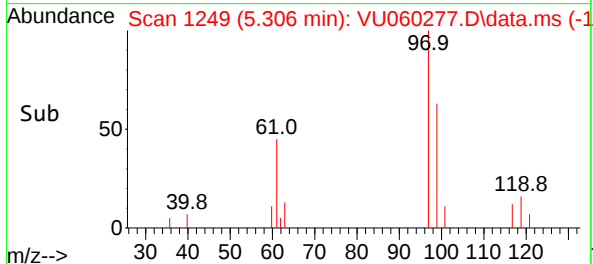
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-05



Tgt Ion: 97 Resp: 585
Ion Ratio Lower Upper
97 100
99 66.4 52.2 78.2
61 26.6 35.2 52.8

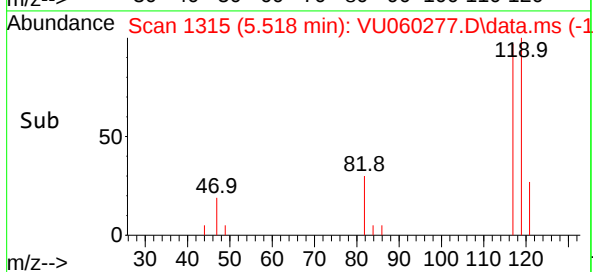
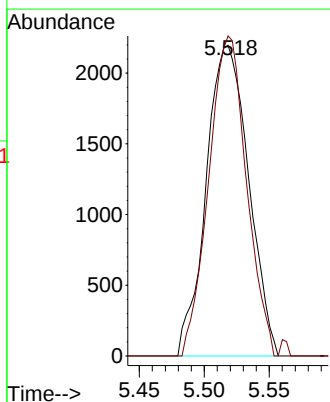
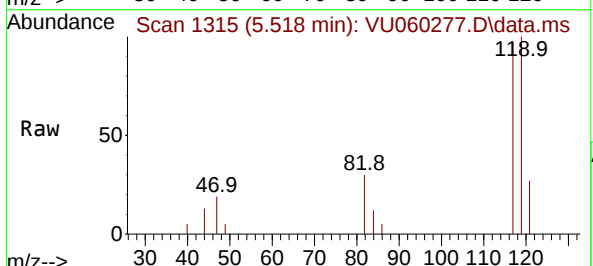
Manual Integrations
APPROVED

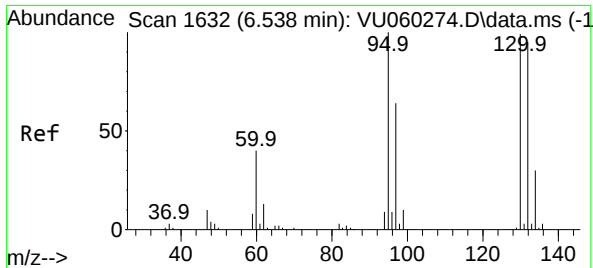
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024



#31
Carbon tetrachloride
Concen: 2.485 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

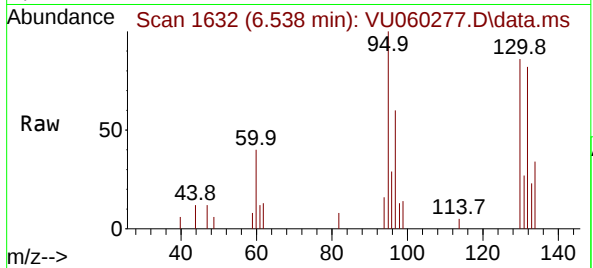
Tgt Ion:117 Resp: 4988
Ion Ratio Lower Upper
117 100
119 91.7 77.6 116.4





#34
Trichloroethene
Concen: 2.495 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

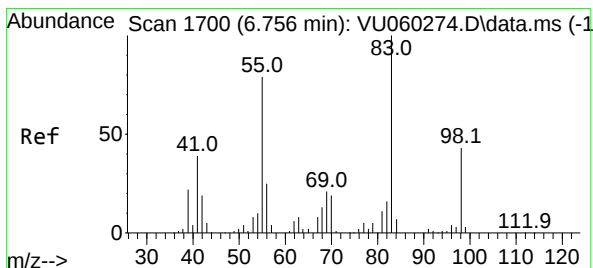
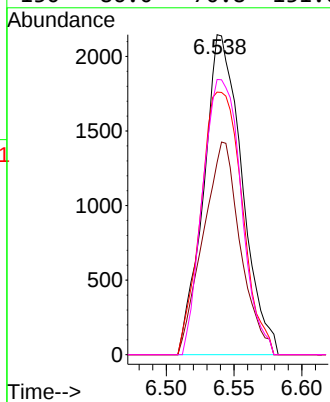
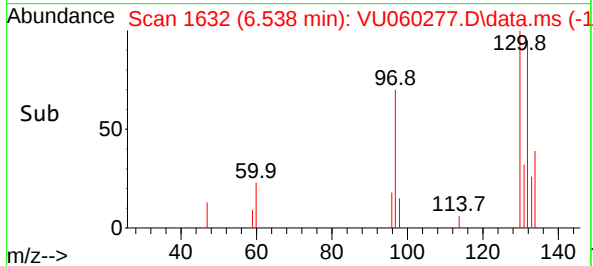
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-05



Tgt Ion: 95 Resp: 421
Ion Ratio Lower Upper
95 100
97 60.1 45.8 85.2
132 82.1 69.8 129.6
130 86.0 70.8 131.6

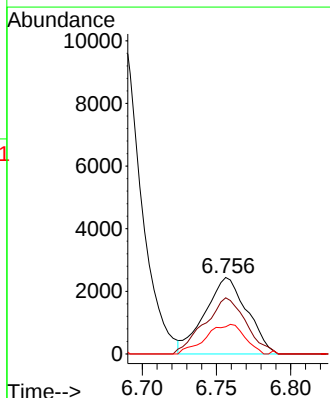
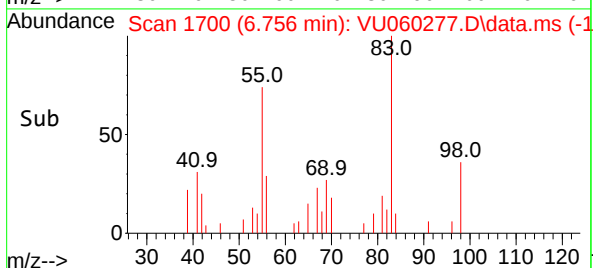
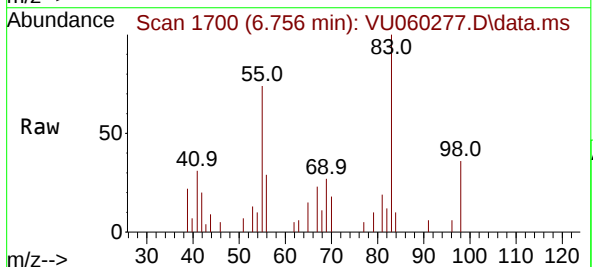
Manual Integrations
APPROVED

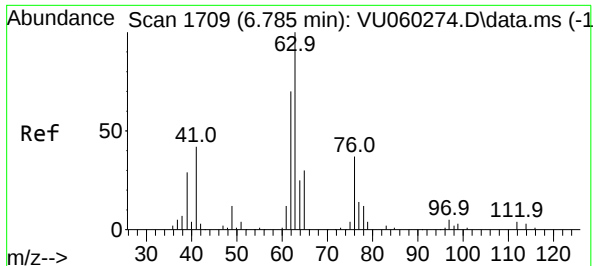
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024



#35
Methylcyclohexane
Concen: 2.059 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Tgt Ion: 83 Resp: 4806
Ion Ratio Lower Upper
83 100
55 72.3 56.8 85.2
98 16.9 36.5 54.7#





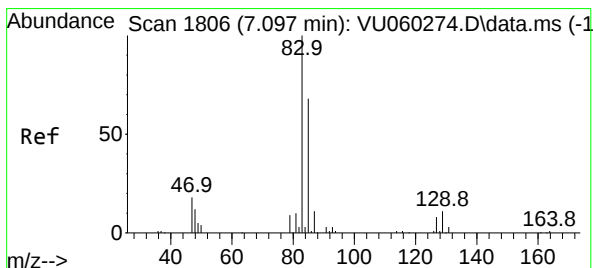
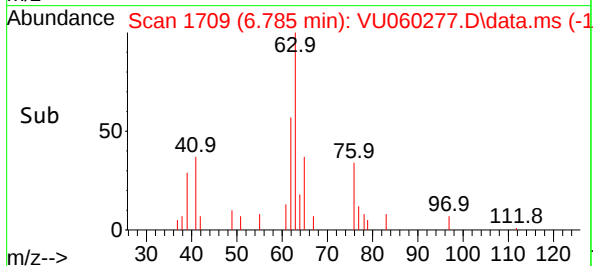
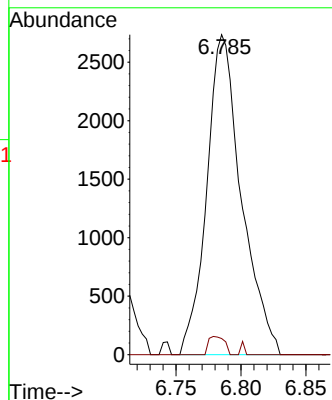
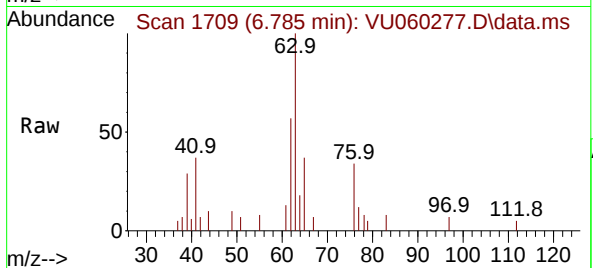
#37
1,2-Dichloropropane
Concen: 2.916 ug/L
RT: 6.785 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-05

Tgt Ion: 63 Resp: 508
Ion Ratio Lower Upper
63 100
112 2.6 3.0 4.6

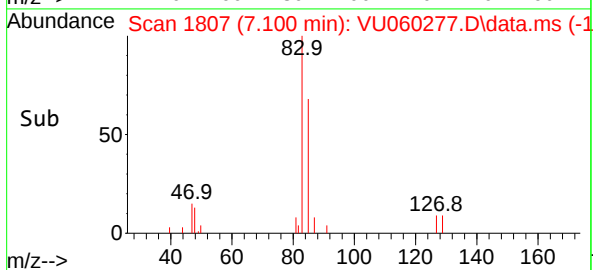
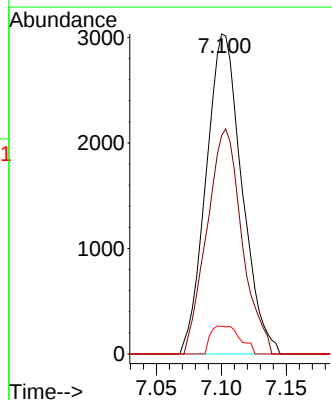
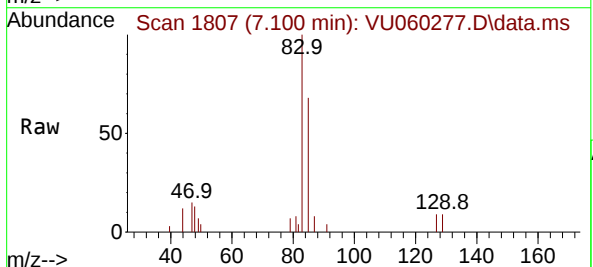
Manual Integrations
APPROVED

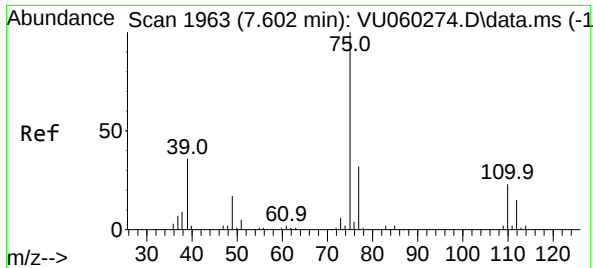
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024



#38
Bromodichloromethane
Concen: 2.626 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Tgt Ion: 83 Resp: 5801
Ion Ratio Lower Upper
83 100
85 68.3 45.0 83.6
127 8.7 7.4 11.2





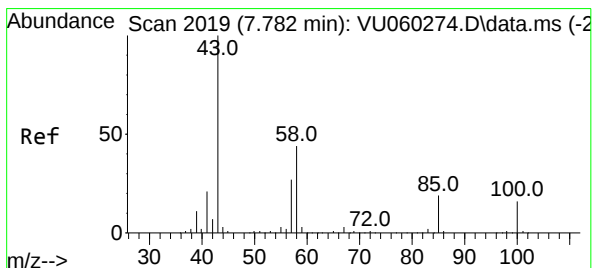
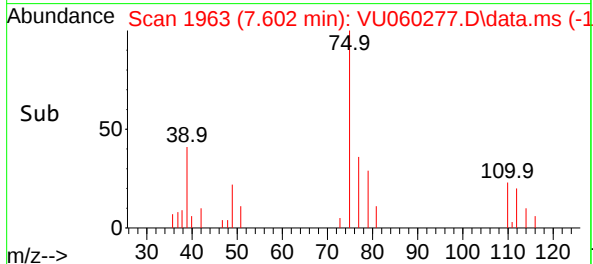
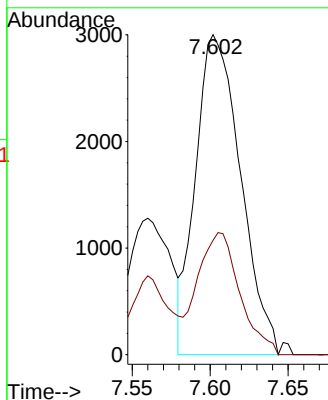
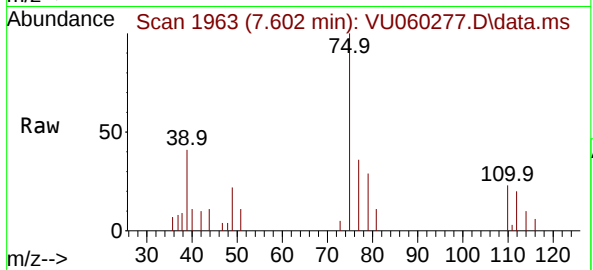
#39
 cis-1,3-Dichloropropene
 Concen: 2.254 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VU060277.D
 Acq: 31 Jul 2024 12:25

Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT3-2024-05

Tgt Ion:	75	Resp:	601
Ion Ratio	Lower	Upper	
75	100		
77	35.8	21.6	40.2

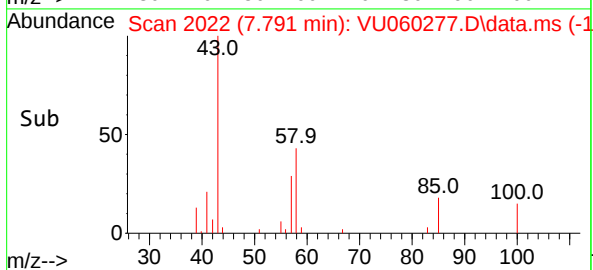
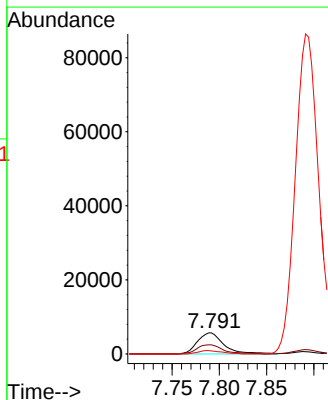
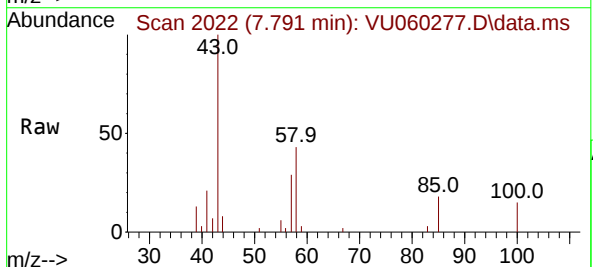
Manual Integrations
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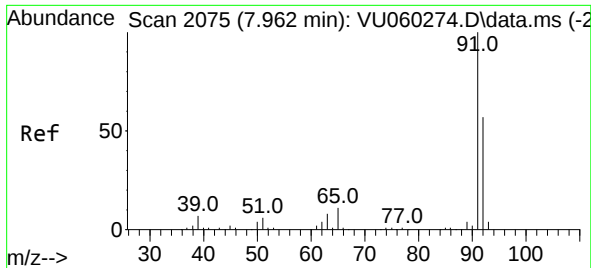
Reviewed By :Mahesh Dadoda 08/01/2024
 Supervised By :Semsettin Yesilyurt 08/01/2024



#40
 4-Methyl-2-pentanone
 Concen: 5.040 ug/L
 RT: 7.791 min Scan# 2022
 Delta R.T. 0.010 min
 Lab File: VU060277.D
 Acq: 31 Jul 2024 12:25

Tgt Ion:	43	Resp:	11106
Ion Ratio	Lower	Upper	
43	100		
58	42.3	35.3	52.9
100	14.2	14.6	22.0





#42

Toluene

Concen: 2.295 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.006 min

Lab File: VU060277.D

Acq: 31 Jul 2024 12:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-05

Tgt Ion: 91 Resp: 1587

Ion Ratio Lower Upper

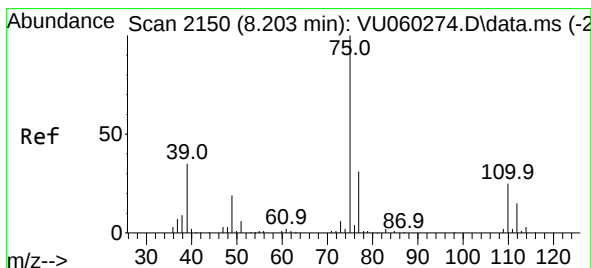
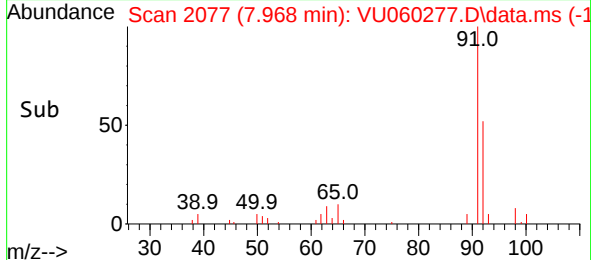
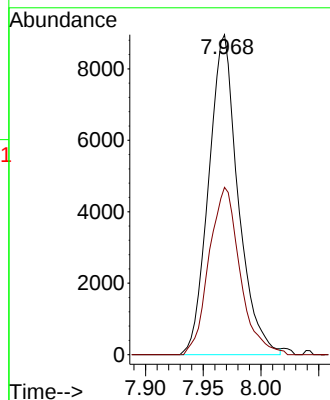
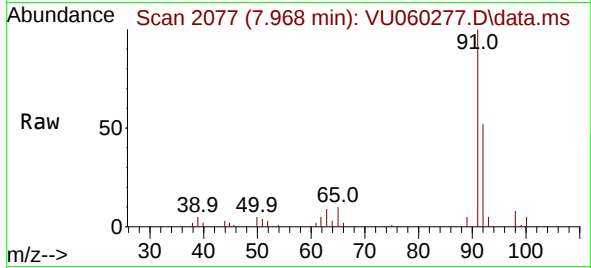
91 100

92 52.3 39.3 72.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024



#44

trans-1,3-Dichloropropene

Concen: 3.228 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.006 min

Lab File: VU060277.D

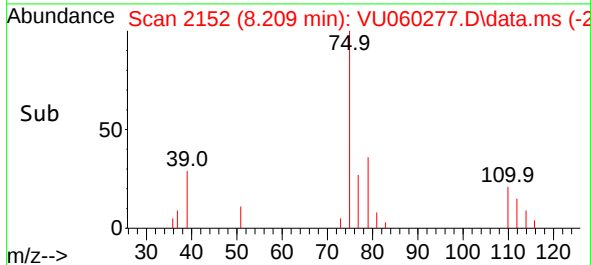
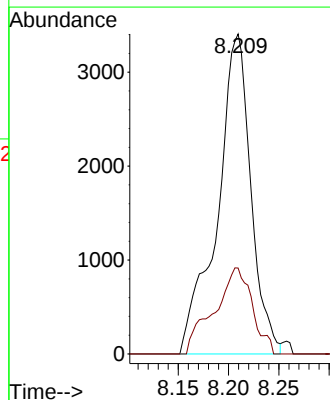
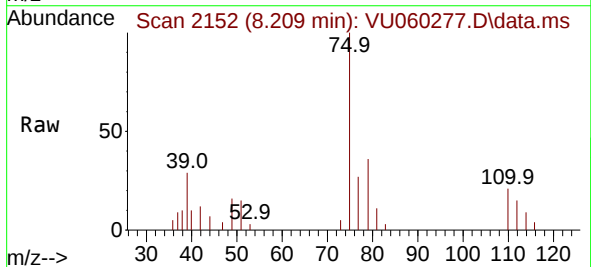
Acq: 31 Jul 2024 12:25

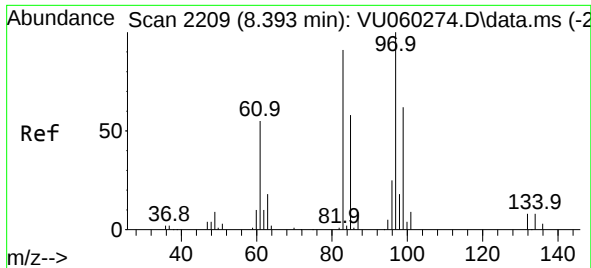
Tgt Ion: 75 Resp: 7908

Ion Ratio Lower Upper

75 100

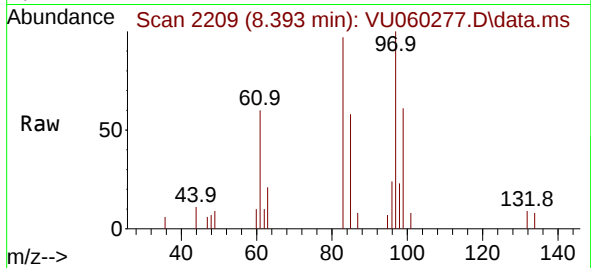
77 26.9 21.7 40.3





#45
1,1,2-Trichloroethane
Concen: 2.582 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2024-05

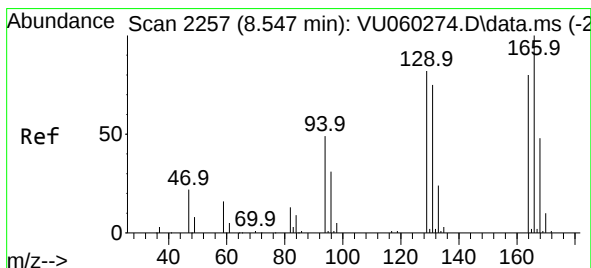
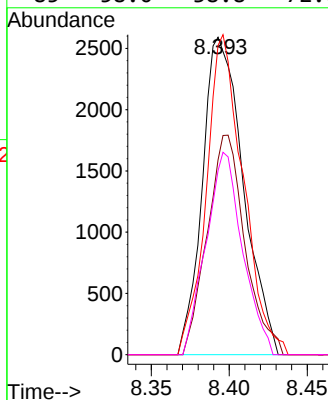
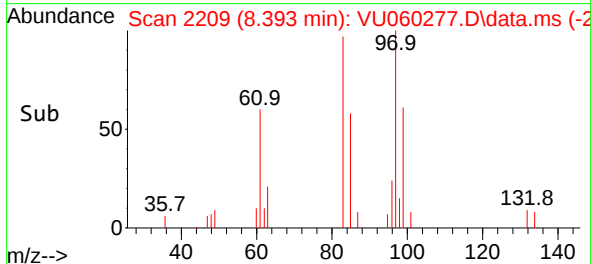


Tgt Ion: 97 Resp: 471

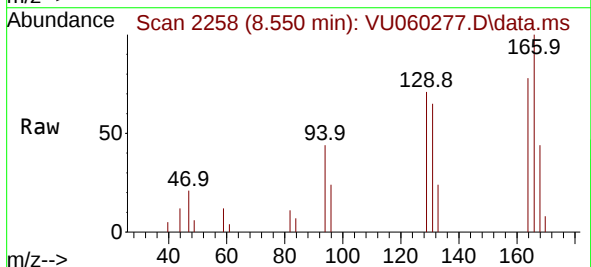
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.1	80.1
83	97.4	60.4	112.2
85	58.0	38.8	72.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024

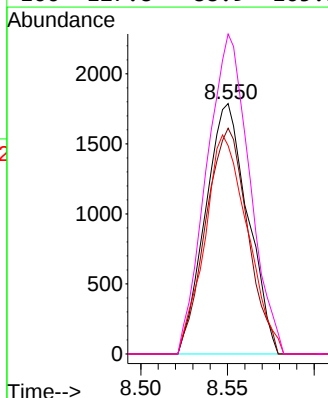
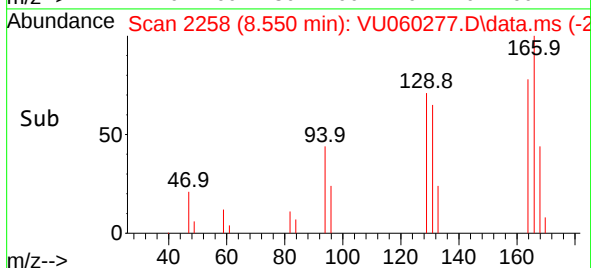


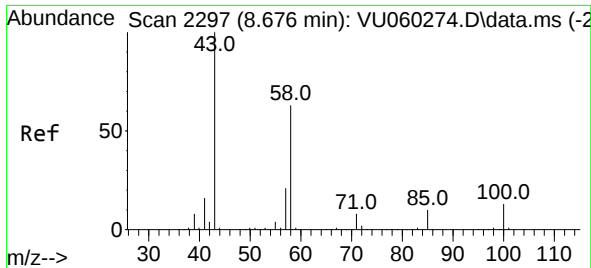
#46
Tetrachloroethene
Concen: 2.187 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25



Tgt Ion:164 Resp: 3041

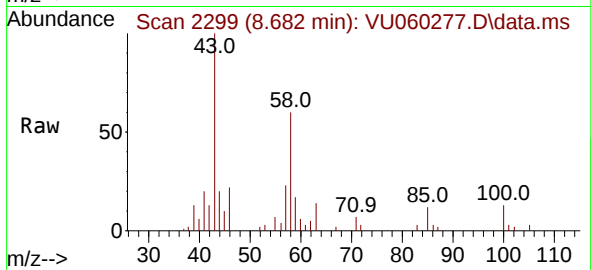
Ion	Ratio	Lower	Upper
164	100		
129	90.2	62.7	116.5
131	83.2	62.3	115.7
166	127.8	88.9	165.1





#48
2-Hexanone
Concen: 8.049 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

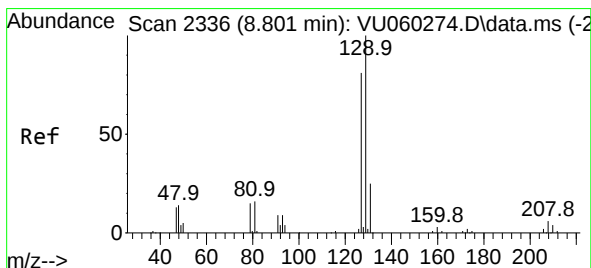
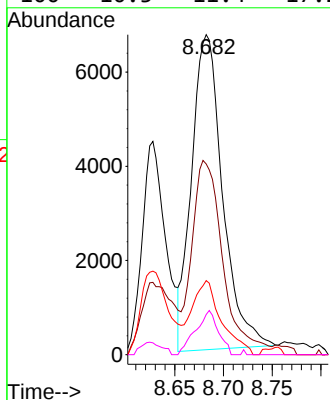
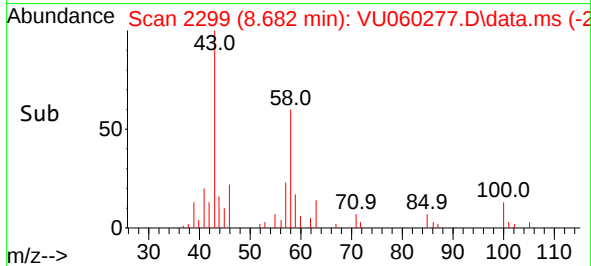
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-05



Tgt Ion: 43 Resp: 1484
Ion Ratio Lower Upper
43 100
58 54.7 49.0 73.6
57 22.6 16.7 25.1
100 10.3 11.4 17.2#

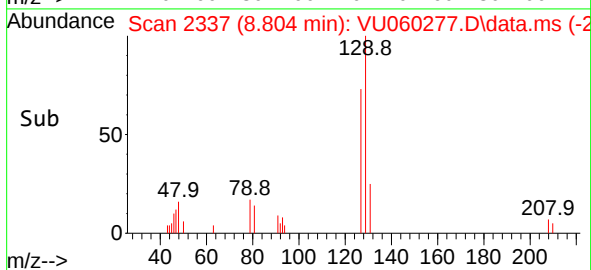
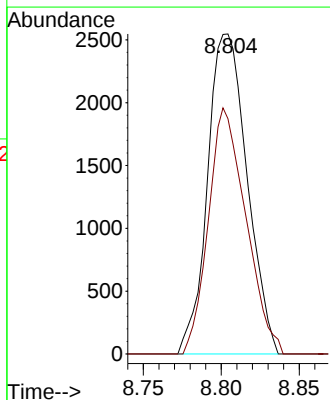
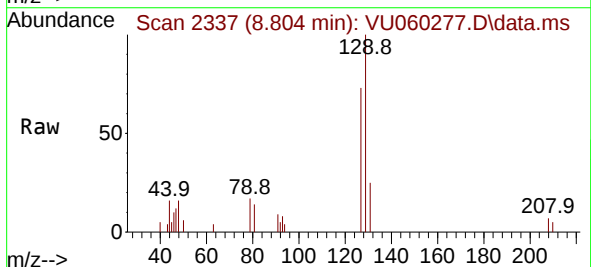
Manual Integrations
APPROVED

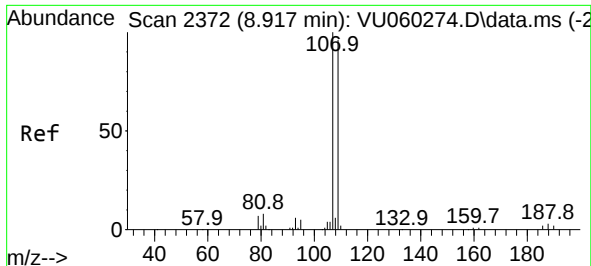
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024



#49
Dibromochloromethane
Concen: 2.503 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Tgt Ion:129 Resp: 4502
Ion Ratio Lower Upper
129 100
127 73.5 54.0 100.2





#50

1,2-Dibromoethane

Concen: 2.457 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU060277.D

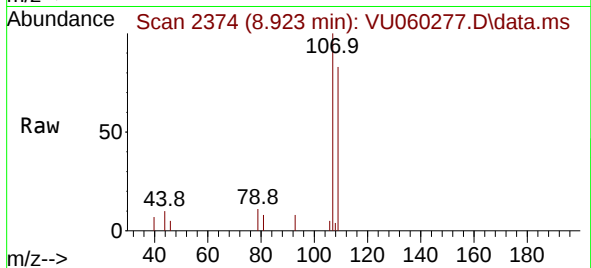
Acq: 31 Jul 2024 12:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-05



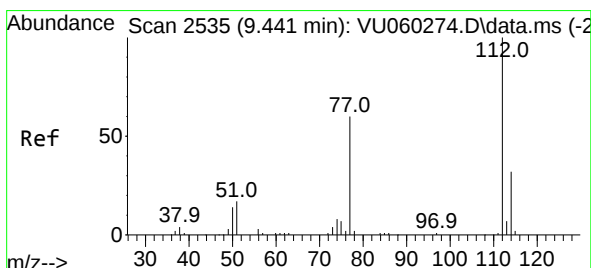
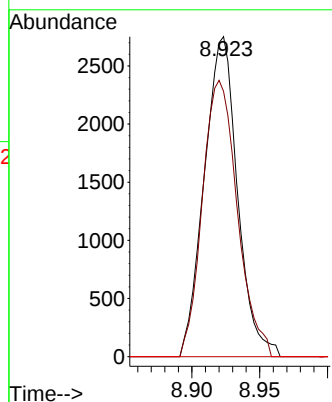
Tgt Ion:	107	Resp:	469
Ion	Ratio	Lower	Upper
107	100		
109	82.9	65.5	121.6
188	0.0	3.0	4.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/01/2024

Supervised By :Semsettin Yesilyurt 08/01/2024



#51

Chlorobenzene

Concen: 2.466 ug/L

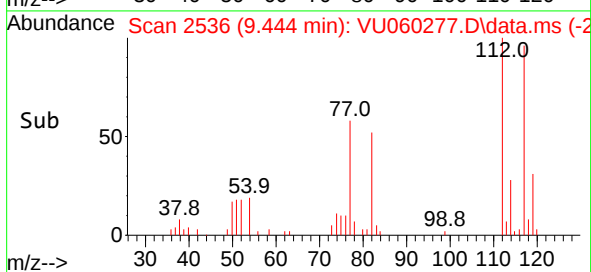
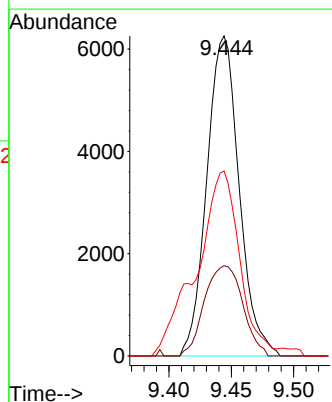
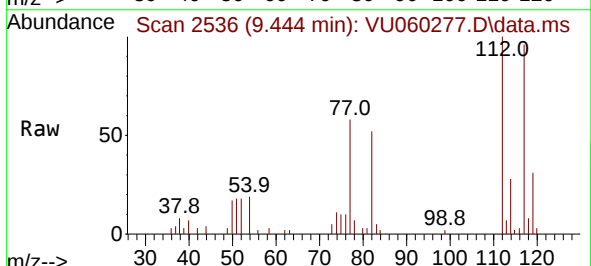
RT: 9.444 min Scan# 2536

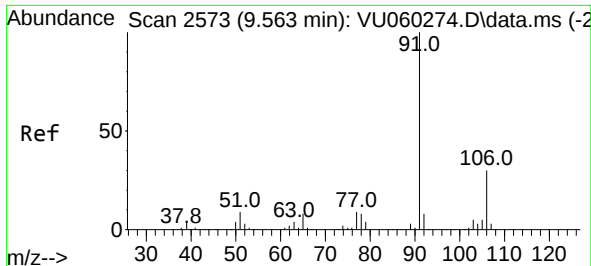
Delta R.T. 0.003 min

Lab File: VU060277.D

Acq: 31 Jul 2024 12:25

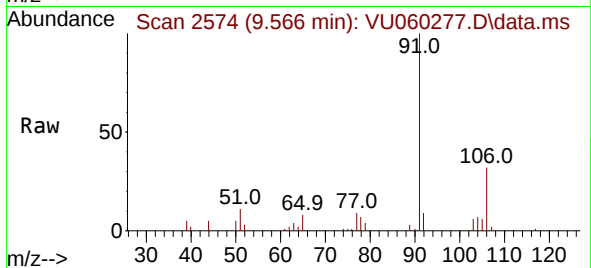
Tgt Ion:	112	Resp:	11318
Ion	Ratio	Lower	Upper
112	100		
114	30.0	22.7	42.3
77	57.8	45.8	68.6





#52
Ethylbenzene
Concen: 2.061 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

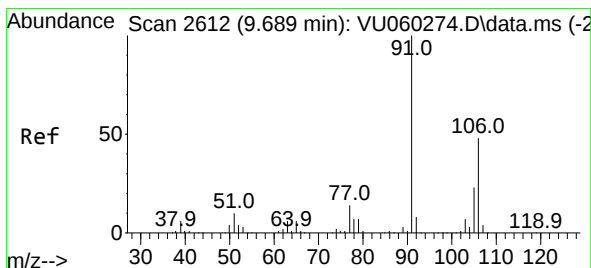
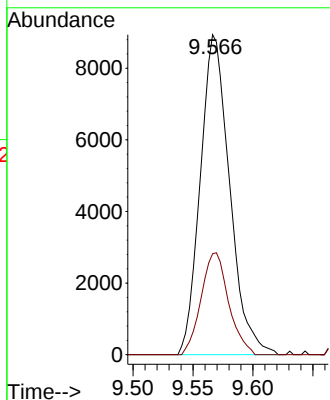
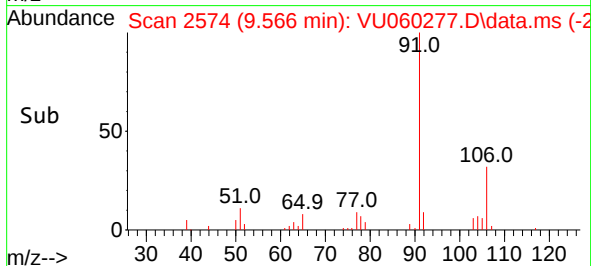
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-05



Tgt Ion: 91 Resp: 15218
Ion Ratio Lower Upper
91 100
106 31.6 22.4 41.6

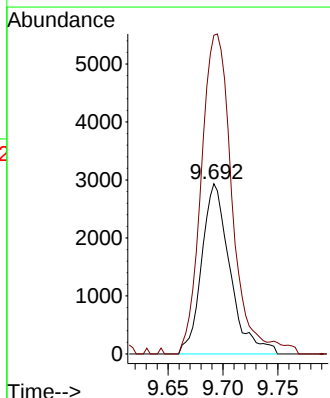
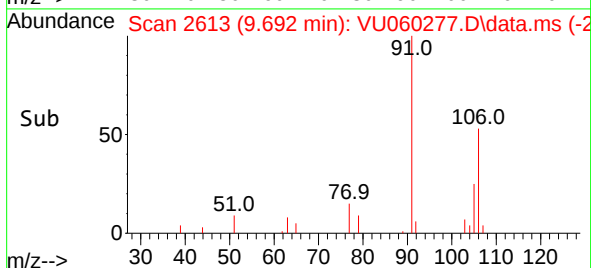
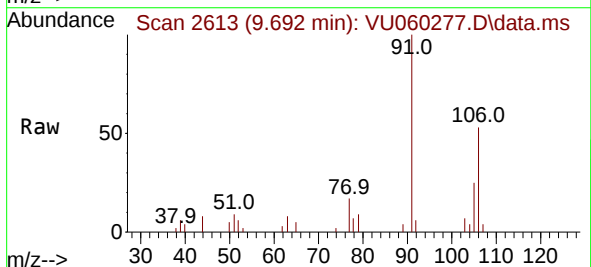
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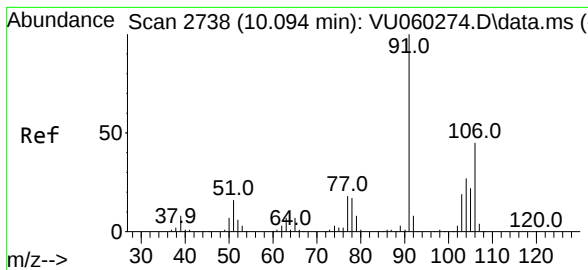
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024



#53
m,p-Xylene
Concen: 1.831 ug/L m
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Tgt Ion:106 Resp: 5265
Ion Ratio Lower Upper
106 100
91 187.3 140.9 261.7





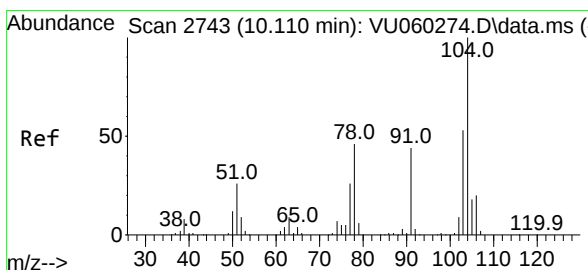
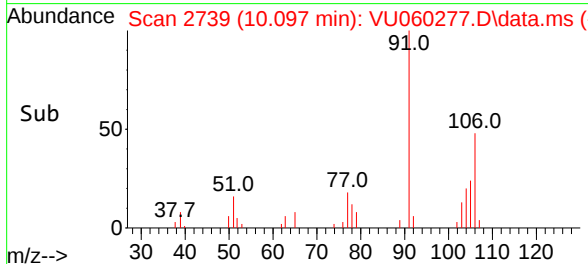
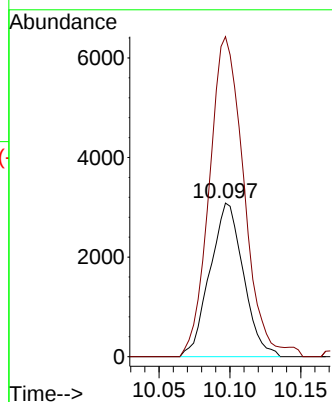
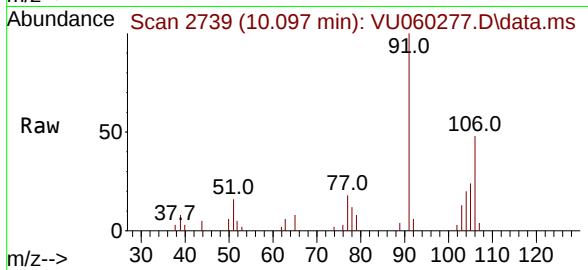
#54
o-Xylene
Concen: 1.833 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-05

Tgt Ion:106 Resp: 5069
Ion Ratio Lower Upper
106 100
91 208.3 147.4 273.8

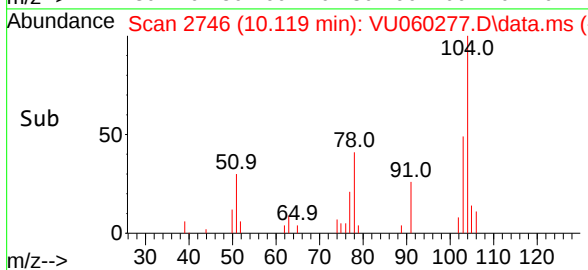
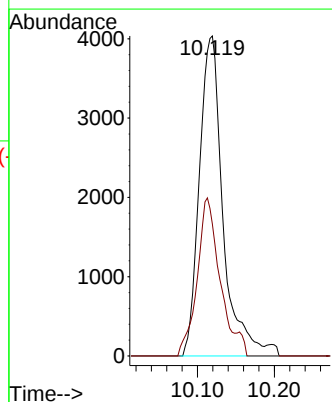
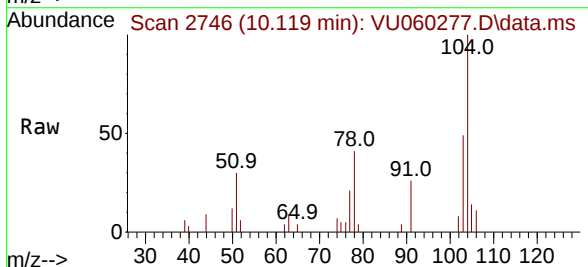
Manual Integrations
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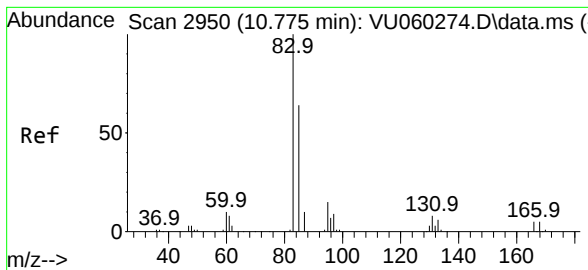
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024



#55
Styrene
Concen: 1.856 ug/L m
RT: 10.119 min Scan# 2746
Delta R.T. 0.010 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

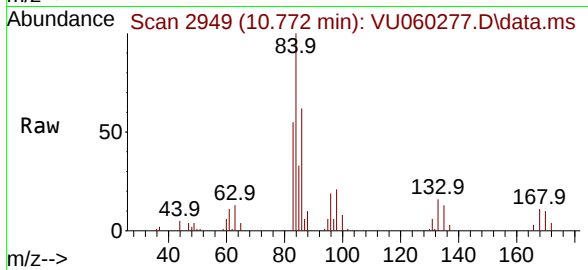
Tgt Ion:104 Resp: 8655
Ion Ratio Lower Upper
104 100
78 41.2 30.9 57.5





#57
1,1,2,2-Tetrachloroethane
Concen: 2.922 ug/L m
RT: 10.772 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

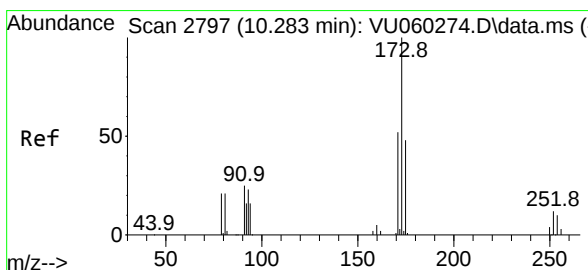
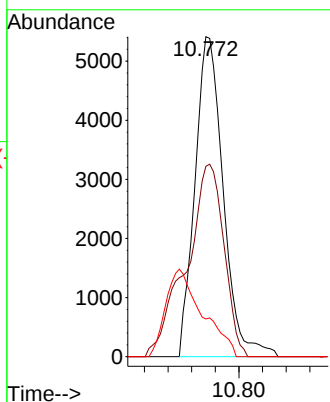
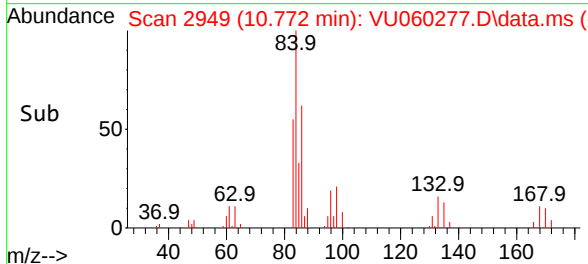
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2024-05



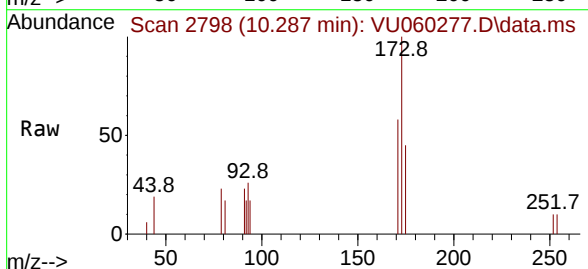
Tgt Ion: 83 Resp: 899
Ion Ratio Lower Upper
83 100
85 59.5 45.4 84.2
131 11.8 7.5 11.3

Manual Integrations
APPROVED

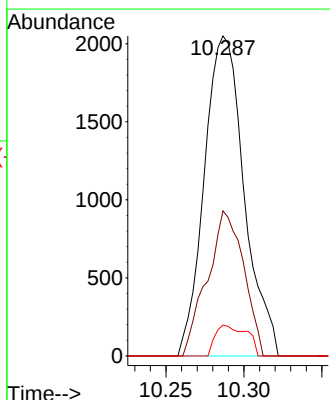
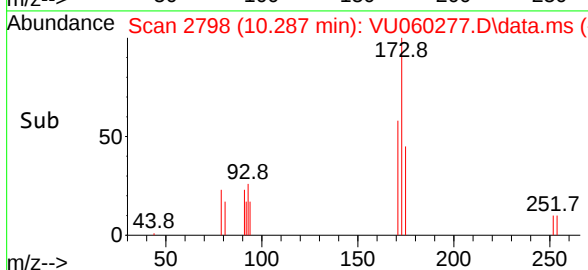
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024

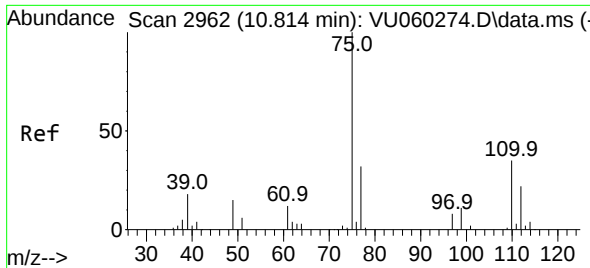


#59
Bromoform
Concen: 3.200 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25



Tgt Ion:173 Resp: 3642
Ion Ratio Lower Upper
173 100
175 41.4 39.4 59.2
254 5.2 9.0 13.4





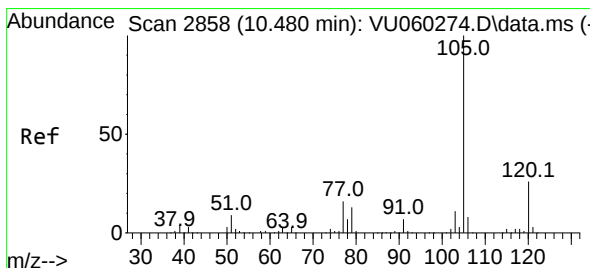
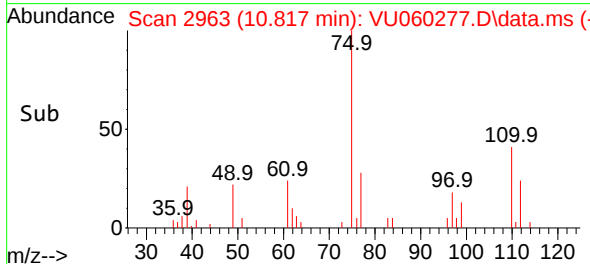
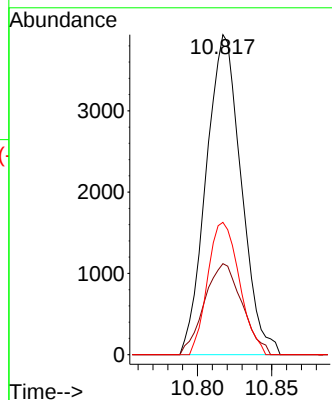
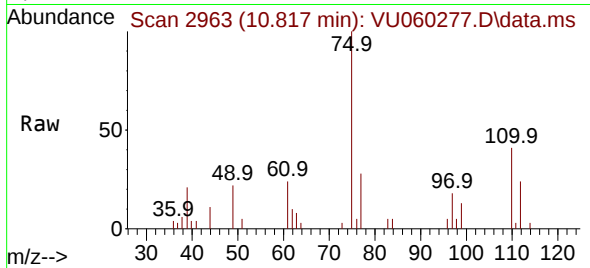
#60
1,2,3-Trichloropropane
Concen: 3.618 ug/L
RT: 10.817 min Scan# 2962
Delta R.T. 0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2024-05

Tgt Ion: 75 Resp: 646
Ion Ratio Lower Upper
75 100
77 30.6 25.5 38.3
110 37.4 30.7 46.1

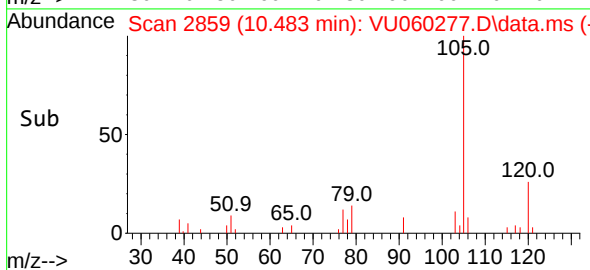
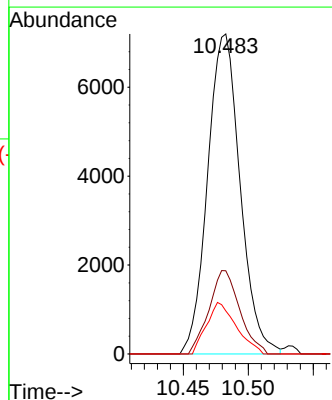
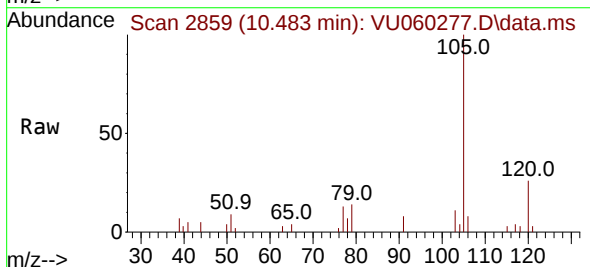
Manual Integrations
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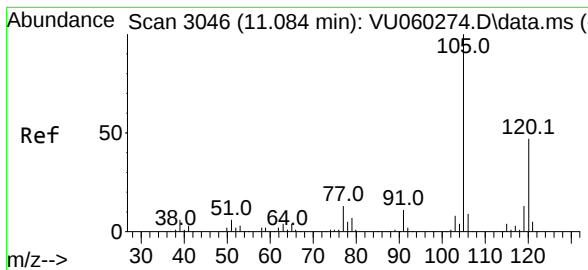
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024



#61
Isopropylbenzene
Concen: 2.282 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Tgt Ion:105 Resp: 12524
Ion Ratio Lower Upper
105 100
120 24.7 20.9 31.3
77 14.7 12.1 18.1





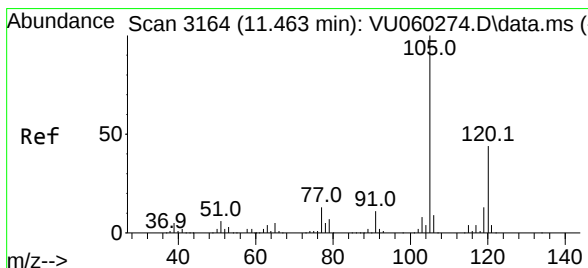
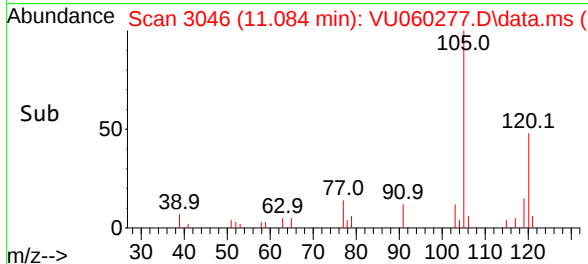
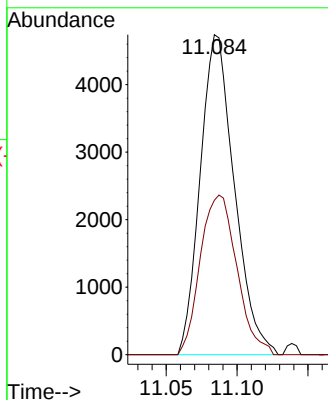
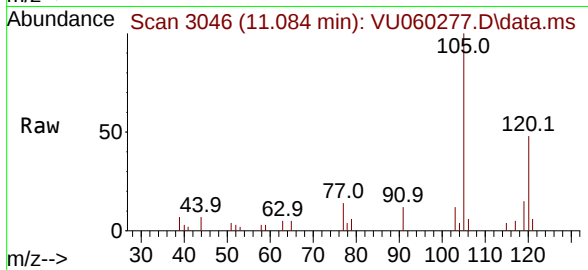
#62
1,3,5-Trimethylbenzene
Concen: 1.975 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-05

Tgt Ion:105 Resp: 7932
Ion Ratio Lower Upper
105 100
120 53.5 39.5 59.3

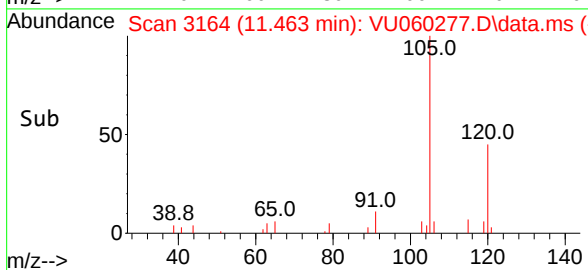
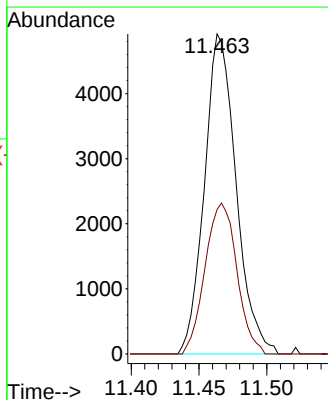
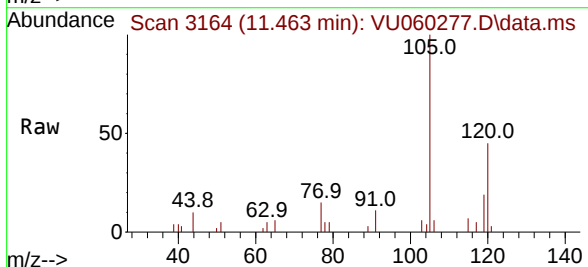
Manual Integrations
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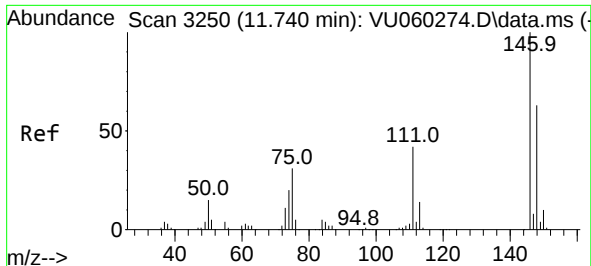
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024



#63
1,2,4-Trimethylbenzene
Concen: 1.855 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

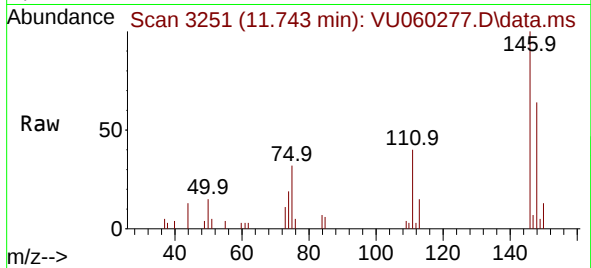
Tgt Ion:105 Resp: 7982
Ion Ratio Lower Upper
105 100
120 47.4 37.0 55.6





#64
1,3-Dichlorobenzene
Concen: 2.460 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.003 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

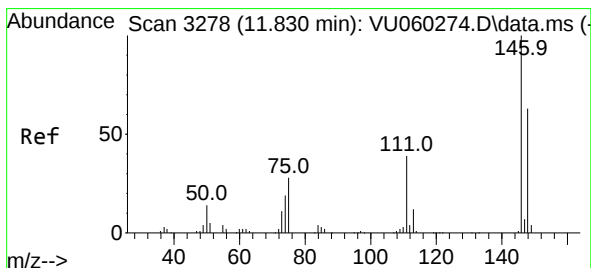
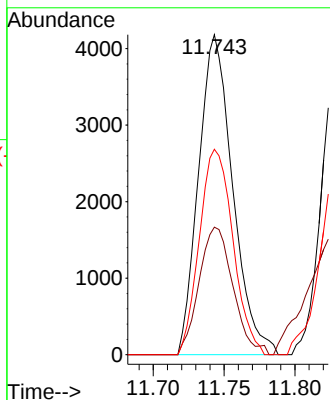
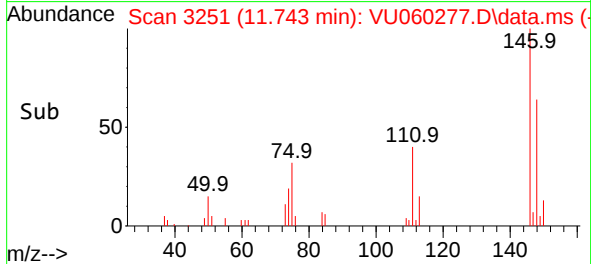
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2024-05



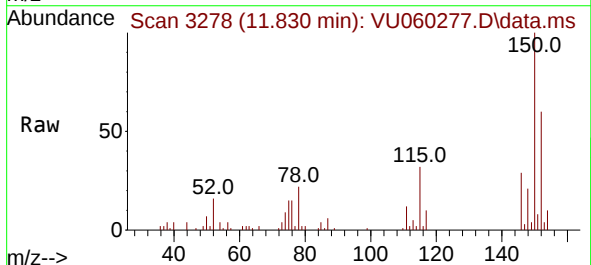
Tgt Ion:146 Resp: 7002
Ion Ratio Lower Upper
146 100
111 37.3 26.5 49.1
148 60.1 43.8 81.3

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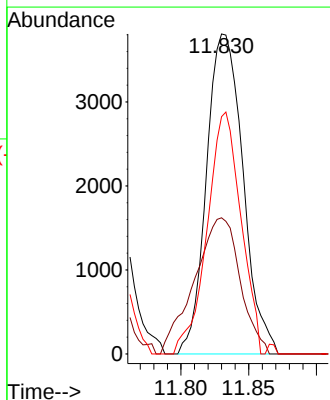
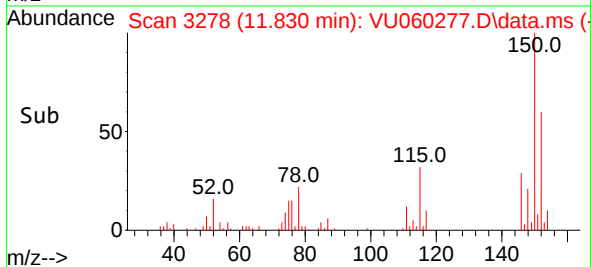
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024

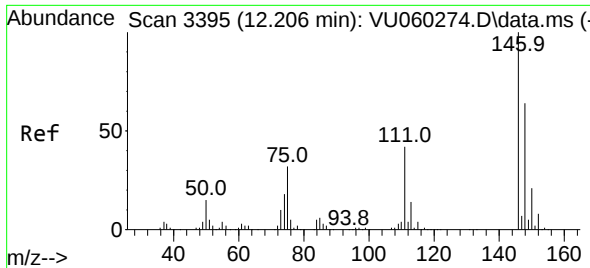


#65
1,4-Dichlorobenzene
Concen: 2.426 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25



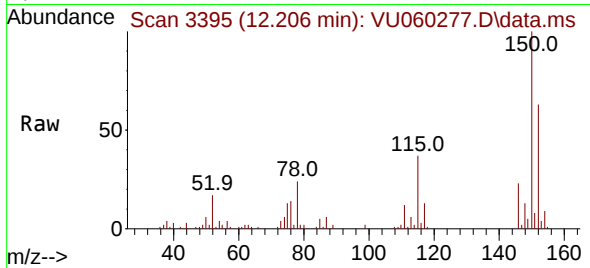
Tgt Ion:146 Resp: 7136
Ion Ratio Lower Upper
146 100
111 42.6 25.9 48.1
148 74.1 44.0 81.8





#67
1,2-Dichlorobenzene
Concen: 2.664 ug/L
RT: 12.206 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

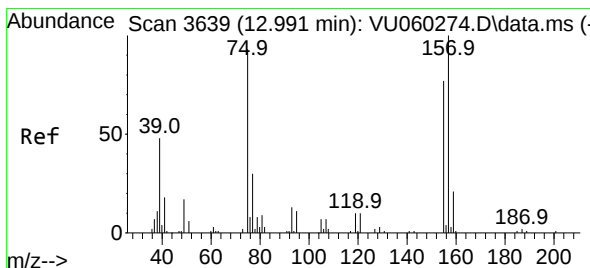
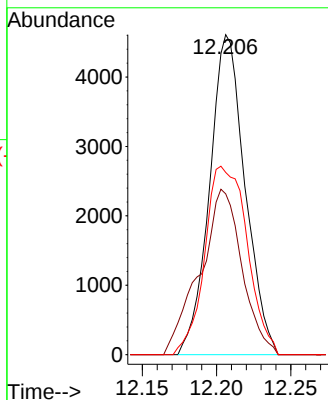
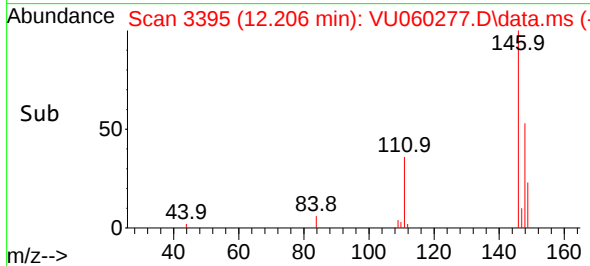
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2024-05



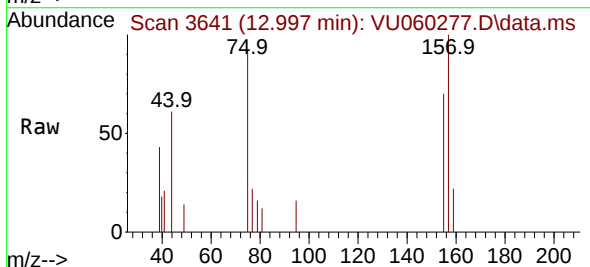
Tgt Ion:146 Resp: 7658
Ion Ratio Lower Upper
146 100
111 50.2 31.7 47.5
148 78.2 50.8 76.2

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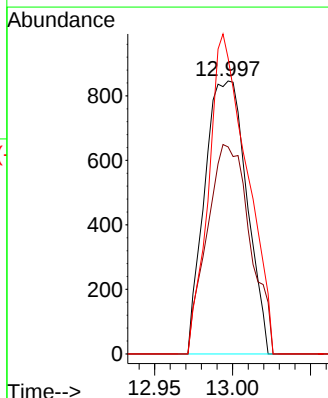
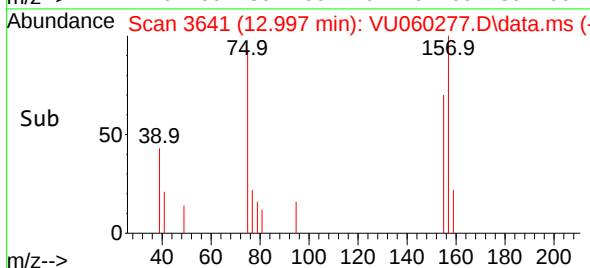
Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024

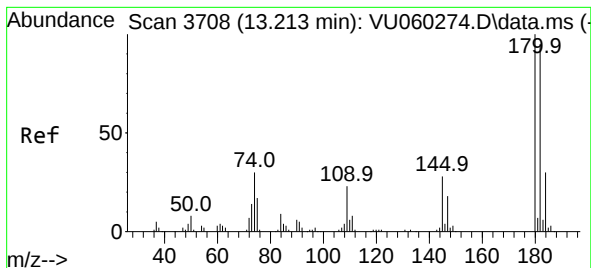


#68
1,2-Dibromo-3-chloropropane
Concen: 3.236 ug/L
RT: 12.997 min Scan# 3641
Delta R.T. 0.006 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25



Tgt Ion: 75 Resp: 1581
Ion Ratio Lower Upper
75 100
155 75.9 73.5 110.3
157 108.4 93.5 140.3





#69

1,3,5-Trichlorobenzene

Concen: 2.251 ug/L

RT: 13.225 min Scan# 3712

Delta R.T. 0.013 min

Lab File: VU060277.D

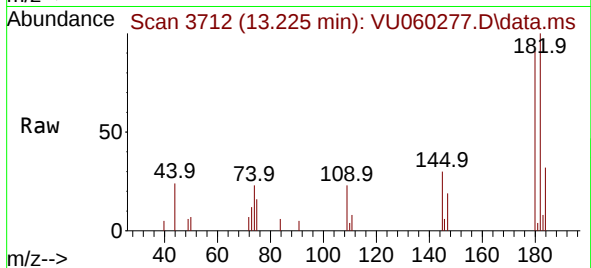
Acq: 31 Jul 2024 12:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-05



Tgt Ion:180 Resp: 4618

Ion Ratio Lower Upper

180 100

182 100.3 75.8 113.8

184 31.1 24.7 37.1

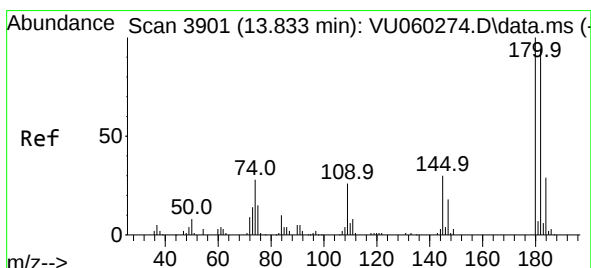
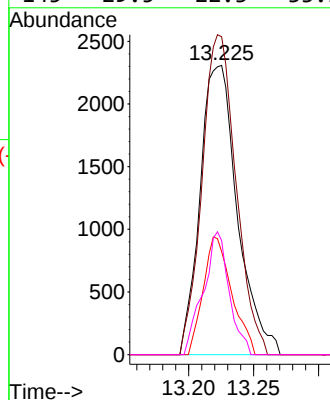
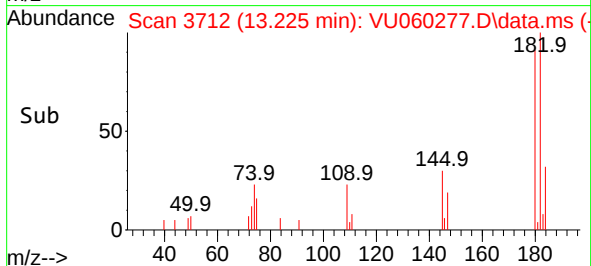
145 29.5 22.3 33.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/01/2024

Supervised By :Semsettin Yesilyurt 08/01/2024



#70

1,2,4-trichlorobenzene

Concen: 1.970 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.010 min

Lab File: VU060277.D

Acq: 31 Jul 2024 12:25

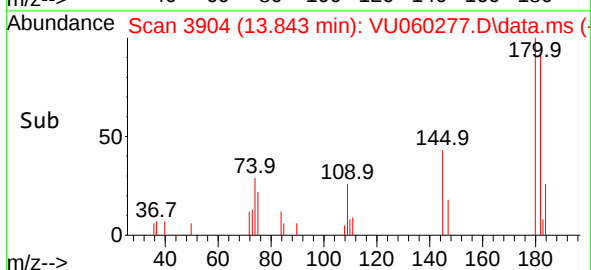
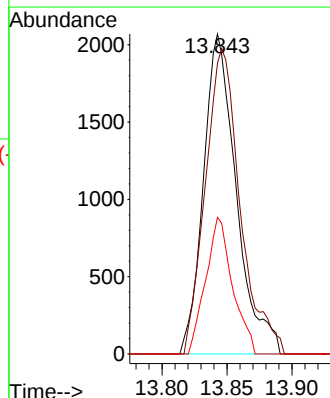
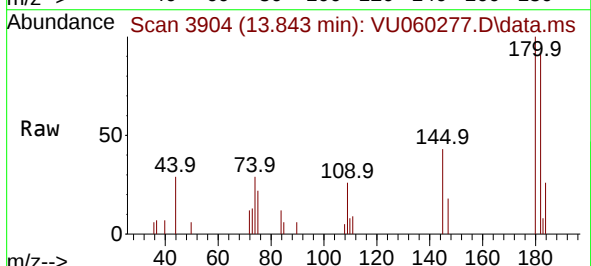
Tgt Ion:180 Resp: 3643

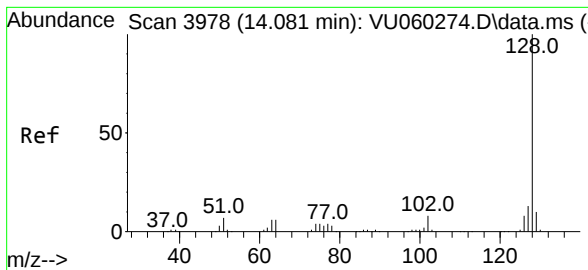
Ion Ratio Lower Upper

180 100

182 100.9 76.4 114.6

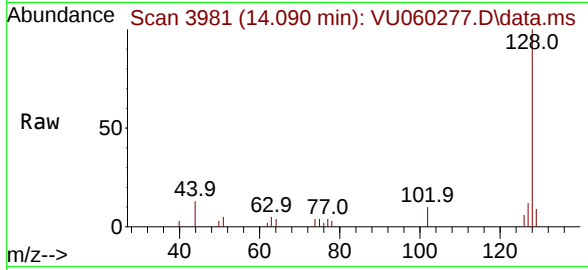
145 34.8 23.0 34.4#





#71
Naphthalene
Concen: 1.969 ug/L
RT: 14.090 min Scan# 3978
Delta R.T. 0.010 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

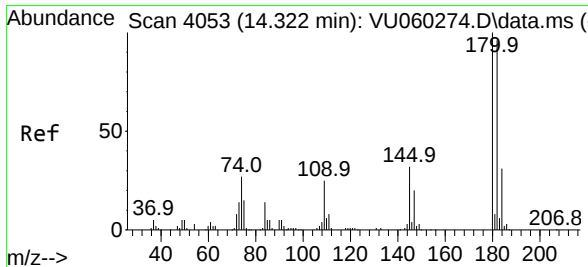
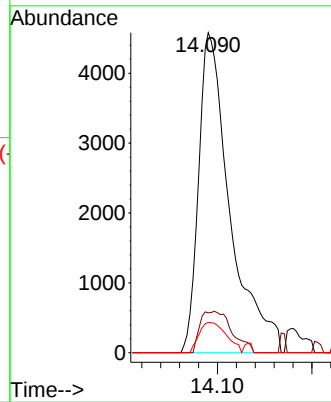
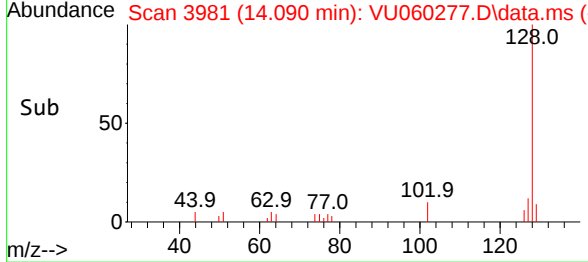
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-05



Tgt Ion:128 Resp: 10524
Ion Ratio Lower Upper
128 100
127 4.1 10.4 15.6
129 8.2 8.6 13.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/01/2024
Supervised By :Semsettin Yesilyurt 08/01/2024



#72
1,2,3-Trichlorobenzene
Concen: 1.930 ug/L
RT: 14.331 min Scan# 4056
Delta R.T. 0.010 min
Lab File: VU060277.D
Acq: 31 Jul 2024 12:25

Tgt Ion:180 Resp: 3581
Ion Ratio Lower Upper
180 100
182 100.2 75.8 113.8
145 27.3 24.5 36.7

