

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110725\
 Data File : VU063682.D
 Acq On : 07 Nov 2025 12:57
 Operator : MD/SY
 Sample : Q3530-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2025
 Supervised By : Mahesh Dadoda 11/12/2025

Quant Time: Nov 08 02:33:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Nov 03 00:51:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.081	96	57176	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	23119	0.894	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
68) 1,2-Dichlorobenzene-d4	12.171	152	20020	0.863	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	3828	0.178	ug/l	93
3) Chloromethane	1.509	50	4193	0.207	ug/l	99
4) Vinyl Chloride	1.589	62	3880	0.189	ug/l	95
5) Bromomethane	1.840	94	3483	0.280	ug/l	97
6) Chloroethane	1.917	64	2515	0.199	ug/l	92
7) Trichlorofluoromethane	2.123	101	6155	0.206	ug/l	92
8) 1,1,2-Trichloro-1,2,2-...	2.557	101	3386	0.213	ug/l	97
9) 1,1-Dichloroethene	2.557	96	3531	0.229	ug/l	85
10) Iodomethane	2.695	142	2449	0.107	ug/l	97
11) Allyl Chloride	2.898	41	4641	0.193	ug/l	95
12) Acrylonitrile	3.284	53	1840m	0.483	ug/l	
13) Acetone	2.605	43	7512	1.115	ug/l	97
14) Carbon Disulfide	2.766	76	7610	0.175	ug/l #	91
15) Methylene Chloride	3.017	84	6113	0.309	ug/l	90
16) trans-1,2-Dichloroethene	3.322	96	4282	0.252	ug/l #	78
17) 1,1-Dichloroethane	3.827	63	7474	0.222	ug/l #	91
18) 2-Butanone	4.695	43	7387	1.034	ug/l	89
19) Cyclohexane	5.345	56	5161	0.201	ug/l	92
20) Methylcyclohexane	6.727	83	6198	0.193	ug/l	96
21) 2,2-Dichloropropane	4.631	77	5896	0.195	ug/l	92
22) cis-1,2-Dichloroethene	4.631	96	4777	0.247	ug/l	77
23) Diethyl Ether	2.361	59	2348	0.186	ug/l #	86
24) tert-Butyl Alcohol	3.165	59	5609	2.576	ug/l #	81
25) Methyl tert-Butyl Ether	3.345	73	9181	0.203	ug/l #	73
26) Bromochloromethane	4.939	128	1862	0.228	ug/l	87
27) Chloroform	5.058	83	7721	0.224	ug/l	92
28) 1,1,1-Trichloroethane	5.280	97	6158	0.203	ug/l	96
29) 1,1-Dichloropropene	5.489	75	5536	0.217	ug/l #	86
30) Carbon Tetrachloride	5.483	117	4405	0.183	ug/l	89
31) Isopropyl Ether	3.972	45	10561	0.198	ug/l	92
32) Ethyl-t-butyl ether	4.486	59	10159	0.198	ug/l #	66
33) Tert-Amyl methyl ether	5.923	73	8727	0.195	ug/l #	94
34) Propionitrile	4.763	54	2464m	1.765	ug/l	
35) Benzene	5.740	78	13719	0.191	ug/l	95
36) 1,2-Dichloroethane	5.766	62	4933	0.214	ug/l #	93
37) Trichloroethene	6.509	130	4057	0.198	ug/l	93
38) 1,2-Dichloropropane	6.766	63	3708	0.184	ug/l	99
39) Methacrylonitrile	4.968	41	2734m	0.393	ug/l	
40) Methyl acrylate	4.833	55	1962	0.194	ug/l #	83
41) Tetrahydrofuran	5.036	42	3196m	1.022	ug/l	
42) 1-Chlorobutane	5.422	56	6699	0.196	ug/l	98
43) Dibromomethane	6.891	93	2140	0.206	ug/l	93
44) Bromodichloromethane	7.084	83	4332	0.170	ug/l	90

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Instrument :
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 MDL-WATER-03-QT4-2025

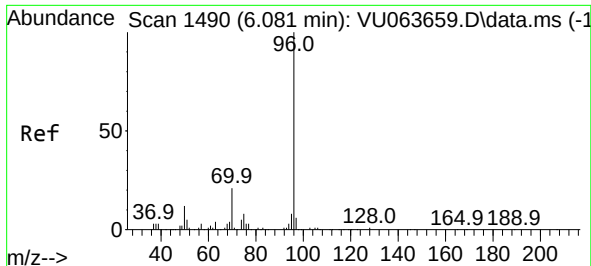
Manual Integrations
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Reviewed By : John Carlone 11/12/2025
 Supervised By : Mahesh Dadoda 11/12/2025

Quant Time: Nov 08 02:33:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Nov 03 00:51:51 2025
 Response via : Initial Calibration

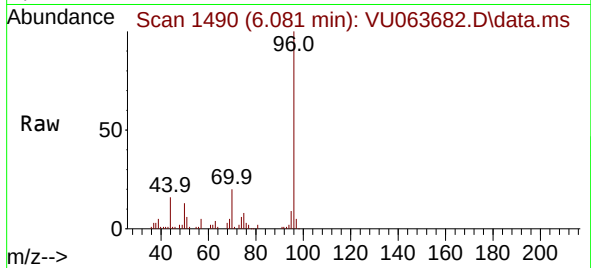
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45) 4-Methyl-2-Pentanone	7.788	43	12323	0.982	ug/l	93
46) t-1,4-Dichloro-2-butene	10.807	75	1841m	0.423	ug/l	
47) Methyl methacrylate	6.955	69	3178	0.332	ug/l	93
48) Ethyl methacrylate	8.325	69	3598m	0.185	ug/l	
49) Toluene	7.946	92	8827	0.182	ug/l	98
50) t-1,3-Dichloropropene	8.193	75	3452	0.156	ug/l #	87
51) cis-1,3-Dichloropropene	7.586	75	4523	0.163	ug/l	93
52) 1,1,2-Trichloroethane	8.377	97	2474	0.175	ug/l #	89
53) 1,3-Dichloropropane	8.557	76	4833	0.191	ug/l	97
54) 2-Hexanone	8.682	43	9689	0.914	ug/l	93
55) Dibromochloromethane	8.785	129	2363	0.142	ug/l	97
56) 1,2-Dibromoethane	8.901	107	2416	0.179	ug/l	100
58) Tetrachloroethene	8.525	164	3753	0.187	ug/l	89
59) Chlorobenzene	9.425	112	10990	0.209	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.512	131	2908	0.158	ug/l	95
61) Pentachloroethane	11.399	117	2144	0.168	ug/l	93
62) Hexachloroethane	12.450	117	1685	0.120	ug/l	93
63) Ethyl Benzene	9.547	91	17283	0.181	ug/l	98
64) m/p-Xylenes	9.672	106	13272	0.373	ug/l	92
65) o-Xylene	10.078	106	6763	0.194	ug/l	99
66) Styrene	10.097	104	10242	0.181	ug/l	97
67) Bromoform	10.270	173	1137	0.126	ug/l #	94
69) Isopropylbenzene	10.460	105	16732	0.194	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.762	83	3346	0.188	ug/l #	93
71) 1,2,3-Trichloropropane	10.801	75	2714m	0.176	ug/l	
72) Bromobenzene	10.762	156	4197	0.202	ug/l	82
73) n-propylbenzene	10.885	120	4790	0.196	ug/l	94
74) 2-Chlorotoluene	10.962	126	4118	0.194	ug/l	95
75) 1,3,5-Trimethylbenzene	11.065	105	14218	0.179	ug/l	98
76) 4-Chlorotoluene	11.077	126	4193	0.197	ug/l	98
77) tert-Butylbenzene	11.396	119	14949	0.192	ug/l	99
78) 1,2,4-Trimethylbenzene	11.447	105	14675	0.192	ug/l	99
79) sec-Butylbenzene	11.621	105	19647	0.192	ug/l	99
80) Nitrobenzene	13.206	77	643	1.029	ug/l #	46
81) p-Isopropyltoluene	11.769	119	15464	0.184	ug/l	100
82) 1,3-Dichlorobenzene	11.727	146	8737	0.217	ug/l	98
83) 1,4-Dichlorobenzene	11.817	146	9547	0.238	ug/l	97
84) n-Butylbenzene	12.187	91	16684	0.222	ug/l	98
85) 1,2-Dichlorobenzene	12.190	146	7880	0.207	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.971	75	387	0.131	ug/l #	81
87) 1,2,4-Trichlorobenzene	13.820	180	6299	0.268	ug/l	93
88) Hexachlorobutadiene	13.997	225	2928	0.209	ug/l	93
89) Naphthalene	14.068	128	17235	0.381	ug/l	98
90) 1,2,3-Trichlorobenzene	14.309	180	6318	0.294	ug/l	96

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



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.081 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

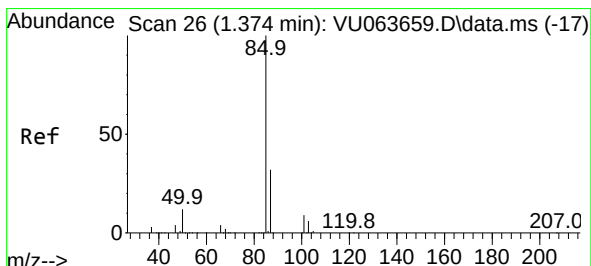
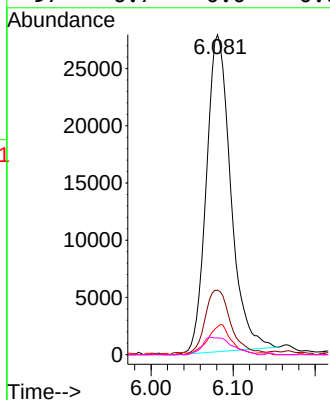
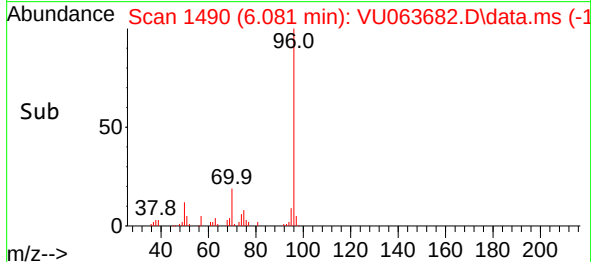
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion	Ratio	Lower	Upper
96	100		
70	20.5	15.3	22.9
95	8.1	6.5	9.7
97	6.7	0.0	0.0

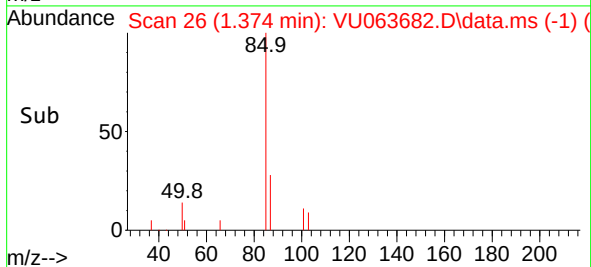
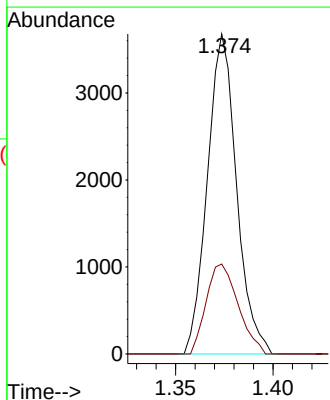
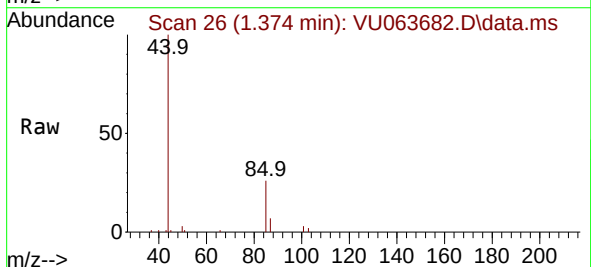
Manual Integrations
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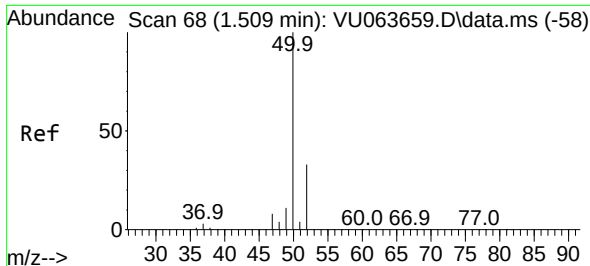
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#2
Dichlorodifluoromethane
Concen: 0.178 ug/l
RT: 1.374 min Scan# 26
Delta R.T. -0.000 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

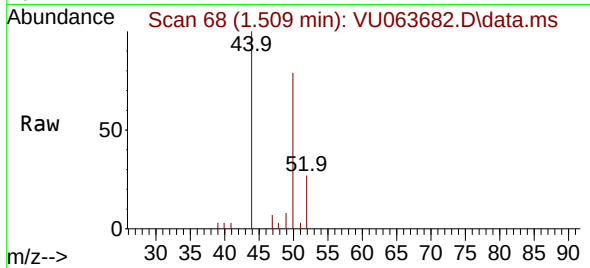
Tgt Ion	Ratio	Lower	Upper
85	100		
87	28.1	16.0	47.9





#3
Chloromethane
Concen: 0.207 ug/l
RT: 1.509 min Scan# 68
Delta R.T. -0.000 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

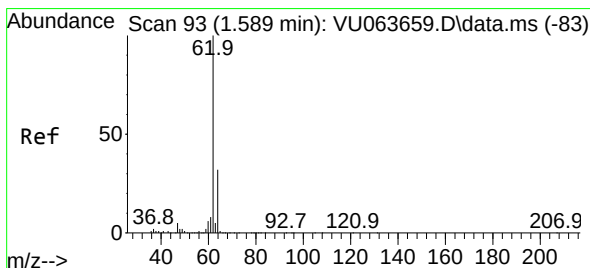
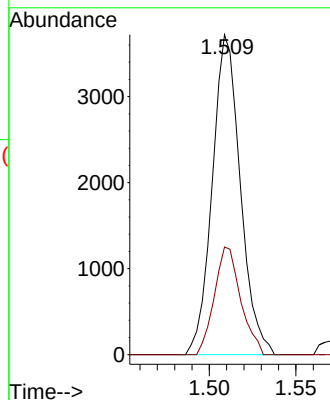
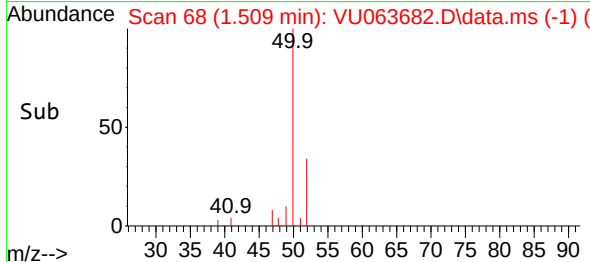
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



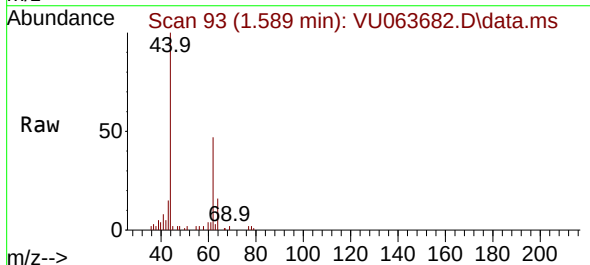
Tgt Ion: 50 Resp: 419
Ion Ratio Lower Upper
50 100
52 33.6 26.6 40.0

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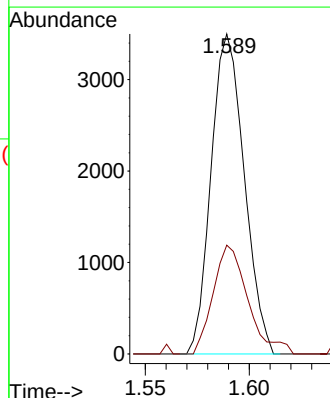
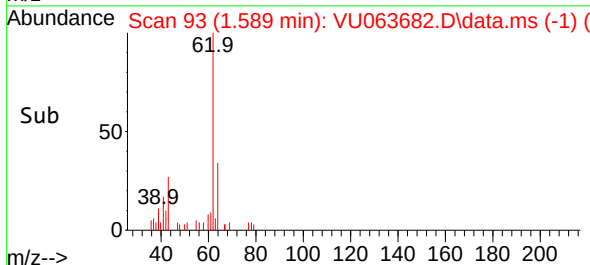
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

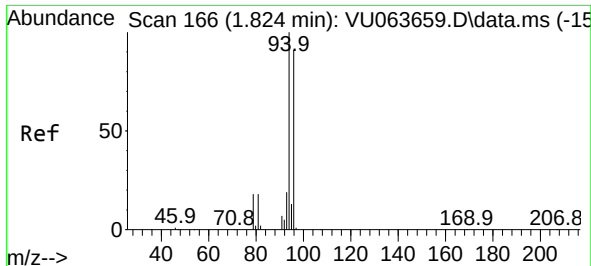


#4
Vinyl Chloride
Concen: 0.189 ug/l
RT: 1.589 min Scan# 93
Delta R.T. -0.000 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57



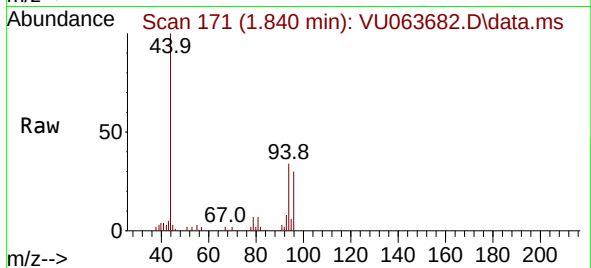
Tgt Ion: 62 Resp: 3880
Ion Ratio Lower Upper
62 100
64 34.0 25.2 37.8





#5
Bromomethane
Concen: 0.280 ug/l
RT: 1.840 min Scan# 11
Delta R.T. 0.016 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

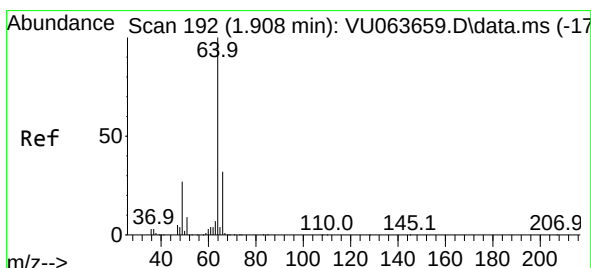
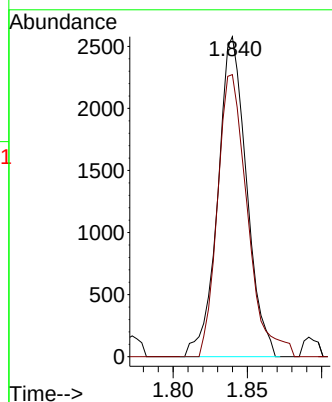
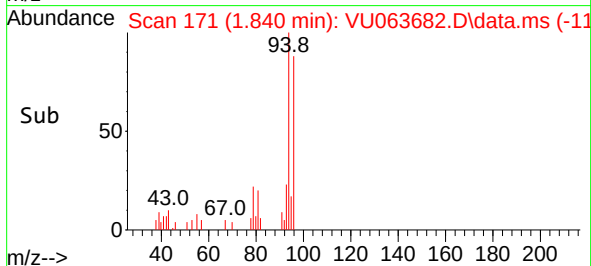
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 94 Resp: 348
Ion Ratio Lower Upper
94 100
96 88.1 73.0 109.6

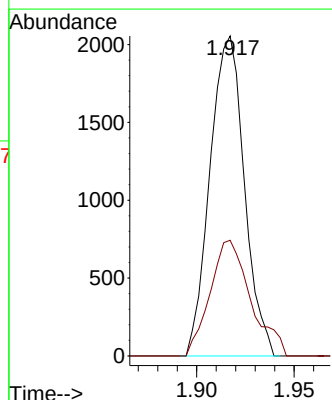
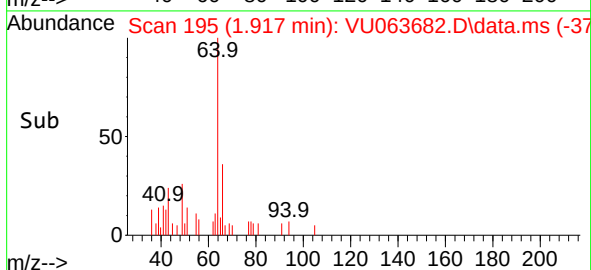
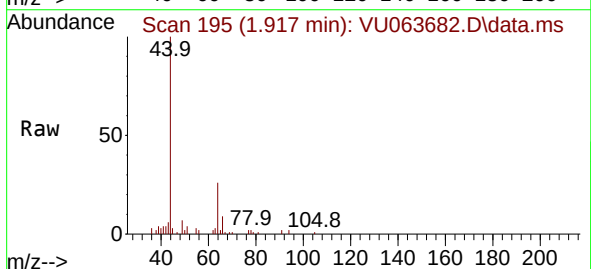
Manual Integrations
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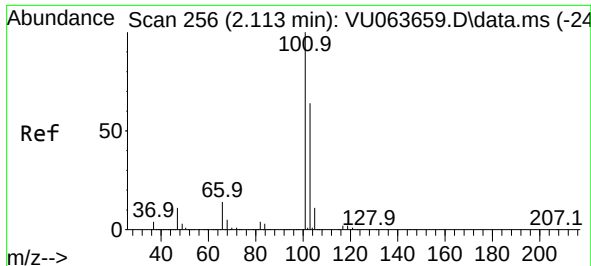
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#6
Chloroethane
Concen: 0.199 ug/l
RT: 1.917 min Scan# 195
Delta R.T. 0.010 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

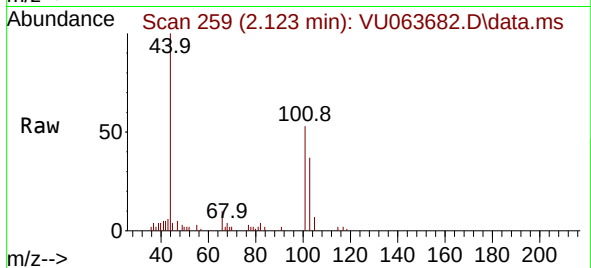
Tgt Ion: 64 Resp: 2515
Ion Ratio Lower Upper
64 100
66 36.2 25.4 38.2





#7
Trichlorofluoromethane
Concen: 0.206 ug/l
RT: 2.123 min Scan# 210
Delta R.T. 0.010 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

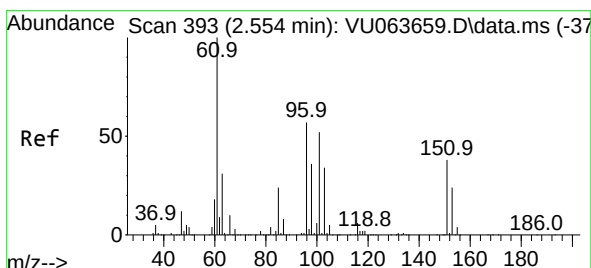
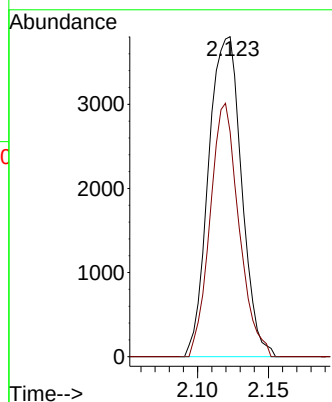
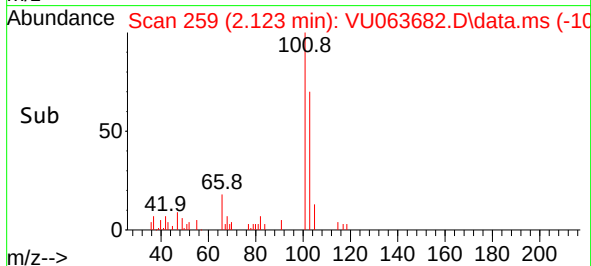
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



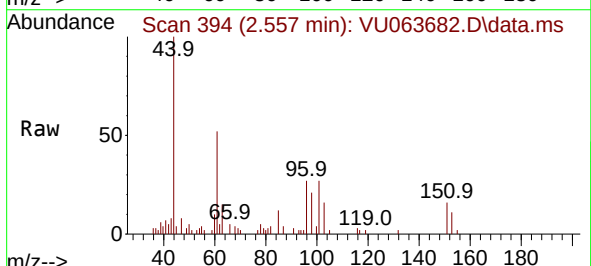
Tgt Ion:101 Resp: 615
Ion Ratio Lower Upper
101 100
103 70.3 51.0 76.6

Manual Integrations
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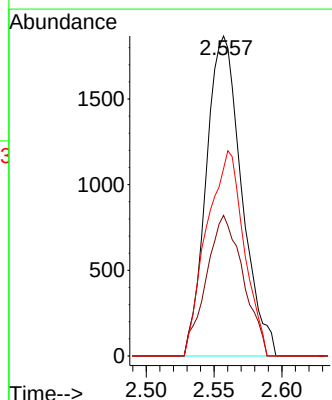
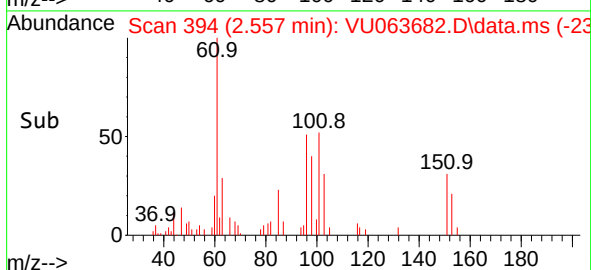
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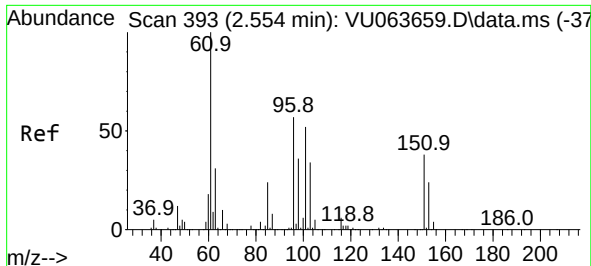


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.213 ug/l
RT: 2.557 min Scan# 394
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57



Tgt Ion:101 Resp: 3386
Ion Ratio Lower Upper
101 100
85 45.8 37.0 55.4
151 67.6 57.2 85.8





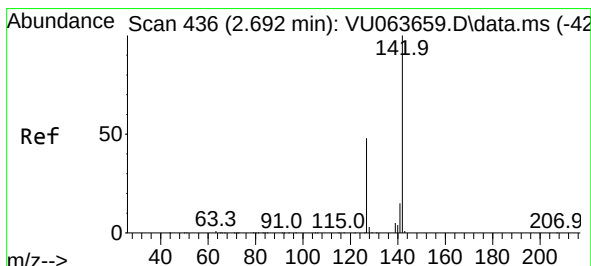
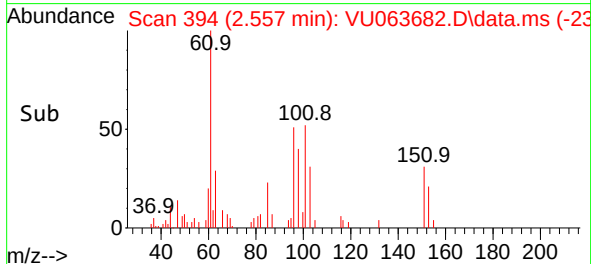
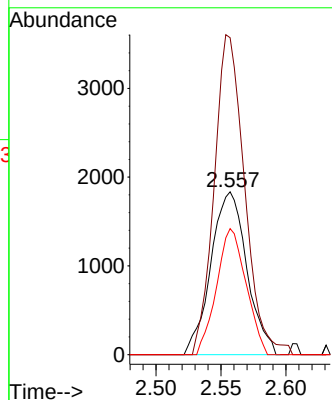
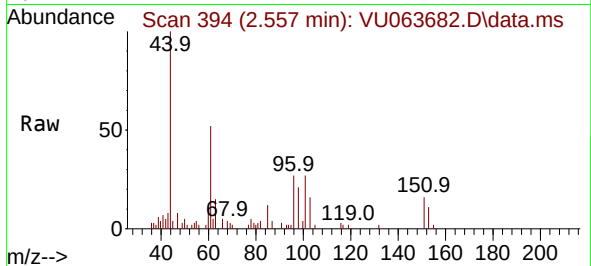
#9
1,1-Dichloroethene
Concen: 0.229 ug/l
RT: 2.557 min Scan# 393
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion: 96 Resp: 353
Ion Ratio Lower Upper
96 100
61 194.6 0.0 524.7
98 77.4 0.0 126.8

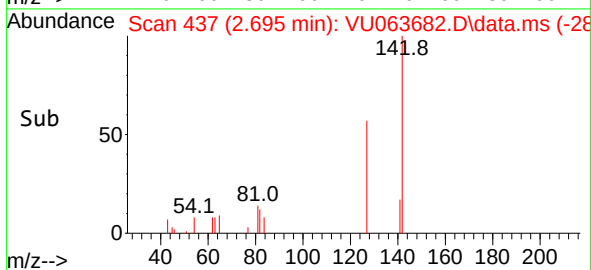
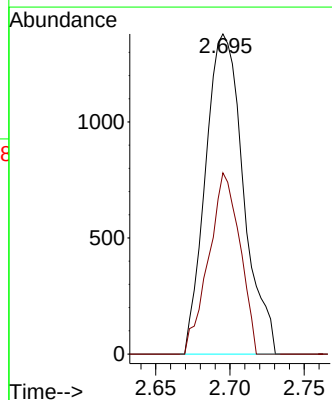
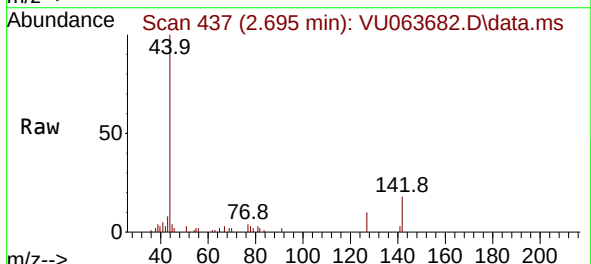
Manual Integrations
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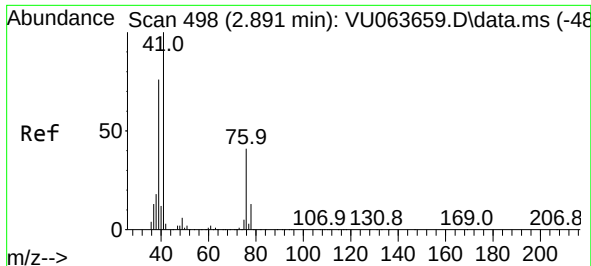
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#10
Iodomethane
Concen: 0.107 ug/l
RT: 2.695 min Scan# 437
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

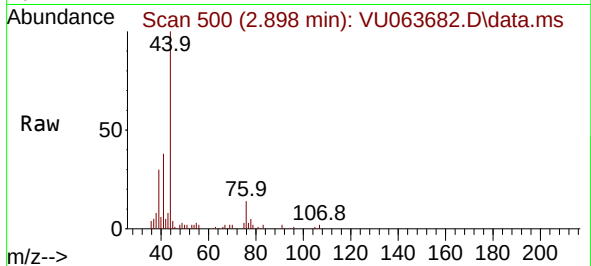
Tgt Ion:142 Resp: 2449
Ion Ratio Lower Upper
142 100
127 46.5 38.6 58.0





#11
 Allyl Chloride
 Concen: 0.193 ug/l
 RT: 2.898 min Scan# 50
 Delta R.T. 0.006 min
 Lab File: VU063682.D
 Acq: 07 Nov 2025 12:57

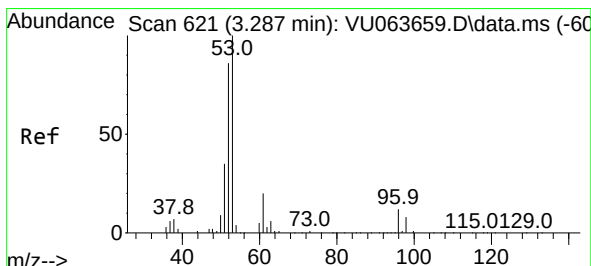
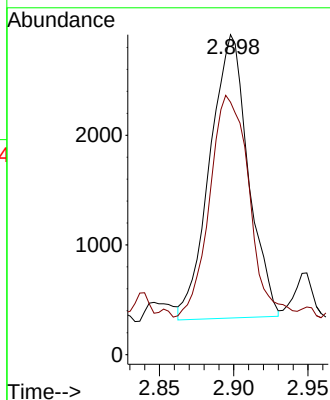
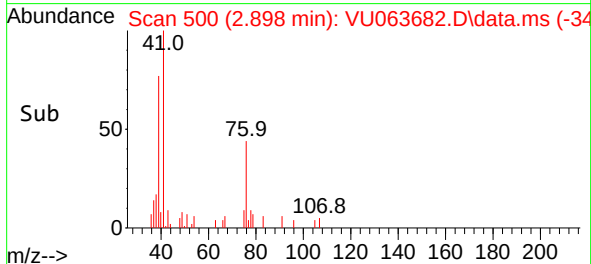
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025



Tgt Ion: 41 Resp: 464
 Ion Ratio Lower Upper
 41 100
 39 80.4 61.0 91.4

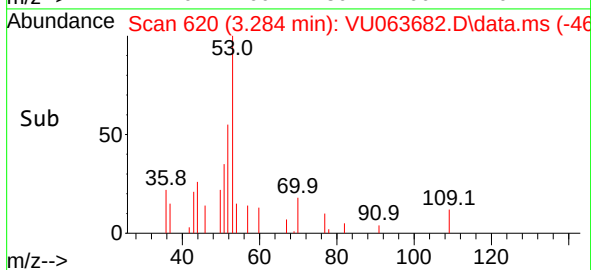
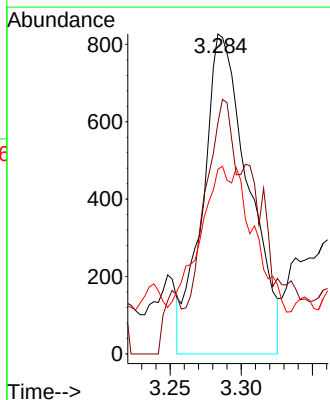
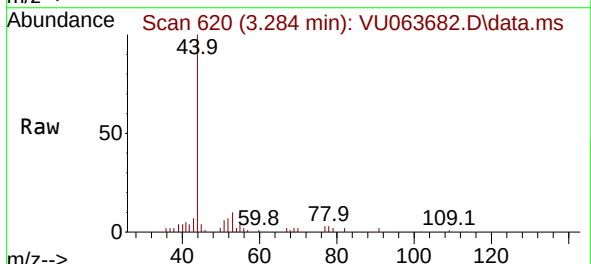
Manual Integrations
 APPROVED

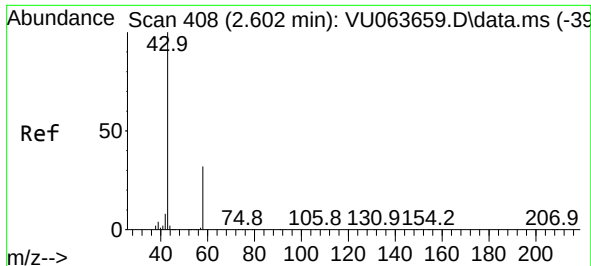
Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025



#12
 Acrylonitrile
 Concen: 0.483 ug/l m
 RT: 3.284 min Scan# 620
 Delta R.T. -0.003 min
 Lab File: VU063682.D
 Acq: 07 Nov 2025 12:57

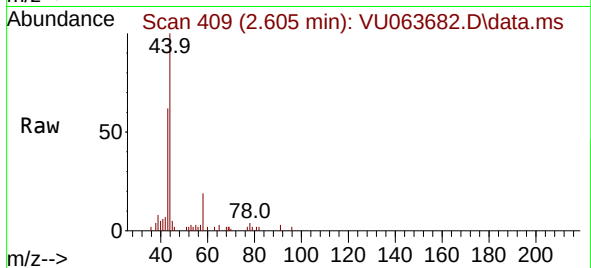
Tgt Ion: 53 Resp: 1840
 Ion Ratio Lower Upper
 53 100
 52 42.7 65.4 98.0#
 51 51.8 27.6 41.4#





#13
Acetone
Concen: 1.115 ug/l
RT: 2.605 min Scan# 408
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

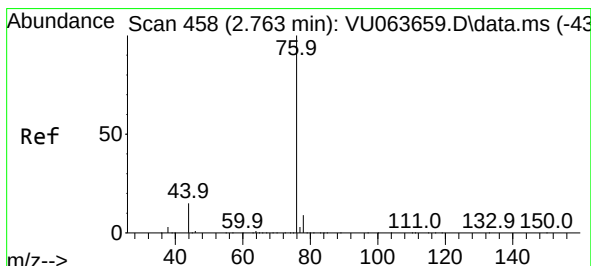
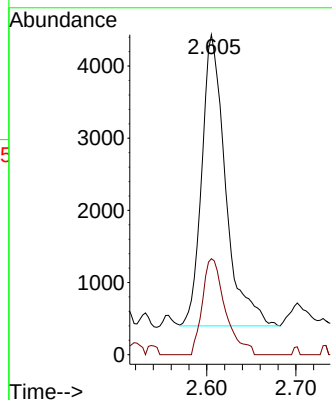
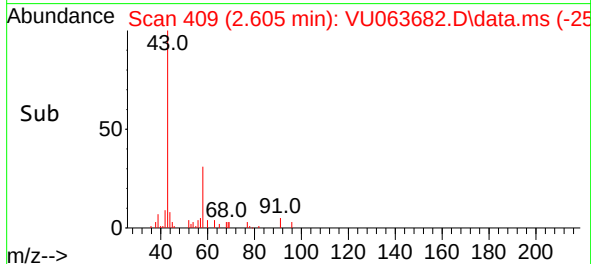
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



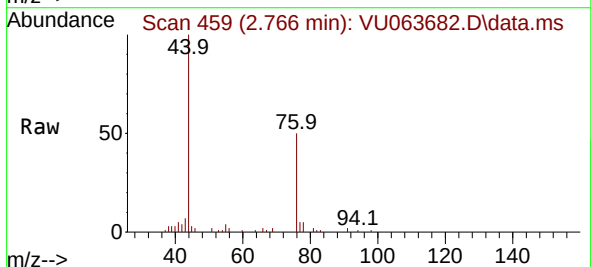
Tgt Ion: 43 Resp: 7512
Ion Ratio Lower Upper
43 100
58 33.0 25.2 37.8

Manual Integrations
APPROVED

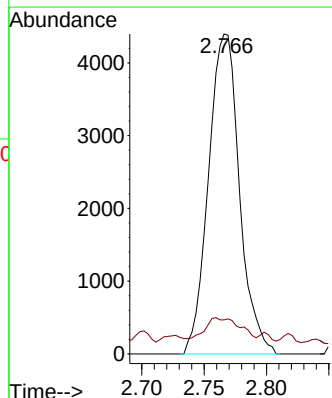
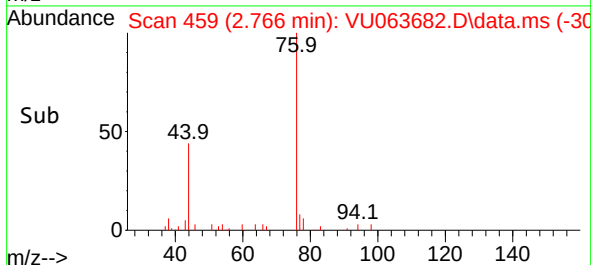
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

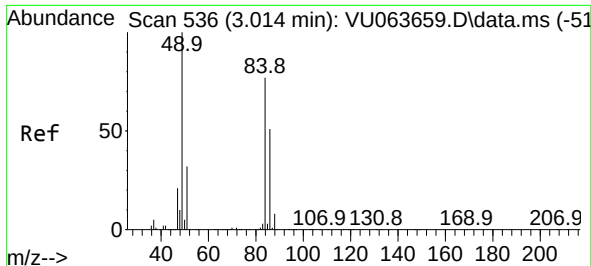


#14
Carbon Disulfide
Concen: 0.175 ug/l
RT: 2.766 min Scan# 459
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57



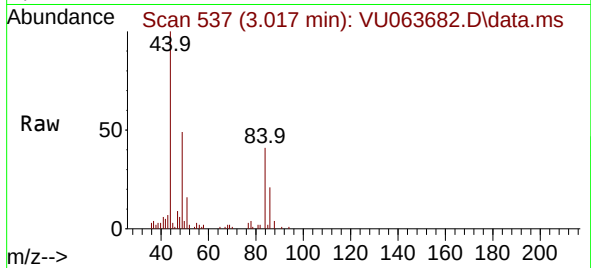
Tgt Ion: 76 Resp: 7610
Ion Ratio Lower Upper
76 100
78 6.1 7.5 11.3#





#15
Methylene Chloride
Concen: 0.309 ug/l
RT: 3.017 min Scan# 511
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

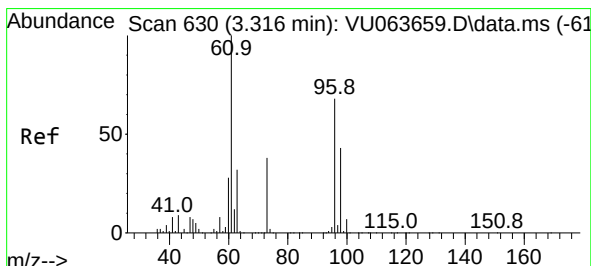
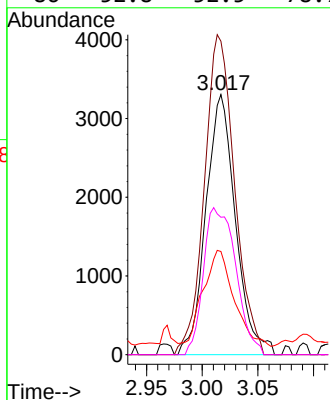
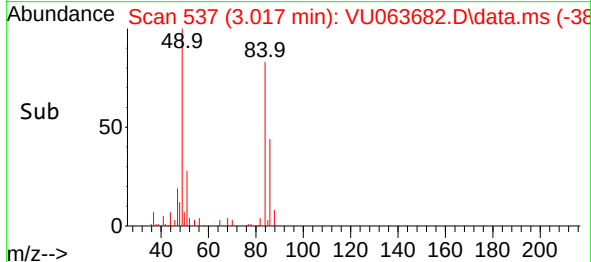
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 84 Resp: 611
Ion Ratio Lower Upper
84 100
49 120.5 103.4 155.0
51 35.6 0.0 81.6
86 52.8 52.5 78.7

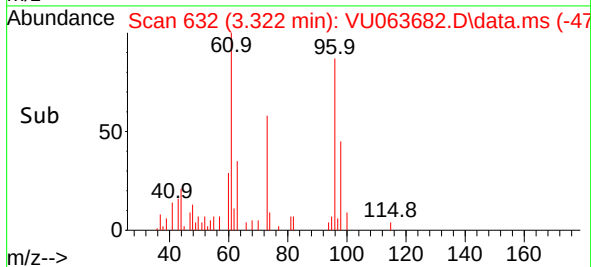
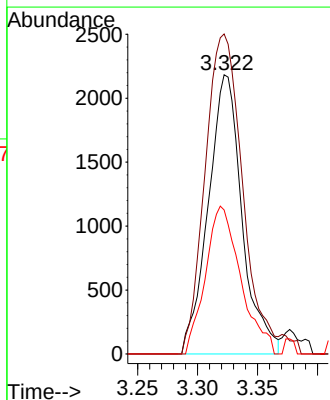
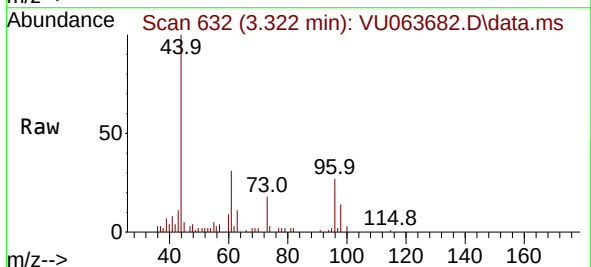
Manual Integrations
APPROVED

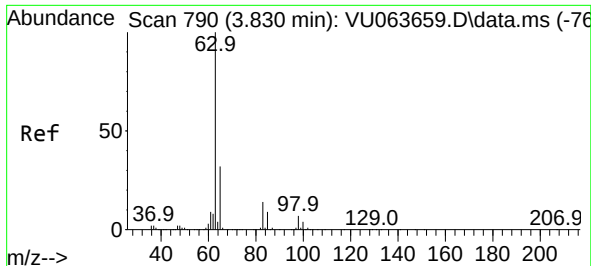
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#16
trans-1,2-Dichloroethene
Concen: 0.252 ug/l
RT: 3.322 min Scan# 632
Delta R.T. 0.006 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

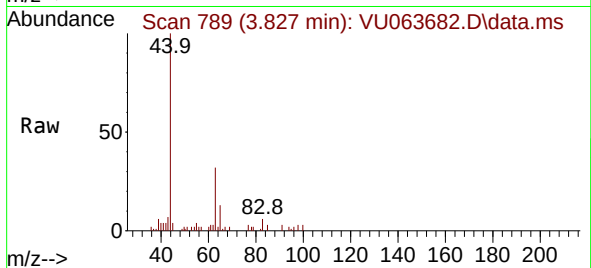
Tgt Ion: 96 Resp: 4282
Ion Ratio Lower Upper
96 100
61 114.6 117.4 176.2#
98 51.6 49.9 74.9





#17
1,1-Dichloroethane
Concen: 0.222 ug/l
RT: 3.827 min Scan# 790
Delta R.T. -0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

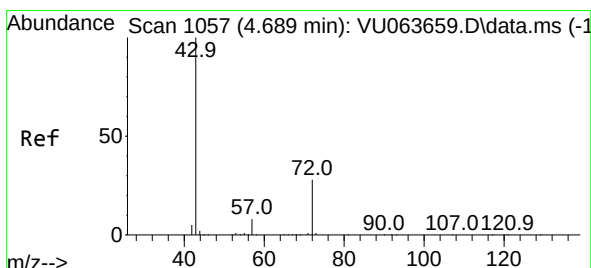
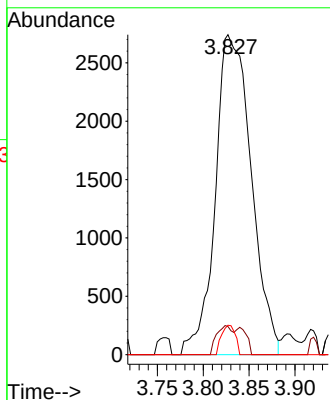
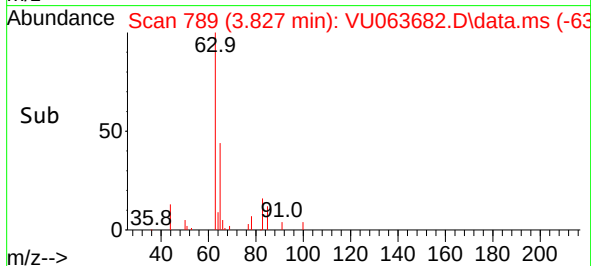
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 63 Resp: 7474
Ion Ratio Lower Upper
63 100
98 8.8 3.5 10.5
100 9.2 2.2 6.6

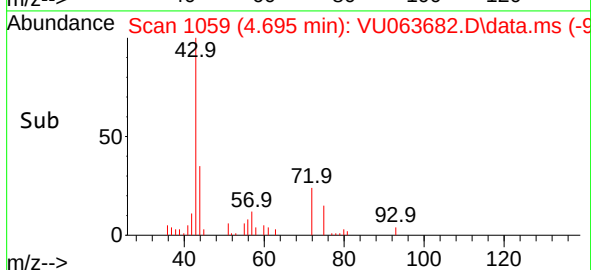
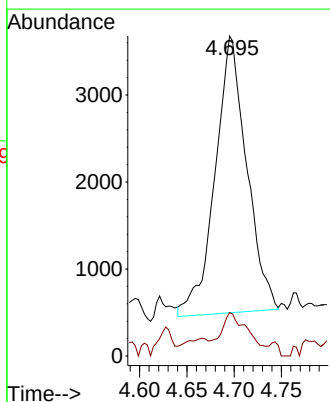
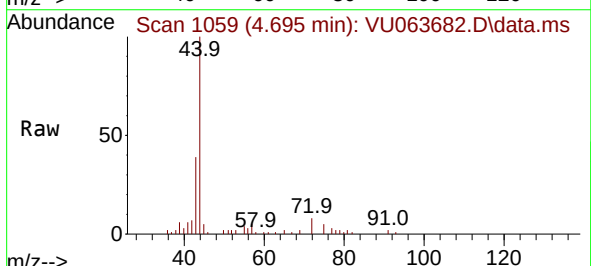
Manual Integrations
APPROVED

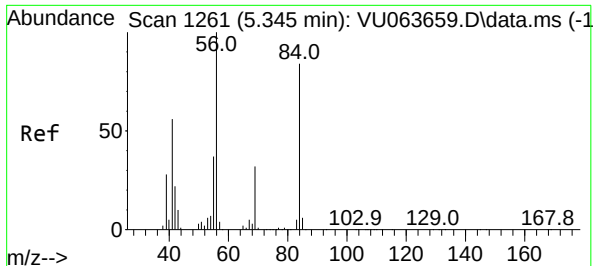
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#18
2-Butanone
Concen: 1.034 ug/l
RT: 4.695 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

Tgt Ion: 43 Resp: 7387
Ion Ratio Lower Upper
43 100
57 12.4 0.0 16.6





#19

Cyclohexane

Concen: 0.201 ug/l

RT: 5.345 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU063682.D

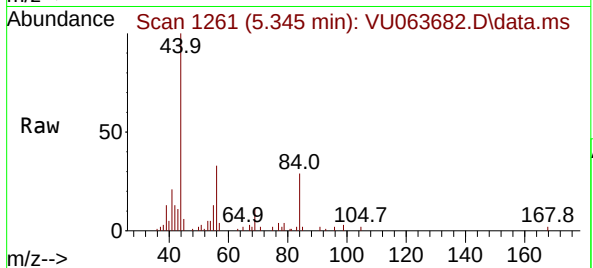
Acq: 07 Nov 2025 12:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025



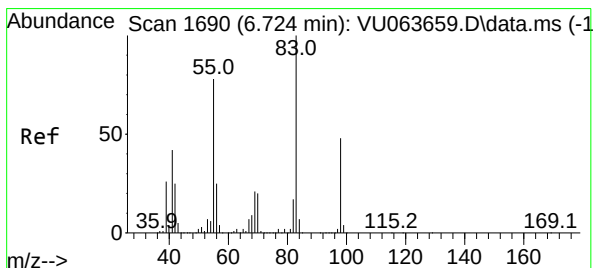
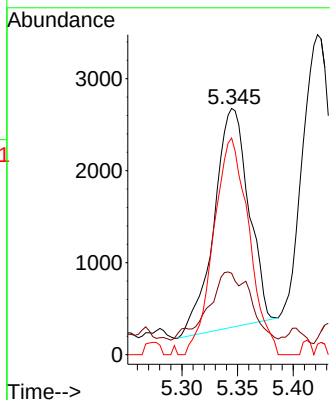
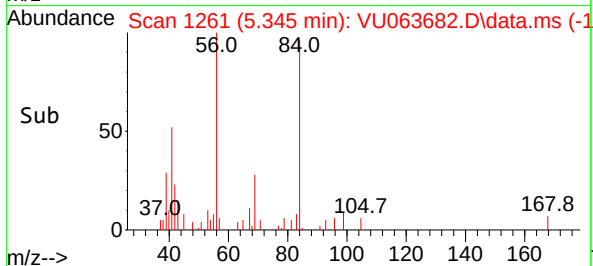
Tgt Ion:	56	Resp:	516
Ion Ratio	Lower	Upper	
56	100		
69	36.5	27.1	40.7
84	100.5	73.4	110.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#20

Methylcyclohexane

Concen: 0.193 ug/l

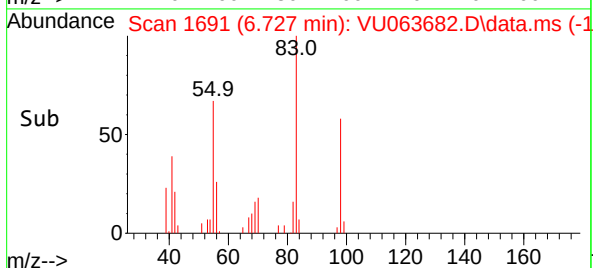
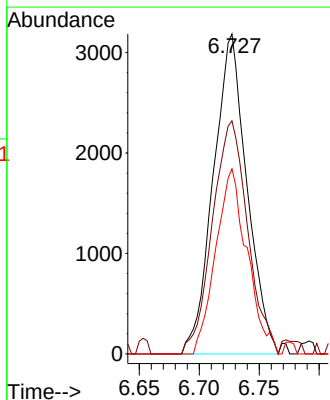
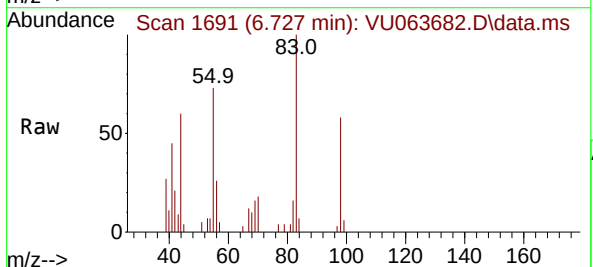
RT: 6.727 min Scan# 1691

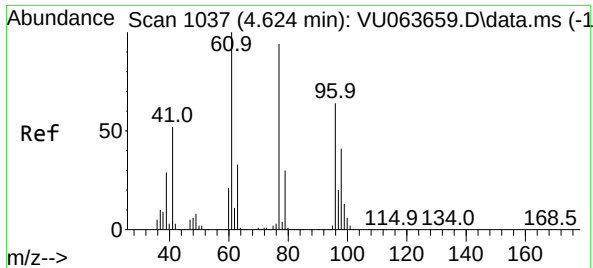
Delta R.T. 0.003 min

Lab File: VU063682.D

Acq: 07 Nov 2025 12:57

Tgt Ion:	83	Resp:	6198
Ion Ratio	Lower	Upper	
83	100		
55	76.6	61.5	92.3
98	54.2	37.9	56.9





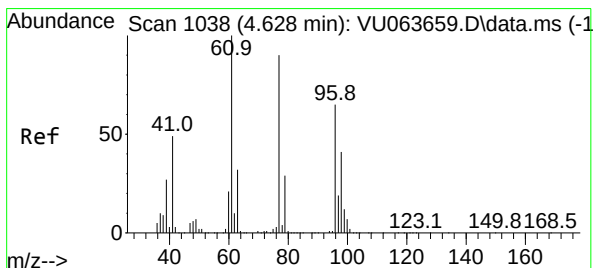
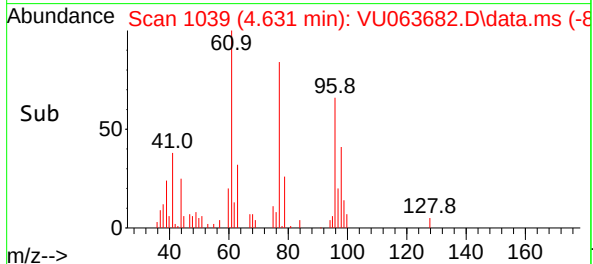
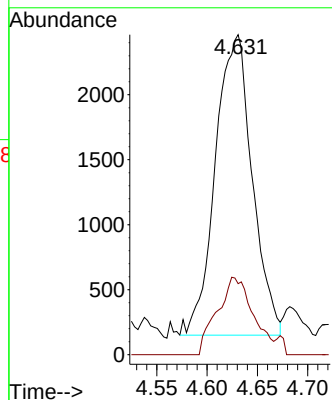
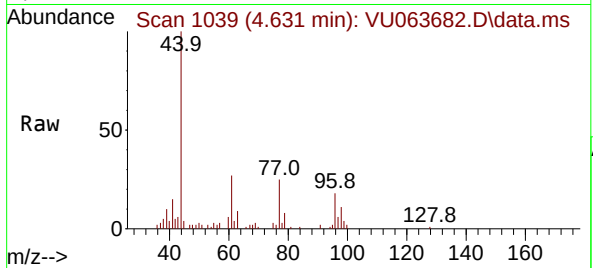
#21
2,2-Dichloropropane
Concen: 0.195 ug/l
RT: 4.631 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion: 77 Resp: 5890
Ion Ratio Lower Upper
77 100
97 25.1 17.1 25.7

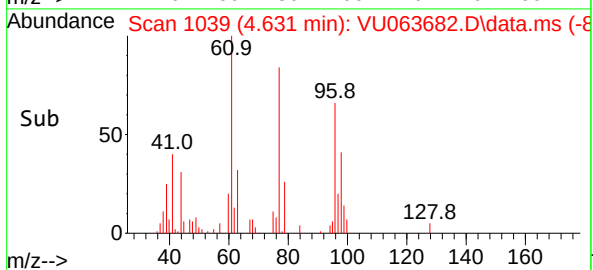
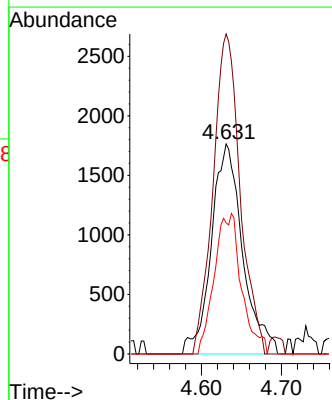
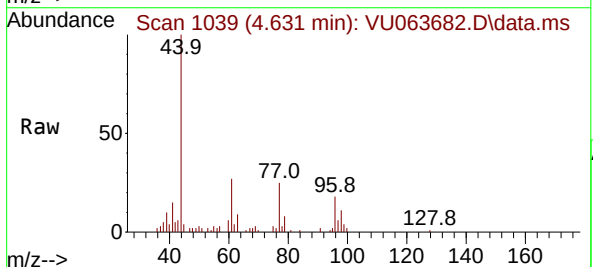
Manual Integrations
APPROVED

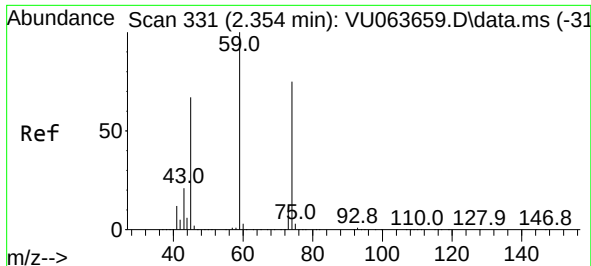
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#22
cis-1,2-Dichloroethene
Concen: 0.247 ug/l
RT: 4.631 min Scan# 1039
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

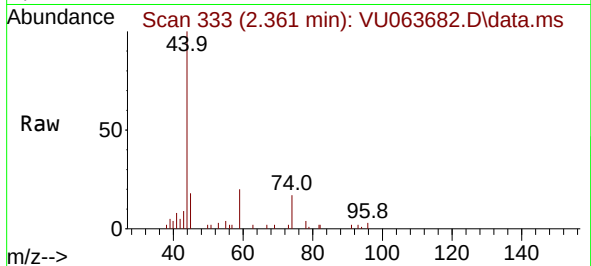
Tgt Ion: 96 Resp: 4777
Ion Ratio Lower Upper
96 100
61 132.7 0.0 385.0
98 32.4 31.3 93.9





#23
Diethyl Ether
Concen: 0.186 ug/l
RT: 2.361 min Scan# 311
Delta R.T. 0.006 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

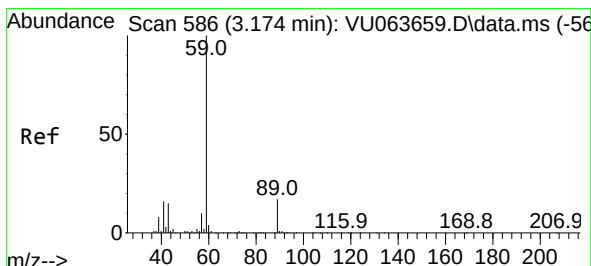
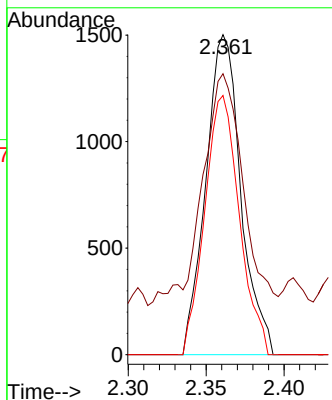
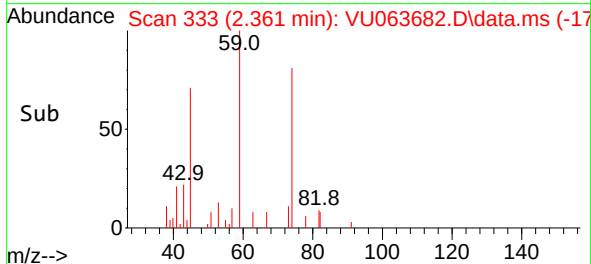
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 59 Resp: 2348
Ion Ratio Lower Upper
59 100
45 83.8 52.6 78.8
74 80.2 59.4 89.2

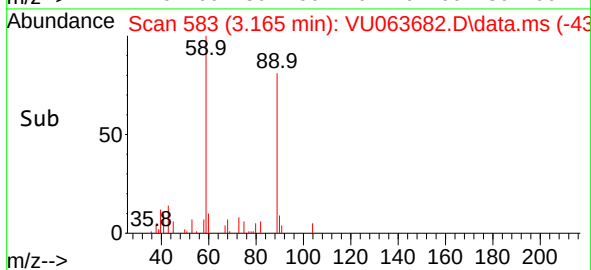
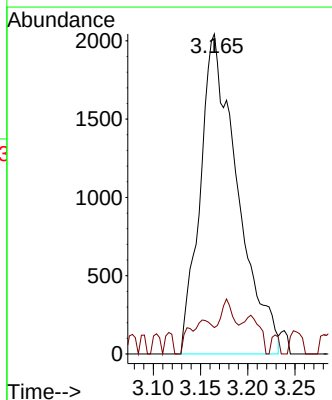
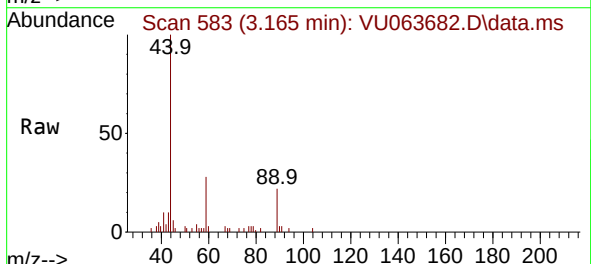
Manual Integrations
APPROVED

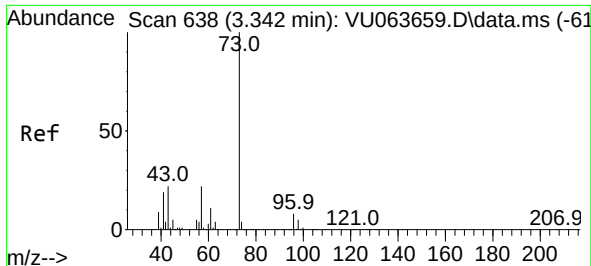
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#24
tert-Butyl Alcohol
Concen: 2.576 ug/l
RT: 3.165 min Scan# 583
Delta R.T. -0.010 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

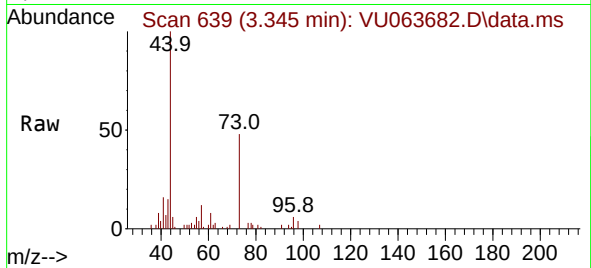
Tgt Ion: 59 Resp: 5609
Ion Ratio Lower Upper
59 100
57 2.3 7.2 10.8#





#25
Methyl tert-Butyl Ether
Concen: 0.203 ug/l
RT: 3.345 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

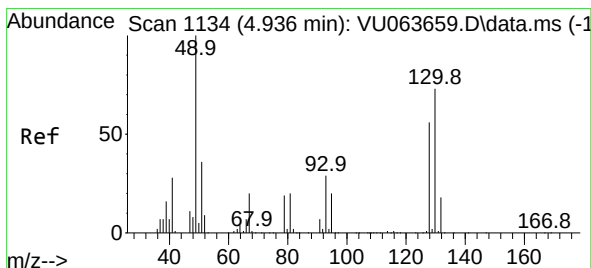
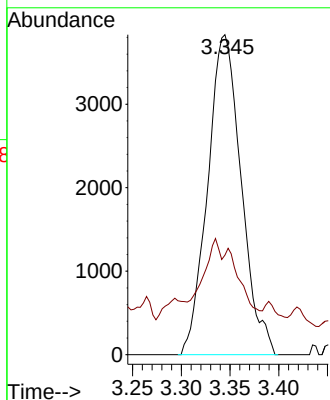
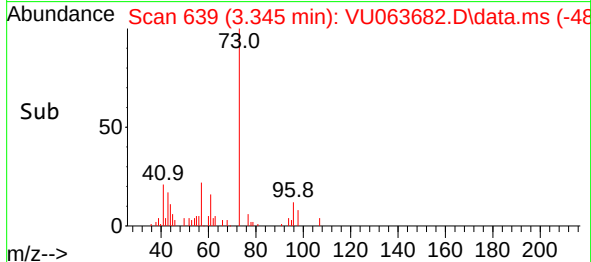
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 73 Resp: 918
Ion Ratio Lower Upper
73 100
43 8.9 17.4 26.0

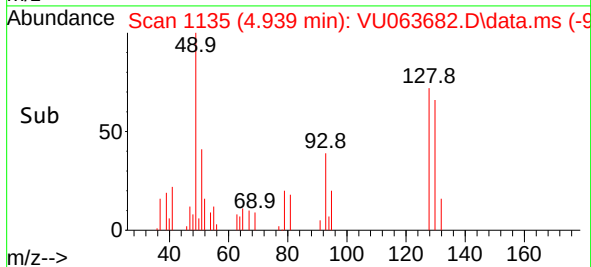
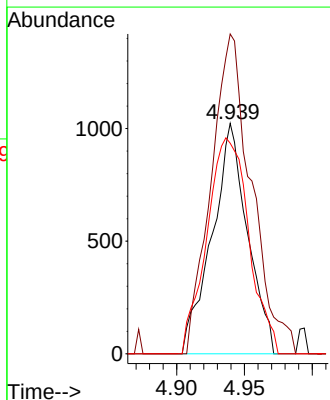
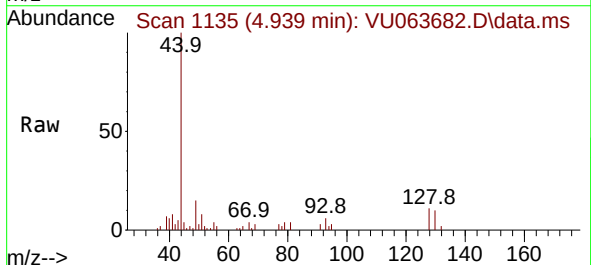
Manual Integrations
APPROVED

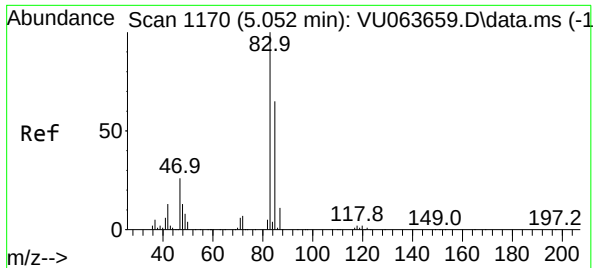
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#26
Bromochloromethane
Concen: 0.228 ug/l
RT: 4.939 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

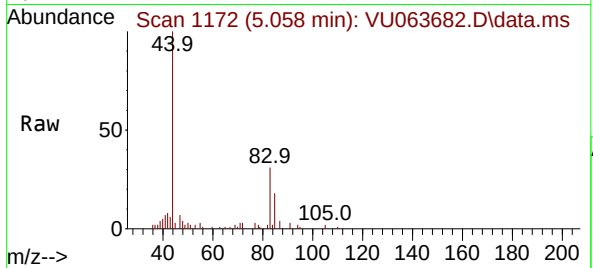
Tgt Ion:128 Resp: 1862
Ion Ratio Lower Upper
128 100
49 157.9 0.0 349.6
130 111.1 102.7 154.1





#27
Chloroform
Concen: 0.224 ug/l
RT: 5.058 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

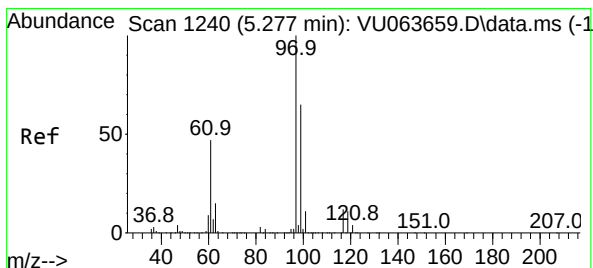
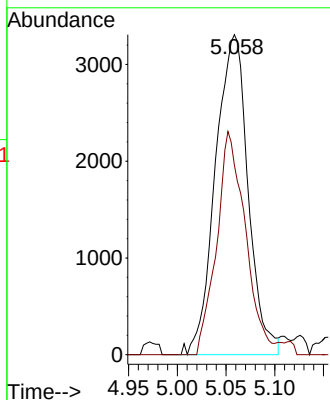
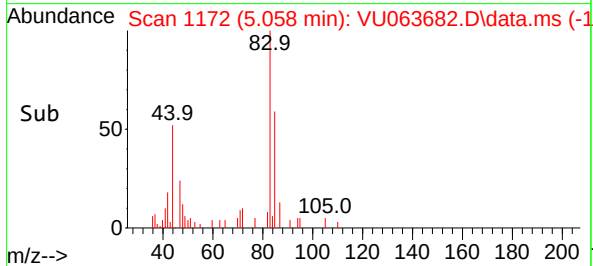
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



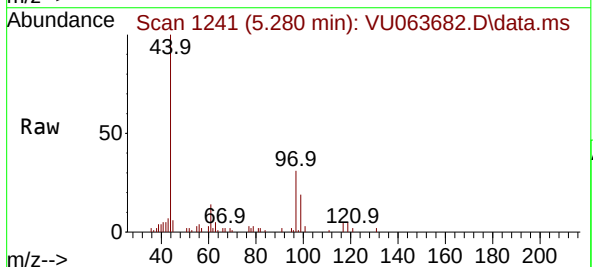
Tgt Ion: 83 Resp: 772
Ion Ratio Lower Upper
83 100
85 59.3 0.0 130.8

Manual Integrations
APPROVED

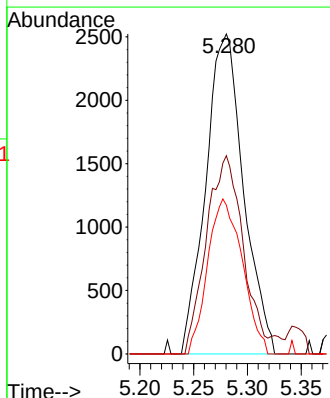
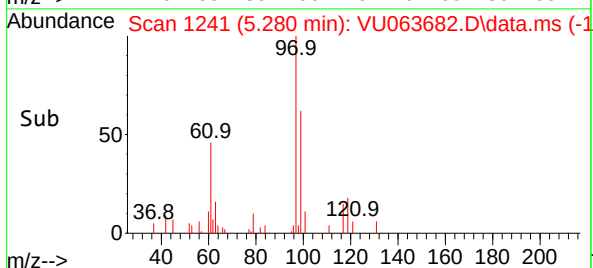
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

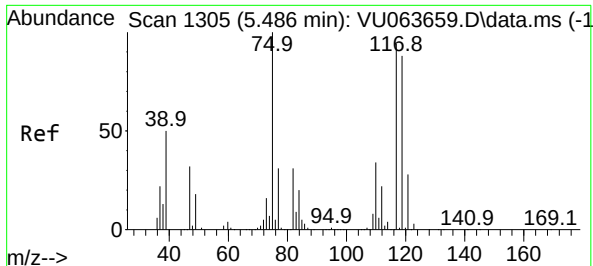


#28
1,1,1-Trichloroethane
Concen: 0.203 ug/l
RT: 5.280 min Scan# 1241
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57



Tgt Ion: 97 Resp: 6158
Ion Ratio Lower Upper
97 100
99 60.3 32.3 96.8
61 44.5 23.3 69.8





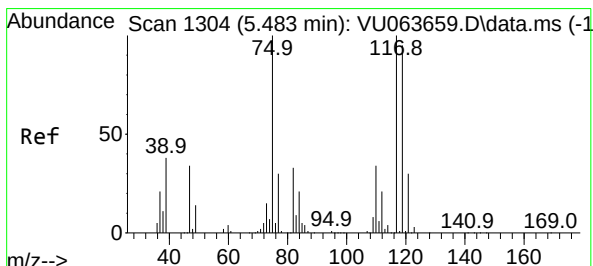
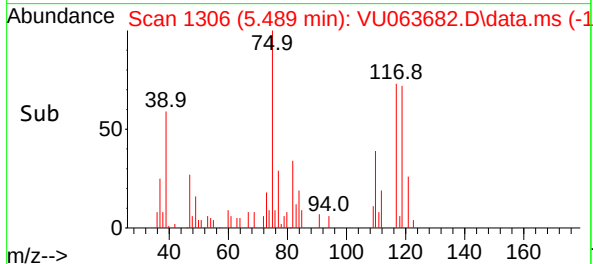
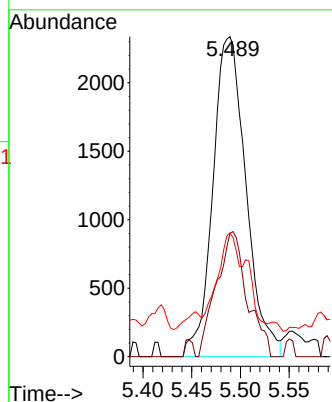
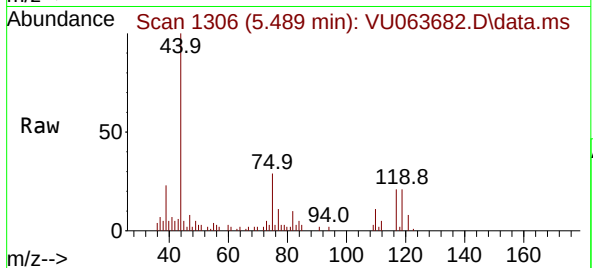
#29
1,1-Dichloropropene
Concen: 0.217 ug/l
RT: 5.489 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion: 75 Resp: 5530
Ion Ratio Lower Upper
75 100
110 36.3 17.2 51.5
77 16.5 24.5 36.7

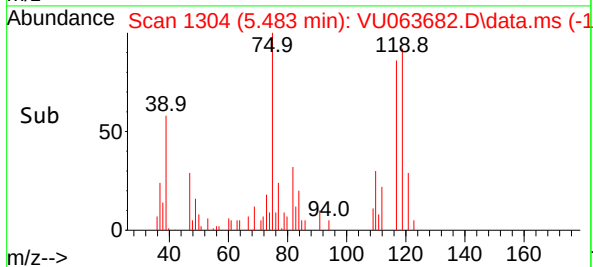
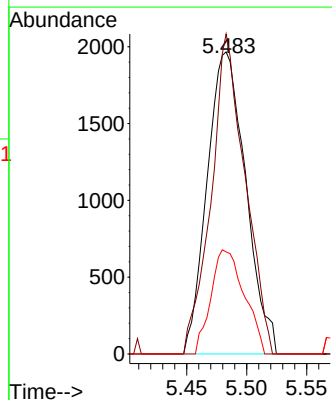
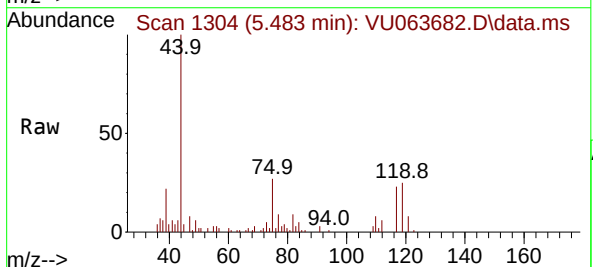
Manual Integrations
APPROVED

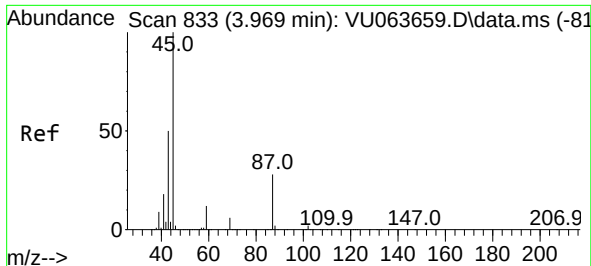
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#30
Carbon Tetrachloride
Concen: 0.183 ug/l
RT: 5.483 min Scan# 1304
Delta R.T. -0.000 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

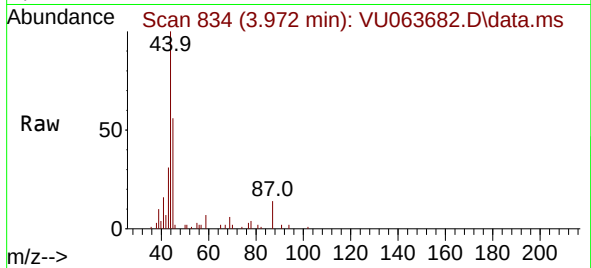
Tgt Ion:117 Resp: 4405
Ion Ratio Lower Upper
117 100
119 106.0 75.7 113.5
121 33.8 23.8 35.6





#31
Isopropyl Ether
Concen: 0.198 ug/l
RT: 3.972 min Scan# 81
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

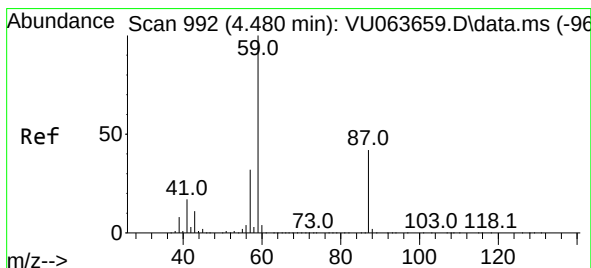
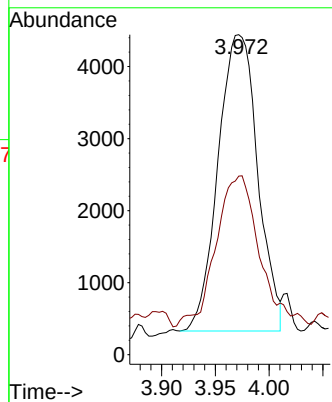
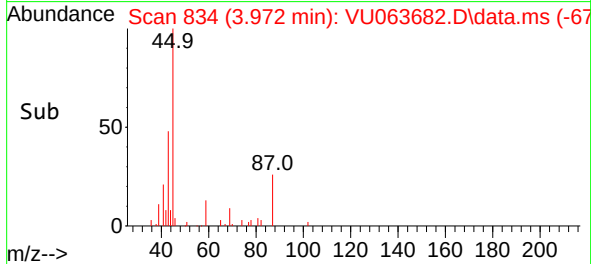
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 45 Resp: 1056
Ion Ratio Lower Upper
45 100
43 56.2 25.3 75.9

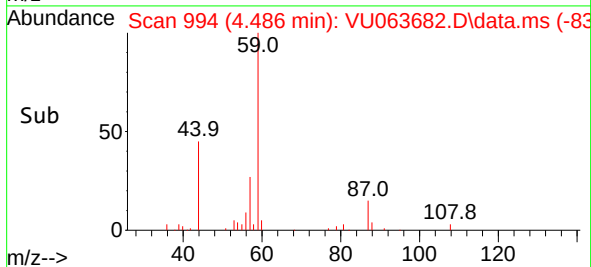
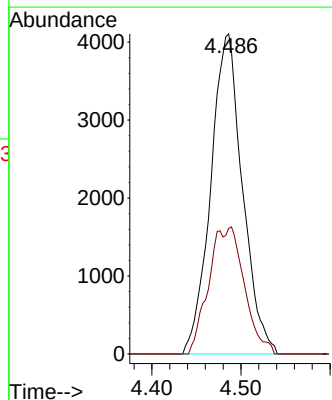
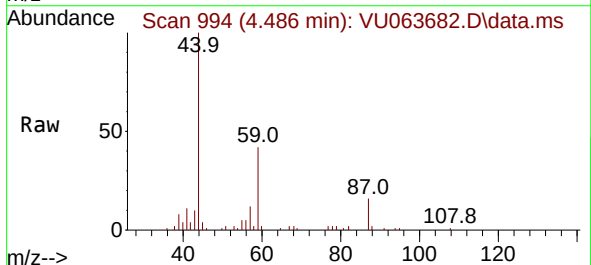
Manual Integrations
APPROVED

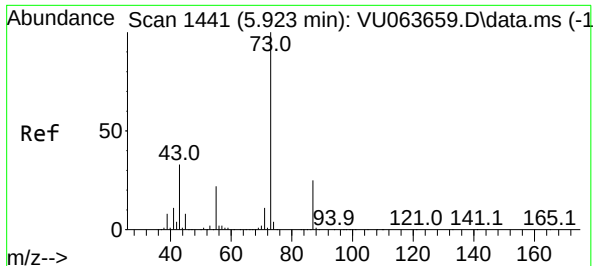
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#32
Ethyl-t-butyl ether
Concen: 0.198 ug/l
RT: 4.486 min Scan# 994
Delta R.T. 0.006 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

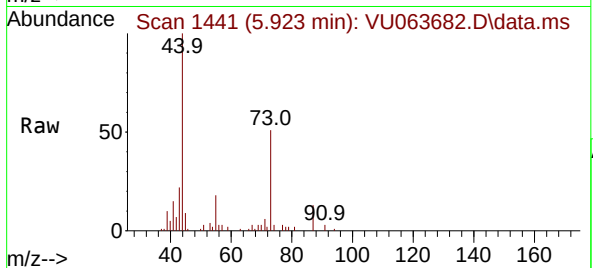
Tgt Ion: 59 Resp: 10159
Ion Ratio Lower Upper
59 100
87 19.8 33.0 49.6#





#33
Tert-Amyl methyl ether
Concen: 0.195 ug/l
RT: 5.923 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

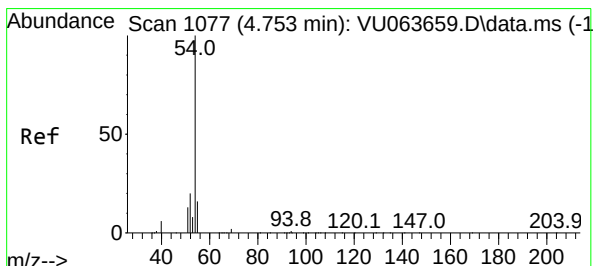
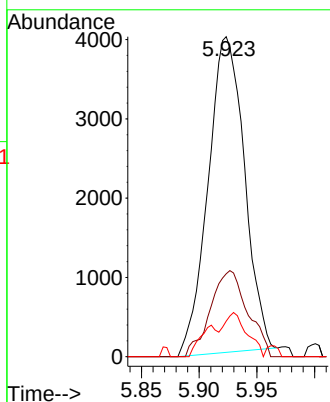
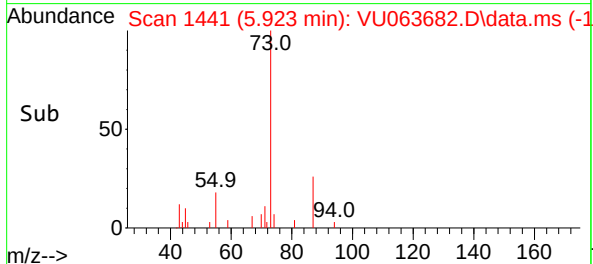
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



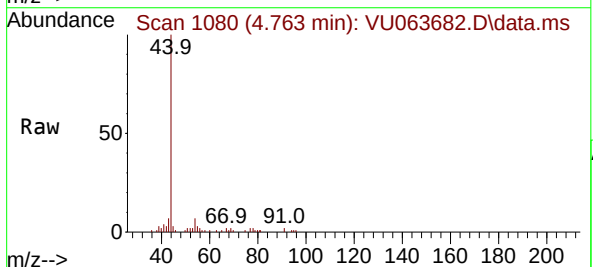
Tgt Ion: 73 Resp: 872
Ion Ratio Lower Upper
73 100
87 27.9 20.0 30.0
71 8.8 9.0 13.4

Manual Integrations
APPROVED

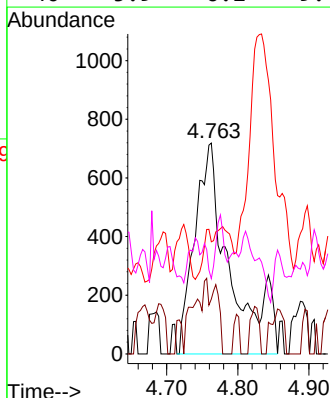
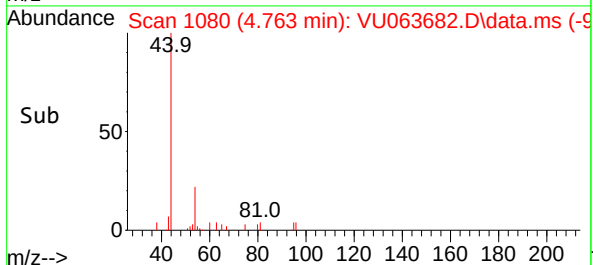
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

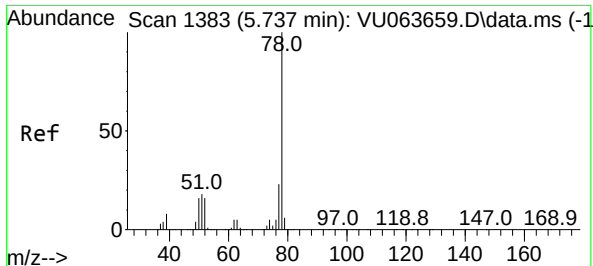


#34
Propionitrile
Concen: 1.765 ug/l m
RT: 4.763 min Scan# 1080
Delta R.T. 0.010 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57



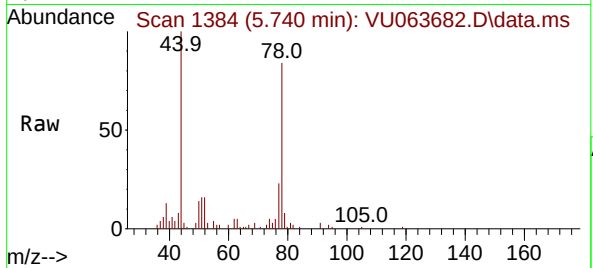
Tgt Ion: 54 Resp: 2464
Ion Ratio Lower Upper
54 100
52 15.3 15.8 23.6#
55 5.3 11.3 16.9#
40 5.9 6.2 9.4#





#35
Benzene
Concen: 0.191 ug/l
RT: 5.740 min Scan# 1383
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

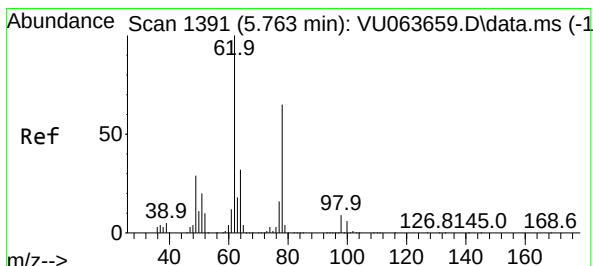
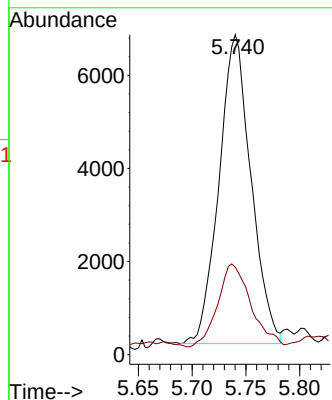
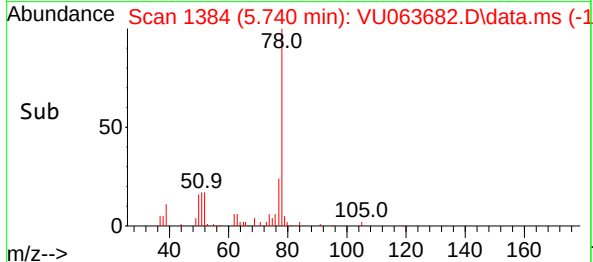
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion: 78 Resp: 13719
Ion Ratio Lower Upper
78 100
77 25.1 18.3 27.5

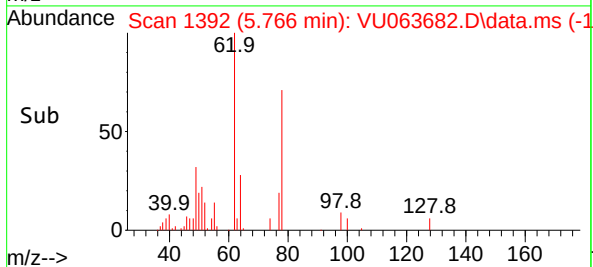
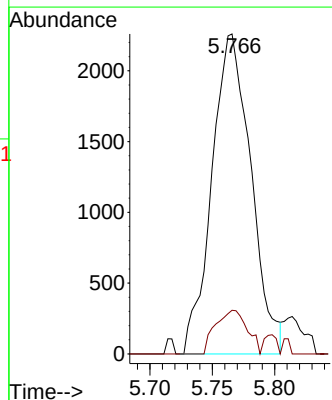
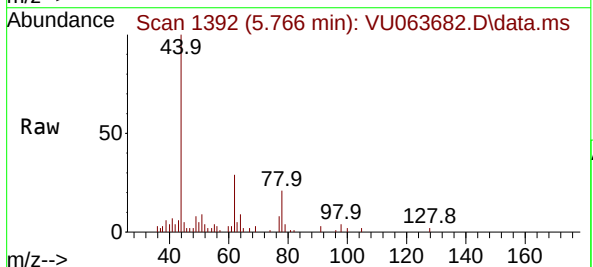
Manual Integrations
APPROVED

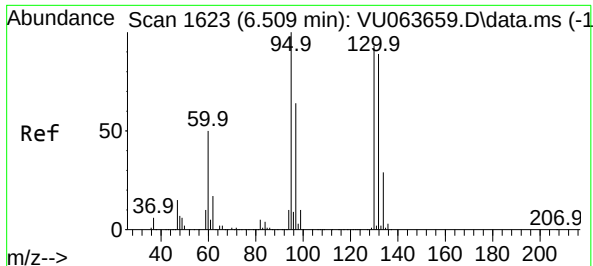
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#36
1,2-Dichloroethane
Concen: 0.214 ug/l
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

Tgt Ion: 62 Resp: 4933
Ion Ratio Lower Upper
62 100
98 11.0 6.8 10.2#





#37

Trichloroethene

Concen: 0.198 ug/l

RT: 6.509 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063682.D

Acq: 07 Nov 2025 12:57

Instrument :

MSVOA_U

ClientSampleId :

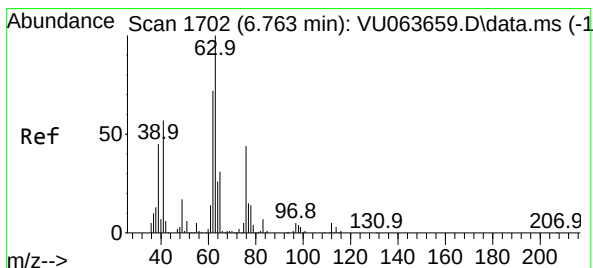
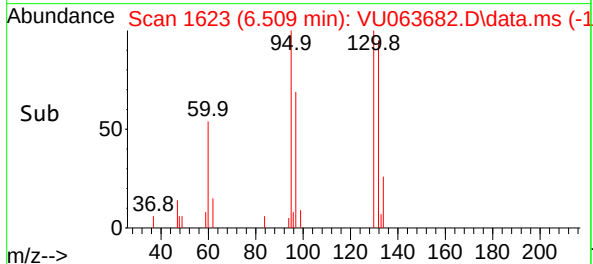
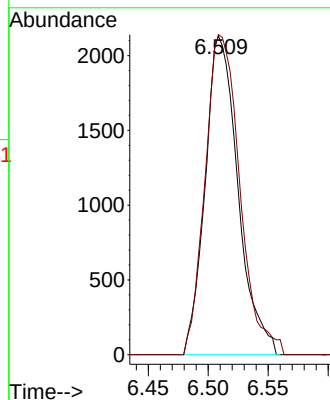
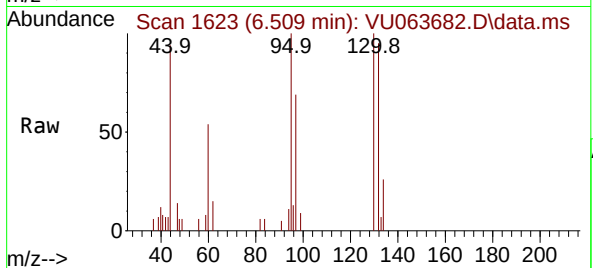
MDL-WATER-03-QT4-2025

Tgt Ion:130 Resp: 405
 Ion Ratio Lower Upper
 130 100
 95 100.4 86.0 129.0

Manual Integrations

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Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025



#38

1,2-Dichloropropane

Concen: 0.184 ug/l

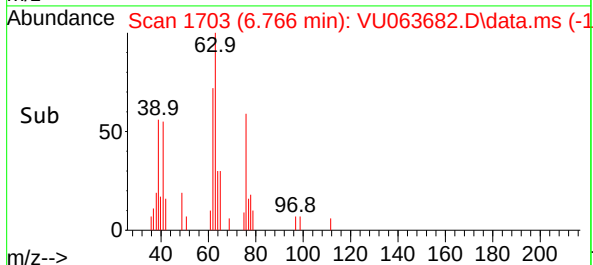
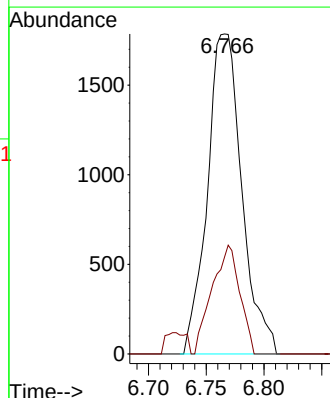
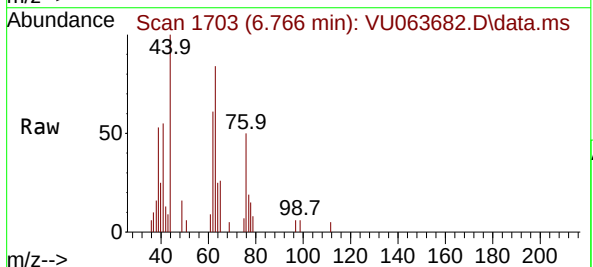
RT: 6.766 min Scan# 1703

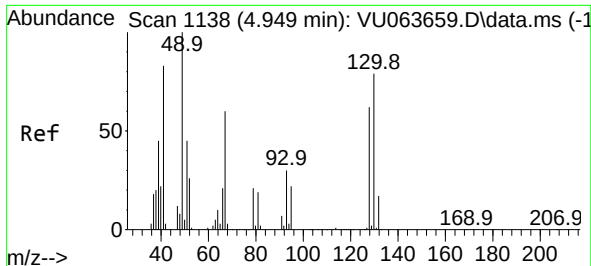
Delta R.T. 0.003 min

Lab File: VU063682.D

Acq: 07 Nov 2025 12:57

Tgt Ion: 63 Resp: 3708
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.5 36.7





#39

Methacrylonitrile

Concen: 0.393 ug/l m

RT: 4.968 min Scan# 1138

Delta R.T. 0.019 min

Lab File: VU063682.D

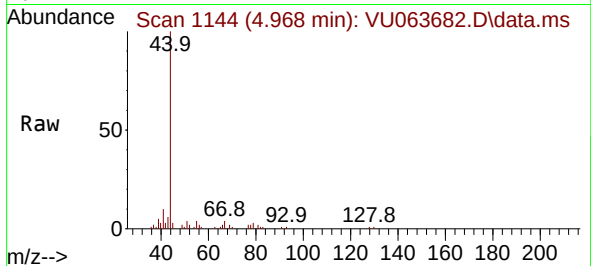
Acq: 07 Nov 2025 12:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025



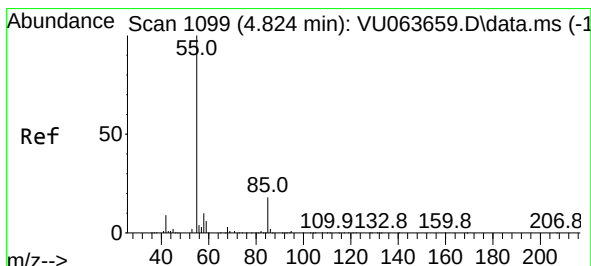
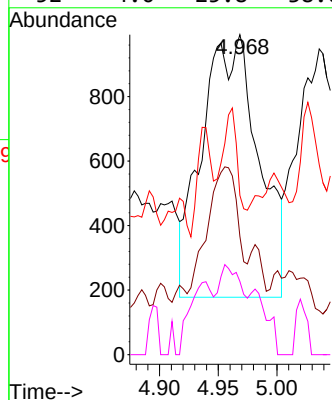
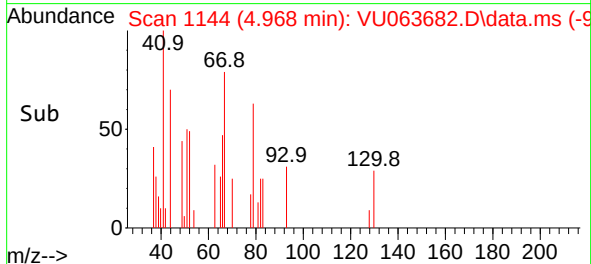
Tgt Ion:	41	Resp:	2734
Ion	Ratio	Lower	Upper
41	100		
67	26.9	61.4	92.2#
39	9.9	46.5	69.7#
52	4.0	25.8	38.6#

Manual Integrations

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Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#40

Methyl acrylate

Concen: 0.194 ug/l

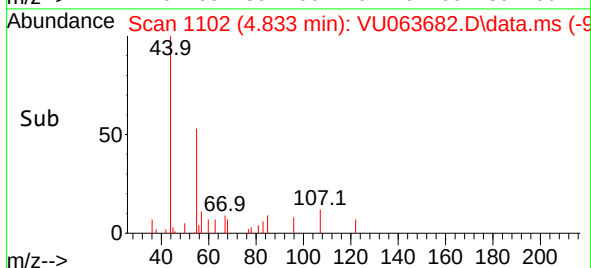
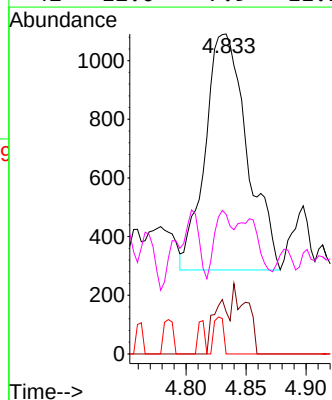
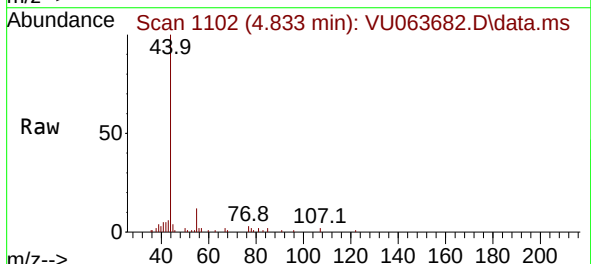
RT: 4.833 min Scan# 1102

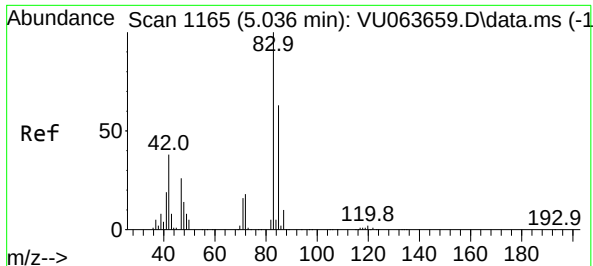
Delta R.T. 0.010 min

Lab File: VU063682.D

Acq: 07 Nov 2025 12:57

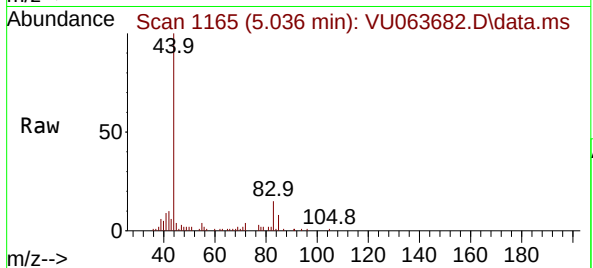
Tgt Ion:	55	Resp:	1962
Ion	Ratio	Lower	Upper
55	100		
85	8.6	15.3	22.9#
58	3.5	7.7	11.5#
42	12.0	7.9	11.9#





#41
Tetrahydrofuran
Concen: 1.022 ug/l m
RT: 5.036 min Scan# 1165
Delta R.T. -0.000 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

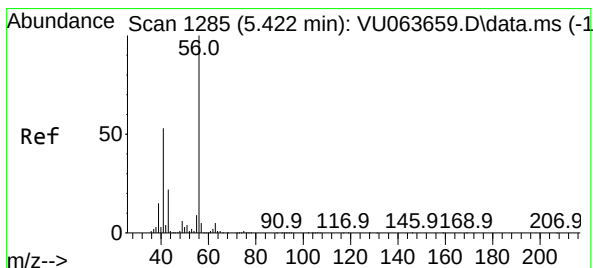
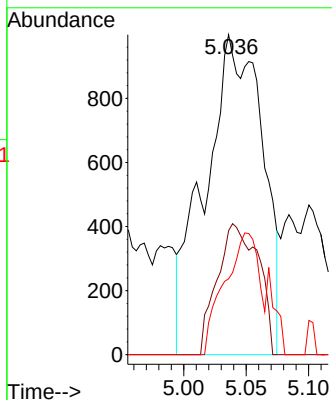
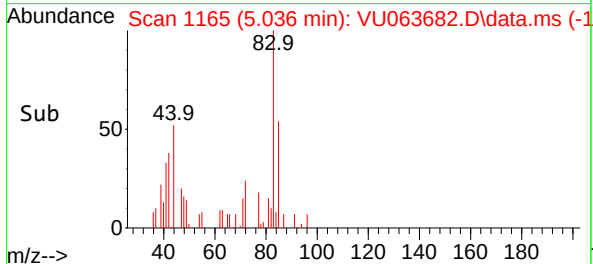
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



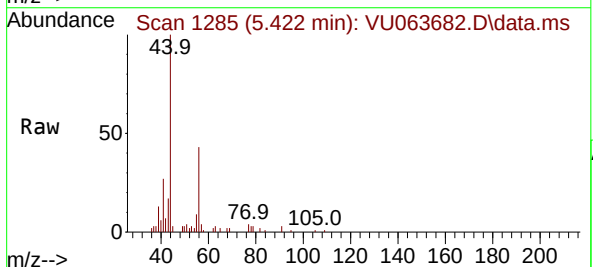
Tgt Ion: 42 Resp: 3190
Ion Ratio Lower Upper
42 100
72 29.3 40.5 60.7
71 22.8 35.0 52.6

Manual Integrations
APPROVED

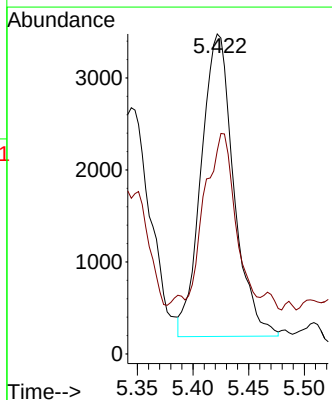
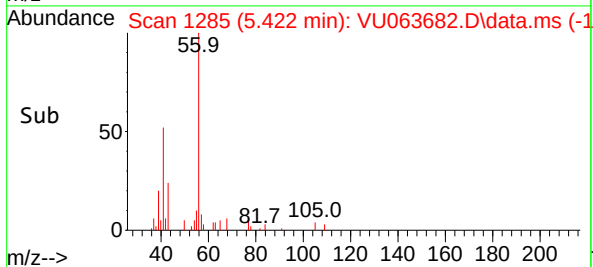
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

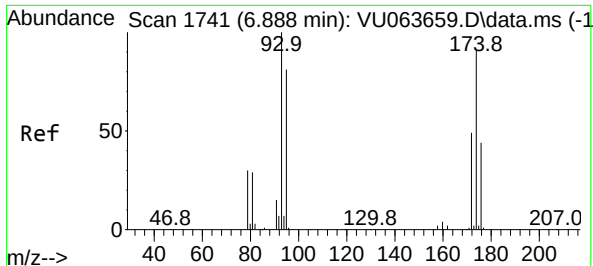


#42
1-Chlorobutane
Concen: 0.196 ug/l
RT: 5.422 min Scan# 1285
Delta R.T. -0.000 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57



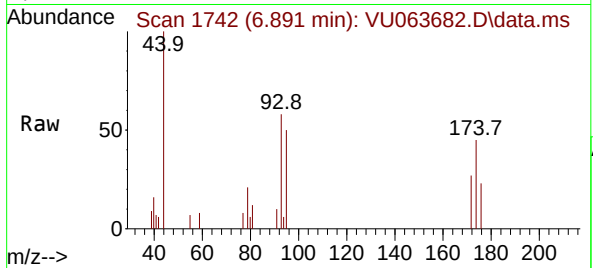
Tgt Ion: 56 Resp: 6699
Ion Ratio Lower Upper
56 100
41 50.2 25.9 77.6





#43
Dibromomethane
Concen: 0.206 ug/l
RT: 6.891 min Scan# 1741
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

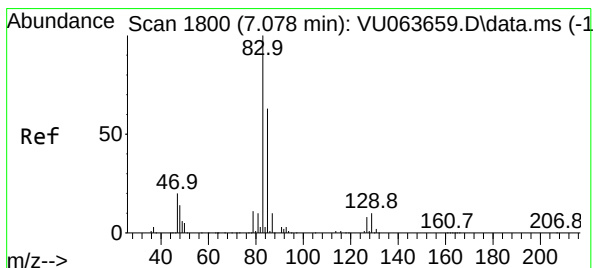
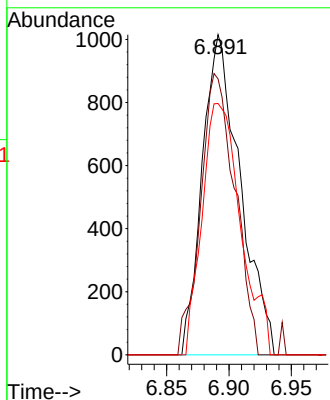
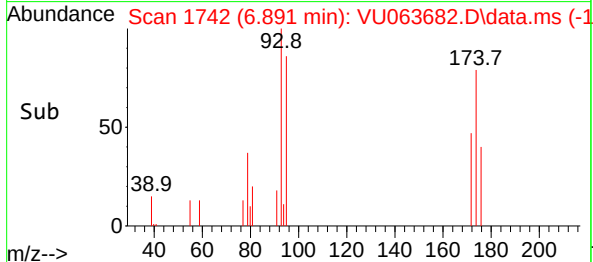
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



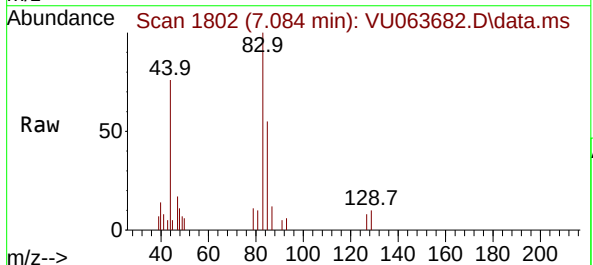
Tgt Ion: 93 Resp: 2140
Ion Ratio Lower Upper
93 100
95 80.0 64.6 97.0
174 80.2 73.8 110.8

Manual Integrations
APPROVED

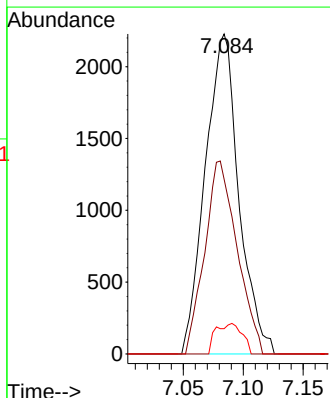
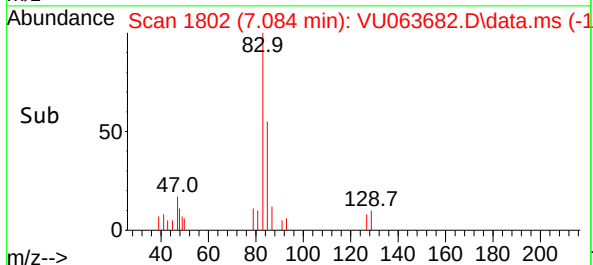
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

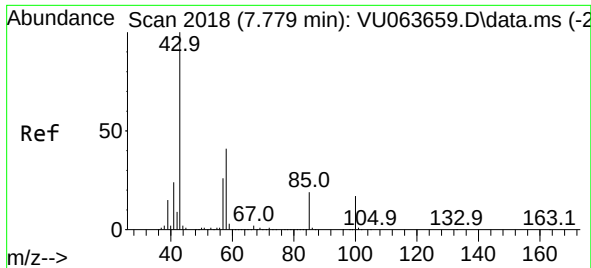


#44
Bromodichloromethane
Concen: 0.170 ug/l
RT: 7.084 min Scan# 1802
Delta R.T. 0.006 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57



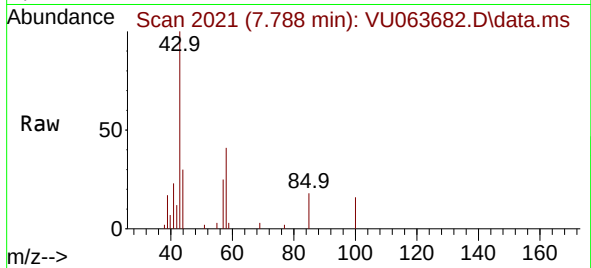
Tgt Ion: 83 Resp: 4332
Ion Ratio Lower Upper
83 100
85 54.6 50.5 75.7
127 7.9 6.4 9.6





#45
4-Methyl-2-Pentanone
Concen: 0.982 ug/l
RT: 7.788 min Scan# 2018
Delta R.T. 0.010 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

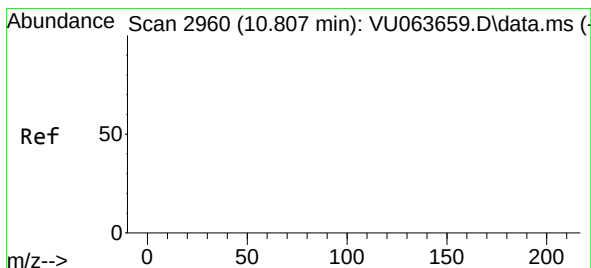
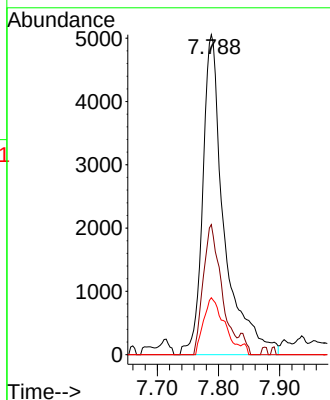
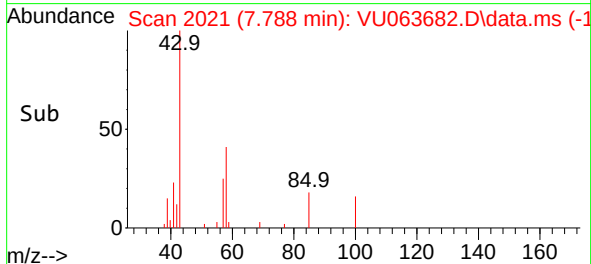
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 43 Resp: 1232
Ion Ratio Lower Upper
43 100
58 34.6 20.2 60.5
85 17.2 15.0 22.6

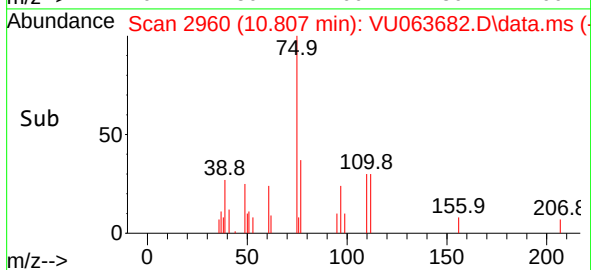
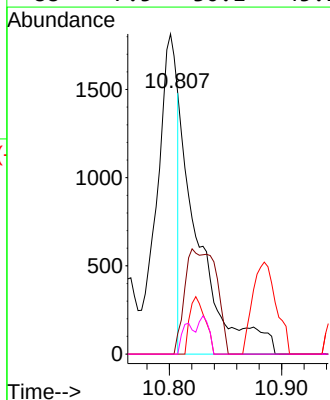
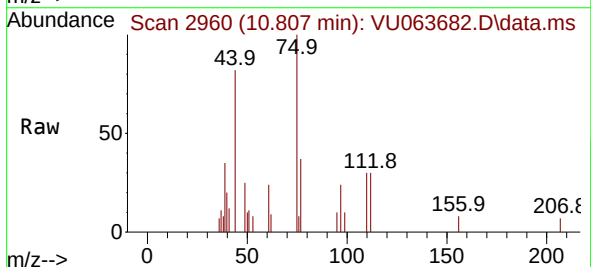
Manual Integrations
APPROVED

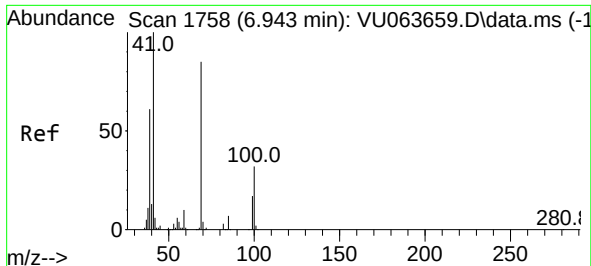
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#46
t-1,4-Dichloro-2-butene
Concen: 0.423 ug/l m
RT: 10.807 min Scan# 2960
Delta R.T. -0.000 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

Tgt Ion: 75 Resp: 1841
Ion Ratio Lower Upper
75 100
53 63.1 57.2 85.8
89 16.9 37.9 56.9#
88 7.5 30.1 45.1#





#47

Methyl methacrylate

Concen: 0.332 ug/l

RT: 6.955 min Scan# 1758

Delta R.T. 0.013 min

Lab File: VU063682.D

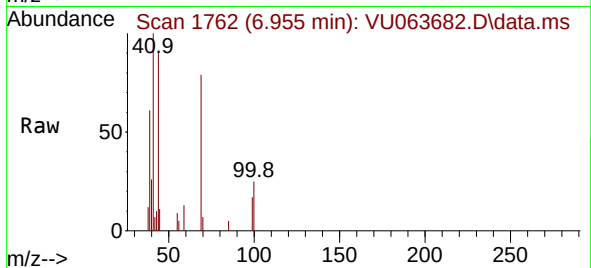
Acq: 07 Nov 2025 12:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025



Tgt Ion: 69 Resp: 3178

Ion Ratio Lower Upper

69 100

41 111.9 0.0 228.2

39 82.9 56.2 84.4

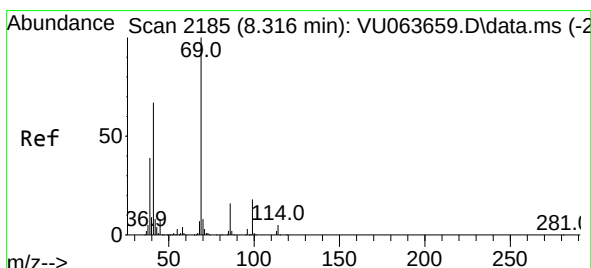
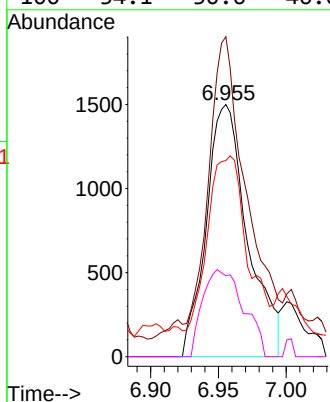
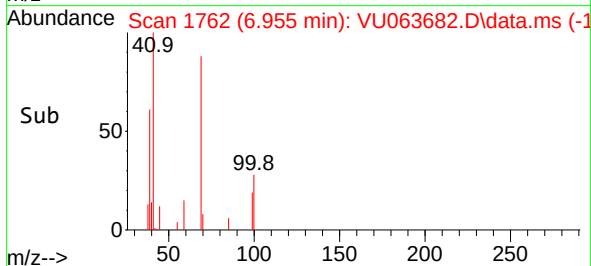
100 34.1 30.6 46.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#48

Ethyl methacrylate

Concen: 0.185 ug/l m

RT: 8.325 min Scan# 2188

Delta R.T. 0.010 min

Lab File: VU063682.D

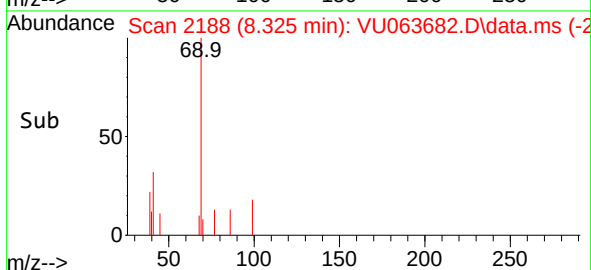
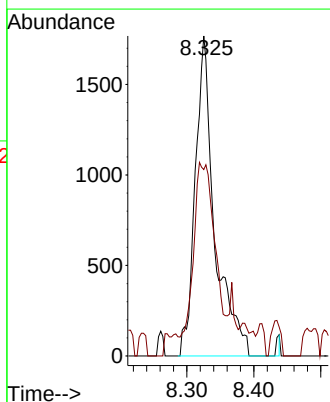
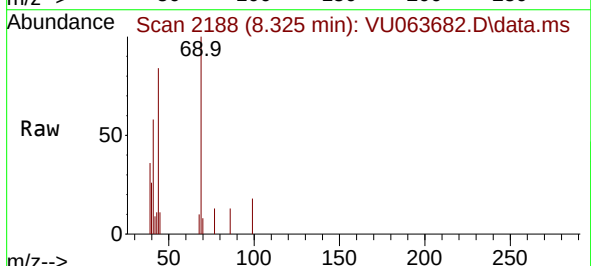
Acq: 07 Nov 2025 12:57

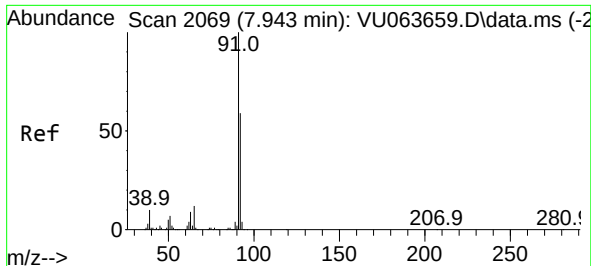
Tgt Ion: 69 Resp: 3598

Ion Ratio Lower Upper

69 100

41 58.1 32.8 98.3





#49

Toluene

Concen: 0.182 ug/l

RT: 7.946 min Scan# 2069

Delta R.T. 0.003 min

Lab File: VU063682.D

Acq: 07 Nov 2025 12:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 92 Resp: 882

Ion Ratio Lower Upper

92 100

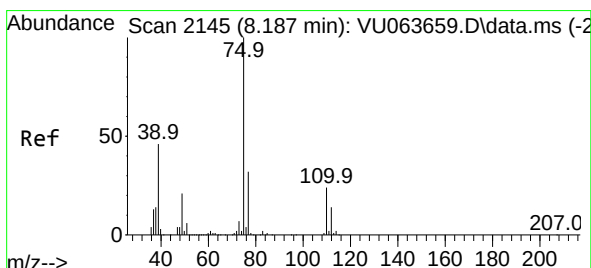
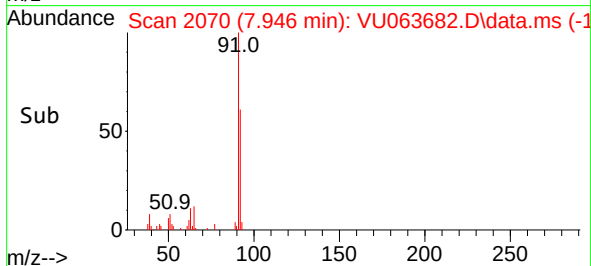
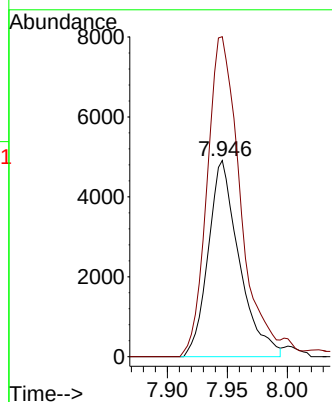
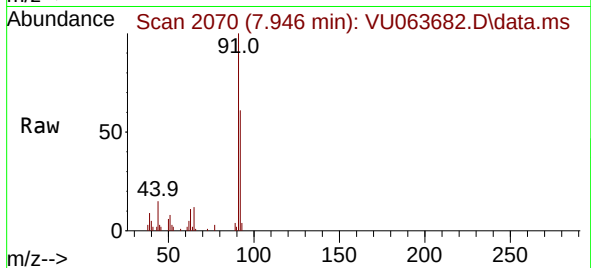
91 173.7 136.8 205.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#50

t-1,3-Dichloropropene

Concen: 0.156 ug/l

RT: 8.193 min Scan# 2147

Delta R.T. 0.006 min

Lab File: VU063682.D

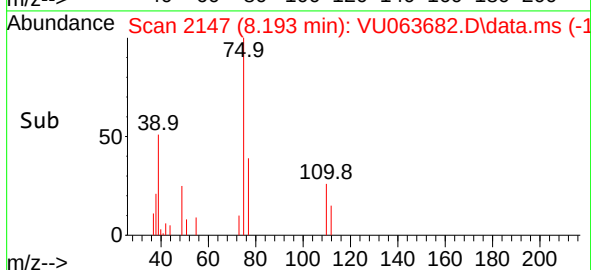
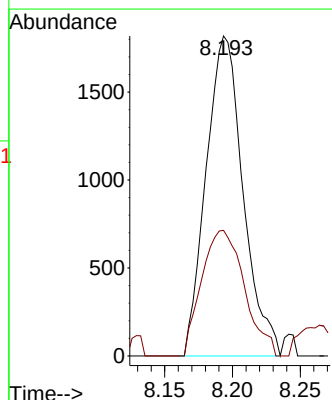
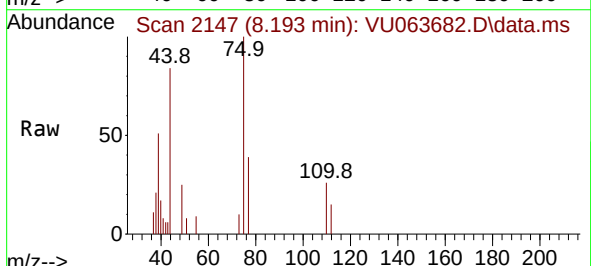
Acq: 07 Nov 2025 12:57

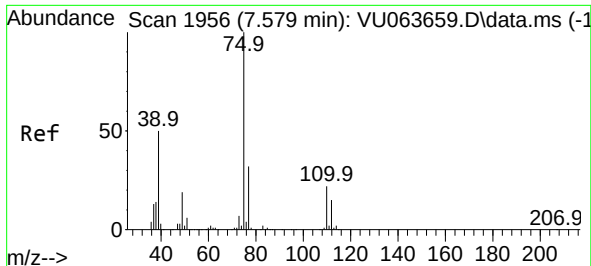
Tgt Ion: 75 Resp: 3452

Ion Ratio Lower Upper

75 100

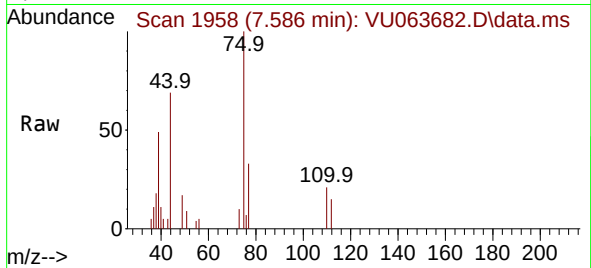
77 39.3 25.8 38.6#





#51
cis-1,3-Dichloropropene
Concen: 0.163 ug/l
RT: 7.586 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

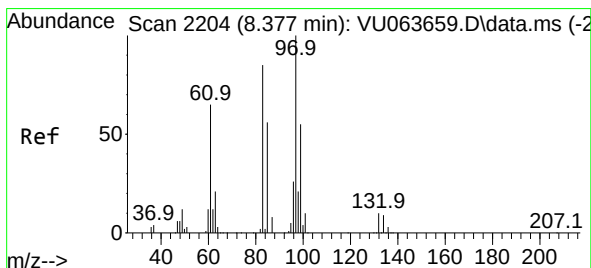
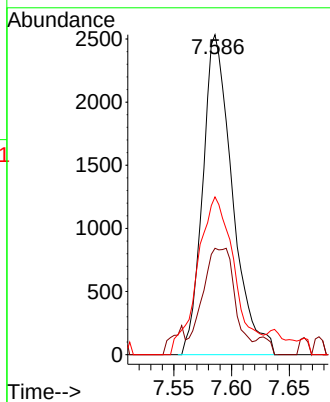
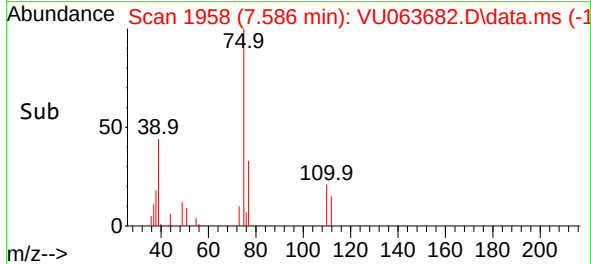
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion: 75 Resp: 452
Ion Ratio Lower Upper
75 100
77 33.3 25.5 38.3
39 43.0 39.9 59.9

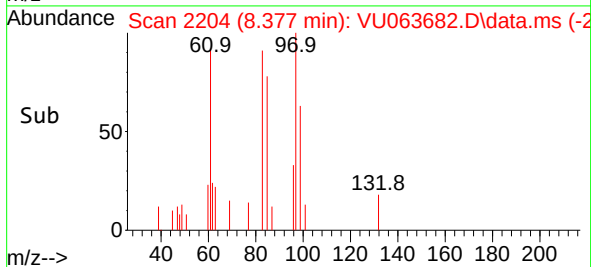
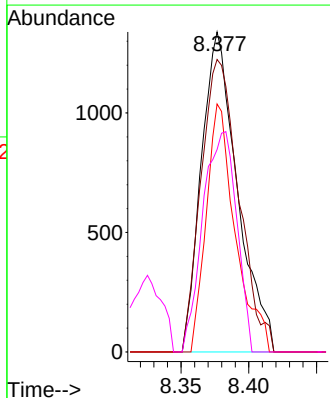
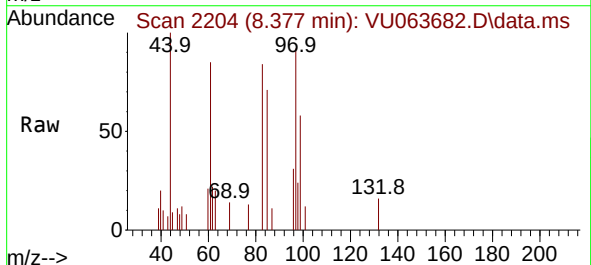
Manual Integrations
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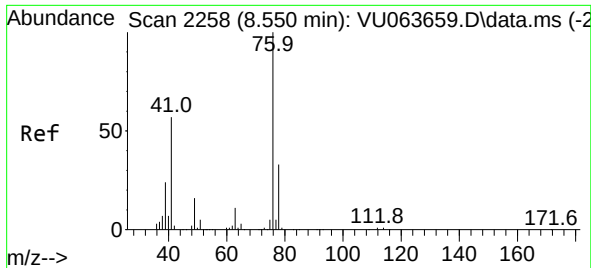
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#52
1,1,2-Trichloroethane
Concen: 0.175 ug/l
RT: 8.377 min Scan# 2204
Delta R.T. -0.000 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

Tgt Ion: 97 Resp: 2474
Ion Ratio Lower Upper
97 100
83 91.4 68.3 102.5
85 77.5 45.3 67.9#
99 63.3 49.7 74.5





#53

1,3-Dichloropropane

Concen: 0.191 ug/l

RT: 8.557 min Scan# 2258

Delta R.T. 0.006 min

Lab File: VU063682.D

Acq: 07 Nov 2025 12:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 76 Resp: 483

Ion Ratio Lower Upper

76 100

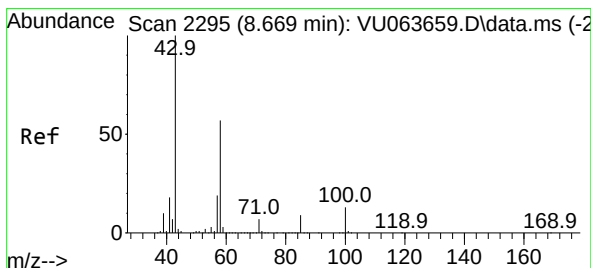
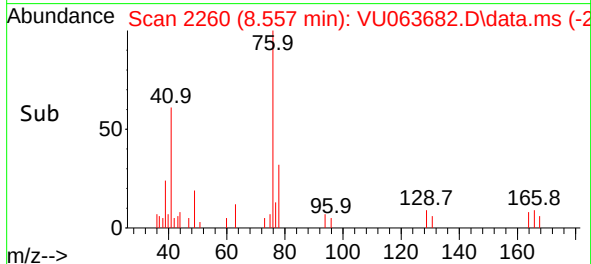
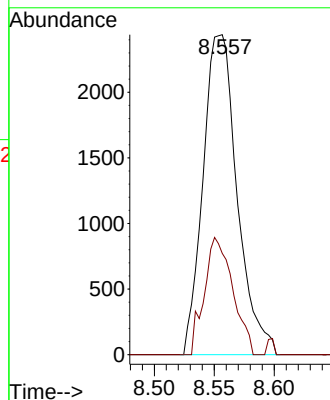
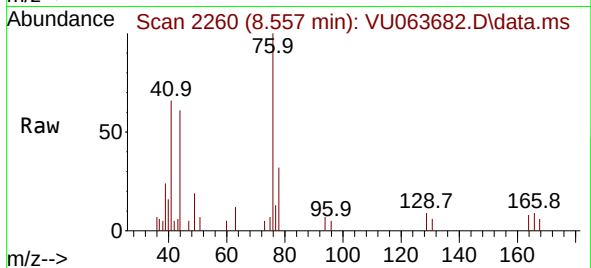
78 30.5 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#54

2-Hexanone

Concen: 0.914 ug/l

RT: 8.682 min Scan# 2299

Delta R.T. 0.013 min

Lab File: VU063682.D

Acq: 07 Nov 2025 12:57

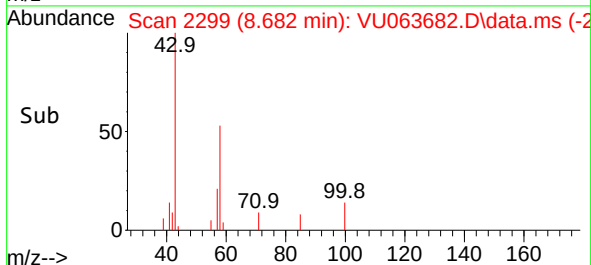
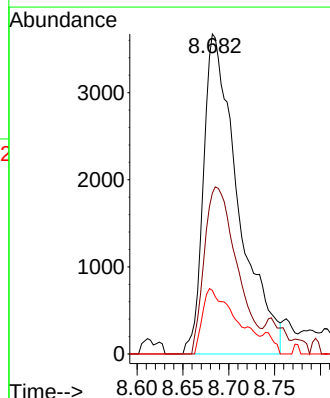
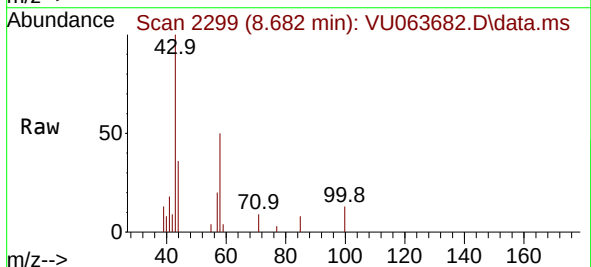
Tgt Ion: 43 Resp: 9689

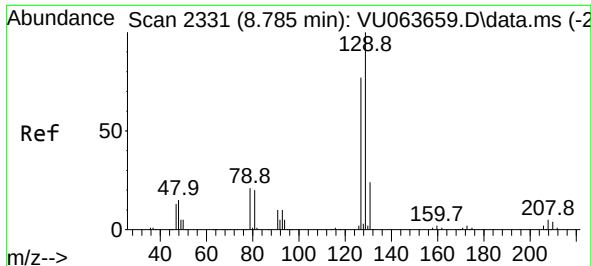
Ion Ratio Lower Upper

43 100

58 49.2 36.3 76.3

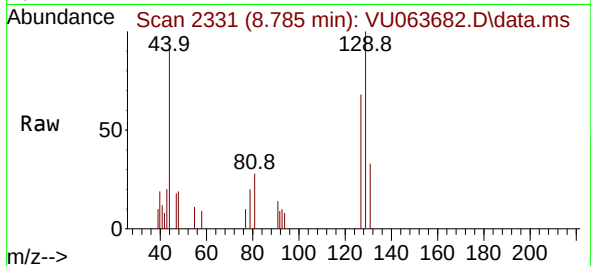
57 19.5 0.0 39.7





#55
Dibromochloromethane
Concen: 0.142 ug/l
RT: 8.785 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

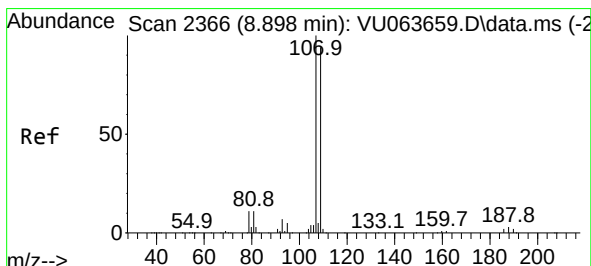
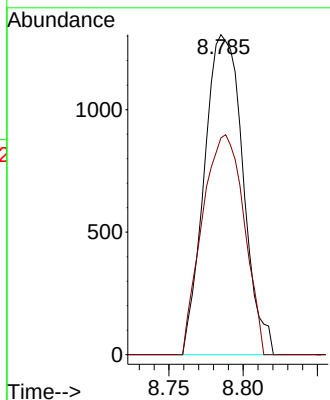
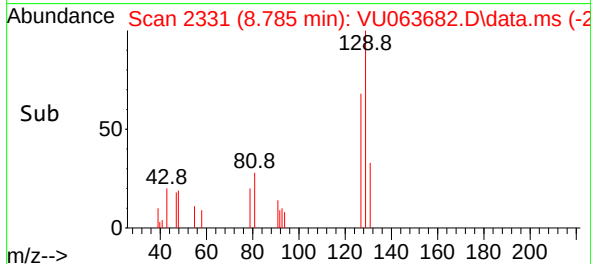
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



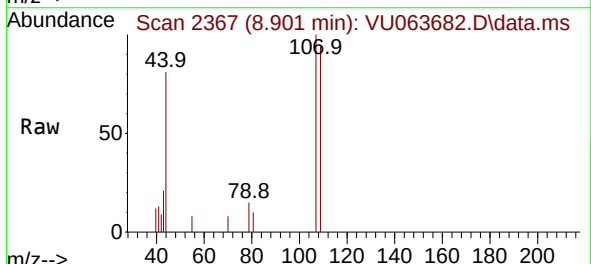
Tgt Ion:129 Resp: 236
Ion Ratio Lower Upper
129 100
127 74.4 61.4 92.0

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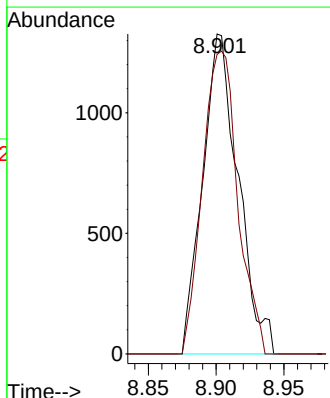
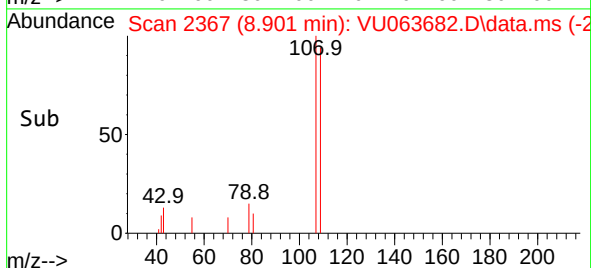
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

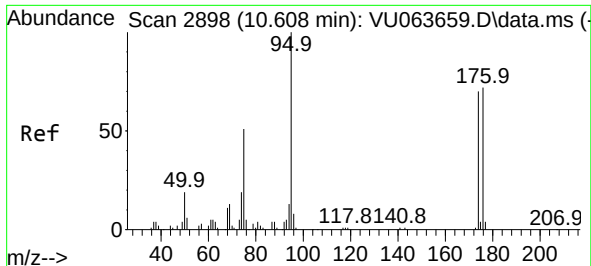


#56
1,2-Dibromoethane
Concen: 0.179 ug/l
RT: 8.901 min Scan# 2367
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57



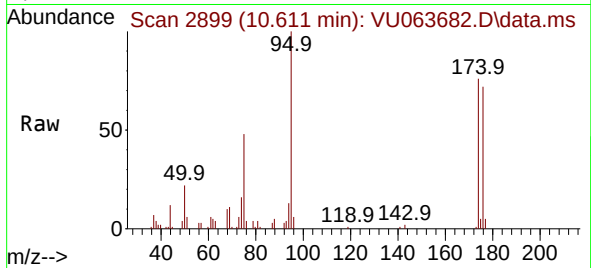
Tgt Ion:107 Resp: 2416
Ion Ratio Lower Upper
107 100
109 94.1 0.0 188.0





#57
4-Bromofluorobenzene
Concen: 0.894 ug/l
RT: 10.611 min Scan# 2899
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

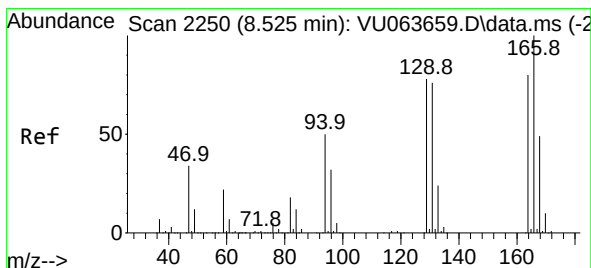
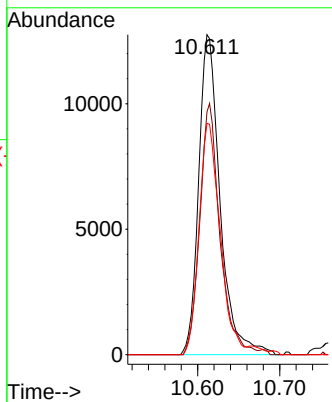
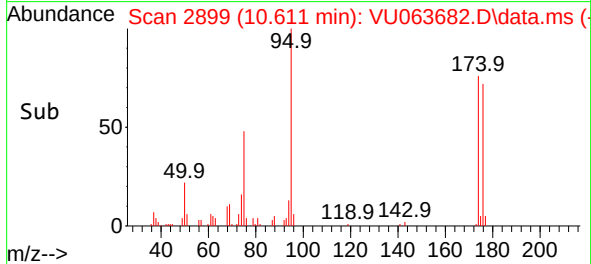
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 95 Resp: 23119
Ion Ratio Lower Upper
95 100
174 73.7 59.9 89.9
176 71.2 58.8 88.2

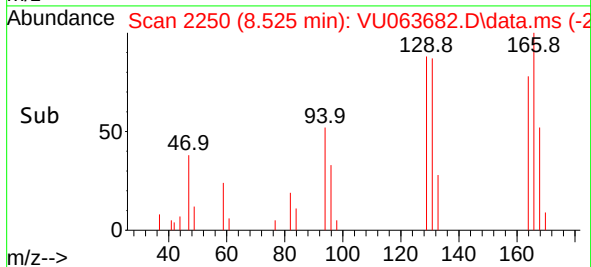
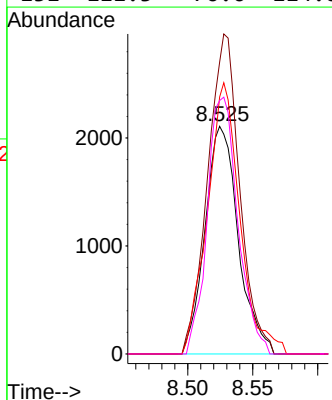
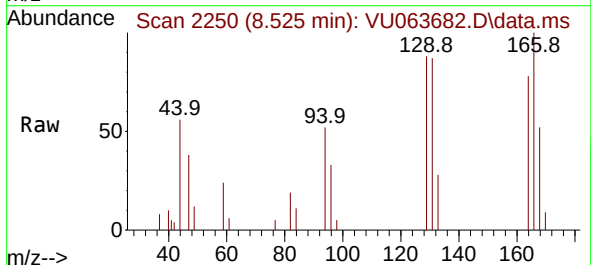
Manual Integrations
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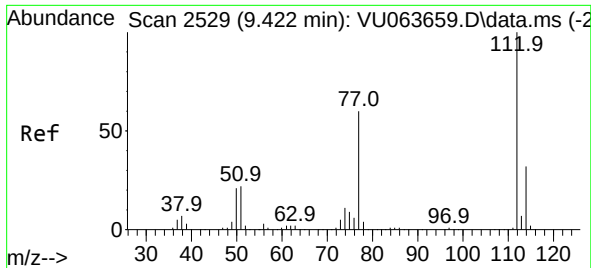
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#58
Tetrachloroethene
Concen: 0.187 ug/l
RT: 8.525 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

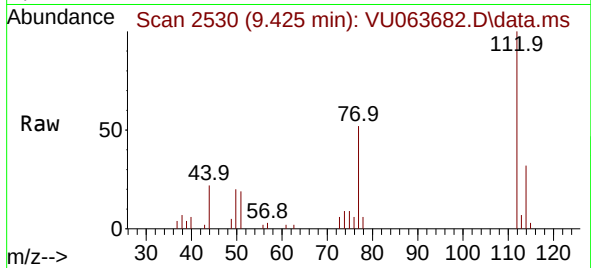
Tgt Ion:164 Resp: 3753
Ion Ratio Lower Upper
164 100
166 128.2 100.1 150.1
129 112.8 77.6 116.4
131 111.3 76.6 114.8





#59
Chlorobenzene
Concen: 0.209 ug/l
RT: 9.425 min Scan# 2529
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

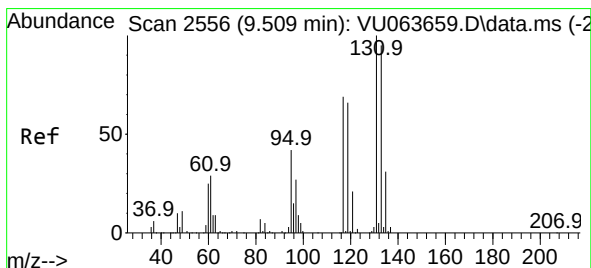
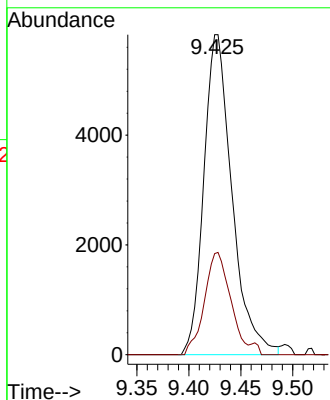
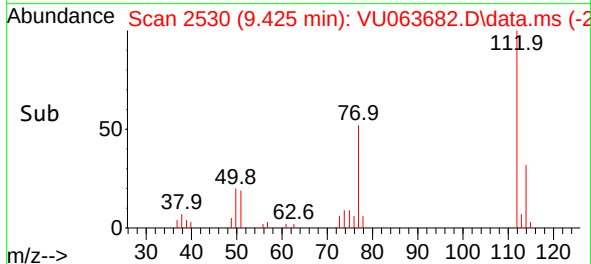
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



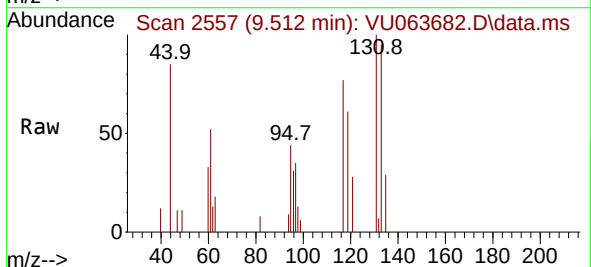
Tgt Ion:112 Resp: 10990
Ion Ratio Lower Upper
112 100
114 31.6 26.0 39.0

Manual Integrations
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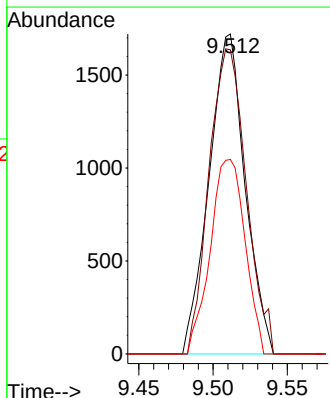
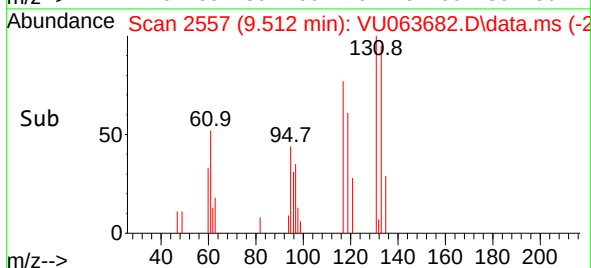
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

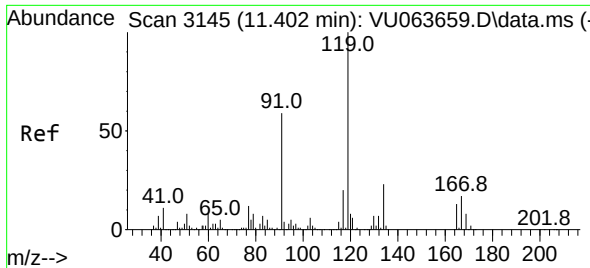


#60
1,1,1,2-Tetrachloroethane
Concen: 0.158 ug/l
RT: 9.512 min Scan# 2557
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57



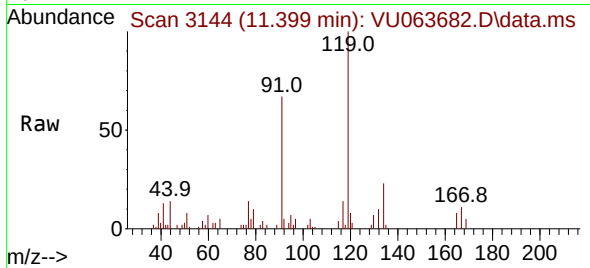
Tgt Ion:131 Resp: 2908
Ion Ratio Lower Upper
131 100
133 98.4 77.0 115.6
119 58.6 52.8 79.2





#61
Pentachloroethane
Concen: 0.168 ug/l
RT: 11.399 min Scan# 3144
Delta R.T. -0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

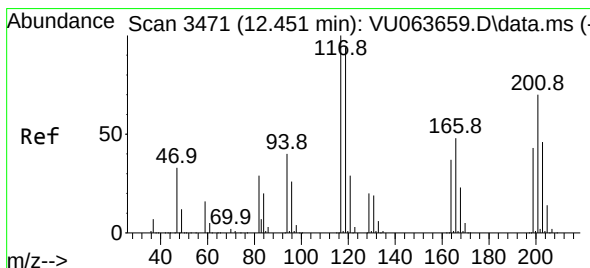
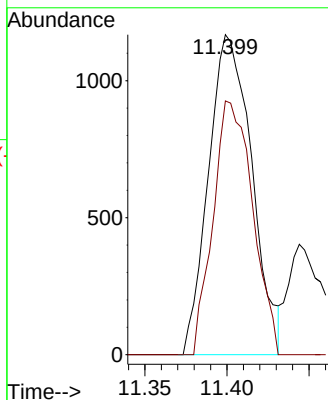
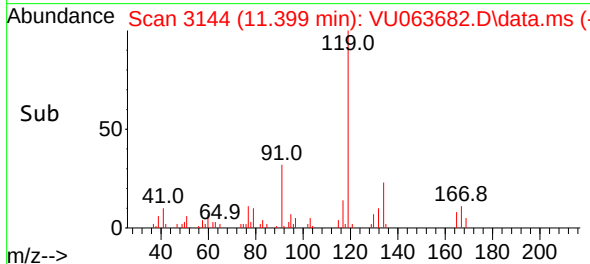
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



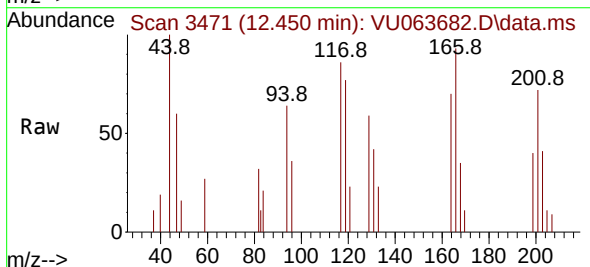
Tgt Ion:117 Resp: 2144
Ion Ratio Lower Upper
117 100
167 72.2 62.8 94.2

Manual Integrations
APPROVED

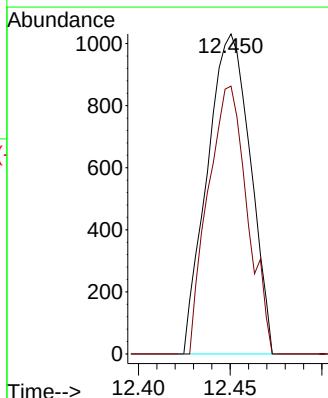
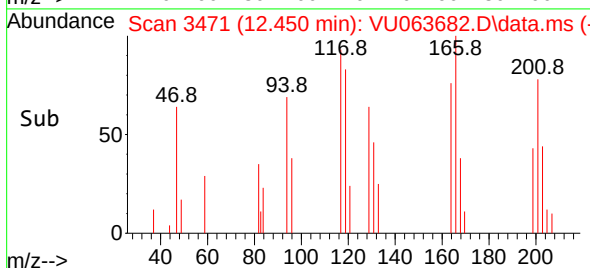
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

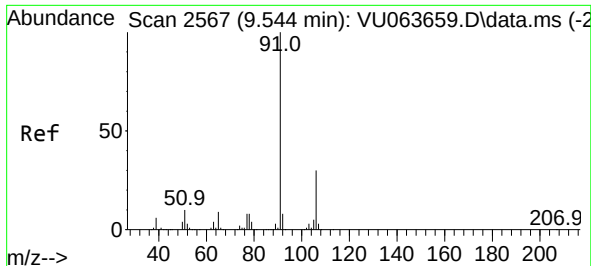


#62
Hexachloroethane
Concen: 0.120 ug/l
RT: 12.450 min Scan# 3471
Delta R.T. -0.000 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57



Tgt Ion:117 Resp: 1685
Ion Ratio Lower Upper
117 100
201 76.3 56.3 84.5





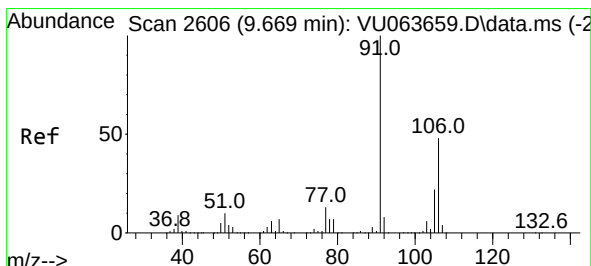
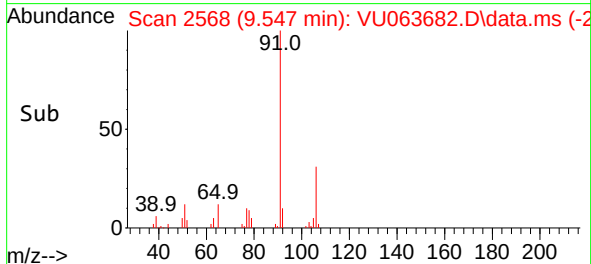
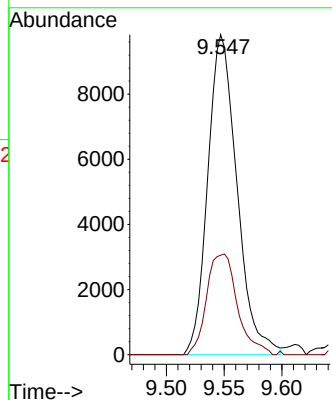
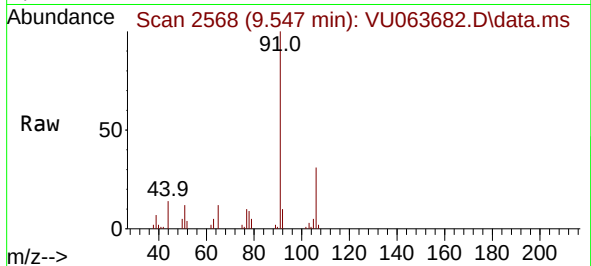
#63
Ethyl Benzene
Concen: 0.181 ug/l
RT: 9.547 min Scan# 2567
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion: 91 Resp: 1728
Ion Ratio Lower Upper
91 100
106 31.1 24.1 36.1

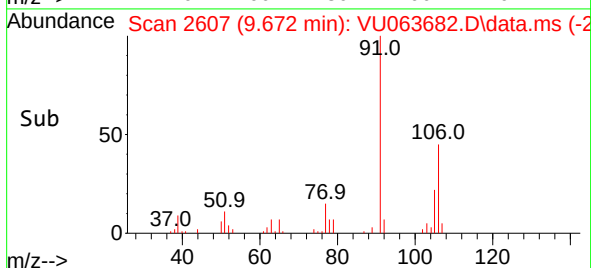
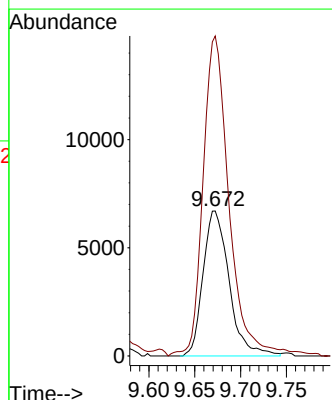
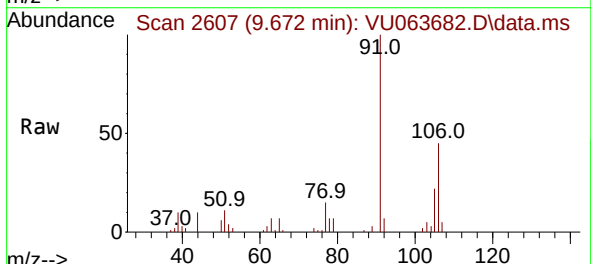
Manual Integrations
APPROVED

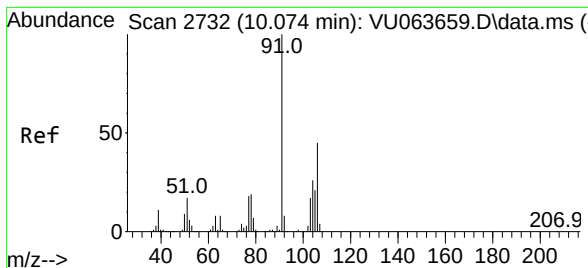
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#64
m/p-Xylenes
Concen: 0.373 ug/l
RT: 9.672 min Scan# 2607
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

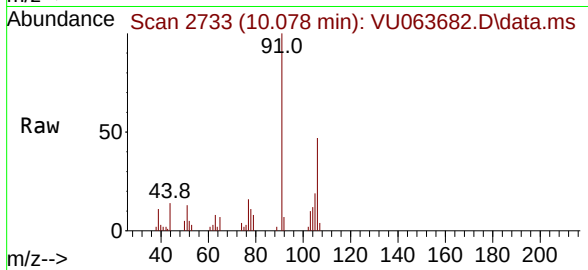
Tgt Ion:106 Resp: 13272
Ion Ratio Lower Upper
106 100
91 220.4 167.0 250.4





#65
o-Xylene
Concen: 0.194 ug/l
RT: 10.078 min Scan# 2733
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

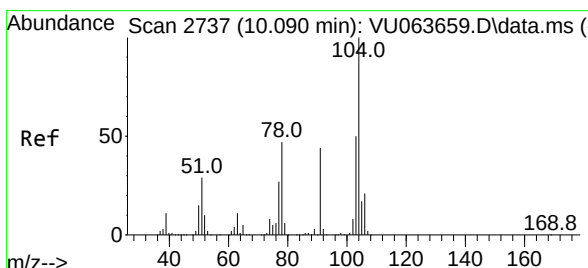
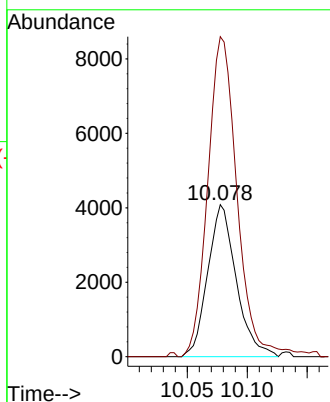
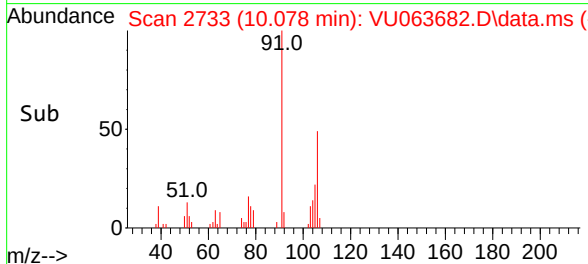
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



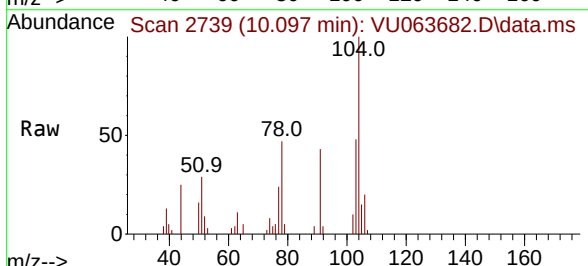
Tgt Ion:106 Resp: 676
Ion Ratio Lower Upper
106 100
91 217.4 109.3 327.9

Manual Integrations
APPROVED

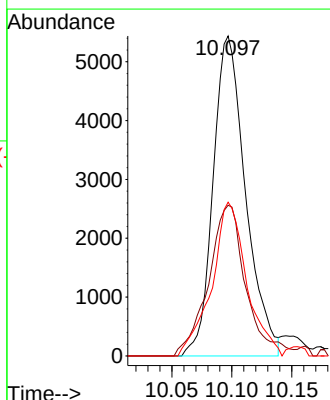
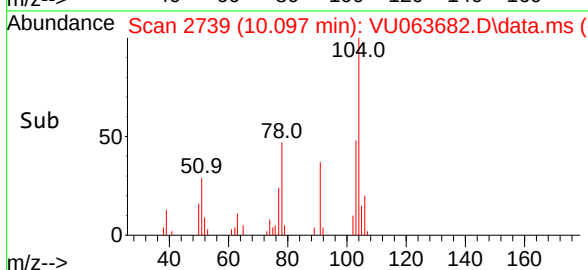
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

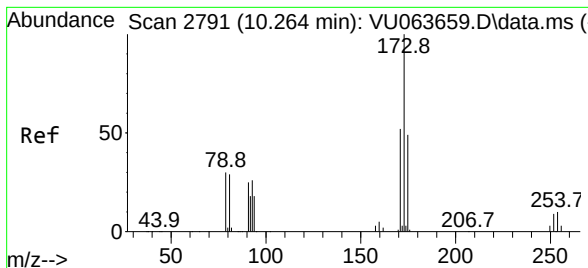


#66
Styrene
Concen: 0.181 ug/l
RT: 10.097 min Scan# 2739
Delta R.T. 0.006 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57



Tgt Ion:104 Resp: 10242
Ion Ratio Lower Upper
104 100
78 54.2 42.8 64.2
103 51.5 43.9 65.9





#67

Bromoform

Concen: 0.126 ug/l

RT: 10.270 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU063682.D

Acq: 07 Nov 2025 12:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

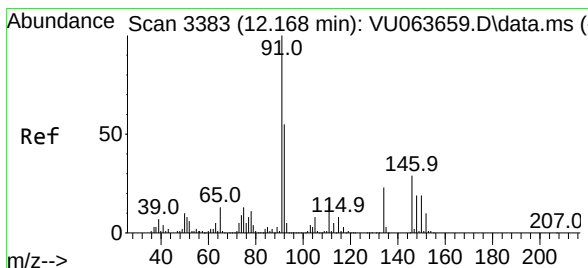
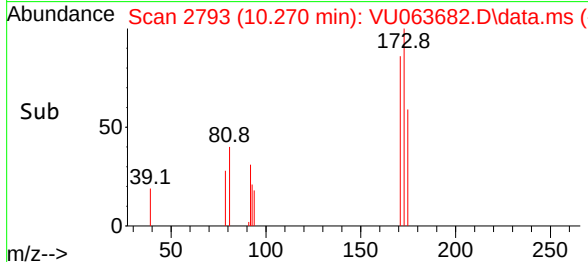
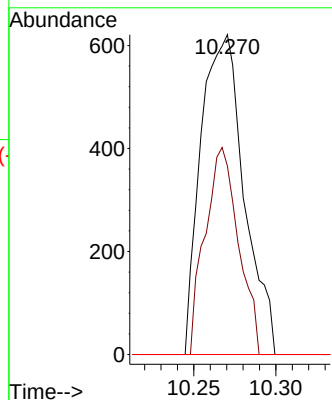
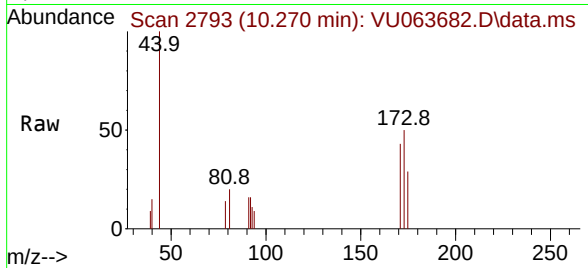
Tgt Ion:173	Resp:	113
Ion Ratio	Lower	Upper
173	100	
175	50.2	39.0 58.4
254	0.0	7.4 11.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#68

1,2-Dichlorobenzene-d4

Concen: 0.863 ug/l

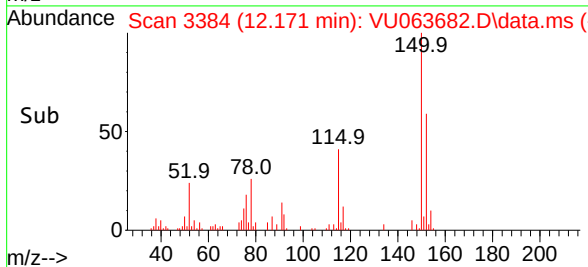
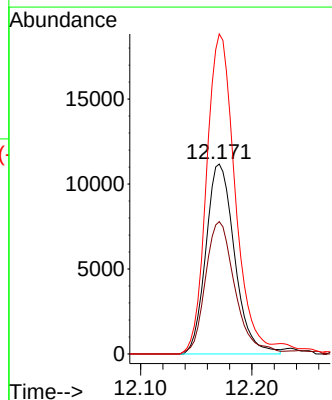
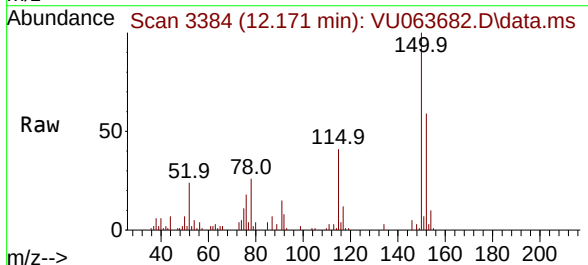
RT: 12.171 min Scan# 3384

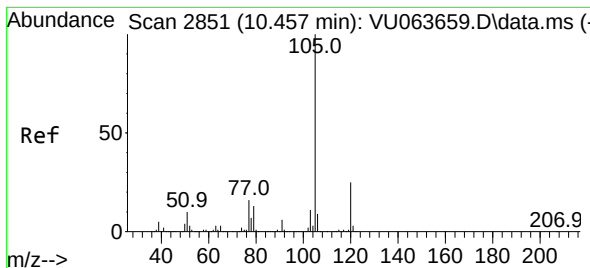
Delta R.T. 0.003 min

Lab File: VU063682.D

Acq: 07 Nov 2025 12:57

Tgt Ion:152	Resp:	20020
Ion Ratio	Lower	Upper
152	100	
115	71.9	0.0 247.2
150	167.1	0.0 643.6





#69

Isopropylbenzene

Concen: 0.194 ug/l

RT: 10.460 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VU063682.D

Acq: 07 Nov 2025 12:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion:105 Resp: 1673

Ion Ratio Lower Upper

105 100

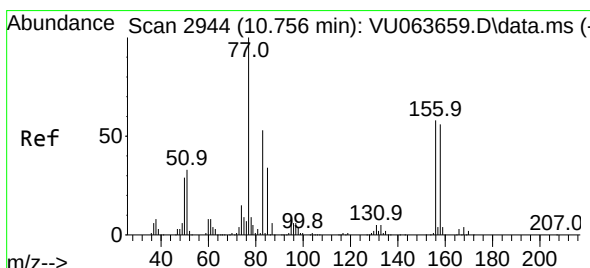
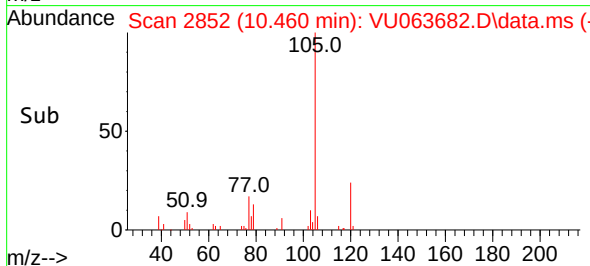
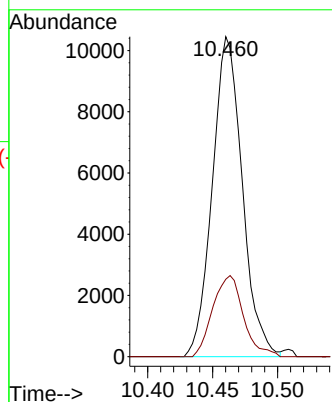
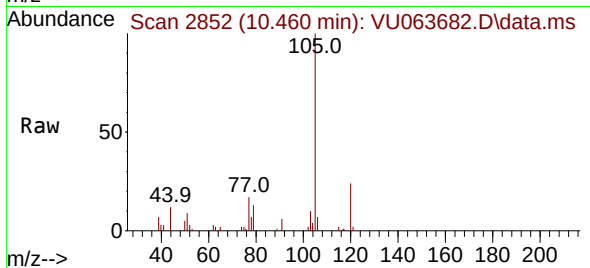
120 26.0 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 0.188 ug/l

RT: 10.762 min Scan# 2946

Delta R.T. 0.006 min

Lab File: VU063682.D

Acq: 07 Nov 2025 12:57

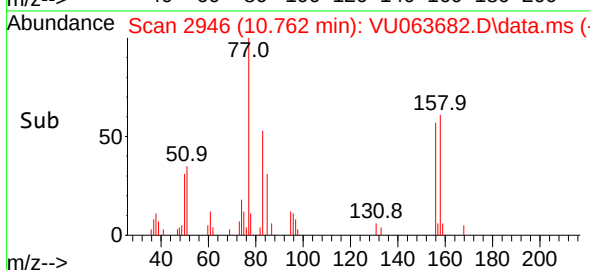
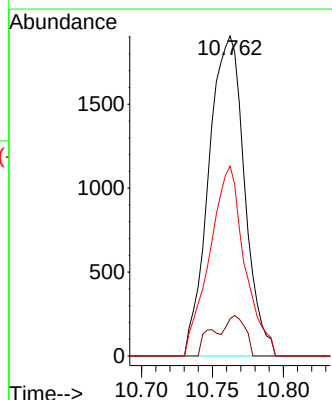
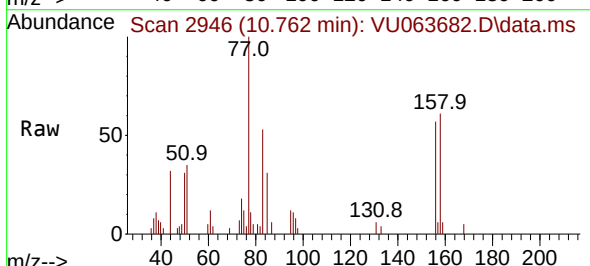
Tgt Ion: 83 Resp: 3346

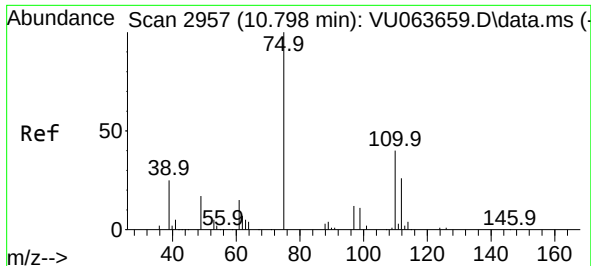
Ion Ratio Lower Upper

83 100

131 6.8 8.1 12.1#

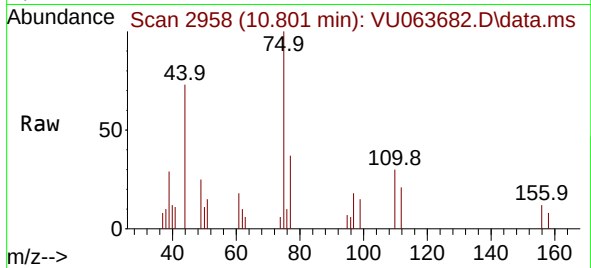
85 58.2 51.0 76.6





#71
1,2,3-Trichloropropane
Concen: 0.176 ug/l m
RT: 10.801 min Scan# 2957
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

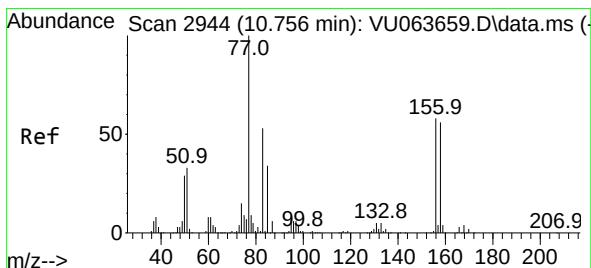
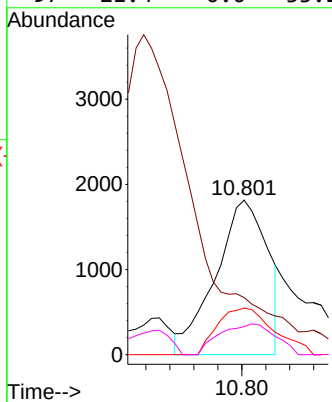
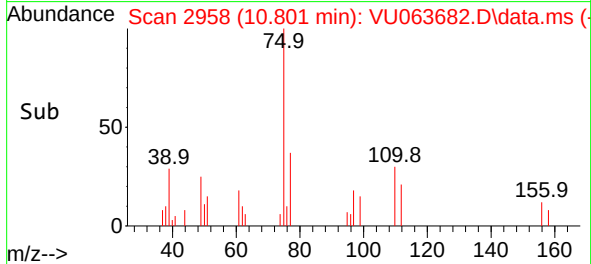
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



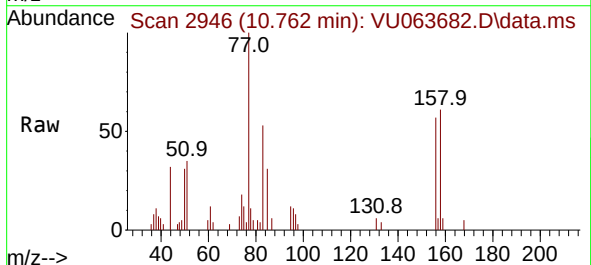
Tgt Ion: 75 Resp: 2714
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 33.0 0.0 66.4
97 21.4 0.0 33.2

Manual Integrations
APPROVED

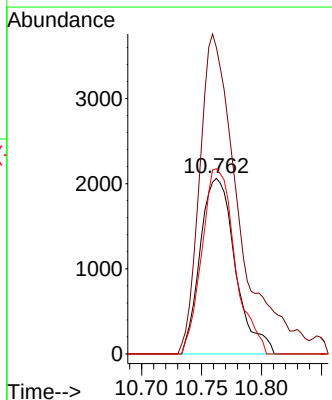
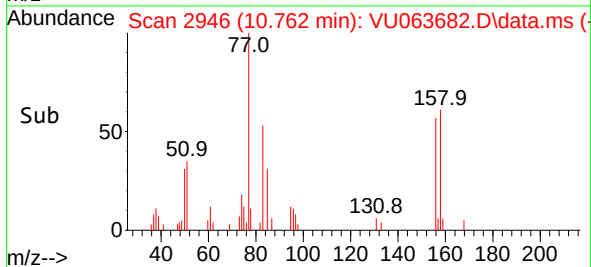
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

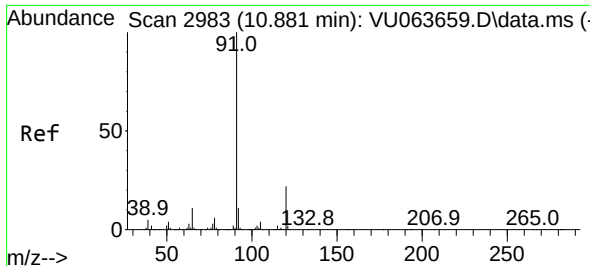


#72
Bromobenzene
Concen: 0.202 ug/l
RT: 10.762 min Scan# 2946
Delta R.T. 0.006 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57



Tgt Ion:156 Resp: 4197
Ion Ratio Lower Upper
156 100
77 203.0 0.0 337.2
158 99.7 0.0 191.8





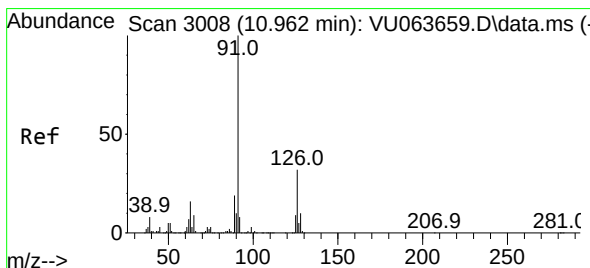
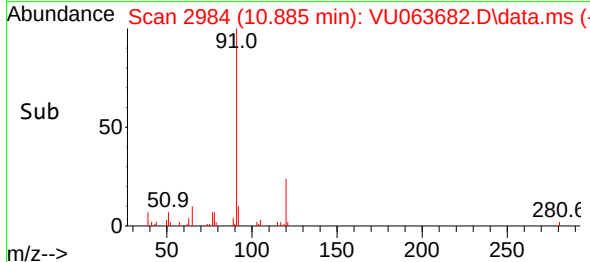
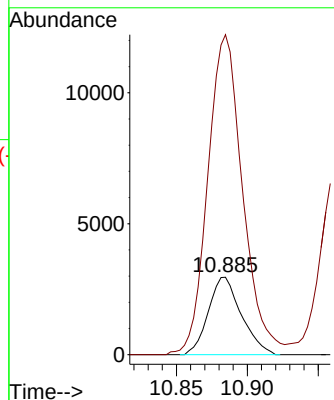
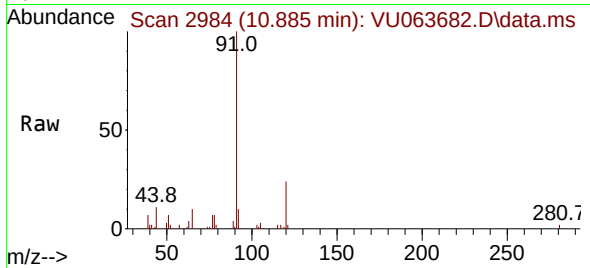
#73
n-propylbenzene
Concen: 0.196 ug/l
RT: 10.885 min Scan# 2983
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion:120 Resp: 4790
Ion Ratio Lower Upper
120 100
91 436.5 361.4 542.2

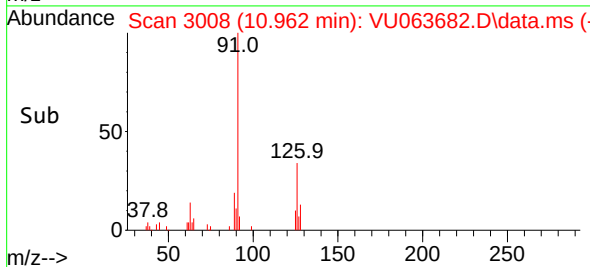
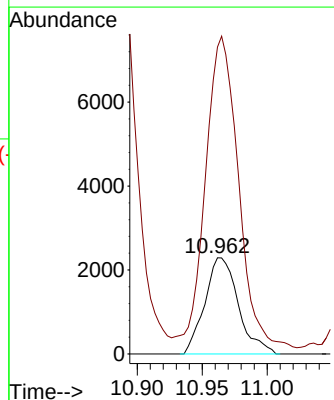
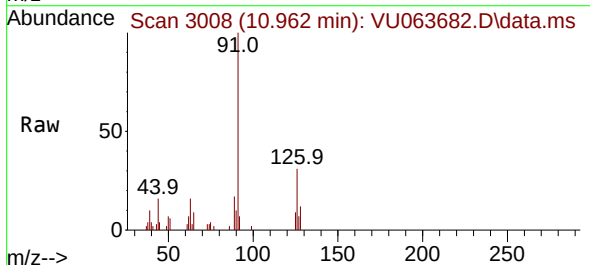
Manual Integrations
APPROVED

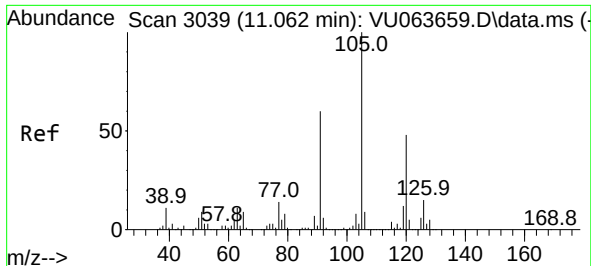
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#74
2-Chlorotoluene
Concen: 0.194 ug/l
RT: 10.962 min Scan# 3008
Delta R.T. -0.000 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

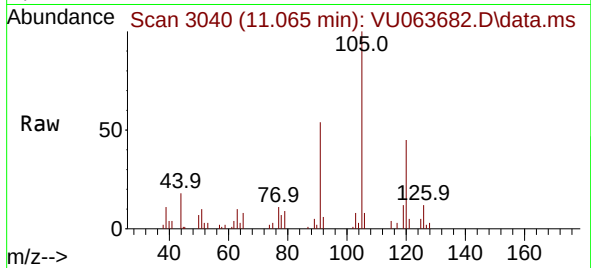
Tgt Ion:126 Resp: 4118
Ion Ratio Lower Upper
126 100
91 328.2 0.0 634.8





#75
1,3,5-Trimethylbenzene
Concen: 0.179 ug/l
RT: 11.065 min Scan# 3039
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

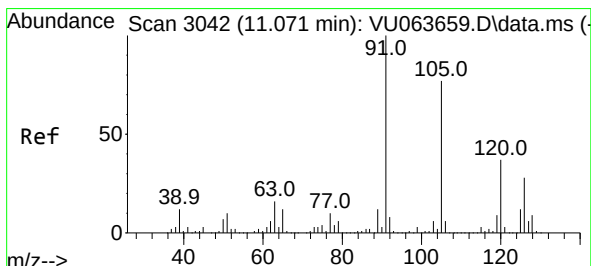
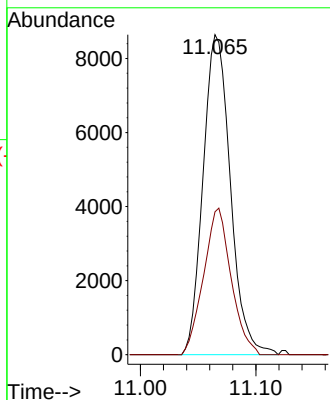
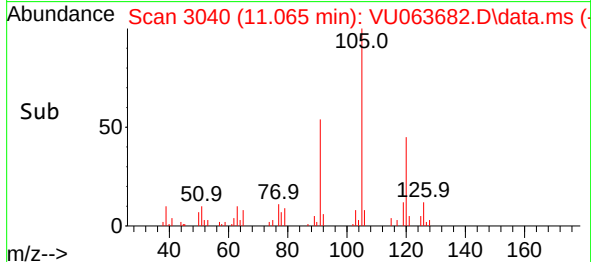
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



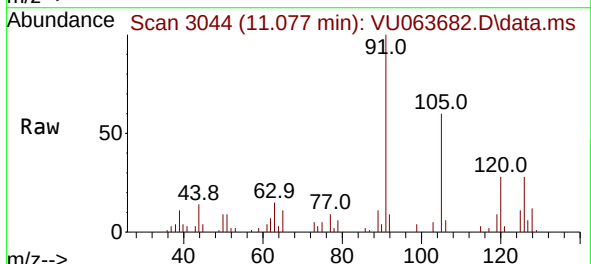
Tgt Ion:105 Resp: 14218
Ion Ratio Lower Upper
105 100
120 46.2 38.2 57.2

Manual Integrations
APPROVED

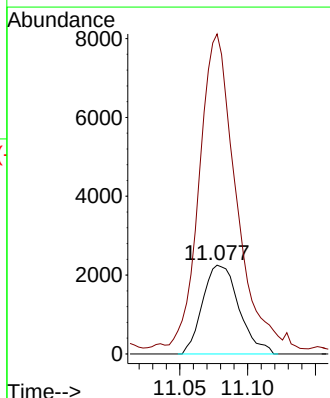
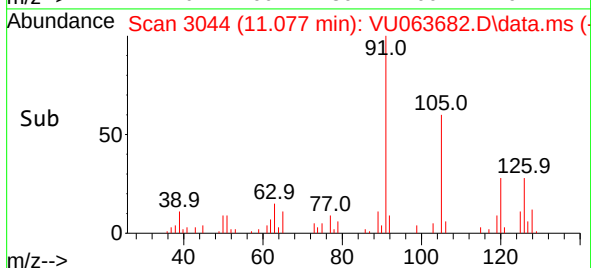
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

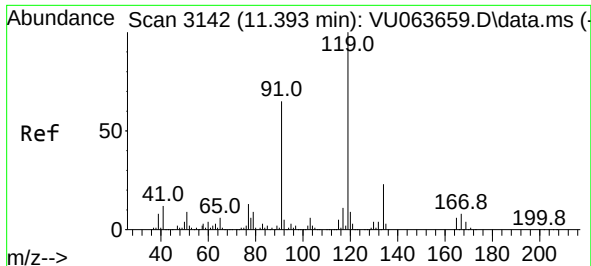


#76
4-Chlorotoluene
Concen: 0.197 ug/l
RT: 11.077 min Scan# 3044
Delta R.T. 0.006 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57



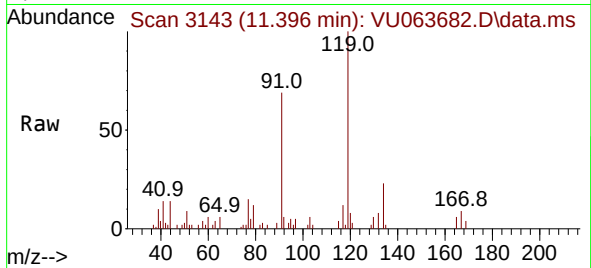
Tgt Ion:126 Resp: 4193
Ion Ratio Lower Upper
126 100
91 363.2 0.0 716.6





#77
tert-Butylbenzene
Concen: 0.192 ug/l
RT: 11.396 min Scan# 3142
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

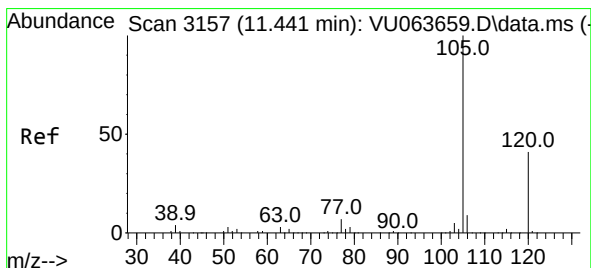
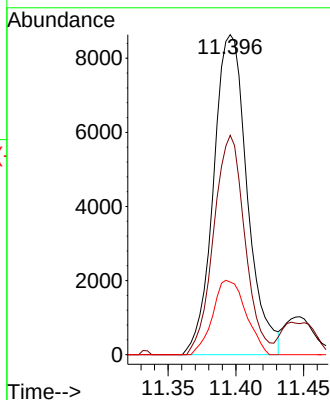
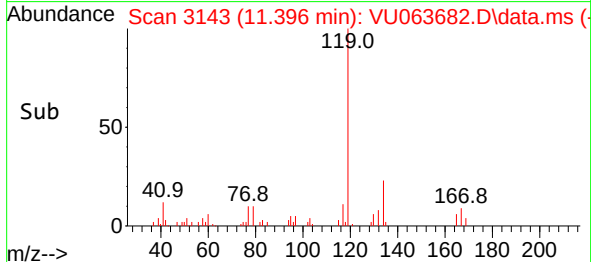
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



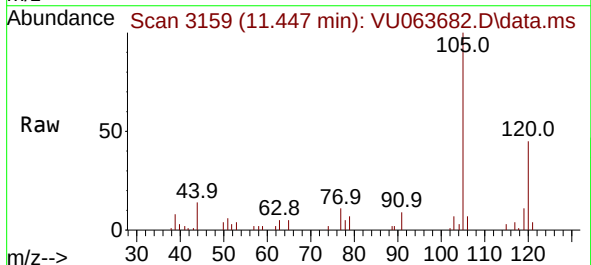
Tgt Ion:119 Resp: 14949
Ion Ratio Lower Upper
119 100
91 63.6 31.3 93.8
134 22.9 18.7 28.1

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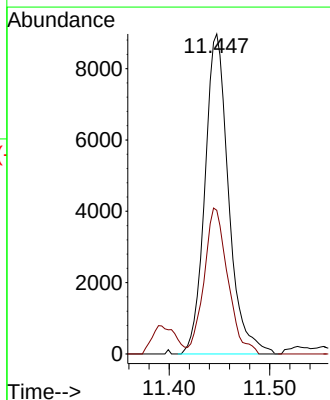
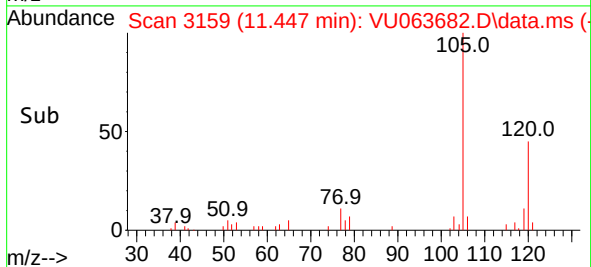
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

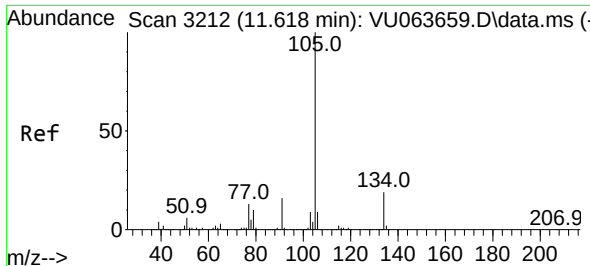


#78
1,2,4-Trimethylbenzene
Concen: 0.192 ug/l
RT: 11.447 min Scan# 3159
Delta R.T. 0.006 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57



Tgt Ion:105 Resp: 14675
Ion Ratio Lower Upper
105 100
120 45.5 22.4 67.0





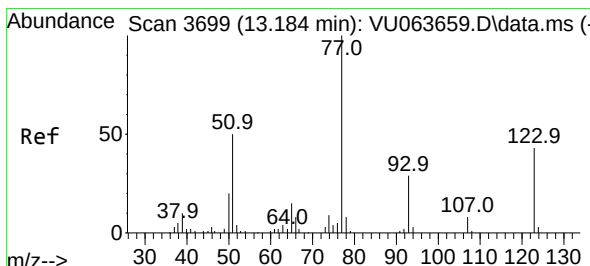
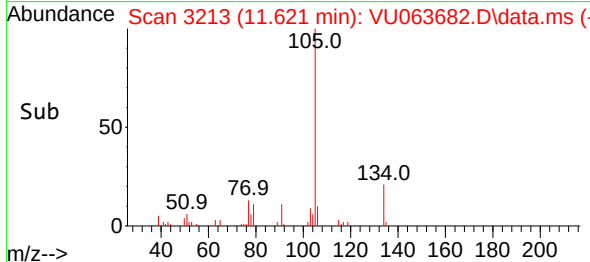
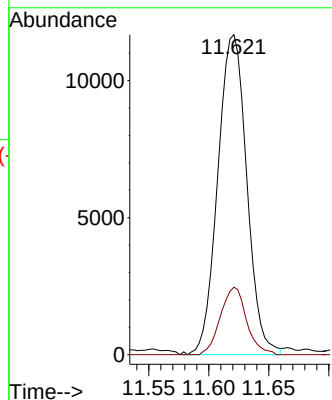
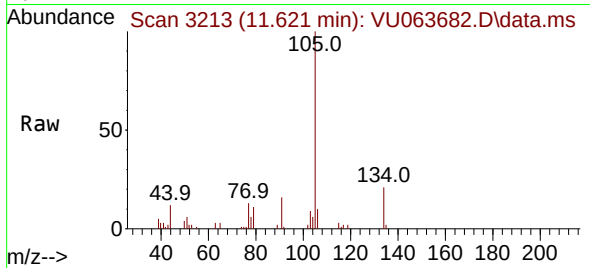
#79
 sec-Butylbenzene
 Concen: 0.192 ug/l
 RT: 11.621 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU063682.D
 Acq: 07 Nov 2025 12:57

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025

Tgt Ion:105 Resp: 1964
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.7 23.5

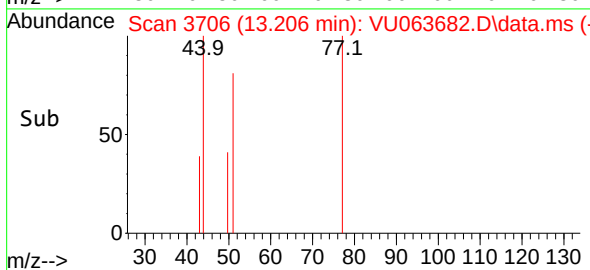
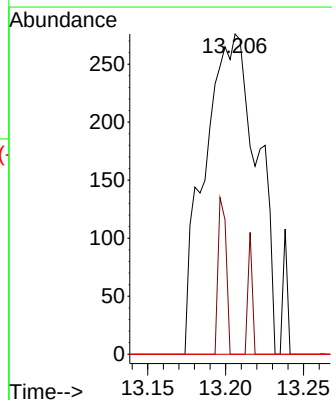
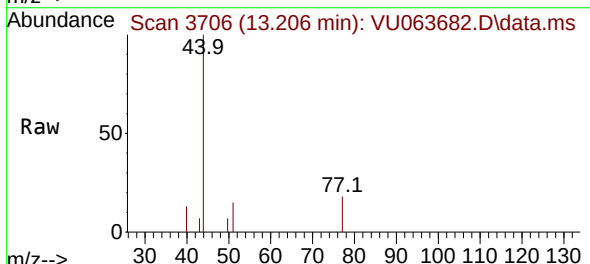
Manual Integrations
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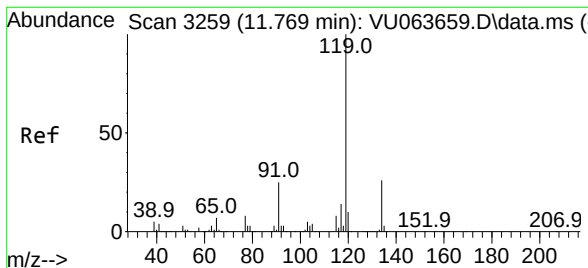
Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025



#80
 Nitrobenzene
 Concen: 1.029 ug/l
 RT: 13.206 min Scan# 3706
 Delta R.T. 0.022 min
 Lab File: VU063682.D
 Acq: 07 Nov 2025 12:57

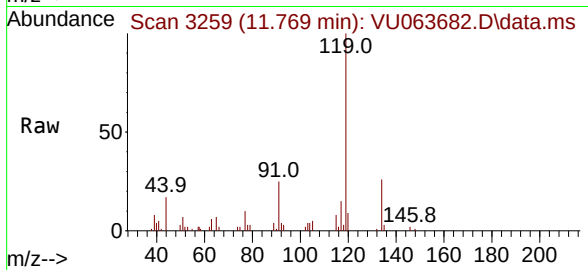
Tgt Ion: 77 Resp: 643
 Ion Ratio Lower Upper
 77 100
 123 3.1 18.2 64.4#
 65 0.0 13.6 17.2#





#81
p-Isopropyltoluene
Concen: 0.184 ug/l
RT: 11.769 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

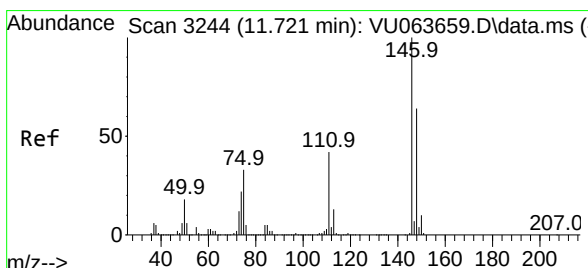
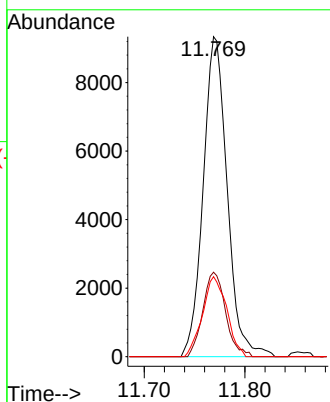
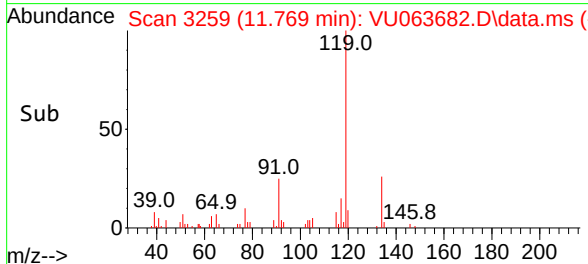
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



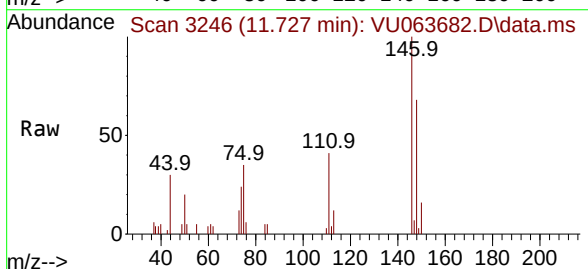
Tgt Ion:119 Resp: 1546
Ion Ratio Lower Upper
119 100
134 25.0 20.3 30.5
91 25.2 20.1 30.1

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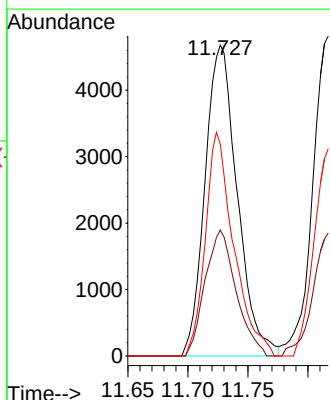
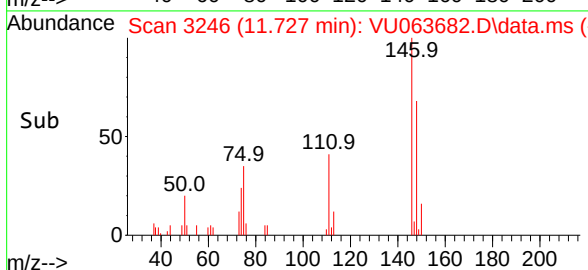
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

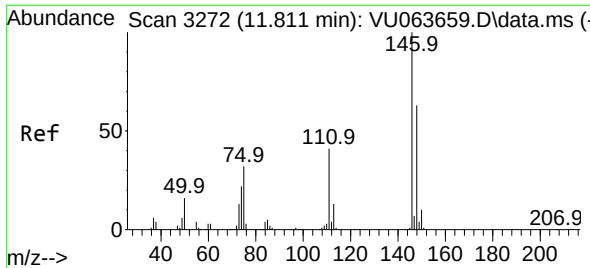


#82
1,3-Dichlorobenzene
Concen: 0.217 ug/l
RT: 11.727 min Scan# 3246
Delta R.T. 0.006 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57



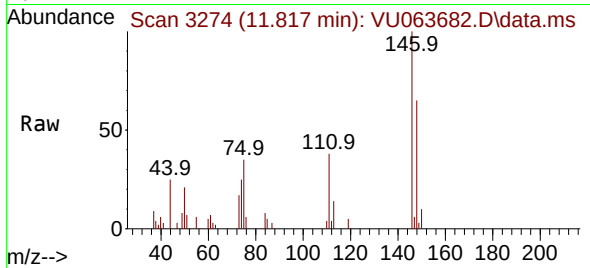
Tgt Ion:146 Resp: 8737
Ion Ratio Lower Upper
146 100
111 39.0 33.8 50.8
148 63.3 50.8 76.2





#83
1,4-Dichlorobenzene
Concen: 0.238 ug/l
RT: 11.817 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

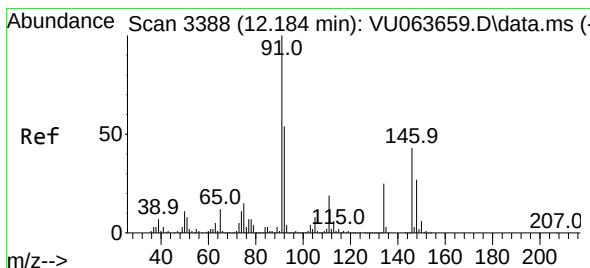
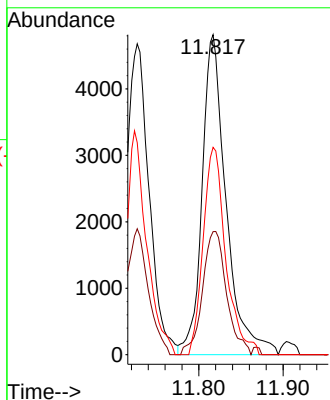
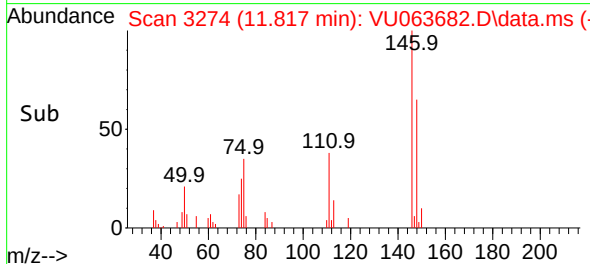
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



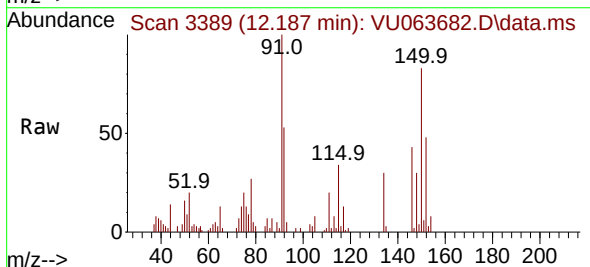
Tgt Ion:146 Resp: 954
Ion Ratio Lower Upper
146 100
111 38.5 33.0 49.4
148 61.0 50.6 76.0

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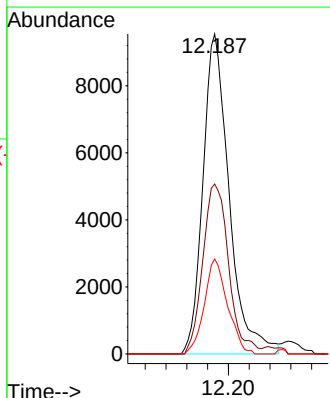
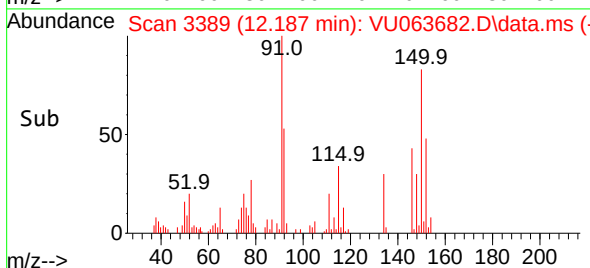
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

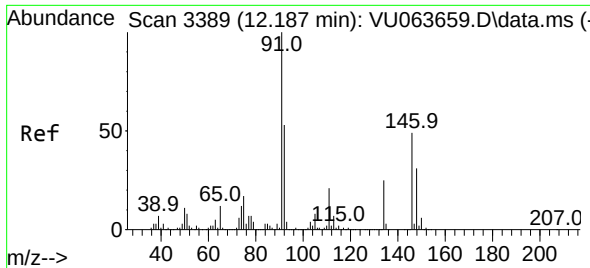


#84
n-Butylbenzene
Concen: 0.222 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57



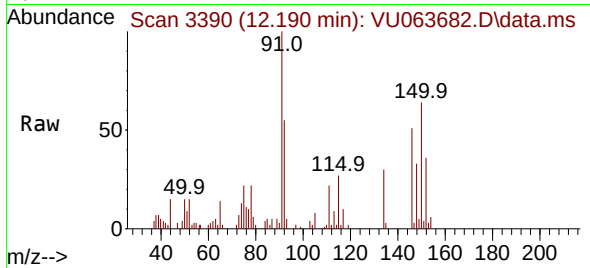
Tgt Ion: 91 Resp: 16684
Ion Ratio Lower Upper
91 100
92 52.5 43.1 64.7
134 26.3 19.7 29.5





#85
1,2-Dichlorobenzene
Concen: 0.207 ug/l
RT: 12.190 min Scan# 3389
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

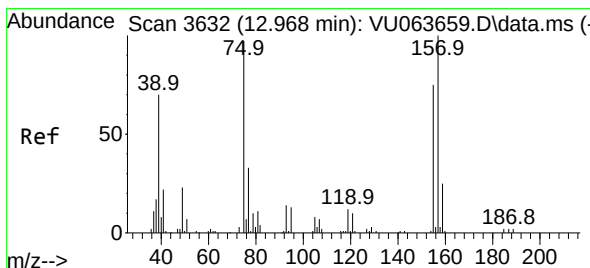
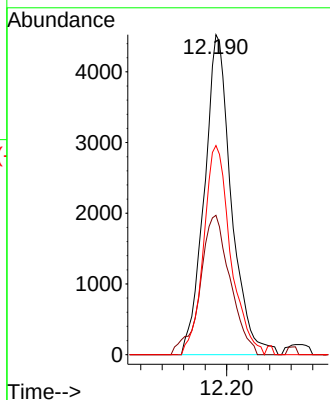
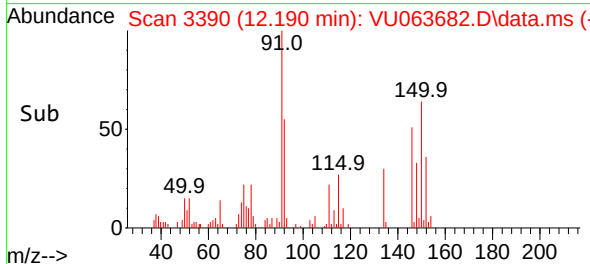
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:146 Resp: 7880
Ion Ratio Lower Upper
146 100
111 48.3 22.2 66.6
148 65.3 31.9 95.5

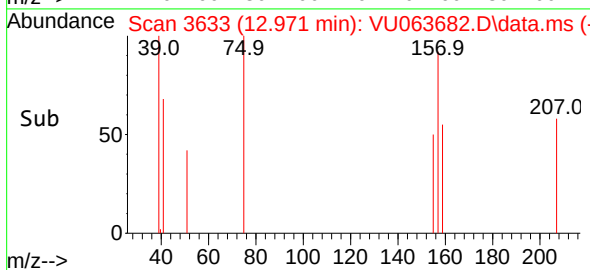
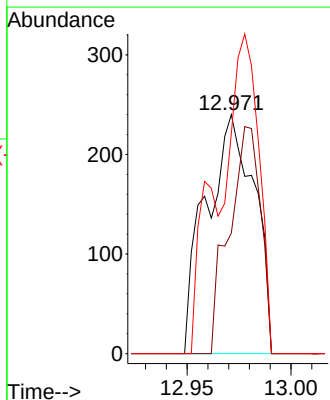
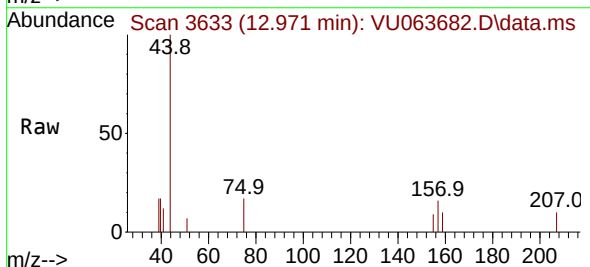
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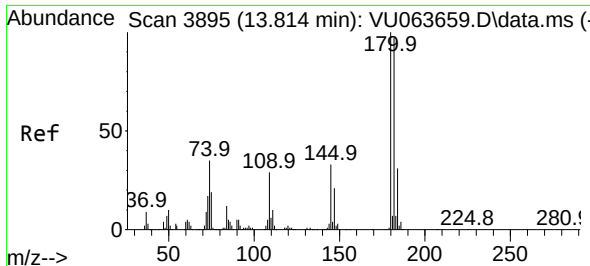
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#86
1,2-Dibromo-3-Chloropropane
Concen: 0.131 ug/l
RT: 12.971 min Scan# 3633
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

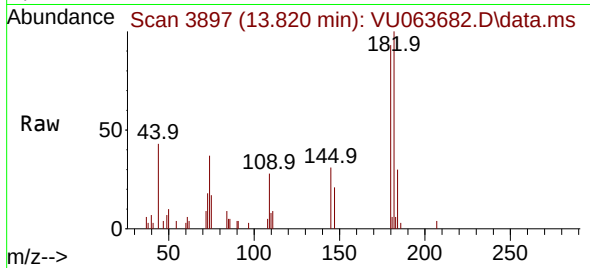
Tgt Ion: 75 Resp: 387
Ion Ratio Lower Upper
75 100
155 62.0 62.2 93.4#
157 81.1 81.3 121.9#





#87
1,2,4-Trichlorobenzene
Concen: 0.268 ug/l
RT: 13.820 min Scan# 3897
Delta R.T. 0.006 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

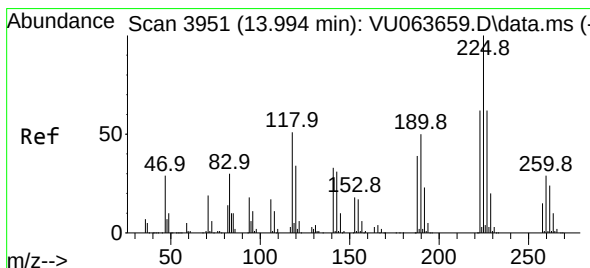
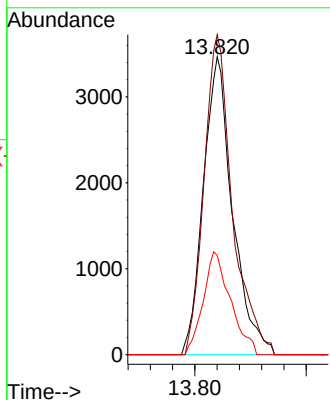
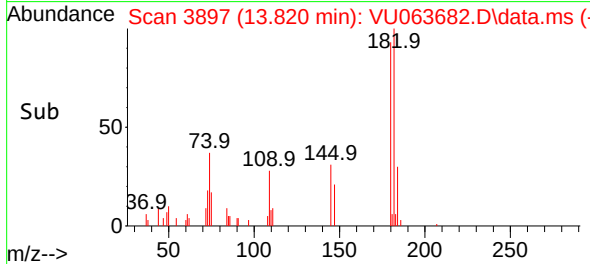
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



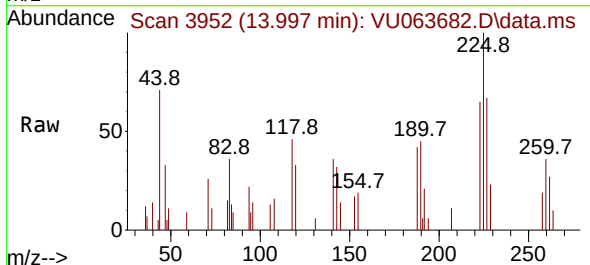
Tgt Ion:180 Resp: 6299
Ion Ratio Lower Upper
180 100
182 104.2 76.4 114.6
145 32.3 26.2 39.2

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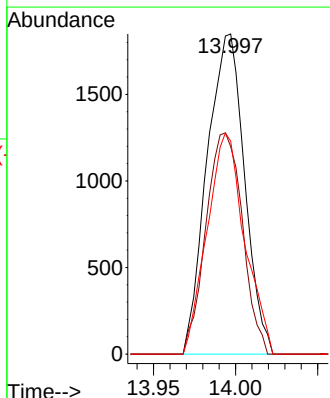
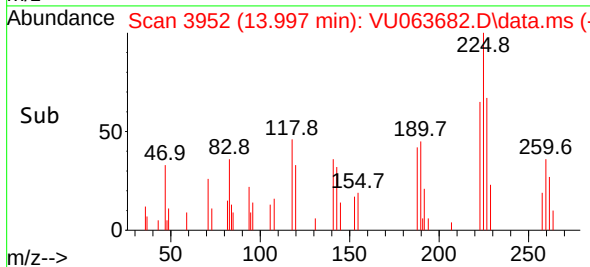
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

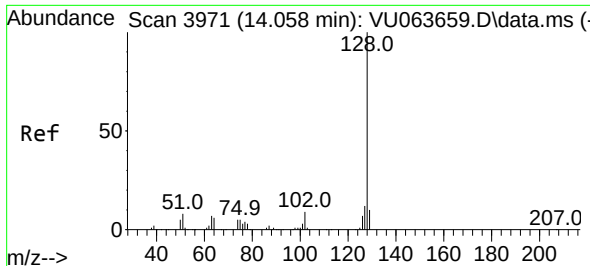


#88
Hexachlorobutadiene
Concen: 0.209 ug/l
RT: 13.997 min Scan# 3952
Delta R.T. 0.003 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57



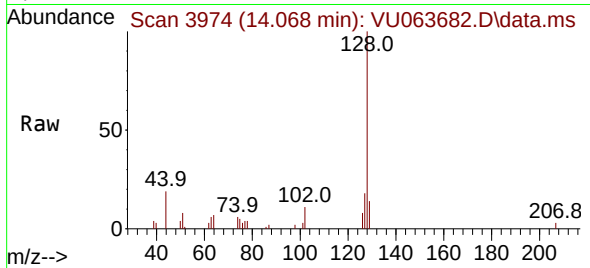
Tgt Ion:225 Resp: 2928
Ion Ratio Lower Upper
225 100
223 67.3 50.2 75.4
227 69.3 50.0 75.0





#89
Naphthalene
Concen: 0.381 ug/l
RT: 14.068 min Scan# 3974
Delta R.T. 0.010 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

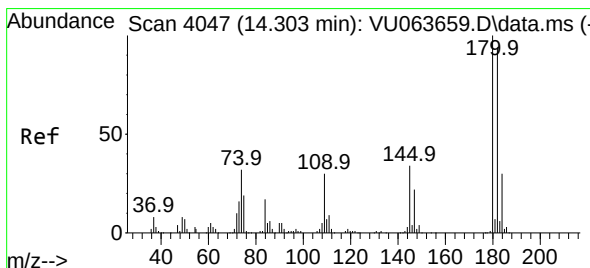
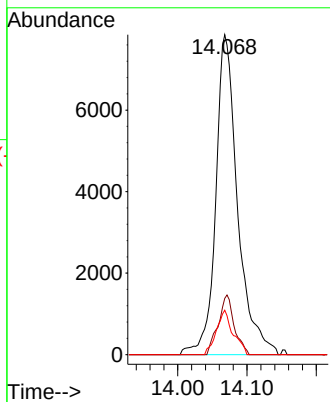
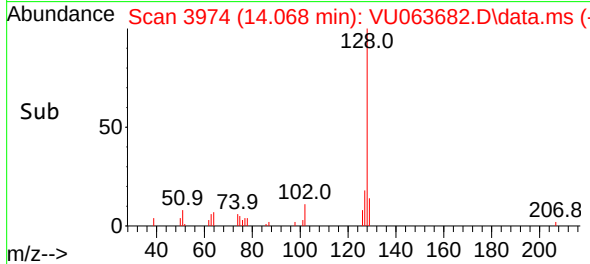
Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:128 Resp: 1723
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.2
129 10.5 8.6 12.8

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Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#90
1,2,3-Trichlorobenzene
Concen: 0.294 ug/l
RT: 14.309 min Scan# 4049
Delta R.T. 0.006 min
Lab File: VU063682.D
Acq: 07 Nov 2025 12:57

Tgt Ion:180 Resp: 6318
Ion Ratio Lower Upper
180 100
182 97.0 75.4 113.0
145 29.5 27.4 41.2

