

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110725\
 Data File : VU063684.D
 Acq On : 07 Nov 2025 13:58
 Operator : MD/SY
 Sample : Q3530-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Nov 08 02:34:25 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.081	96	55403	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	21977	0.877	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
68) 1,2-Dichlorobenzene-d4	12.171	152	20530	0.914	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	13708	0.657	ug/l	97
3) Chloromethane	1.509	50	12842	0.655	ug/l	98
4) Vinyl Chloride	1.589	62	13565	0.680	ug/l	91
5) Bromomethane	1.840	94	10883	0.903	ug/l	91
6) Chloroethane	1.917	64	9319	0.761	ug/l	98
7) Trichlorofluoromethane	2.119	101	20983	0.723	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.557	101	10642	0.690	ug/l	97
9) 1,1-Dichloroethene	2.557	96	11343	0.759	ug/l	86
10) Iodomethane	2.695	142	10131	0.457	ug/l	92
11) Allyl Chloride	2.894	41	15915	0.682	ug/l	100
12) Acrylonitrile	3.290	53	5159	1.396	ug/l	89
13) Acetone	2.605	43	19082	2.924	ug/l	95
14) Carbon Disulfide	2.766	76	23988	0.570	ug/l	97
15) Methylene Chloride	3.013	84	15109	0.787	ug/l	95
16) trans-1,2-Dichloroethene	3.316	96	12335	0.749	ug/l	98
17) 1,1-Dichloroethane	3.830	63	24421	0.748	ug/l	99
18) 2-Butanone	4.695	43	20149	2.910	ug/l	97
19) Cyclohexane	5.341	56	18014	0.722	ug/l	98
20) Methylcyclohexane	6.727	83	21049	0.678	ug/l	99
21) 2,2-Dichloropropane	4.627	77	18962	0.648	ug/l	96
22) cis-1,2-Dichloroethene	4.631	96	14192	0.757	ug/l	98
23) Diethyl Ether	2.357	59	8535	0.697	ug/l	97
24) tert-Butyl Alcohol	3.177	59	14586	6.914	ug/l #	92
25) Methyl tert-Butyl Ether	3.345	73	30736	0.702	ug/l	98
26) Bromochloromethane	4.936	128	5677	0.718	ug/l	98
27) Chloroform	5.052	83	24538	0.735	ug/l	95
28) 1,1,1-Trichloroethane	5.274	97	19819	0.673	ug/l	96
29) 1,1-Dichloropropene	5.486	75	18180	0.736	ug/l	98
30) Carbon Tetrachloride	5.479	117	15434	0.662	ug/l	97
31) Isopropyl Ether	3.971	45	36969	0.715	ug/l	99
32) Ethyl-t-butyl ether	4.480	59	34315	0.689	ug/l	100
33) Tert-Amyl methyl ether	5.926	73	29664	0.684	ug/l	99
34) Propionitrile	4.756	54	5035	3.722	ug/l #	88
35) Benzene	5.737	78	51599	0.741	ug/l	99
36) 1,2-Dichloroethane	5.762	62	15568	0.696	ug/l	97
37) Trichloroethene	6.512	130	14868	0.749	ug/l	91
38) 1,2-Dichloropropane	6.766	63	12904	0.662	ug/l	99
39) Methacrylonitrile	4.959	41	4825	0.716	ug/l #	85
40) Methyl acrylate	4.827	55	7207	0.737	ug/l #	88
41) Tetrahydrofuran	5.039	42	5303	1.750	ug/l	92
42) 1-Chlorobutane	5.418	56	23352	0.705	ug/l	92
43) Dibromomethane	6.894	93	7026	0.697	ug/l	96
44) Bromodichloromethane	7.081	83	14352	0.582	ug/l	98

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 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 MDL-WATER-03-QT4-2025

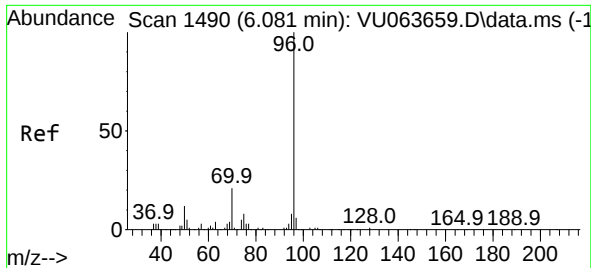
Quant Time: Nov 08 02:34:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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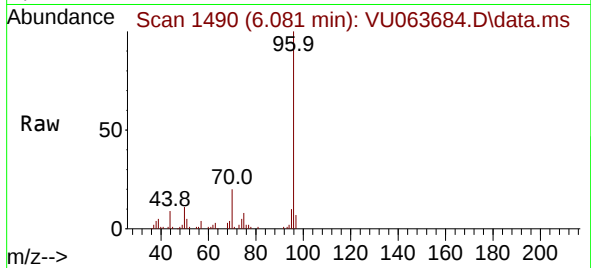
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	37234	3.061	ug/l	97
46) t-1,4-Dichloro-2-butene	10.804	75	5767m	1.367	ug/l	
47) Methyl methacrylate	6.952	69	12042	1.298	ug/l	93
48) Ethyl methacrylate	8.319	69	11472	0.608	ug/l	99
49) Toluene	7.942	92	30893	0.658	ug/l	100
50) t-1,3-Dichloropropene	8.190	75	11659	0.544	ug/l	95
51) cis-1,3-Dichloropropene	7.585	75	15080	0.563	ug/l	98
52) 1,1,2-Trichloroethane	8.376	97	9281	0.677	ug/l	97
53) 1,3-Dichloropropane	8.553	76	16517	0.674	ug/l	96
54) 2-Hexanone	8.679	43	27010	2.630	ug/l	98
55) Dibromochloromethane	8.788	129	8479	0.525	ug/l	99
56) 1,2-Dibromoethane	8.901	107	8184	0.627	ug/l	99
58) Tetrachloroethene	8.524	164	13746	0.708	ug/l	95
59) Chlorobenzene	9.425	112	34210	0.671	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.508	131	10846	0.608	ug/l	96
61) Pentachloroethane	11.402	117	6970	0.563	ug/l	95
62) Hexachloroethane	12.450	117	6279	0.463	ug/l	93
63) Ethyl Benzene	9.547	91	60404	0.654	ug/l	97
64) m/p-Xylenes	9.669	106	46028	1.336	ug/l	97
65) o-Xylene	10.077	106	22295	0.660	ug/l	98
66) Styrene	10.093	104	34943	0.638	ug/l	98
67) Bromoform	10.267	173	4200	0.482	ug/l	98
69) Isopropylbenzene	10.460	105	54366	0.652	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.759	83	11038	0.641	ug/l	99
71) 1,2,3-Trichloropropane	10.801	75	8593m	0.573	ug/l	
72) Bromobenzene	10.762	156	13827	0.686	ug/l	87
73) n-propylbenzene	10.881	120	15646	0.660	ug/l	93
74) 2-Chlorotoluene	10.962	126	14406	0.702	ug/l	94
75) 1,3,5-Trimethylbenzene	11.064	105	48393	0.628	ug/l	99
76) 4-Chlorotoluene	11.077	126	13876	0.673	ug/l	96
77) tert-Butylbenzene	11.396	119	48555	0.643	ug/l	99
78) 1,2,4-Trimethylbenzene	11.444	105	47293	0.639	ug/l	98
79) sec-Butylbenzene	11.618	105	64000	0.644	ug/l	99
80) Nitrobenzene	13.196	77	1097m	1.811	ug/l	
81) p-Isopropyltoluene	11.769	119	52228	0.642	ug/l	99
82) 1,3-Dichlorobenzene	11.724	146	26626	0.682	ug/l	98
83) 1,4-Dichlorobenzene	11.814	146	28221	0.727	ug/l	98
84) n-Butylbenzene	12.187	91	46170	0.633	ug/l	99
85) 1,2-Dichlorobenzene	12.190	146	25814	0.699	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.971	75	1429	0.501	ug/l #	83
87) 1,2,4-Trichlorobenzene	13.817	180	15150	0.666	ug/l	97
88) Hexachlorobutadiene	13.994	225	9426	0.696	ug/l	98
89) Naphthalene	14.068	128	28940	0.661	ug/l	98
90) 1,2,3-Trichlorobenzene	14.306	180	13959	0.671	ug/l	97

(#) = 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: VU063684.D
Acq: 07 Nov 2025 13:58

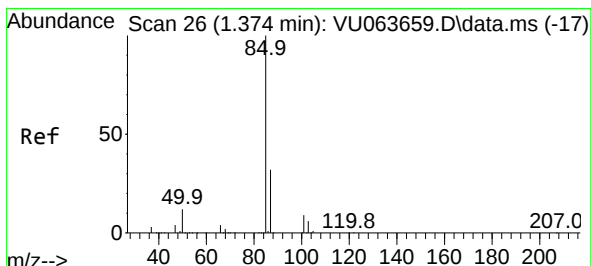
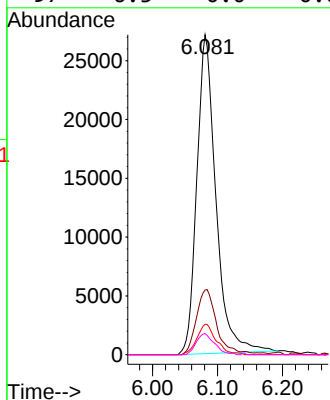
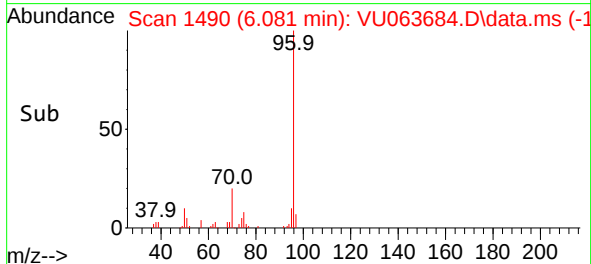
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 96 Resp: 5540
Ion Ratio Lower Upper
96 100
70 20.1 15.3 22.9
95 9.7 6.5 9.7
97 6.3 0.0 0.0#

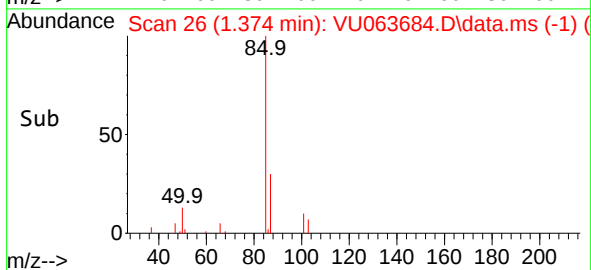
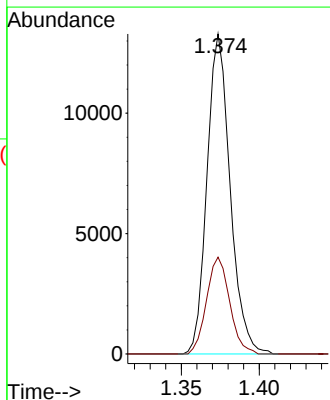
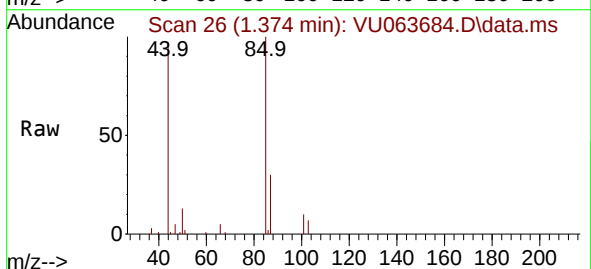
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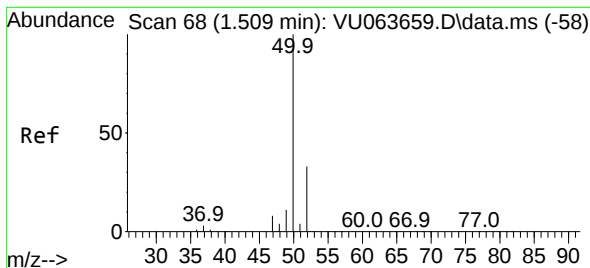
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#2
Dichlorodifluoromethane
Concen: 0.657 ug/l
RT: 1.374 min Scan# 26
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

Tgt Ion: 85 Resp: 13708
Ion Ratio Lower Upper
85 100
87 30.3 16.0 47.9





#3

Chloromethane

Concen: 0.655 ug/l

RT: 1.509 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 50 Resp: 1284

Ion Ratio Lower Upper

50 100

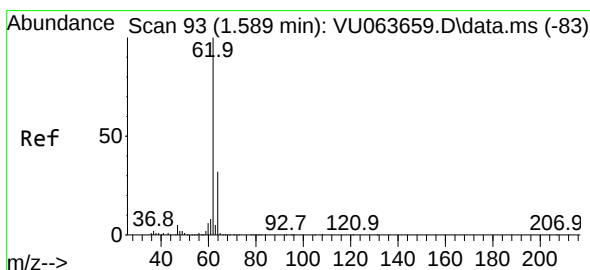
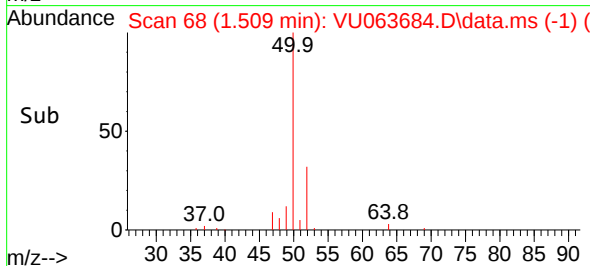
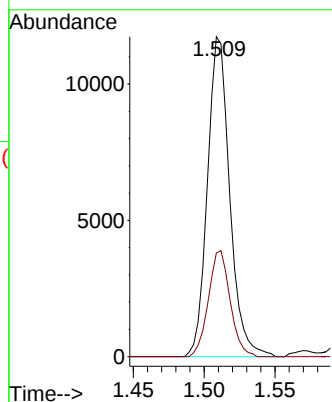
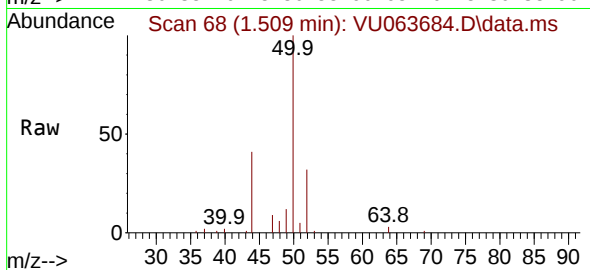
52 32.4 26.6 40.0

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#4

Vinyl Chloride

Concen: 0.680 ug/l

RT: 1.589 min Scan# 93

Delta R.T. -0.000 min

Lab File: VU063684.D

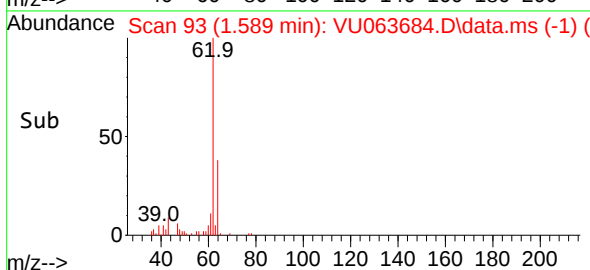
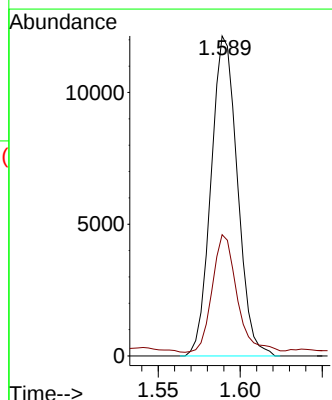
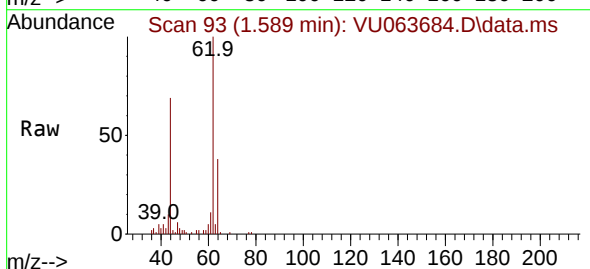
Acq: 07 Nov 2025 13:58

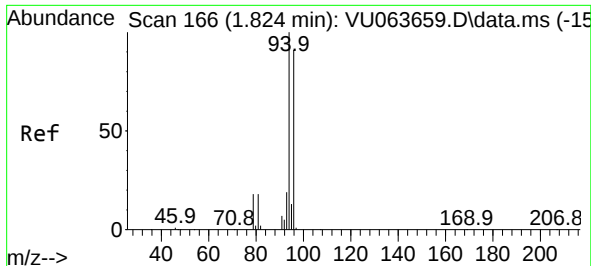
Tgt Ion: 62 Resp: 13565

Ion Ratio Lower Upper

62 100

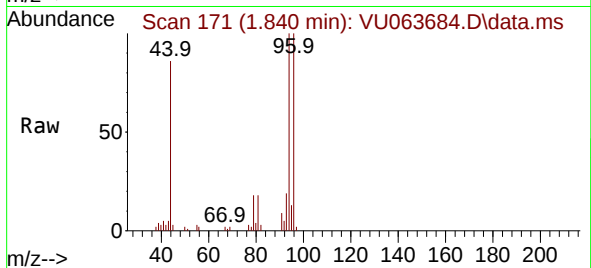
64 36.6 25.2 37.8





#5
Bromomethane
Concen: 0.903 ug/l
RT: 1.840 min Scan# 11
Delta R.T. 0.016 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

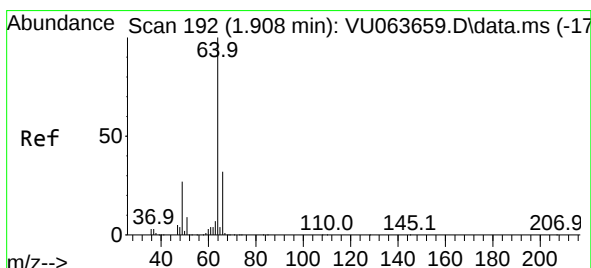
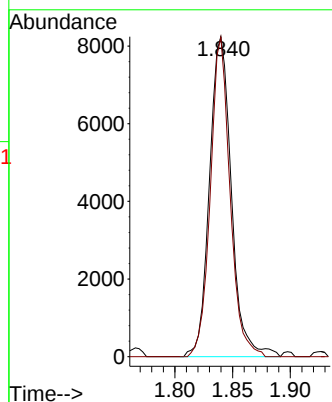
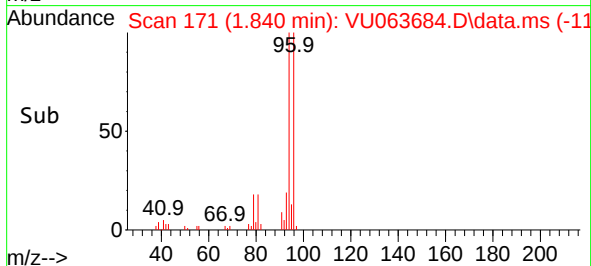
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 94 Resp: 1088
Ion Ratio Lower Upper
94 100
96 99.8 73.0 109.6

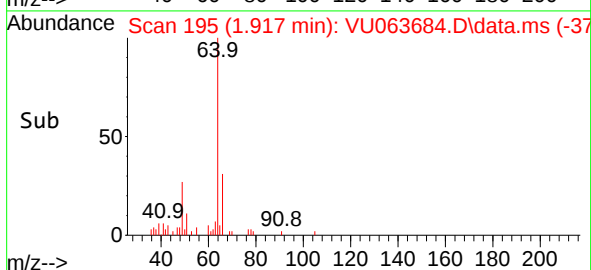
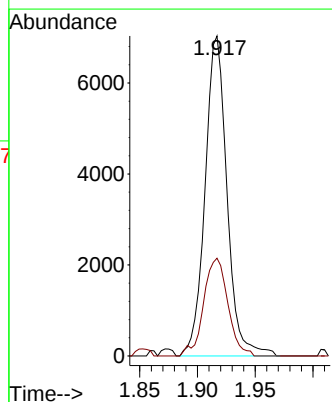
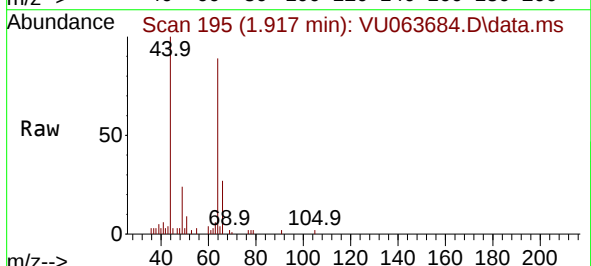
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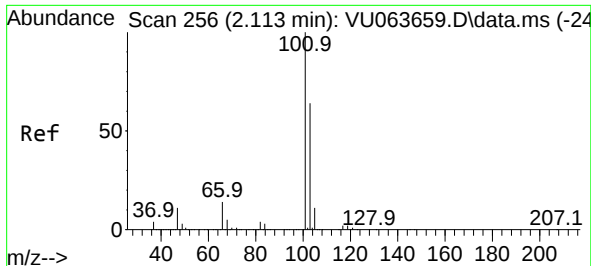
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#6
Chloroethane
Concen: 0.761 ug/l
RT: 1.917 min Scan# 195
Delta R.T. 0.009 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

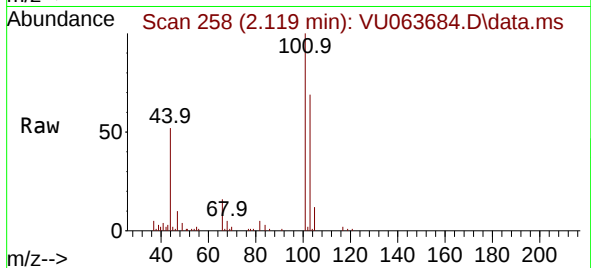
Tgt Ion: 64 Resp: 9319
Ion Ratio Lower Upper
64 100
66 30.5 25.4 38.2





#7
 Trichlorofluoromethane
 Concen: 0.723 ug/l
 RT: 2.119 min Scan# 210
 Delta R.T. 0.006 min
 Lab File: VU063684.D
 Acq: 07 Nov 2025 13:58

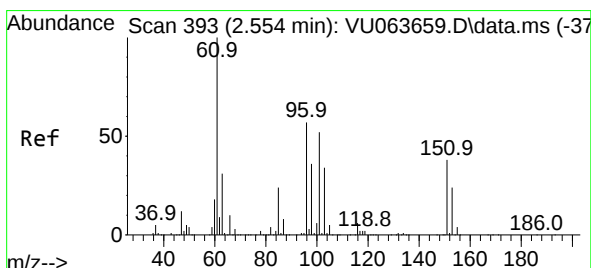
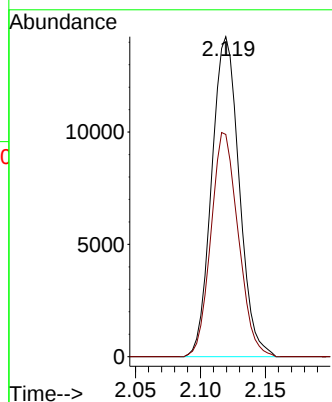
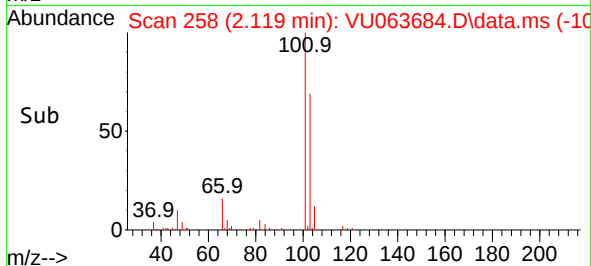
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025



Tgt Ion:101 Resp: 2098
 Ion Ratio Lower Upper
 101 100
 103 69.4 51.0 76.6

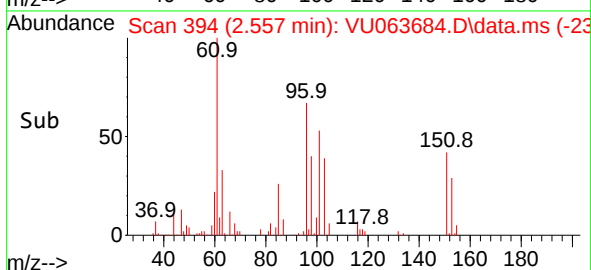
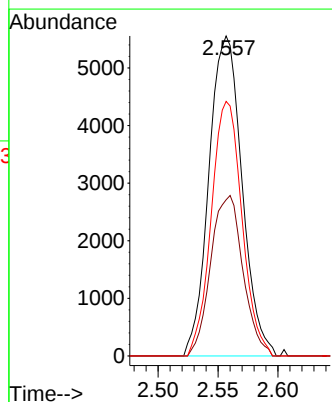
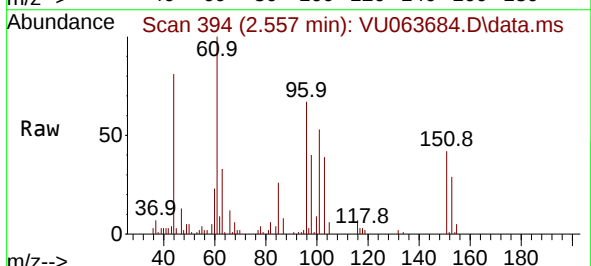
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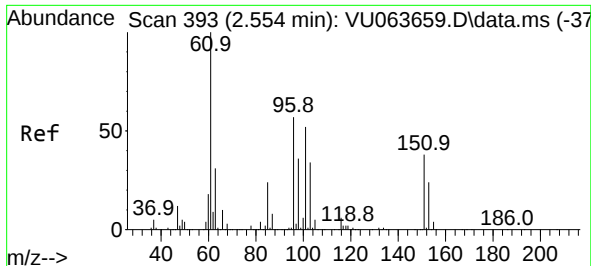
Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025



#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.690 ug/l
 RT: 2.557 min Scan# 394
 Delta R.T. 0.003 min
 Lab File: VU063684.D
 Acq: 07 Nov 2025 13:58

Tgt Ion:101 Resp: 10642
 Ion Ratio Lower Upper
 101 100
 85 48.9 37.0 55.4
 151 73.8 57.2 85.8





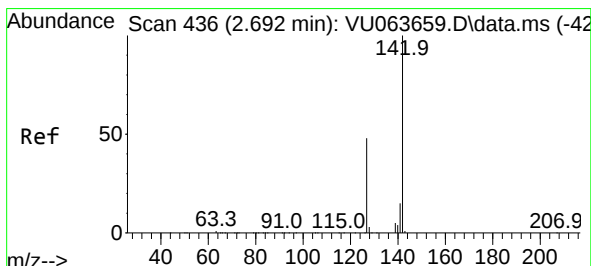
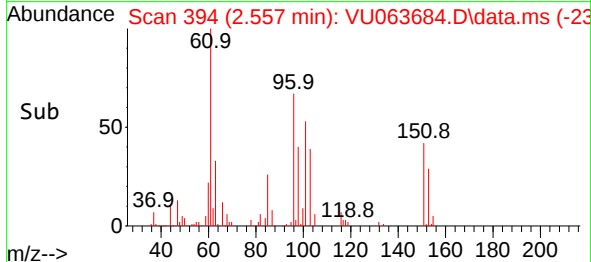
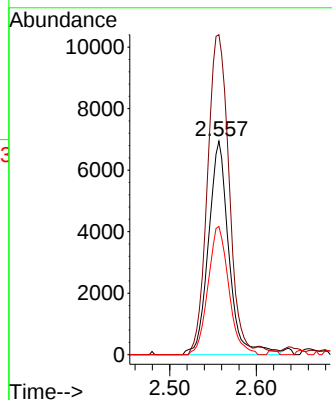
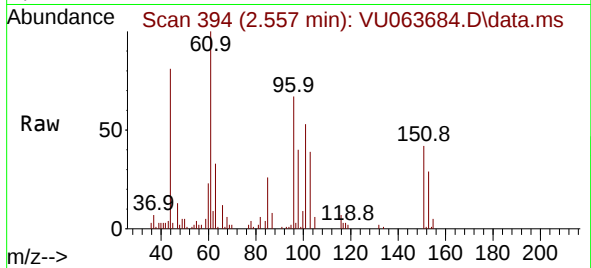
#9
1,1-Dichloroethene
Concen: 0.759 ug/l
RT: 2.557 min Scan# 394
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

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

Tgt Ion: 96 Resp: 1134
Ion Ratio Lower Upper
96 100
61 150.0 0.0 524.7
98 60.1 0.0 126.8

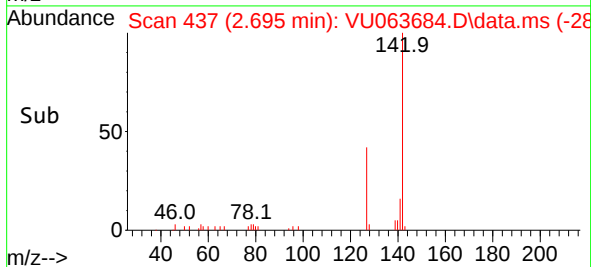
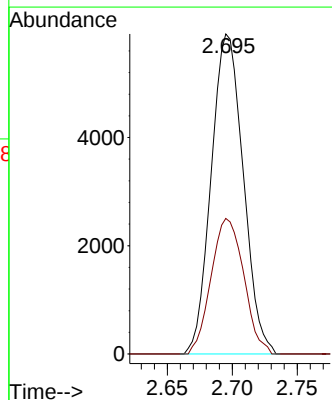
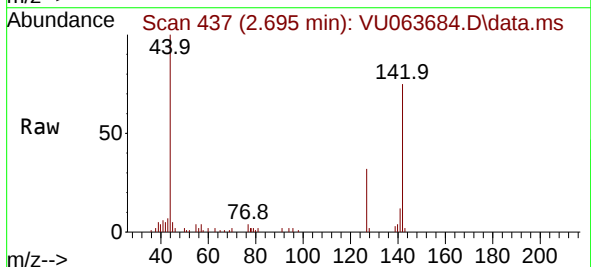
Manual Integrations
APPROVED

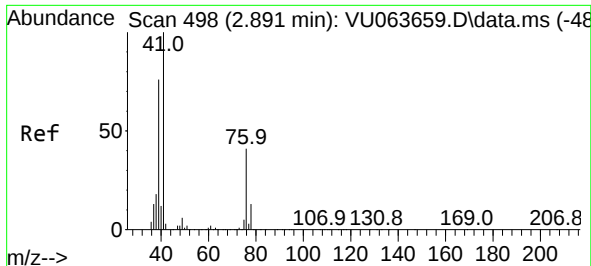
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#10
Iodomethane
Concen: 0.457 ug/l
RT: 2.695 min Scan# 437
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

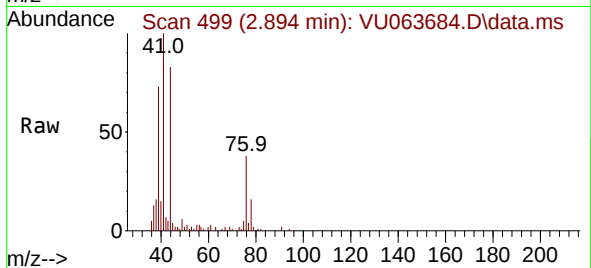
Tgt Ion:142 Resp: 10131
Ion Ratio Lower Upper
142 100
127 43.2 38.6 58.0





#11
 Allyl Chloride
 Concen: 0.682 ug/l
 RT: 2.894 min Scan# 498
 Delta R.T. 0.003 min
 Lab File: VU063684.D
 Acq: 07 Nov 2025 13:58

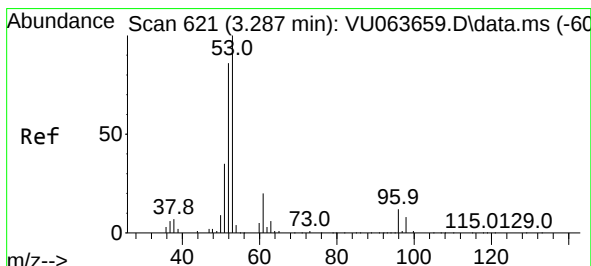
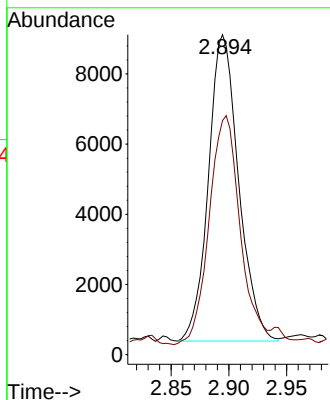
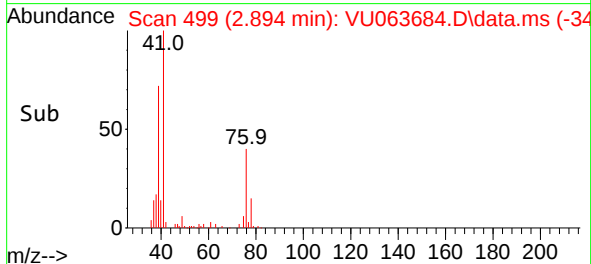
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025



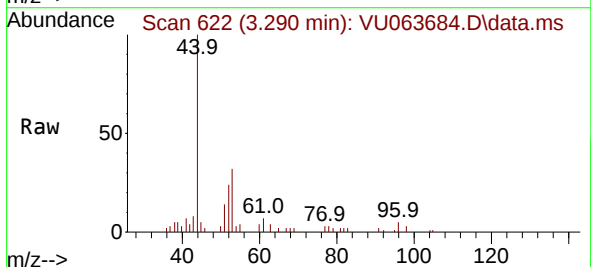
Tgt Ion: 41 Resp: 1591
 Ion Ratio Lower Upper
 41 100
 39 76.3 61.0 91.4

Manual Integrations
 APPROVED

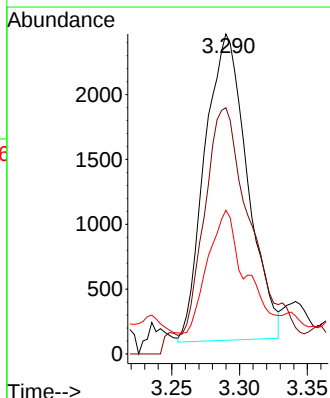
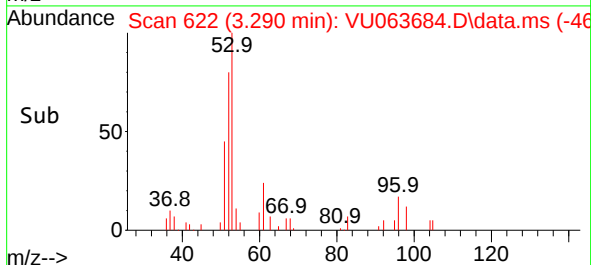
Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025

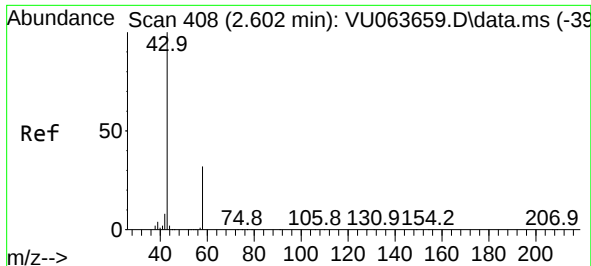


#12
 Acrylonitrile
 Concen: 1.396 ug/l
 RT: 3.290 min Scan# 622
 Delta R.T. 0.003 min
 Lab File: VU063684.D
 Acq: 07 Nov 2025 13:58



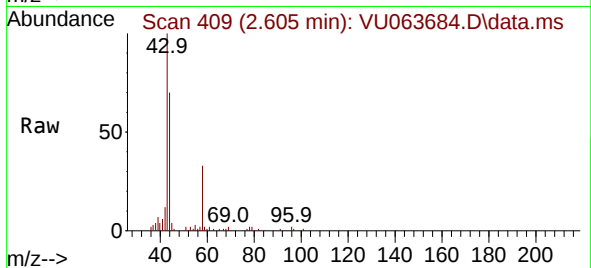
Tgt Ion: 53 Resp: 5159
 Ion Ratio Lower Upper
 53 100
 52 95.0 65.4 98.0
 51 36.2 27.6 41.4





#13
Acetone
Concen: 2.924 ug/l
RT: 2.605 min Scan# 408
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

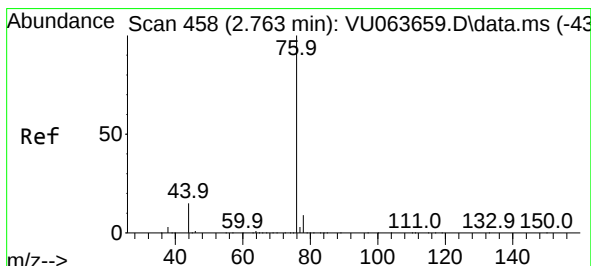
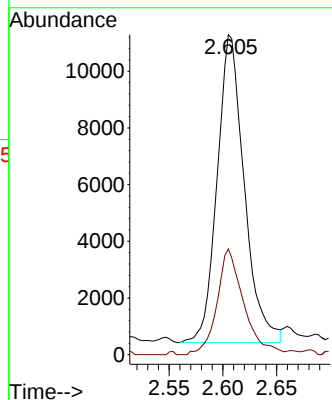
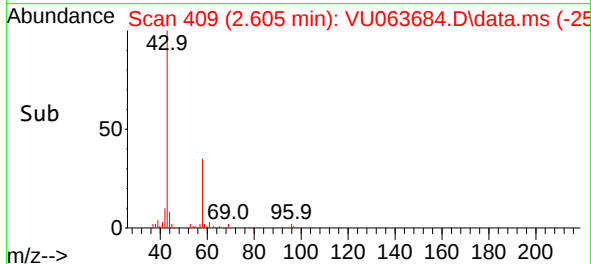
Instrument : MSVOA_U
Client Sample Id : MDL-WATER-03-QT4-2025



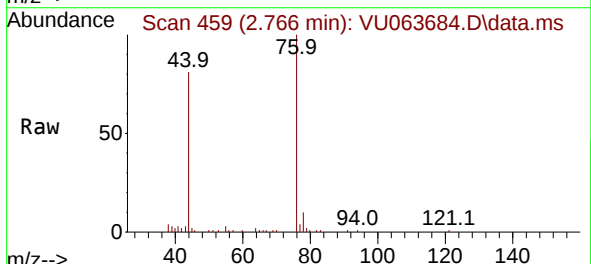
Tgt Ion: 43 Resp: 1908
Ion Ratio Lower Upper
43 100
58 34.3 25.2 37.8

Manual Integrations
APPROVED

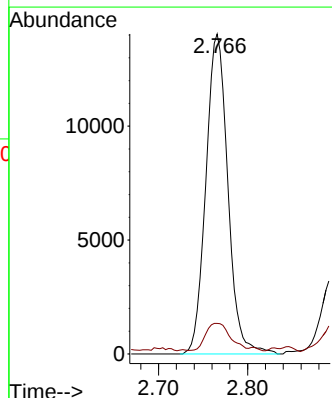
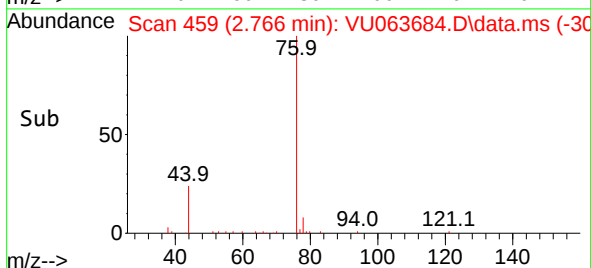
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

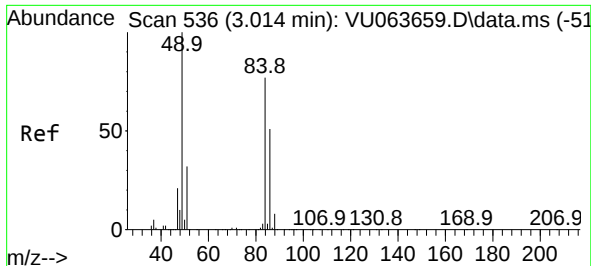


#14
Carbon Disulfide
Concen: 0.570 ug/l
RT: 2.766 min Scan# 459
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58



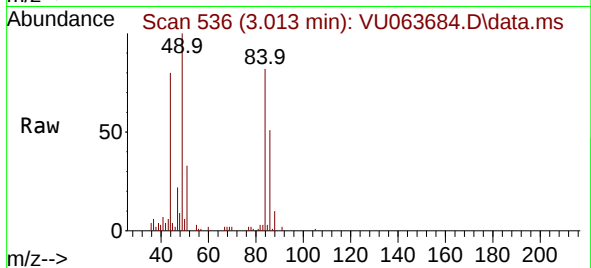
Tgt Ion: 76 Resp: 23988
Ion Ratio Lower Upper
76 100
78 8.3 7.5 11.3





#15
Methylene Chloride
Concen: 0.787 ug/l
RT: 3.013 min Scan# 510
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

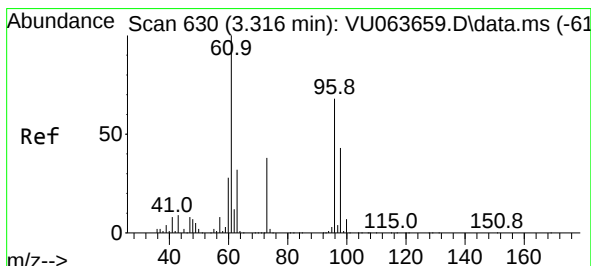
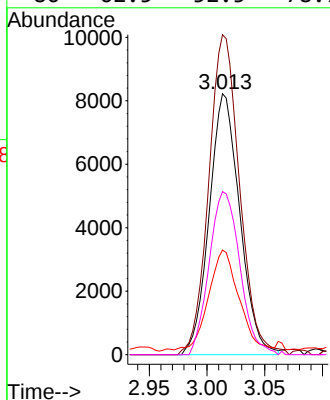
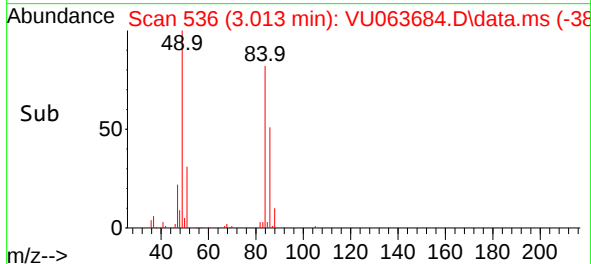
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:	84	Resp:	1510
Ion	Ratio	Lower	Upper
84	100		
49	122.6	103.4	155.0
51	37.7	0.0	81.6
86	62.5	52.5	78.7

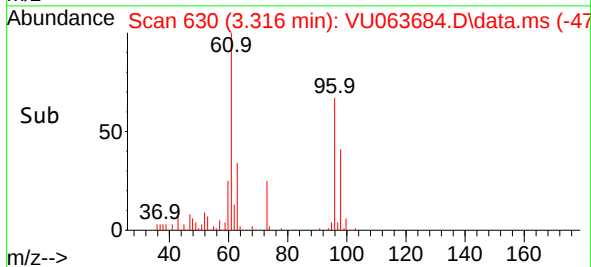
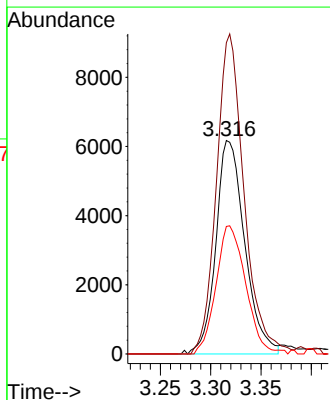
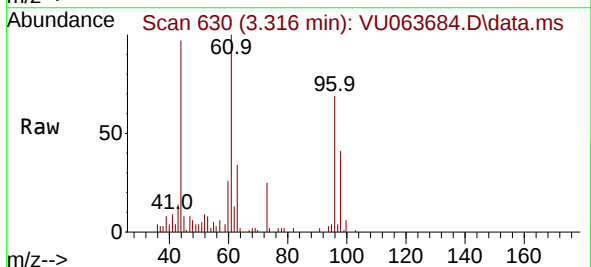
Manual Integrations
APPROVED

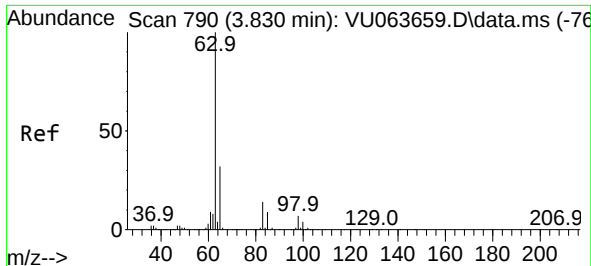
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#16
trans-1,2-Dichloroethene
Concen: 0.749 ug/l
RT: 3.316 min Scan# 630
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

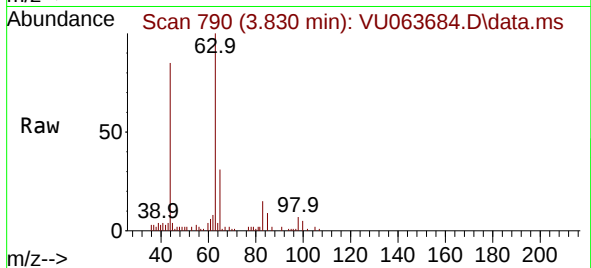
Tgt Ion:	96	Resp:	12335
Ion	Ratio	Lower	Upper
96	100		
61	145.8	117.4	176.2
98	59.8	49.9	74.9





#17
1,1-Dichloroethane
Concen: 0.748 ug/l
RT: 3.830 min Scan# 790
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

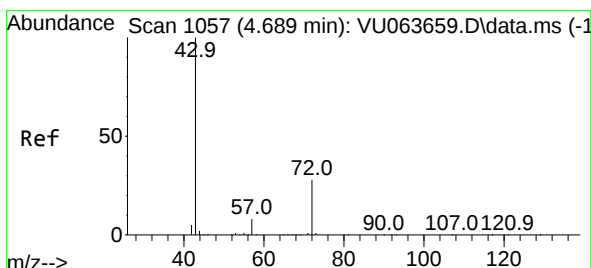
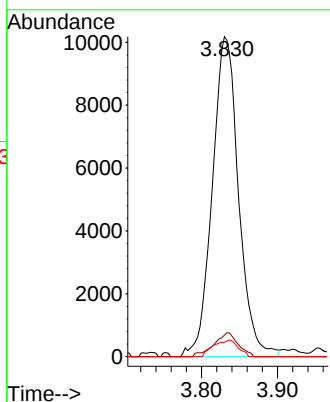
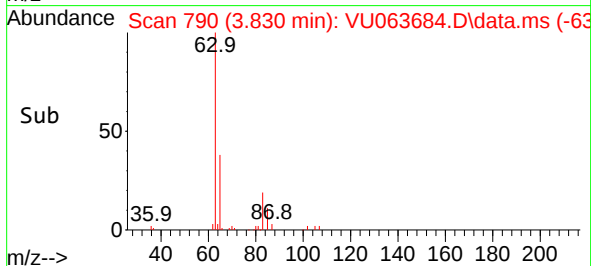
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



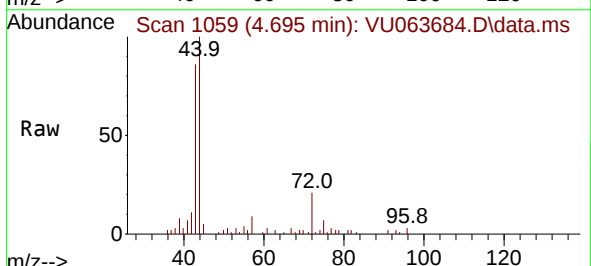
Tgt Ion: 63 Resp: 2442
Ion Ratio Lower Upper
63 100
98 6.7 3.5 10.5
100 4.5 2.2 6.6

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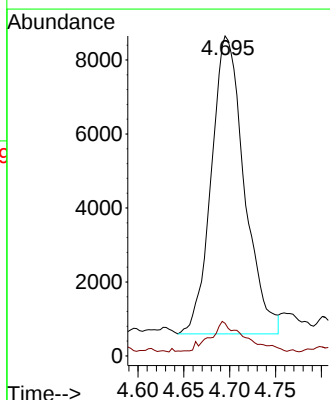
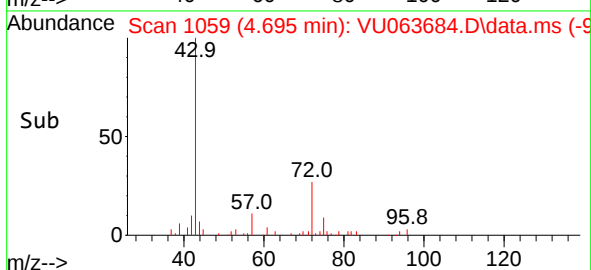
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

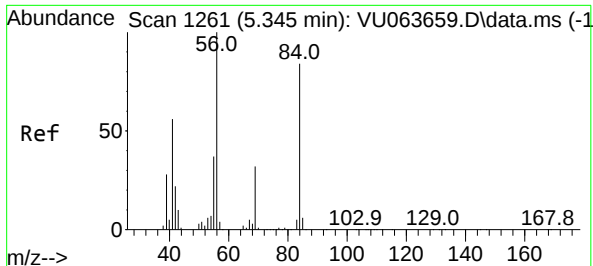


#18
2-Butanone
Concen: 2.910 ug/l
RT: 4.695 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58



Tgt Ion: 43 Resp: 20149
Ion Ratio Lower Upper
43 100
57 9.3 0.0 16.6





#19

Cyclohexane

Concen: 0.722 ug/l

RT: 5.341 min Scan# 1261

Delta R.T. -0.003 min

Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 56 Resp: 18014

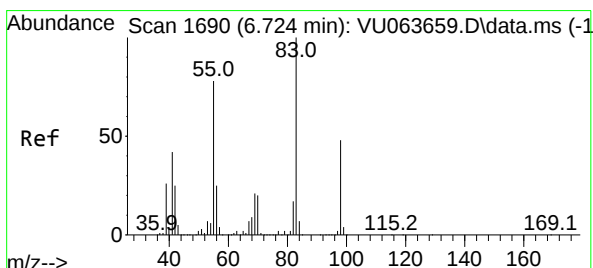
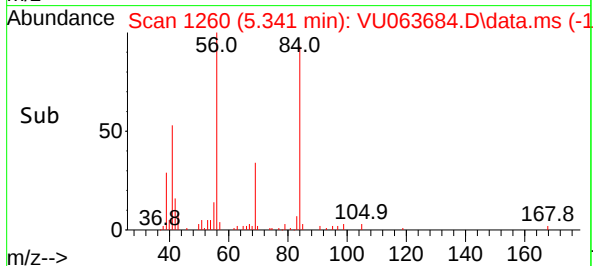
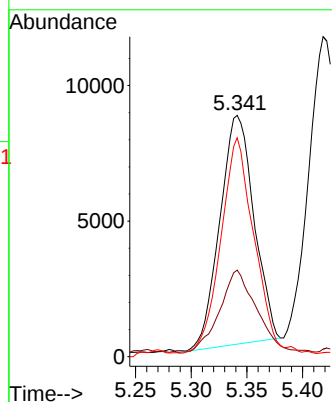
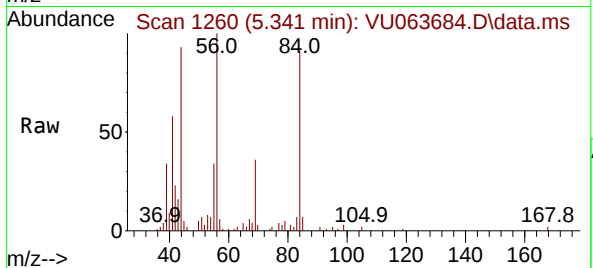
Ion	Ratio	Lower	Upper
56	100		
69	37.7	27.1	40.7
84	91.9	73.4	110.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#20

Methylcyclohexane

Concen: 0.678 ug/l

RT: 6.727 min Scan# 1691

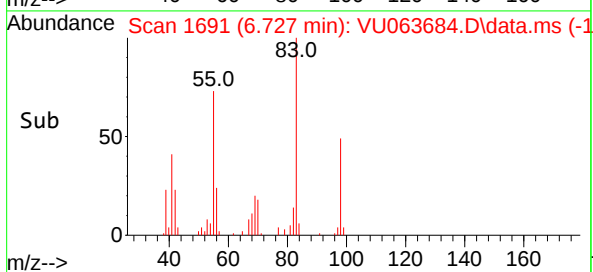
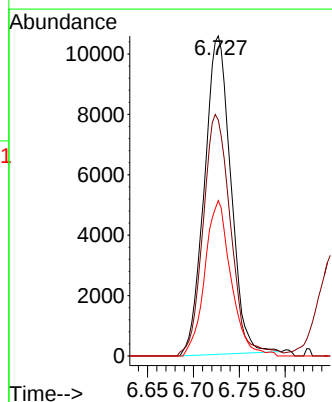
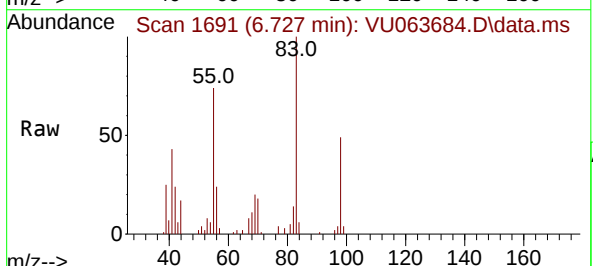
Delta R.T. 0.003 min

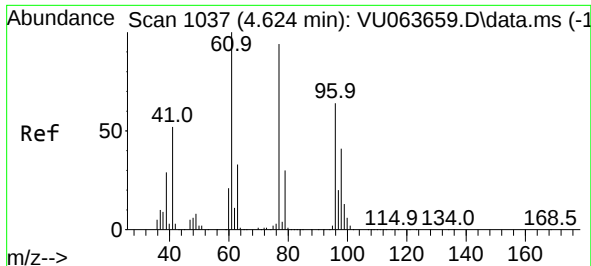
Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

Tgt Ion: 83 Resp: 21049

Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.5	92.3
98	48.5	37.9	56.9





#21

2,2-Dichloropropane

Concen: 0.648 ug/l

RT: 4.627 min Scan# 1037

Delta R.T. 0.003 min

Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 77 Resp: 1896

Ion Ratio Lower Upper

77 100

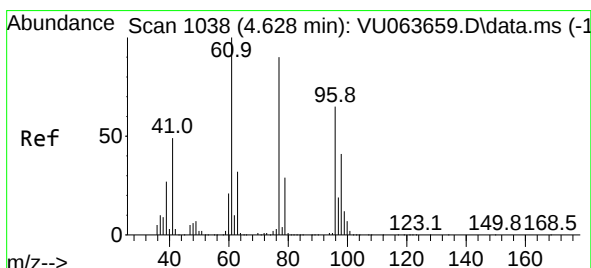
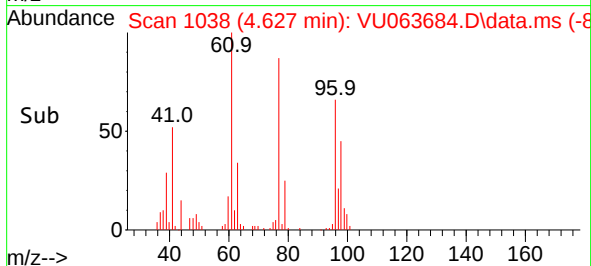
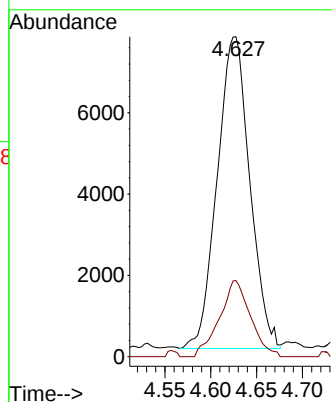
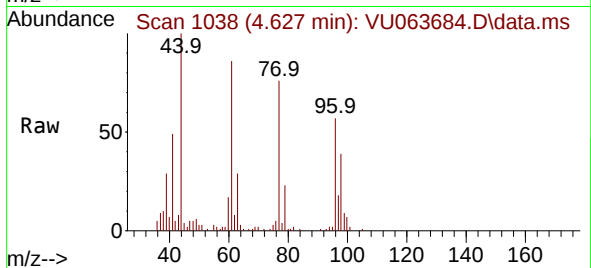
97 23.1 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#22

cis-1,2-Dichloroethene

Concen: 0.757 ug/l

RT: 4.631 min Scan# 1039

Delta R.T. 0.003 min

Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

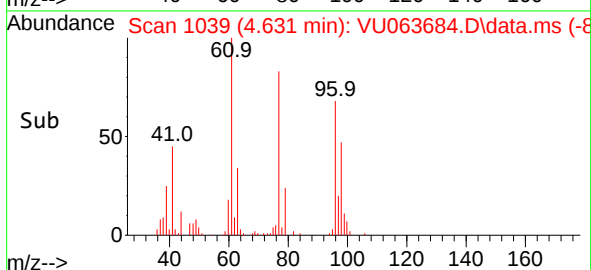
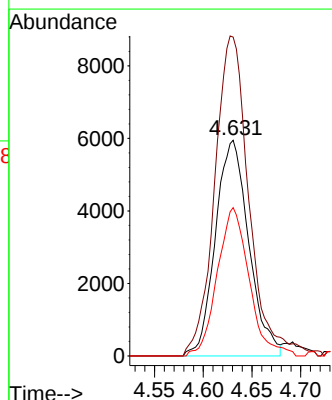
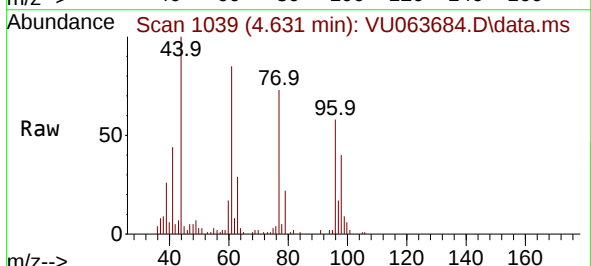
Tgt Ion: 96 Resp: 14192

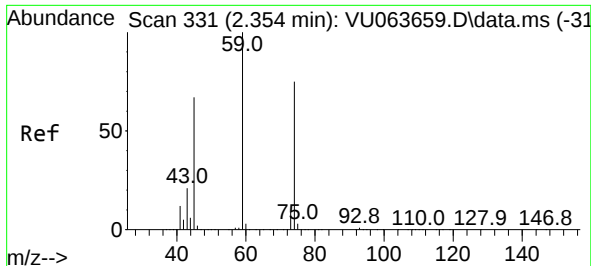
Ion Ratio Lower Upper

96 100

61 151.8 0.0 385.0

98 65.4 31.3 93.9





#23

Diethyl Ether

Concen: 0.697 ug/l

RT: 2.357 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 59 Resp: 853

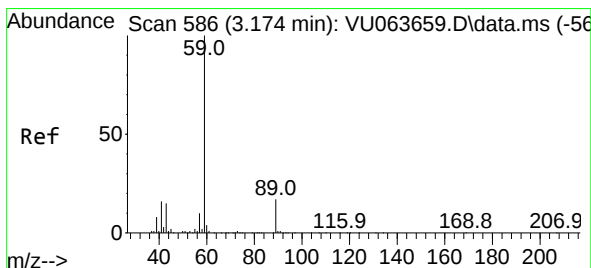
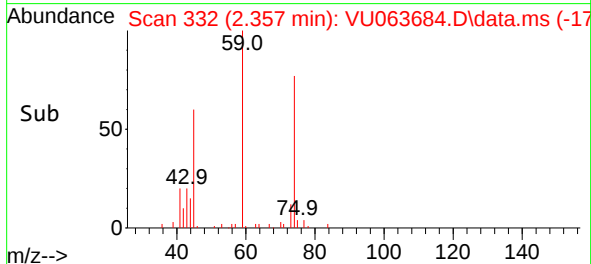
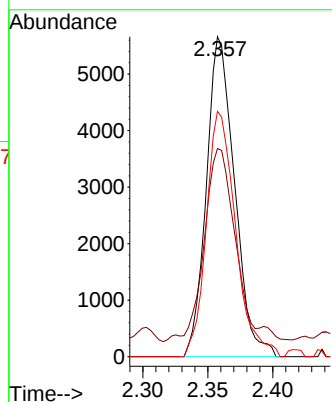
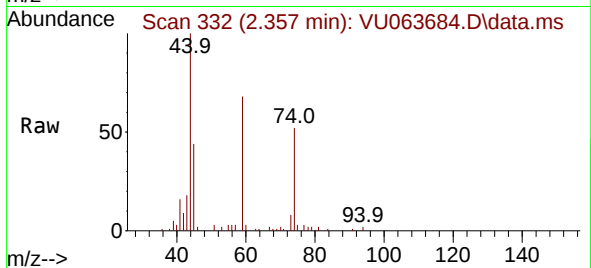
Ion	Ratio	Lower	Upper
59	100		
45	65.5	52.6	78.8
74	79.6	59.4	89.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#24

tert-Butyl Alcohol

Concen: 6.914 ug/l

RT: 3.177 min Scan# 587

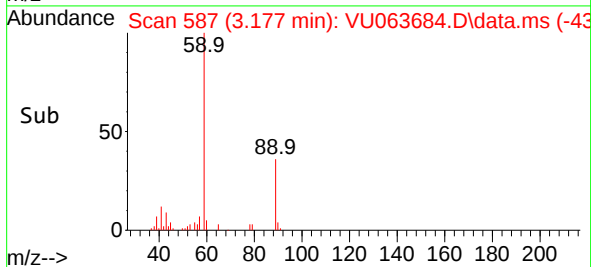
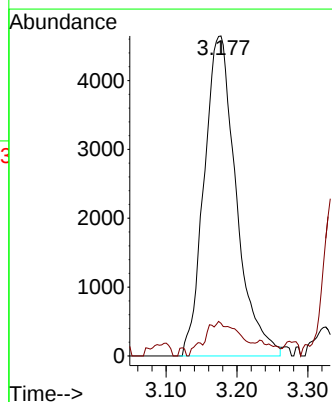
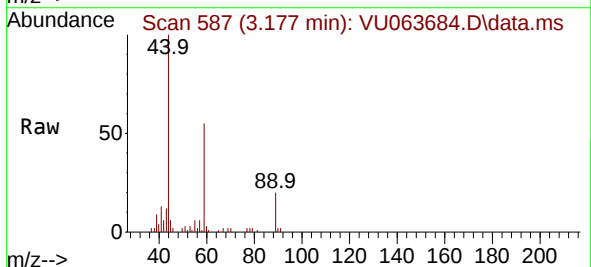
Delta R.T. 0.003 min

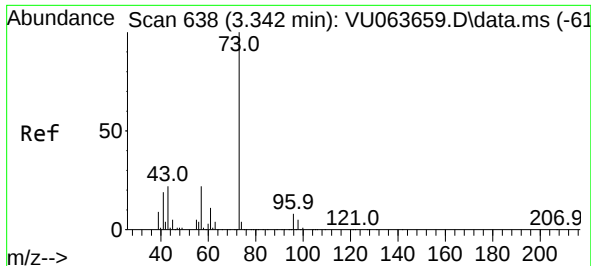
Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

Tgt Ion: 59 Resp: 14586

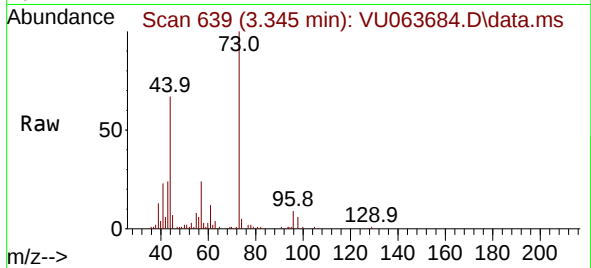
Ion	Ratio	Lower	Upper
59	100		
57	11.8	7.2	10.8





#25
Methyl tert-Butyl Ether
Concen: 0.702 ug/l
RT: 3.345 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

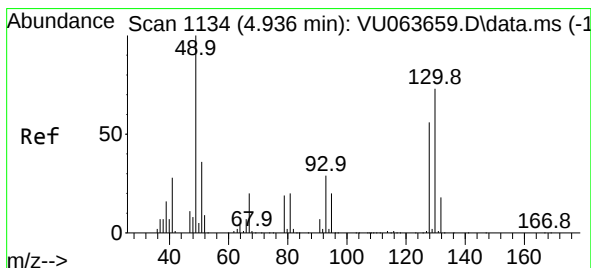
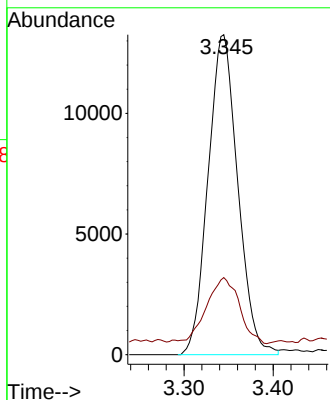
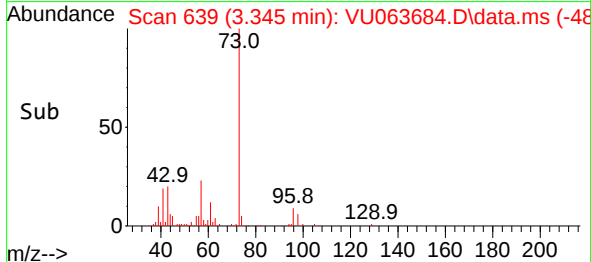
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 73 Resp: 30730
Ion Ratio Lower Upper
73 100
43 22.8 17.4 26.0

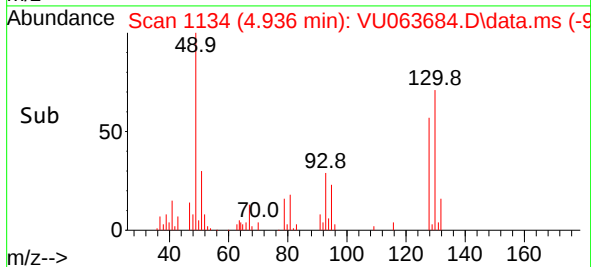
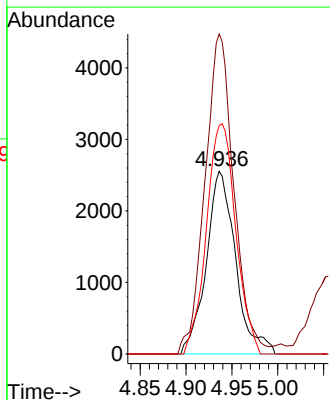
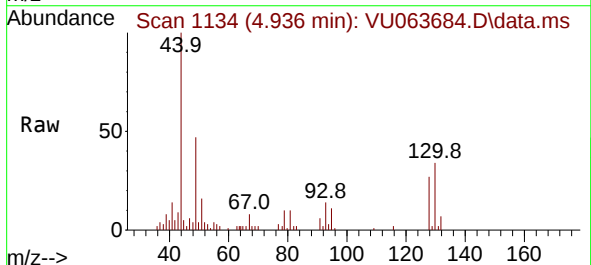
Manual Integrations
APPROVED

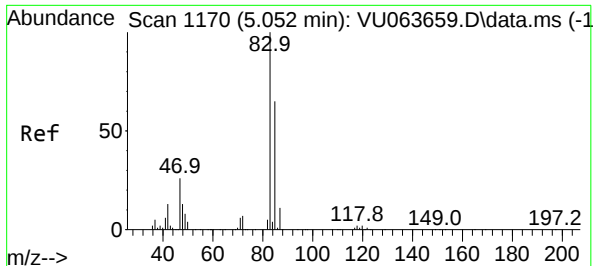
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#26
Bromochloromethane
Concen: 0.718 ug/l
RT: 4.936 min Scan# 1134
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

Tgt Ion:128 Resp: 5677
Ion Ratio Lower Upper
128 100
49 172.1 0.0 349.6
130 126.4 102.7 154.1





#27

Chloroform

Concen: 0.735 ug/l

RT: 5.052 min Scan# 1170

Delta R.T. -0.000 min

Lab File: VU063684.D

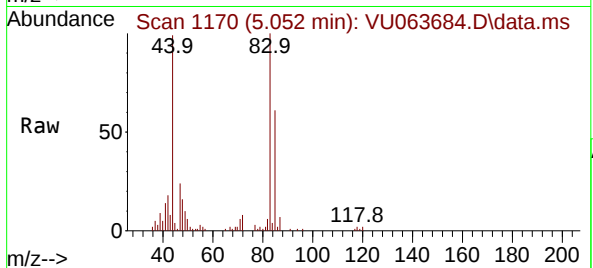
Acq: 07 Nov 2025 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025



Tgt Ion: 83 Resp: 2453

Ion Ratio Lower Upper

83 100

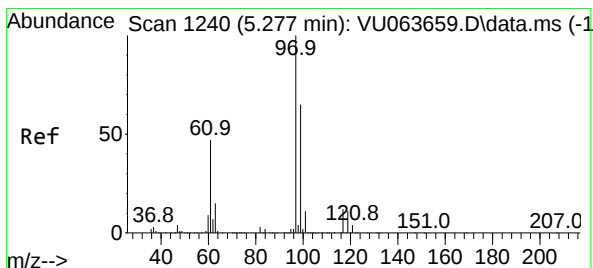
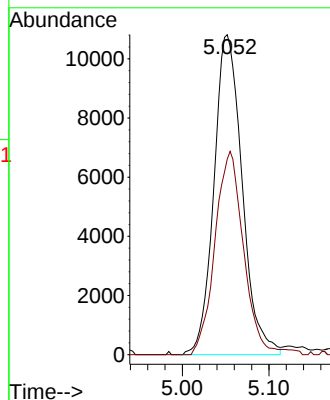
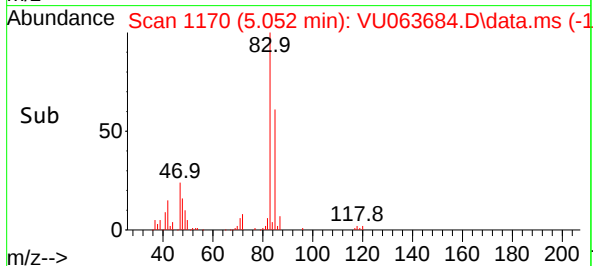
85 61.1 0.0 130.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#28

1,1,1-Trichloroethane

Concen: 0.673 ug/l

RT: 5.274 min Scan# 1239

Delta R.T. -0.003 min

Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

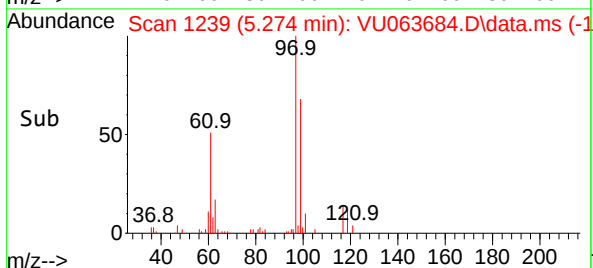
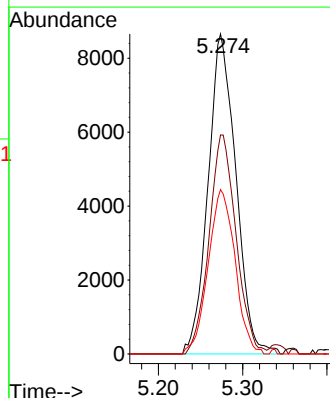
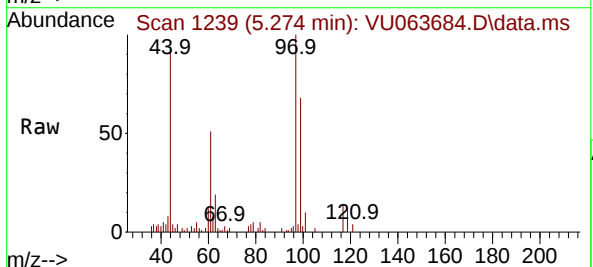
Tgt Ion: 97 Resp: 19819

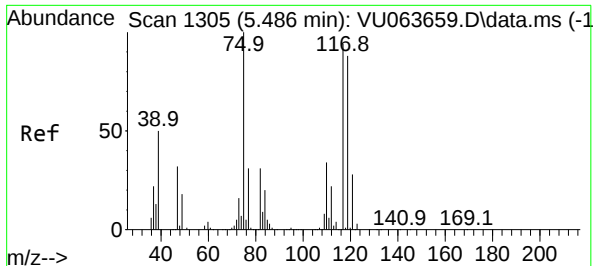
Ion Ratio Lower Upper

97 100

99 66.7 32.3 96.8

61 49.8 23.3 69.8





#29

1,1-Dichloropropene

Concen: 0.736 ug/l

RT: 5.486 min Scan# 1100

Delta R.T. -0.000 min

Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

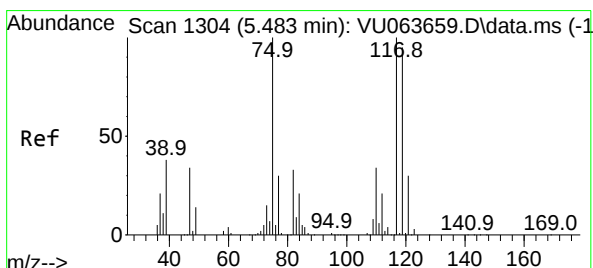
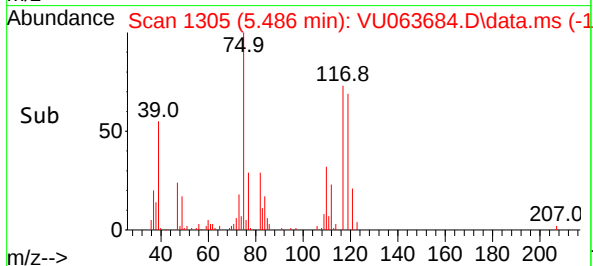
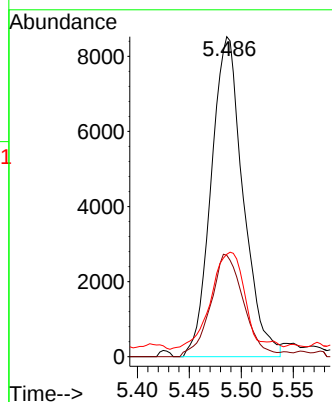
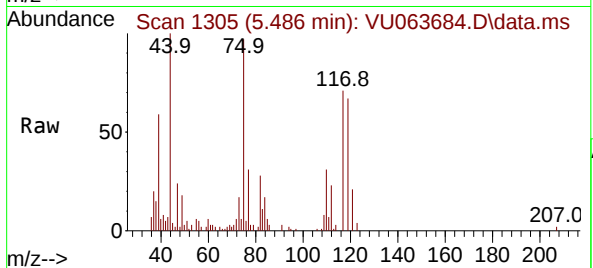
Tgt Ion:	75	Resp:	1818
Ion Ratio	Lower	Upper	
75	100		
110	33.0	17.2	51.5
77	31.0	24.5	36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#30

Carbon Tetrachloride

Concen: 0.662 ug/l

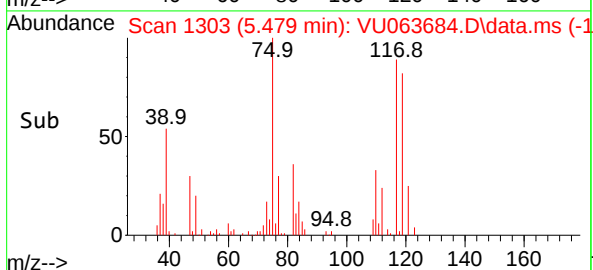
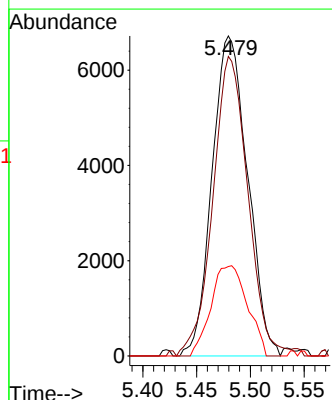
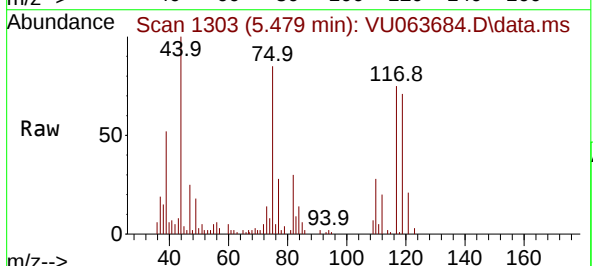
RT: 5.479 min Scan# 1303

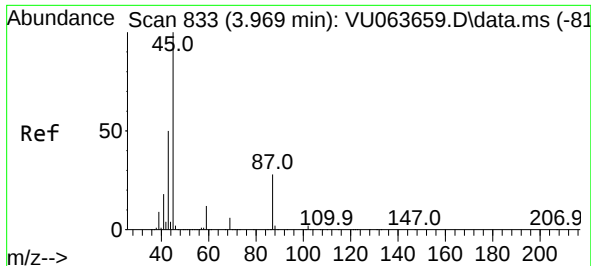
Delta R.T. -0.003 min

Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

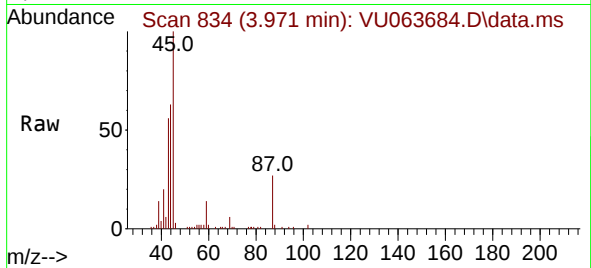
Tgt Ion:	117	Resp:	15434
Ion Ratio	Lower	Upper	
117	100		
119	91.8	75.7	113.5
121	27.9	23.8	35.6





#31
Isopropyl Ether
Concen: 0.715 ug/l
RT: 3.971 min Scan# 833
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

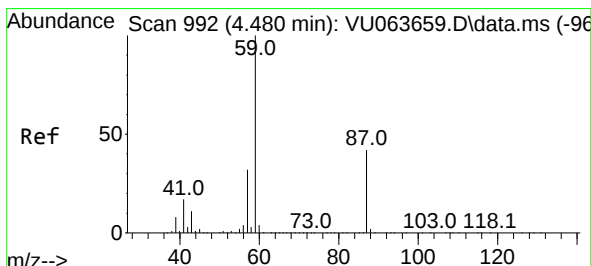
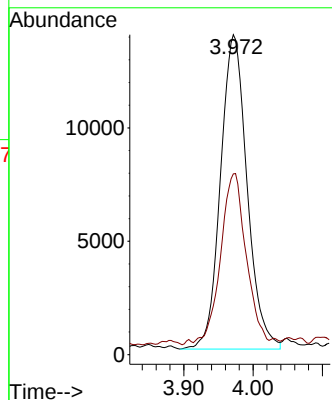
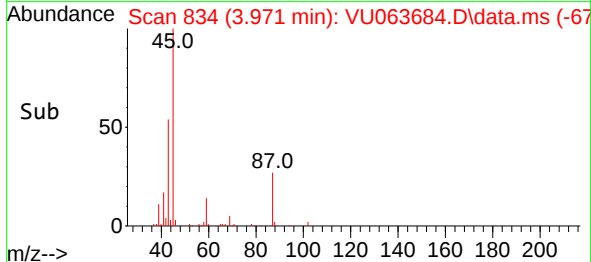
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 45 Resp: 3696
Ion Ratio Lower Upper
45 100
43 51.0 25.3 75.9

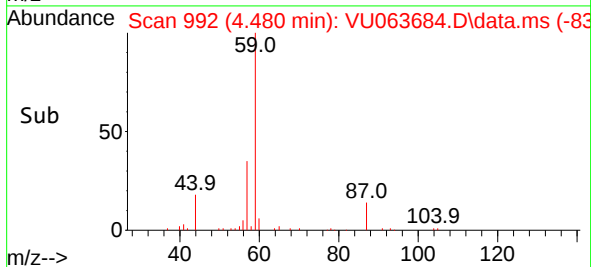
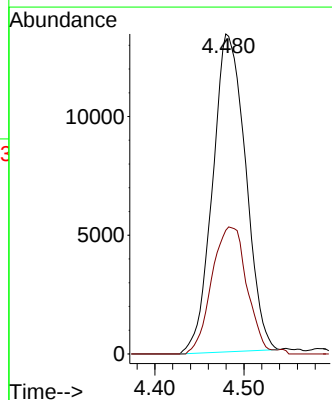
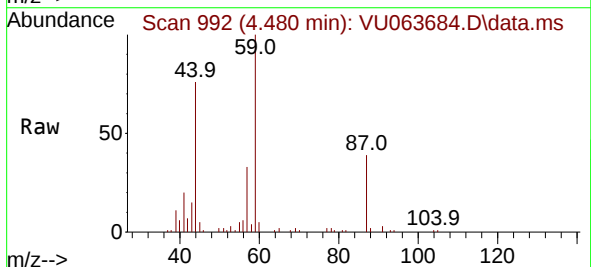
Manual Integrations
APPROVED

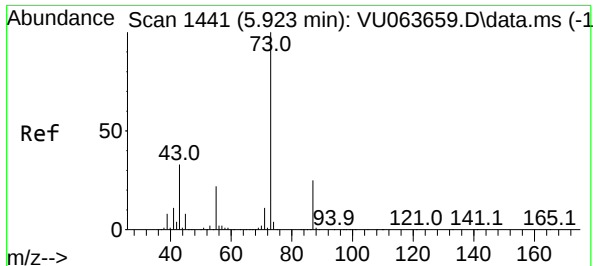
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#32
Ethyl-t-butyl ether
Concen: 0.689 ug/l
RT: 4.480 min Scan# 992
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

Tgt Ion: 59 Resp: 34315
Ion Ratio Lower Upper
59 100
87 41.2 33.0 49.6





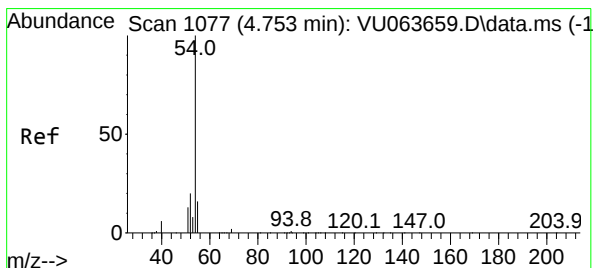
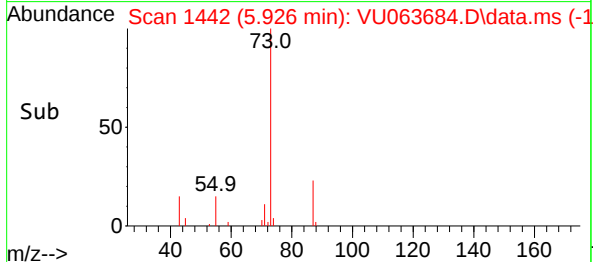
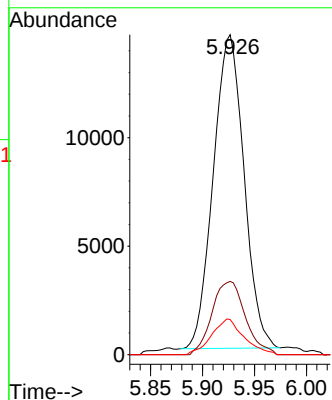
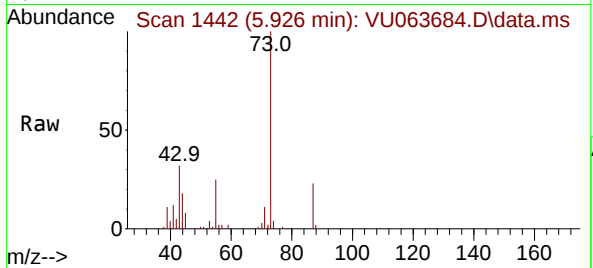
#33
Tert-Amyl methyl ether
Concen: 0.684 ug/l
RT: 5.926 min Scan# 1441
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

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

Tgt Ion: 73 Resp: 29664
Ion Ratio Lower Upper
73 100
87 25.3 20.0 30.0
71 12.0 9.0 13.4

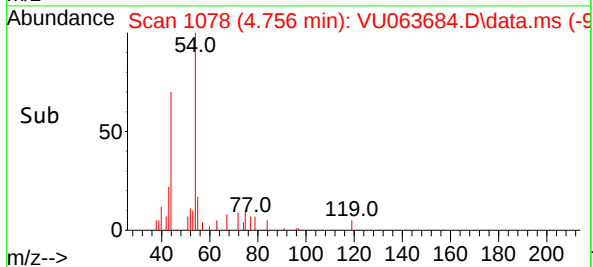
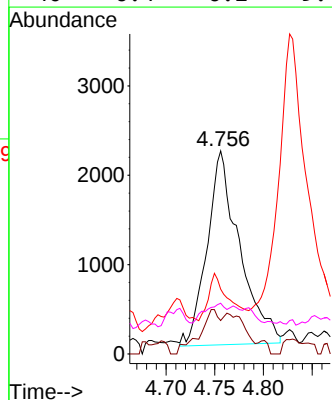
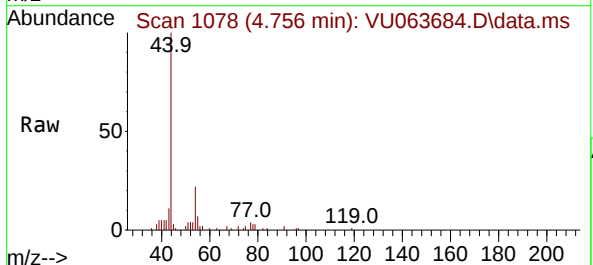
Manual Integrations
APPROVED

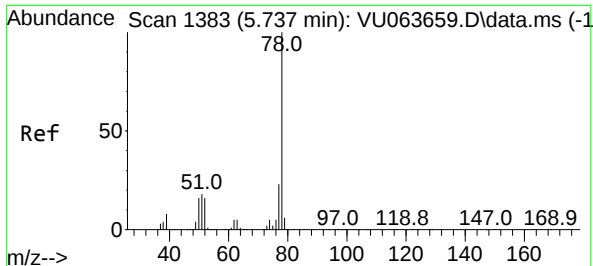
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#34
Propionitrile
Concen: 3.722 ug/l
RT: 4.756 min Scan# 1078
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

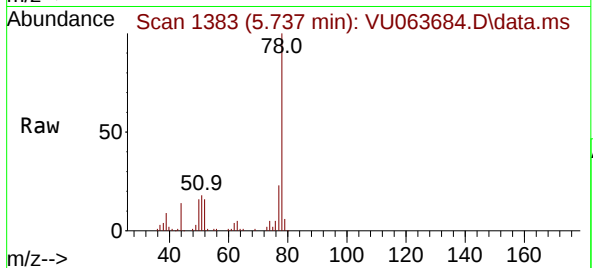
Tgt Ion: 54 Resp: 5035
Ion Ratio Lower Upper
54 100
52 14.3 15.8 23.6#
55 21.2 11.3 16.9#
40 6.4 6.2 9.4





#35
Benzene
Concen: 0.741 ug/l
RT: 5.737 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

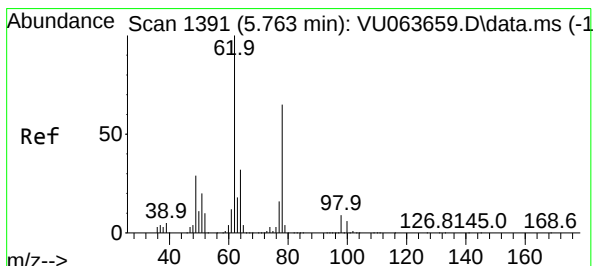
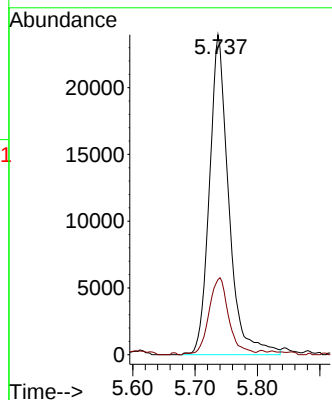
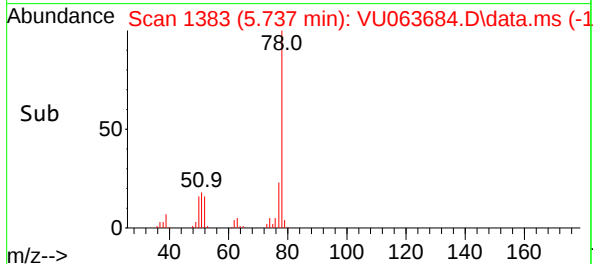
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



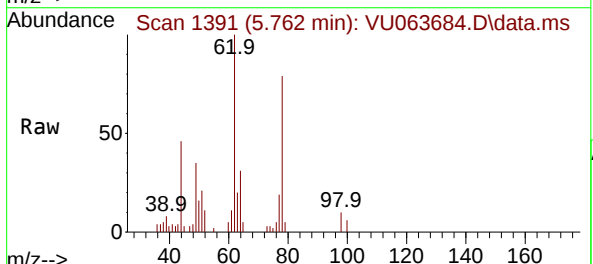
Tgt Ion: 78 Resp: 51599
Ion Ratio Lower Upper
78 100
77 23.4 18.3 27.5

Manual Integrations
APPROVED

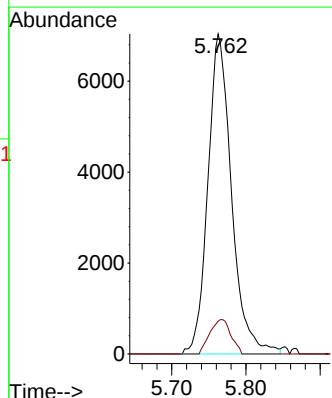
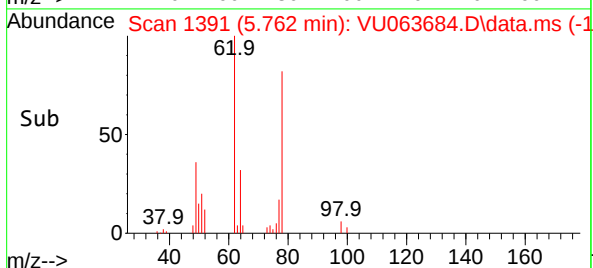
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

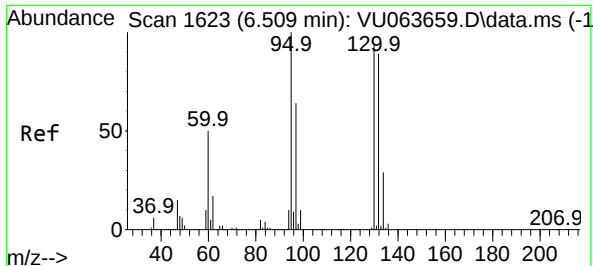


#36
1,2-Dichloroethane
Concen: 0.696 ug/l
RT: 5.762 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58



Tgt Ion: 62 Resp: 15568
Ion Ratio Lower Upper
62 100
98 9.5 6.8 10.2





#37

Trichloroethene

Concen: 0.749 ug/l

RT: 6.512 min Scan# 1623

Delta R.T. 0.003 min

Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion:130 Resp: 1486

Ion Ratio Lower Upper

130 100

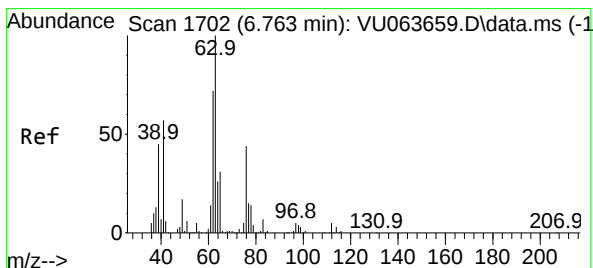
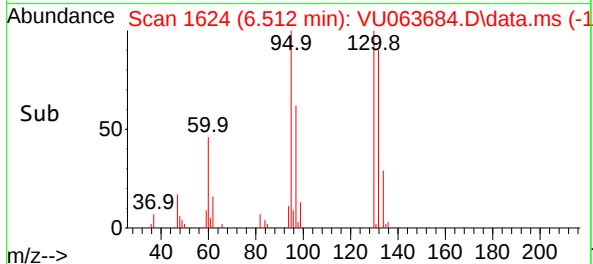
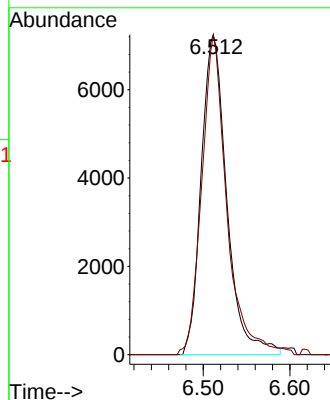
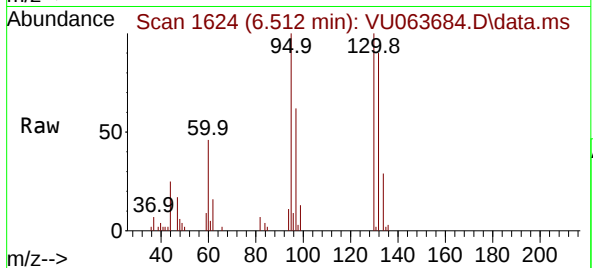
95 98.3 86.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#38

1,2-Dichloropropane

Concen: 0.662 ug/l

RT: 6.766 min Scan# 1703

Delta R.T. 0.003 min

Lab File: VU063684.D

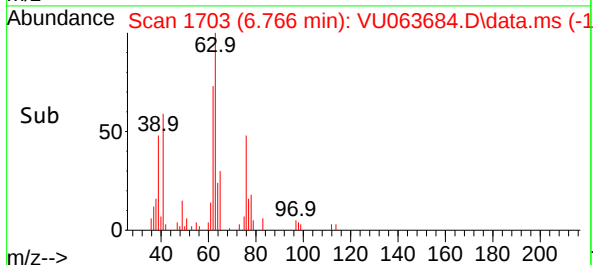
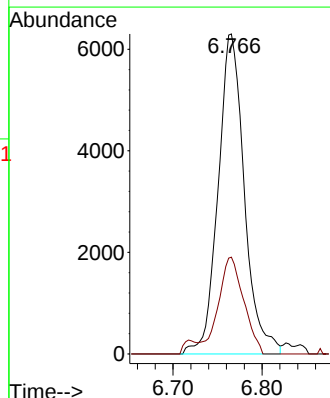
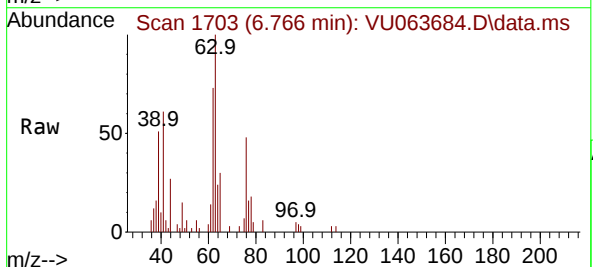
Acq: 07 Nov 2025 13:58

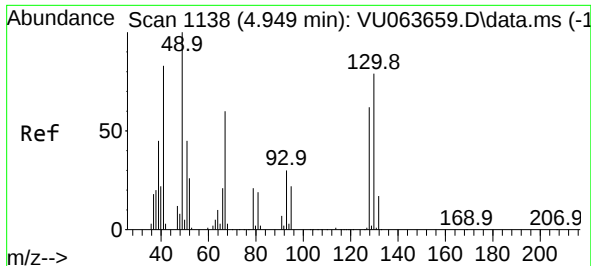
Tgt Ion: 63 Resp: 12904

Ion Ratio Lower Upper

63 100

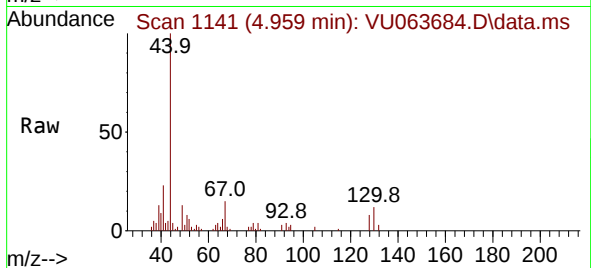
65 30.2 24.5 36.7





#39
Methacrylonitrile
Concen: 0.716 ug/l
RT: 4.959 min Scan# 1138
Delta R.T. 0.009 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

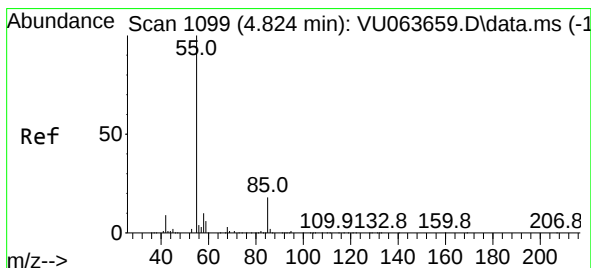
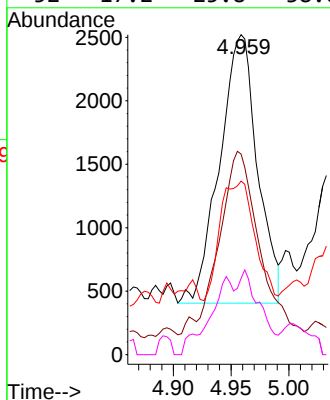
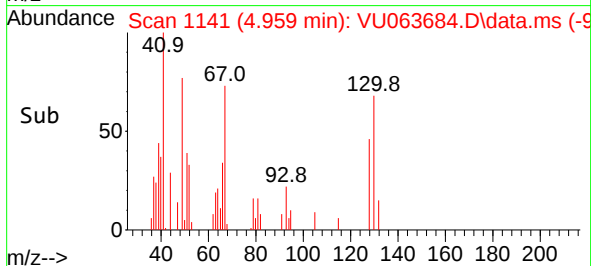
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion	Ratio	Lower	Upper
41	100		
67	73.7	61.4	92.2
39	41.3	46.5	69.7
52	17.2	25.8	38.6

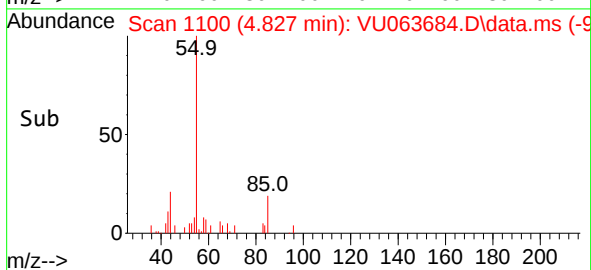
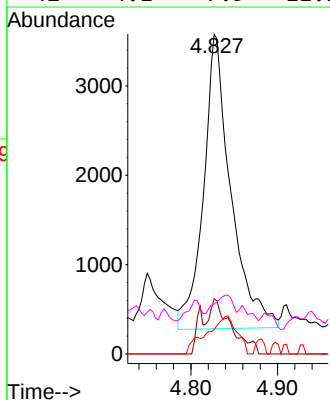
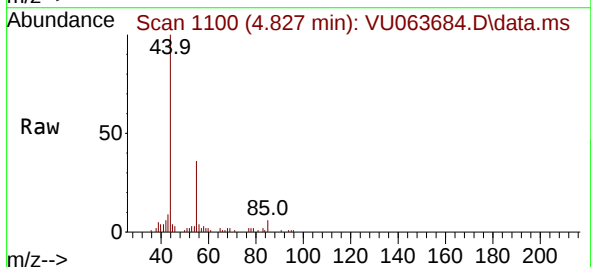
Manual Integrations
APPROVED

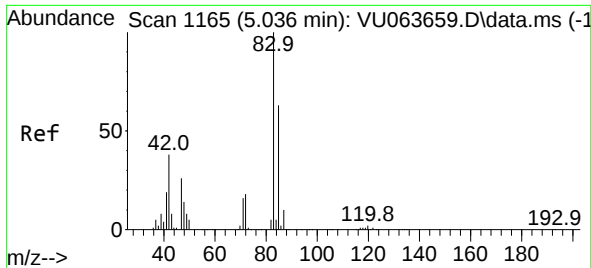
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#40
Methyl acrylate
Concen: 0.737 ug/l
RT: 4.827 min Scan# 1100
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

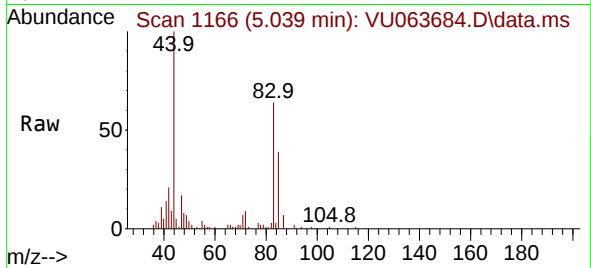
Tgt Ion	Ratio	Lower	Upper
55	100		
85	14.9	15.3	22.9
58	14.2	7.7	11.5
42	4.1	7.9	11.9





#41
Tetrahydrofuran
Concen: 1.750 ug/l
RT: 5.039 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

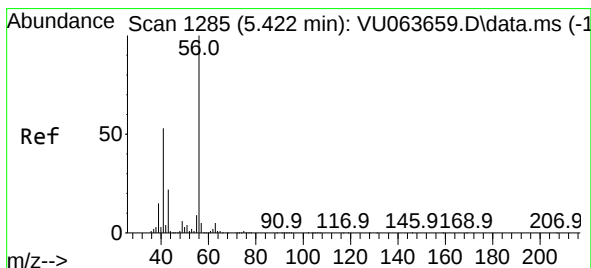
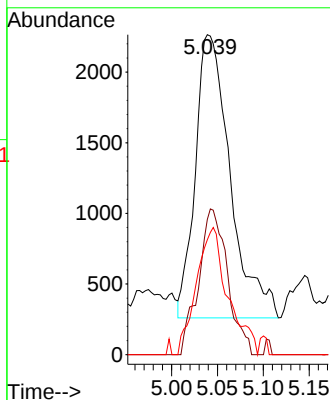
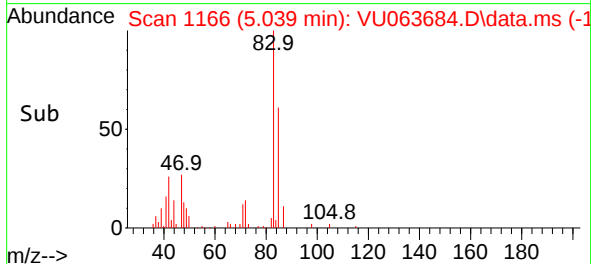
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



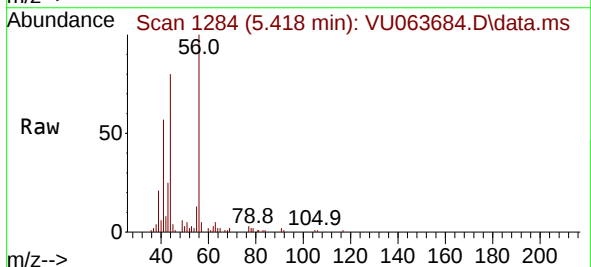
Tgt Ion: 42 Resp: 530
Ion Ratio Lower Upper
42 100
72 42.7 40.5 60.7
71 40.5 35.0 52.6

Manual Integrations
APPROVED

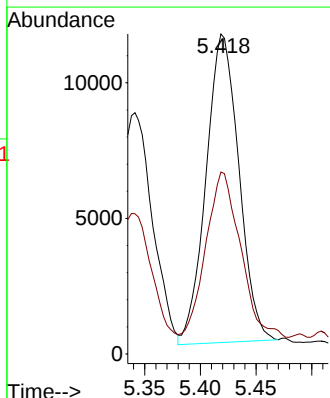
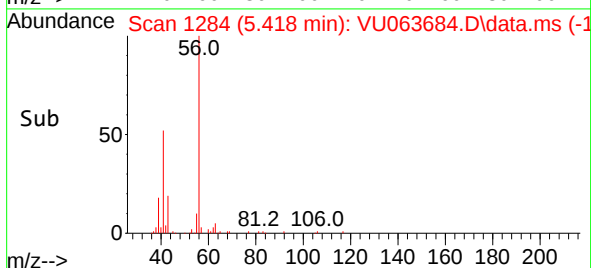
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

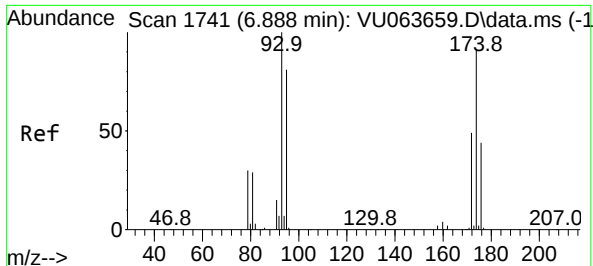


#42
1-Chlorobutane
Concen: 0.705 ug/l
RT: 5.418 min Scan# 1284
Delta R.T. -0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58



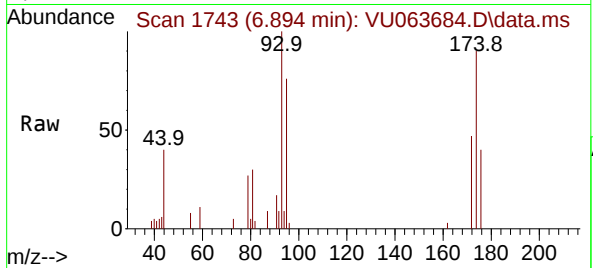
Tgt Ion: 56 Resp: 23352
Ion Ratio Lower Upper
56 100
41 57.2 25.9 77.6





#43
Dibromomethane
Concen: 0.697 ug/l
RT: 6.894 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

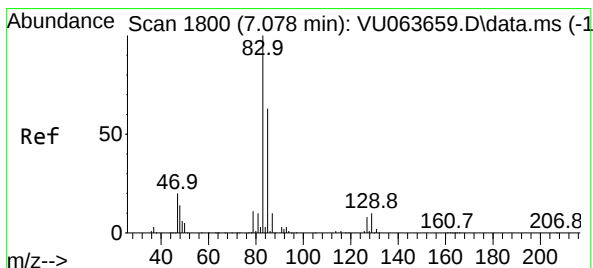
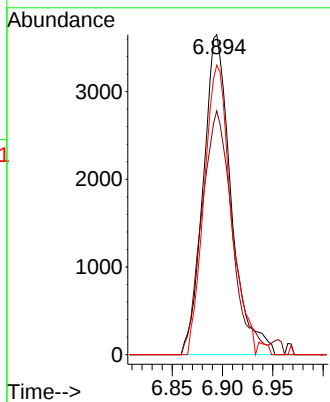
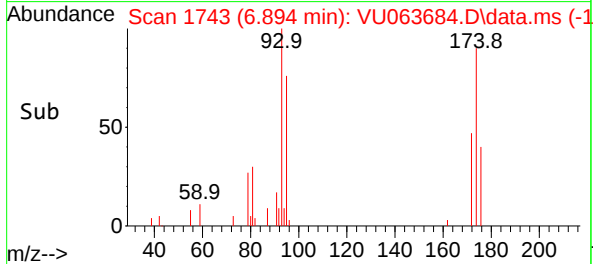
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



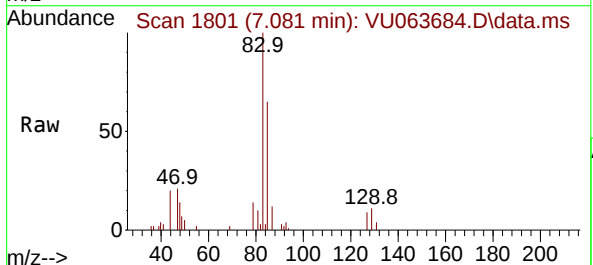
Tgt Ion: 93 Resp: 7020
Ion Ratio Lower Upper
93 100
95 82.6 64.6 97.0
174 87.6 73.8 110.8

Manual Integrations
APPROVED

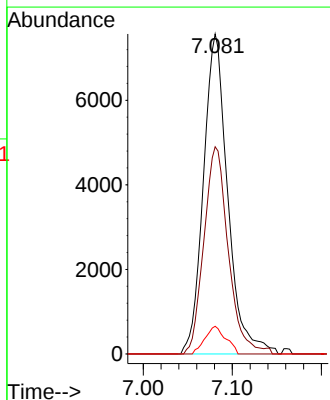
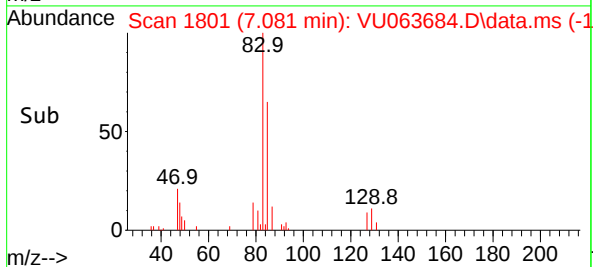
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

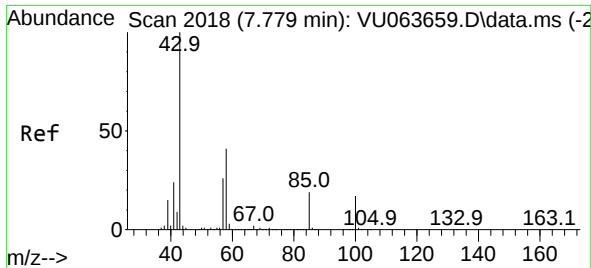


#44
Bromodichloromethane
Concen: 0.582 ug/l
RT: 7.081 min Scan# 1801
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58



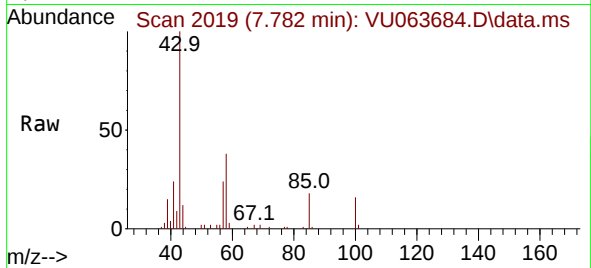
Tgt Ion: 83 Resp: 14352
Ion Ratio Lower Upper
83 100
85 64.8 50.5 75.7
127 8.7 6.4 9.6





#45
4-Methyl-2-Pentanone
Concen: 3.061 ug/l
RT: 7.782 min Scan# 2018
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

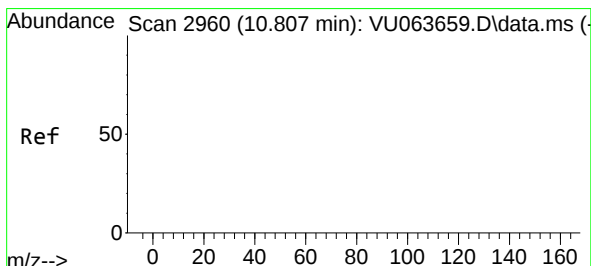
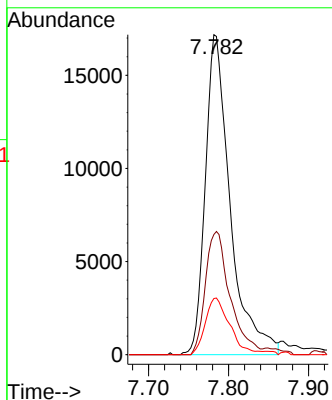
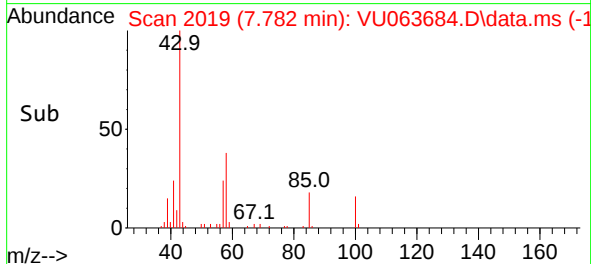
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 43 Resp: 37234
Ion Ratio Lower Upper
43 100
58 38.2 20.2 60.5
85 17.4 15.0 22.6

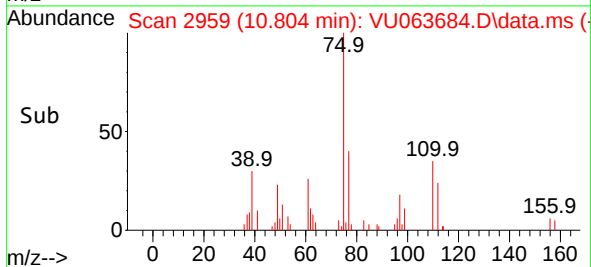
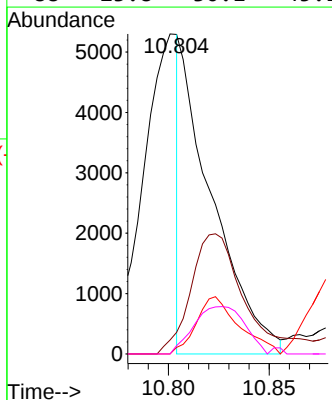
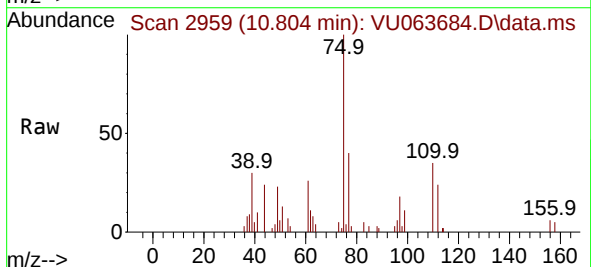
Manual Integrations
APPROVED

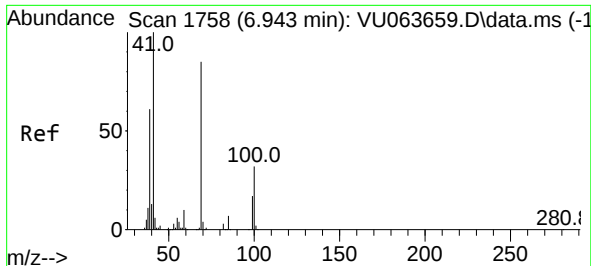
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#46
t-1,4-Dichloro-2-butene
Concen: 1.367 ug/l m
RT: 10.804 min Scan# 2959
Delta R.T. -0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

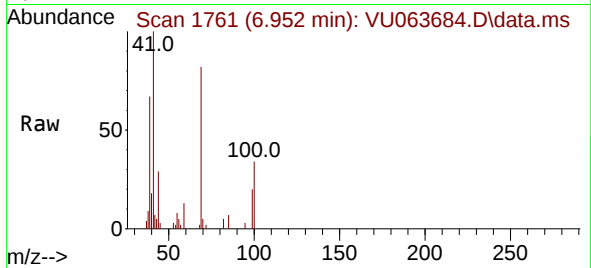
Tgt Ion: 75 Resp: 5767
Ion Ratio Lower Upper
75 100
53 64.4 57.2 85.8
89 24.3 37.9 56.9#
88 23.8 30.1 45.1#





#47
Methyl methacrylate
Concen: 1.298 ug/l
RT: 6.952 min Scan# 1761
Delta R.T. 0.009 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

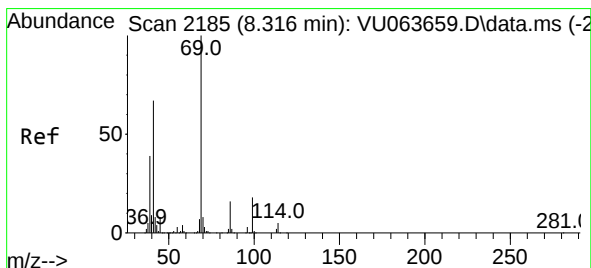
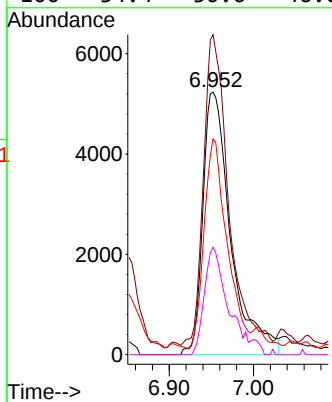
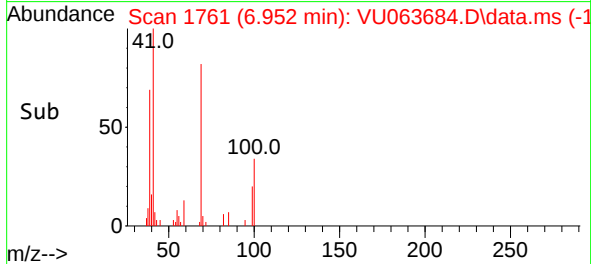
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 69 Resp: 1204
Ion Ratio Lower Upper
69 100
41 104.9 0.0 228.2
39 65.6 56.2 84.4
100 34.4 30.6 46.0

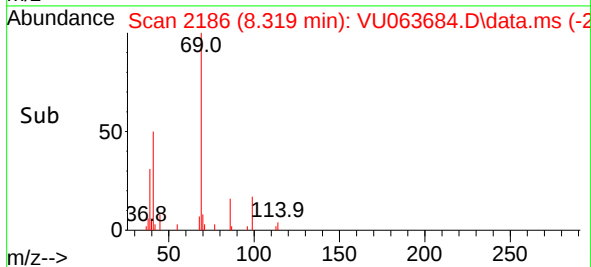
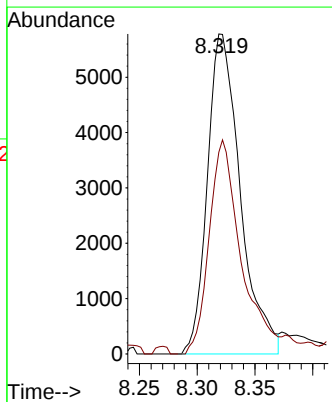
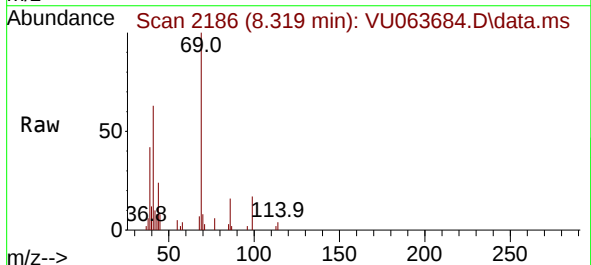
Manual Integrations
APPROVED

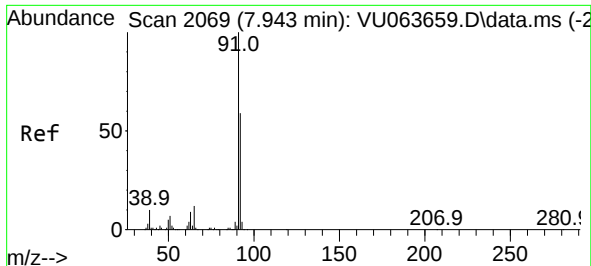
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#48
Ethyl methacrylate
Concen: 0.608 ug/l
RT: 8.319 min Scan# 2186
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

Tgt Ion: 69 Resp: 11472
Ion Ratio Lower Upper
69 100
41 64.9 32.8 98.3





#49

Toluene

Concen: 0.658 ug/l

RT: 7.942 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VU063684.D

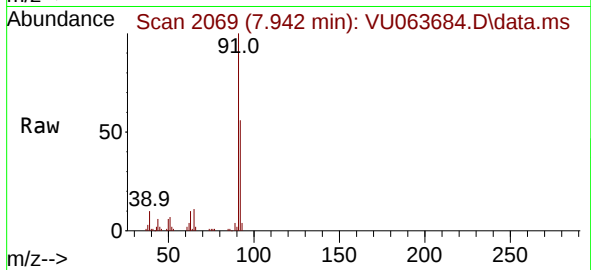
Acq: 07 Nov 2025 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025



Tgt Ion: 92 Resp: 3089

Ion Ratio Lower Upper

92 100

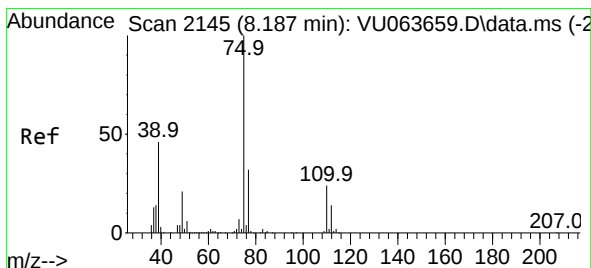
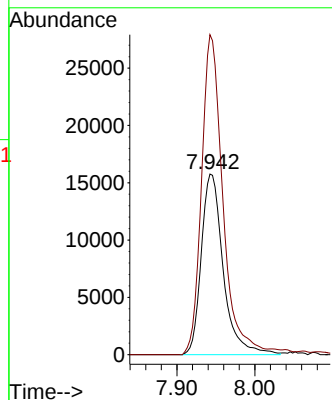
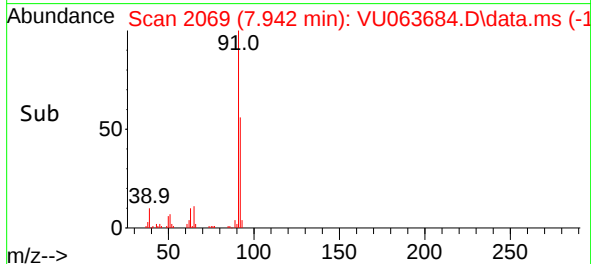
91 171.2 136.8 205.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#50

t-1,3-Dichloropropene

Concen: 0.544 ug/l

RT: 8.190 min Scan# 2146

Delta R.T. 0.003 min

Lab File: VU063684.D

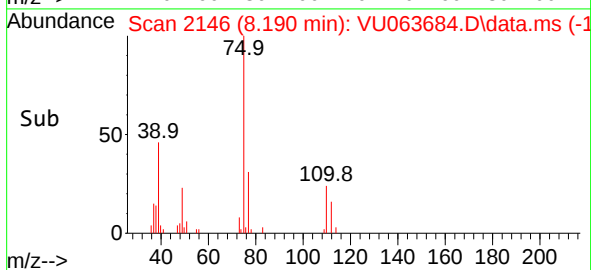
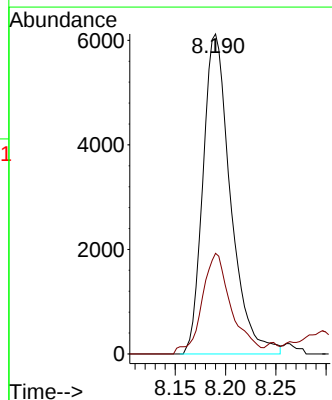
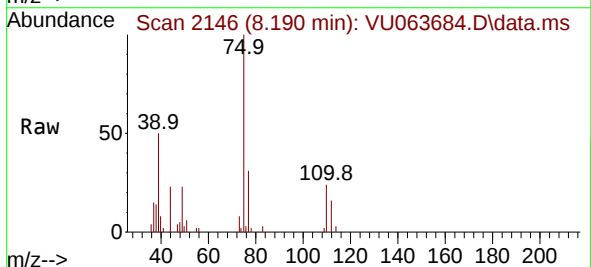
Acq: 07 Nov 2025 13:58

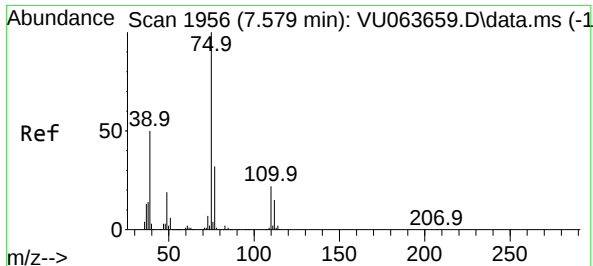
Tgt Ion: 75 Resp: 11659

Ion Ratio Lower Upper

75 100

77 29.2 25.8 38.6





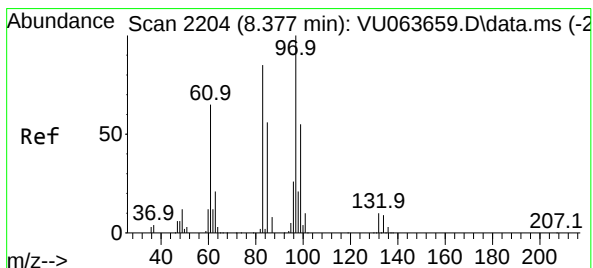
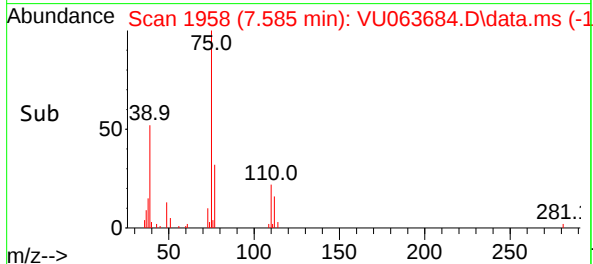
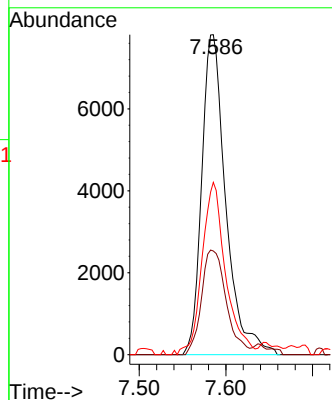
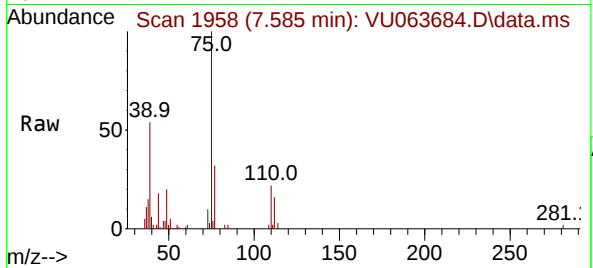
#51
cis-1,3-Dichloropropene
Concen: 0.563 ug/l
RT: 7.585 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

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

Tgt Ion: 75	Resp: 1508
Ion Ratio	Lower Upper
75 100	
77 32.4	25.5 38.3
39 52.2	39.9 59.9

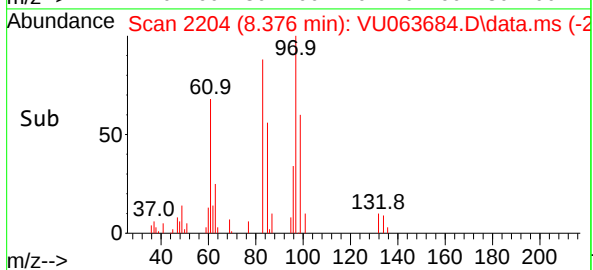
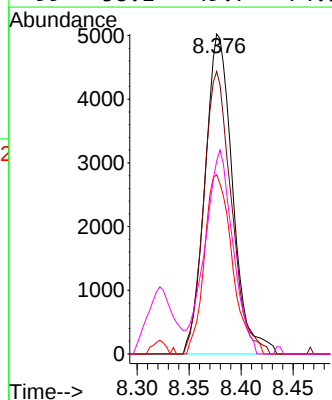
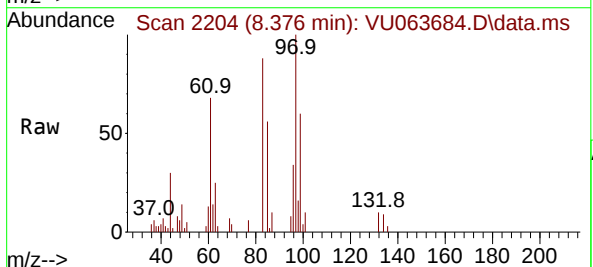
Manual Integrations
APPROVED

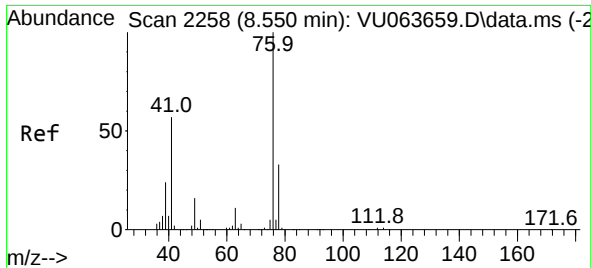
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#52
1,1,2-Trichloroethane
Concen: 0.677 ug/l
RT: 8.376 min Scan# 2204
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

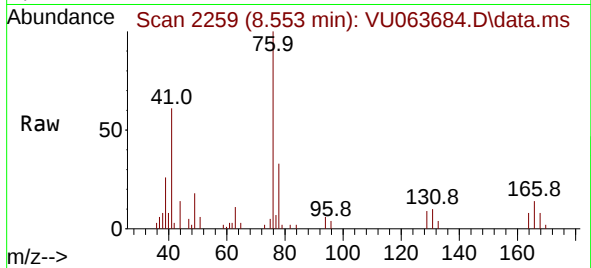
Tgt Ion: 97	Resp: 9281
Ion Ratio	Lower Upper
97 100	
83 88.3	68.3 102.5
85 56.0	45.3 67.9
99 58.1	49.7 74.5





#53
1,3-Dichloropropane
Concen: 0.674 ug/l
RT: 8.553 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

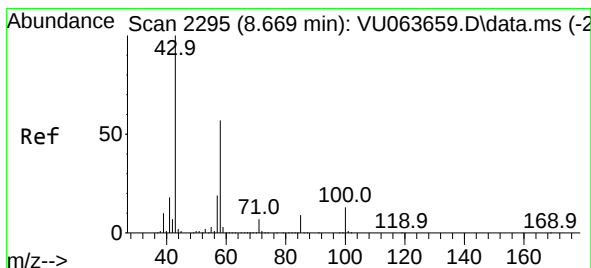
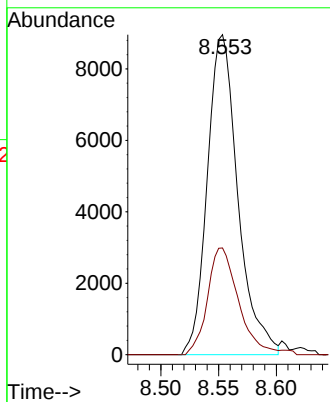
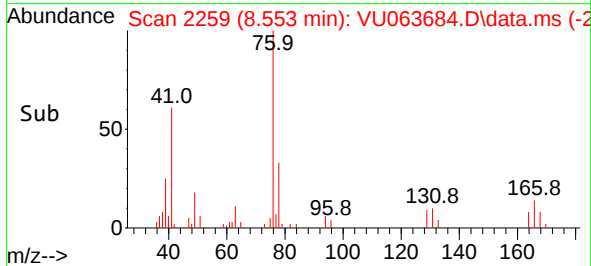
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



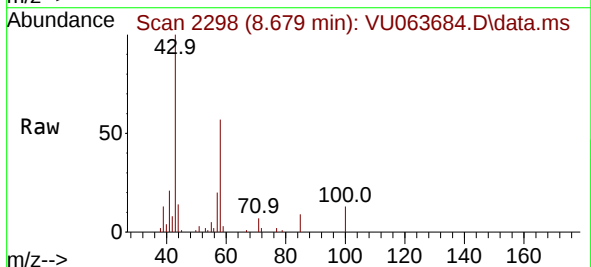
Tgt Ion: 76 Resp: 1651
Ion Ratio Lower Upper
76 100
78 34.2 25.8 38.6

Manual Integrations
APPROVED

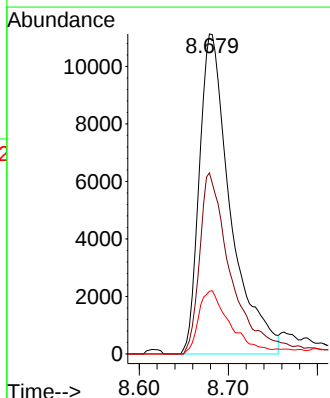
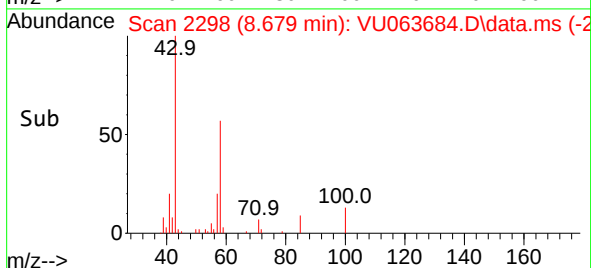
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

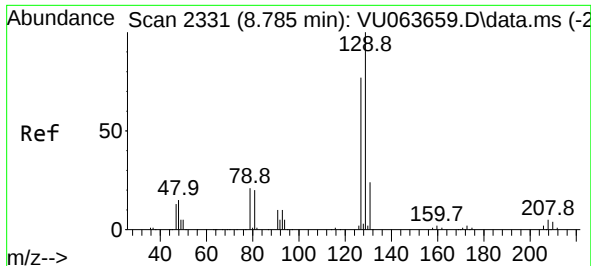


#54
2-Hexanone
Concen: 2.630 ug/l
RT: 8.679 min Scan# 2298
Delta R.T. 0.009 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58



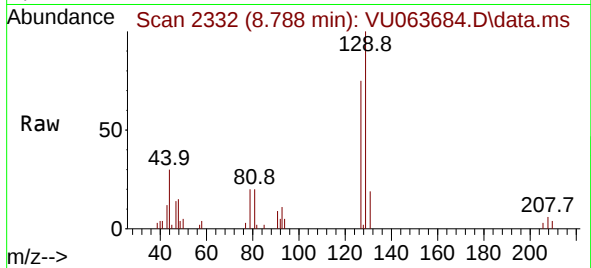
Tgt Ion: 43 Resp: 27010
Ion Ratio Lower Upper
43 100
58 57.6 36.3 76.3
57 20.1 0.0 39.7





#55
Dibromochloromethane
Concen: 0.525 ug/l
RT: 8.788 min Scan# 2331
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

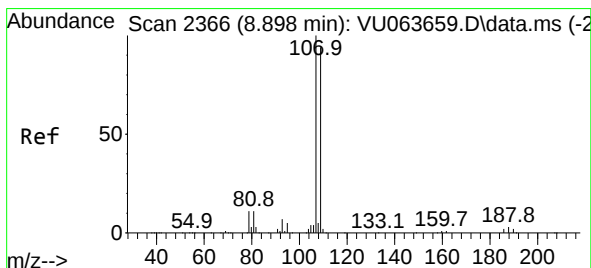
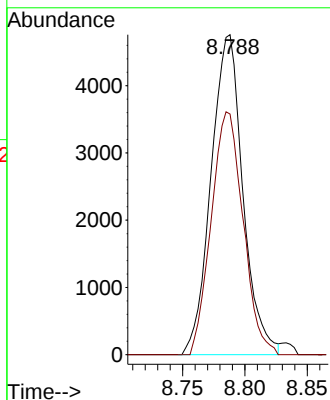
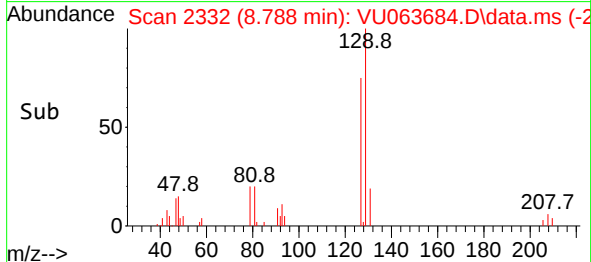
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion:129 Resp: 8479
Ion Ratio Lower Upper
129 100
127 75.8 61.4 92.0

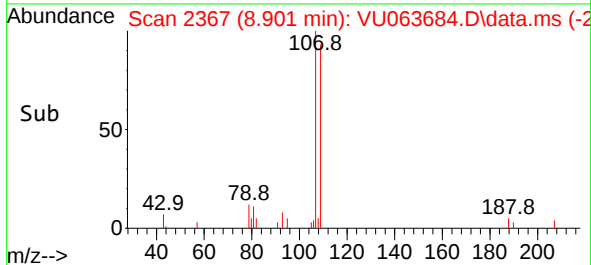
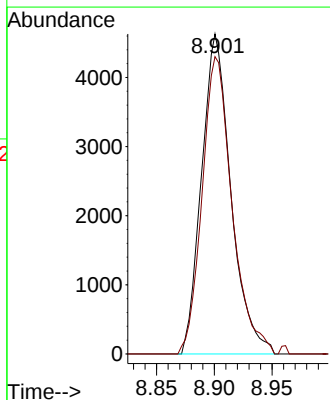
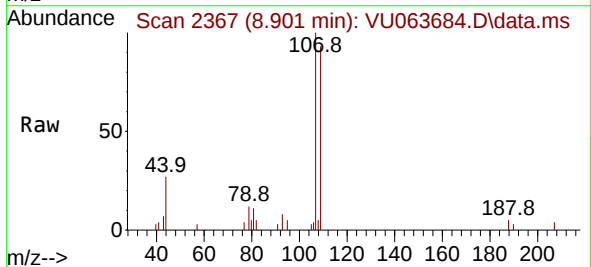
Manual Integrations
APPROVED

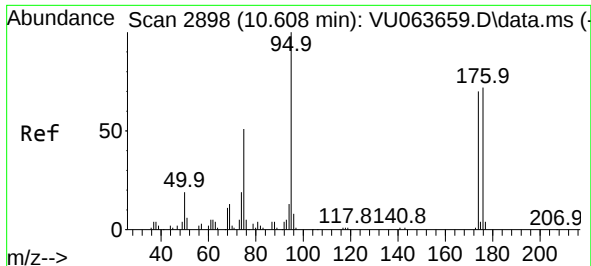
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#56
1,2-Dibromoethane
Concen: 0.627 ug/l
RT: 8.901 min Scan# 2367
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

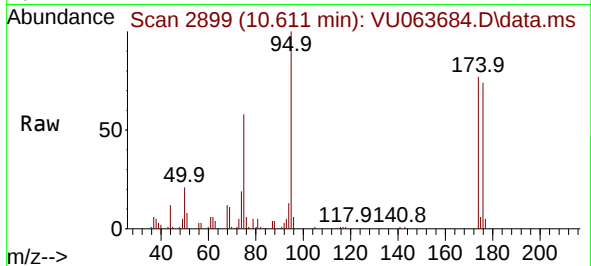
Tgt Ion:107 Resp: 8184
Ion Ratio Lower Upper
107 100
109 94.8 0.0 188.0





#57
4-Bromofluorobenzene
Concen: 0.877 ug/l
RT: 10.611 min Scan# 2197
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

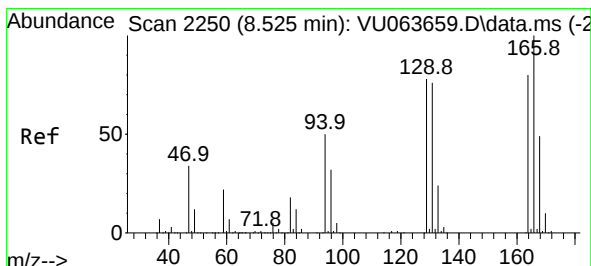
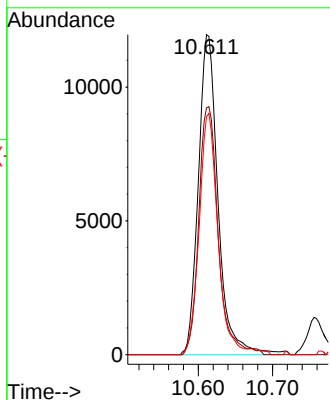
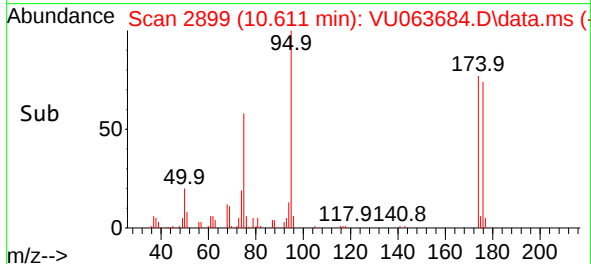
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



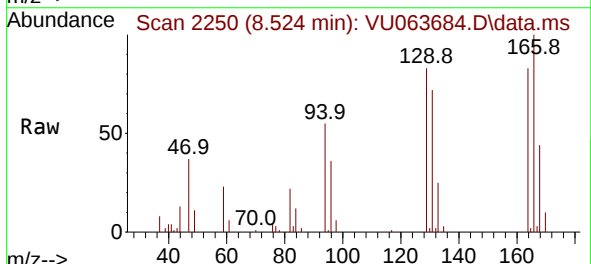
Tgt Ion: 95 Resp: 2197
Ion Ratio Lower Upper
95 100
174 76.0 59.9 89.9
176 72.9 58.8 88.2

Manual Integrations
APPROVED

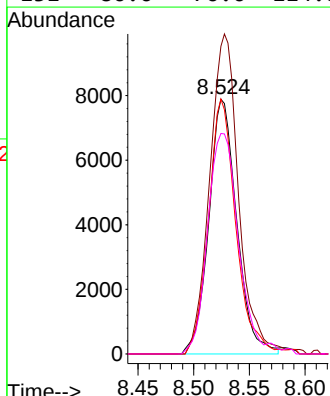
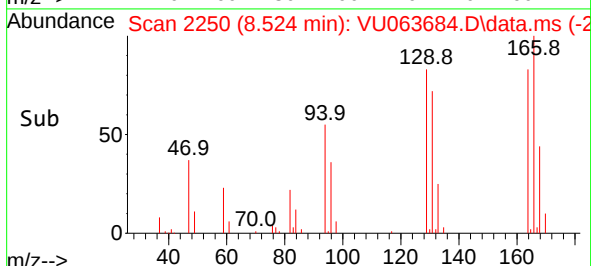
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

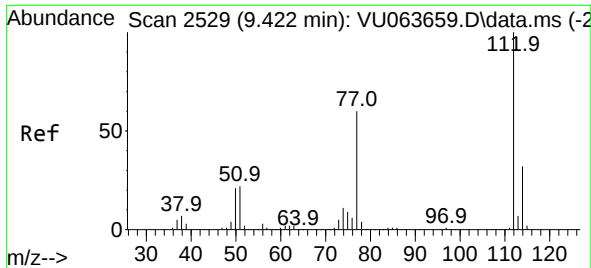


#58
Tetrachloroethene
Concen: 0.708 ug/l
RT: 8.524 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58



Tgt Ion:164 Resp: 13746
Ion Ratio Lower Upper
164 100
166 120.8 100.1 150.1
129 100.1 77.6 116.4
131 86.6 76.6 114.8





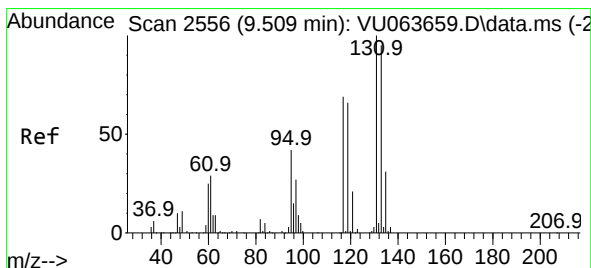
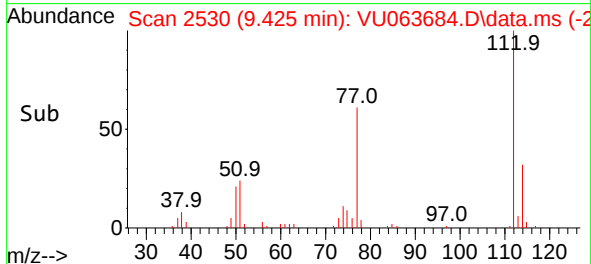
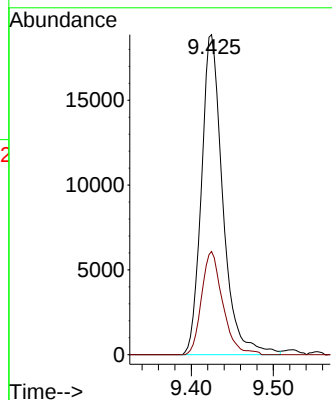
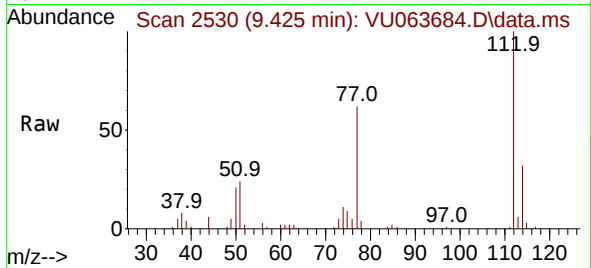
#59
Chlorobenzene
Concen: 0.671 ug/l
RT: 9.425 min Scan# 2529
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

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

Tgt Ion:112 Resp: 34210
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0

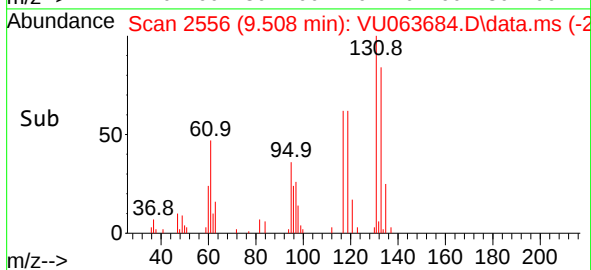
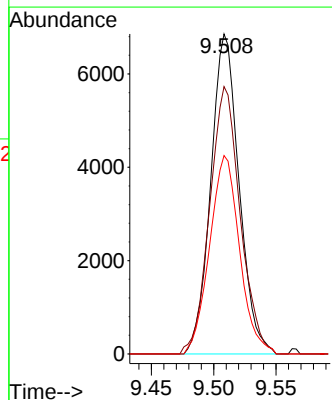
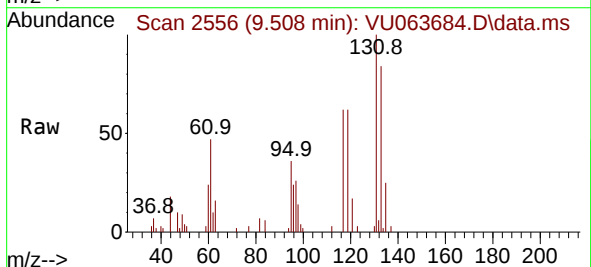
Manual Integrations
APPROVED

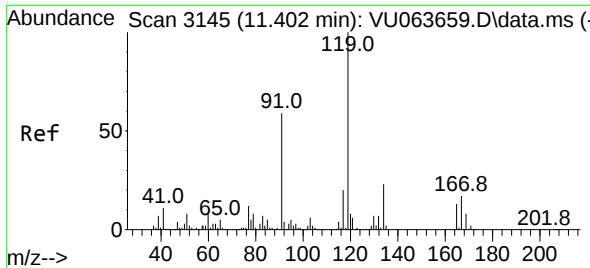
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#60
1,1,1,2-Tetrachloroethane
Concen: 0.608 ug/l
RT: 9.508 min Scan# 2556
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

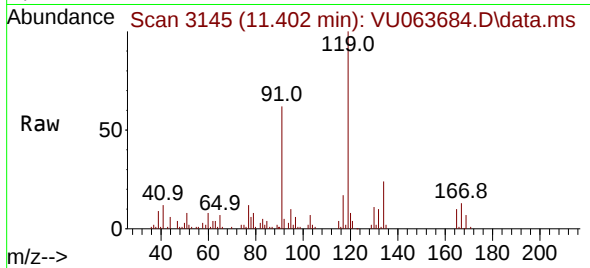
Tgt Ion:131 Resp: 10846
Ion Ratio Lower Upper
131 100
133 89.8 77.0 115.6
119 65.6 52.8 79.2





#61
Pentachloroethane
Concen: 0.563 ug/l
RT: 11.402 min Scan# 3145
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

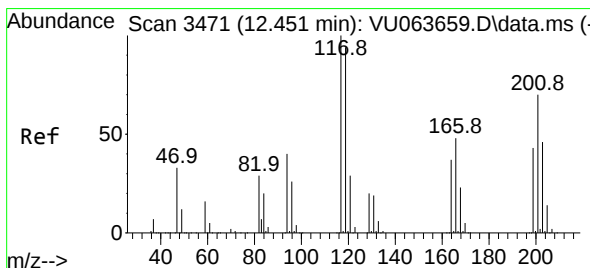
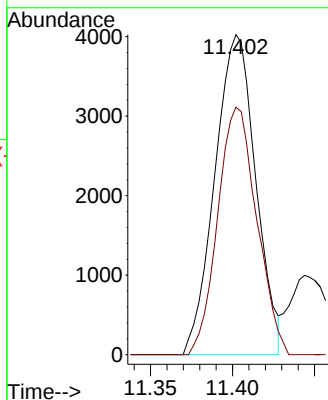
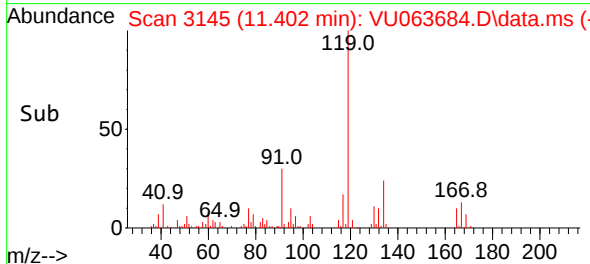
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion:117 Resp: 6970
Ion Ratio Lower Upper
117 100
167 73.8 62.8 94.2

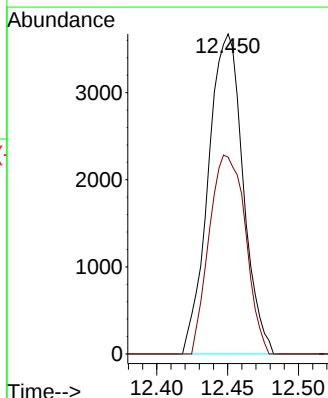
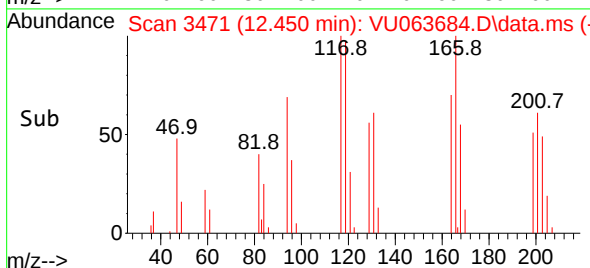
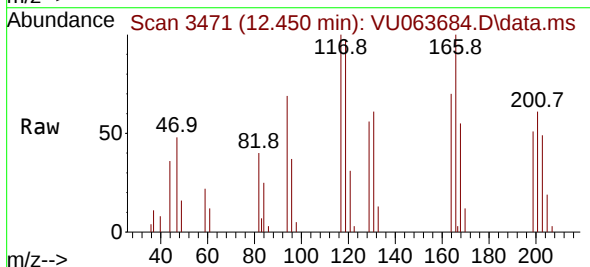
Manual Integrations
APPROVED

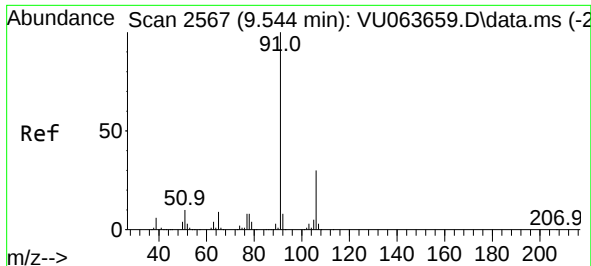
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#62
Hexachloroethane
Concen: 0.463 ug/l
RT: 12.450 min Scan# 3471
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

Tgt Ion:117 Resp: 6279
Ion Ratio Lower Upper
117 100
201 64.6 56.3 84.5





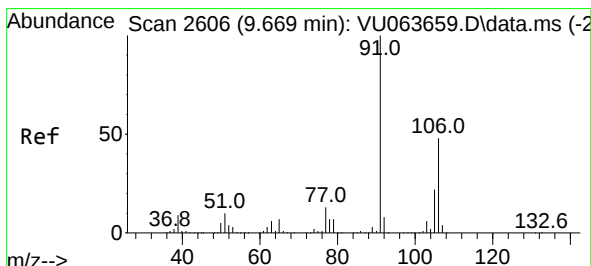
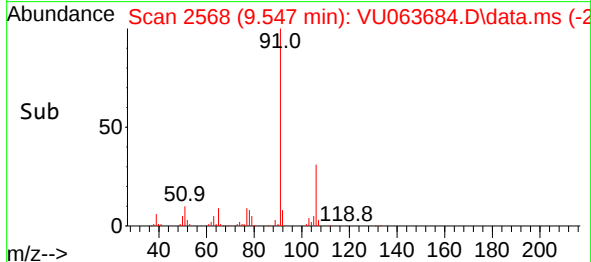
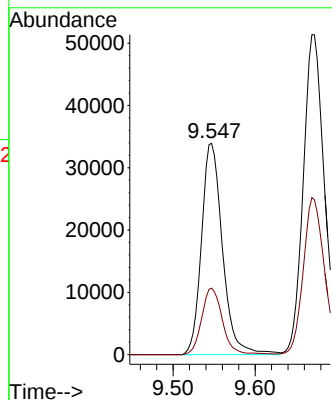
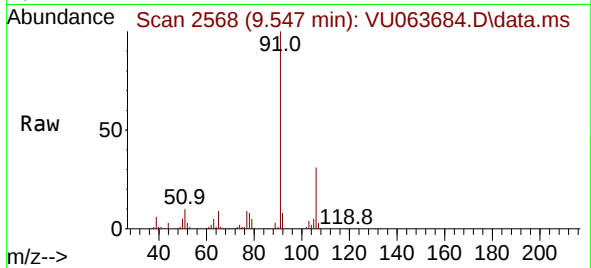
#63
Ethyl Benzene
Concen: 0.654 ug/l
RT: 9.547 min Scan# 2567
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

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

Tgt Ion: 91 Resp: 60404
Ion Ratio Lower Upper
91 100
106 31.5 24.1 36.1

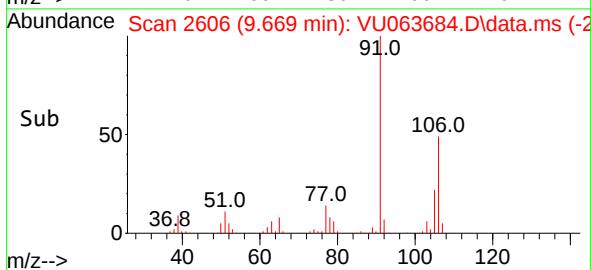
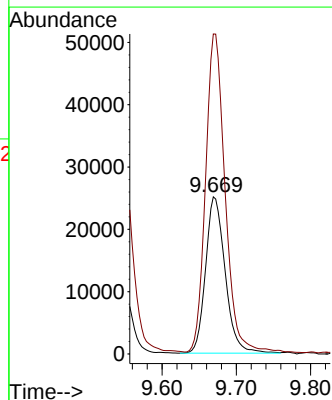
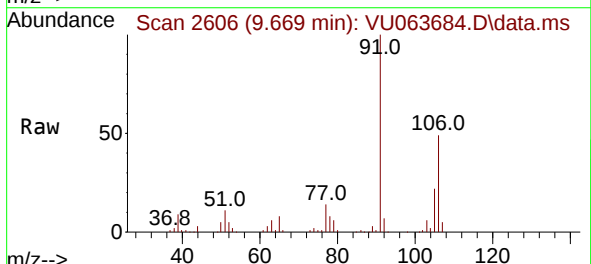
Manual Integrations
APPROVED

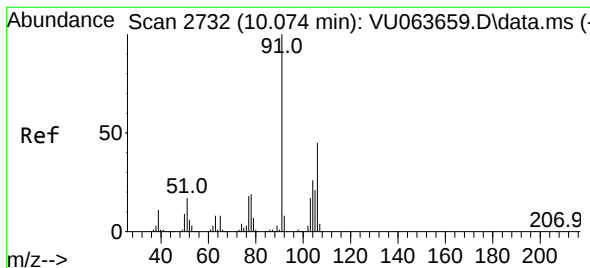
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#64
m/p-Xylenes
Concen: 1.336 ug/l
RT: 9.669 min Scan# 2606
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

Tgt Ion:106 Resp: 46028
Ion Ratio Lower Upper
106 100
91 204.5 167.0 250.4





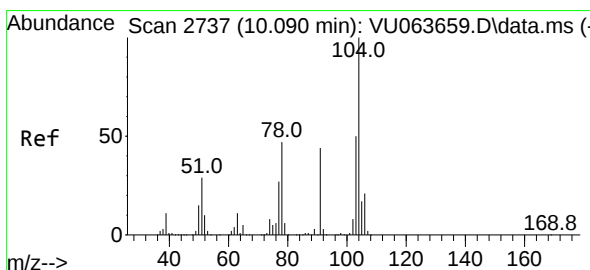
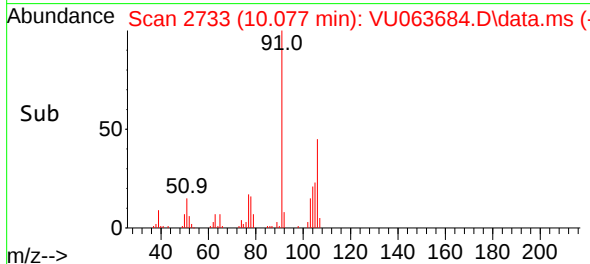
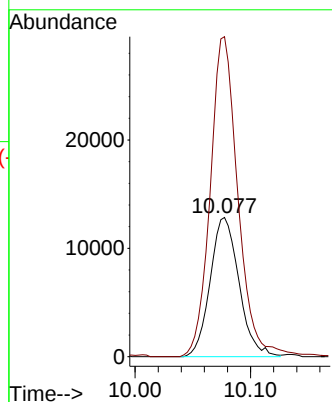
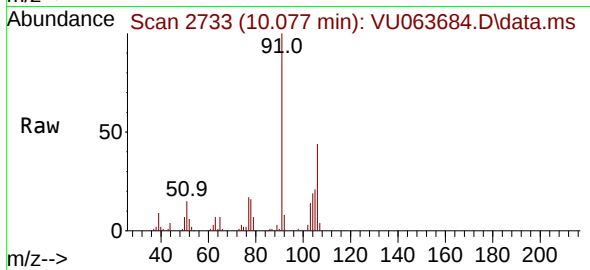
#65
o-Xylene
Concen: 0.660 ug/l
RT: 10.077 min Scan# 2733
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

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

Tgt Ion:106 Resp: 2229
Ion Ratio Lower Upper
106 100
91 221.8 109.3 327.9

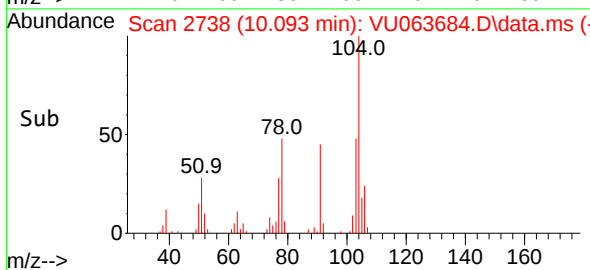
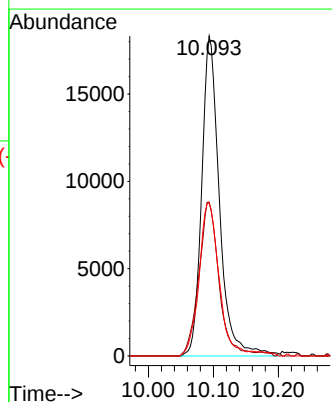
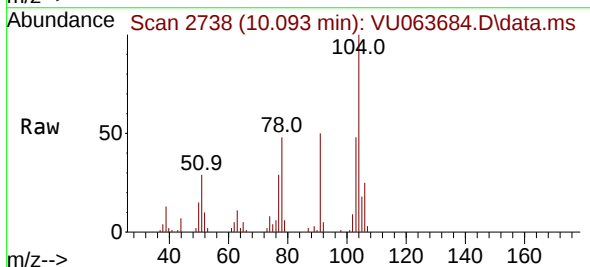
Manual Integrations
APPROVED

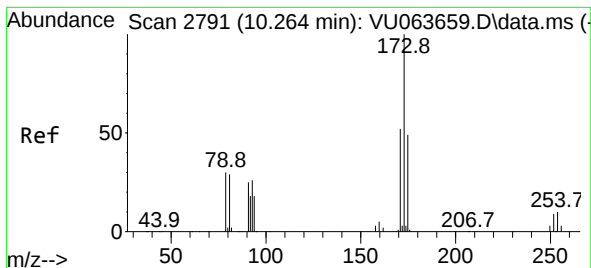
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#66
Styrene
Concen: 0.638 ug/l
RT: 10.093 min Scan# 2738
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

Tgt Ion:104 Resp: 34943
Ion Ratio Lower Upper
104 100
78 54.3 42.8 64.2
103 53.4 43.9 65.9





#67

Bromoform

Concen: 0.482 ug/l

RT: 10.267 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

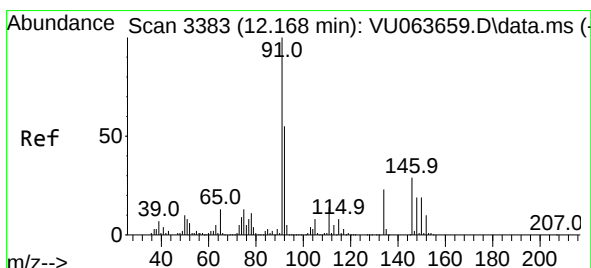
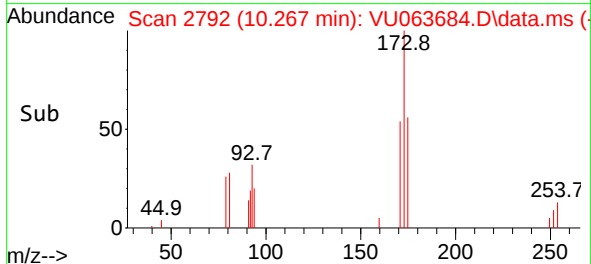
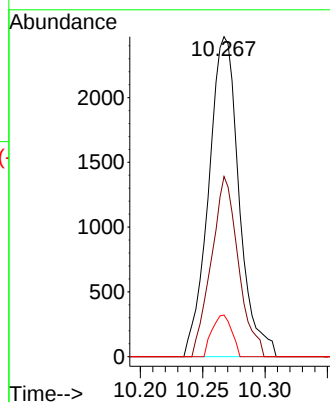
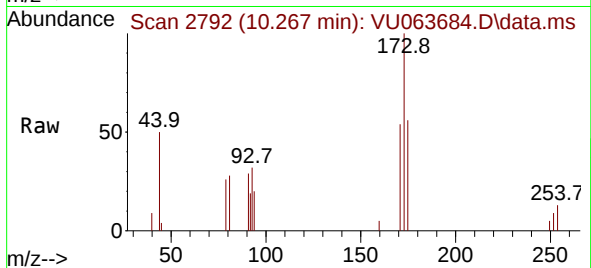
Tgt Ion:	173	Resp:	4200
Ion Ratio	Lower	Upper	
173	100		
175	50.0	39.0	58.4
254	8.4	7.4	11.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#68

1,2-Dichlorobenzene-d4

Concen: 0.914 ug/l

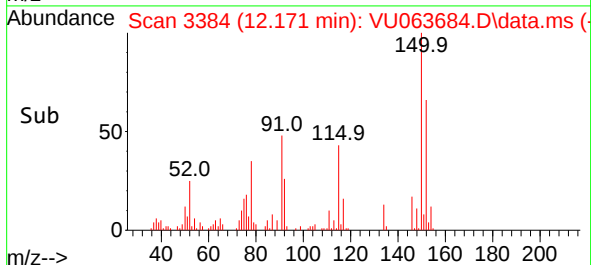
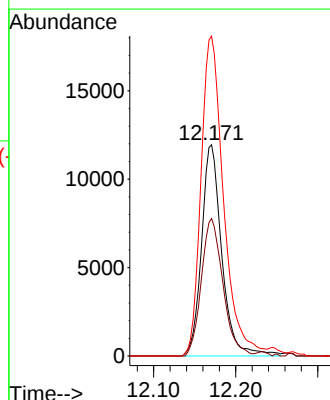
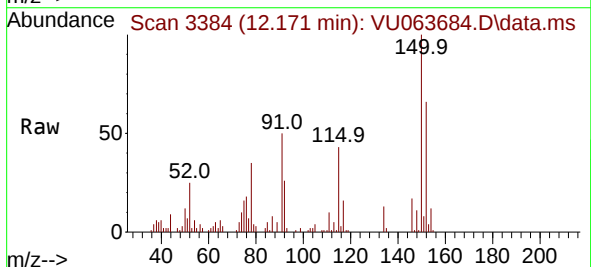
RT: 12.171 min Scan# 3384

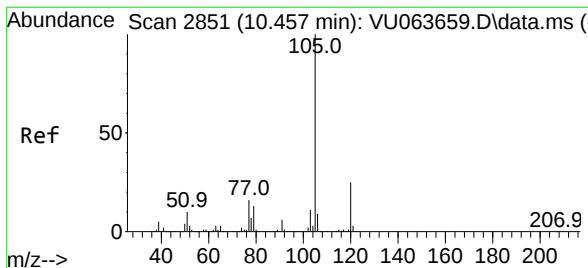
Delta R.T. 0.003 min

Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

Tgt Ion:	152	Resp:	20530
Ion Ratio	Lower	Upper	
152	100		
115	69.3	0.0	247.2
150	168.4	0.0	643.6





#69

Isopropylbenzene

Concen: 0.652 ug/l

RT: 10.460 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

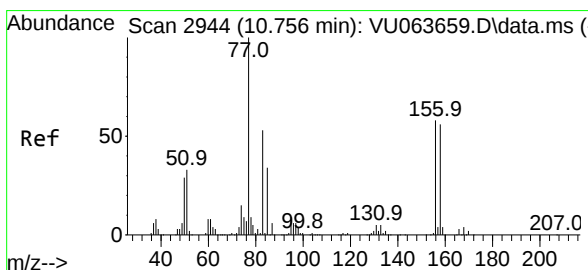
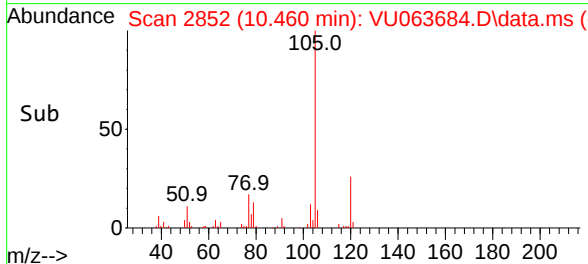
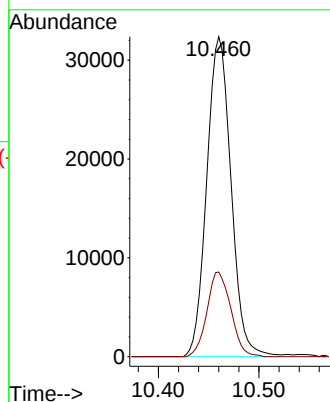
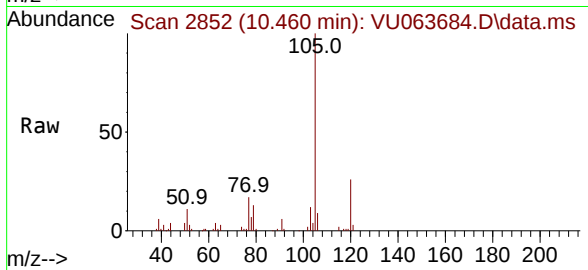
Tgt Ion:105 Resp: 5436
 Ion Ratio Lower Upper
 105 100
 120 25.9 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 0.641 ug/l

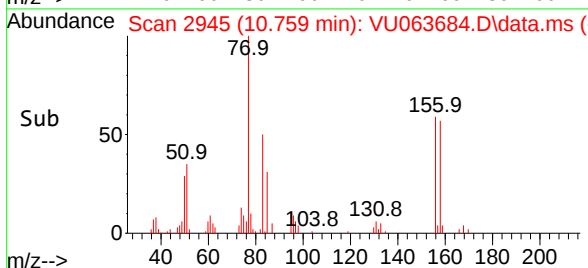
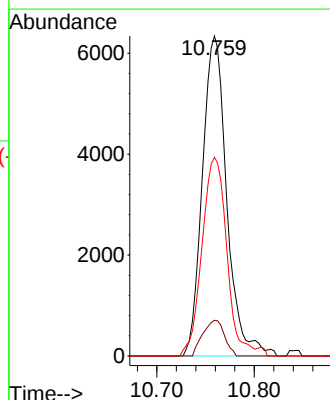
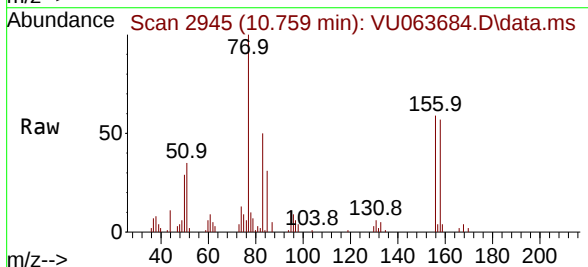
RT: 10.759 min Scan# 2945

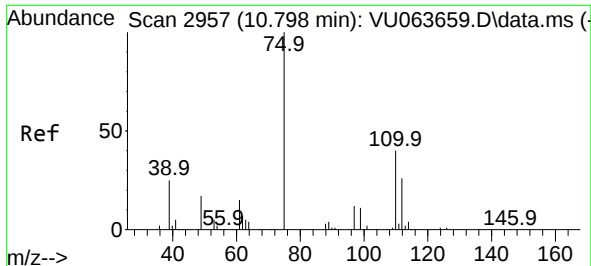
Delta R.T. 0.003 min

Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

Tgt Ion: 83 Resp: 11038
 Ion Ratio Lower Upper
 83 100
 131 9.8 8.1 12.1
 85 62.8 51.0 76.6





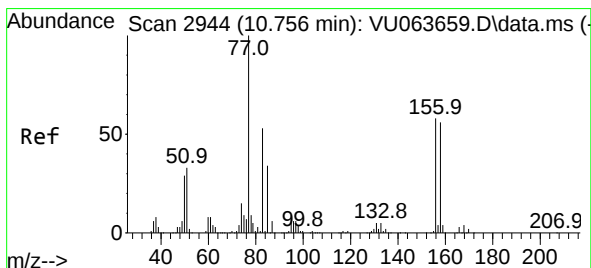
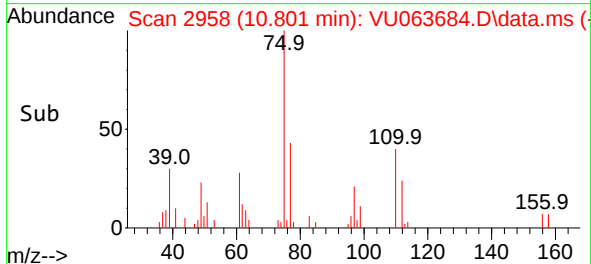
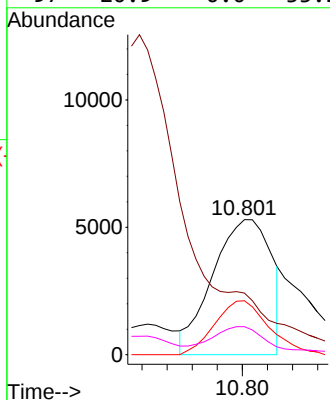
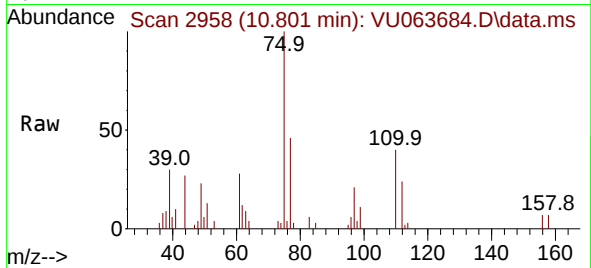
#71
1,2,3-Trichloropropane
Concen: 0.573 ug/l m
RT: 10.801 min Scan# 2957
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

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

Tgt Ion: 75	Resp: 859
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0
110 37.0	0.0 66.4
97 20.9	0.0 33.2

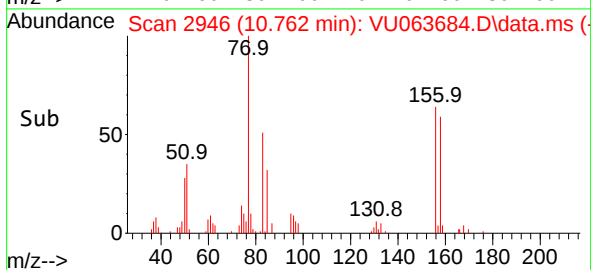
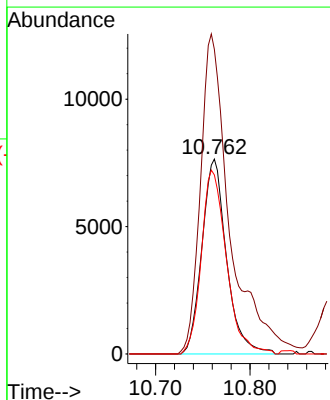
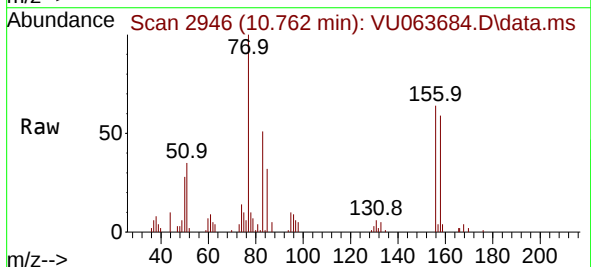
Manual Integrations
APPROVED

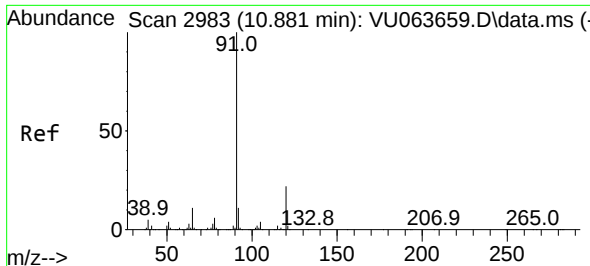
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#72
Bromobenzene
Concen: 0.686 ug/l
RT: 10.762 min Scan# 2946
Delta R.T. 0.006 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

Tgt Ion:156	Resp: 13827
Ion Ratio	Lower Upper
156 100	
77 196.8	0.0 337.2
158 96.3	0.0 191.8





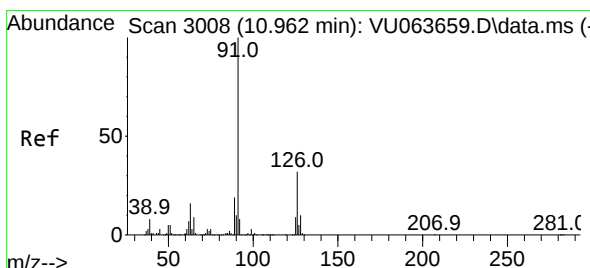
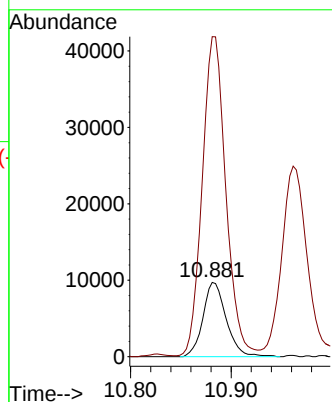
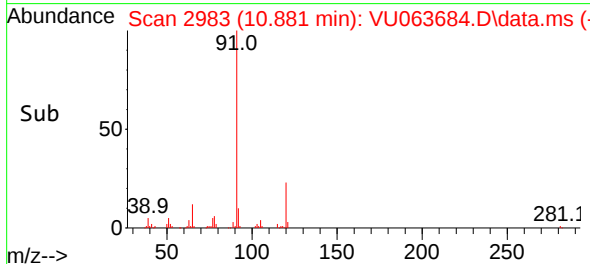
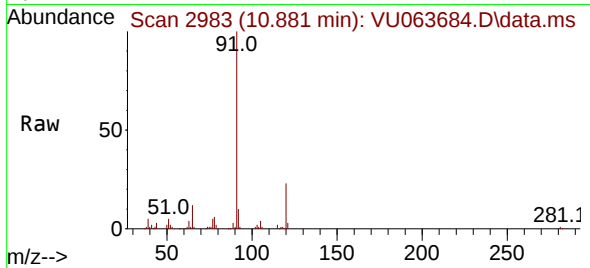
#73
n-propylbenzene
Concen: 0.660 ug/l
RT: 10.881 min Scan# 2983
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

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

Tgt Ion:120 Resp: 15640
Ion Ratio Lower Upper
120 100
91 434.9 361.4 542.2

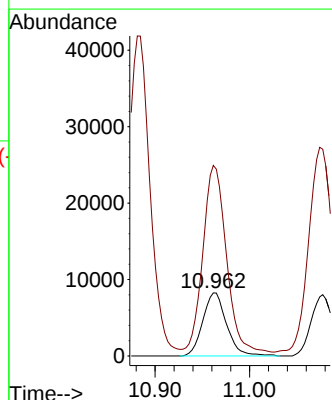
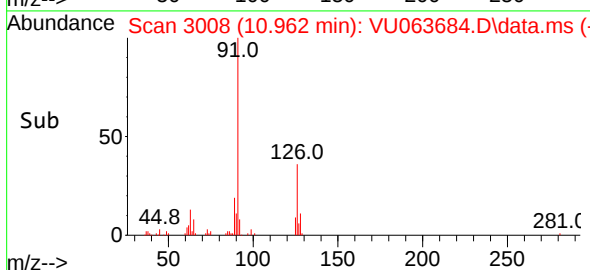
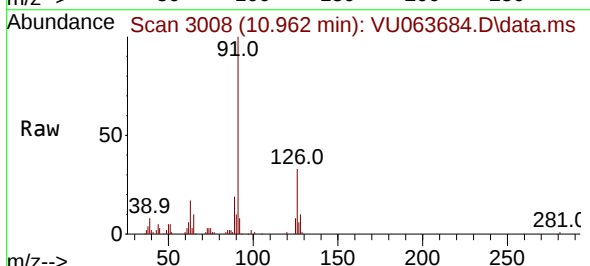
Manual Integrations
APPROVED

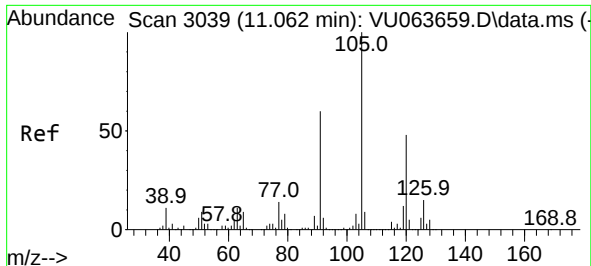
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#74
2-Chlorotoluene
Concen: 0.702 ug/l
RT: 10.962 min Scan# 3008
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

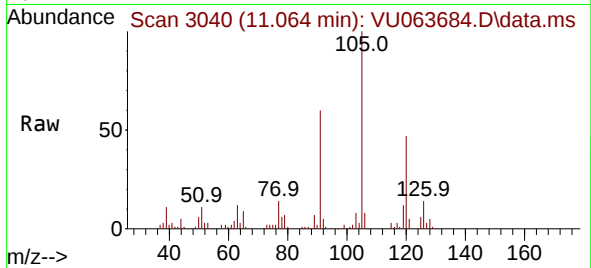
Tgt Ion:126 Resp: 14406
Ion Ratio Lower Upper
126 100
91 304.4 0.0 634.8





#75
1,3,5-Trimethylbenzene
Concen: 0.628 ug/l
RT: 11.064 min Scan# 3039
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

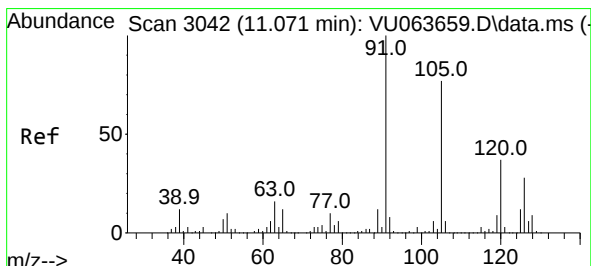
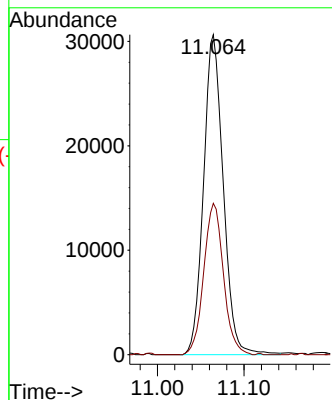
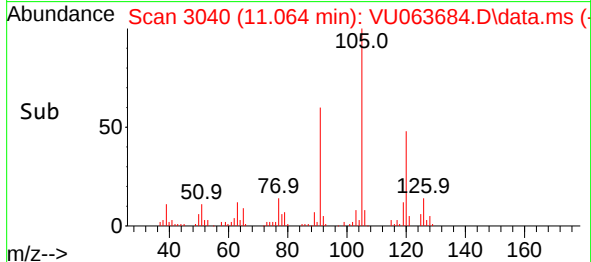
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



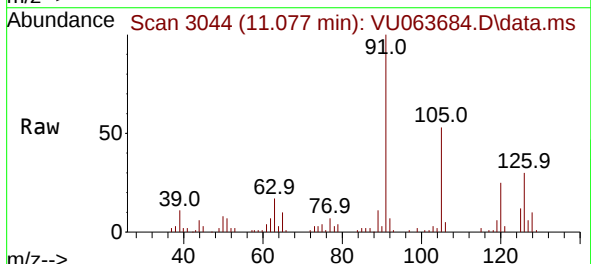
Tgt Ion:105 Resp: 4839
Ion Ratio Lower Upper
105 100
120 47.3 38.2 57.2

Manual Integrations
APPROVED

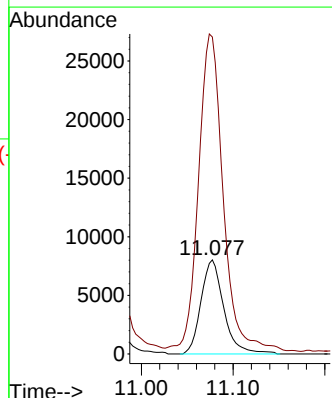
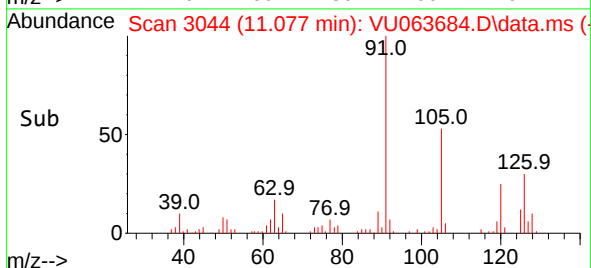
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

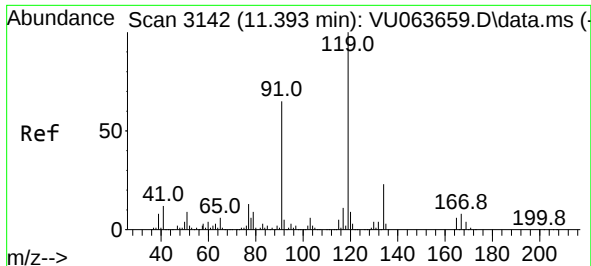


#76
4-Chlorotoluene
Concen: 0.673 ug/l
RT: 11.077 min Scan# 3044
Delta R.T. 0.006 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58



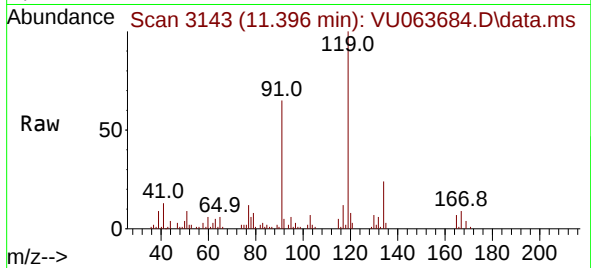
Tgt Ion:126 Resp: 13876
Ion Ratio Lower Upper
126 100
91 367.5 0.0 716.6





#77
tert-Butylbenzene
Concen: 0.643 ug/l
RT: 11.396 min Scan# 3142
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

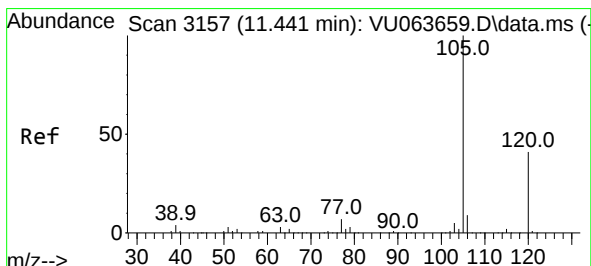
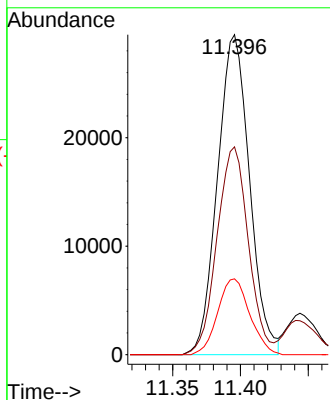
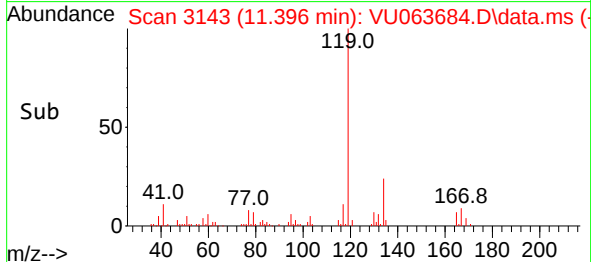
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



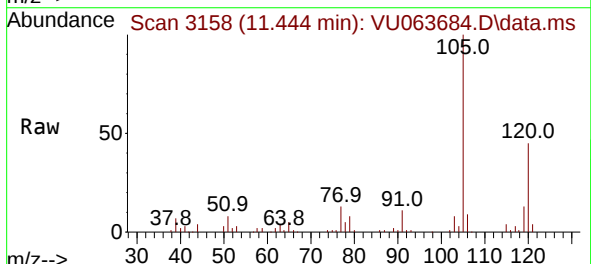
Tgt Ion:119 Resp: 4855
Ion Ratio Lower Upper
119 100
91 63.6 31.3 93.8
134 23.7 18.7 28.1

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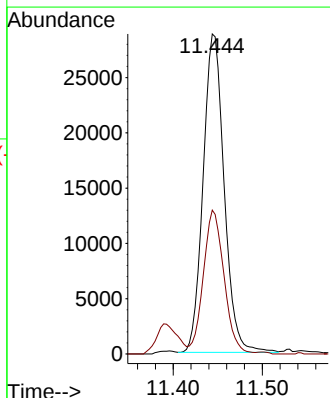
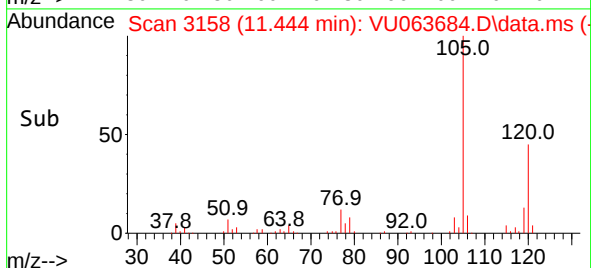
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

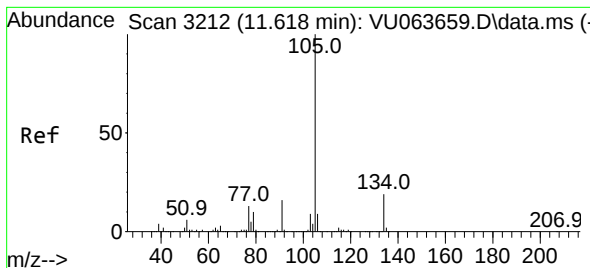


#78
1,2,4-Trimethylbenzene
Concen: 0.639 ug/l
RT: 11.444 min Scan# 3158
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58



Tgt Ion:105 Resp: 47293
Ion Ratio Lower Upper
105 100
120 43.6 22.4 67.0





#79

sec-Butylbenzene

Concen: 0.644 ug/l

RT: 11.618 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

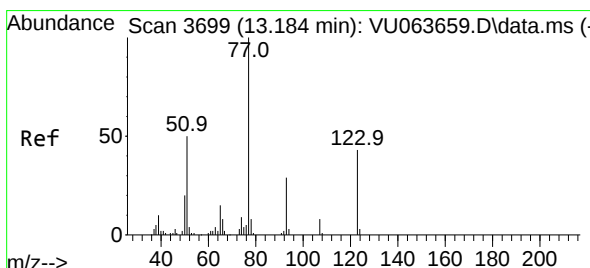
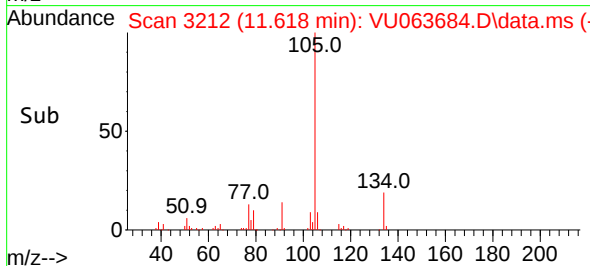
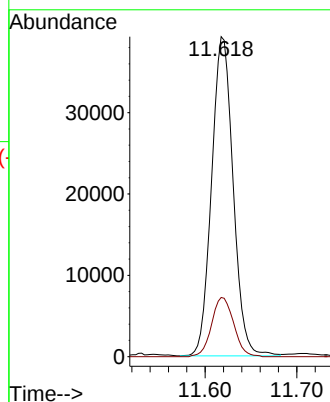
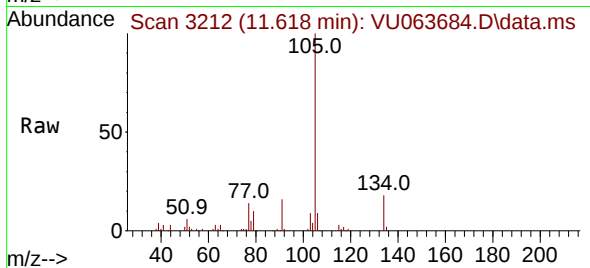
Tgt Ion:105 Resp: 64000
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#80

Nitrobenzene

Concen: 1.811 ug/l m

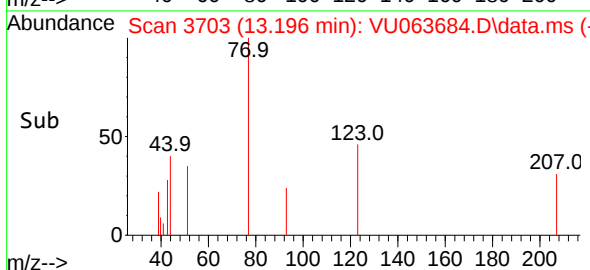
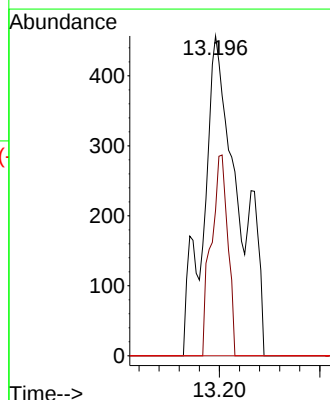
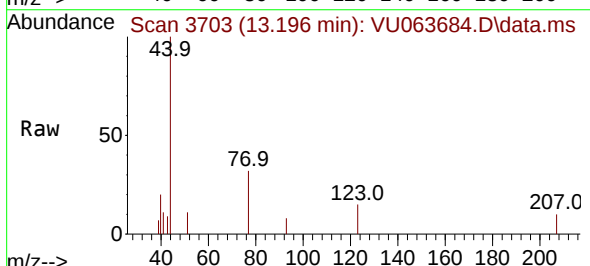
RT: 13.196 min Scan# 3703

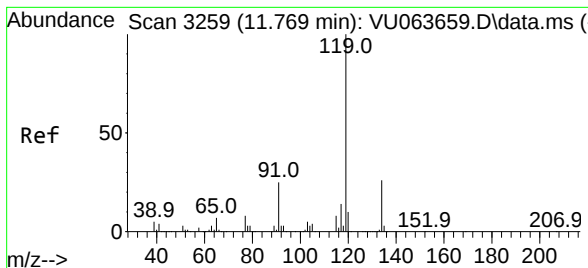
Delta R.T. 0.013 min

Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

Tgt Ion: 77 Resp: 1097
 Ion Ratio Lower Upper
 77 100
 123 0.0 18.2 64.4#
 65 0.0 13.6 17.2#





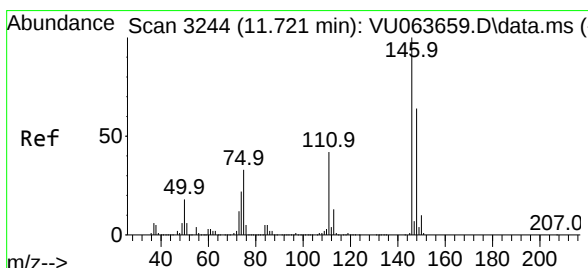
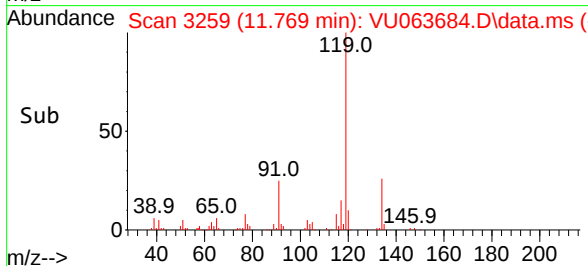
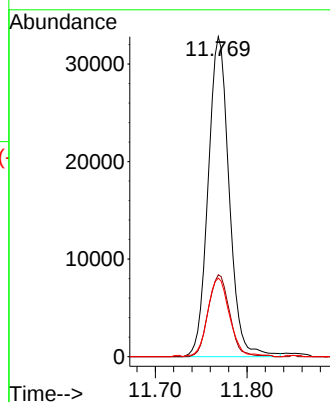
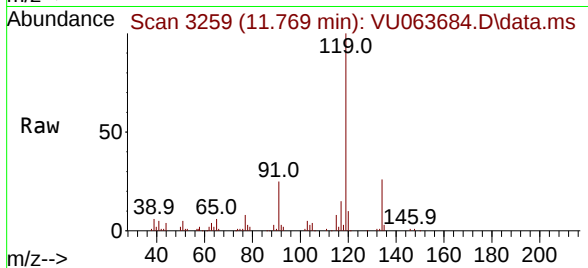
#81
p-Isopropyltoluene
Concen: 0.642 ug/l
RT: 11.769 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

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

Tgt Ion:119 Resp: 52228
Ion Ratio Lower Upper
119 100
134 25.9 20.3 30.5
91 25.7 20.1 30.1

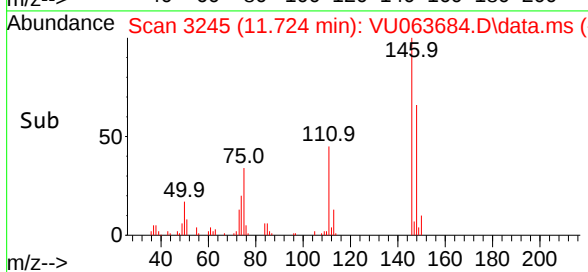
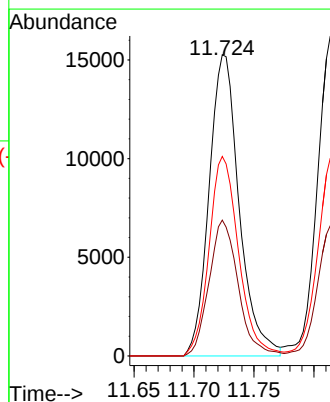
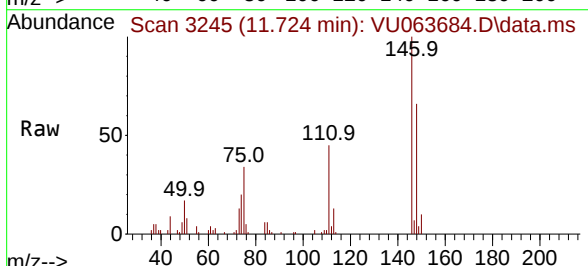
Manual Integrations
APPROVED

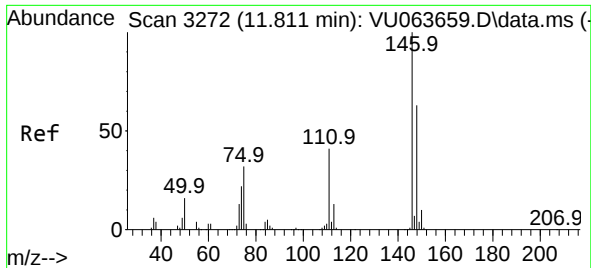
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#82
1,3-Dichlorobenzene
Concen: 0.682 ug/l
RT: 11.724 min Scan# 3245
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

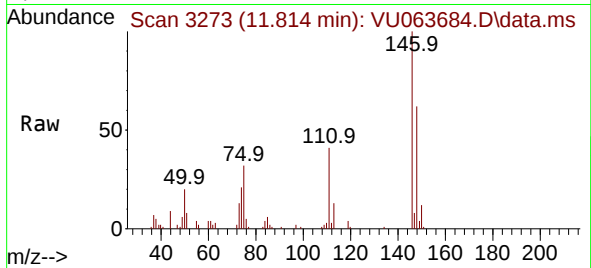
Tgt Ion:146 Resp: 26626
Ion Ratio Lower Upper
146 100
111 43.7 33.8 50.8
148 65.2 50.8 76.2





#83
1,4-Dichlorobenzene
Concen: 0.727 ug/l
RT: 11.814 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

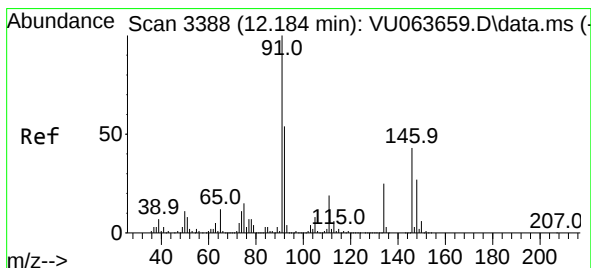
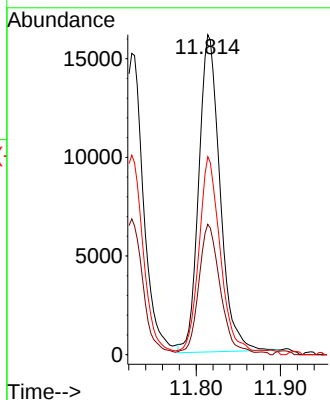
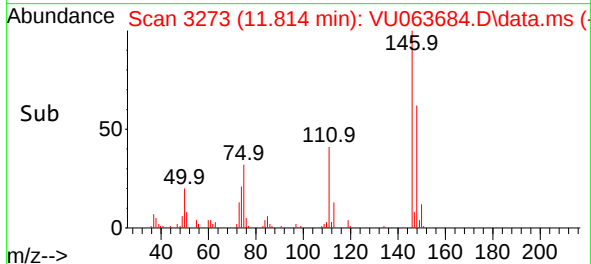
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



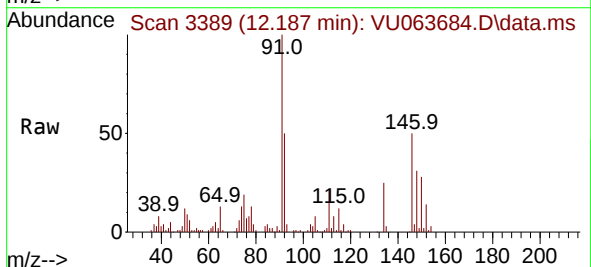
Tgt Ion:146 Resp: 2822
Ion Ratio Lower Upper
146 100
111 40.3 33.0 49.4
148 60.9 50.6 76.0

Manual Integrations
APPROVED

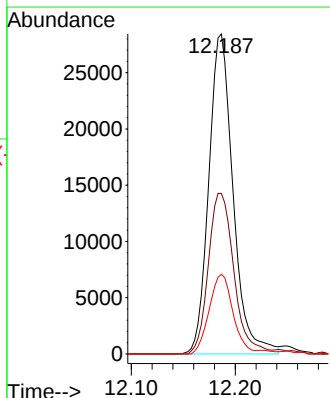
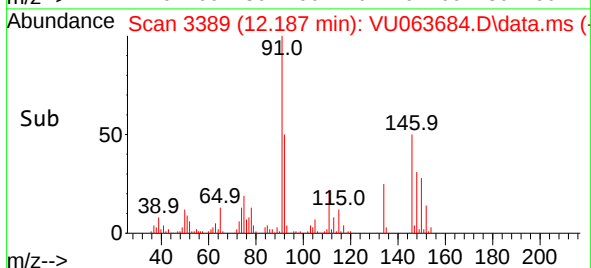
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

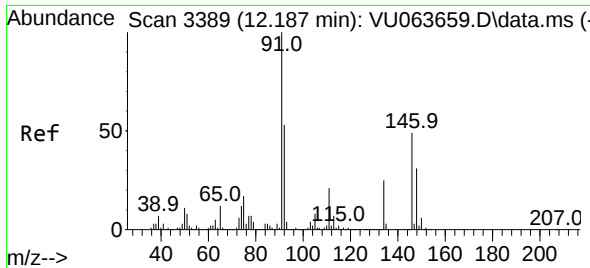


#84
n-Butylbenzene
Concen: 0.633 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58



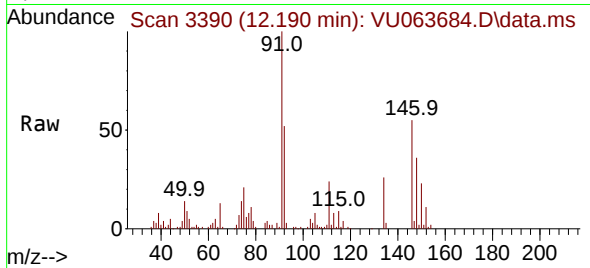
Tgt Ion: 91 Resp: 46170
Ion Ratio Lower Upper
91 100
92 52.8 43.1 64.7
134 24.3 19.7 29.5





#85
1,2-Dichlorobenzene
Concen: 0.699 ug/l
RT: 12.190 min Scan# 3389
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

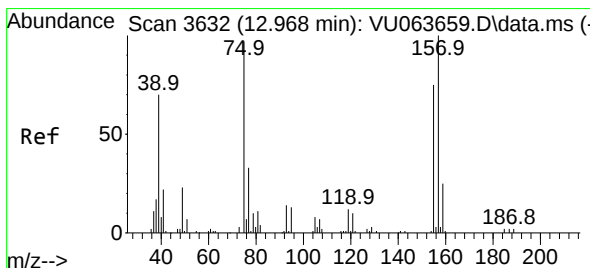
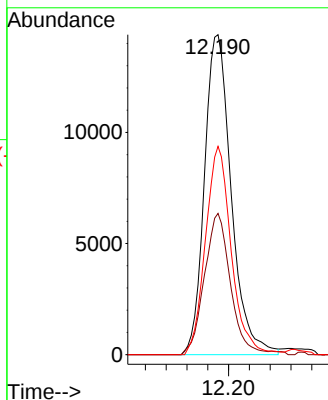
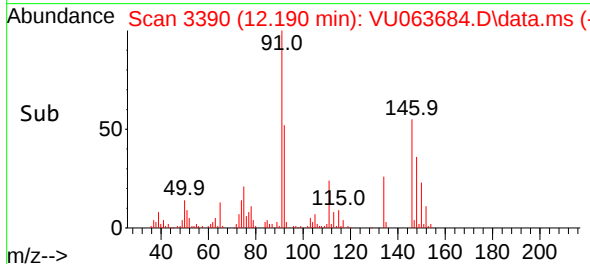
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



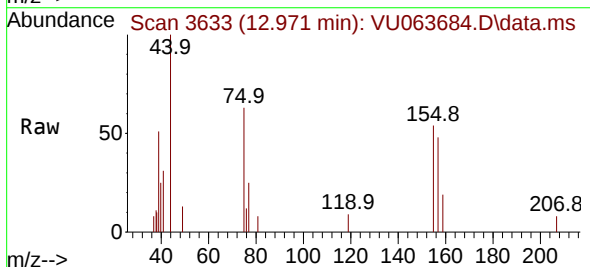
Tgt Ion:146 Resp: 25814
Ion Ratio Lower Upper
146 100
111 42.6 22.2 66.6
148 62.6 31.9 95.5

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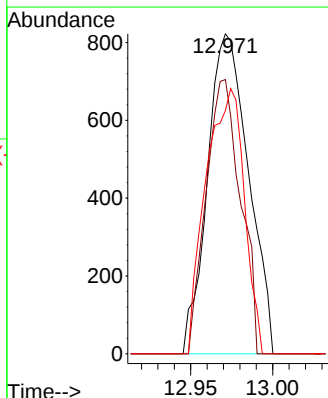
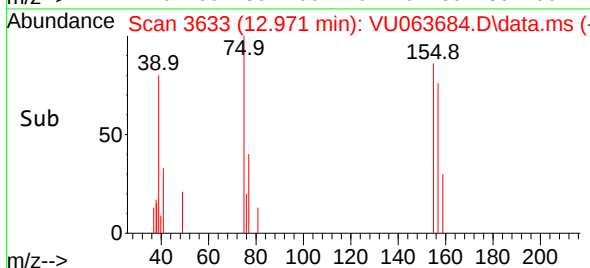
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

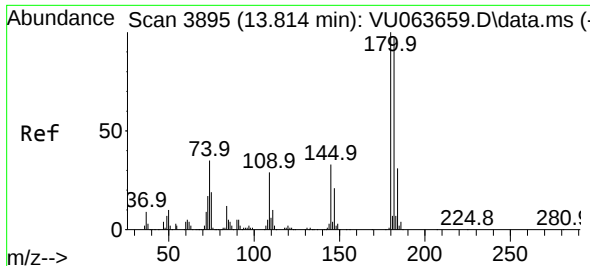


#86
1,2-Dibromo-3-Chloropropane
Concen: 0.501 ug/l
RT: 12.971 min Scan# 3633
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58



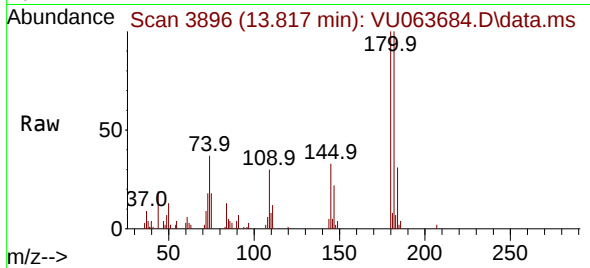
Tgt Ion: 75 Resp: 1429
Ion Ratio Lower Upper
75 100
155 71.9 62.2 93.4
157 77.3 81.3 121.9#





#87
1,2,4-Trichlorobenzene
Concen: 0.666 ug/l
RT: 13.817 min Scan# 3896
Delta R.T. 0.003 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

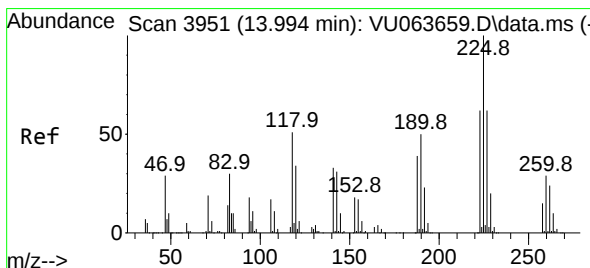
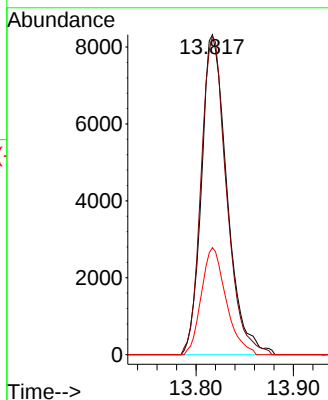
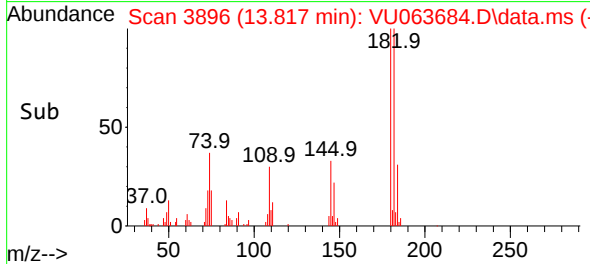
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:180 Resp: 15150
Ion Ratio Lower Upper
180 100
182 99.0 76.4 114.6
145 32.4 26.2 39.2

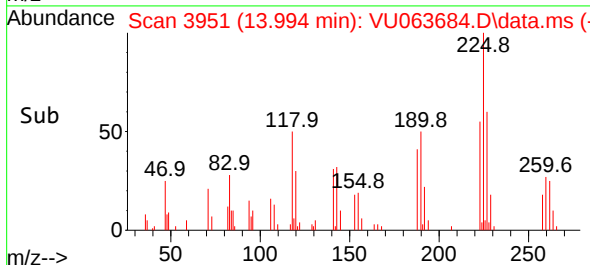
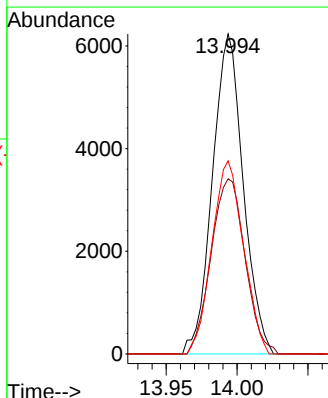
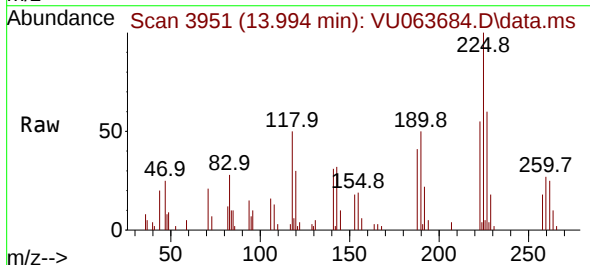
Manual Integrations
APPROVED

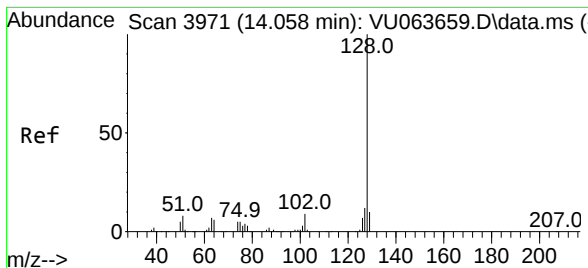
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#88
Hexachlorobutadiene
Concen: 0.696 ug/l
RT: 13.994 min Scan# 3951
Delta R.T. -0.000 min
Lab File: VU063684.D
Acq: 07 Nov 2025 13:58

Tgt Ion:225 Resp: 9426
Ion Ratio Lower Upper
225 100
223 60.3 50.2 75.4
227 61.9 50.0 75.0





#89

Naphthalene

Concen: 0.661 ug/l

RT: 14.068 min Scan# 3971

Delta R.T. 0.009 min

Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

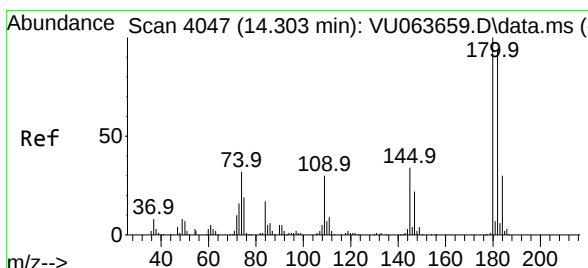
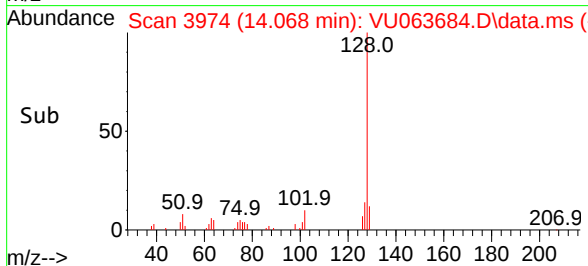
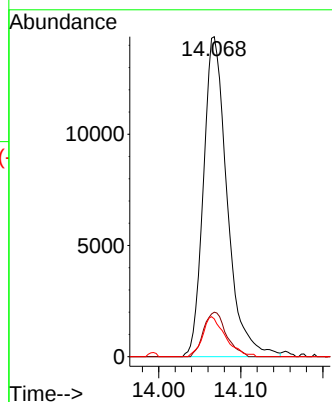
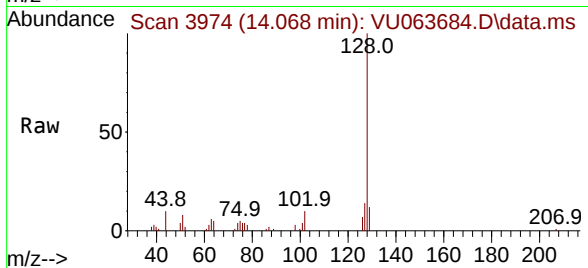
Tgt Ion:128	Resp:	28940
Ion Ratio	Lower	Upper
128	100	
127	13.3	10.2 15.2
129	12.0	8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#90

1,2,3-Trichlorobenzene

Concen: 0.671 ug/l

RT: 14.306 min Scan# 4048

Delta R.T. 0.003 min

Lab File: VU063684.D

Acq: 07 Nov 2025 13:58

Tgt Ion:180	Resp:	13959
Ion Ratio	Lower	Upper
180	100	
182	96.7	75.4 113.0
145	32.8	27.4 41.2

