

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
 Data File : VU063444.D
 Acq On : 24 Jun 2025 18:25
 Operator : MD/SY
 Sample : Q2126-07
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025

Quant Time: Jun 25 03:12:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jun 25 03:09:53 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

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

Internal Standards						
1) Fluorobenzene	6.103	96	46683	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	13946	0.814	ug/l	0.00
Spiked Amount 1.000			Recovery	=	81.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13843	0.804	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	5461	0.231	ug/l	100
5) Bromomethane	1.846	94	2707	0.279	ug/l	99
7) Trichlorofluoromethane	2.126	101	4716	0.204	ug/l	91
9) 1,1-Dichloroethene	2.563	96	2924	0.239	ug/l	95
11) Allyl Chloride	2.907	41	5243	0.240	ug/l	96
12) Acrylonitrile	3.309	53	1641	0.463	ug/l #	85
13) Acetone	2.621	43	3547	0.999	ug/l	92
14) Carbon Disulfide	2.776	76	9929	0.232	ug/l	97
15) Methylene Chloride	3.030	84	4245	0.273	ug/l	97
16) trans-1,2-Dichloroethene	3.335	96	3370	0.244	ug/l	92
17) 1,1-Dichloroethane	3.850	63	6928	0.239	ug/l	99
18) 2-Butanone	4.727	43	5664	1.146	ug/l	91
19) Cyclohexane	5.354	56	4508	0.206	ug/l	97
21) 2,2-Dichloropropane	4.647	77	4752	0.231	ug/l #	88
22) cis-1,2-Dichloroethene	4.653	96	3623	0.241	ug/l	91
24) tert-Butyl Alcohol	3.203	59	3491	2.996	ug/l #	87
25) Methyl tert-Butyl Ether	3.364	73	7349	0.220	ug/l #	88
26) Bromochloromethane	4.952	128	1236m	0.211	ug/l	
27) Chloroform	5.071	83	6712	0.247	ug/l	91
28) 1,1,1-Trichloroethane	5.296	97	5141	0.234	ug/l	97
29) 1,1-Dichloropropene	5.505	75	4123	0.205	ug/l	97
31) Isopropyl Ether	3.994	45	9541	0.211	ug/l	87
32) Ethyl-t-butyl ether	4.505	59	8446	0.220	ug/l	100
33) Tert-Amyl methyl ether	5.946	73	5629	0.205	ug/l #	93
34) Propionitrile	4.782	54	1673	1.170	ug/l #	93
35) Benzene	5.759	78	13600	0.224	ug/l	94
36) 1,2-Dichloroethane	5.785	62	3955	0.222	ug/l #	86
37) Trichloroethene	6.534	130	3114	0.217	ug/l	94
38) 1,2-Dichloropropane	6.788	63	3618	0.215	ug/l	93
39) Methacrylonitrile	4.985	41	1499m	0.252	ug/l	
40) Methyl acrylate	4.859	55	2237m	0.268	ug/l	
41) Tetrahydrofuran	5.065	42	1749	0.547	ug/l #	91
42) 1-Chlorobutane	5.441	56	6053m	0.212	ug/l	
44) Bromodichloromethane	7.103	83	4020	0.210	ug/l	96
45) 4-Methyl-2-Pentanone	7.804	43	8638	1.025	ug/l #	89
46) t-1,4-Dichloro-2-butene	10.824	75	1766m	0.638	ug/l	
47) Methyl methacrylate	6.984	69	1791	0.295	ug/l #	84
52) 1,1,2-Trichloroethane	8.396	97	2378	0.207	ug/l	96
53) 1,3-Dichloropropane	8.573	76	4117	0.209	ug/l	96
54) 2-Hexanone	8.701	43	5960	1.054	ug/l	90
55) Dibromochloromethane	8.808	129	2390	0.202	ug/l	100
56) 1,2-Dibromoethane	8.923	107	1977	0.213	ug/l	99
58) Tetrachloroethene	8.541	164	2994	0.212	ug/l #	83

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

59) Chlorobenzene	9.444	112	7300	0.204	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.525	131	2604	0.202	ug/l	95
61) Pentachloroethane	11.418	117	2303	0.220	ug/l	97
62) Hexachloroethane	12.467	117	2075	0.220	ug/l	97
64) m/p-Xylenes	9.689	106	7425	0.332	ug/l	95
67) Bromoform	10.287	173	1354	0.209	ug/l #	97
70) 1,1,2,2-Tetrachloroethane	10.779	83	3494	0.238	ug/l #	89
71) 1,2,3-Trichloropropane	10.817	75	2670m	0.223	ug/l	
80) Nitrobenzene	13.241	77	946	1.415	ug/l #	79
83) 1,4-Dichlorobenzene	11.836	146	6292	0.207	ug/l	94
85) 1,2-Dichlorobenzene	12.206	146	5725	0.204	ug/l	93
86) 1,2-Dibromo-3-Chloropr...	12.994	75	466	0.231	ug/l #	79
87) 1,2,4-Trichlorobenzene	13.843	180	4233	0.270	ug/l	93
88) Hexachlorobutadiene	14.013	225	2693	0.243	ug/l	91
89) Naphthalene	14.090	128	9235	0.354	ug/l #	95
90) 1,2,3-Trichlorobenzene	14.328	180	4388	0.282	ug/l	95

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

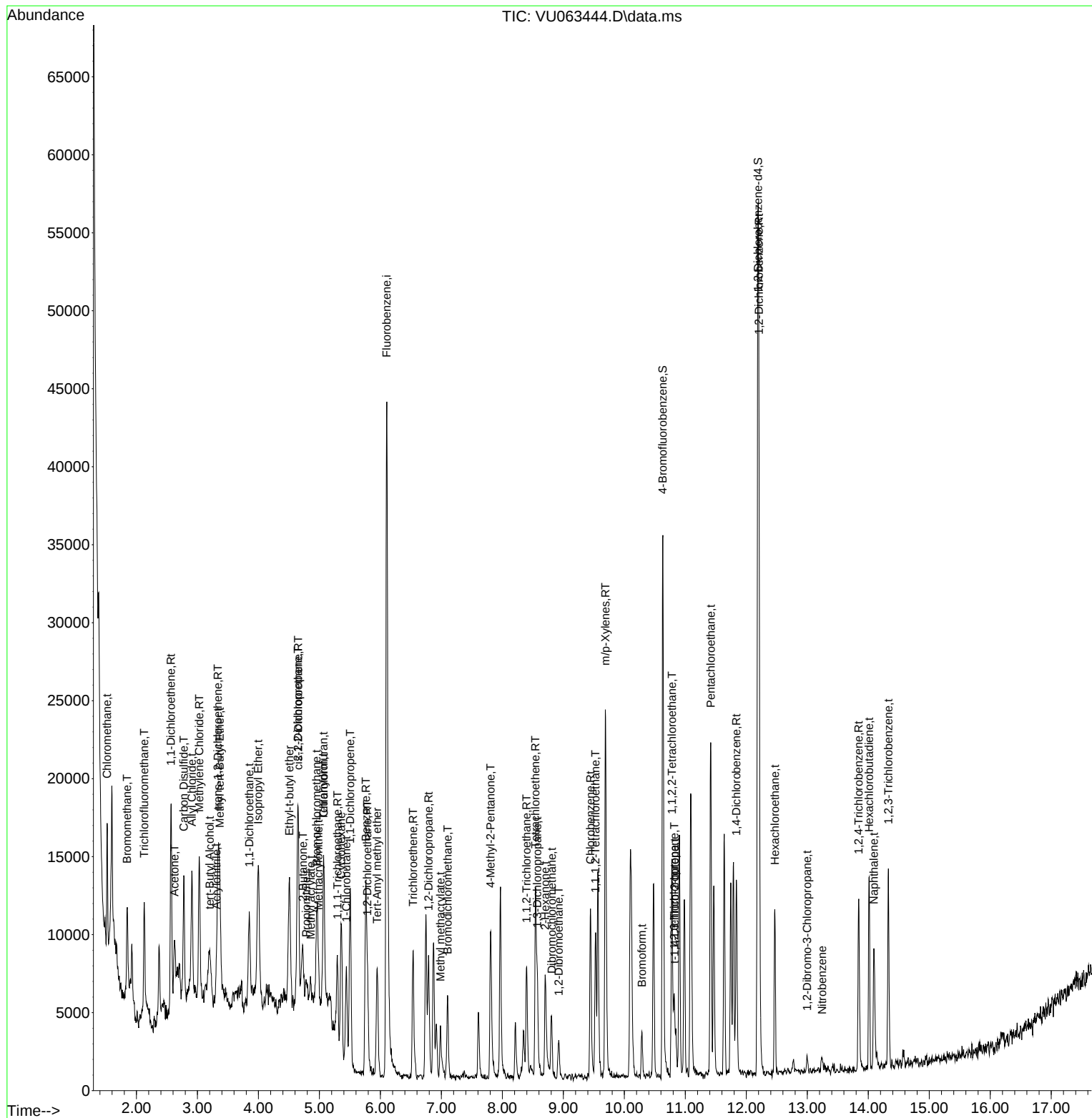
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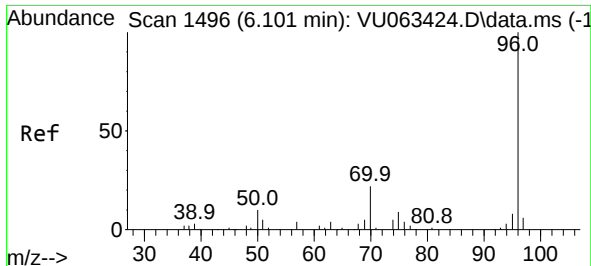
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025

Quant Time: Jun 25 03:12:42 2025
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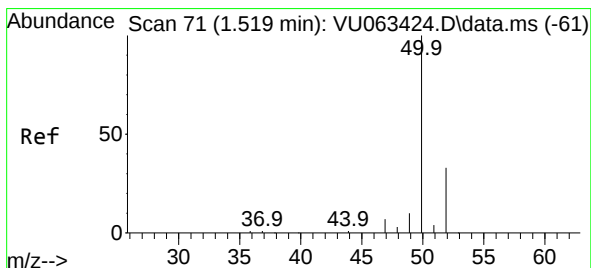
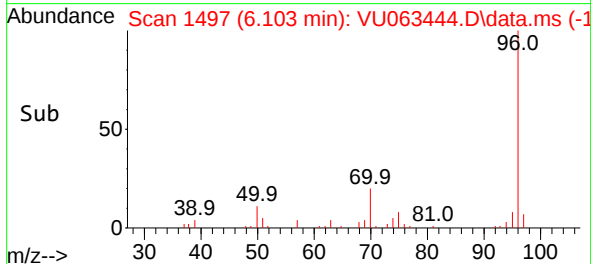
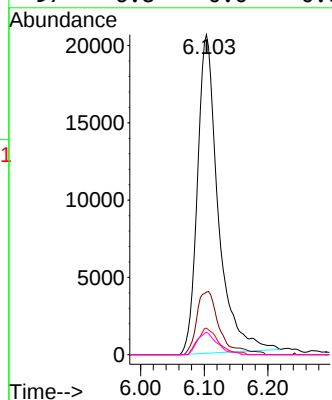
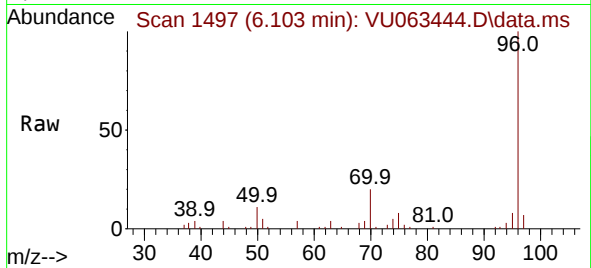
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.103 min Scan# 1496
Delta R.T. 0.002 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 96 Resp: 4668
Ion Ratio Lower Upper
96 100
70 21.8 16.4 24.6
95 7.6 6.2 9.2
97 6.8 0.0 0.0#

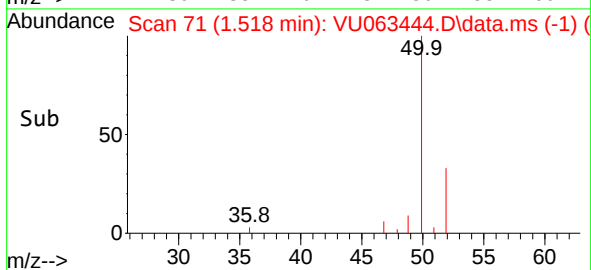
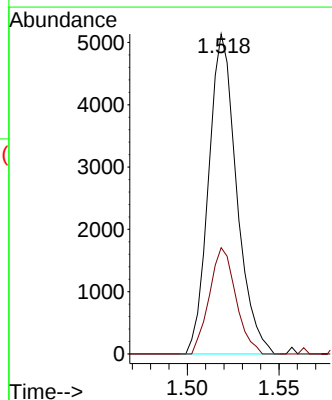
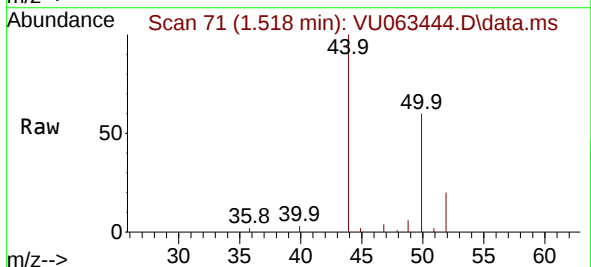
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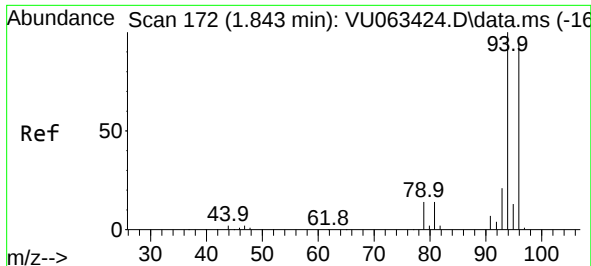
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#3
Chloromethane
Concen: 0.231 ug/l
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

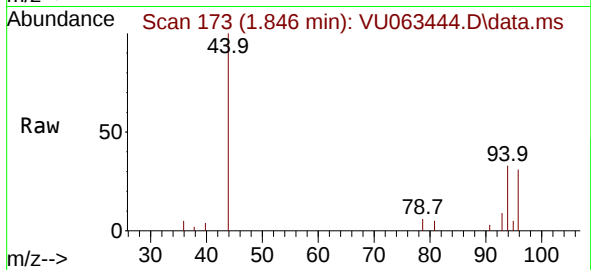
Tgt Ion: 50 Resp: 5461
Ion Ratio Lower Upper
50 100
52 33.2 26.6 40.0





#5
Bromomethane
Concen: 0.279 ug/l
RT: 1.846 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

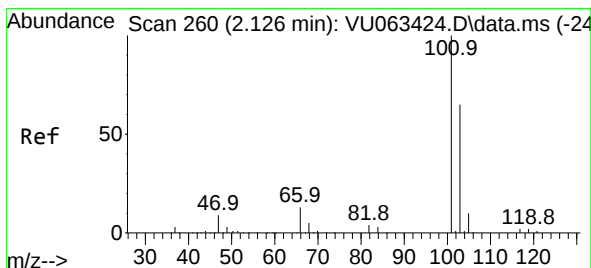
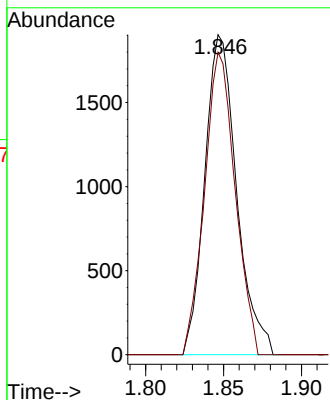
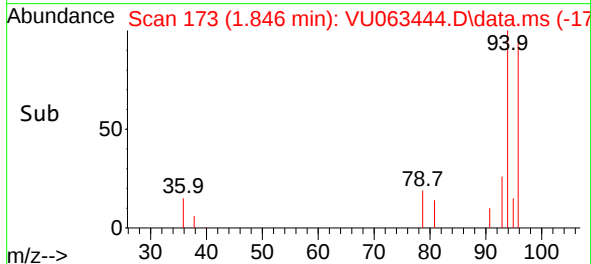
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 94 Resp: 270
Ion Ratio Lower Upper
94 100
96 94.5 74.8 112.2

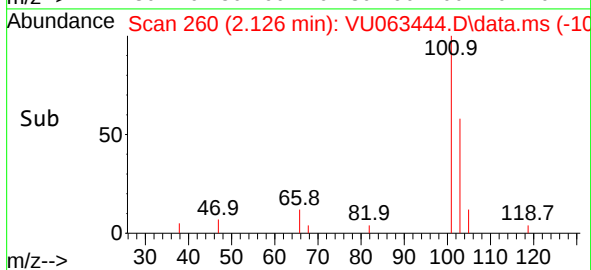
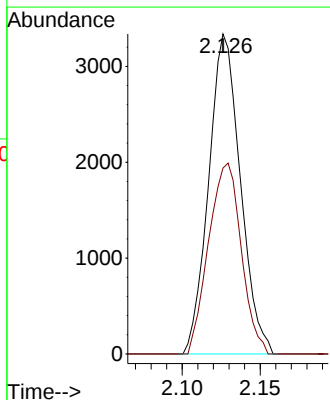
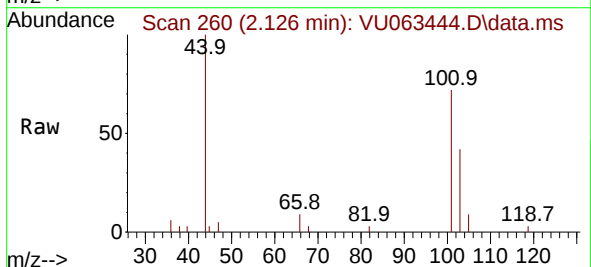
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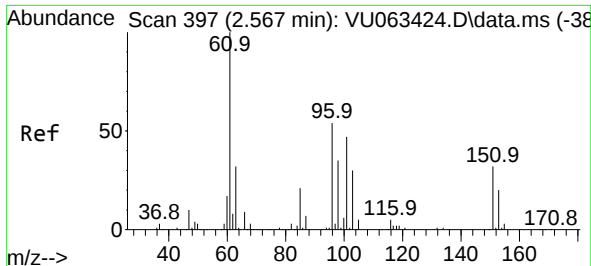
Reviewed By :Mahesh Dadoda 06/25/2025
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#7
Trichlorofluoromethane
Concen: 0.204 ug/l
RT: 2.126 min Scan# 260
Delta R.T. -0.000 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

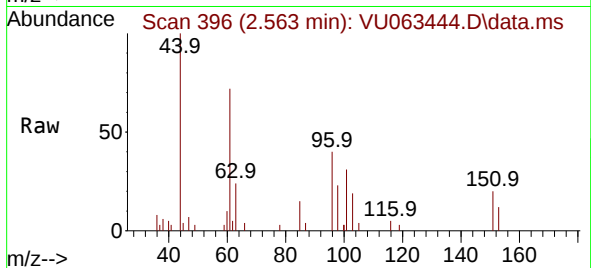
Tgt Ion:101 Resp: 4716
Ion Ratio Lower Upper
101 100
103 58.1 52.3 78.5





#9
1,1-Dichloroethene
Concen: 0.239 ug/l
RT: 2.563 min Scan# 397
Delta R.T. -0.004 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

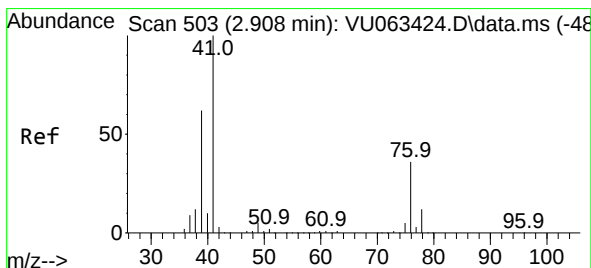
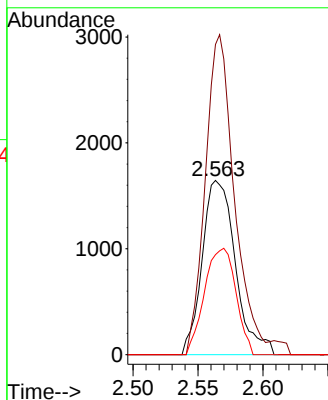
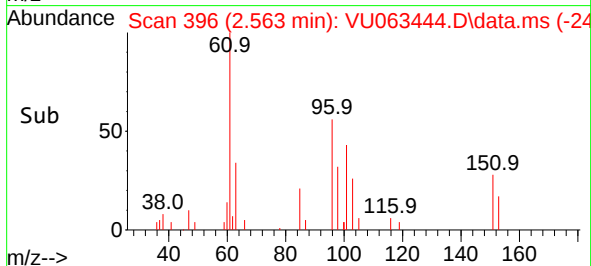
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 96 Resp: 2924
Ion Ratio Lower Upper
96 100
61 178.1 0.0 552.0
98 57.4 0.0 128.4

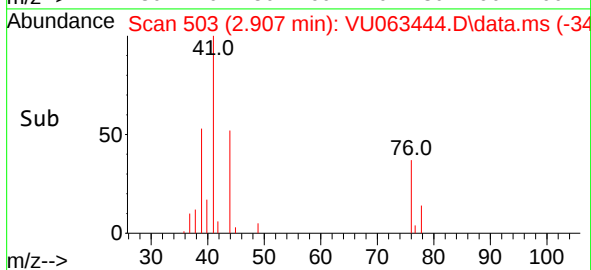
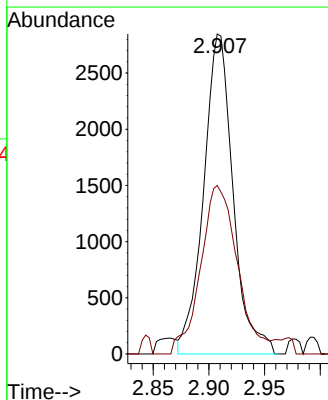
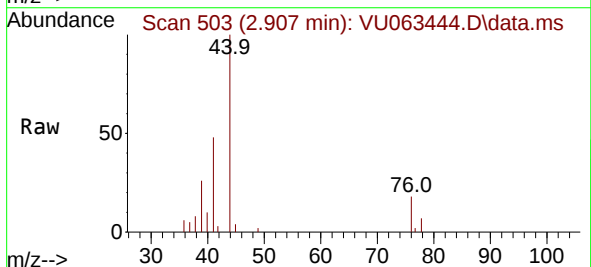
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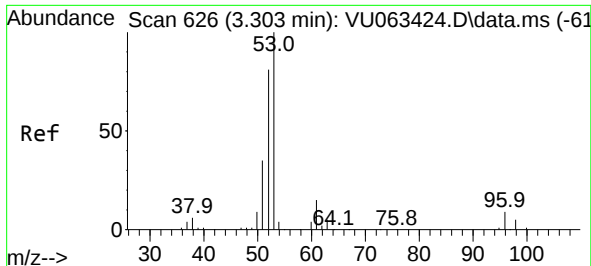
Reviewed By :Mahesh Dadoda 06/25/2025
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#11
Allyl Chloride
Concen: 0.240 ug/l
RT: 2.907 min Scan# 503
Delta R.T. -0.001 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

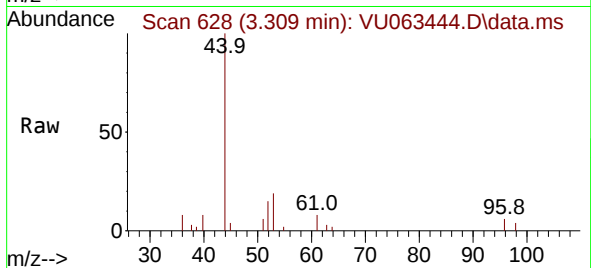
Tgt Ion: 41 Resp: 5243
Ion Ratio Lower Upper
41 100
39 65.7 50.3 75.5





#12
Acrylonitrile
Concen: 0.463 ug/l
RT: 3.309 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

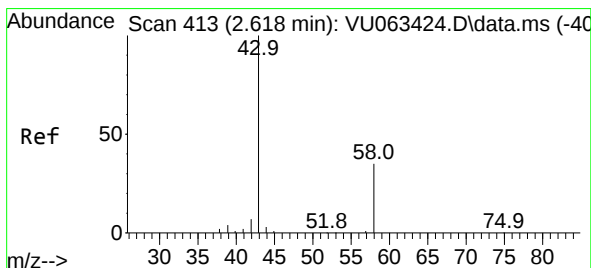
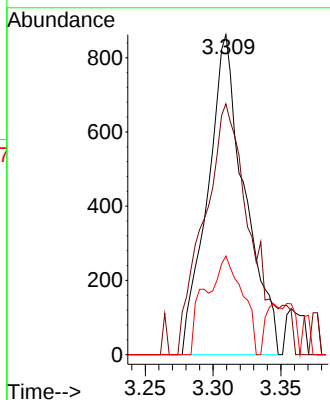
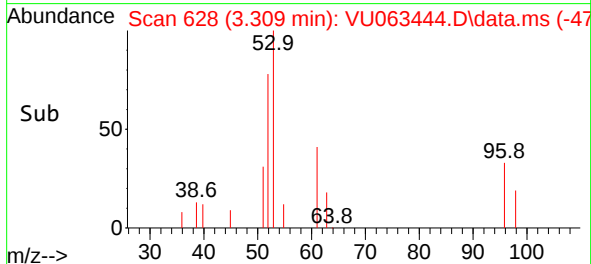
Instrument :
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LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 53 Resp: 164
Ion Ratio Lower Upper
53 100
52 95.9 62.8 94.2
51 30.5 26.2 39.4

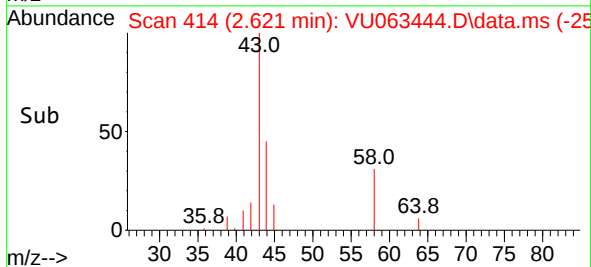
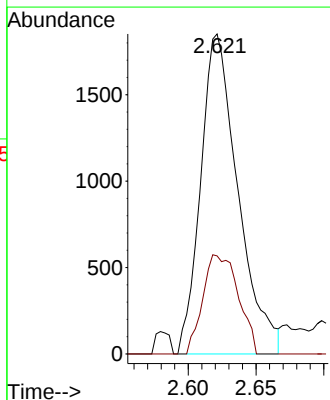
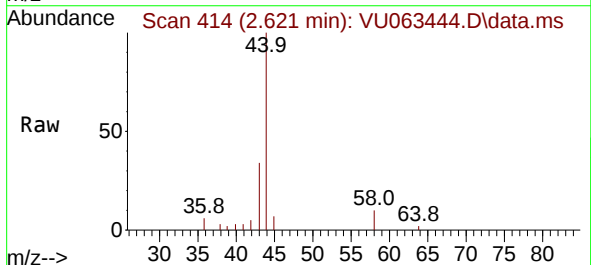
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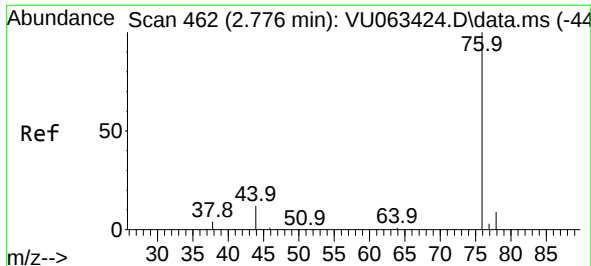
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#13
Acetone
Concen: 0.999 ug/l
RT: 2.621 min Scan# 414
Delta R.T. 0.003 min
Lab File: VU063444.D
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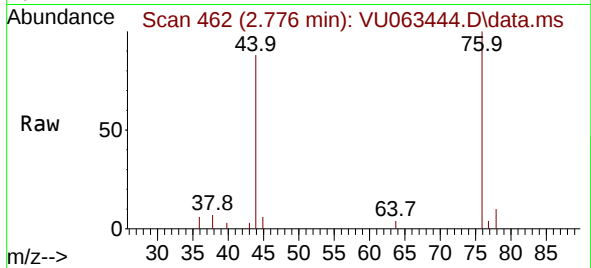
Tgt Ion: 43 Resp: 3547
Ion Ratio Lower Upper
43 100
58 30.6 28.3 42.5





#14
Carbon Disulfide
Concen: 0.232 ug/l
RT: 2.776 min Scan# 462
Delta R.T. -0.000 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

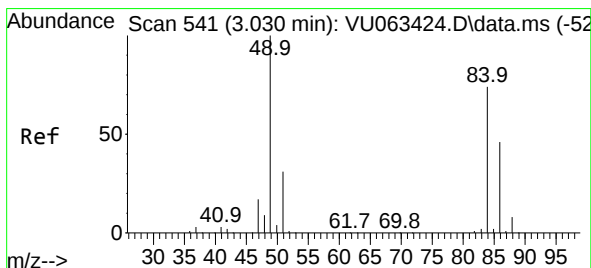
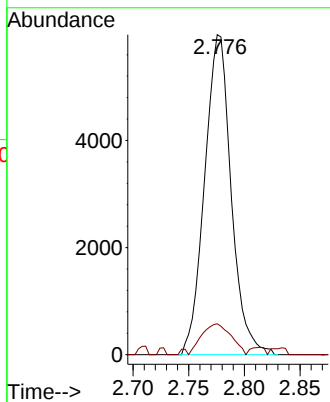
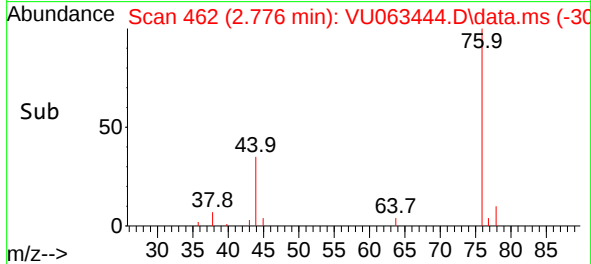
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 76 Resp: 9929
Ion Ratio Lower Upper
76 100
78 9.7 6.9 10.3

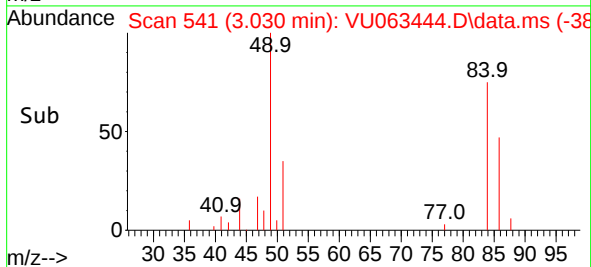
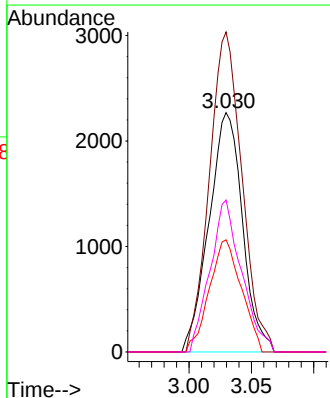
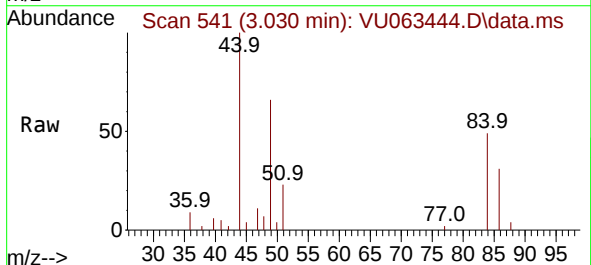
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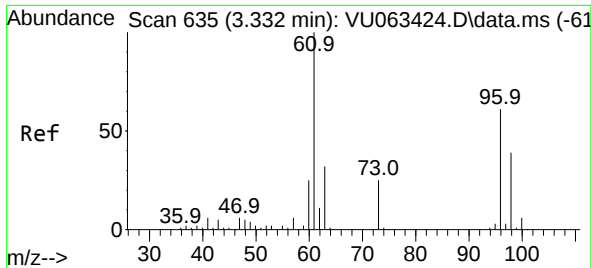
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#15
Methylene Chloride
Concen: 0.273 ug/l
RT: 3.030 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

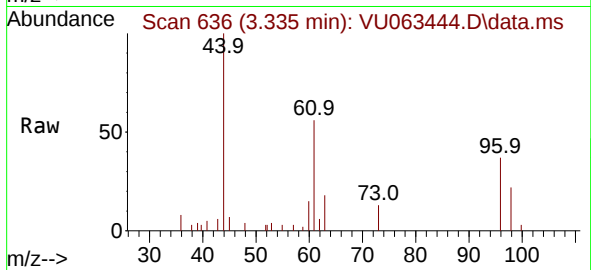
Tgt Ion: 84 Resp: 4245
Ion Ratio Lower Upper
84 100
49 133.7 108.7 163.1
51 46.9 0.0 83.8
86 63.5 50.1 75.1





#16
trans-1,2-Dichloroethene
Concen: 0.244 ug/l
RT: 3.335 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

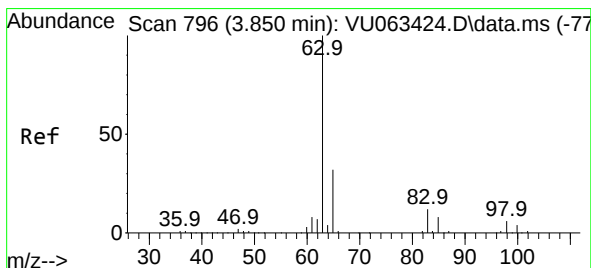
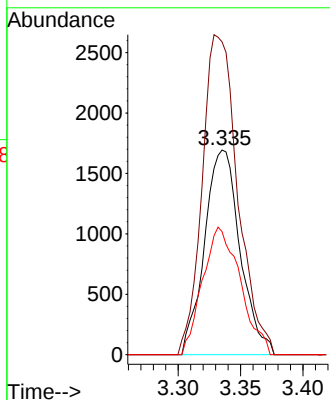
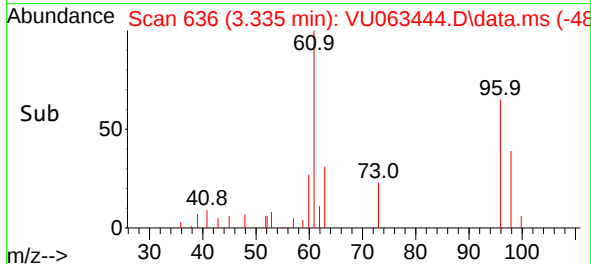
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



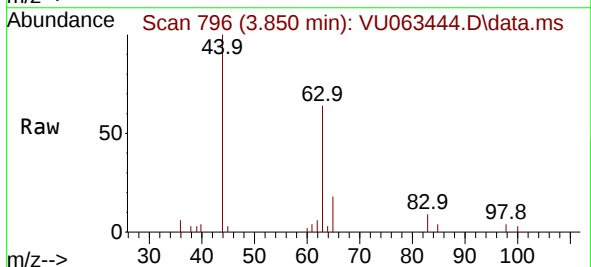
Tgt Ion: 96 Resp: 3370
Ion Ratio Lower Upper
96 100
61 152.8 132.1 198.1
98 60.2 51.0 76.4

Manual Integrations
APPROVED

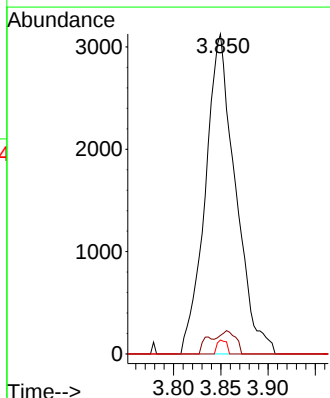
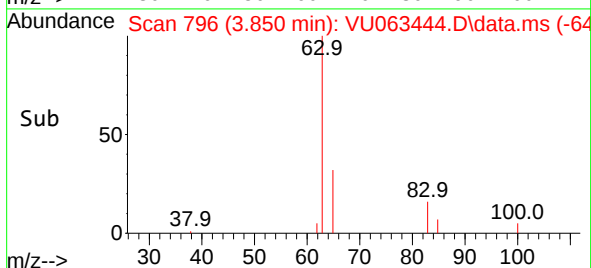
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

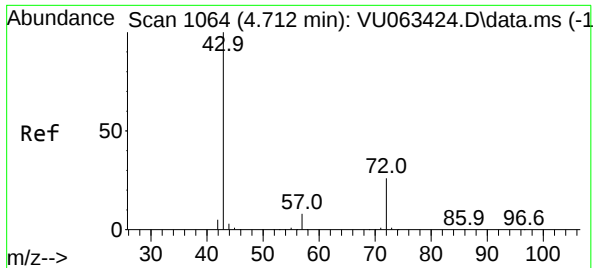


#17
1,1-Dichloroethane
Concen: 0.239 ug/l
RT: 3.850 min Scan# 796
Delta R.T. -0.000 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25



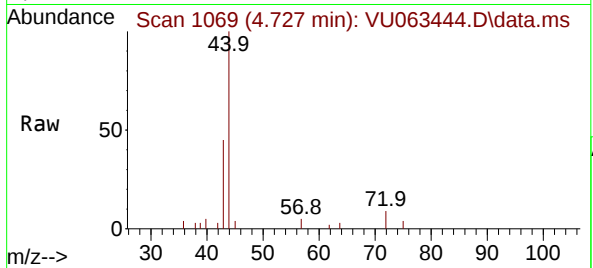
Tgt Ion: 63 Resp: 6928
Ion Ratio Lower Upper
63 100
98 5.8 2.8 8.4
100 4.3 1.9 5.7





#18
2-Butanone
Concen: 1.146 ug/l
RT: 4.727 min Scan# 1069
Delta R.T. 0.016 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

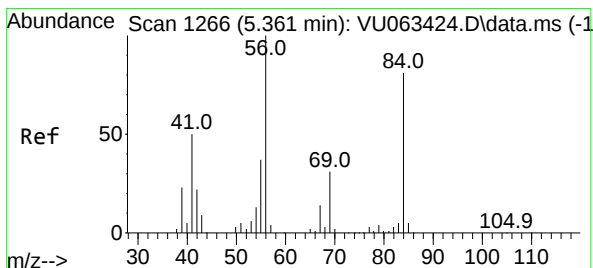
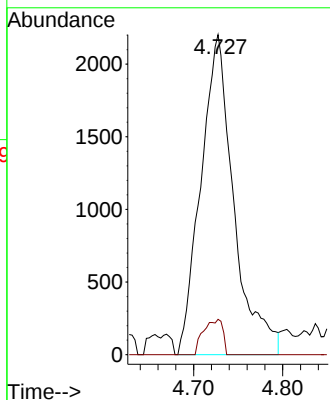
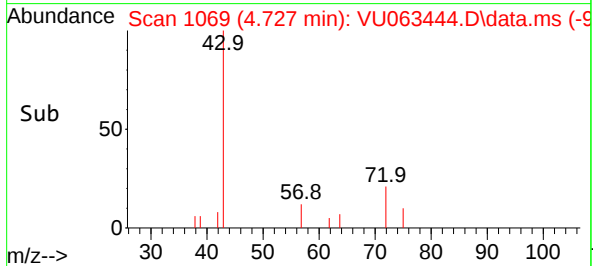
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



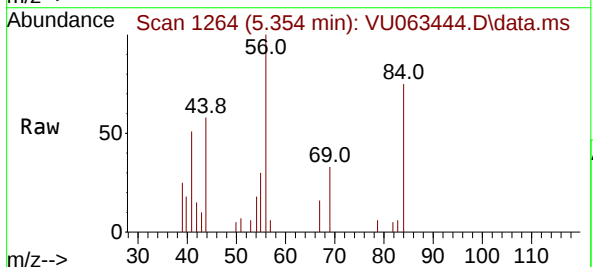
Tgt Ion: 43 Resp: 566
Ion Ratio Lower Upper
43 100
57 11.1 0.0 16.0

Manual Integrations
APPROVED

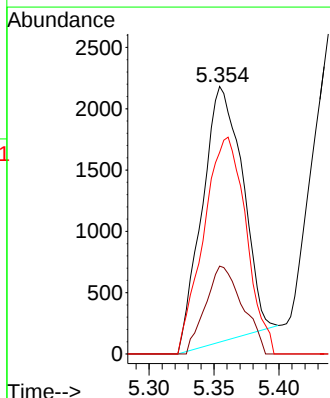
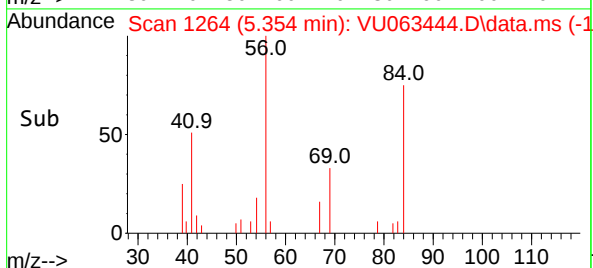
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

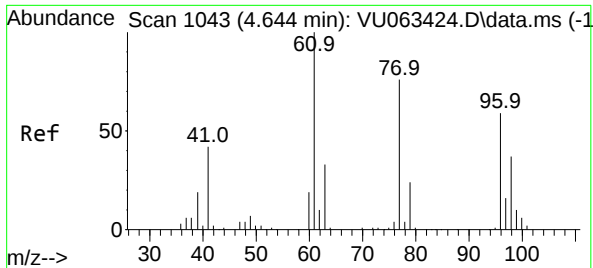


#19
Cyclohexane
Concen: 0.206 ug/l
RT: 5.354 min Scan# 1264
Delta R.T. -0.007 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25



Tgt Ion: 56 Resp: 4508
Ion Ratio Lower Upper
56 100
69 31.5 26.4 39.6
84 89.0 68.6 102.8





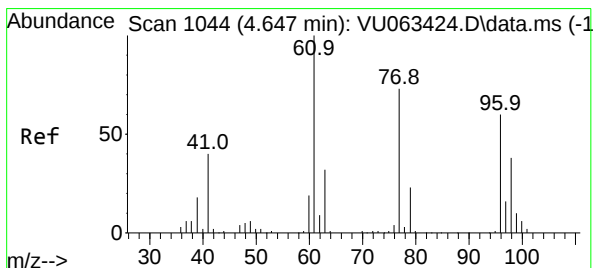
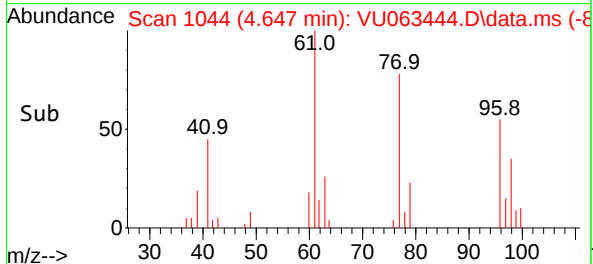
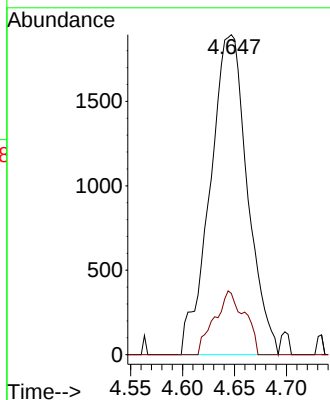
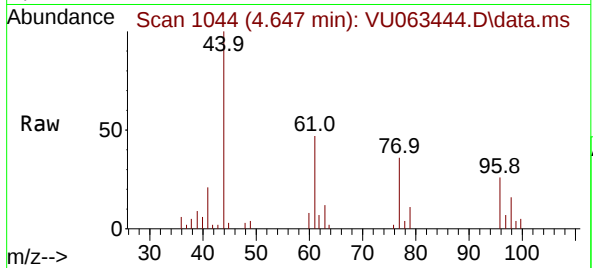
#21
2,2-Dichloropropane
Concen: 0.231 ug/l
RT: 4.647 min Scan# 1043
Delta R.T. 0.003 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 77 Resp: 4752
Ion Ratio Lower Upper
77 100
97 16.0 17.2 25.8

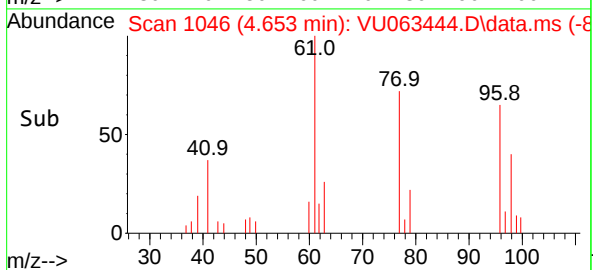
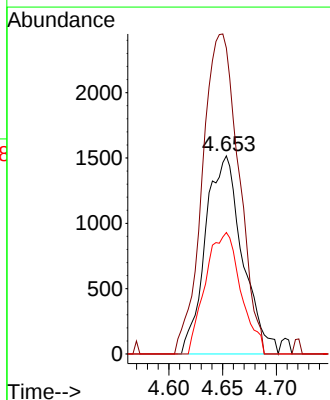
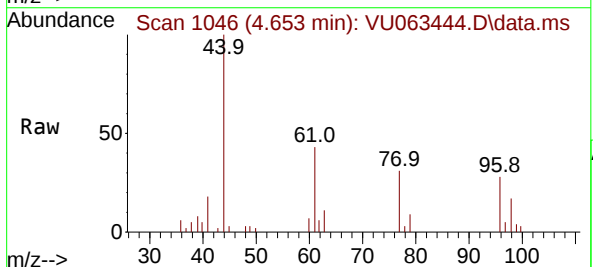
Manual Integrations
APPROVED

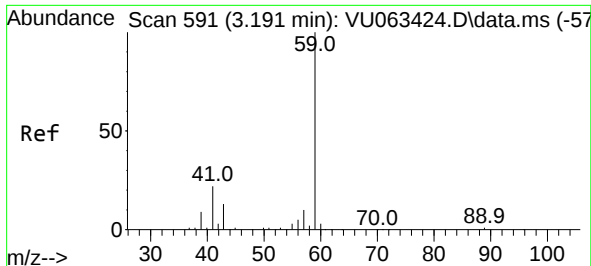
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#22
cis-1,2-Dichloroethene
Concen: 0.241 ug/l
RT: 4.653 min Scan# 1046
Delta R.T. 0.006 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

Tgt Ion: 96 Resp: 3623
Ion Ratio Lower Upper
96 100
61 159.5 0.0 434.3
98 58.7 31.9 95.7





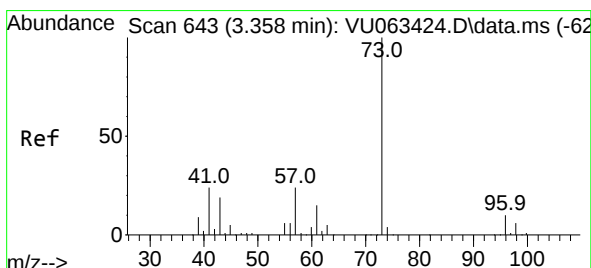
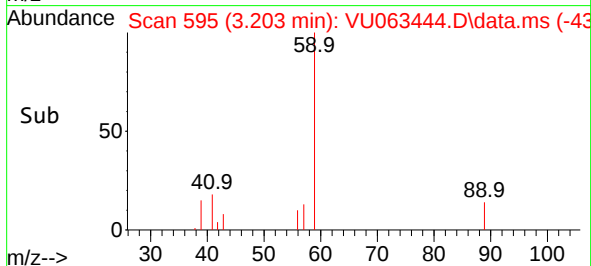
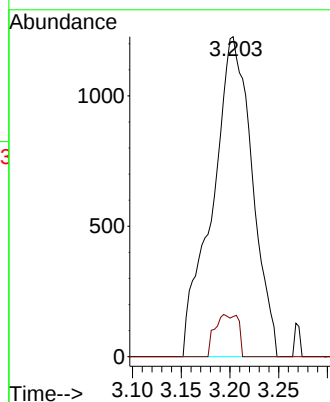
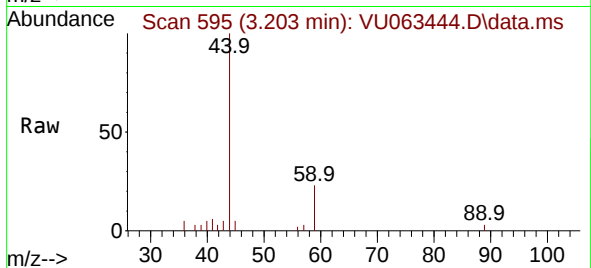
#24
tert-Butyl Alcohol
Concen: 2.996 ug/l
RT: 3.203 min Scan# 591
Delta R.T. 0.013 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 59 Resp: 349
Ion Ratio Lower Upper
59 100
57 5.2 7.8 11.8

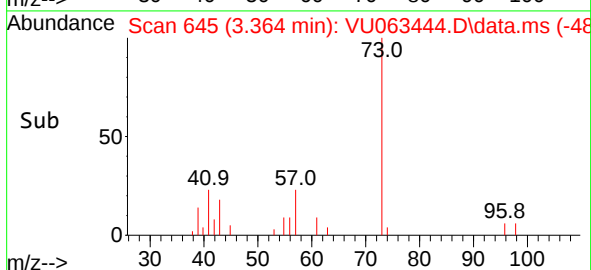
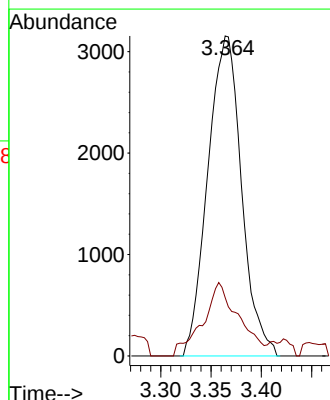
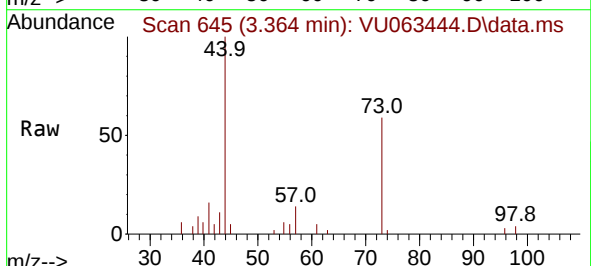
Manual Integrations
APPROVED

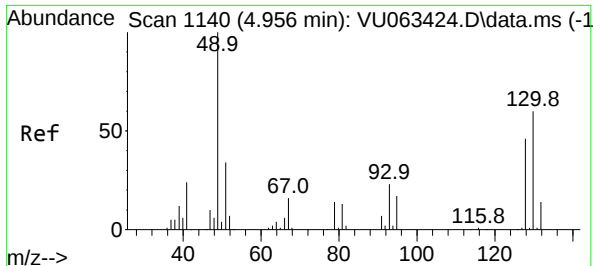
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#25
Methyl tert-Butyl Ether
Concen: 0.220 ug/l
RT: 3.364 min Scan# 645
Delta R.T. 0.006 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

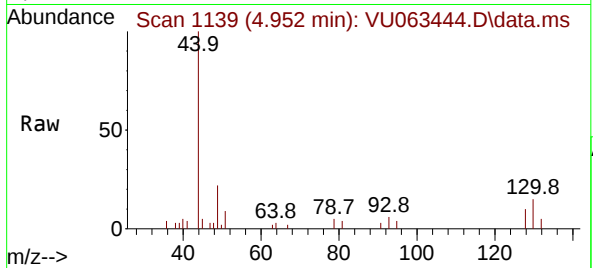
Tgt Ion: 73 Resp: 7349
Ion Ratio Lower Upper
73 100
43 24.4 15.1 22.7





#26
Bromochloromethane
Concen: 0.211 ug/l m
RT: 4.952 min Scan# 1139
Delta R.T. -0.004 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

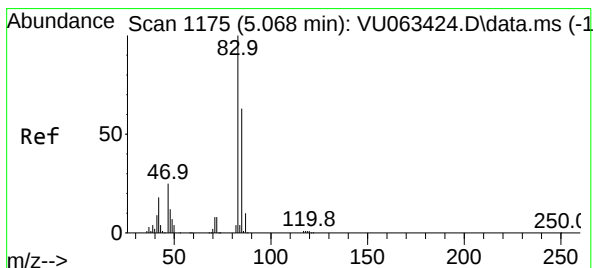
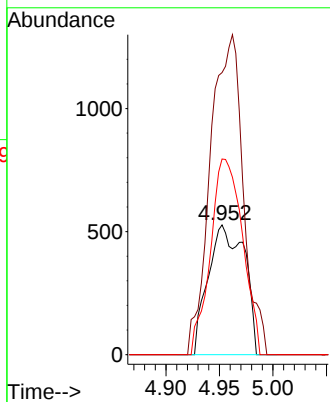
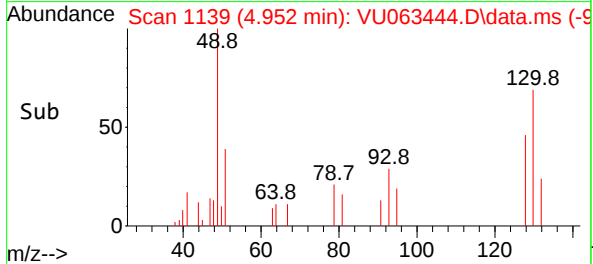
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion:128 Resp: 1230
Ion Ratio Lower Upper
128 100
49 223.4 0.0 441.2
130 134.4 102.3 153.5

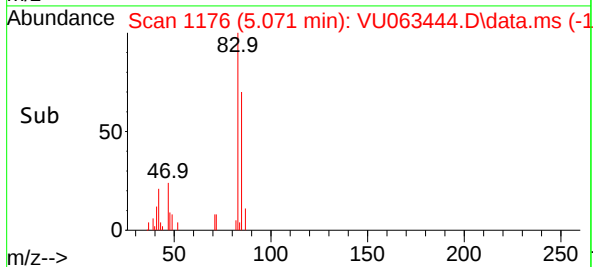
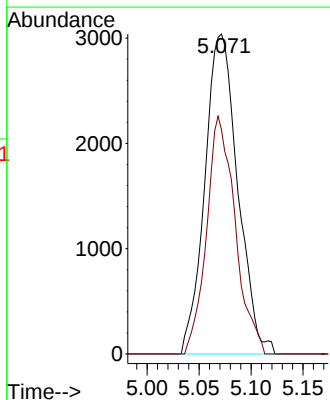
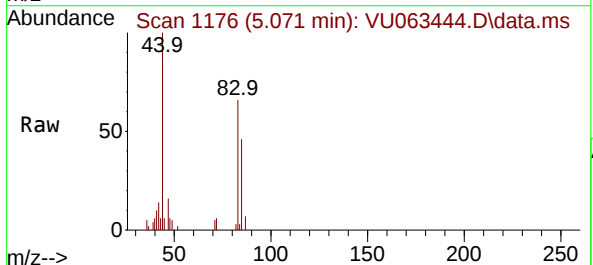
Manual Integrations
APPROVED

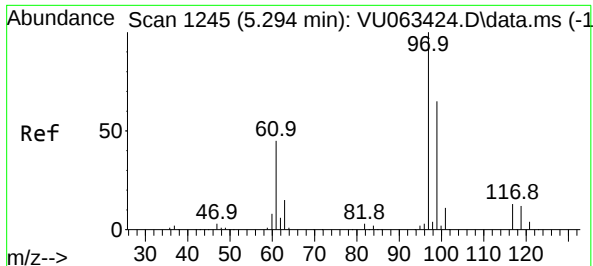
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#27
Chloroform
Concen: 0.247 ug/l
RT: 5.071 min Scan# 1176
Delta R.T. 0.003 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

Tgt Ion: 83 Resp: 6712
Ion Ratio Lower Upper
83 100
85 70.1 0.0 126.8





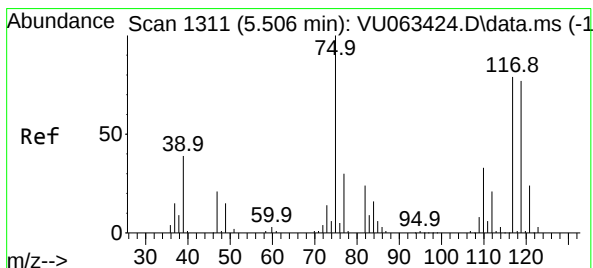
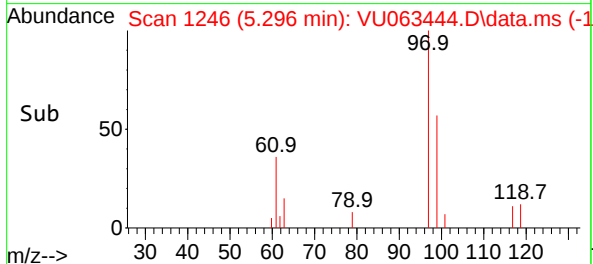
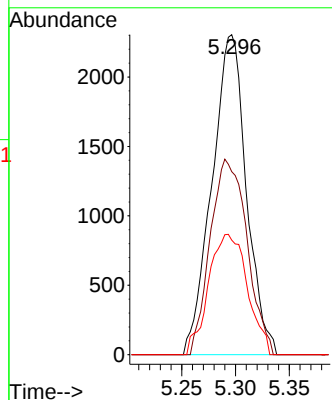
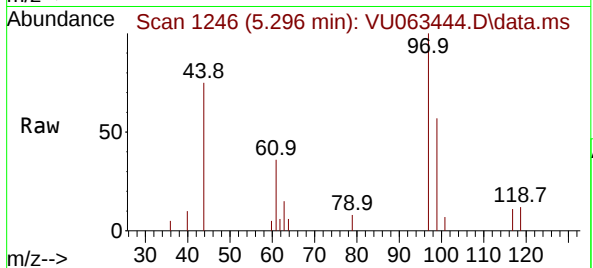
#28
1,1,1-Trichloroethane
Concen: 0.234 ug/l
RT: 5.296 min Scan# 1245
Delta R.T. 0.003 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 97 Resp: 514
Ion Ratio Lower Upper
97 100
99 65.2 31.9 95.5
61 42.3 22.9 68.7

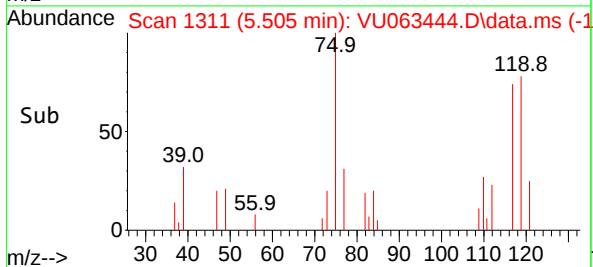
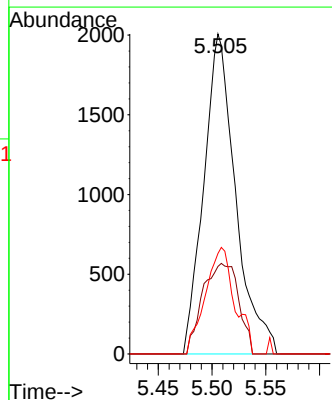
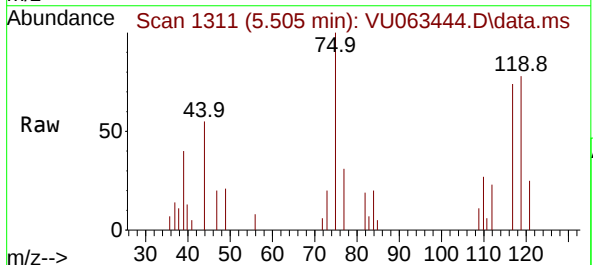
Manual Integrations
APPROVED

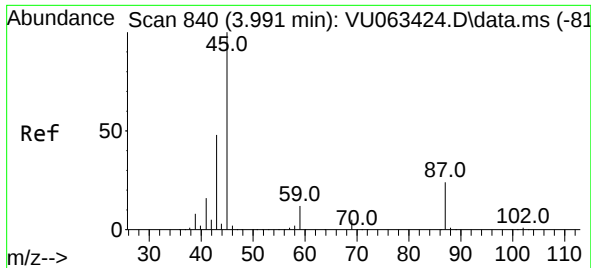
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#29
1,1-Dichloropropene
Concen: 0.205 ug/l
RT: 5.505 min Scan# 1311
Delta R.T. -0.001 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

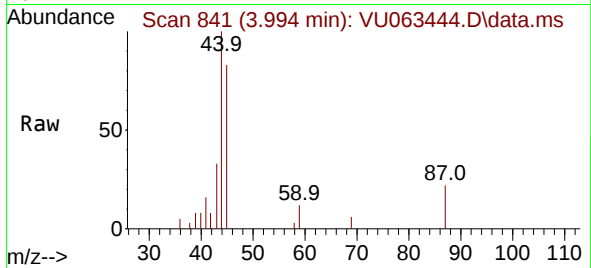
Tgt Ion: 75 Resp: 4123
Ion Ratio Lower Upper
75 100
110 31.9 17.4 52.2
77 30.8 25.4 38.0





#31
Isopropyl Ether
Concen: 0.211 ug/l
RT: 3.994 min Scan# 840
Delta R.T. 0.003 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

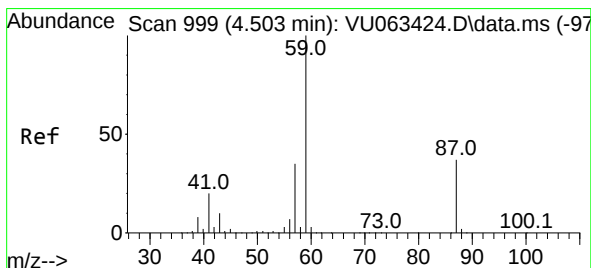
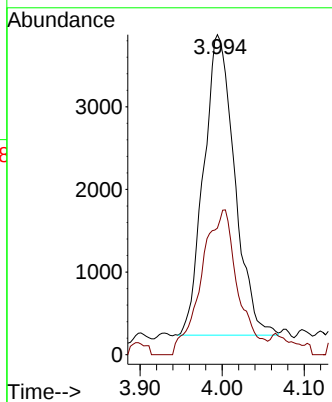
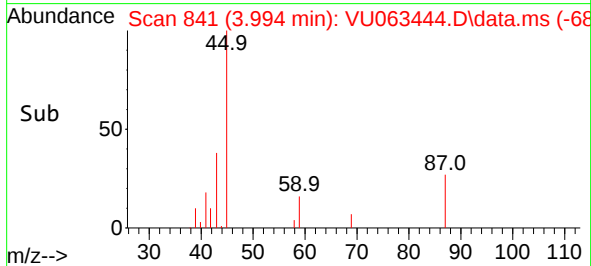
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



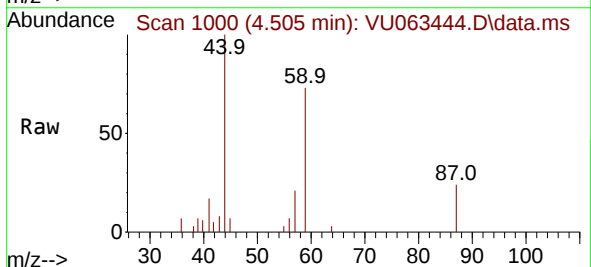
Tgt Ion: 45 Resp: 954
Ion Ratio Lower Upper
45 100
43 56.6 23.8 71.5

Manual Integrations
APPROVED

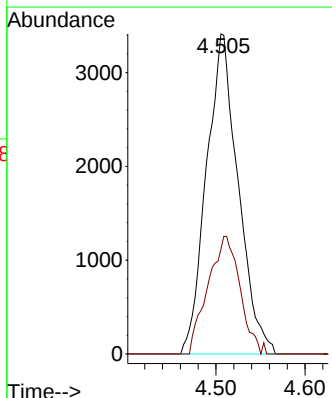
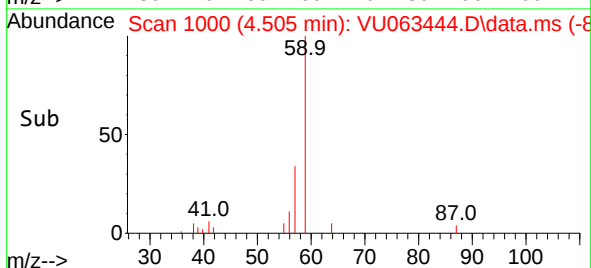
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

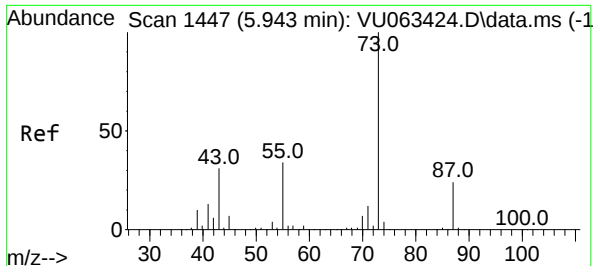


#32
Ethyl-t-butyl ether
Concen: 0.220 ug/l
RT: 4.505 min Scan# 1000
Delta R.T. 0.002 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25



Tgt Ion: 59 Resp: 8446
Ion Ratio Lower Upper
59 100
87 37.2 29.9 44.9





#33

Tert-Amyl methyl ether

Concen: 0.205 ug/l

RT: 5.946 min Scan# 1447

Delta R.T. 0.003 min

Lab File: VU063444.D

Acq: 24 Jun 2025 18:25

Instrument :

MSVOA_U

ClientSampleId :

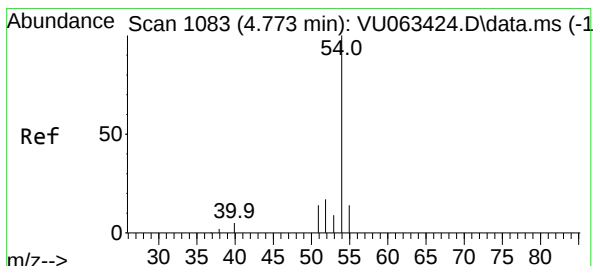
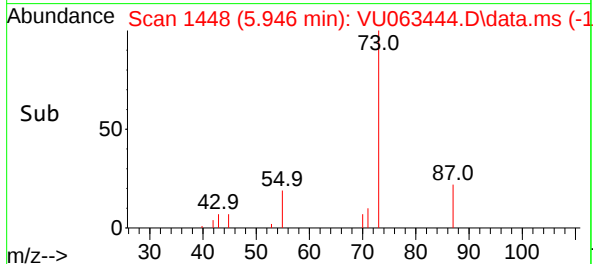
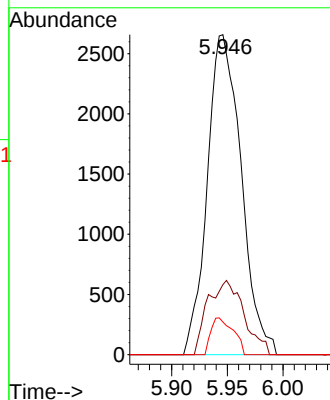
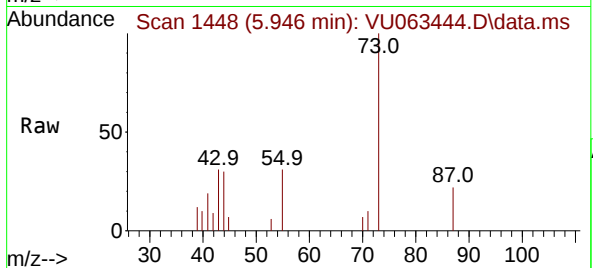
LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 73	Resp: 5629
Ion Ratio	Lower Upper
73 100	
87 24.7	18.1 27.1
71 7.5	10.0 15.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#34

Propionitrile

Concen: 1.170 ug/l

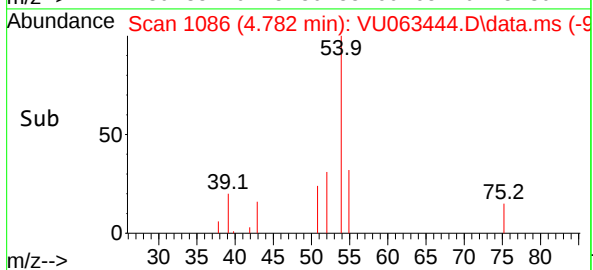
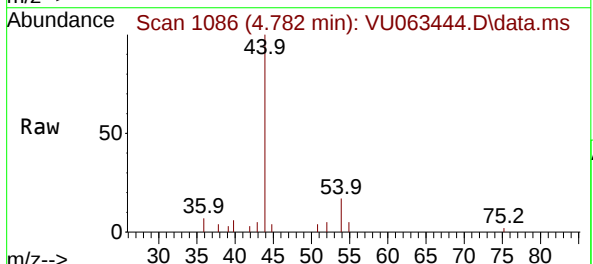
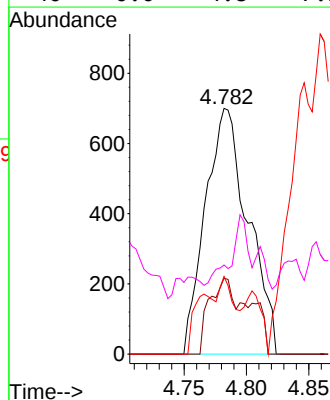
RT: 4.782 min Scan# 1086

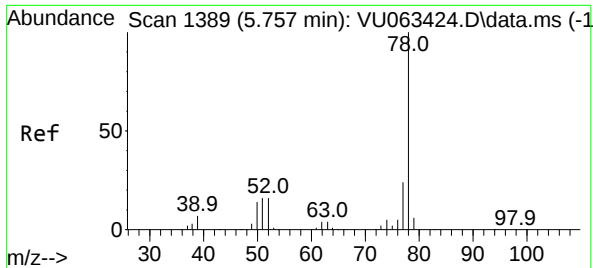
Delta R.T. 0.009 min

Lab File: VU063444.D

Acq: 24 Jun 2025 18:25

Tgt Ion: 54	Resp: 1673
Ion Ratio	Lower Upper
54 100	
52 17.4	14.8 22.2
55 11.6	12.2 18.2#
40 0.0	4.8 7.2#





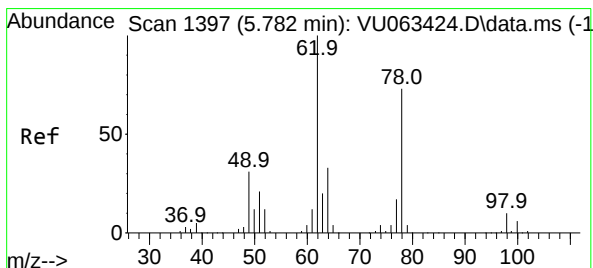
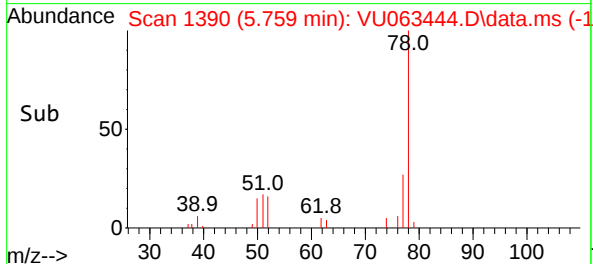
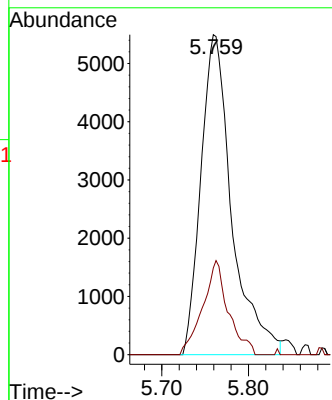
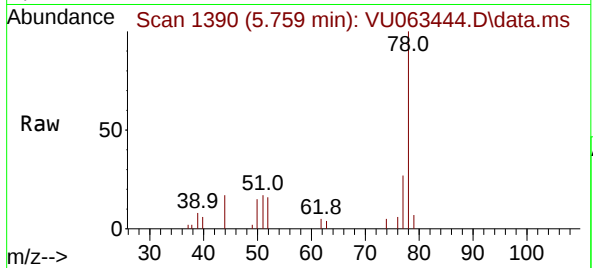
#35
Benzene
Concen: 0.224 ug/l
RT: 5.759 min Scan# 1390
Delta R.T. 0.003 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 78 Resp: 13600
Ion Ratio Lower Upper
78 100
77 27.1 19.4 29.2

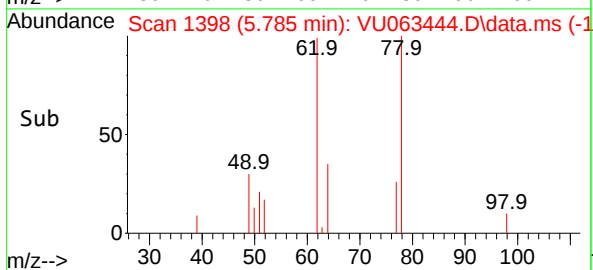
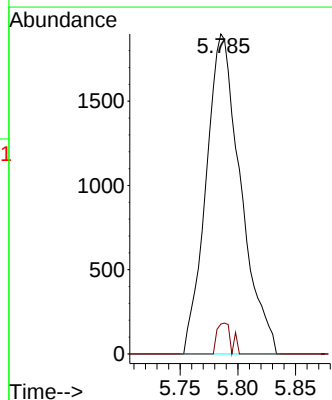
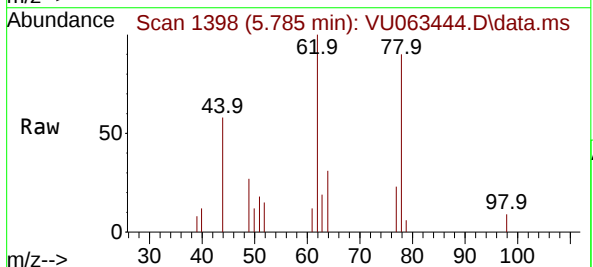
Manual Integrations
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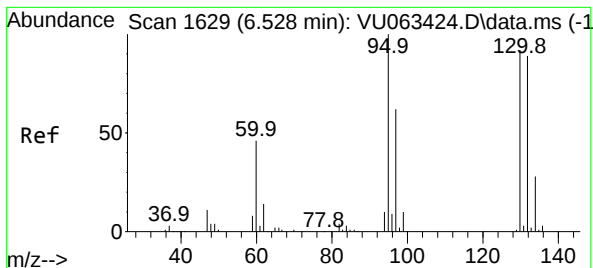
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#36
1,2-Dichloroethane
Concen: 0.222 ug/l
RT: 5.785 min Scan# 1398
Delta R.T. 0.003 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

Tgt Ion: 62 Resp: 3955
Ion Ratio Lower Upper
62 100
98 3.9 7.1 10.7#





#37

Trichloroethene

Concen: 0.217 ug/l

RT: 6.534 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU063444.D

Acq: 24 Jun 2025 18:25

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2025

Tgt Ion:130 Resp: 3114

Ion Ratio Lower Upper

130 100

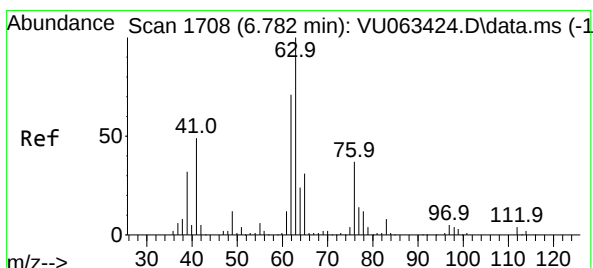
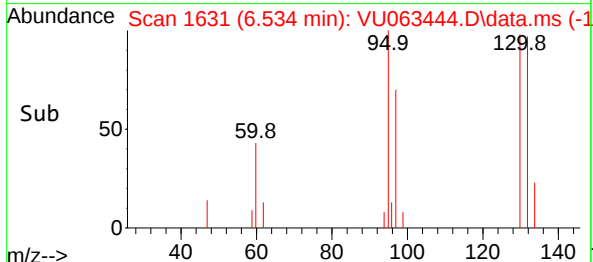
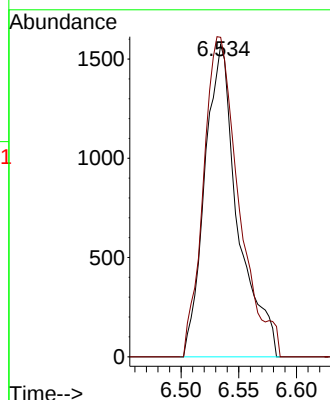
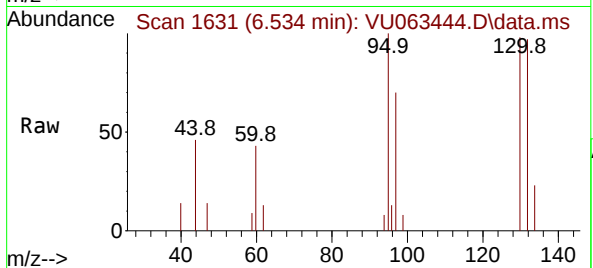
95 102.4 87.2 130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#38

1,2-Dichloropropane

Concen: 0.215 ug/l

RT: 6.788 min Scan# 1710

Delta R.T. 0.006 min

Lab File: VU063444.D

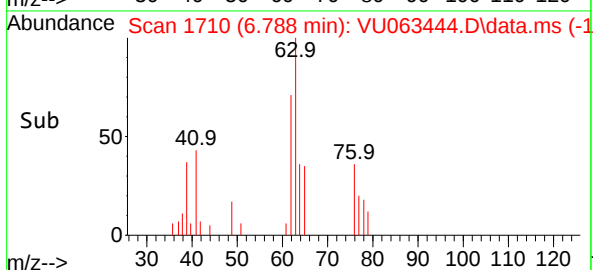
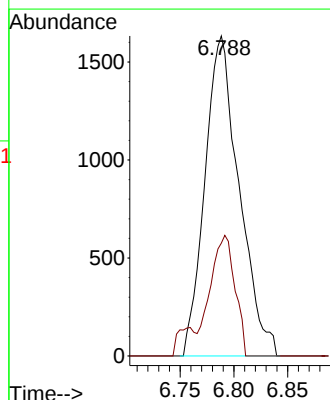
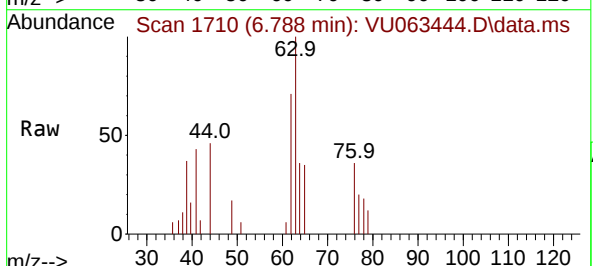
Acq: 24 Jun 2025 18:25

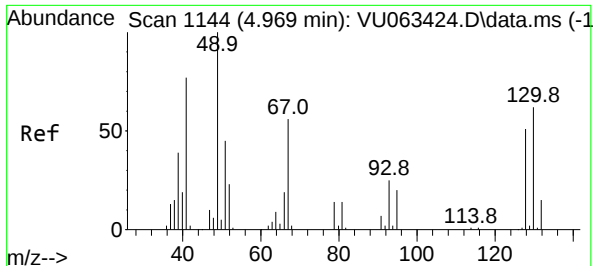
Tgt Ion: 63 Resp: 3618

Ion Ratio Lower Upper

63 100

65 35.3 25.0 37.6





#39

Methacrylonitrile

Concen: 0.252 ug/l m

RT: 4.985 min Scan# 1149

Delta R.T. 0.016 min

Lab File: VU063444.D

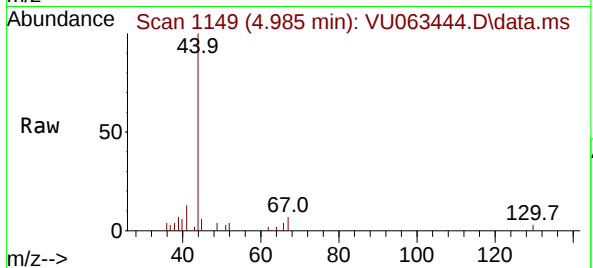
Acq: 24 Jun 2025 18:25

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2025

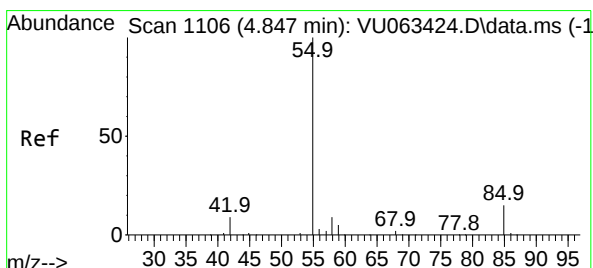
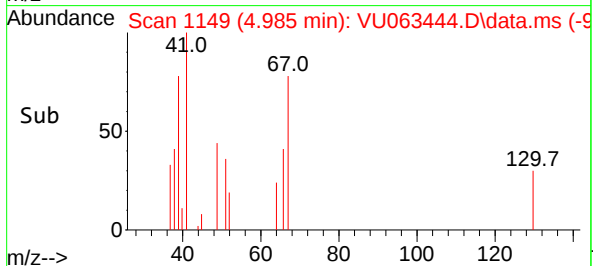
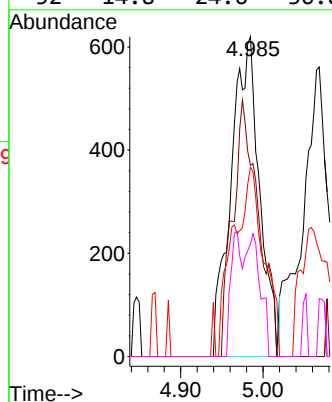


Tgt Ion:	41	Resp:	1499
Ion	Ratio	Lower	Upper
41	100		
67	72.2	59.8	89.8
39	18.2	40.7	61.1
52	14.8	24.6	36.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#40

Methyl acrylate

Concen: 0.268 ug/l m

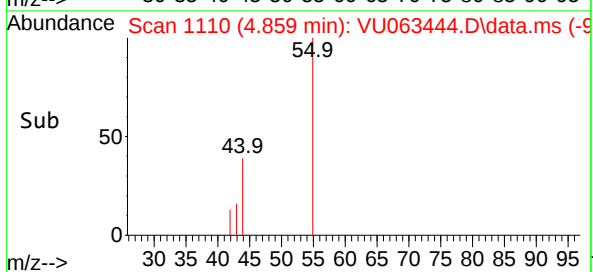
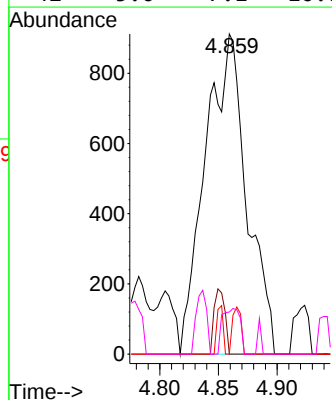
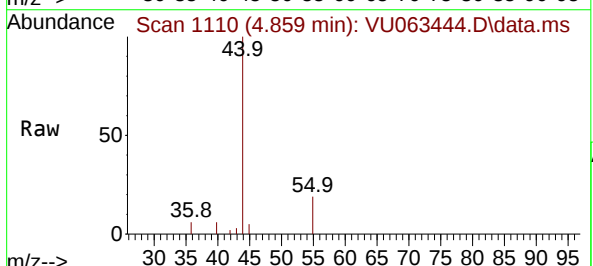
RT: 4.859 min Scan# 1110

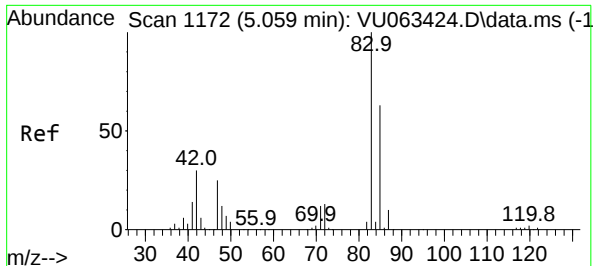
Delta R.T. 0.013 min

Lab File: VU063444.D

Acq: 24 Jun 2025 18:25

Tgt Ion:	55	Resp:	2237
Ion	Ratio	Lower	Upper
55	100		
85	0.0	12.6	19.0#
58	2.3	6.9	10.3#
42	5.0	7.1	10.7#





#41

Tetrahydrofuran

Concen: 0.547 ug/l

RT: 5.065 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VU063444.D

Acq: 24 Jun 2025 18:25

Instrument :

MSVOA_U

ClientSampleId :

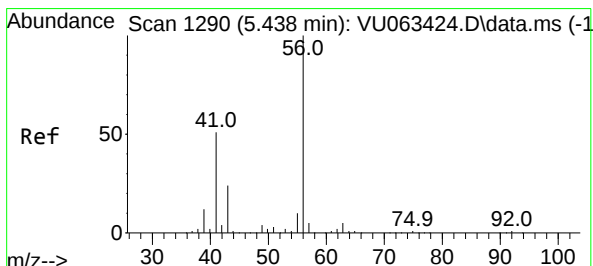
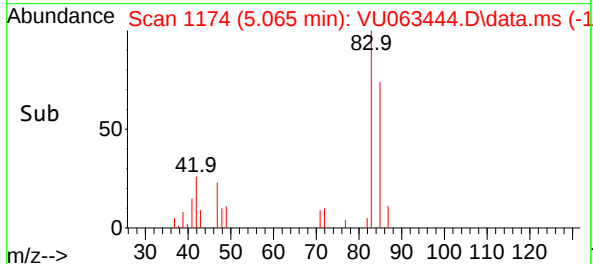
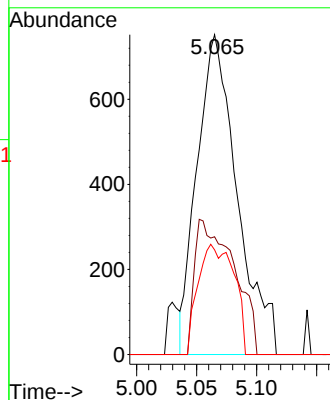
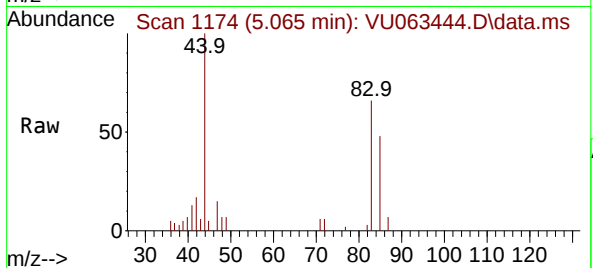
LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 42	Resp: 1749
Ion Ratio	Lower Upper
42	100
72	41.5 35.4 53.2
71	30.8 31.4 47.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#42

1-Chlorobutane

Concen: 0.212 ug/l m

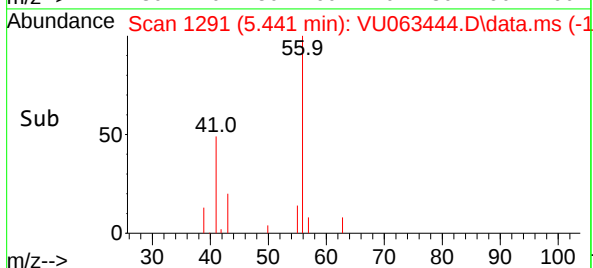
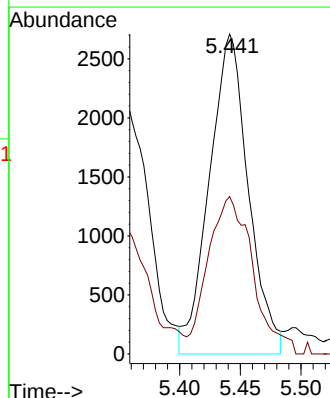
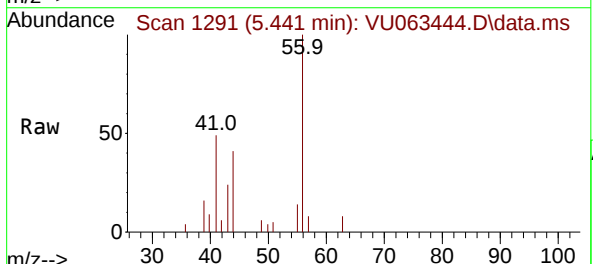
RT: 5.441 min Scan# 1291

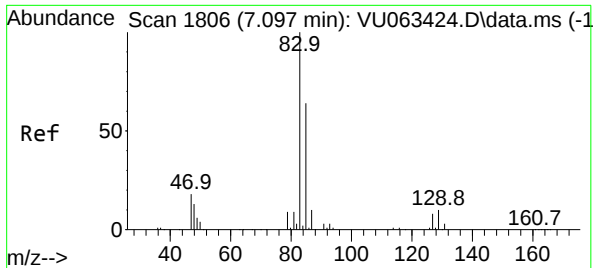
Delta R.T. 0.003 min

Lab File: VU063444.D

Acq: 24 Jun 2025 18:25

Tgt Ion: 56	Resp: 6053
Ion Ratio	Lower Upper
56	100
41	56.4 26.4 79.0





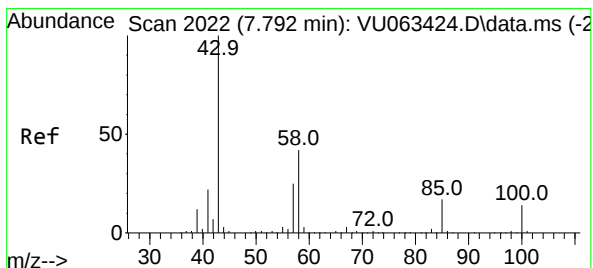
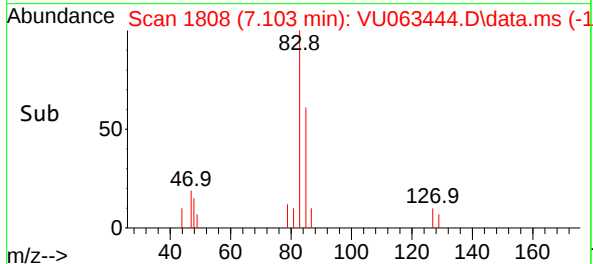
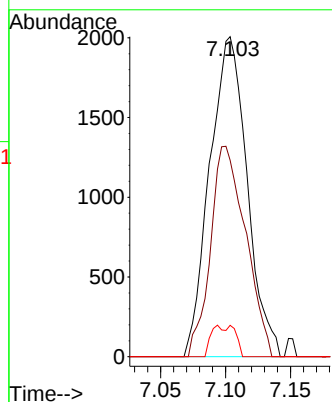
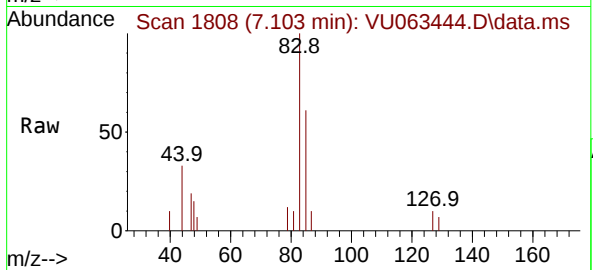
#44
Bromodichloromethane
Concen: 0.210 ug/l
RT: 7.103 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 83 Resp: 4020
Ion Ratio Lower Upper
83 100
85 61.4 51.4 77.2
127 9.8 6.6 10.0

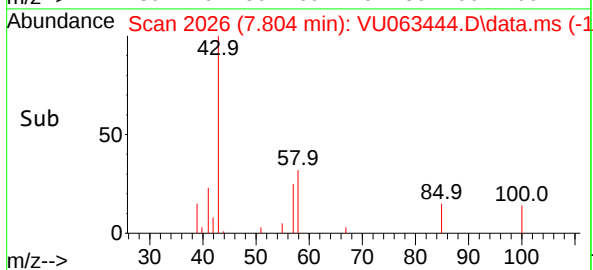
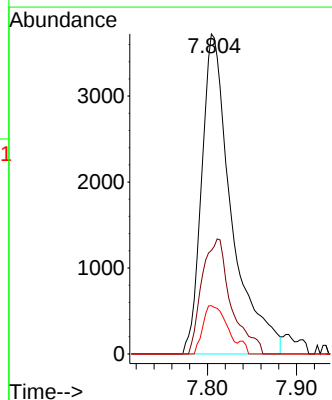
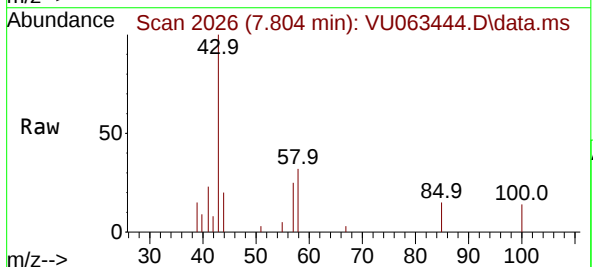
Manual Integrations
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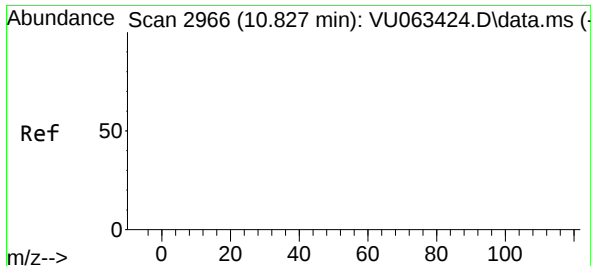
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#45
4-Methyl-2-Pentanone
Concen: 1.025 ug/l
RT: 7.804 min Scan# 2026
Delta R.T. 0.013 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

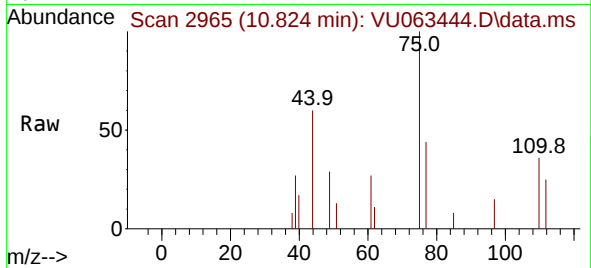
Tgt Ion: 43 Resp: 8638
Ion Ratio Lower Upper
43 100
58 35.1 20.5 61.6
85 11.9 14.2 21.2





#46
t-1,4-Dichloro-2-butene
Concen: 0.638 ug/l m
RT: 10.824 min Scan# 2966
Delta R.T. -0.003 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

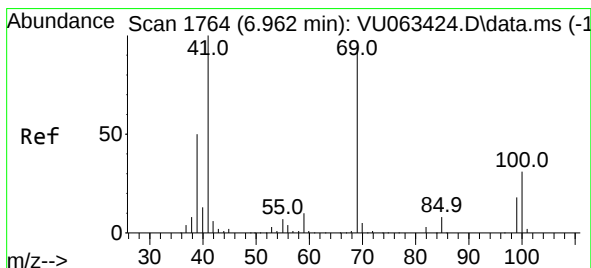
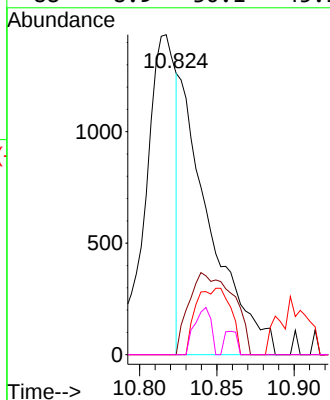
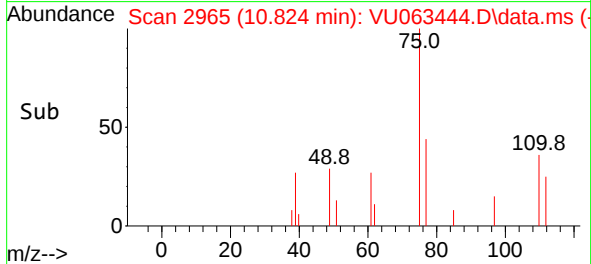
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT2-2025



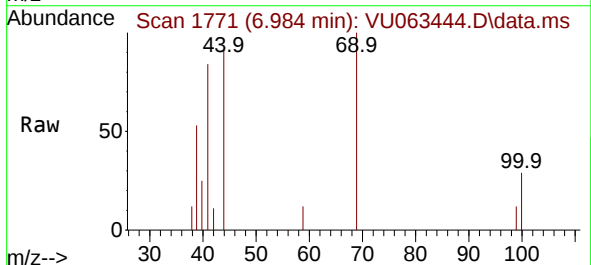
Tgt Ion: 75 Resp: 1760
Ion Ratio Lower Upper
75 100
53 41.5 61.4 92.2
89 26.4 39.2 58.8
88 8.9 30.1 45.1

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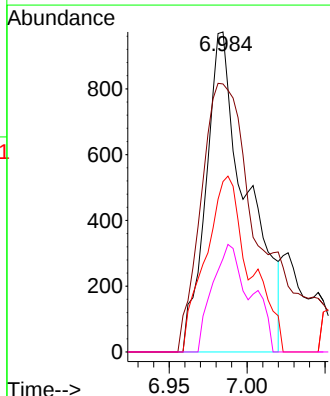
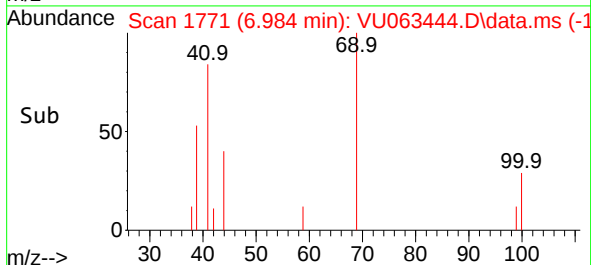
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

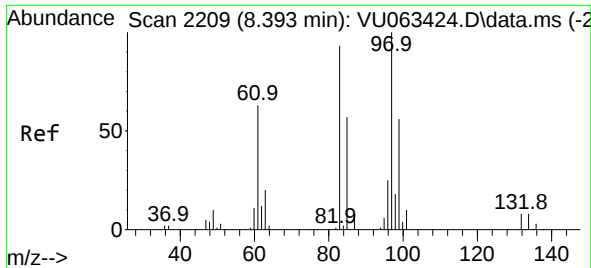


#47
Methyl methacrylate
Concen: 0.295 ug/l
RT: 6.984 min Scan# 1771
Delta R.T. 0.022 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25



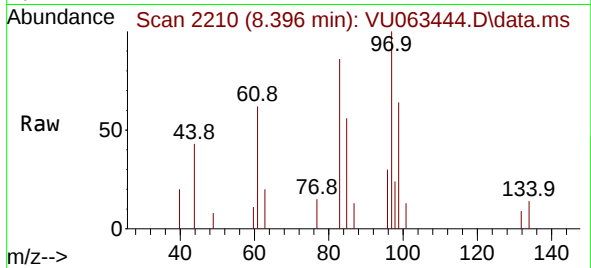
Tgt Ion: 69 Resp: 1791
Ion Ratio Lower Upper
69 100
41 124.6 0.0 212.6
39 59.1 40.6 61.0
100 24.2 26.8 40.2





#52
1,1,2-Trichloroethane
Concen: 0.207 ug/l
RT: 8.396 min Scan# 210
Delta R.T. 0.003 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

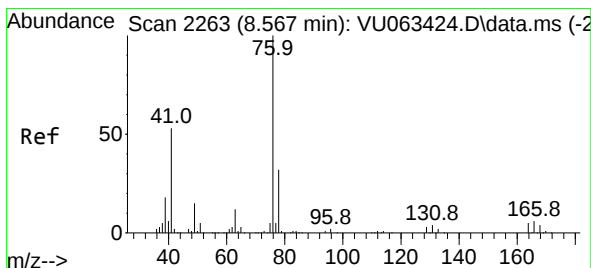
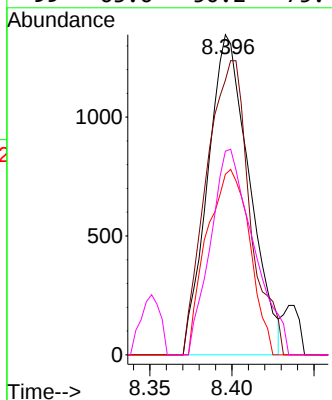
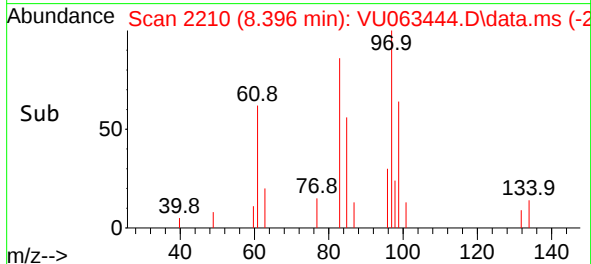
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 97 Resp: 2378
Ion Ratio Lower Upper
97 100
83 85.8 74.1 111.1
85 56.4 45.8 68.8
99 63.6 50.2 75.4

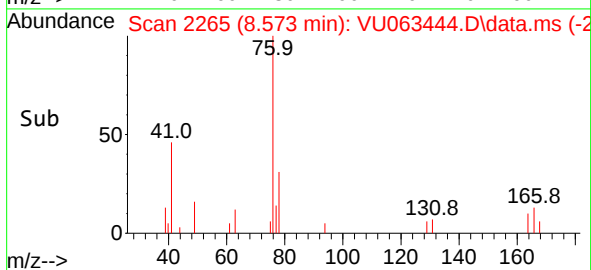
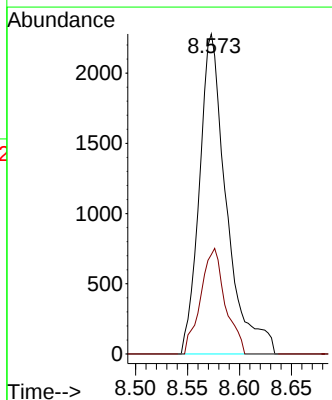
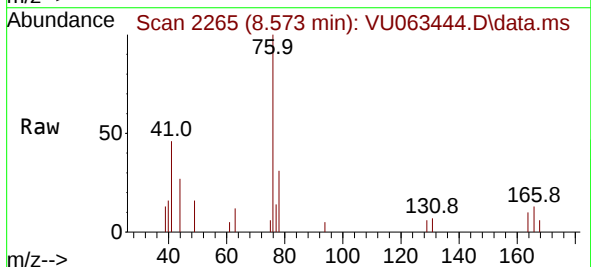
Manual Integrations
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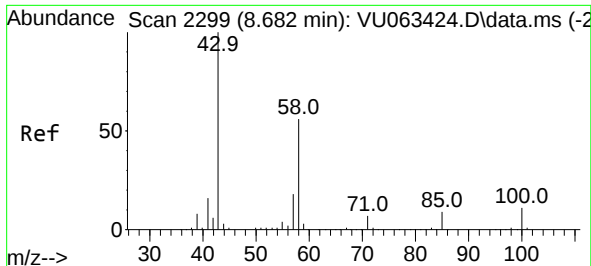
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#53
1,3-Dichloropropane
Concen: 0.209 ug/l
RT: 8.573 min Scan# 2265
Delta R.T. 0.006 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

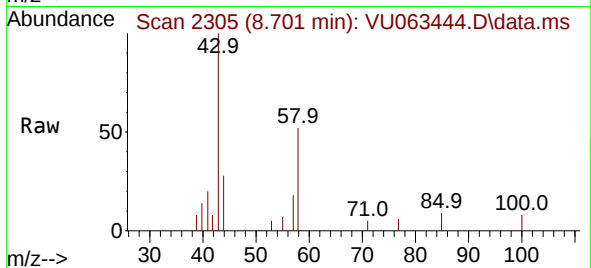
Tgt Ion: 76 Resp: 4117
Ion Ratio Lower Upper
76 100
78 30.1 25.7 38.5





#54
2-Hexanone
Concen: 1.054 ug/l
RT: 8.701 min Scan# 21
Delta R.T. 0.019 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

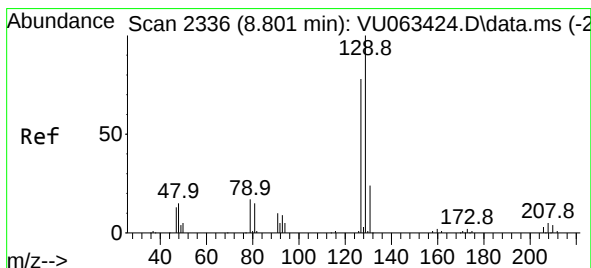
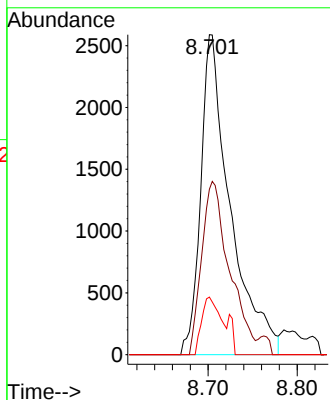
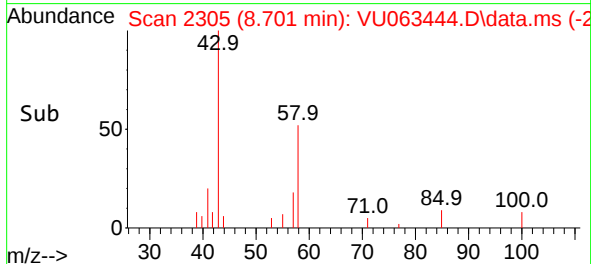
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 43 Resp: 5960
Ion Ratio Lower Upper
43 100
58 50.7 36.9 76.9
57 11.5 0.0 38.8

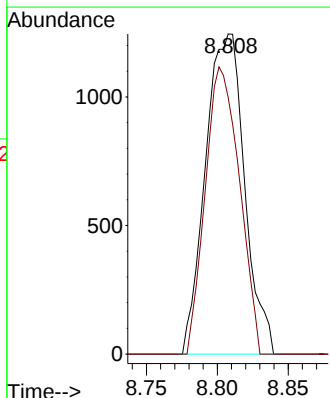
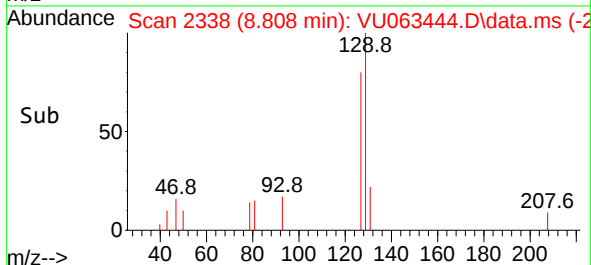
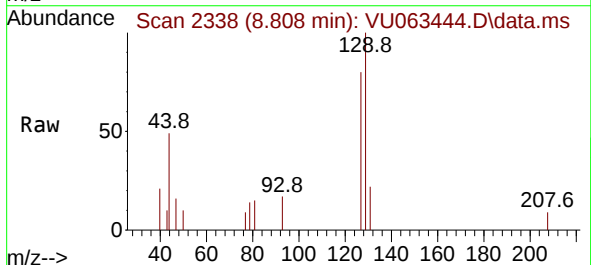
Manual Integrations
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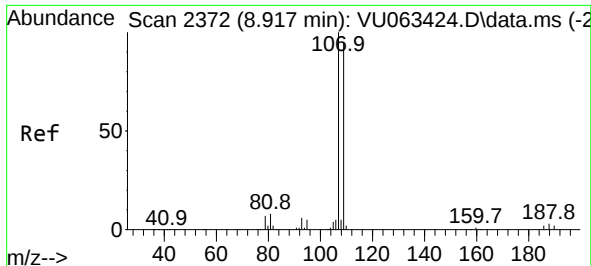
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#55
Dibromochloromethane
Concen: 0.202 ug/l
RT: 8.808 min Scan# 2338
Delta R.T. 0.007 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

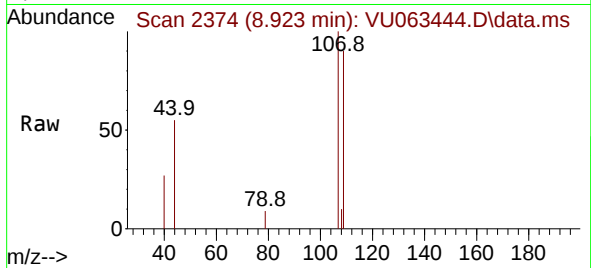
Tgt Ion:129 Resp: 2390
Ion Ratio Lower Upper
129 100
127 78.2 62.6 93.8





#56
1,2-Dibromoethane
Concen: 0.213 ug/l
RT: 8.923 min Scan# 2107
Delta R.T. 0.006 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

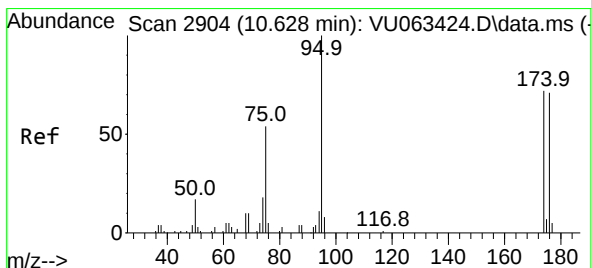
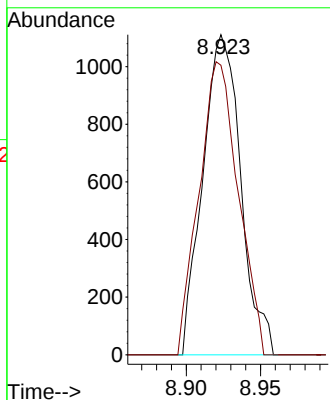
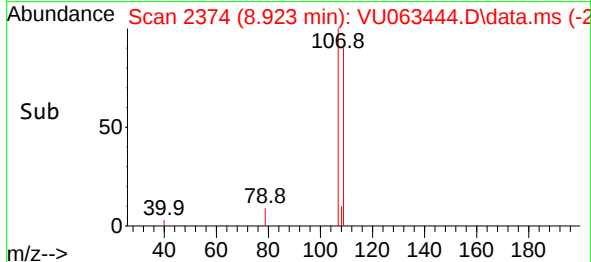
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion:107 Resp: 197
Ion Ratio Lower Upper
107 100
109 94.5 0.0 188.0

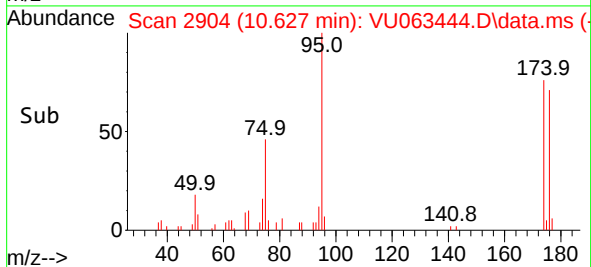
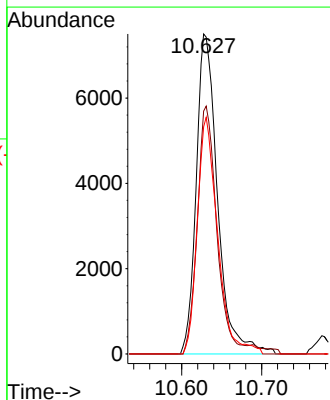
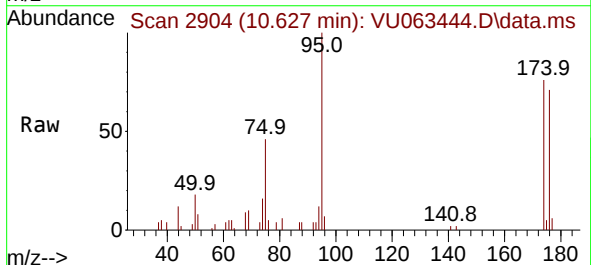
Manual Integrations
APPROVED

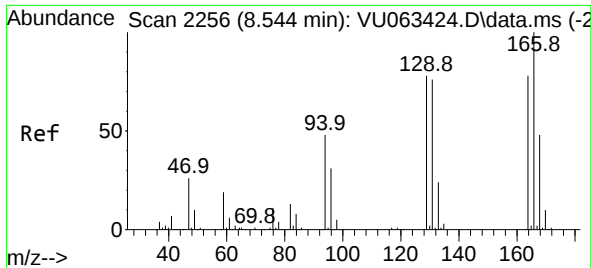
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#57
4-Bromofluorobenzene
Concen: 0.814 ug/l
RT: 10.627 min Scan# 2904
Delta R.T. -0.001 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

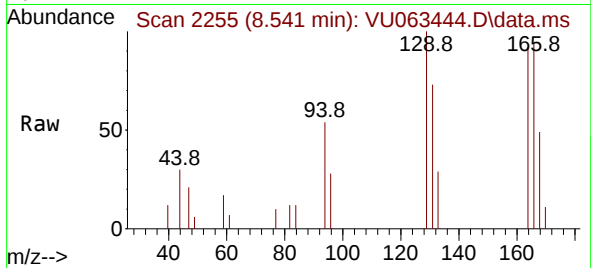
Tgt Ion: 95 Resp: 13946
Ion Ratio Lower Upper
95 100
174 70.6 59.4 89.2
176 70.6 57.8 86.6





#58
Tetrachloroethene
Concen: 0.212 ug/l
RT: 8.541 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

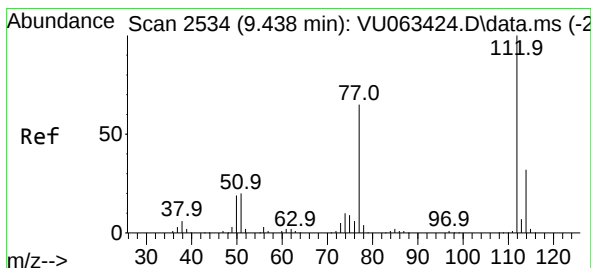
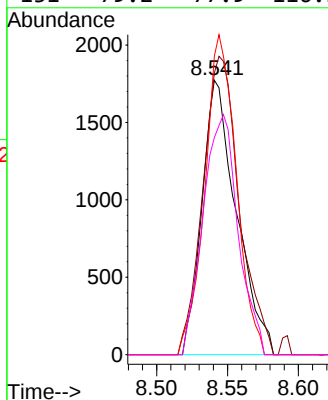
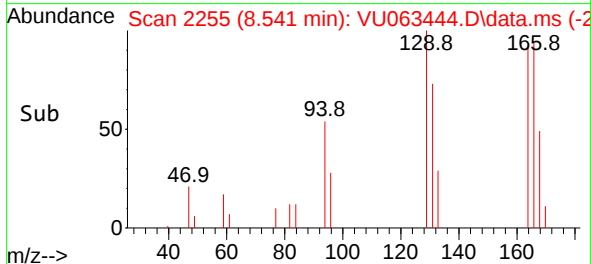
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion:164 Resp: 2994
Ion Ratio Lower Upper
164 100
166 102.7 102.8 154.2
129 108.9 80.2 120.2
131 79.2 77.9 116.9

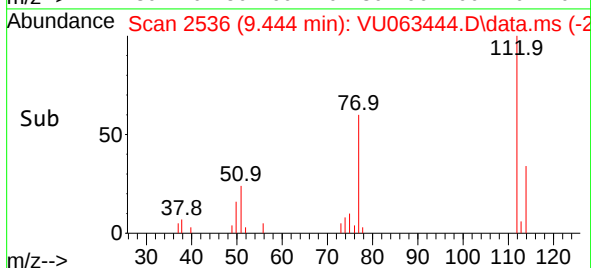
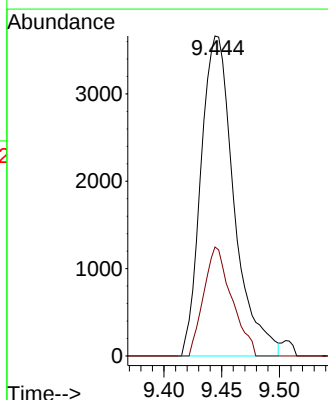
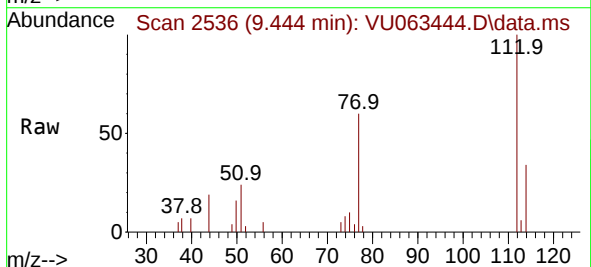
Manual Integrations
APPROVED

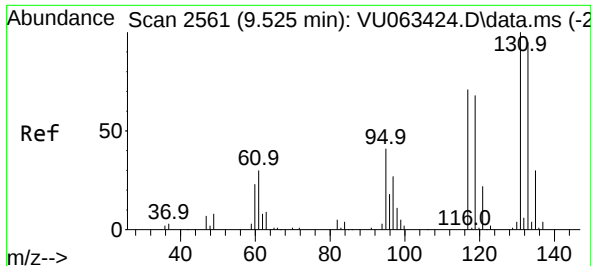
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#59
Chlorobenzene
Concen: 0.204 ug/l
RT: 9.444 min Scan# 2536
Delta R.T. 0.006 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

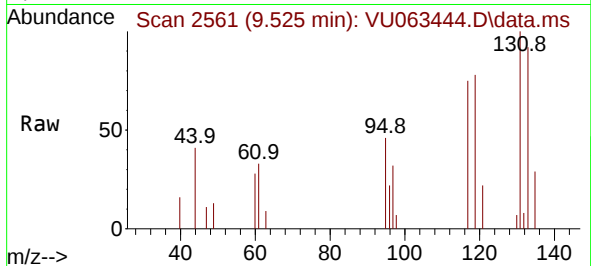
Tgt Ion:112 Resp: 7300
Ion Ratio Lower Upper
112 100
114 34.0 25.7 38.5





#60
1,1,1,2-Tetrachloroethane
Concen: 0.202 ug/l
RT: 9.525 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

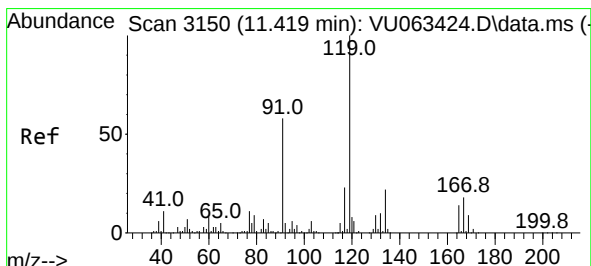
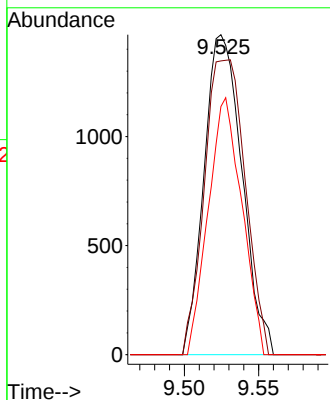
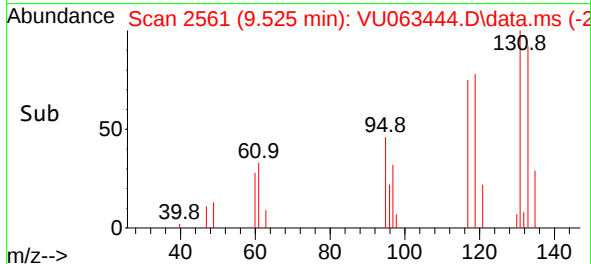
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion:131 Resp: 2604
Ion Ratio Lower Upper
131 100
133 99.4 76.1 114.1
119 71.2 53.7 80.5

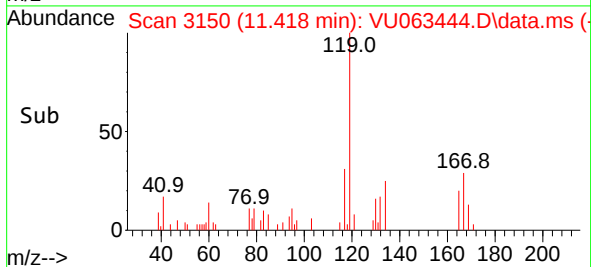
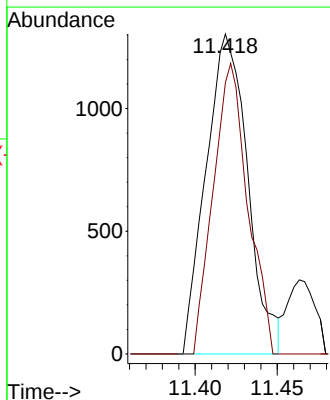
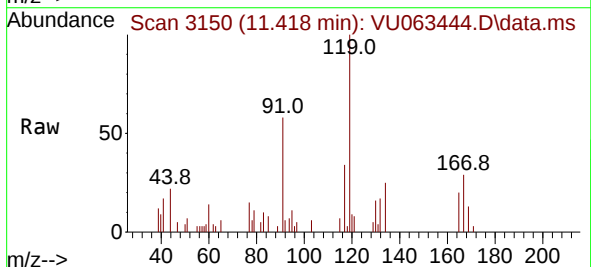
Manual Integrations
APPROVED

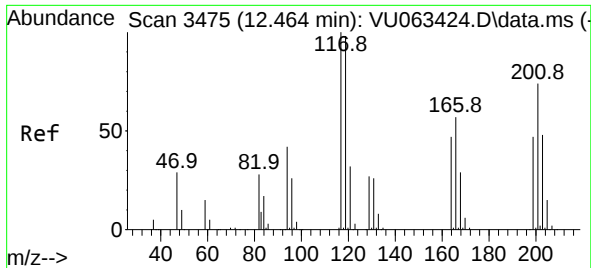
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#61
Pentachloroethane
Concen: 0.220 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. -0.001 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

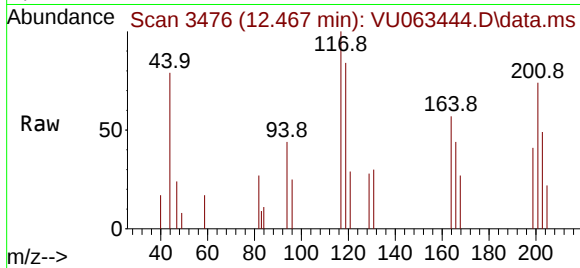
Tgt Ion:117 Resp: 2303
Ion Ratio Lower Upper
117 100
167 75.2 58.1 87.1





#62
Hexachloroethane
Concen: 0.220 ug/l
RT: 12.467 min Scan# 3475
Delta R.T. 0.003 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

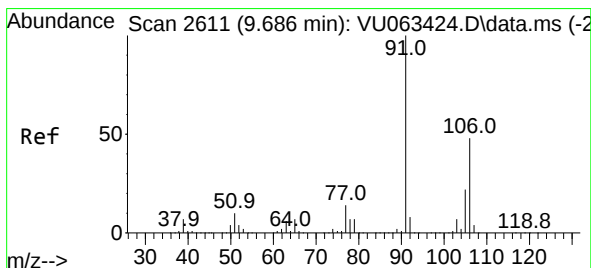
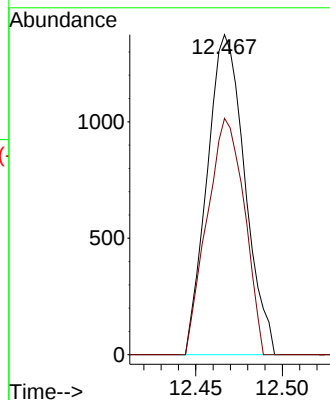
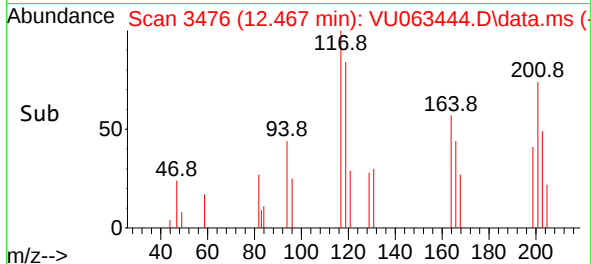
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT2-2025



Tgt Ion:117 Resp: 2075
Ion Ratio Lower Upper
117 100
201 73.1 60.4 90.6

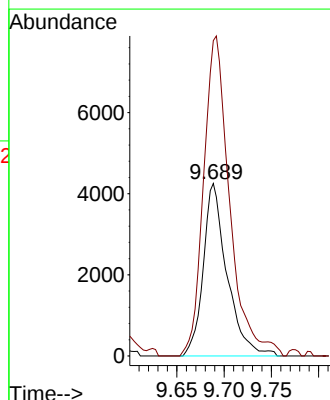
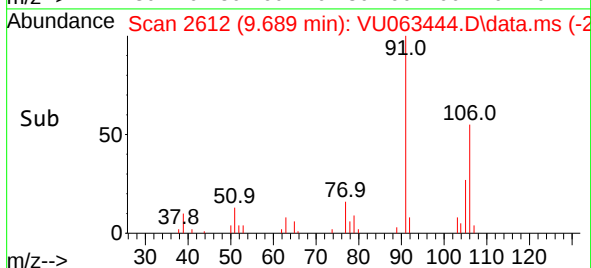
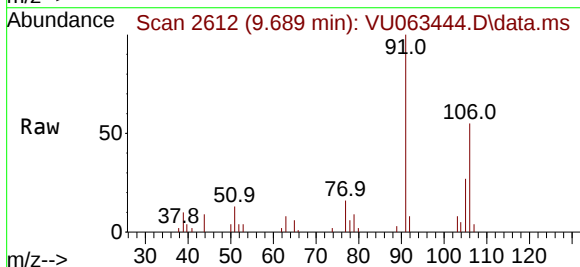
Manual Integrations
APPROVED

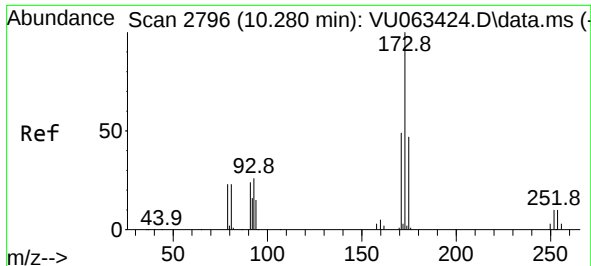
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#64
m/p-Xylenes
Concen: 0.332 ug/l
RT: 9.689 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

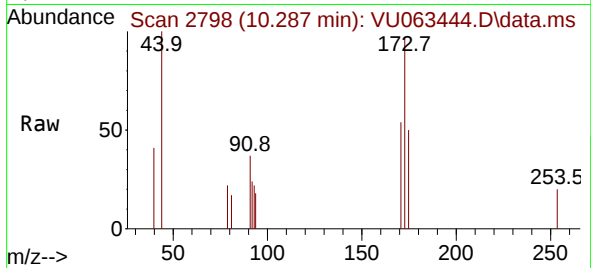
Tgt Ion:106 Resp: 7425
Ion Ratio Lower Upper
106 100
91 203.8 169.9 254.9





#67
Bromoform
Concen: 0.209 ug/l
RT: 10.287 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

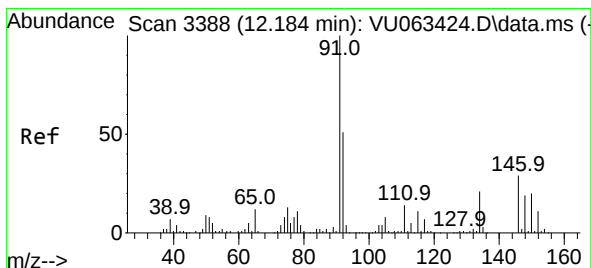
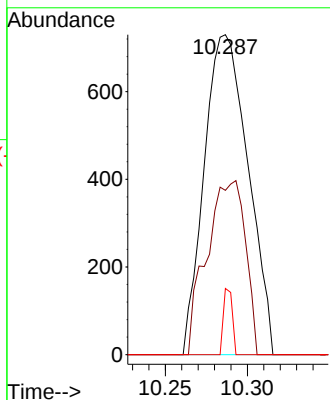
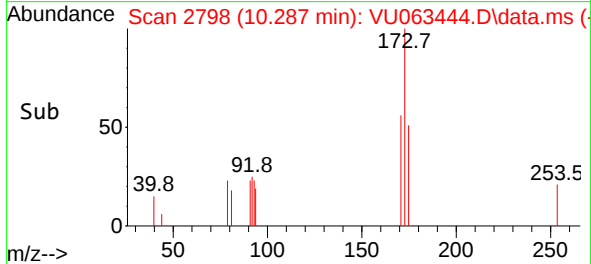
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



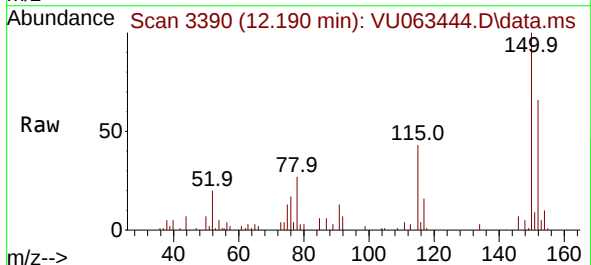
Tgt Ion:173 Resp: 1354
Ion Ratio Lower Upper
173 100
175 48.0 38.2 57.2
254 4.1 7.6 11.4

Manual Integrations
APPROVED

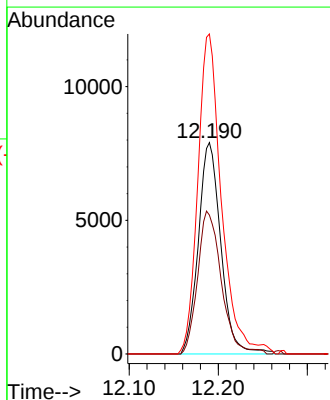
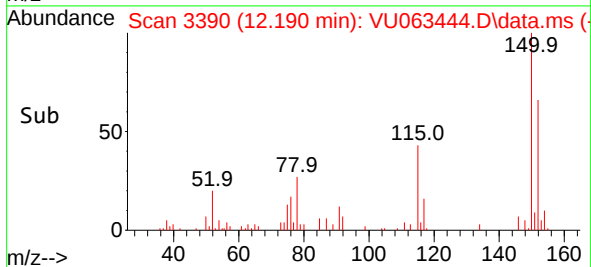
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

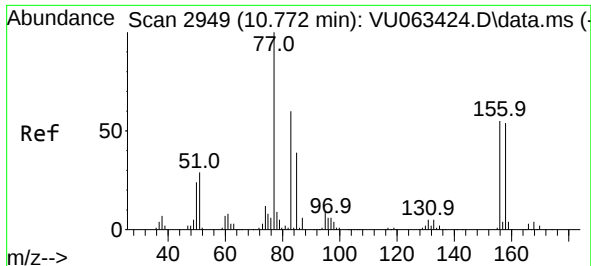


#68
1,2-Dichlorobenzene-d4
Concen: 0.804 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. 0.006 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25



Tgt Ion:152 Resp: 13843
Ion Ratio Lower Upper
152 100
115 71.4 0.0 327.6
150 159.3 0.0 664.4





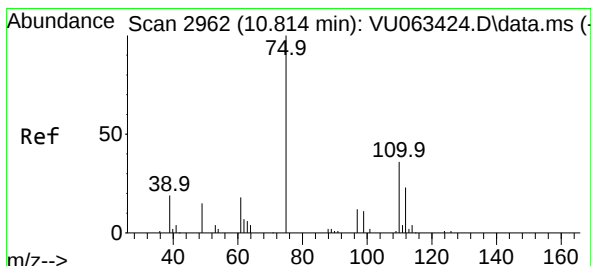
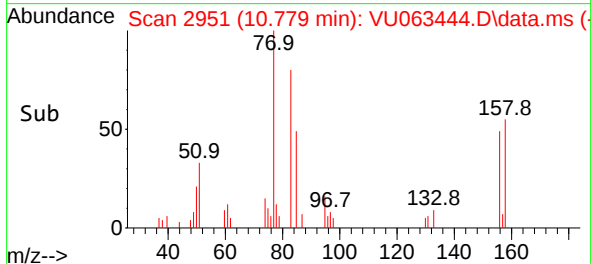
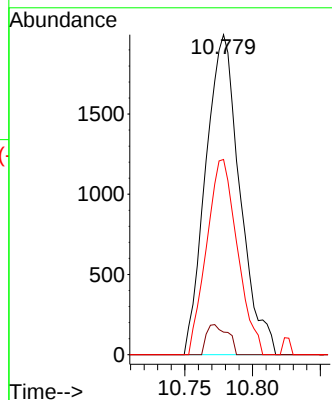
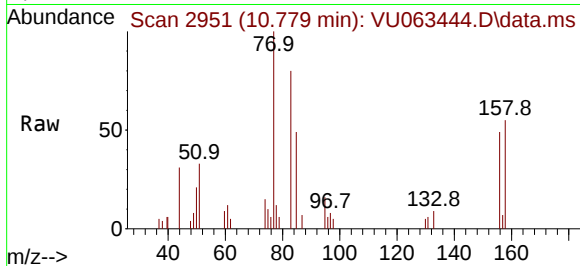
#70
1,1,2,2-Tetrachloroethane
Concen: 0.238 ug/l
RT: 10.779 min Scan# 2949
Delta R.T. 0.007 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 83 Resp: 3494
Ion Ratio Lower Upper
83 100
131 5.8 7.4 11.0
85 55.1 51.3 76.9

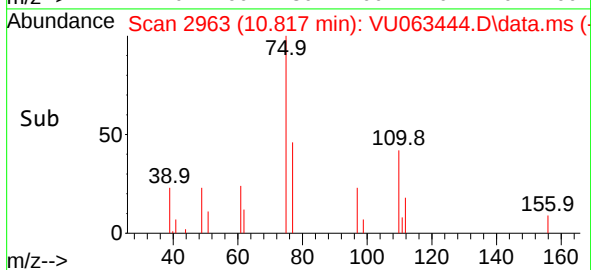
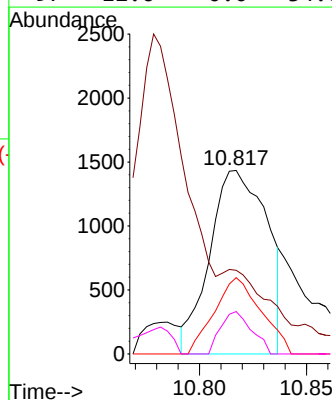
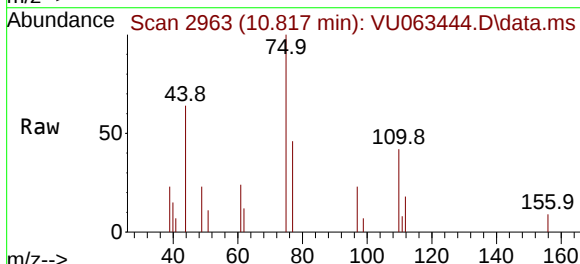
Manual Integrations
APPROVED

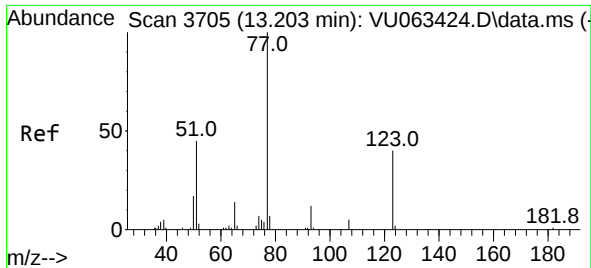
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#71
1,2,3-Trichloropropane
Concen: 0.223 ug/l m
RT: 10.817 min Scan# 2963
Delta R.T. 0.003 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

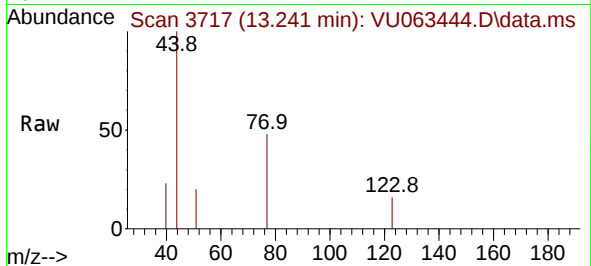
Tgt Ion: 75 Resp: 2670
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 34.0 0.0 63.4
97 12.6 0.0 34.0





#80
Nitrobenzene
Concen: 1.415 ug/l
RT: 13.241 min Scan# 31
Delta R.T. 0.038 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

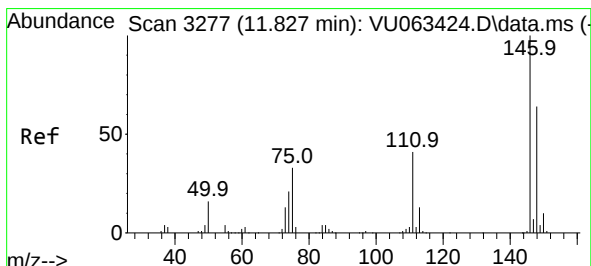
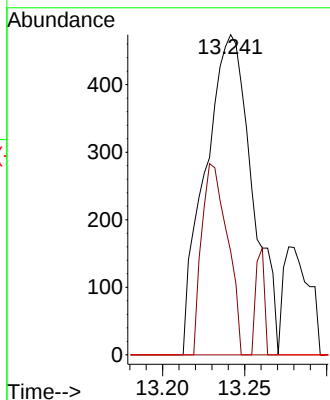
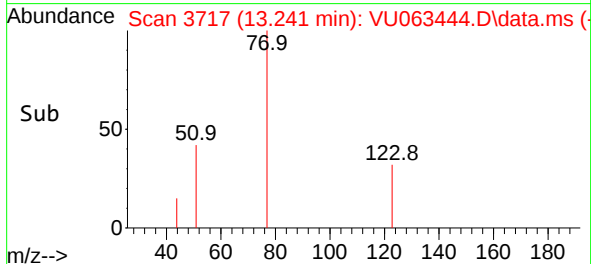
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



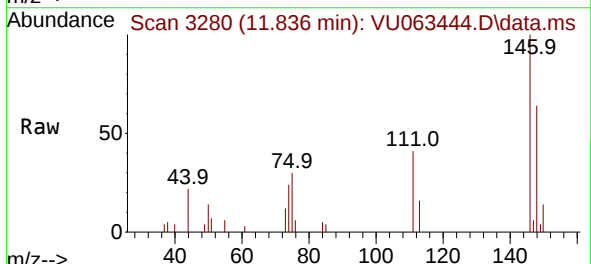
Tgt Ion: 77 Resp: 940
Ion Ratio Lower Upper
77 100
123 32.6 19.6 69.6
65 0.0 10.6 13.4

Manual Integrations
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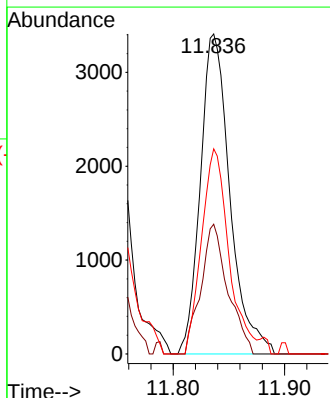
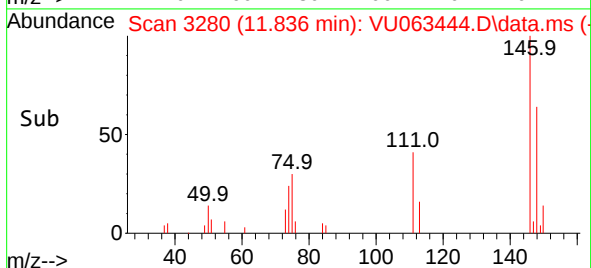
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

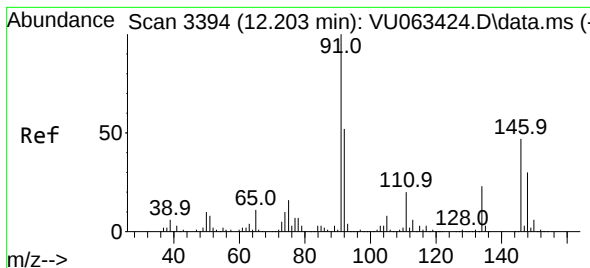


#83
1,4-Dichlorobenzene
Concen: 0.207 ug/l
RT: 11.836 min Scan# 3280
Delta R.T. 0.009 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25



Tgt Ion:146 Resp: 6292
Ion Ratio Lower Upper
146 100
111 37.0 31.7 47.5
148 59.1 51.4 77.0





#85

1,2-Dichlorobenzene

Concen: 0.204 ug/l

RT: 12.206 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063444.D

Acq: 24 Jun 2025 18:25

Instrument :

MSVOA_U

ClientSampleId :

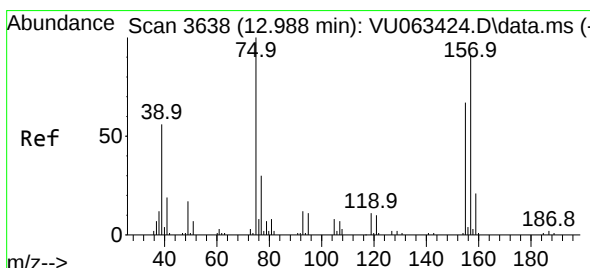
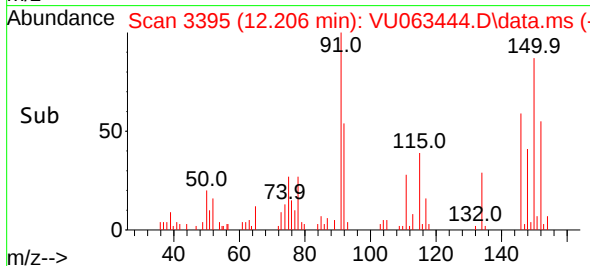
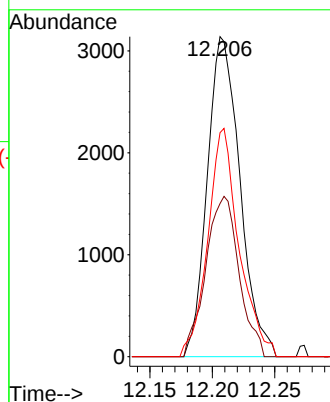
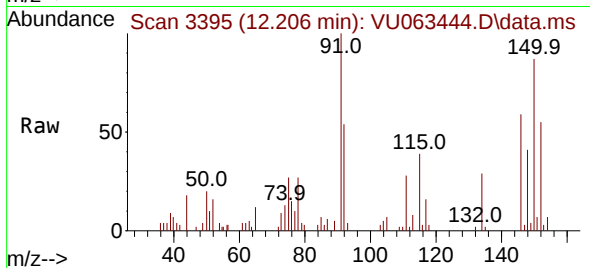
LOD-MDL-WATER-01-QT2-2025

Tgt Ion:	146	Resp:	572
Ion Ratio	Lower	Upper	
146	100		
111	51.0	21.8	65.4
148	68.1	32.3	96.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.231 ug/l

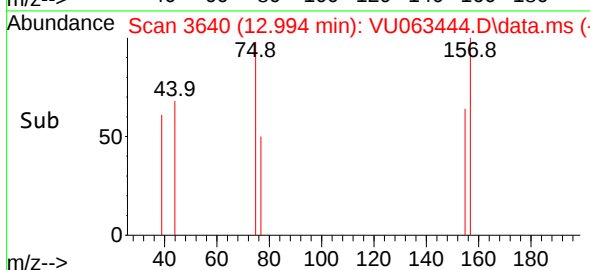
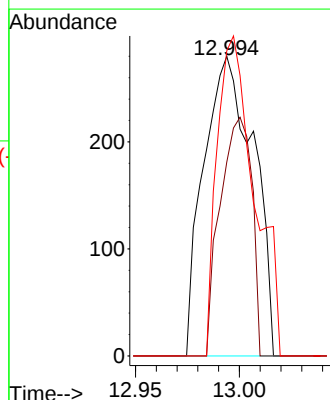
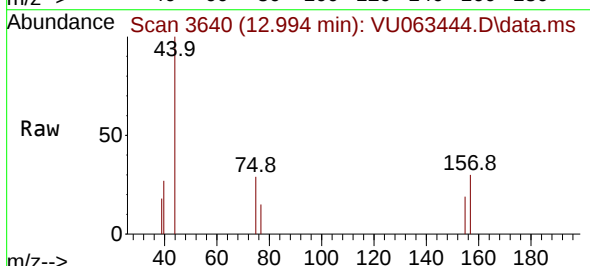
RT: 12.994 min Scan# 3640

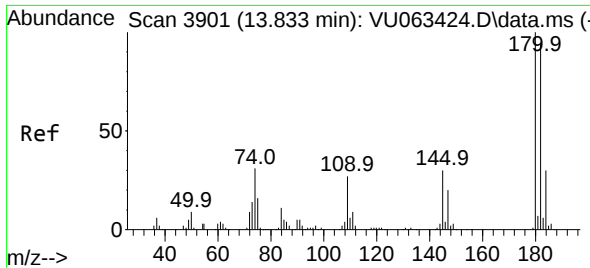
Delta R.T. 0.006 min

Lab File: VU063444.D

Acq: 24 Jun 2025 18:25

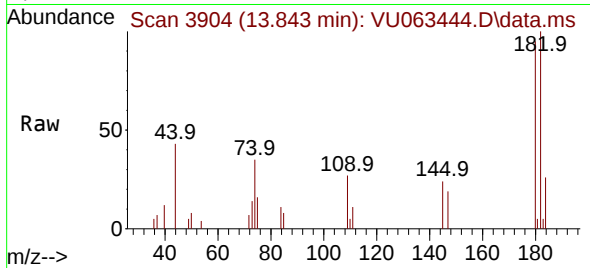
Tgt Ion:	75	Resp:	466
Ion Ratio	Lower	Upper	
75	100		
155	50.6	59.7	89.5
157	79.8	75.0	112.4





#87
1,2,4-Trichlorobenzene
Concen: 0.270 ug/l
RT: 13.843 min Scan# 3904
Delta R.T. 0.010 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

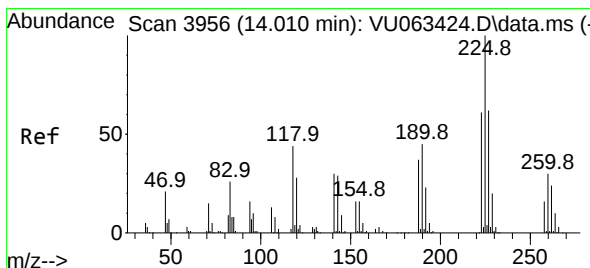
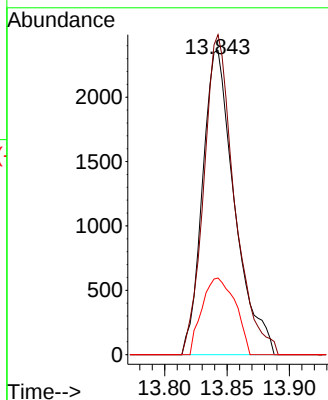
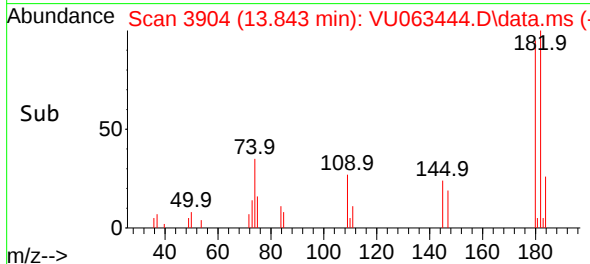
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion:180 Resp: 423
Ion Ratio Lower Upper
180 100
182 100.4 75.6 113.4
145 26.1 24.6 36.8

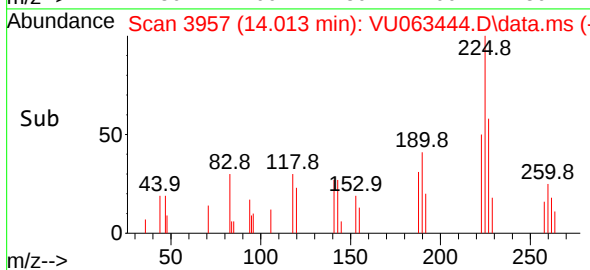
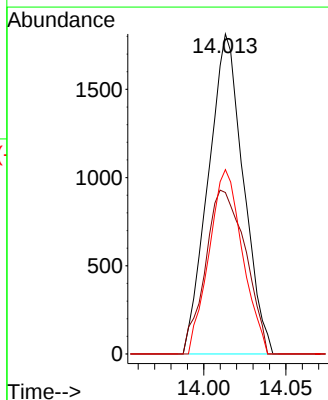
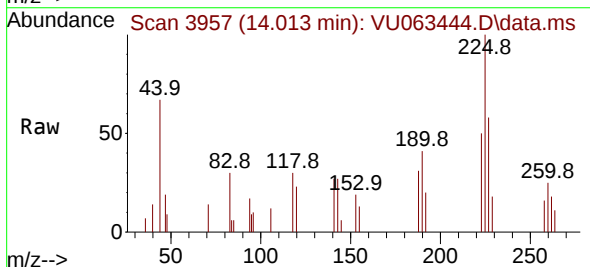
Manual Integrations
APPROVED

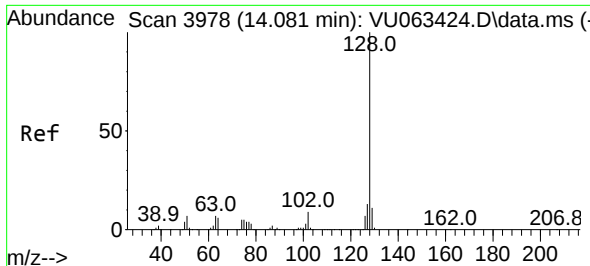
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#88
Hexachlorobutadiene
Concen: 0.243 ug/l
RT: 14.013 min Scan# 3957
Delta R.T. 0.003 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

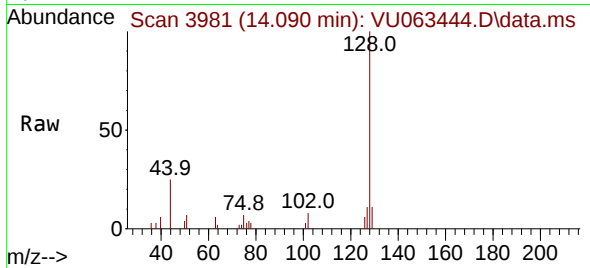
Tgt Ion:225 Resp: 2693
Ion Ratio Lower Upper
225 100
223 58.6 50.0 75.0
227 55.0 51.5 77.3





#89
Naphthalene
Concen: 0.354 ug/l
RT: 14.090 min Scan# 3978
Delta R.T. 0.009 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25

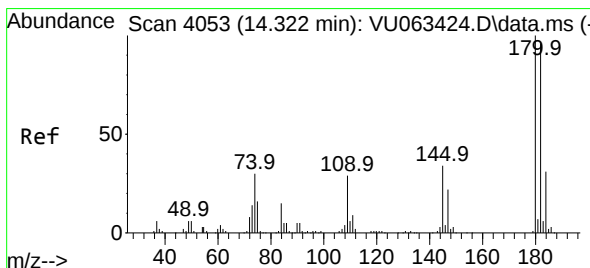
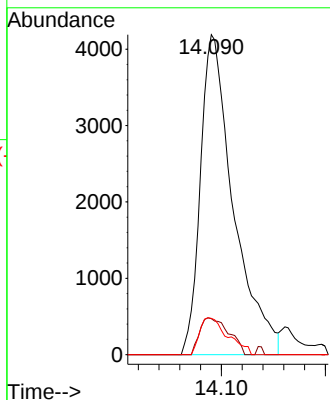
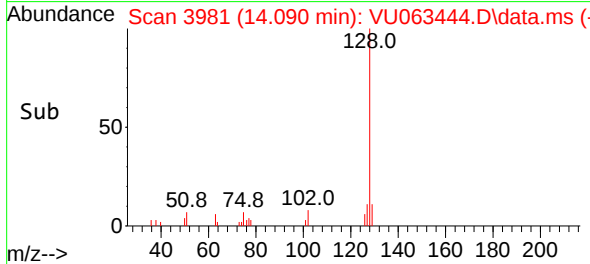
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT2-2025



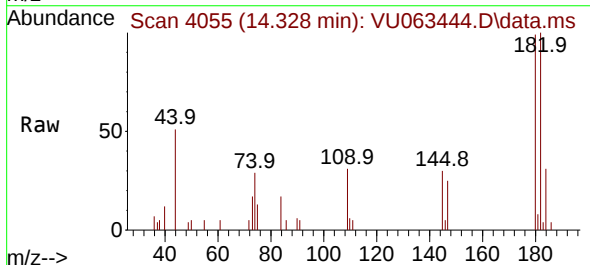
Tgt Ion:128 Resp: 923
Ion Ratio Lower Upper
128 100
127 10.2 10.4 15.6
129 9.8 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#90
1,2,3-Trichlorobenzene
Concen: 0.282 ug/l
RT: 14.328 min Scan# 4055
Delta R.T. 0.006 min
Lab File: VU063444.D
Acq: 24 Jun 2025 18:25



Tgt Ion:180 Resp: 4388
Ion Ratio Lower Upper
180 100
182 102.4 76.7 115.1
145 33.5 27.4 41.2

