

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022824\
 Data File : VU057959.D
 Acq On : 28 Feb 2024 13:27
 Operator : MD/SY
 Sample : P1601-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2024-02

Quant Time: Feb 29 00:18:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 29 00:08:26 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/29/2024
 Supervised By :Semsettin Yesilyurt 02/29/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	265484	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	257805	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	117998	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	90964	47.327	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.660%		
7) Chloroethane-d5	1.904	69	71677	50.455	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.900%		
11) 1,1-Dichloroethene-d2	2.557	63	123198	34.394	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.780%		
21) 2-Butanone-d5	4.608	46	85415	116.962	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	116.960%		
24) Chloroform-d	5.052	84	155576	47.735	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.480%		
26) 1,2-Dichloroethane-d4	5.692	65	102797	50.315	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.640%		
32) Benzene-d6	5.718	84	314758	48.718	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.440%		
36) 1,2-Dichloropropane-d6	6.682	67	102708	49.233	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.460%		
41) Toluene-d8	7.891	98	275044	47.029	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.060%		
43) trans-1,3-Dichloroprop...	8.174	79	47050	47.360	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.720%		
47) 2-Hexanone-d5	8.627	63	57226	71.354	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	71.350%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	121894	42.343	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.680%		
66) 1,2-Dichlorobenzene-d4	12.190	152	92908	48.626	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	4955	1.702	ug/L	96
3) Chloromethane	1.515	50	5152	1.741	ug/L	95
5) Vinyl chloride	1.599	62	5377	1.840	ug/L #	71
6) Bromomethane	1.850	94	2949	2.585	ug/L	96
8) Chloroethane	1.927	64	3262	1.909	ug/L	97
9) Trichlorofluoromethane	2.132	101	6460	1.807	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	4652	2.238	ug/L #	77
12) 1,1-Dichloroethene	2.567	96	4441	2.310	ug/L #	1
13) Acetone	2.615	43	4622	3.418	ug/L	97
14) Carbon disulfide	2.785	76	11310	1.798	ug/L	96
15) Methyl Acetate	2.952	43	3376	1.534	ug/L #	85
16) Methylene chloride	3.033	84	4865	1.942	ug/L	84
17) trans-1,2-Dichloroethene	3.348	96	3520	1.765	ug/L	93
18) Methyl tert-butyl Ether	3.351	73	11978	1.725	ug/L #	82
19) 1,1-Dichloroethane	3.862	63	7576	1.832	ug/L	96
20) cis-1,2-Dichloroethene	4.663	96	4108	1.796	ug/L	93
22) 2-Butanone	4.714	43	6330m	3.864	ug/L	
23) Bromochloromethane	4.975	128	1617	1.455	ug/L	92
27) 1,2-Dichloroethane	5.792	62	6265	1.844	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.380	56	5704	1.503	ug/L	88
30) 1,1,1-Trichloroethane	5.306	97	5855	1.685	ug/L #	78
31) Carbon tetrachloride	5.515	117	5097	1.708	ug/L	98
34) Trichloroethene	6.537	95	4220	1.826	ug/L	91
35) Methylcyclohexane	6.756	83	6930	1.845	ug/L	93
37) 1,2-Dichloropropane	6.785	63	4693	1.850	ug/L #	89
38) Bromodichloromethane	7.103	83	5476	1.797	ug/L	92
39) cis-1,3-Dichloropropene	7.605	75	6464	1.667	ug/L	86
42) Toluene	7.968	91	16390	1.761	ug/L	96
44) trans-1,3-Dichloropropene	8.206	75	5885m	1.636	ug/L	
45) 1,1,2-Trichloroethane	8.396	97	3899	1.730	ug/L	98
46) Tetrachloroethene	8.547	164	2837	1.784	ug/L	95
49) Dibromochloromethane	8.807	129	3758	1.674	ug/L	93
50) 1,2-Dibromoethane	8.920	107	4226	1.780	ug/L #	79
51) Chlorobenzene	9.444	112	10848	1.833	ug/L	95
52) Ethylbenzene	9.566	91	17954	1.721	ug/L	97
53) m,p-Xylene	9.695	106	6499	1.713	ug/L	86
54) o-Xylene	10.097	106	5545	1.479	ug/L	86
55) Styrene	10.116	104	9420	1.465	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.775	83	6694	1.743	ug/L #	93
60) 1,2,3-Trichloropropane	10.817	75	4845	1.772	ug/L #	90
61) Isopropylbenzene	10.479	105	14984	1.625	ug/L	97
62) 1,3,5-Trimethylbenzene	11.087	105	11887	1.496	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	11667	1.461	ug/L	96
64) 1,3-Dichlorobenzene	11.746	146	6824	1.674	ug/L	94
65) 1,4-Dichlorobenzene	11.833	146	8286	1.995	ug/L	91
67) 1,2-Dichlorobenzene	12.209	146	7581	1.890	ug/L	94
68) 1,2-Dibromo-3-chloropr...	13.000	75	1131	1.742	ug/L #	47
69) 1,3,5-Trichlorobenzene	13.219	180	4822m	1.758	ug/L	
70) 1,2,4-trichlorobenzene	13.843	180	3874	1.755	ug/L	95
71) Naphthalene	14.093	128	8733	1.489	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	3964	1.955	ug/L #	89

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

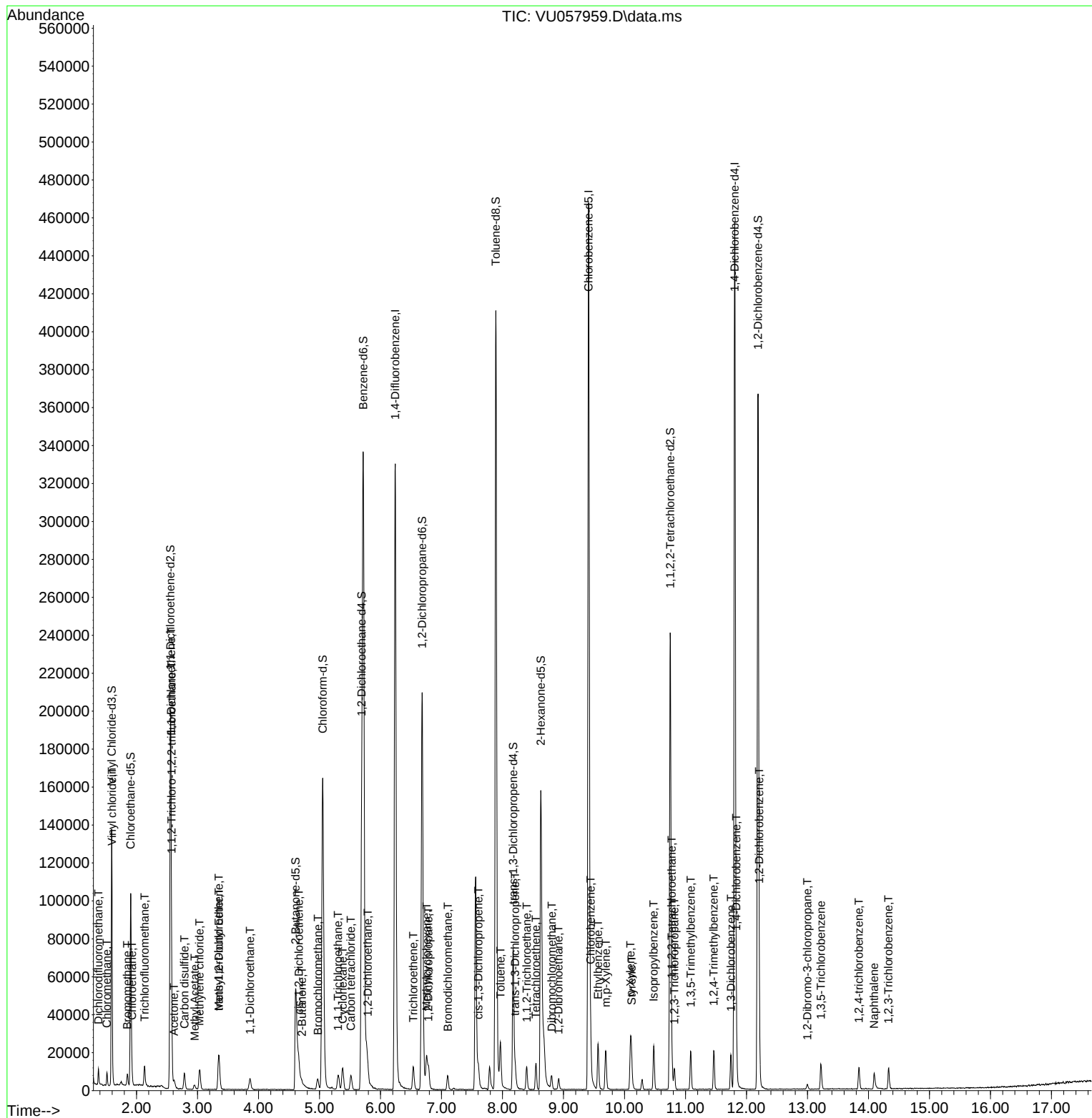
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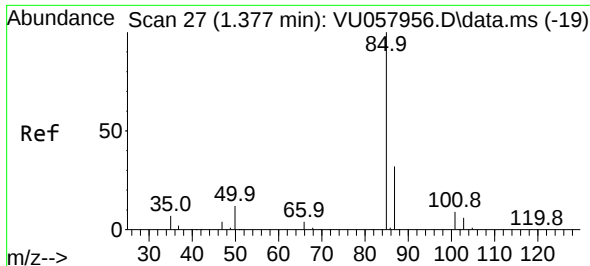
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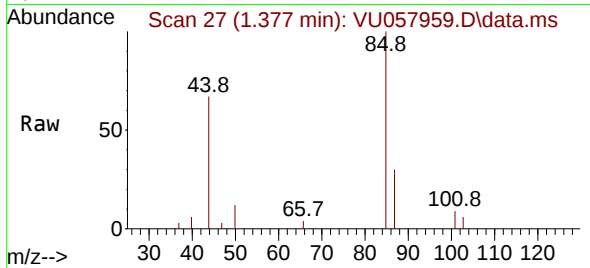
Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024





#2
Dichlorodifluoromethane
Concen: 1.702 ug/L
RT: 1.377 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

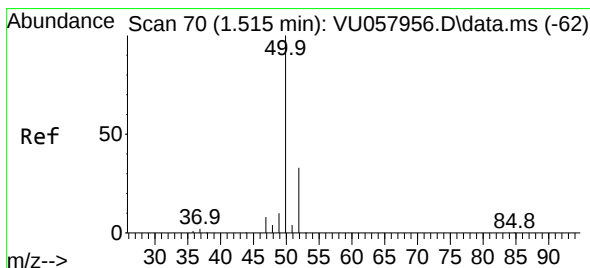
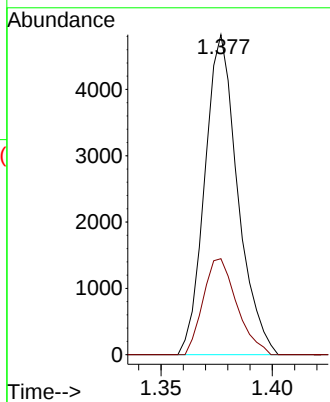
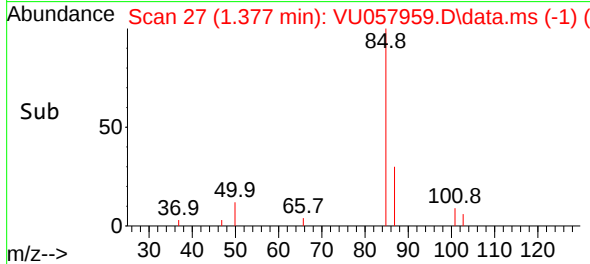
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion: 85 Resp: 495
Ion Ratio Lower Upper
85 100
87 30.7 26.2 39.2

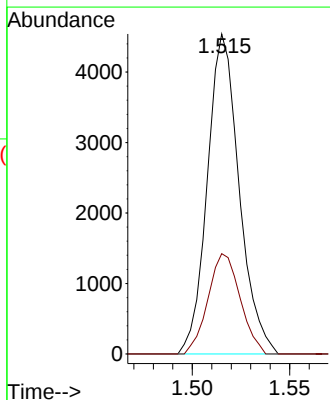
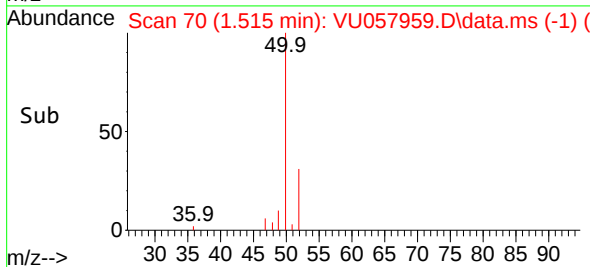
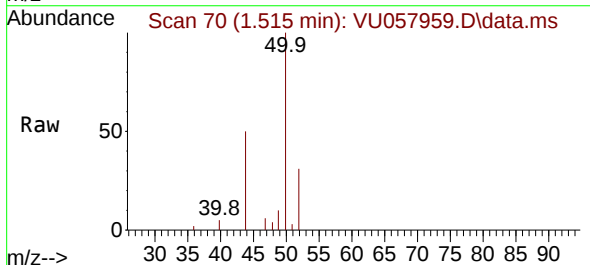
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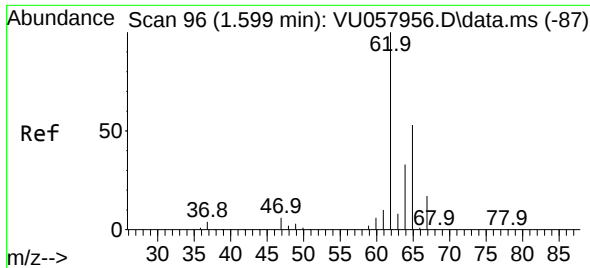
Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#3
Chloromethane
Concen: 1.741 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

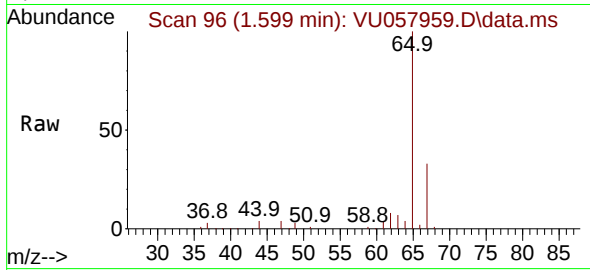
Tgt Ion: 50 Resp: 5152
Ion Ratio Lower Upper
50 100
52 31.4 23.8 44.2





#5
Vinyl chloride
Concen: 1.840 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

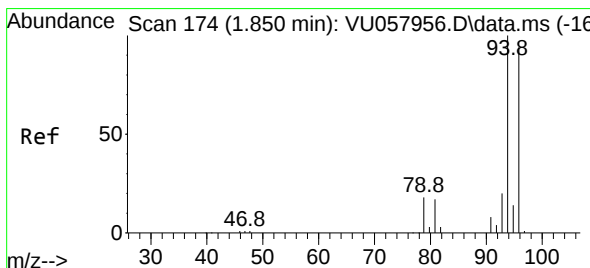
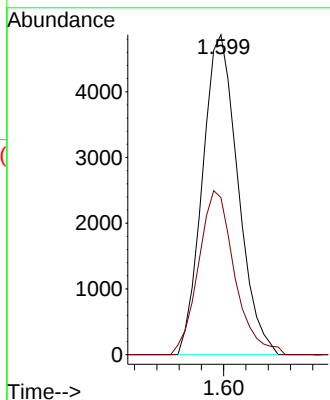
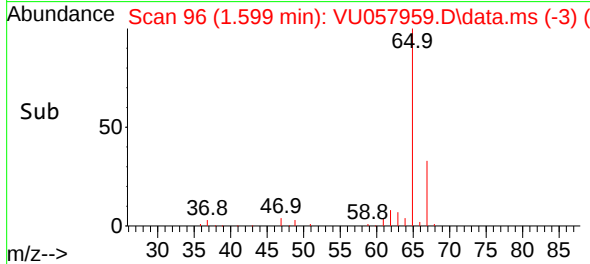
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion: 62 Resp: 537
Ion Ratio Lower Upper
62 100
64 49.1 23.1 42.9

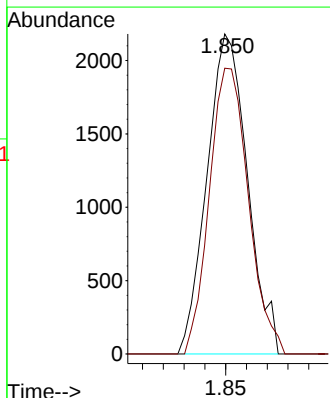
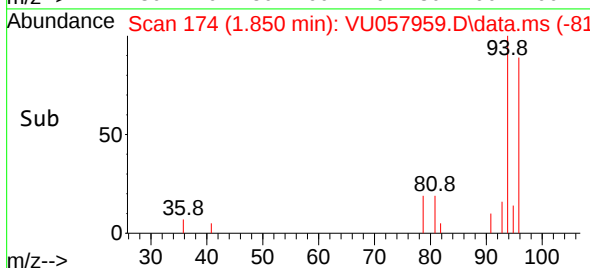
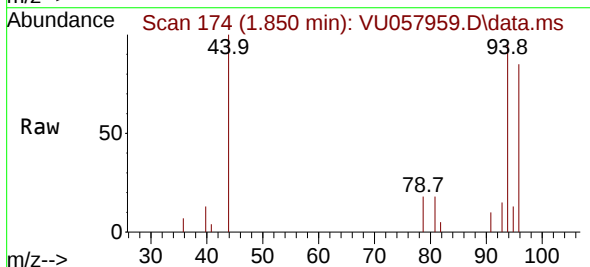
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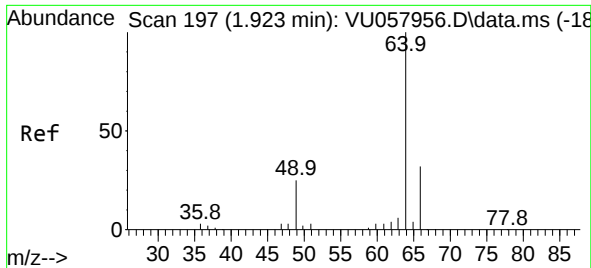
Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#6
Bromomethane
Concen: 2.585 ug/L
RT: 1.850 min Scan# 174
Delta R.T. 0.000 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

Tgt Ion: 94 Resp: 2949
Ion Ratio Lower Upper
94 100
96 89.3 65.5 121.7





#8

Chloroethane

Concen: 1.909 ug/L

RT: 1.927 min Scan# 197

Delta R.T. 0.003 min

Lab File: VU057959.D

Acq: 28 Feb 2024 13:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2024-02

Tgt Ion: 64 Resp: 326

Ion Ratio Lower Upper

64 100

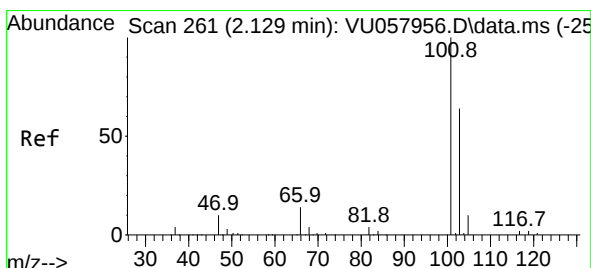
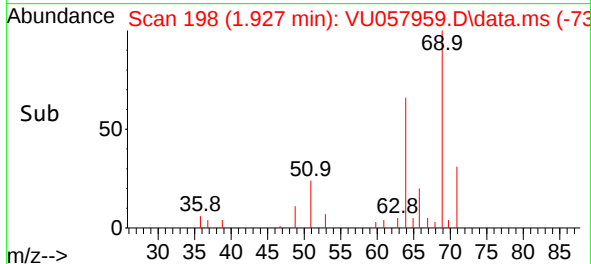
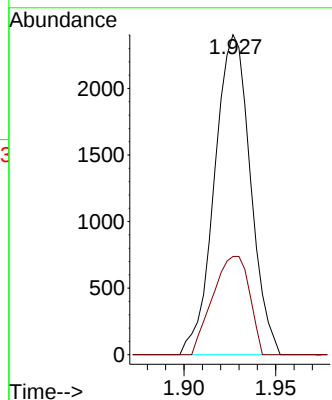
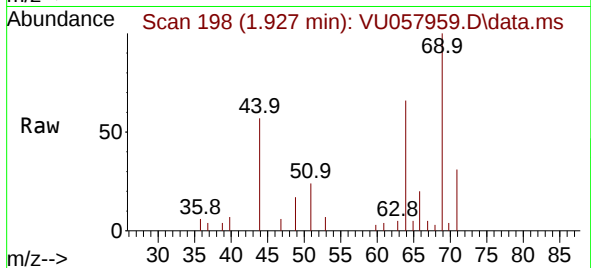
66 30.7 22.5 41.9

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.807 ug/L

RT: 2.132 min Scan# 262

Delta R.T. 0.003 min

Lab File: VU057959.D

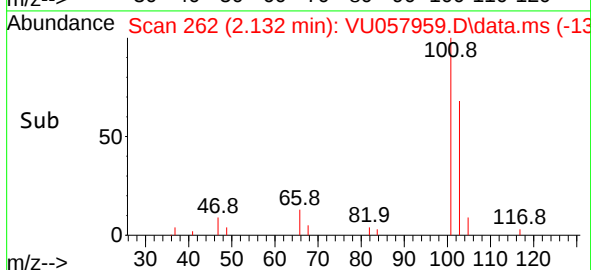
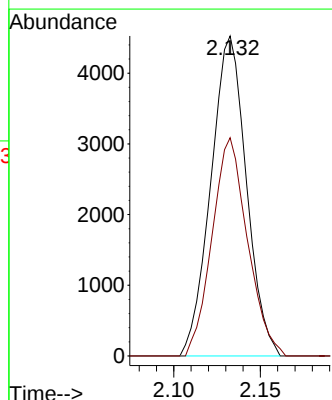
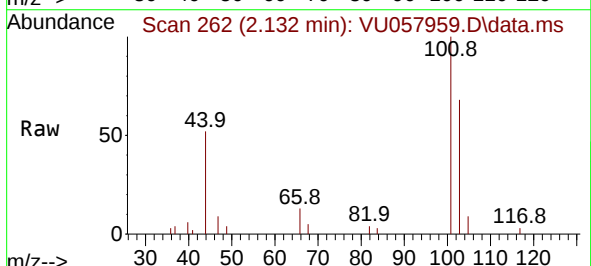
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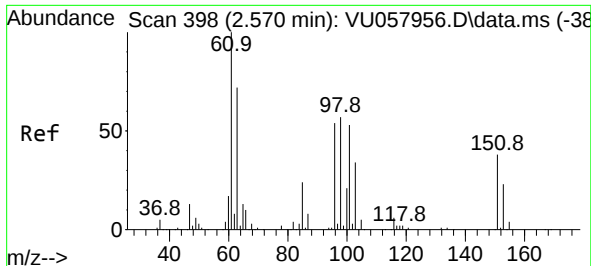
Tgt Ion:101 Resp: 6460

Ion Ratio Lower Upper

101 100

103 68.0 51.7 77.5





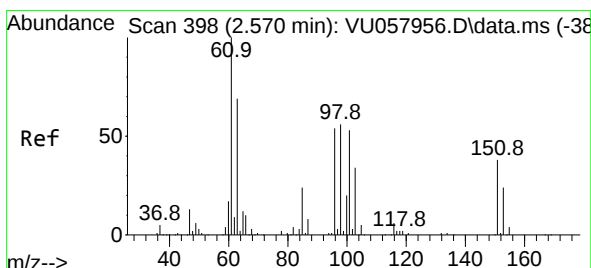
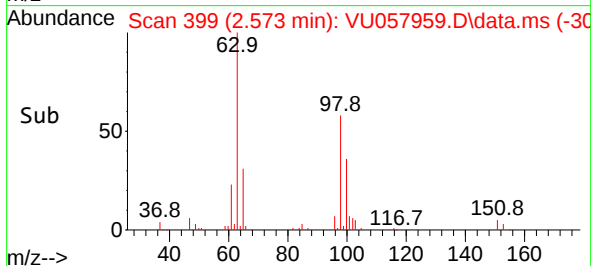
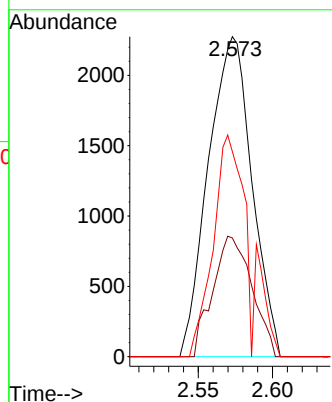
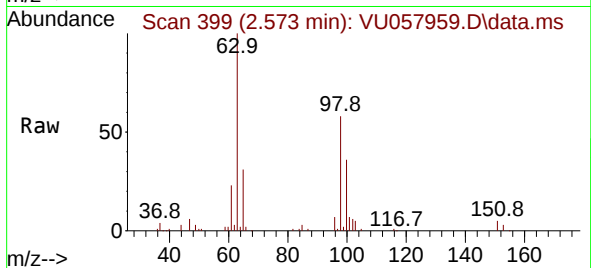
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.238 ug/L
RT: 2.573 min Scan# 398
Delta R.T. 0.003 min
Lab File: VU057959.D
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Tgt Ion: 101 Resp: 4652
Ion Ratio Lower Upper
101 100
85 33.8 35.7 53.5
151 47.5 55.8 83.6

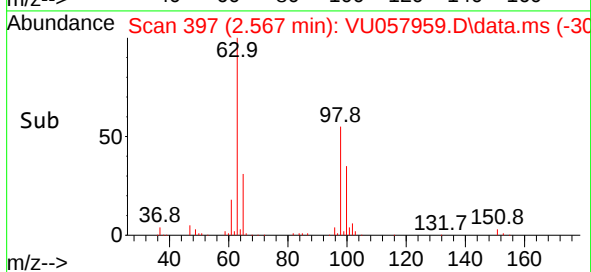
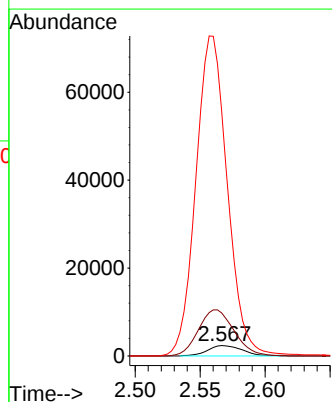
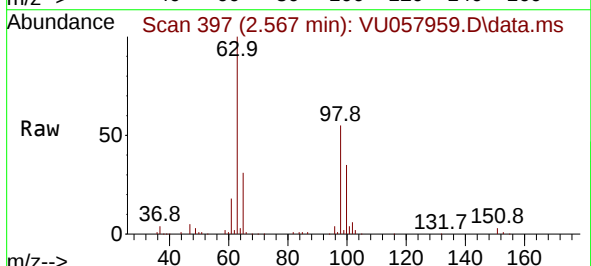
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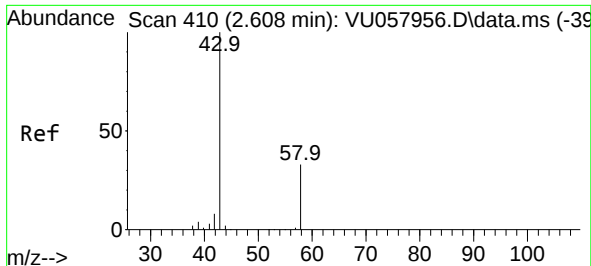
Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#12
1,1-Dichloroethene
Concen: 2.310 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.003 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

Tgt Ion: 96 Resp: 4441
Ion Ratio Lower Upper
96 100
61 415.7 126.8 235.6#
63 2368.8 86.5 160.7#





#13

Acetone

Concen: 3.418 ug/L

RT: 2.615 min Scan# 410

Delta R.T. 0.006 min

Lab File: VU057959.D

Acq: 28 Feb 2024 13:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2024-02

Tgt Ion: 43 Resp: 462

Ion Ratio Lower Upper

43 100

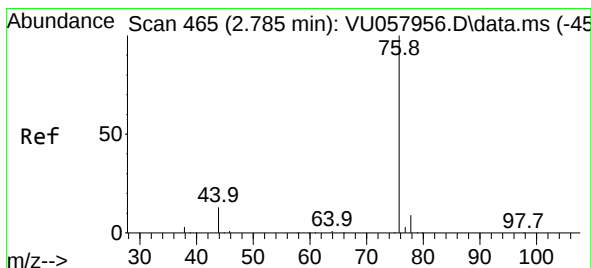
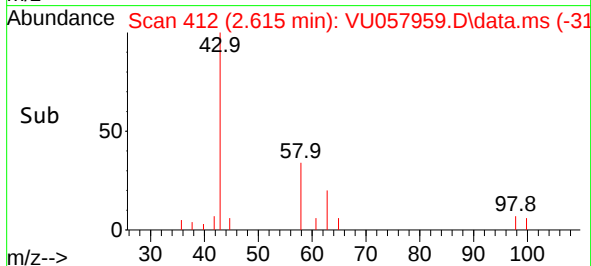
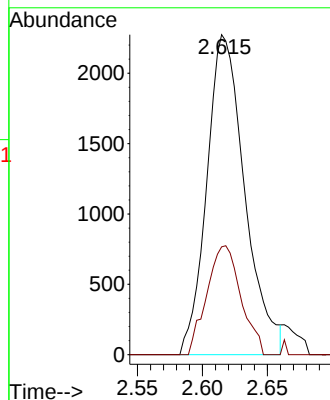
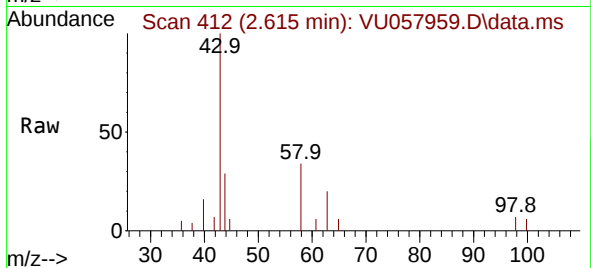
58 30.5 0.0 64.2

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#14

Carbon disulfide

Concen: 1.798 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.000 min

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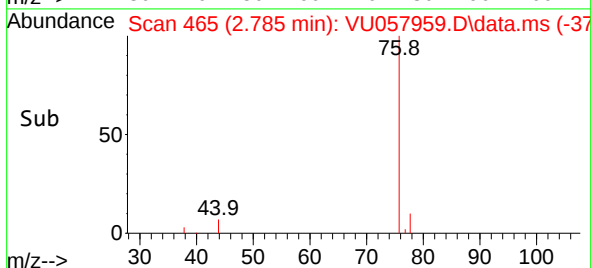
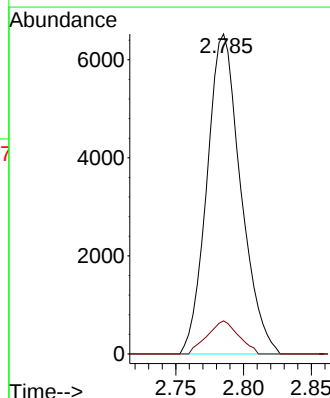
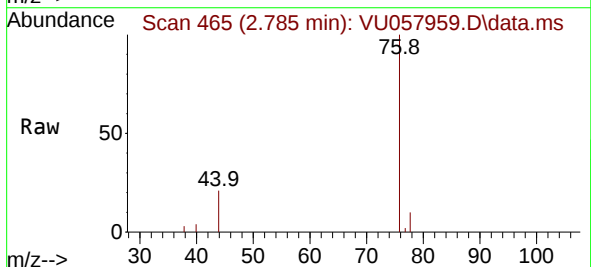
Acq: 28 Feb 2024 13:27

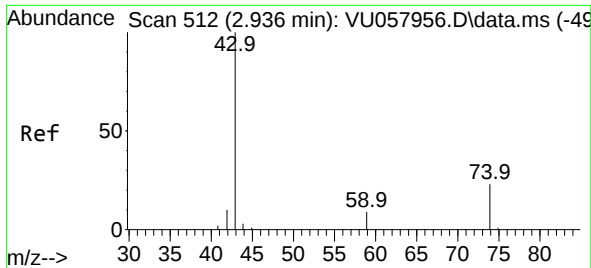
Tgt Ion: 76 Resp: 11310

Ion Ratio Lower Upper

76 100

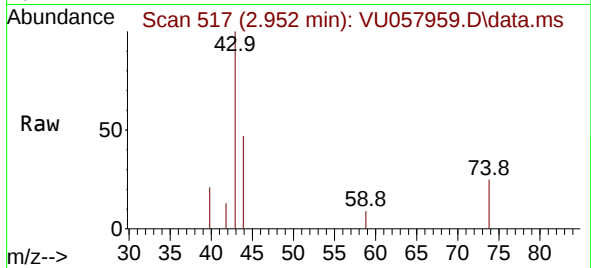
78 10.3 7.1 10.7





#15
Methyl Acetate
Concen: 1.534 ug/L
RT: 2.952 min Scan# 512
Delta R.T. 0.016 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

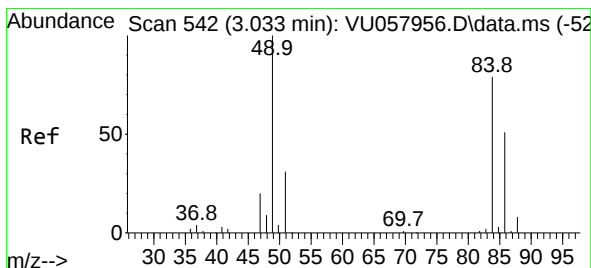
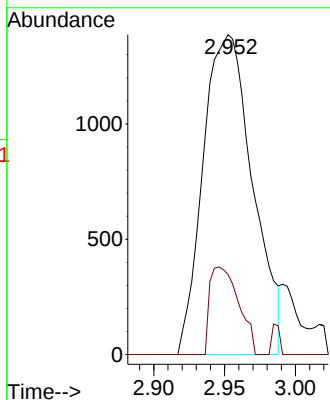
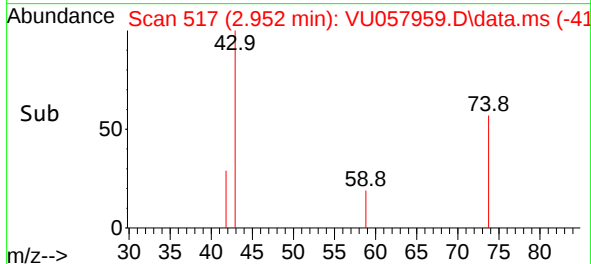
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion: 43 Resp: 3370
Ion Ratio Lower Upper
43 100
74 16.0 18.6 27.8

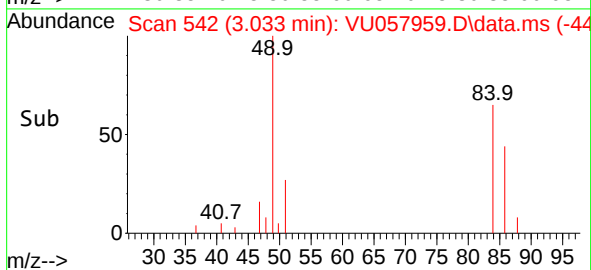
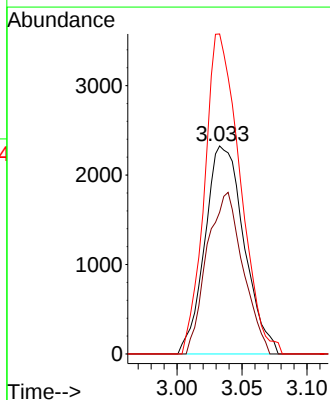
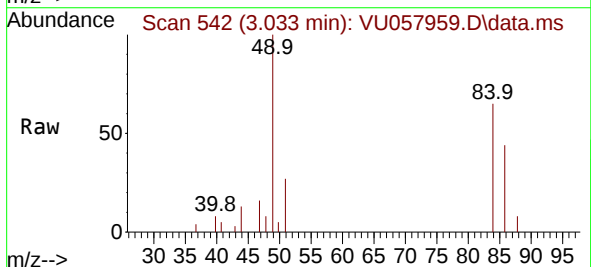
Manual Integrations
APPROVED

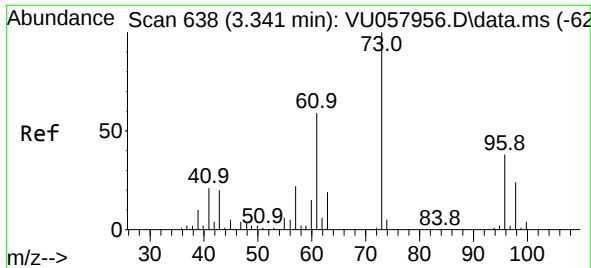
Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#16
Methylene chloride
Concen: 1.942 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.000 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

Tgt Ion: 84 Resp: 4865
Ion Ratio Lower Upper
84 100
86 68.1 45.1 83.7
49 153.8 89.7 166.5





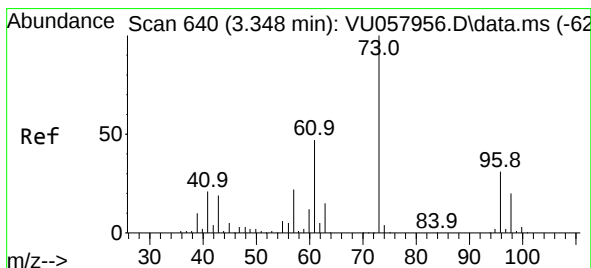
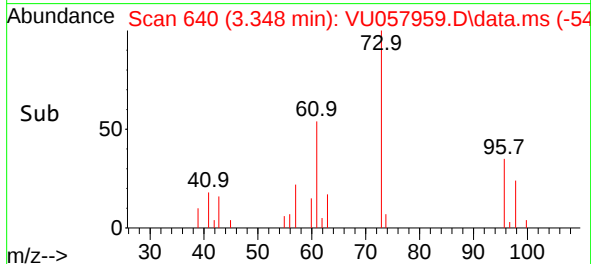
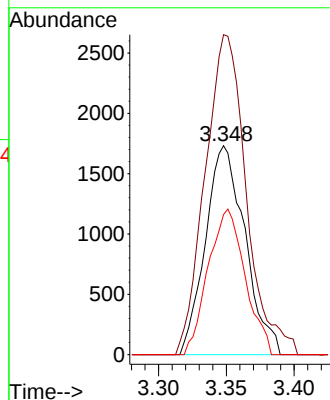
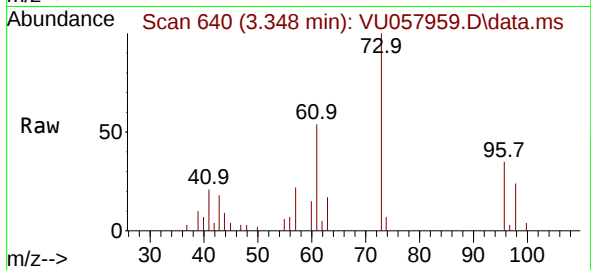
#17
trans-1,2-Dichloroethene
Concen: 1.765 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.006 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-02

Tgt Ion: 96 Resp: 3520
Ion Ratio Lower Upper
96 100
61 140.2 106.3 197.3
98 61.4 44.4 82.5

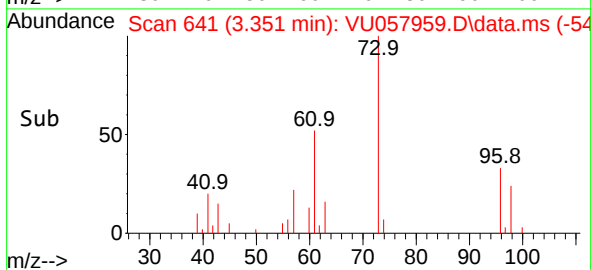
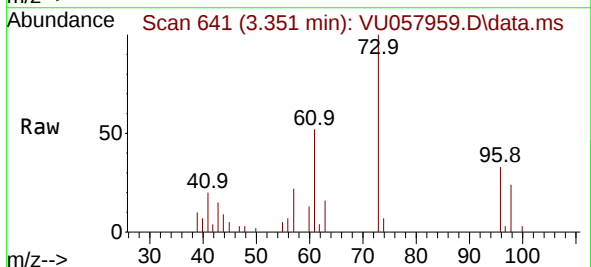
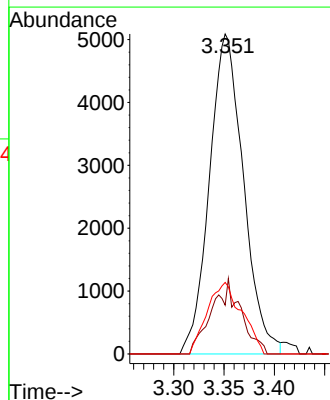
Manual Integrations
APPROVED

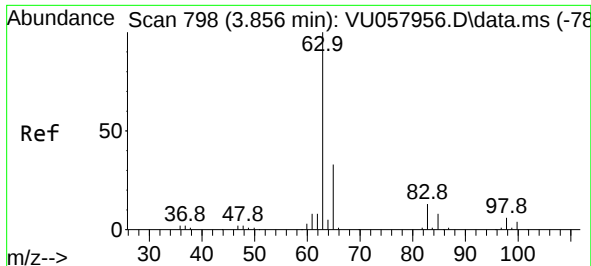
Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#18
Methyl tert-butyl Ether
Concen: 1.725 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

Tgt Ion: 73 Resp: 11978
Ion Ratio Lower Upper
73 100
43 3.1 16.0 24.0#
57 22.7 17.8 26.6





#19

1,1-Dichloroethane

Concen: 1.832 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.006 min

Lab File: VU057959.D

Acq: 28 Feb 2024 13:27

Instrument :

MSVOA_U

ClientSampleId :

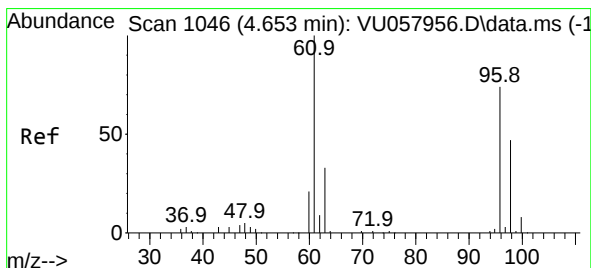
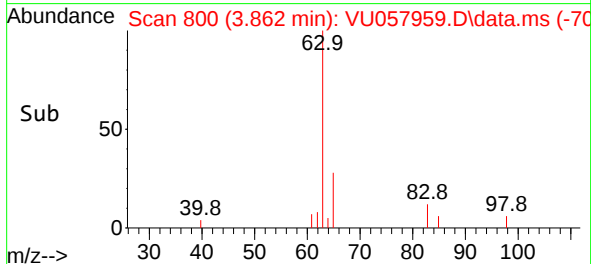
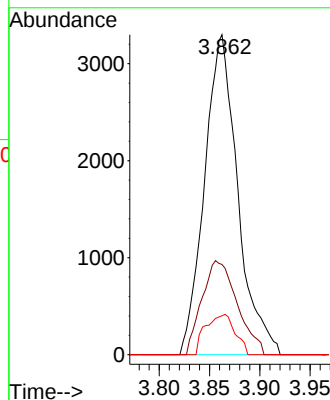
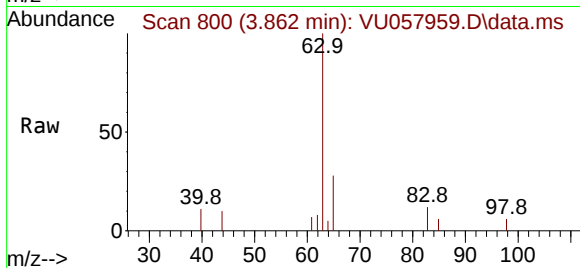
MDL-WATER-QT1-2024-02

Tgt Ion:	63	Resp:	757
Ion Ratio	Lower	Upper	
63	100		
65	28.2	21.7	40.3
83	12.2	9.4	17.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#20

cis-1,2-Dichloroethene

Concen: 1.796 ug/L

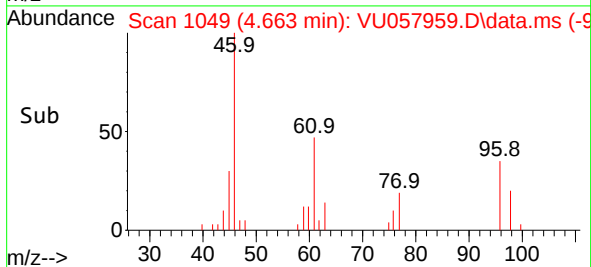
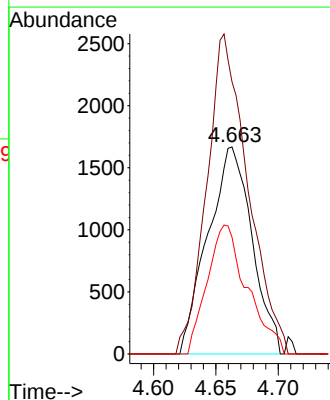
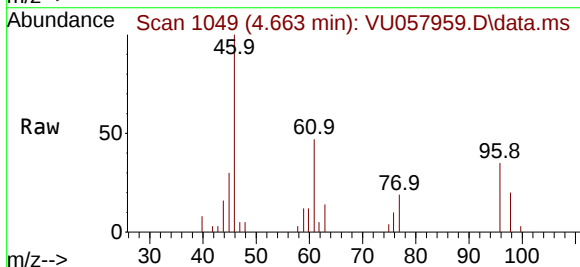
RT: 4.663 min Scan# 1049

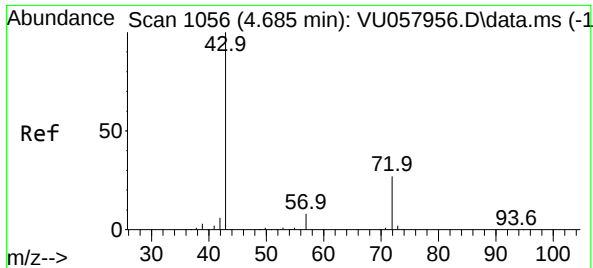
Delta R.T. 0.010 min

Lab File: VU057959.D

Acq: 28 Feb 2024 13:27

Tgt Ion:	96	Resp:	4108
Ion Ratio	Lower	Upper	
96	100		
61	131.4	96.7	179.7
98	56.4	44.3	82.3





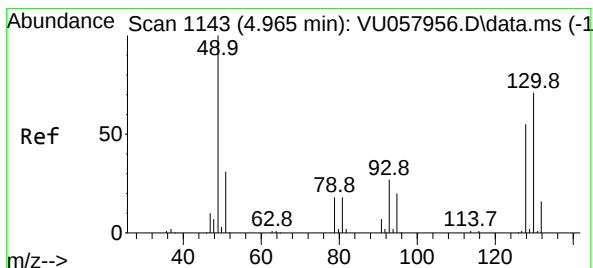
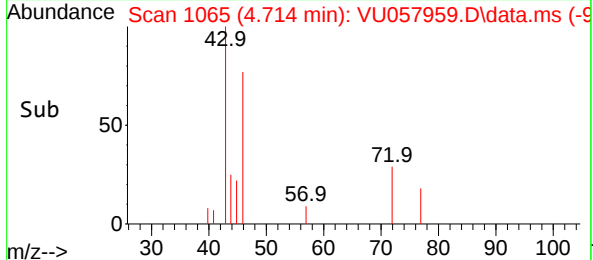
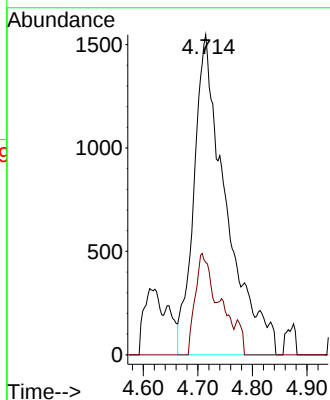
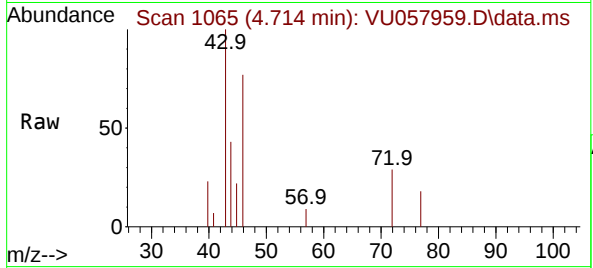
#22
2-Butanone
Concen: 3.864 ug/L m
RT: 4.714 min Scan# 1065
Delta R.T. 0.029 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-02

Tgt Ion: 43 Resp: 6330
Ion Ratio Lower Upper
43 100
72 16.4 13.8 41.3

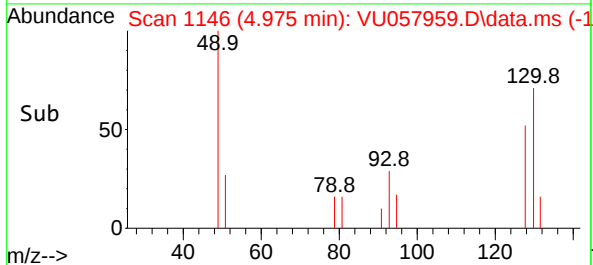
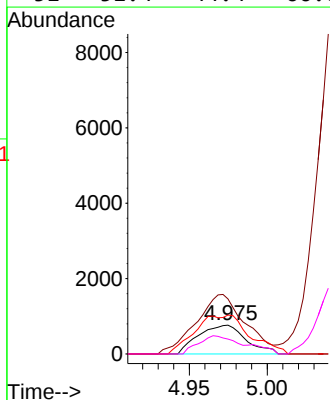
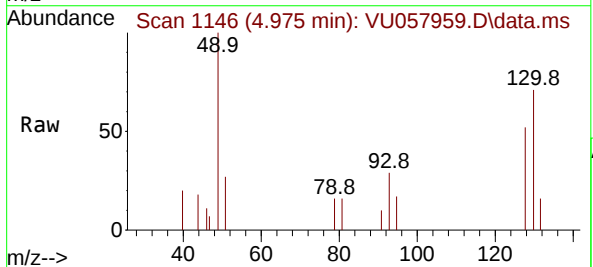
Manual Integrations
APPROVED

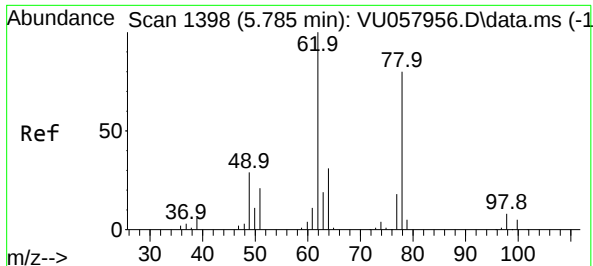
Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#23
Bromochloromethane
Concen: 1.455 ug/L
RT: 4.975 min Scan# 1146
Delta R.T. 0.010 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

Tgt Ion:128 Resp: 1617
Ion Ratio Lower Upper
128 100
49 190.6 124.0 230.4
130 134.6 87.8 163.0
51 51.4 44.4 66.6





#27

1,2-Dichloroethane

Concen: 1.844 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.006 min

Lab File: VU057959.D

Acq: 28 Feb 2024 13:27

Instrument :

MSVOA_U

ClientSampleId :

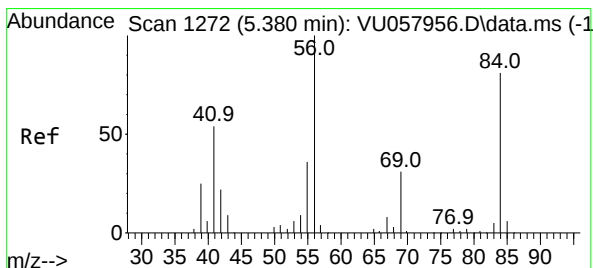
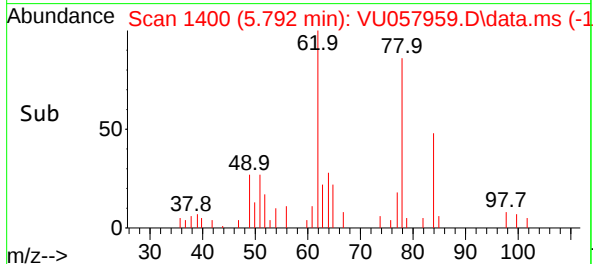
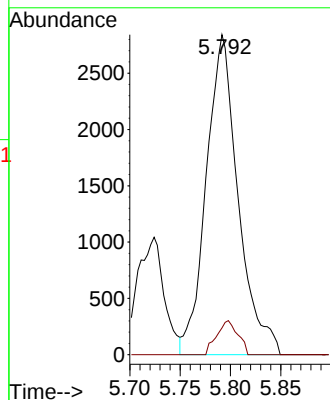
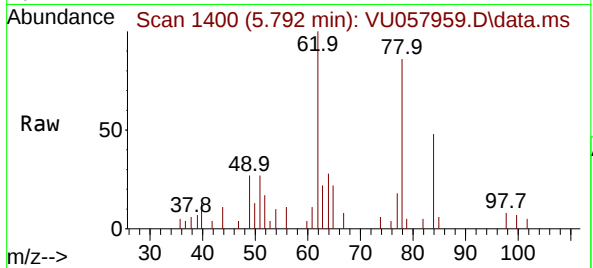
MDL-WATER-QT1-2024-02

Tgt Ion: 62 Resp: 626
 Ion Ratio Lower Upper
 62 100
 98 8.4 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/29/2024
 Supervised By :Semsettin Yesilyurt 02/29/2024



#29

Cyclohexane

Concen: 1.503 ug/L

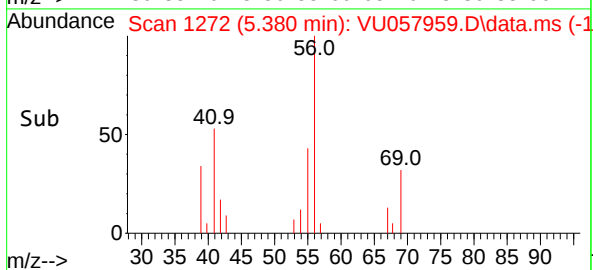
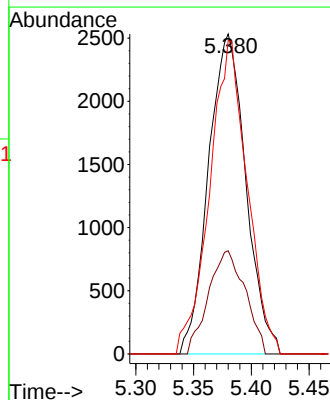
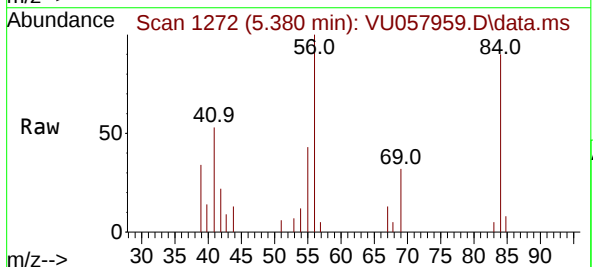
RT: 5.380 min Scan# 1272

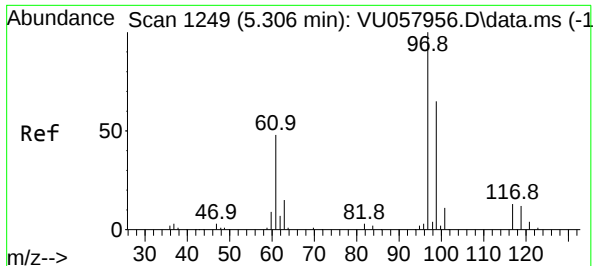
Delta R.T. -0.000 min

Lab File: VU057959.D

Acq: 28 Feb 2024 13:27

Tgt Ion: 56 Resp: 5704
 Ion Ratio Lower Upper
 56 100
 69 31.7 24.6 36.8
 84 97.8 66.9 100.3





#30

1,1,1-Trichloroethane

Concen: 1.685 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. 0.000 min

Lab File: VU057959.D

Acq: 28 Feb 2024 13:27

Instrument :

MSVOA_U

ClientSampleId :

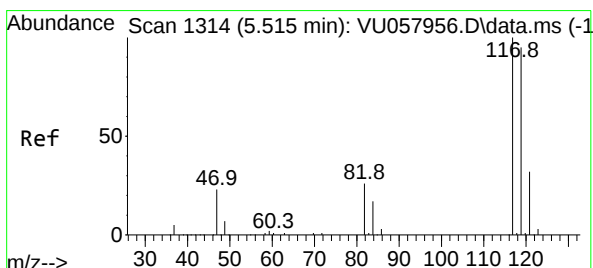
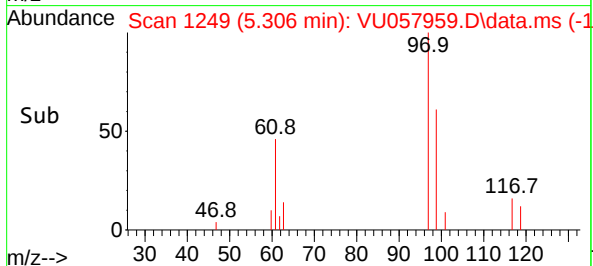
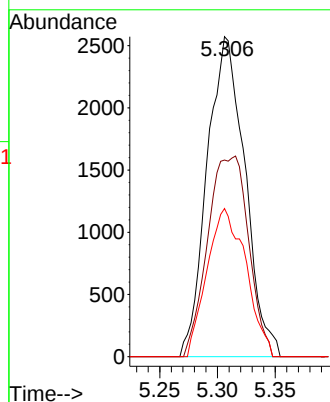
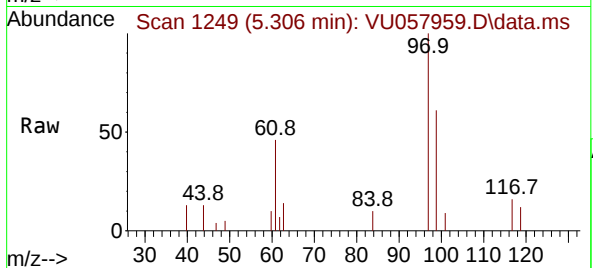
MDL-WATER-QT1-2024-02

Tgt Ion: 97	Resp: 585
Ion Ratio	Lower Upper
97	100
99	36.6 51.6 77.4
61	47.7 36.8 55.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#31

Carbon tetrachloride

Concen: 1.708 ug/L

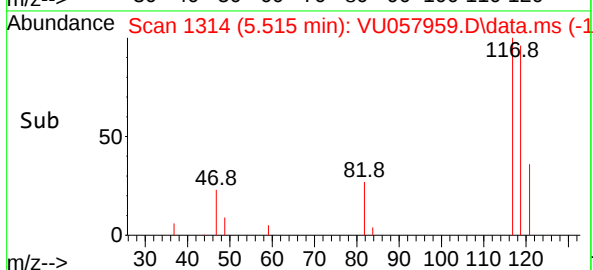
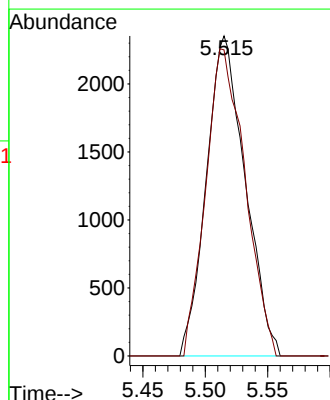
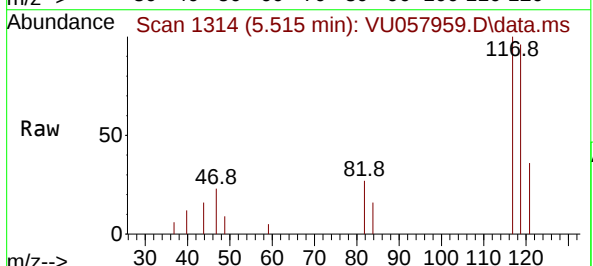
RT: 5.515 min Scan# 1314

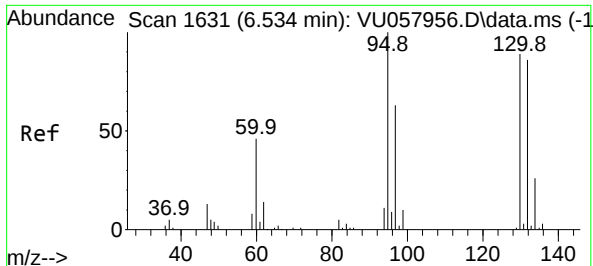
Delta R.T. 0.000 min

Lab File: VU057959.D

Acq: 28 Feb 2024 13:27

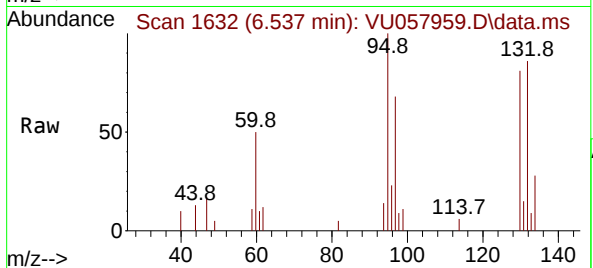
Tgt Ion:117	Resp: 5097
Ion Ratio	Lower Upper
117	100
119	97.2 75.9 113.9





#34
Trichloroethene
Concen: 1.826 ug/L
RT: 6.537 min Scan# 1631
Delta R.T. 0.003 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

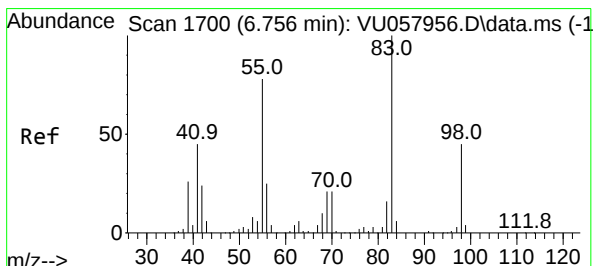
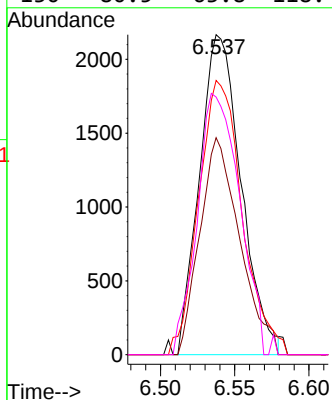
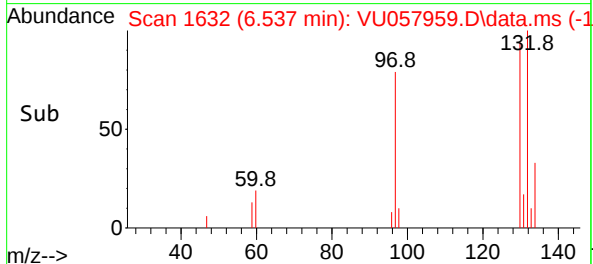
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-02



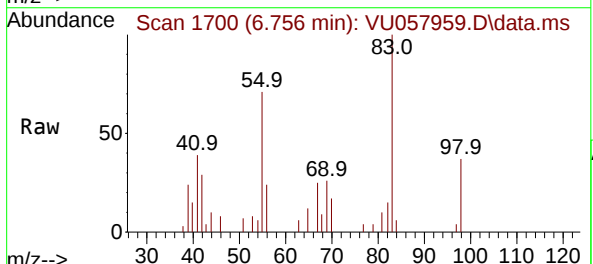
Tgt Ion: 95 Resp: 4220
Ion Ratio Lower Upper
95 100
97 76.3 44.2 82.2
132 85.7 61.4 114.0
130 80.5 63.8 118.4

Manual Integrations
APPROVED

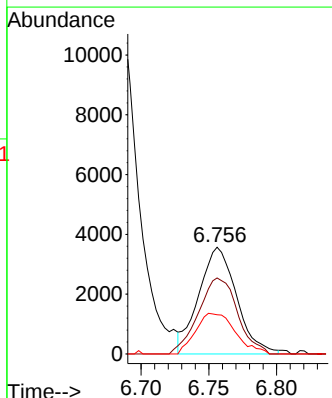
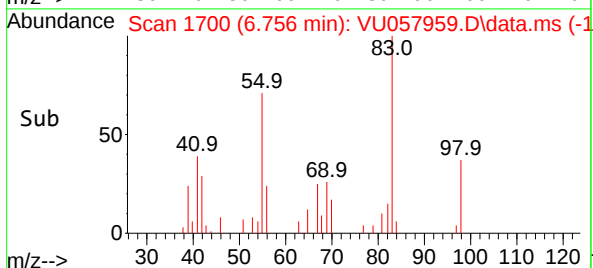
Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024

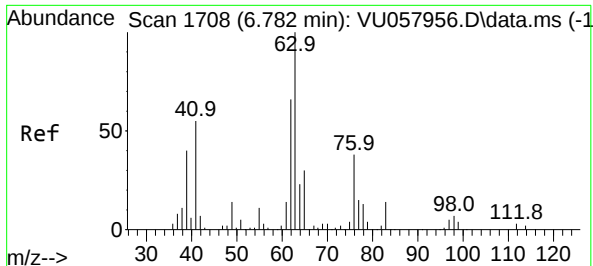


#35
Methylcyclohexane
Concen: 1.845 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27



Tgt Ion: 83 Resp: 6930
Ion Ratio Lower Upper
83 100
55 73.4 62.7 94.1
98 39.8 36.3 54.5





#37

1,2-Dichloropropane

Concen: 1.850 ug/L

RT: 6.785 min Scan# 1708

Delta R.T. 0.003 min

Lab File: VU057959.D

Acq: 28 Feb 2024 13:27

Instrument :

MSVOA_U

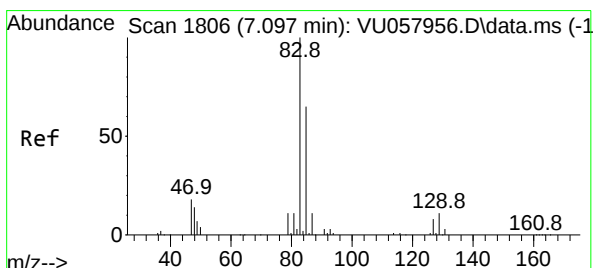
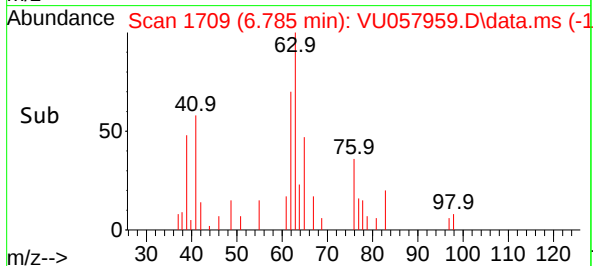
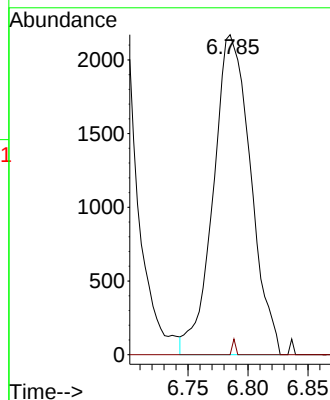
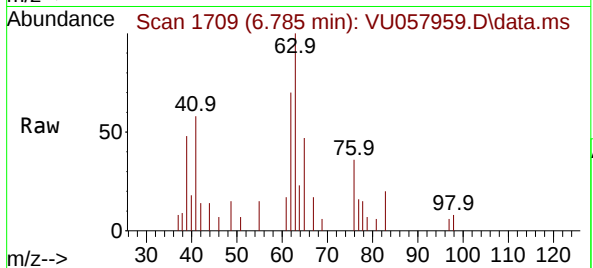
ClientSampleId :

MDL-WATER-QT1-2024-02

Tgt Ion: 63 Resp: 469
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/29/2024
 Supervised By :Semsettin Yesilyurt 02/29/2024



#38

Bromodichloromethane

Concen: 1.797 ug/L

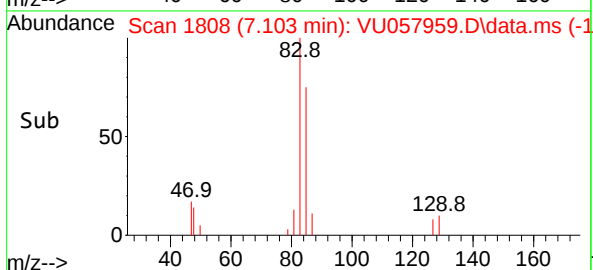
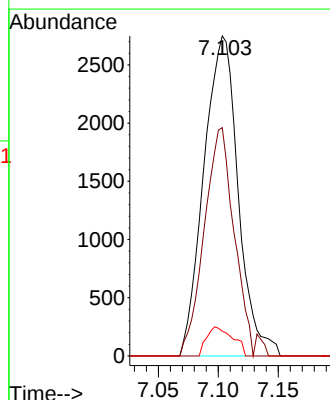
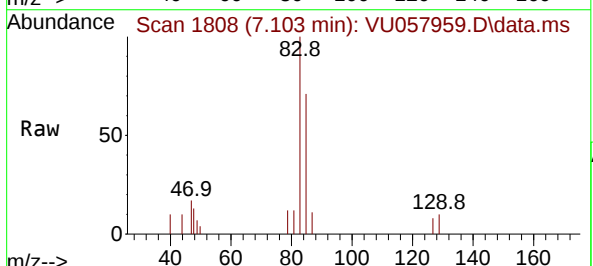
RT: 7.103 min Scan# 1808

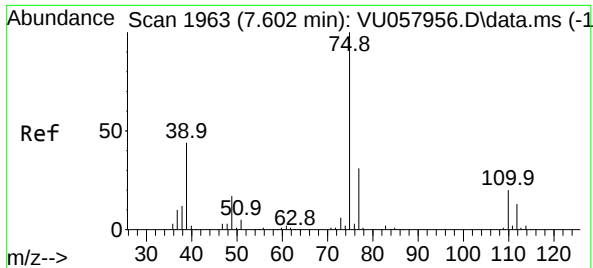
Delta R.T. 0.006 min

Lab File: VU057959.D

Acq: 28 Feb 2024 13:27

Tgt Ion: 83 Resp: 5476
 Ion Ratio Lower Upper
 83 100
 85 71.4 45.4 84.4
 127 7.8 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 1.667 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.003 min

Lab File: VU057959.D

Acq: 28 Feb 2024 13:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2024-02

Tgt Ion: 75 Resp: 646

Ion Ratio Lower Upper

75 100

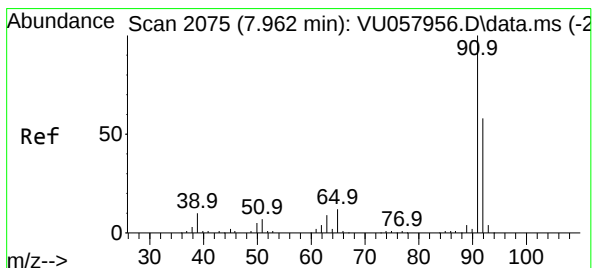
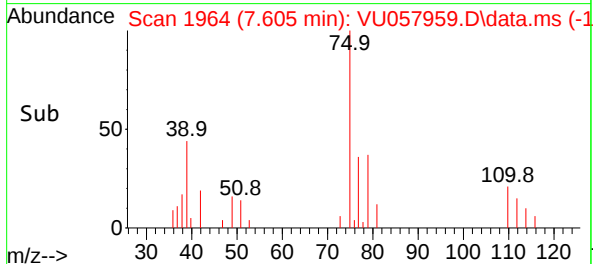
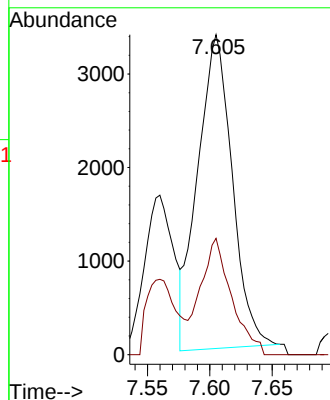
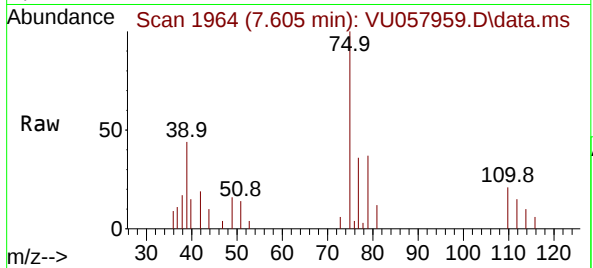
77 39.3 22.0 41.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/29/2024

Supervised By :Semsettin Yesilyurt 02/29/2024



#42

Toluene

Concen: 1.761 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.006 min

Lab File: VU057959.D

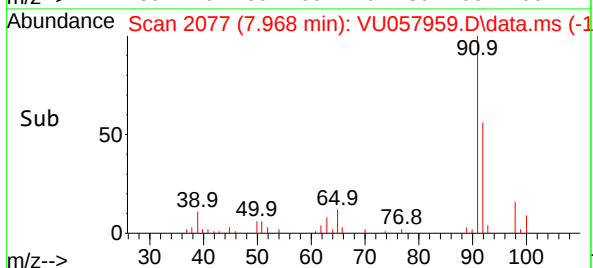
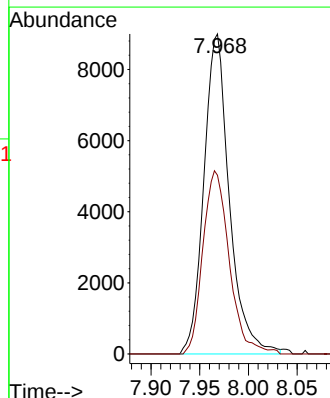
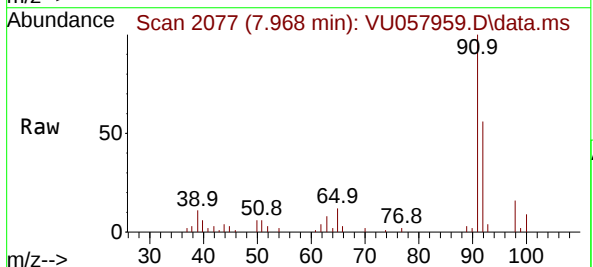
Acq: 28 Feb 2024 13:27

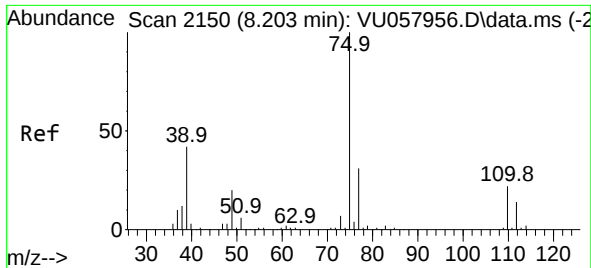
Tgt Ion: 91 Resp: 16390

Ion Ratio Lower Upper

91 100

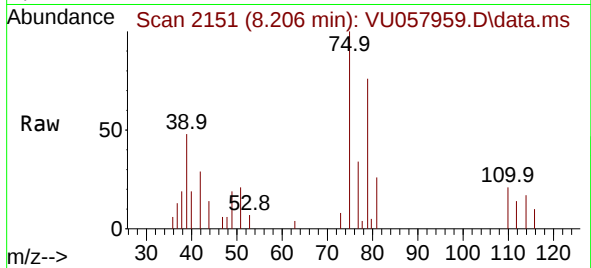
92 60.3 40.3 74.9





#44
trans-1,3-Dichloropropene
Concen: 1.636 ug/L m
RT: 8.206 min Scan# 2150
Delta R.T. 0.003 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

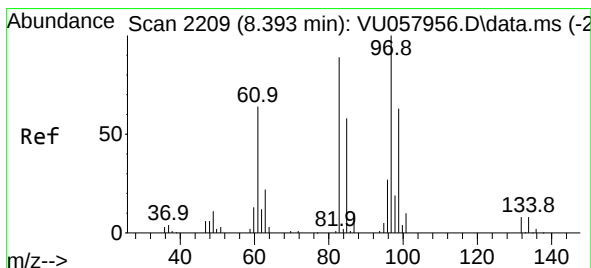
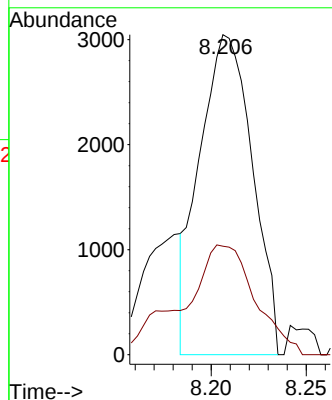
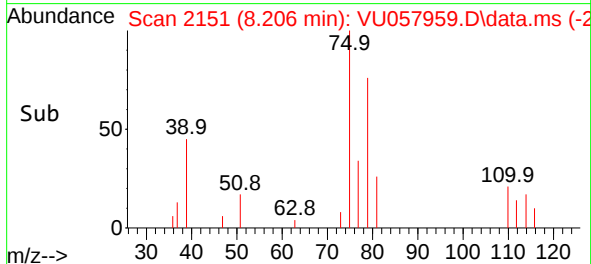
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion: 75 Resp: 588
Ion Ratio Lower Upper
75 100
77 33.9 21.8 40.4

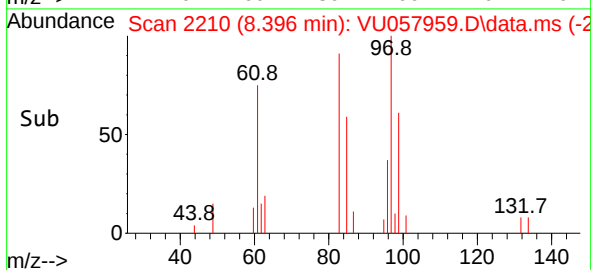
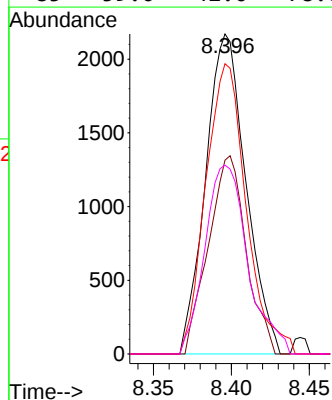
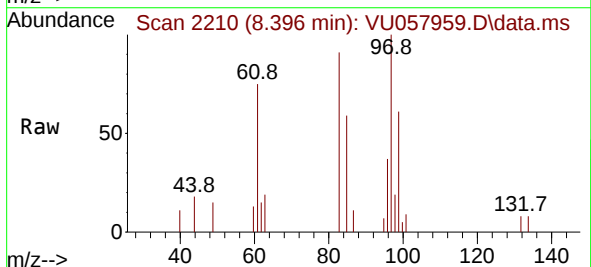
Manual Integrations
APPROVED

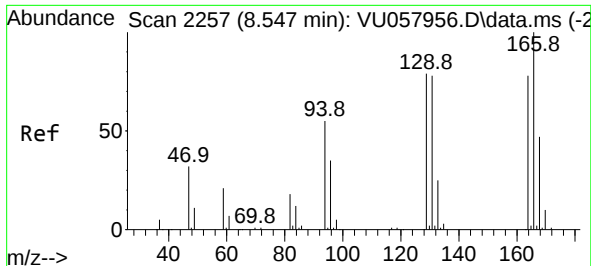
Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#45
1,1,2-Trichloroethane
Concen: 1.730 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.003 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

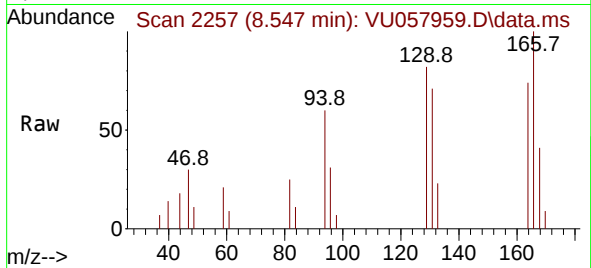
Tgt Ion: 97 Resp: 3899
Ion Ratio Lower Upper
97 100
99 60.6 43.0 80.0
83 90.7 65.0 120.6
85 59.0 42.0 78.0





#46
Tetrachloroethene
Concen: 1.784 ug/L
RT: 8.547 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

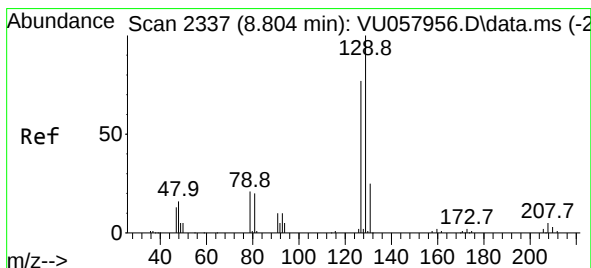
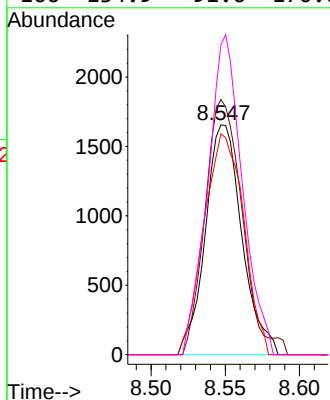
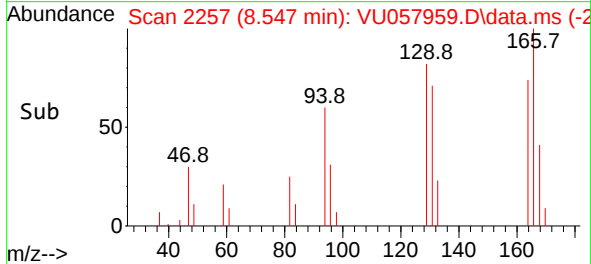
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion:164 Resp: 283
Ion Ratio Lower Upper
164 100
129 111.1 74.1 137.7
131 96.1 72.0 133.6
166 134.9 91.6 170.0

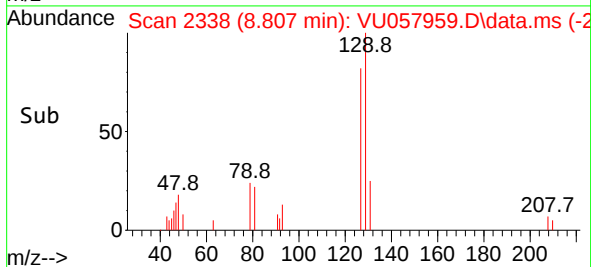
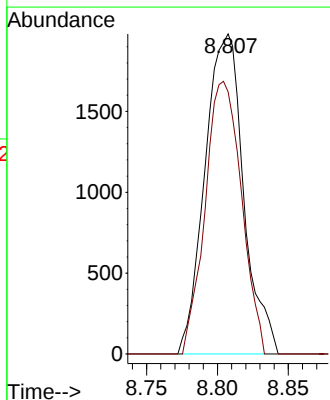
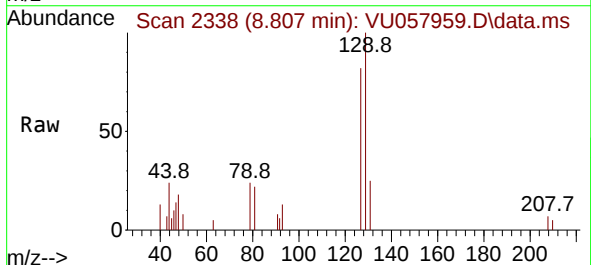
Manual Integrations
APPROVED

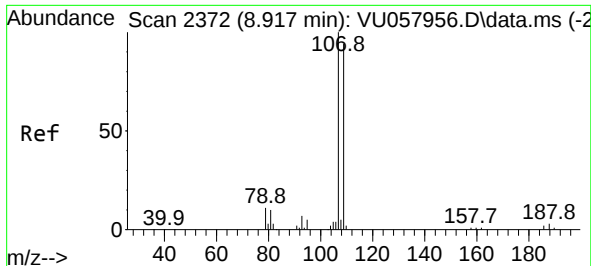
Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#49
Dibromochloromethane
Concen: 1.674 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

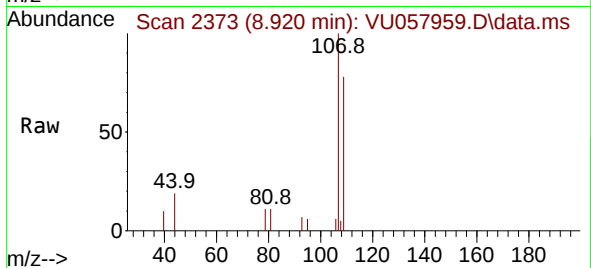
Tgt Ion:129 Resp: 3758
Ion Ratio Lower Upper
129 100
127 81.9 53.3 99.1





#50
1,2-Dibromoethane
Concen: 1.780 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

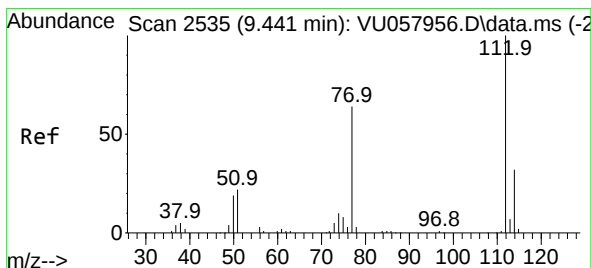
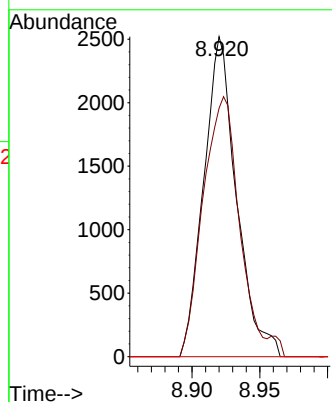
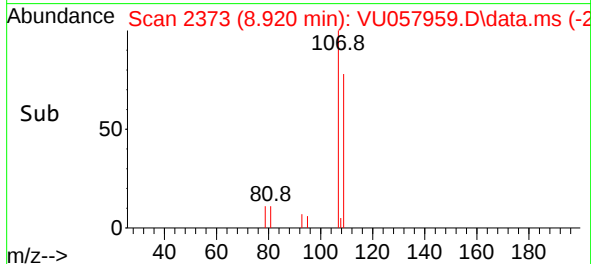
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion:107 Resp: 4220
Ion Ratio Lower Upper
107 100
109 74.1 66.1 122.8
188 0.0 2.6 3.8

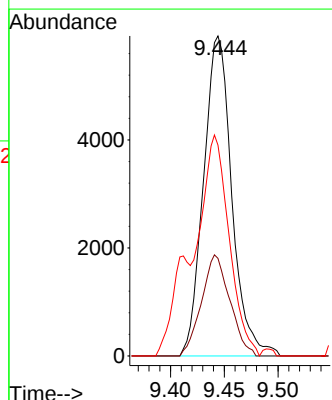
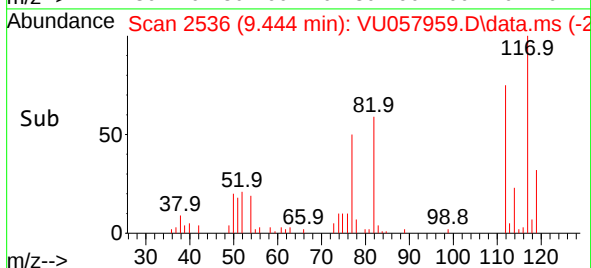
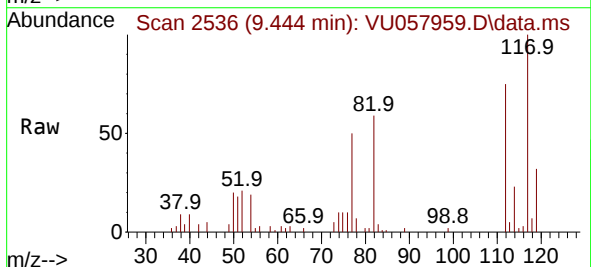
Manual Integrations
APPROVED

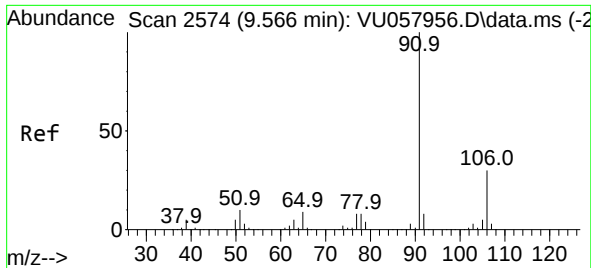
Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#51
Chlorobenzene
Concen: 1.833 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

Tgt Ion:112 Resp: 10848
Ion Ratio Lower Upper
112 100
114 28.5 22.7 42.1
77 61.5 51.8 77.8





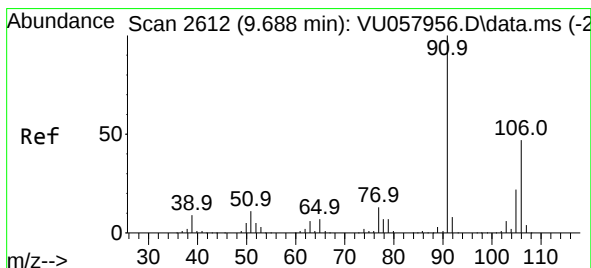
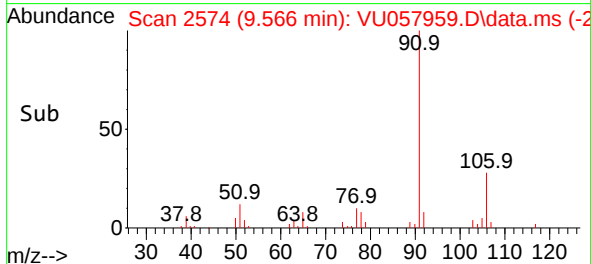
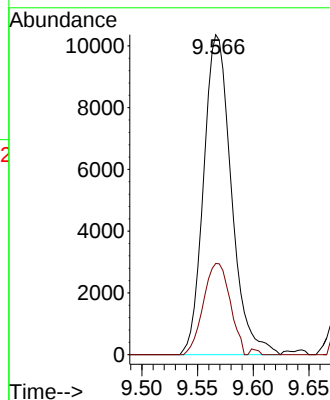
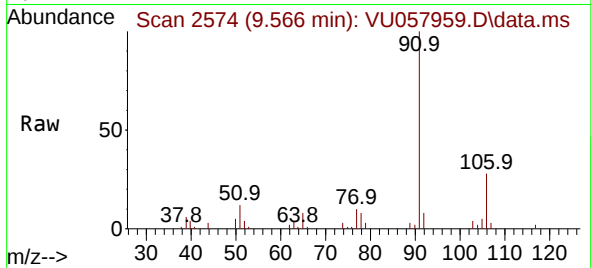
#52
Ethylbenzene
Concen: 1.721 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-02

Tgt Ion: 91 Resp: 17954
Ion Ratio Lower Upper
91 100
106 31.7 21.1 39.1

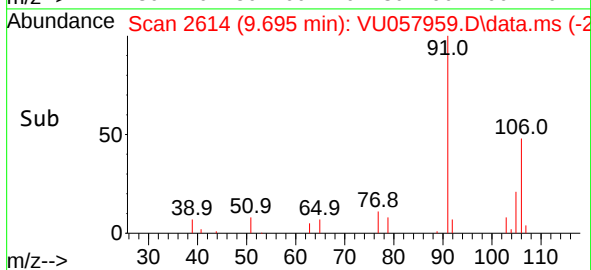
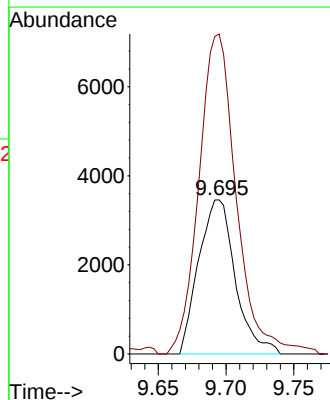
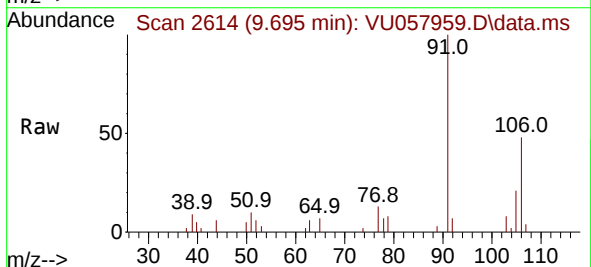
Manual Integrations
APPROVED

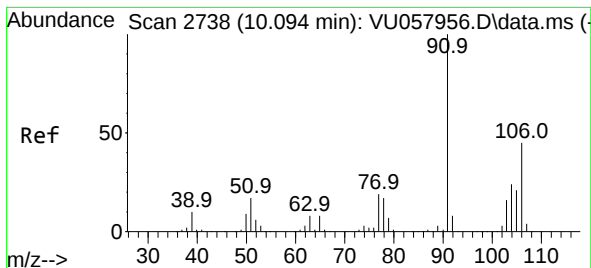
Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#53
m,p-Xylene
Concen: 1.713 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.006 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

Tgt Ion:106 Resp: 6499
Ion Ratio Lower Upper
106 100
91 193.2 150.2 279.0





#54

o-Xylene

Concen: 1.479 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU057959.D

Acq: 28 Feb 2024 13:27

Instrument :

MSVOA_U

ClientSampleId :

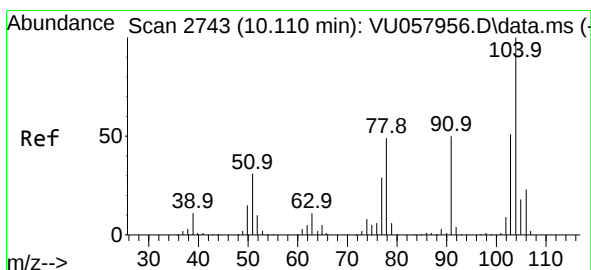
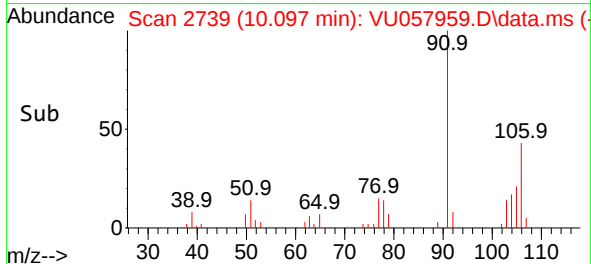
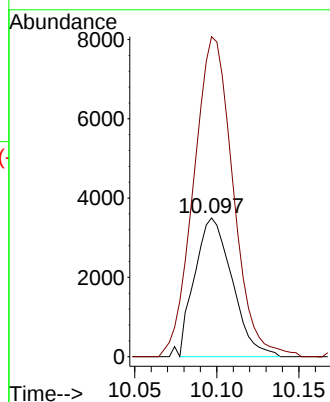
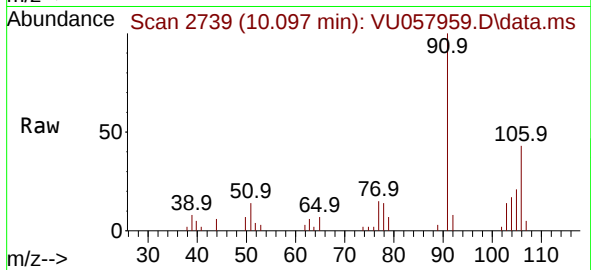
MDL-WATER-QT1-2024-02

Tgt Ion:106 Resp: 5549
Ion Ratio Lower Upper
106 100
91 208.0 161.3 299.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#55

Styrene

Concen: 1.465 ug/L

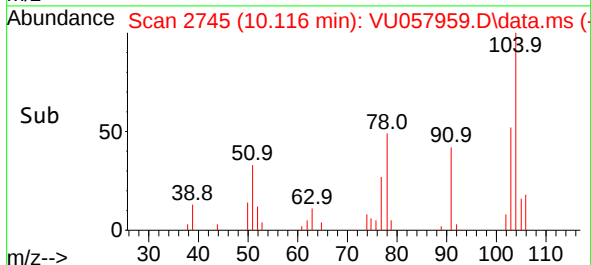
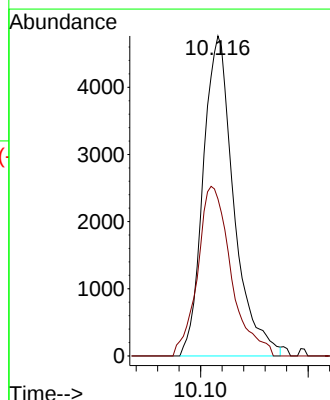
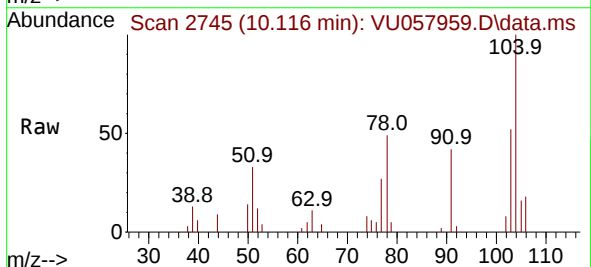
RT: 10.116 min Scan# 2745

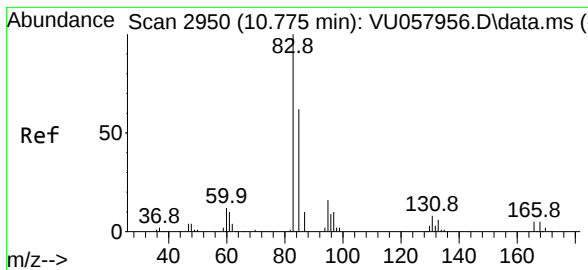
Delta R.T. 0.006 min

Lab File: VU057959.D

Acq: 28 Feb 2024 13:27

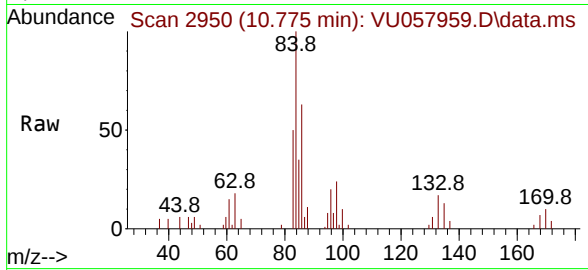
Tgt Ion:104 Resp: 9420
Ion Ratio Lower Upper
104 100
78 54.1 35.6 66.2





#57
1,1,2,2-Tetrachloroethane
Concen: 1.743 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

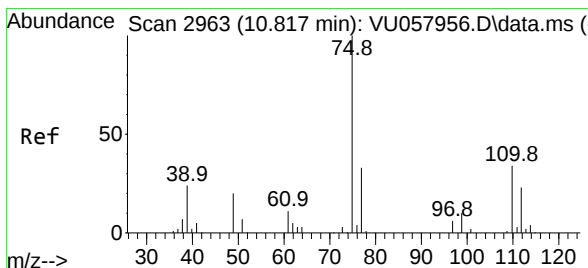
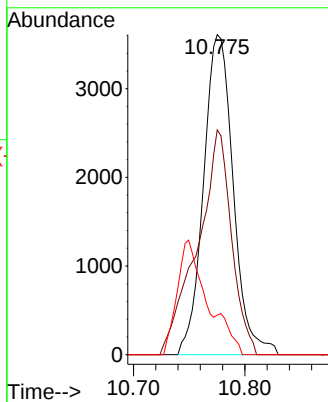
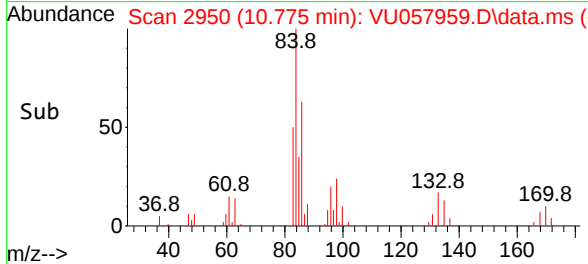
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2024-02



Tgt Ion: 83 Resp: 6694
Ion Ratio Lower Upper
83 100
85 70.2 45.2 84.0
131 12.4 7.8 11.6

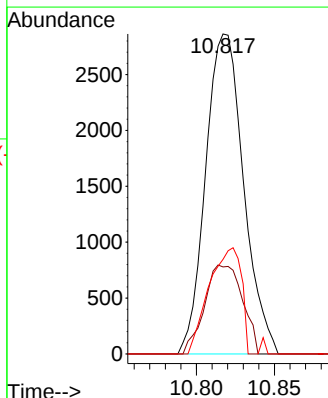
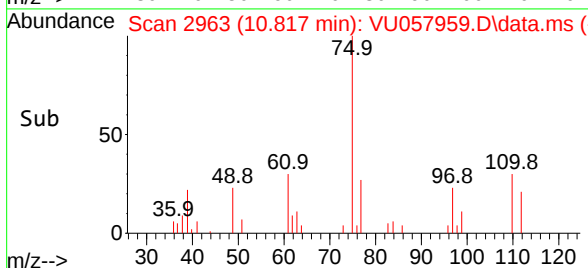
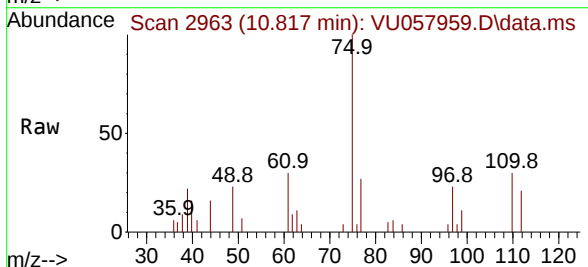
Manual Integrations
APPROVED

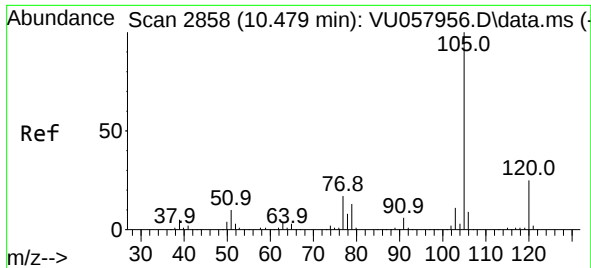
Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#60
1,2,3-Trichloropropane
Concen: 1.772 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

Tgt Ion: 75 Resp: 4845
Ion Ratio Lower Upper
75 100
77 27.7 25.9 38.9
110 28.3 28.3 42.5





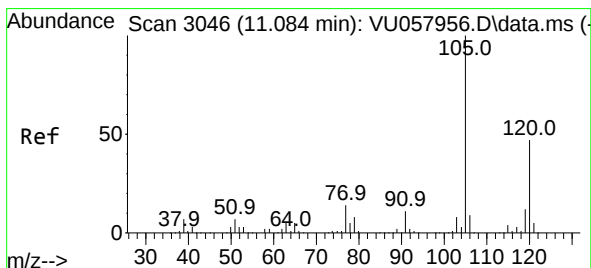
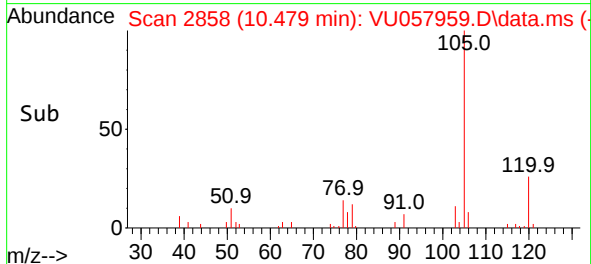
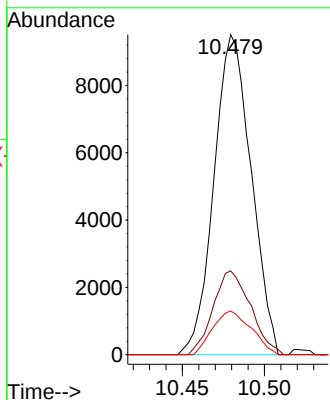
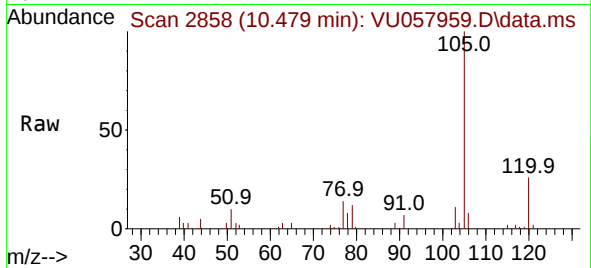
#61
Isopropylbenzene
Concen: 1.625 ug/L
RT: 10.479 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2024-02

Tgt Ion:105 Resp: 14984
Ion Ratio Lower Upper
105 100
120 26.3 20.5 30.7
77 14.1 13.5 20.3

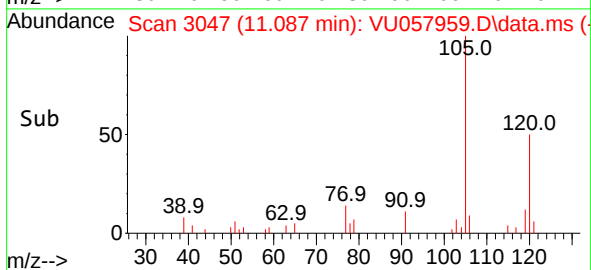
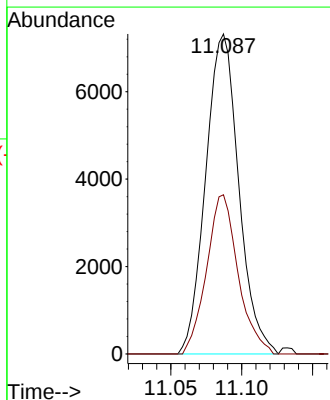
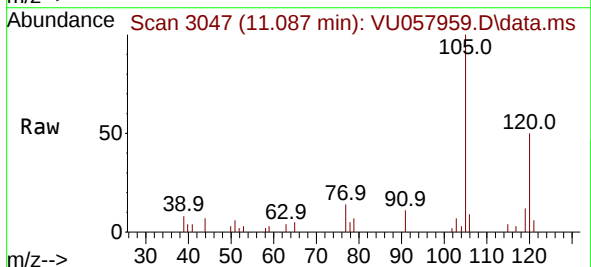
Manual Integrations
APPROVED

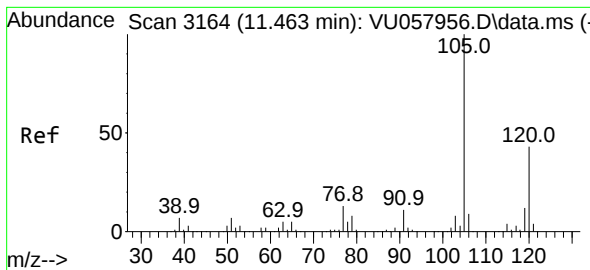
Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#62
1,3,5-Trimethylbenzene
Concen: 1.496 ug/L
RT: 11.087 min Scan# 3047
Delta R.T. 0.003 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

Tgt Ion:105 Resp: 11887
Ion Ratio Lower Upper
105 100
120 47.4 37.0 55.6





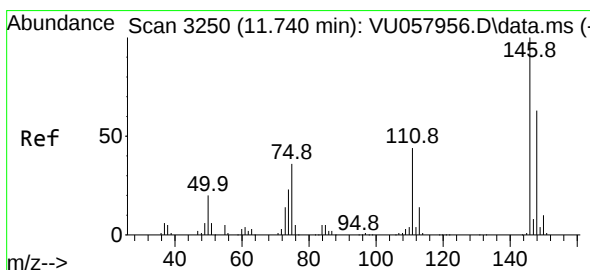
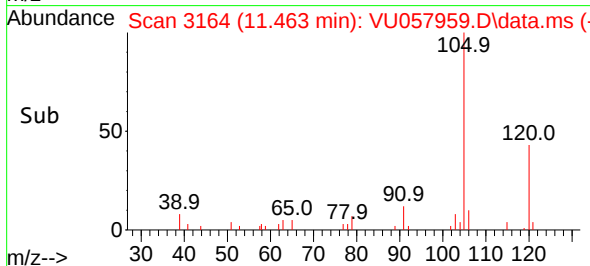
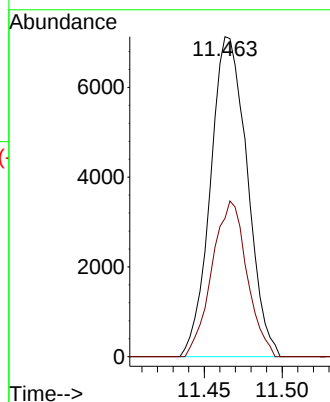
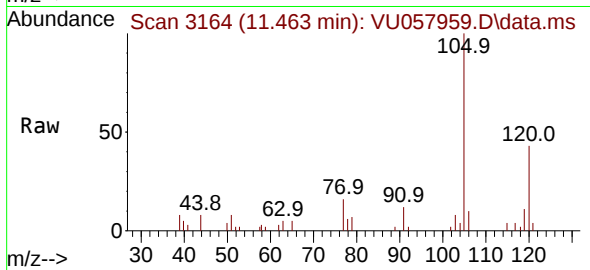
#63
1,2,4-Trimethylbenzene
Concen: 1.461 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2024-02

Tgt Ion:105 Resp: 1166
Ion Ratio Lower Upper
105 100
120 46.4 34.8 52.2

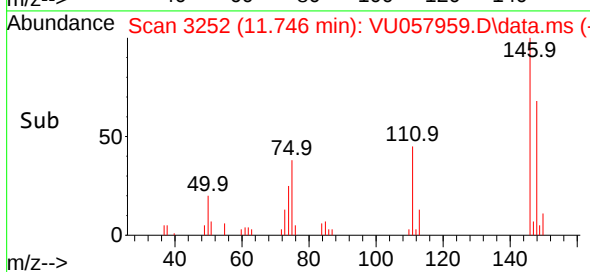
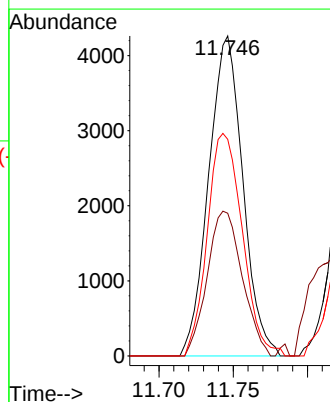
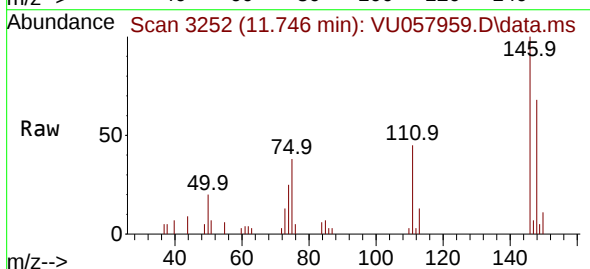
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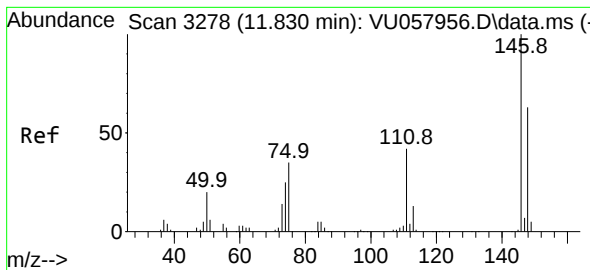
Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#64
1,3-Dichlorobenzene
Concen: 1.674 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.006 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

Tgt Ion:146 Resp: 6824
Ion Ratio Lower Upper
146 100
111 44.6 31.6 58.6
148 72.6 45.1 83.9





#65

1,4-Dichlorobenzene

Concen: 1.995 ug/L

RT: 11.833 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU057959.D

Acq: 28 Feb 2024 13:27

Instrument :

MSVOA_U

ClientSampleId :

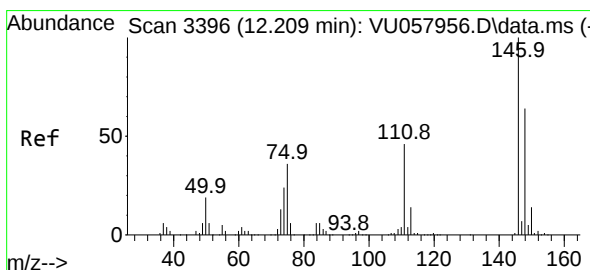
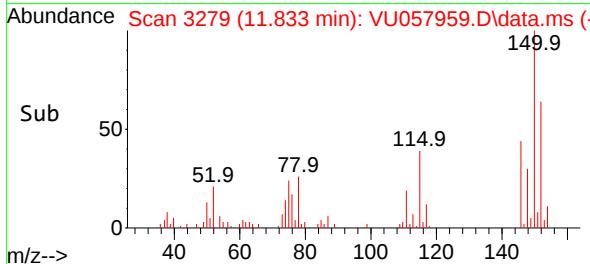
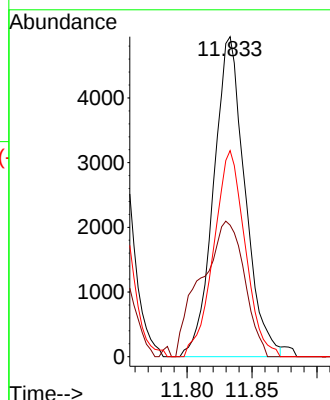
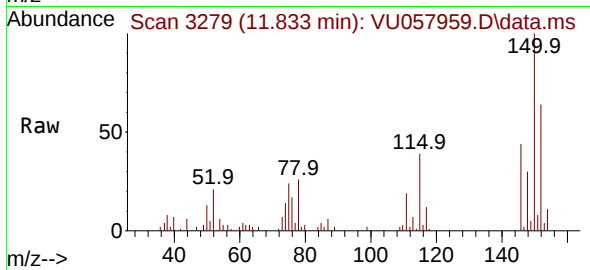
MDL-WATER-QT1-2024-02

Tgt Ion:	146	Resp:	8280
Ion Ratio	Lower	Upper	
146	100		
111	41.1	29.9	55.5
148	74.8	44.7	82.9

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Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#67

1,2-Dichlorobenzene

Concen: 1.890 ug/L

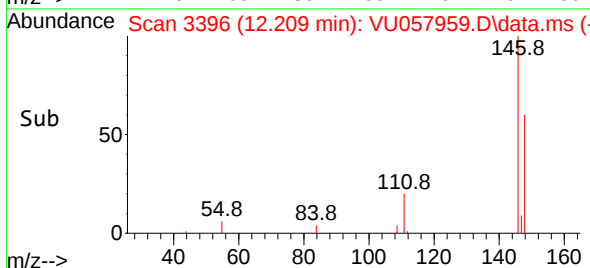
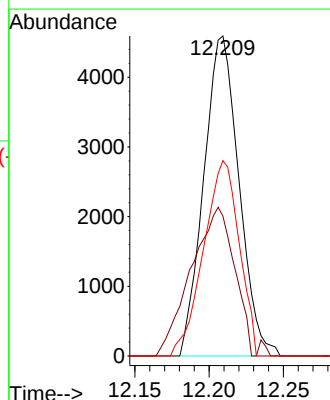
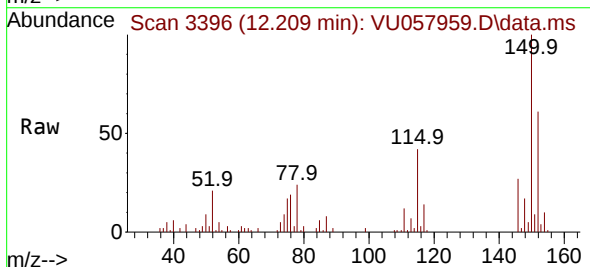
RT: 12.209 min Scan# 3396

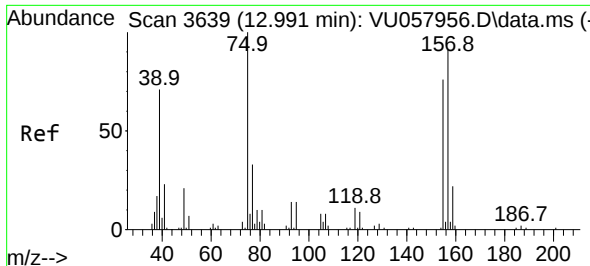
Delta R.T. 0.000 min

Lab File: VU057959.D

Acq: 28 Feb 2024 13:27

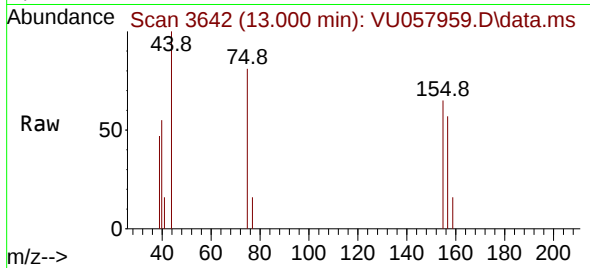
Tgt Ion:	146	Resp:	7581
Ion Ratio	Lower	Upper	
146	100		
111	45.4	37.3	55.9
148	56.8	51.3	76.9





#68
1,2-Dibromo-3-chloropropane
Concen: 1.742 ug/L
RT: 13.000 min Scan# 3639
Delta R.T. 0.010 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

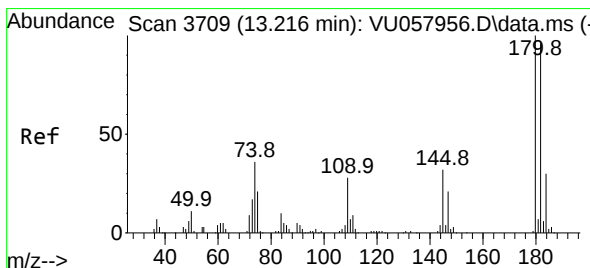
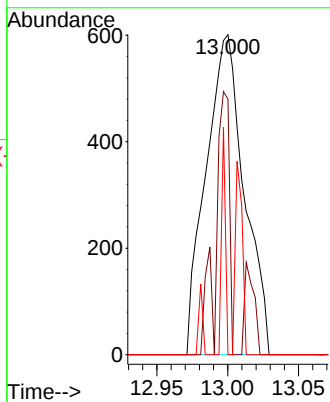
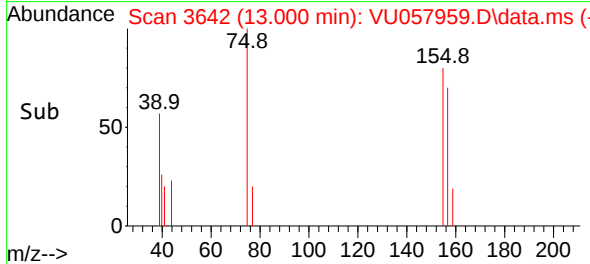
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-02



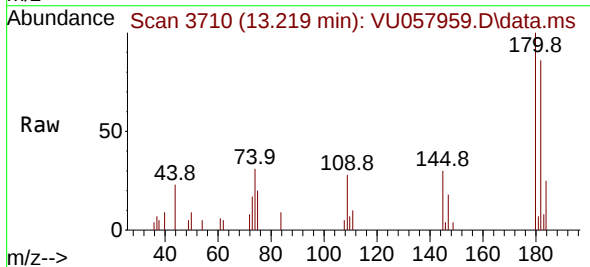
Tgt Ion: 75 Resp: 113
Ion Ratio Lower Upper
75 100
155 79.9 63.2 94.8
157 0.0 74.6 112.0

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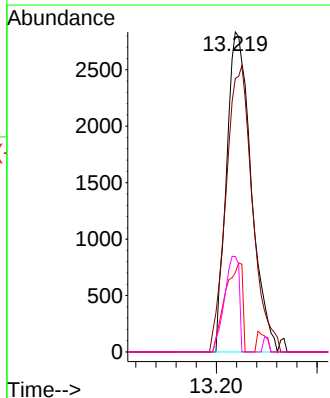
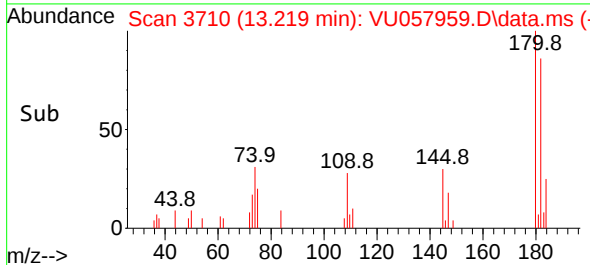
Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024

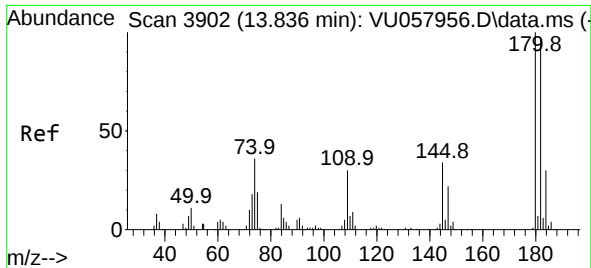


#69
1,3,5-Trichlorobenzene
Concen: 1.758 ug/L m
RT: 13.219 min Scan# 3710
Delta R.T. 0.003 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27



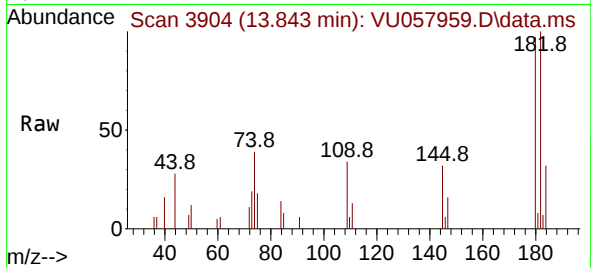
Tgt Ion:180 Resp: 4822
Ion Ratio Lower Upper
180 100
182 78.9 77.6 116.4
184 24.3 24.1 36.1
145 22.3 25.7 38.5#





#70
1,2,4-trichlorobenzene
Concen: 1.755 ug/L
RT: 13.843 min Scan# 3904
Delta R.T. 0.006 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

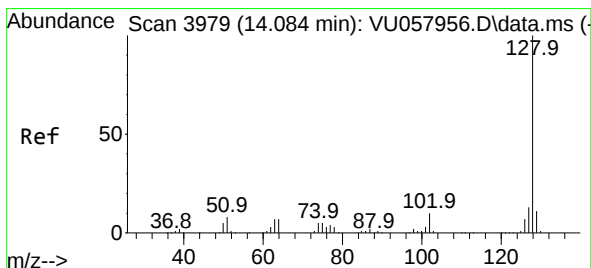
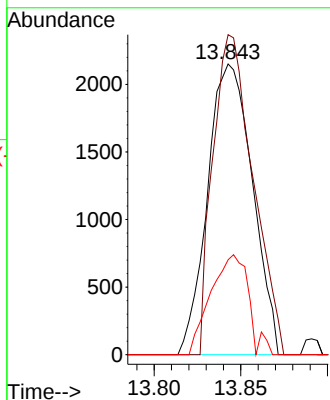
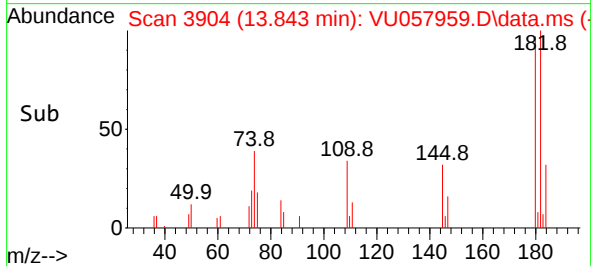
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion:180 Resp: 3874
Ion Ratio Lower Upper
180 100
182 98.2 75.8 113.6
145 27.7 25.9 38.9

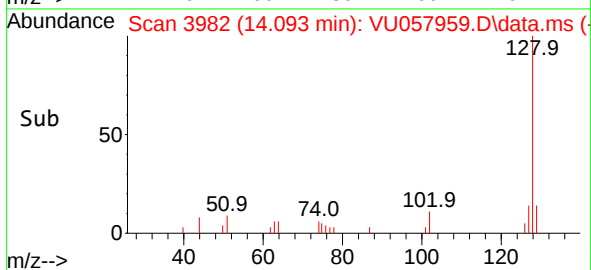
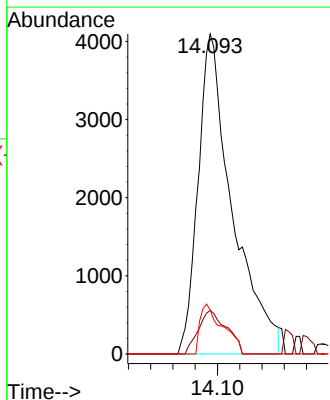
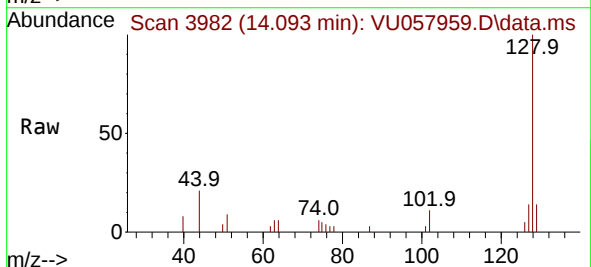
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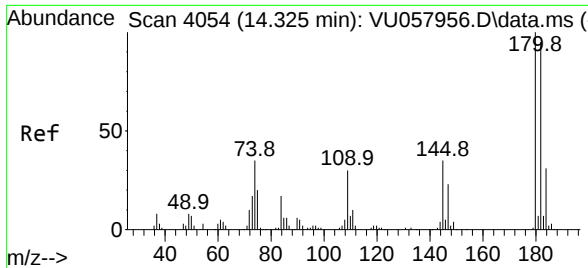
Reviewed By :Mahesh Dadoda 02/29/2024
Supervised By :Semsettin Yesilyurt 02/29/2024



#71
Naphthalene
Concen: 1.489 ug/L
RT: 14.093 min Scan# 3982
Delta R.T. 0.010 min
Lab File: VU057959.D
Acq: 28 Feb 2024 13:27

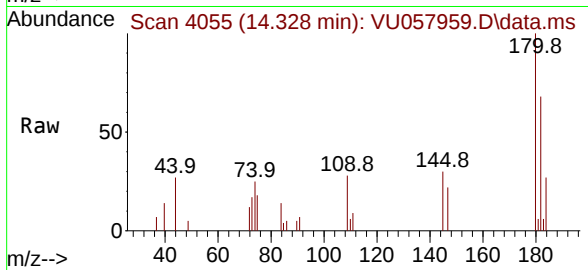
Tgt Ion:128 Resp: 8733
Ion Ratio Lower Upper
128 100
127 11.2 10.2 15.4
129 10.3 8.6 12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 1.955 ug/L
 RT: 14.328 min Scan# 4054
 Delta R.T. 0.003 min
 Lab File: VU057959.D
 Acq: 28 Feb 2024 13:27

Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT1-2024-02



Tgt Ion:180	Resp:	3964
Ion Ratio	Lower	Upper
180	100	
182	86.6	75.4 113.2
145	24.1	27.8 41.8

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/29/2024
 Supervised By :Semsettin Yesilyurt 02/29/2024

