

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110725\
 Data File : VU063683.D
 Acq On : 07 Nov 2025 13:28
 Operator : MD/SY
 Sample : Q3530-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Nov 08 02:33:43 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	54604	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	22461	0.909	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
68) 1,2-Dichlorobenzene-d4	12.171	152	20864	0.942	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	5687	0.277	ug/l	95
3) Chloromethane	1.509	50	6093	0.315	ug/l	98
4) Vinyl Chloride	1.589	62	6476	0.329	ug/l	99
5) Bromomethane	1.837	94	5164	0.435	ug/l	95
6) Chloroethane	1.917	64	4159	0.345	ug/l	100
7) Trichlorofluoromethane	2.116	101	9493	0.332	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.560	101	4954	0.326	ug/l	95
9) 1,1-Dichloroethene	2.557	96	5021	0.341	ug/l	97
10) Iodomethane	2.698	142	3676	0.168	ug/l	93
11) Allyl Chloride	2.898	41	7601	0.331	ug/l	85
12) Acrylonitrile	3.290	53	2926	0.803	ug/l	93
13) Acetone	2.608	43	9588	1.491	ug/l	99
14) Carbon Disulfide	2.766	76	10871	0.262	ug/l	# 91
15) Methylene Chloride	3.017	84	8187	0.433	ug/l	98
16) trans-1,2-Dichloroethene	3.319	96	6244	0.385	ug/l	91
17) 1,1-Dichloroethane	3.833	63	11334	0.352	ug/l	94
18) 2-Butanone	4.701	43	10126	1.484	ug/l	95
19) Cyclohexane	5.341	56	7917	0.322	ug/l	98
20) Methylcyclohexane	6.727	83	9730	0.318	ug/l	98
21) 2,2-Dichloropropane	4.628	77	9502	0.329	ug/l	# 80
22) cis-1,2-Dichloroethene	4.628	96	6304	0.341	ug/l	98
23) Diethyl Ether	2.361	59	3915	0.325	ug/l	96
24) tert-Butyl Alcohol	3.168	59	8675	4.172	ug/l	# 84
25) Methyl tert-Butyl Ether	3.345	73	14121	0.327	ug/l	97
26) Bromochloromethane	4.939	128	2923	0.375	ug/l	81
27) Chloroform	5.055	83	11470	0.349	ug/l	93
28) 1,1,1-Trichloroethane	5.280	97	9248	0.319	ug/l	97
29) 1,1-Dichloropropene	5.489	75	8697	0.357	ug/l	98
30) Carbon Tetrachloride	5.483	117	6663	0.290	ug/l	95
31) Isopropyl Ether	3.975	45	17060	0.335	ug/l	98
32) Ethyl-t-butyl ether	4.483	59	15779	0.321	ug/l	100
33) Tert-Amyl methyl ether	5.923	73	14690	0.344	ug/l	# 92
34) Propionitrile	4.763	54	2630	1.972	ug/l	# 84
35) Benzene	5.740	78	22471	0.327	ug/l	99
36) 1,2-Dichloroethane	5.766	62	7787	0.353	ug/l	# 86
37) Trichloroethene	6.512	130	6473	0.331	ug/l	99
38) 1,2-Dichloropropane	6.766	63	5553	0.289	ug/l	93
39) Methacrylonitrile	4.946	41	3337m	0.503	ug/l	
40) Methyl acrylate	4.830	55	3286	0.341	ug/l	# 86
41) Tetrahydrofuran	5.042	42	2597	0.870	ug/l	97
42) 1-Chlorobutane	5.422	56	10840	0.332	ug/l	94
43) Dibromomethane	6.898	93	3108	0.313	ug/l	97
44) Bromodichloromethane	7.081	83	6387	0.263	ug/l	96

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 MDL-WATER-03-QT4-2025

Quant Time: Nov 08 02:33:43 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

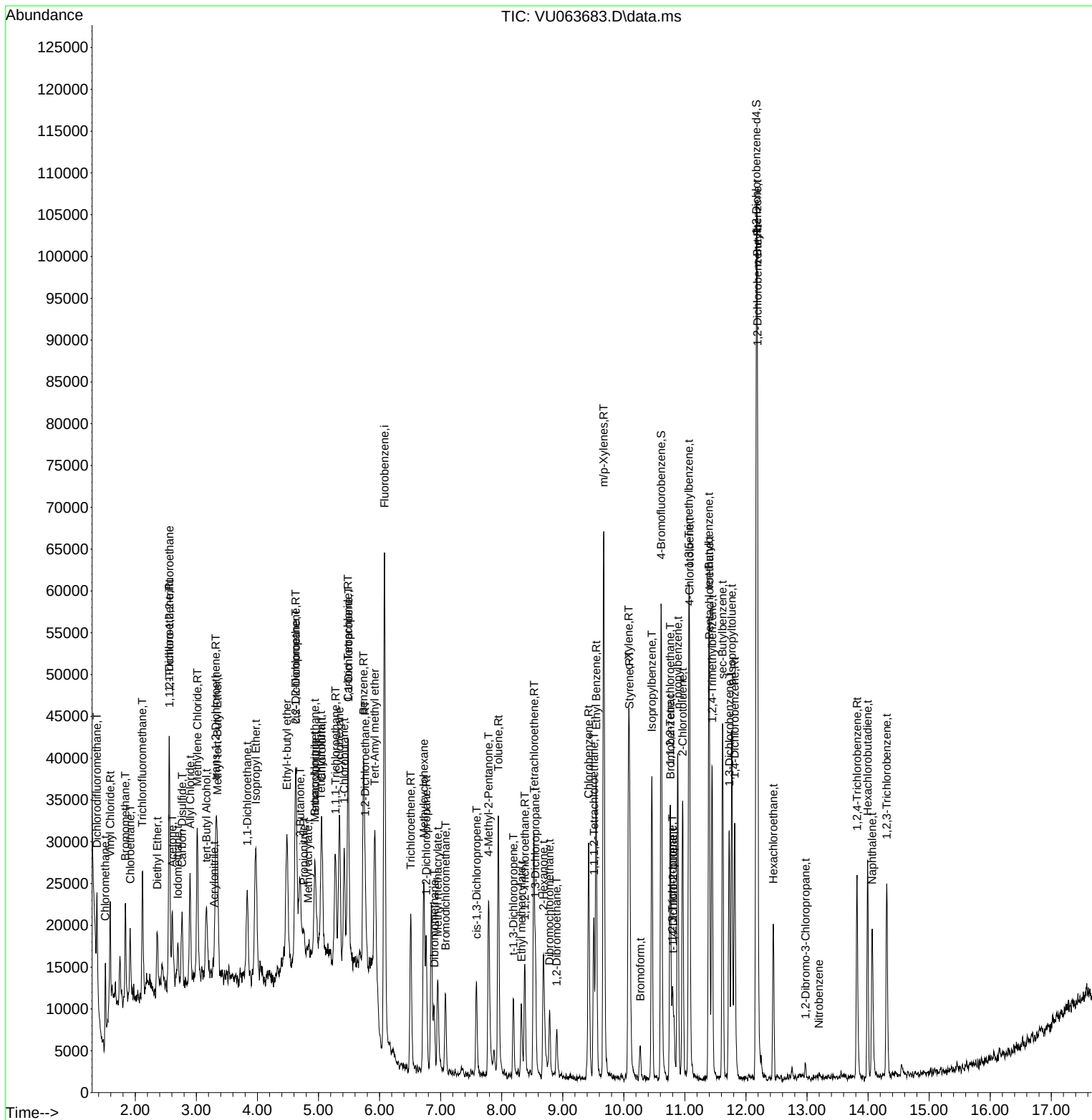
Reviewed By : John Carlone 11/12/2025
 Supervised By : Mahesh Dadoda 11/12/2025

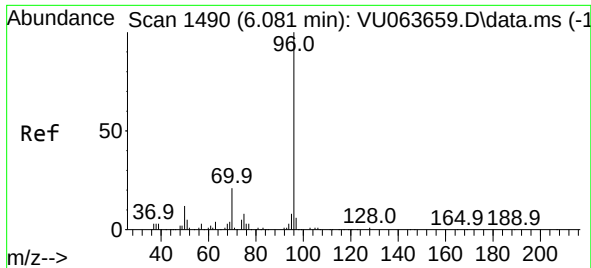
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	17744	1.480	ug/l	98
46) t-1,4-Dichloro-2-butene	10.807	75	2170m	0.522	ug/l	
47) Methyl methacrylate	6.955	69	5603	0.613	ug/l	88
48) Ethyl methacrylate	8.325	69	5221	0.281	ug/l	91
49) Toluene	7.946	92	13823	0.299	ug/l	93
50) t-1,3-Dichloropropene	8.193	75	5254	0.249	ug/l	93
51) cis-1,3-Dichloropropene	7.589	75	7035	0.266	ug/l	96
52) 1,1,2-Trichloroethane	8.380	97	4239	0.314	ug/l	90
53) 1,3-Dichloropropane	8.553	76	7707	0.319	ug/l	98
54) 2-Hexanone	8.685	43	13137	1.298	ug/l	98
55) Dibromochloromethane	8.785	129	4172	0.262	ug/l	88
56) 1,2-Dibromoethane	8.901	107	4050	0.315	ug/l	94
58) Tetrachloroethene	8.531	164	6030	0.315	ug/l	98
59) Chlorobenzene	9.425	112	16177	0.322	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.512	131	4751	0.270	ug/l	100
61) Pentachloroethane	11.402	117	3056	0.251	ug/l	94
62) Hexachloroethane	12.450	117	2672	0.200	ug/l	96
63) Ethyl Benzene	9.547	91	27565	0.303	ug/l	97
64) m/p-Xylenes	9.672	106	20950	0.617	ug/l	92
65) o-Xylene	10.081	106	9935	0.299	ug/l	98
66) Styrene	10.094	104	14842	0.275	ug/l	98
67) Bromoform	10.270	173	1775	0.207	ug/l #	98
69) Isopropylbenzene	10.460	105	24576	0.299	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.759	83	5045	0.297	ug/l	99
71) 1,2,3-Trichloropropane	10.798	75	4334m	0.293	ug/l	
72) Bromobenzene	10.766	156	6584	0.331	ug/l	85
73) n-propylbenzene	10.884	120	7171	0.307	ug/l	99
74) 2-Chlorotoluene	10.965	126	6125	0.303	ug/l	96
75) 1,3,5-Trimethylbenzene	11.065	105	21816	0.287	ug/l	100
76) 4-Chlorotoluene	11.077	126	6755	0.332	ug/l	84
77) tert-Butylbenzene	11.393	119	22430	0.301	ug/l	99
78) 1,2,4-Trimethylbenzene	11.447	105	21905	0.300	ug/l	98
79) sec-Butylbenzene	11.618	105	29934	0.306	ug/l	100
80) Nitrobenzene	13.196	77	571m	0.957	ug/l	
81) p-Isopropyltoluene	11.769	119	23005	0.287	ug/l	99
82) 1,3-Dichlorobenzene	11.727	146	12368	0.321	ug/l	96
83) 1,4-Dichlorobenzene	11.817	146	12939	0.338	ug/l	96
84) n-Butylbenzene	12.187	91	21658	0.301	ug/l	95
85) 1,2-Dichlorobenzene	12.190	146	11894	0.327	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.974	75	465	0.165	ug/l	91
87) 1,2,4-Trichlorobenzene	13.820	180	8228	0.367	ug/l	98
88) Hexachlorobutadiene	13.994	225	4498	0.337	ug/l	96
89) Naphthalene	14.068	128	17092	0.396	ug/l	99
90) 1,2,3-Trichlorobenzene	14.306	180	7950	0.388	ug/l	98

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

Manual Integrations

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QLast Update : Mon Nov 03 00:51:51 2025
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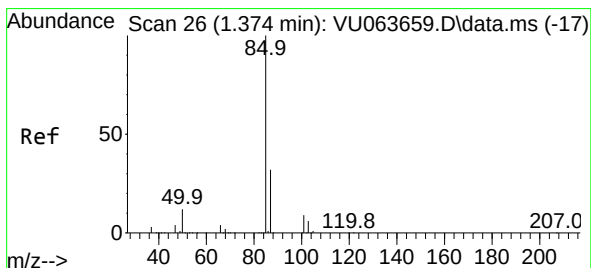
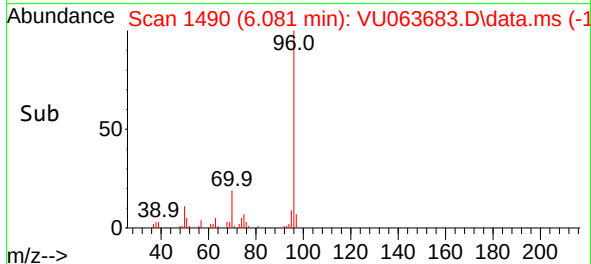
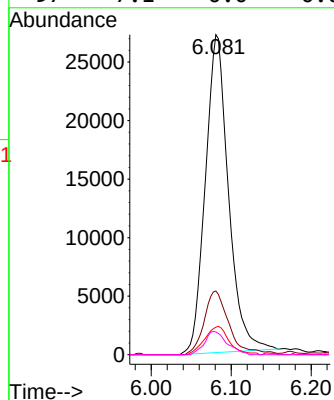
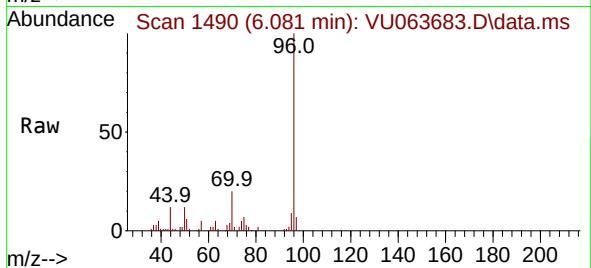
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.081 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

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

Tgt Ion: 96	Resp: 5460
Ion Ratio	Lower Upper
96 100	
70 20.0	15.3 22.9
95 9.4	6.5 9.7
97 7.1	0.0 0.0

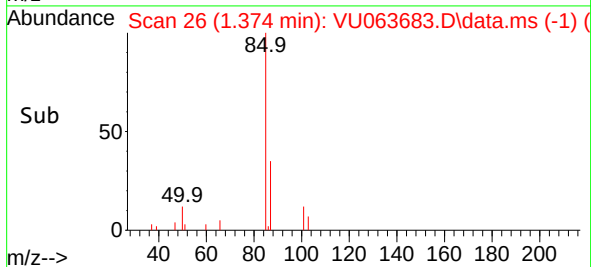
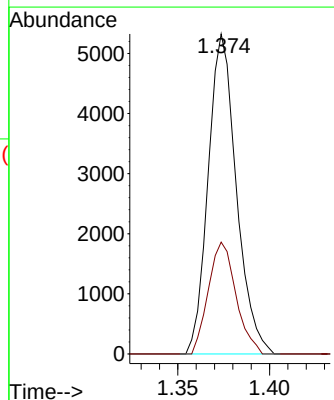
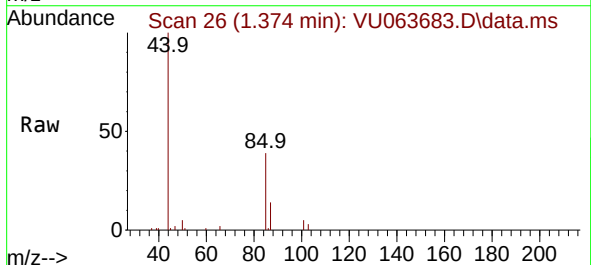
Manual Integrations
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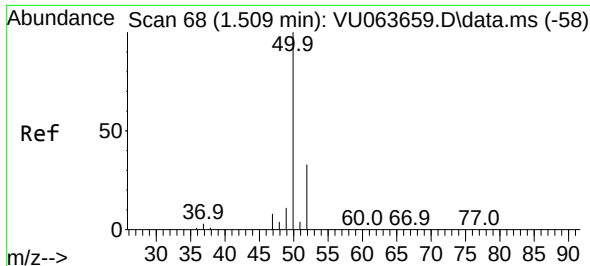
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#2
Dichlorodifluoromethane
Concen: 0.277 ug/l
RT: 1.374 min Scan# 26
Delta R.T. -0.000 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

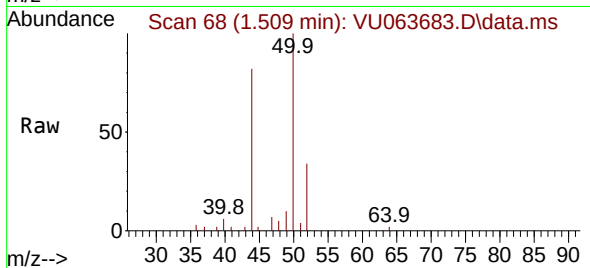
Tgt Ion: 85	Resp: 5687
Ion Ratio	Lower Upper
85 100	
87 35.0	16.0 47.9





#3
Chloromethane
Concen: 0.315 ug/l
RT: 1.509 min Scan# 68
Delta R.T. -0.000 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

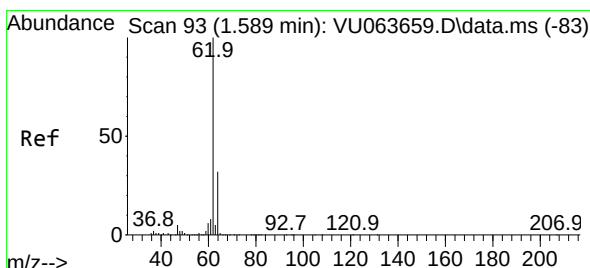
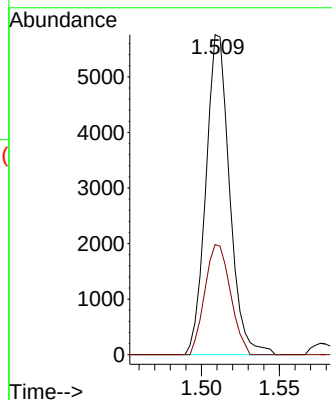
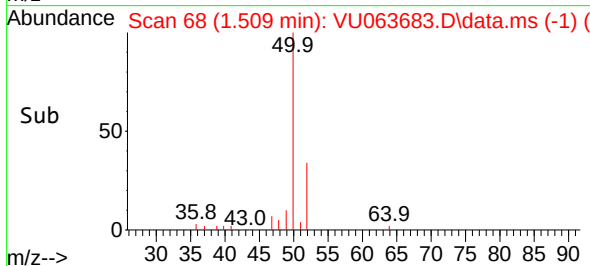
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



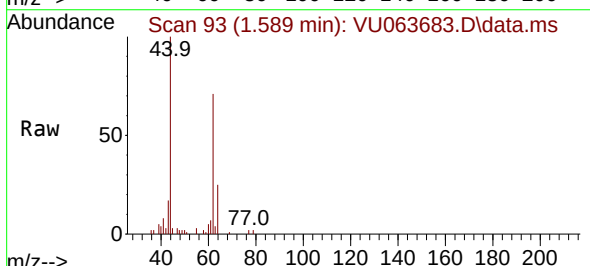
Tgt Ion: 50 Resp: 609
Ion Ratio Lower Upper
50 100
52 34.4 26.6 40.0

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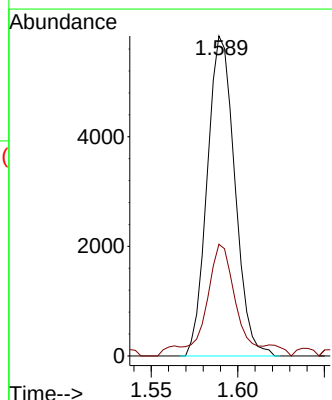
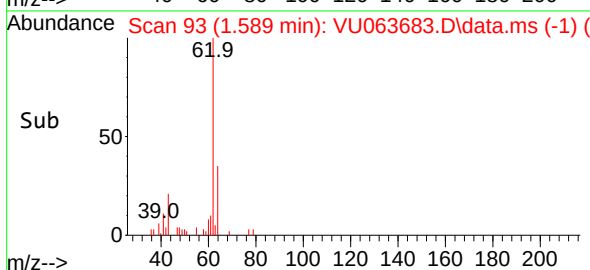
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

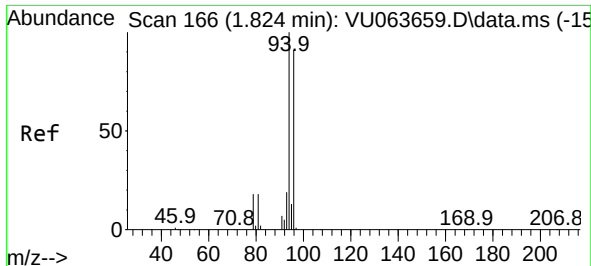


#4
Vinyl Chloride
Concen: 0.329 ug/l
RT: 1.589 min Scan# 93
Delta R.T. -0.000 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28



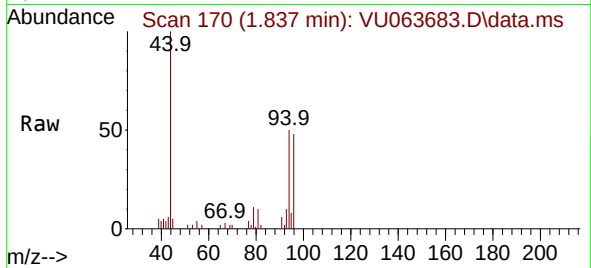
Tgt Ion: 62 Resp: 6476
Ion Ratio Lower Upper
62 100
64 32.2 25.2 37.8





#5
Bromomethane
Concen: 0.435 ug/l
RT: 1.837 min Scan# 11
Delta R.T. 0.013 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

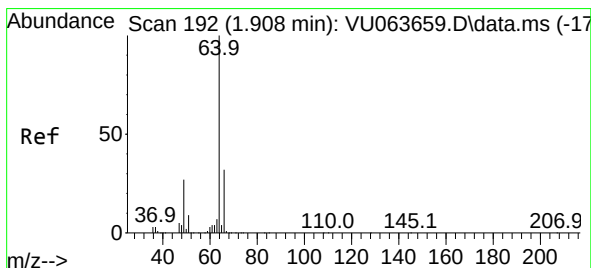
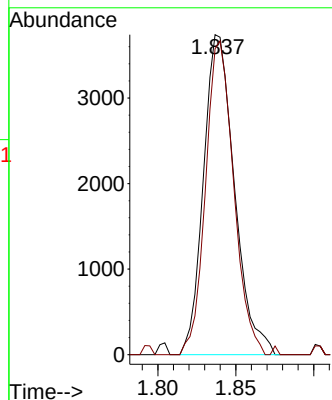
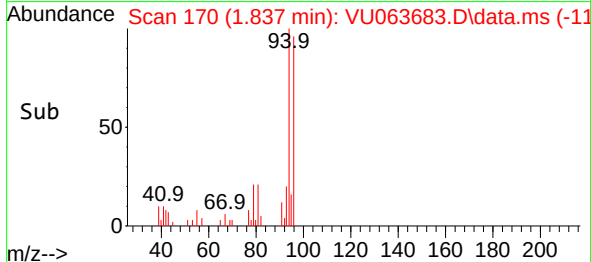
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 94 Resp: 5164
Ion Ratio Lower Upper
94 100
96 95.6 73.0 109.6

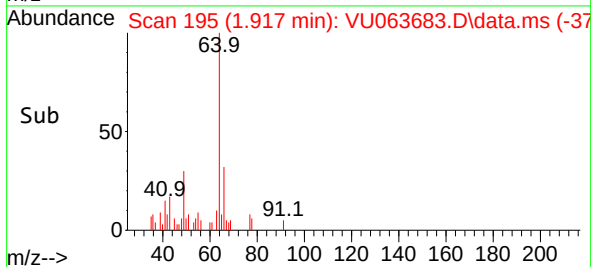
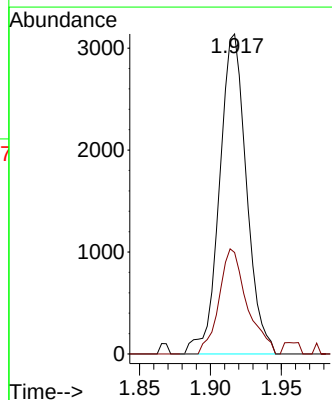
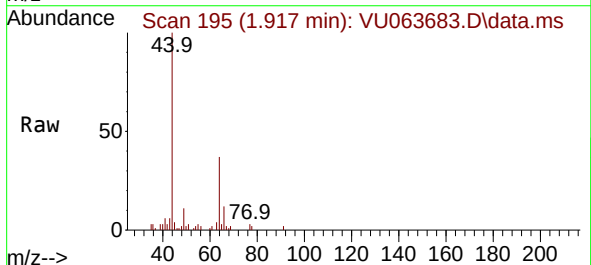
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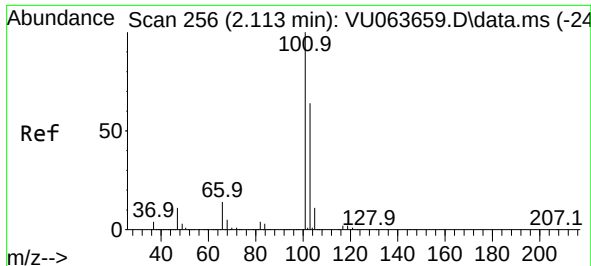
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#6
Chloroethane
Concen: 0.345 ug/l
RT: 1.917 min Scan# 195
Delta R.T. 0.009 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

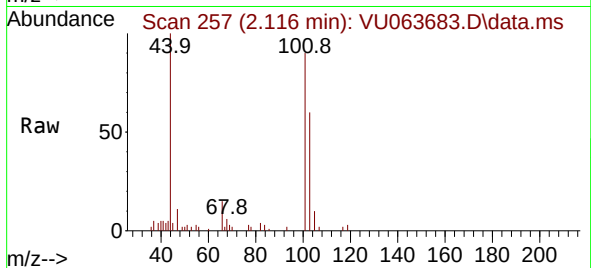
Tgt Ion: 64 Resp: 4159
Ion Ratio Lower Upper
64 100
66 31.7 25.4 38.2





#7
Trichlorofluoromethane
Concen: 0.332 ug/l
RT: 2.116 min Scan# 210
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

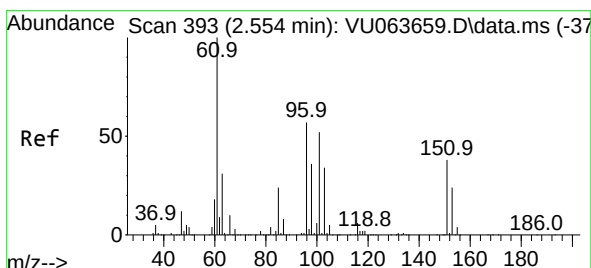
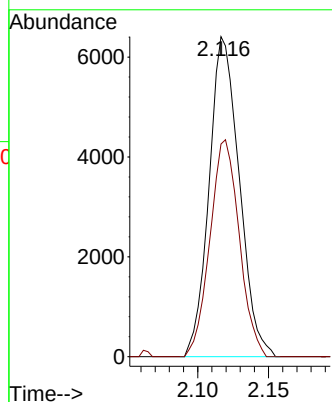
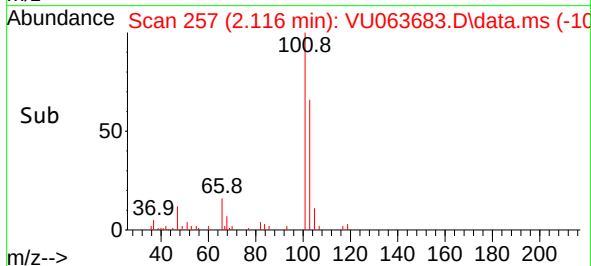
Instrument :
MSVOA_U
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MDL-WATER-03-QT4-2025



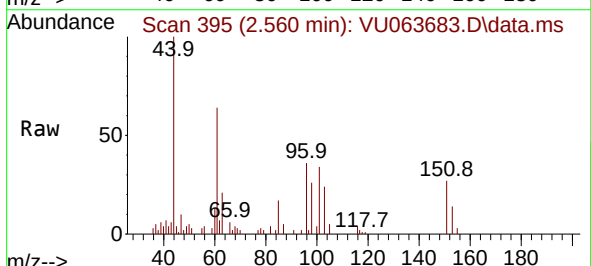
Tgt Ion:101 Resp: 949
Ion Ratio Lower Upper
101 100
103 66.5 51.0 76.6

Manual Integrations
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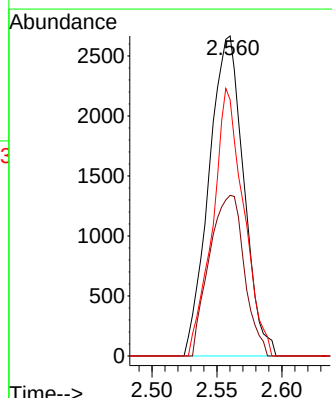
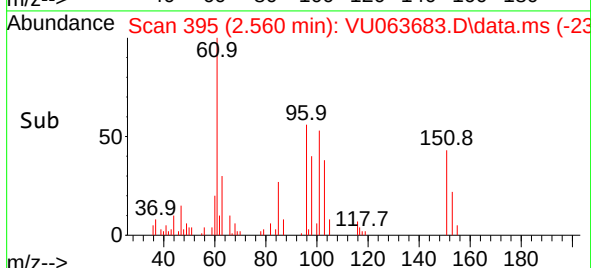
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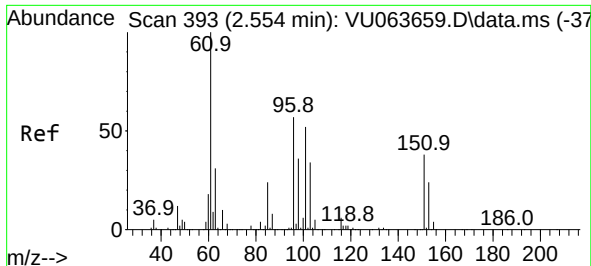


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.326 ug/l
RT: 2.560 min Scan# 395
Delta R.T. 0.006 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28



Tgt Ion:101 Resp: 4954
Ion Ratio Lower Upper
101 100
85 50.7 37.0 55.4
151 74.6 57.2 85.8





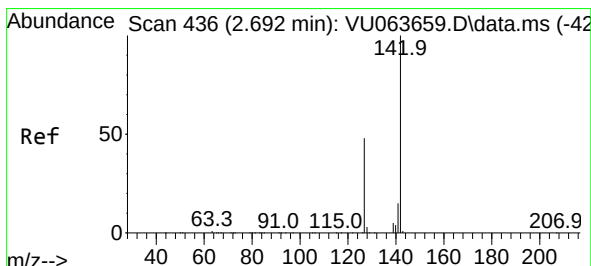
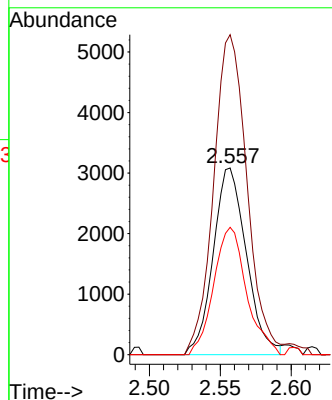
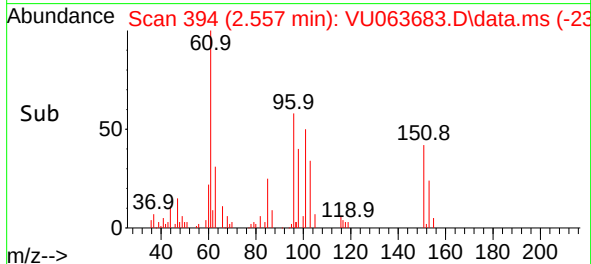
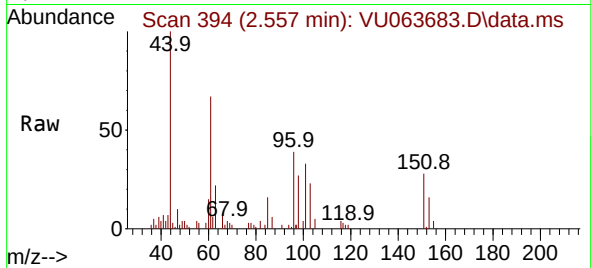
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1,1-Dichloroethene
Concen: 0.341 ug/l
RT: 2.557 min Scan# 393
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

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

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.4	0.0	524.7
98	68.2	0.0	126.8

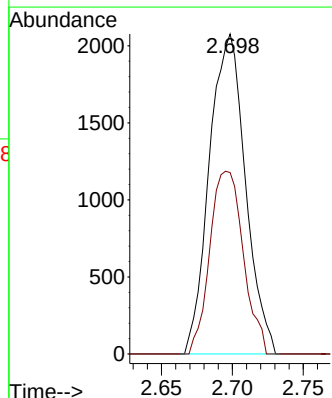
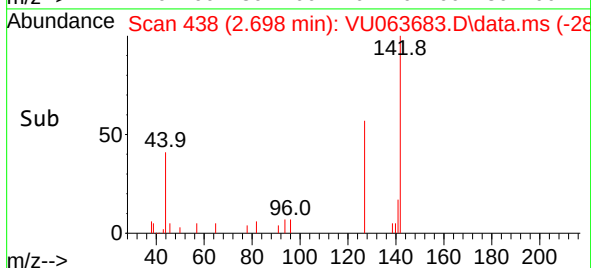
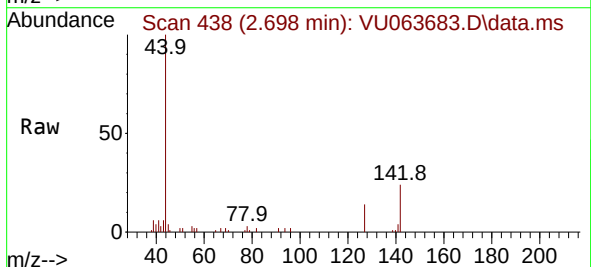
Manual Integrations
APPROVED

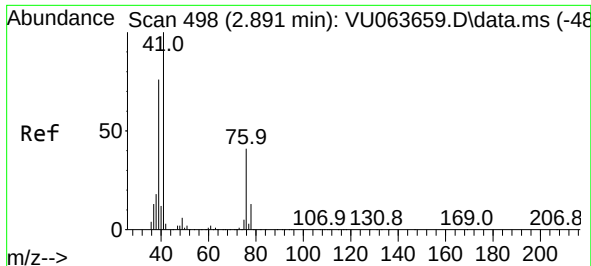
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#10
Iodomethane
Concen: 0.168 ug/l
RT: 2.698 min Scan# 438
Delta R.T. 0.006 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

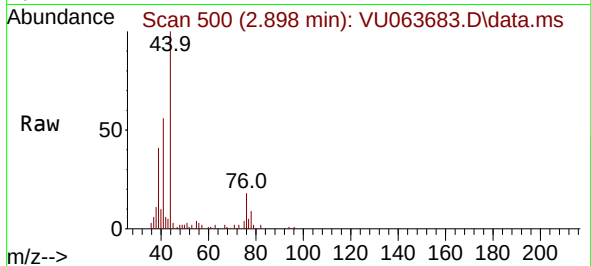
Tgt Ion	Ratio	Lower	Upper
142	100		
127	53.1	38.6	58.0





#11
 Allyl Chloride
 Concen: 0.331 ug/l
 RT: 2.898 min Scan# 500
 Delta R.T. 0.006 min
 Lab File: VU063683.D
 Acq: 07 Nov 2025 13:28

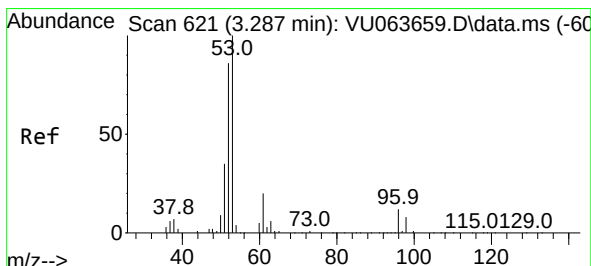
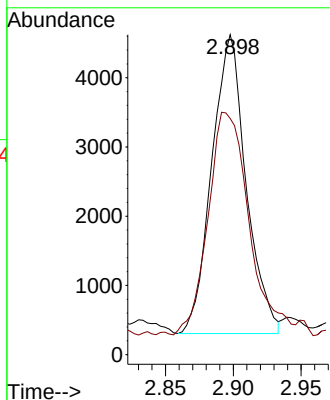
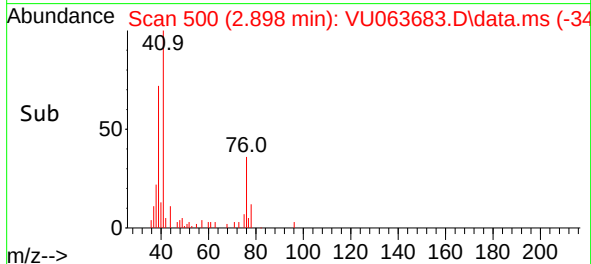
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025



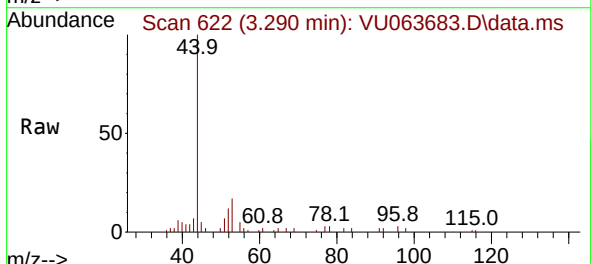
Tgt Ion: 41 Resp: 760
 Ion Ratio Lower Upper
 41 100
 39 88.9 61.0 91.4

Manual Integrations
 APPROVED

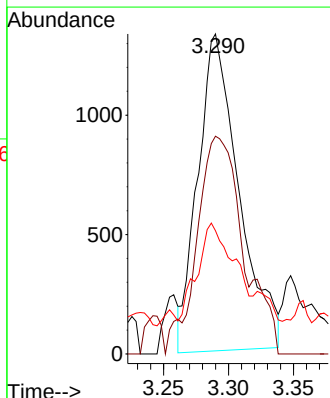
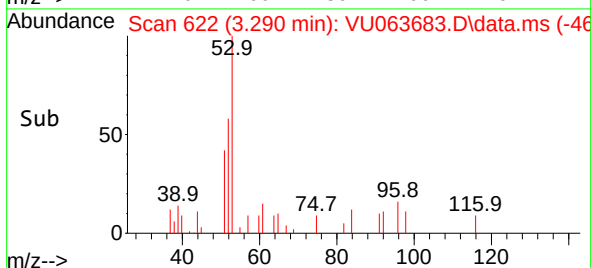
Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025

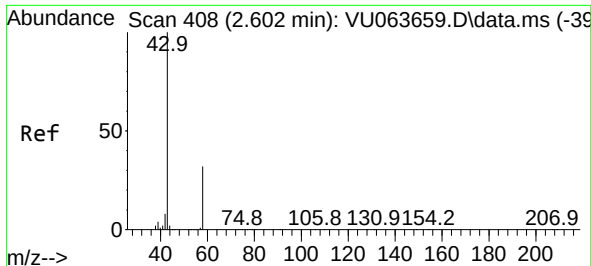


#12
 Acrylonitrile
 Concen: 0.803 ug/l
 RT: 3.290 min Scan# 622
 Delta R.T. 0.003 min
 Lab File: VU063683.D
 Acq: 07 Nov 2025 13:28



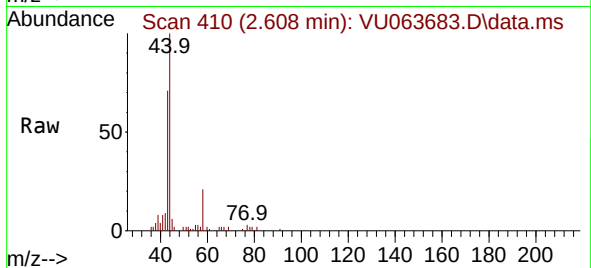
Tgt Ion: 53 Resp: 2926
 Ion Ratio Lower Upper
 53 100
 52 77.8 65.4 98.0
 51 27.6 27.6 41.4





#13
Acetone
Concen: 1.491 ug/l
RT: 2.608 min Scan# 410
Delta R.T. 0.006 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

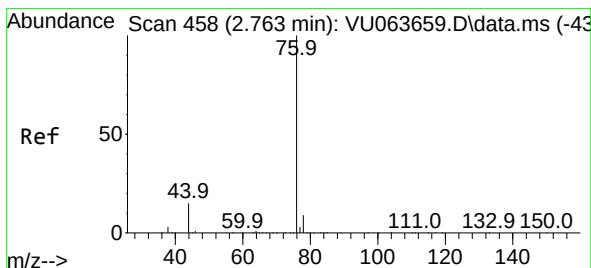
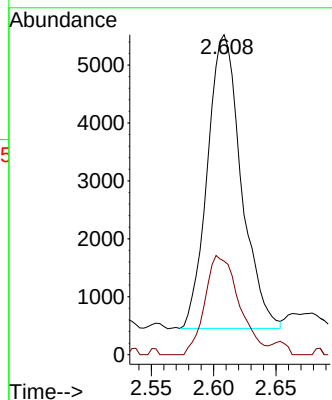
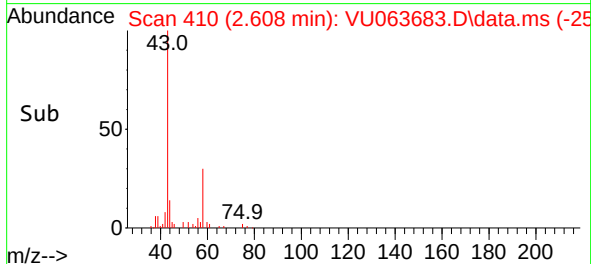
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



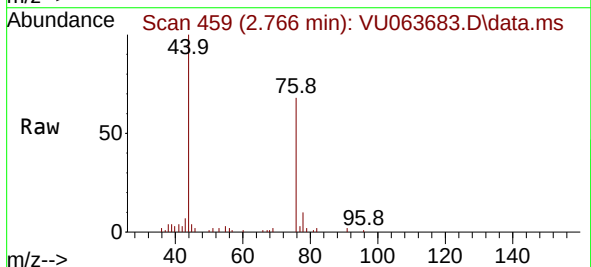
Tgt Ion: 43 Resp: 958
Ion Ratio Lower Upper
43 100
58 31.9 25.2 37.8

Manual Integrations
APPROVED

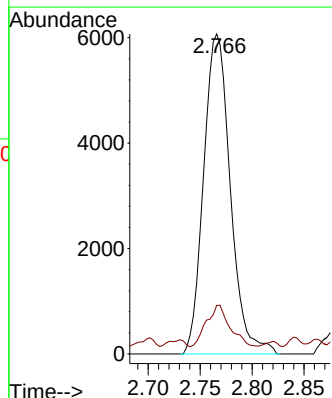
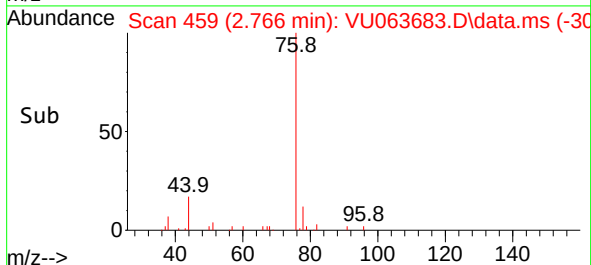
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

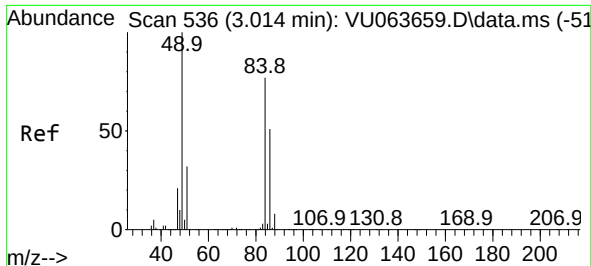


#14
Carbon Disulfide
Concen: 0.262 ug/l
RT: 2.766 min Scan# 459
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28



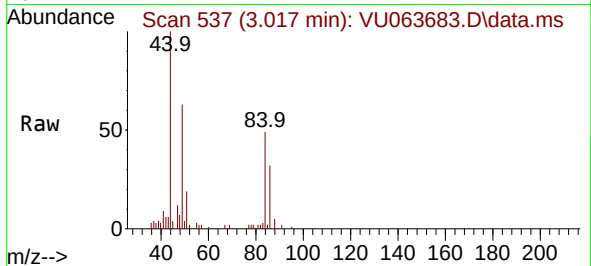
Tgt Ion: 76 Resp: 10871
Ion Ratio Lower Upper
76 100
78 12.7 7.5 11.3#





#15
Methylene Chloride
Concen: 0.433 ug/l
RT: 3.017 min Scan# 518
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

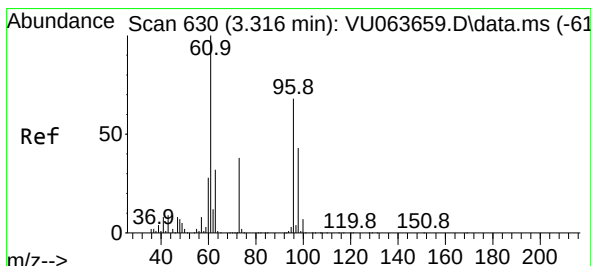
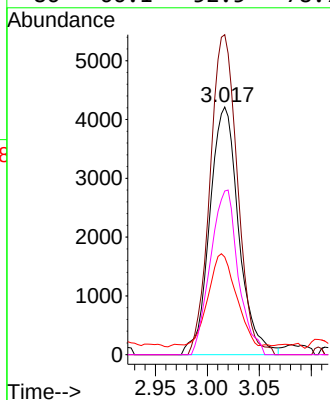
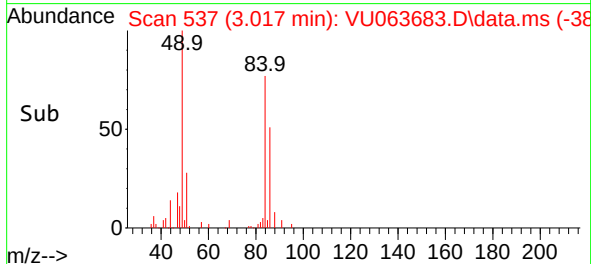
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.2	103.4	155.0
51	35.4	0.0	81.6
86	66.1	52.5	78.7

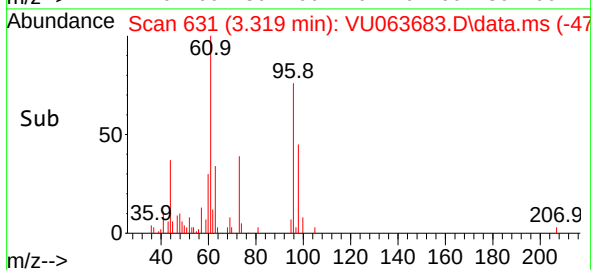
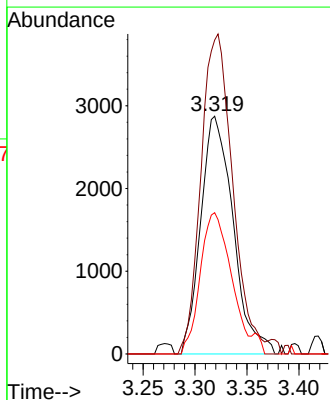
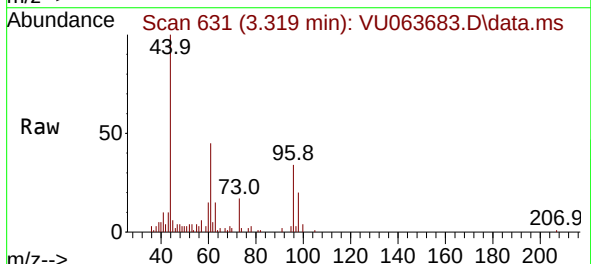
Manual Integrations
APPROVED

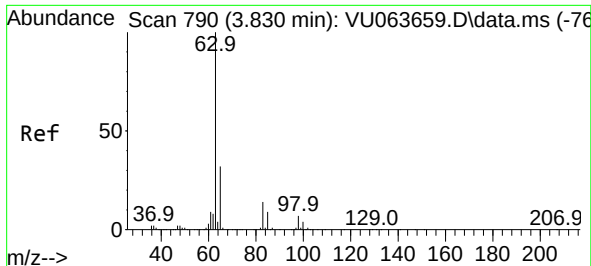
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#16
trans-1,2-Dichloroethene
Concen: 0.385 ug/l
RT: 3.319 min Scan# 631
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

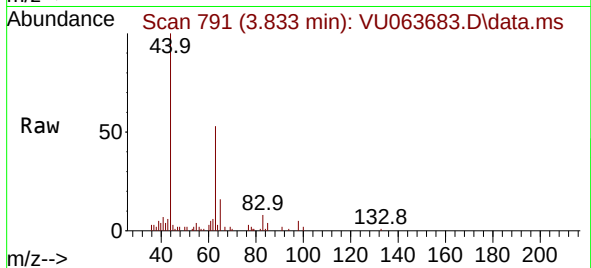
Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.0	117.4	176.2
98	59.4	49.9	74.9





#17
1,1-Dichloroethane
Concen: 0.352 ug/l
RT: 3.833 min Scan# 791
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

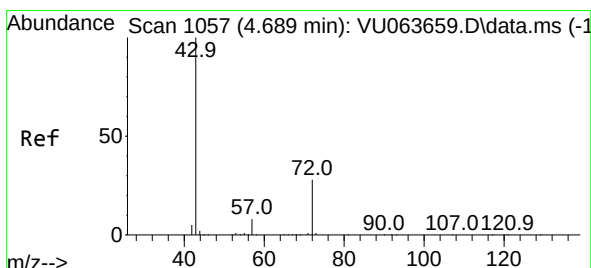
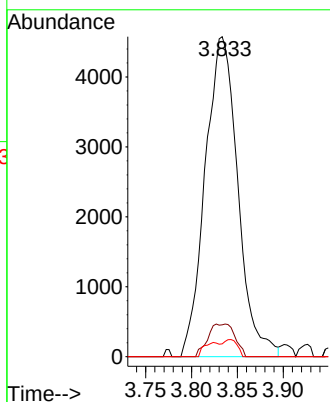
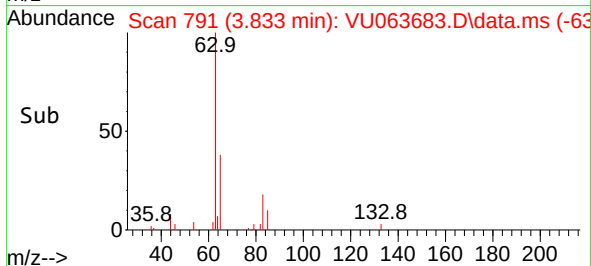
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



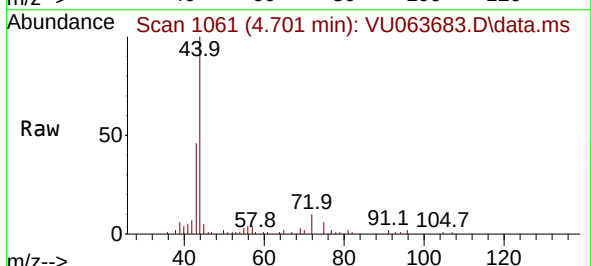
Tgt Ion: 63 Resp: 11334
Ion Ratio Lower Upper
63 100
98 10.0 3.5 10.5
100 4.0 2.2 6.6

Manual Integrations
APPROVED

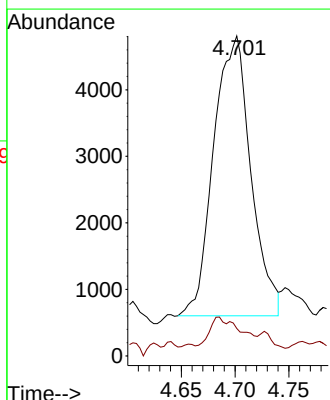
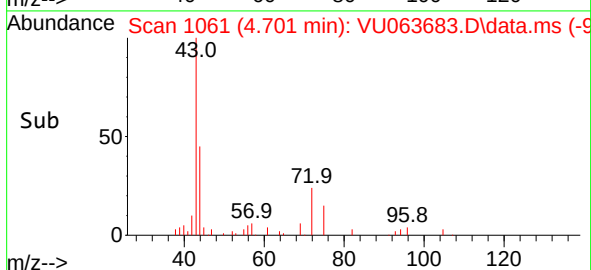
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

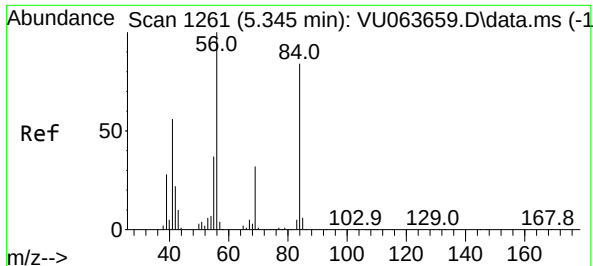


#18
2-Butanone
Concen: 1.484 ug/l
RT: 4.701 min Scan# 1061
Delta R.T. 0.013 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28



Tgt Ion: 43 Resp: 10126
Ion Ratio Lower Upper
43 100
57 6.6 0.0 16.6





#19

Cyclohexane

Concen: 0.322 ug/l

RT: 5.341 min Scan# 1261

Delta R.T. -0.003 min

Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

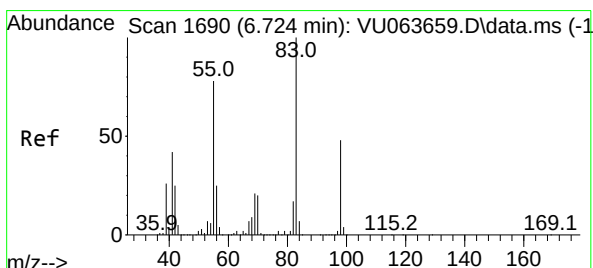
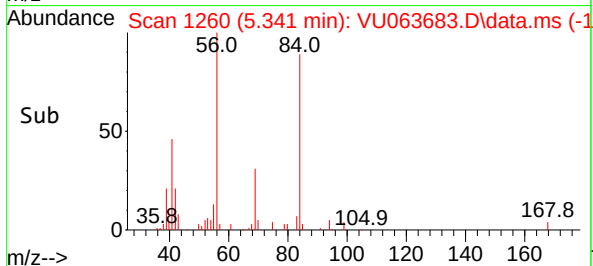
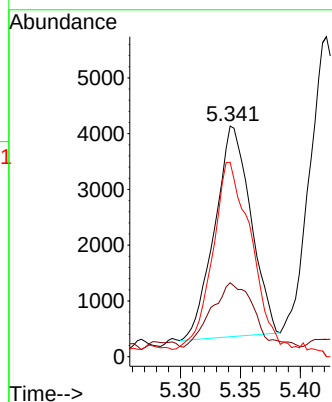
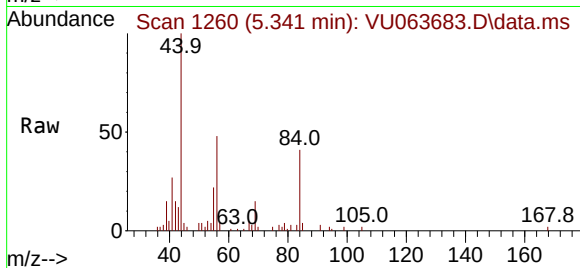
Tgt Ion:	56	Resp:	791
Ion Ratio	Lower	Upper	
56	100		
69	35.5	27.1	40.7
84	93.3	73.4	110.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#20

Methylcyclohexane

Concen: 0.318 ug/l

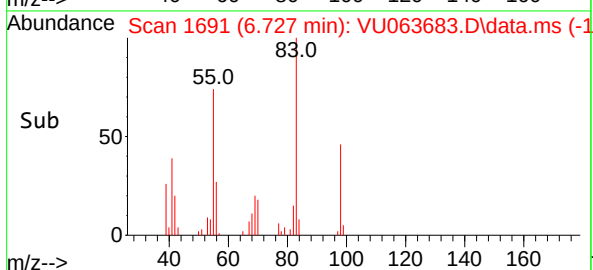
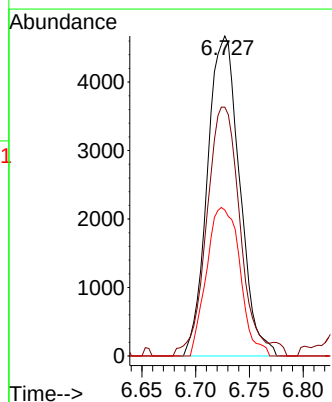
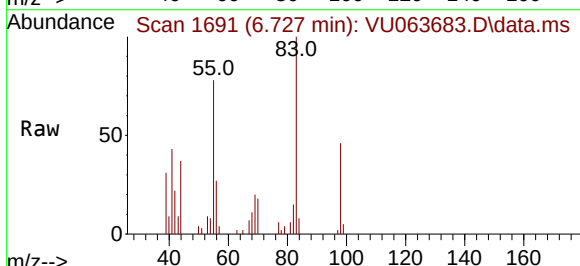
RT: 6.727 min Scan# 1691

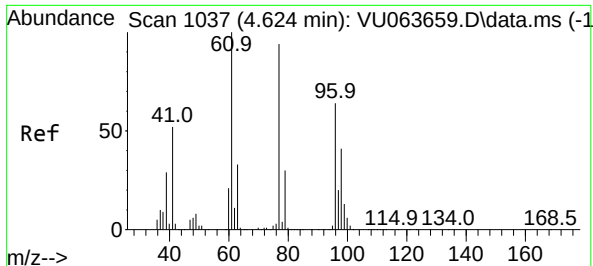
Delta R.T. 0.003 min

Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

Tgt Ion:	83	Resp:	9730
Ion Ratio	Lower	Upper	
83	100		
55	74.8	61.5	92.3
98	48.1	37.9	56.9





#21

2,2-Dichloropropane

Concen: 0.329 ug/l

RT: 4.628 min Scan# 1037

Delta R.T. 0.003 min

Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

Instrument :

MSVOA_U

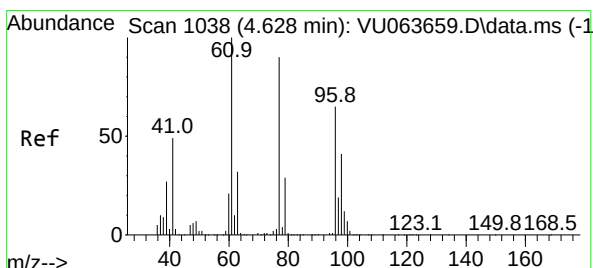
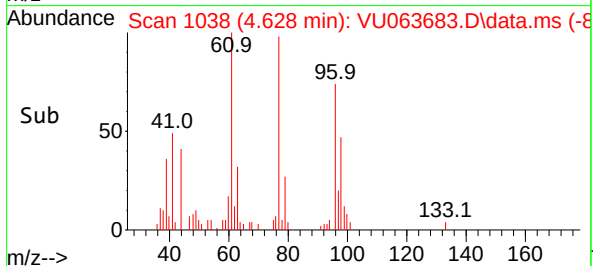
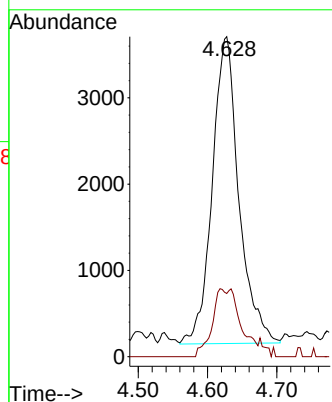
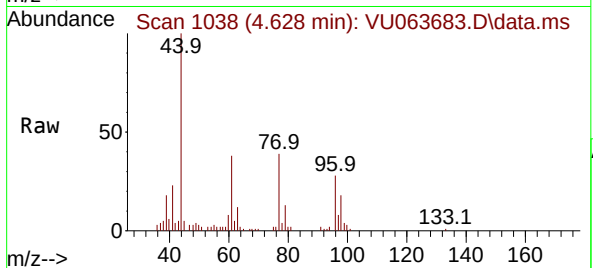
ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 77 Resp: 950
 Ion Ratio Lower Upper
 77 100
 97 12.2 17.1 25.7

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



#22

cis-1,2-Dichloroethene

Concen: 0.341 ug/l

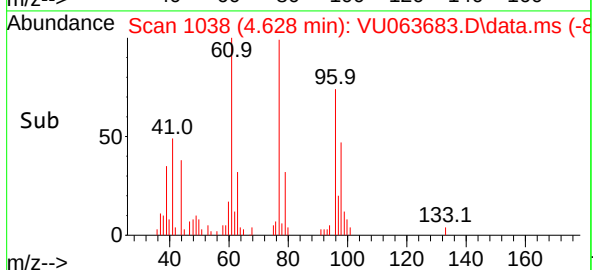
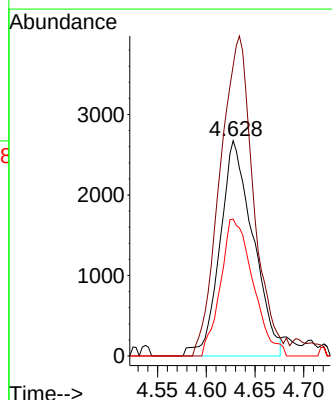
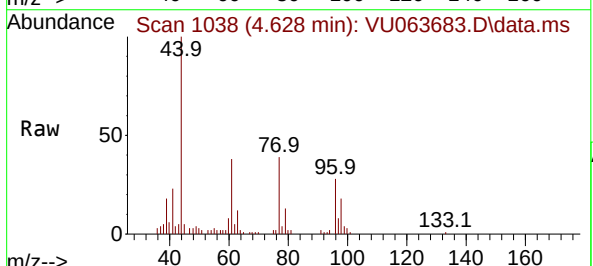
RT: 4.628 min Scan# 1038

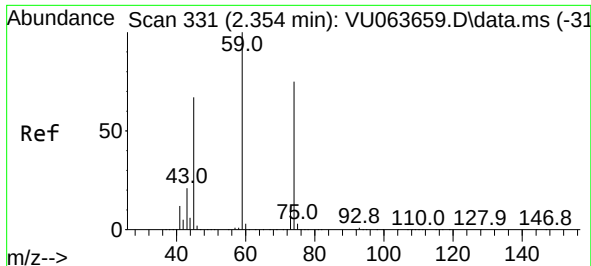
Delta R.T. -0.000 min

Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

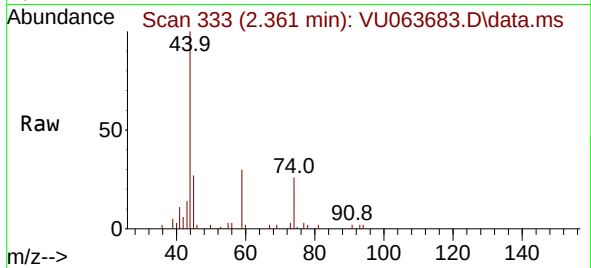
Tgt Ion: 96 Resp: 6304
 Ion Ratio Lower Upper
 96 100
 61 151.4 0.0 385.0
 98 62.4 31.3 93.9





#23
Diethyl Ether
Concen: 0.325 ug/l
RT: 2.361 min Scan# 311
Delta R.T. 0.006 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

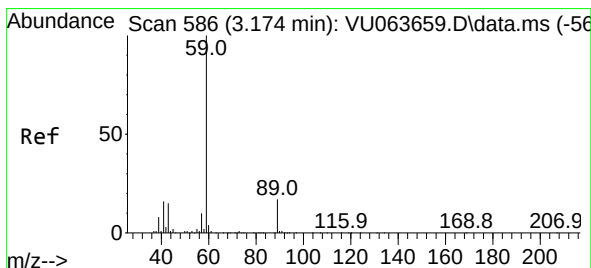
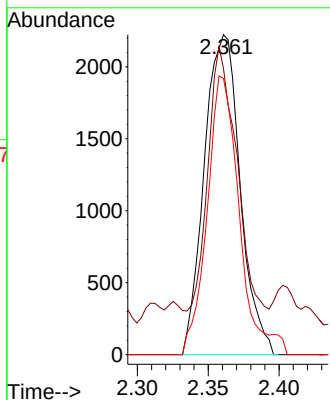
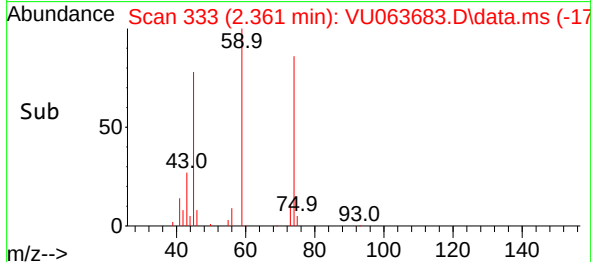
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 59 Resp: 3915
Ion Ratio Lower Upper
59 100
45 68.0 52.6 78.8
74 77.9 59.4 89.2

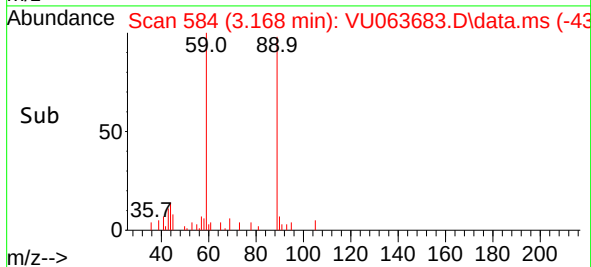
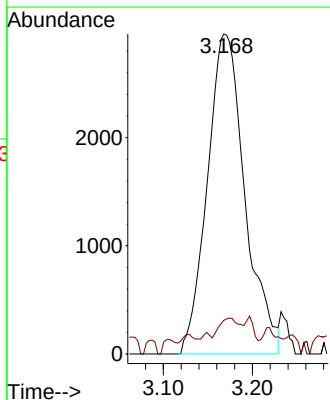
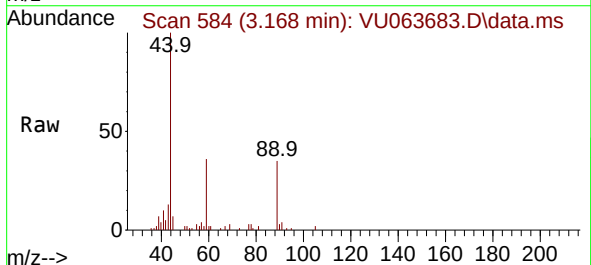
Manual Integrations
APPROVED

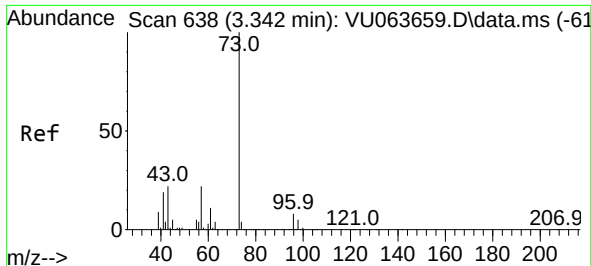
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#24
tert-Butyl Alcohol
Concen: 4.172 ug/l
RT: 3.168 min Scan# 584
Delta R.T. -0.007 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

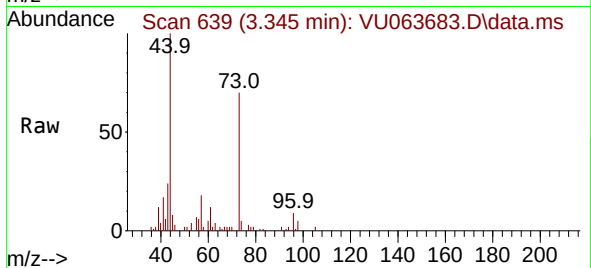
Tgt Ion: 59 Resp: 8675
Ion Ratio Lower Upper
59 100
57 3.3 7.2 10.8#





#25
Methyl tert-Butyl Ether
Concen: 0.327 ug/l
RT: 3.345 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

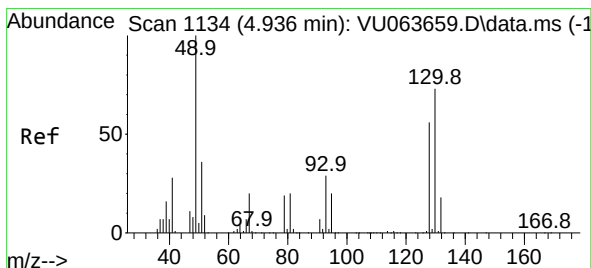
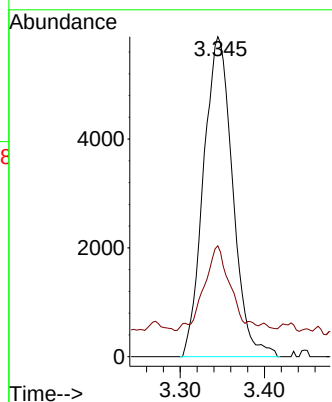
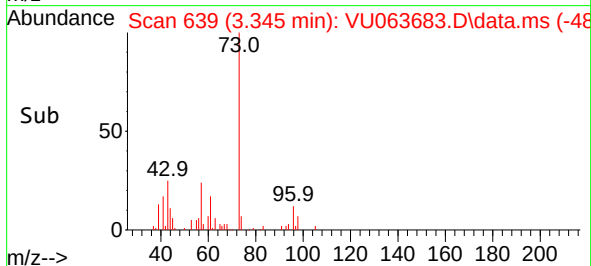
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 73 Resp: 1412
Ion Ratio Lower Upper
73 100
43 22.9 17.4 26.0

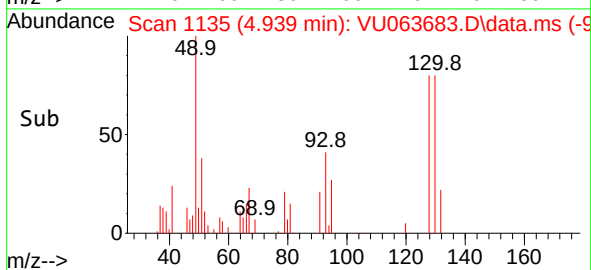
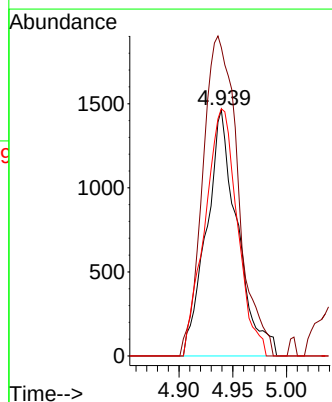
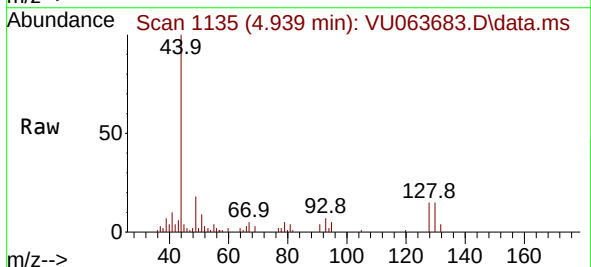
Manual Integrations
APPROVED

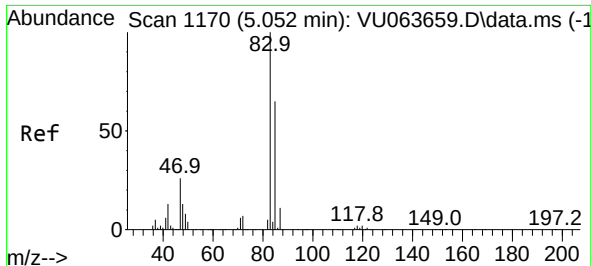
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#26
Bromochloromethane
Concen: 0.375 ug/l
RT: 4.939 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

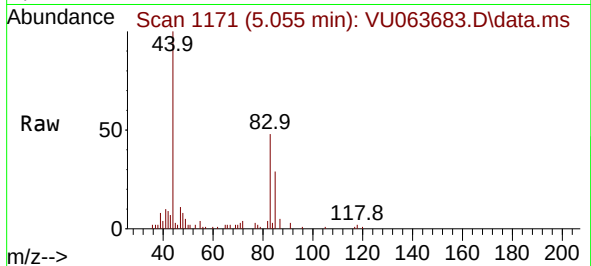
Tgt Ion:128 Resp: 2923
Ion Ratio Lower Upper
128 100
49 148.8 0.0 349.6
130 105.9 102.7 154.1





#27
Chloroform
Concen: 0.349 ug/l
RT: 5.055 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

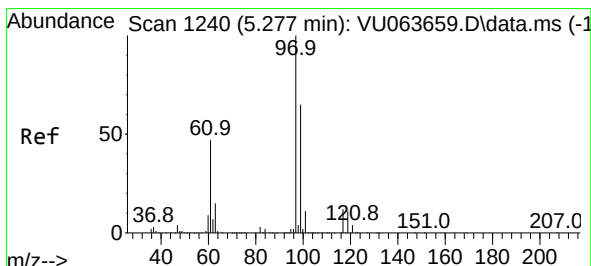
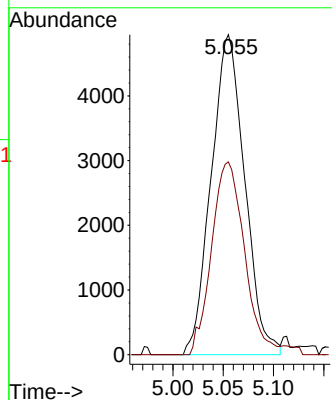
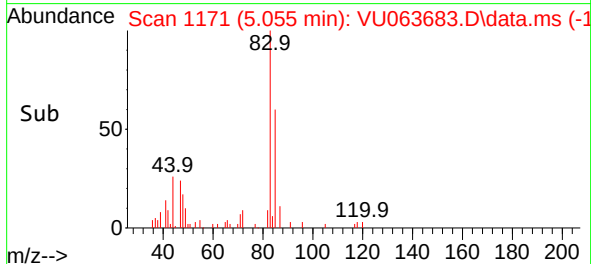
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



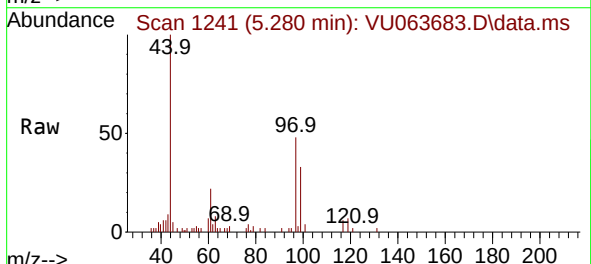
Tgt Ion: 83 Resp: 11470
Ion Ratio Lower Upper
83 100
85 60.3 0.0 130.8

Manual Integrations
APPROVED

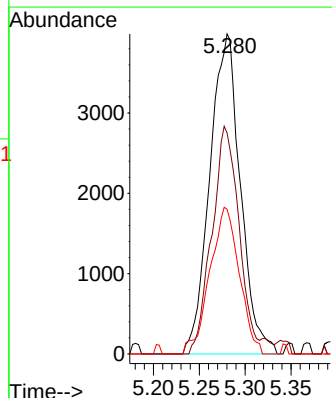
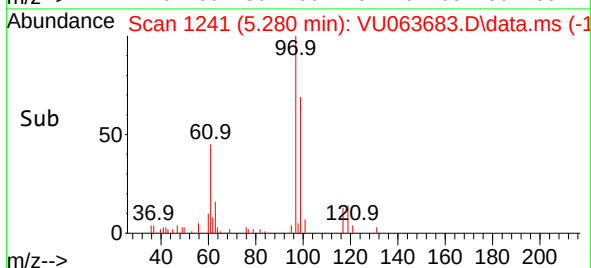
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

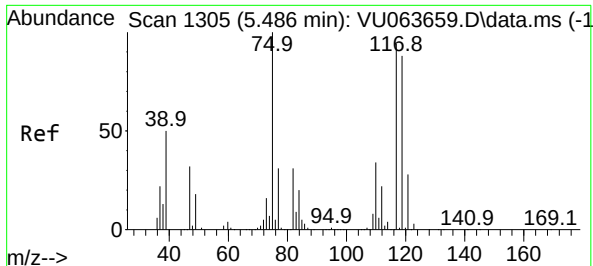


#28
1,1,1-Trichloroethane
Concen: 0.319 ug/l
RT: 5.280 min Scan# 1241
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28



Tgt Ion: 97 Resp: 9248
Ion Ratio Lower Upper
97 100
99 62.9 32.3 96.8
61 44.0 23.3 69.8





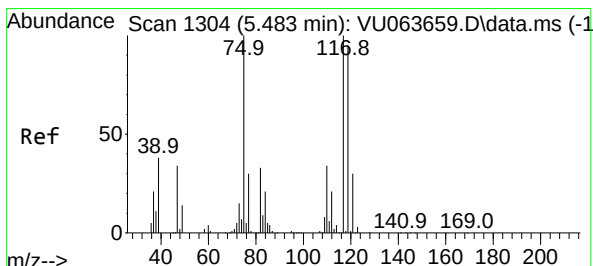
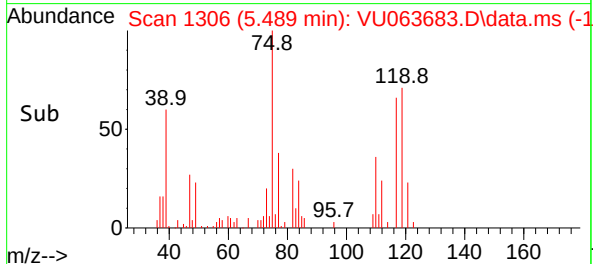
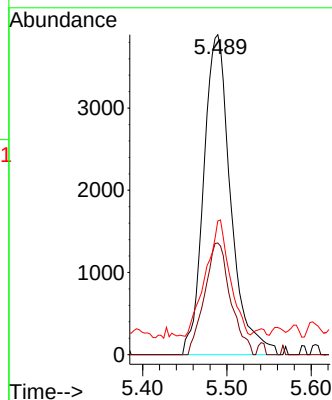
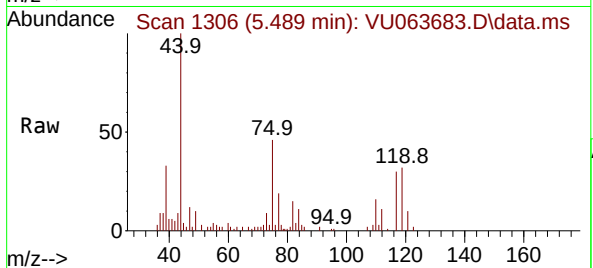
#29
1,1-Dichloropropene
Concen: 0.357 ug/l
RT: 5.489 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

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

Tgt Ion: 75 Resp: 869
Ion Ratio Lower Upper
75 100
110 33.6 17.2 51.5
77 32.3 24.5 36.7

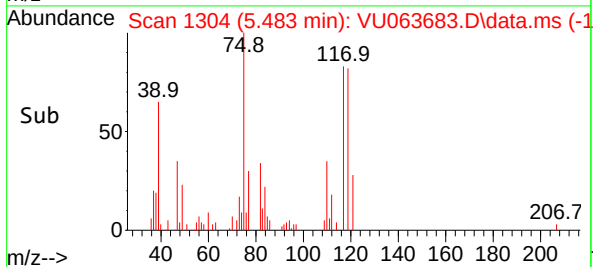
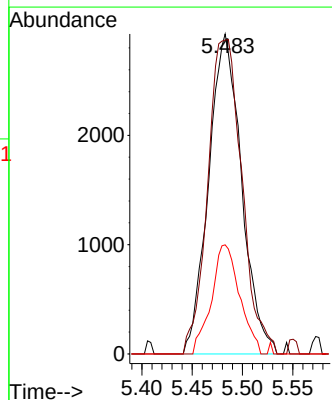
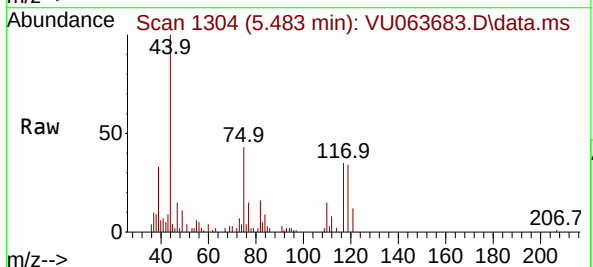
Manual Integrations
APPROVED

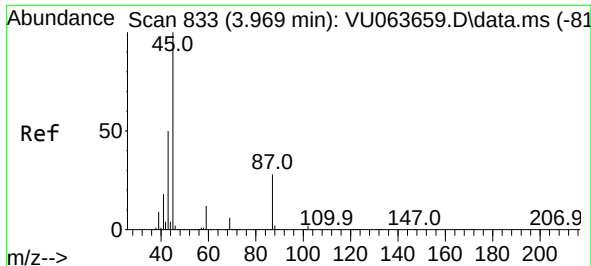
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#30
Carbon Tetrachloride
Concen: 0.290 ug/l
RT: 5.483 min Scan# 1304
Delta R.T. -0.000 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

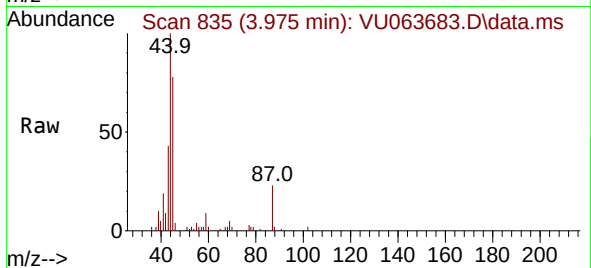
Tgt Ion:117 Resp: 6663
Ion Ratio Lower Upper
117 100
119 98.1 75.7 113.5
121 34.1 23.8 35.6





#31
Isopropyl Ether
Concen: 0.335 ug/l
RT: 3.975 min Scan# 81
Delta R.T. 0.006 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

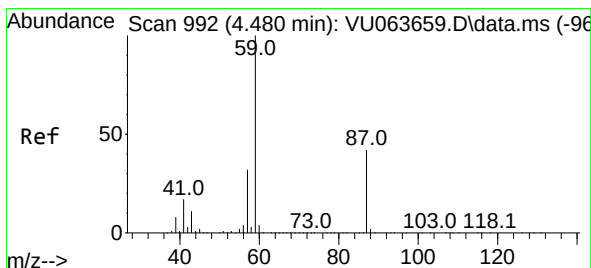
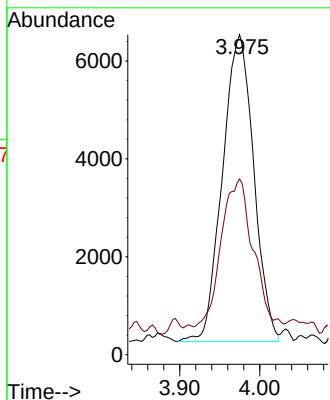
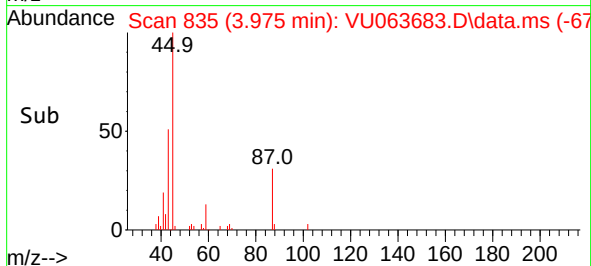
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



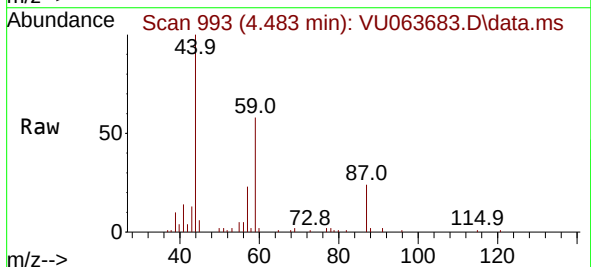
Tgt Ion: 45 Resp: 17060
Ion Ratio Lower Upper
45 100
43 49.0 25.3 75.9

Manual Integrations
APPROVED

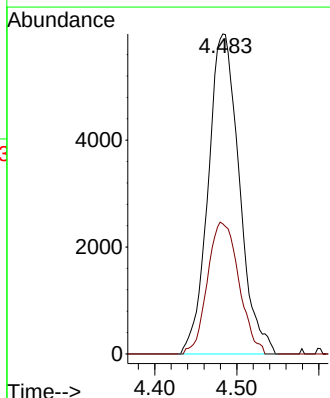
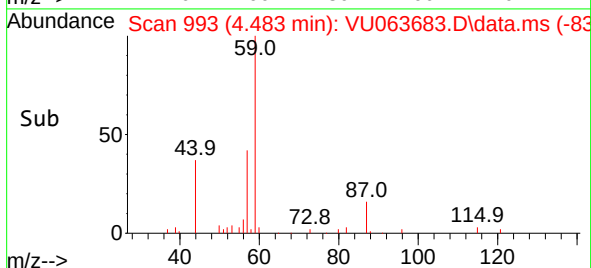
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

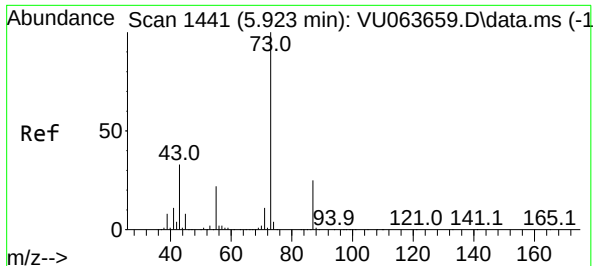


#32
Ethyl-t-butyl ether
Concen: 0.321 ug/l
RT: 4.483 min Scan# 993
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28



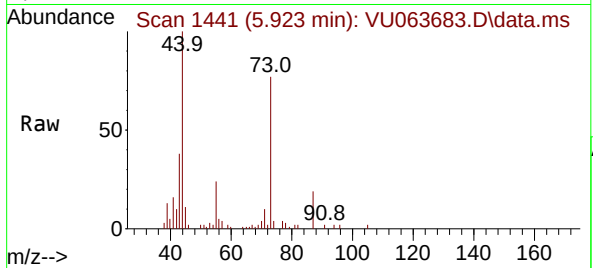
Tgt Ion: 59 Resp: 15779
Ion Ratio Lower Upper
59 100
87 41.5 33.0 49.6





#33
Tert-Amyl methyl ether
Concen: 0.344 ug/l
RT: 5.923 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

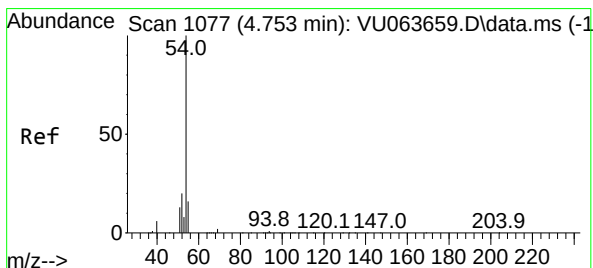
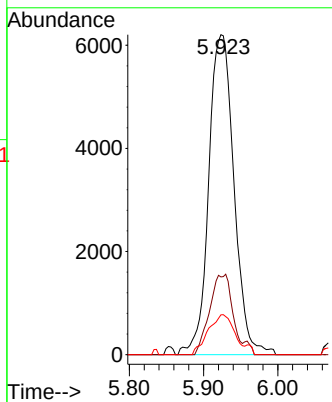
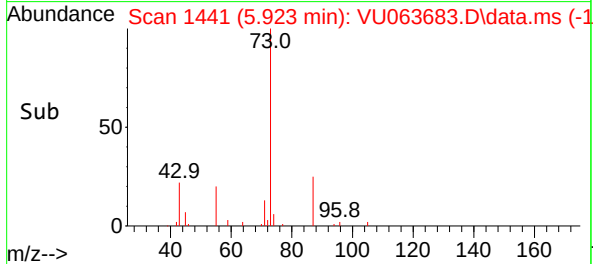
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion: 73 Resp: 14690
Ion Ratio Lower Upper
73 100
87 19.7 20.0 30.0#
71 10.5 9.0 13.4

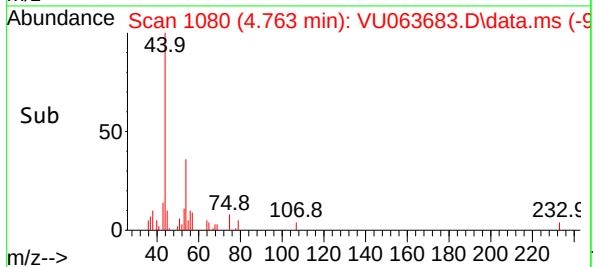
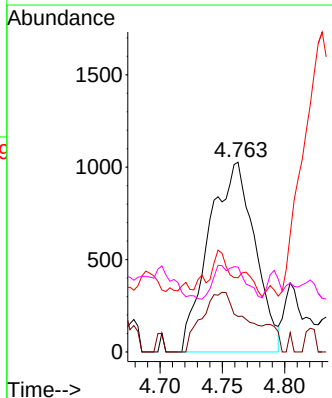
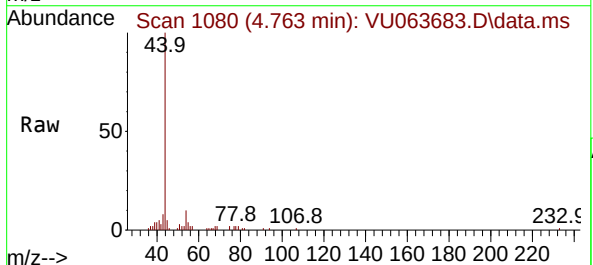
Manual Integrations
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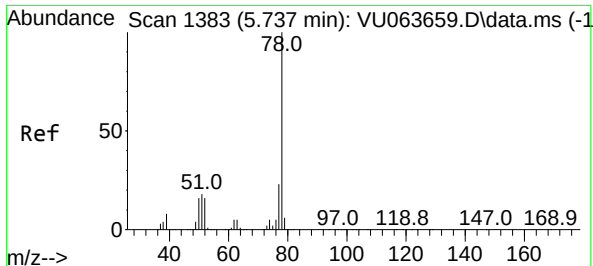
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#34
Propionitrile
Concen: 1.972 ug/l
RT: 4.763 min Scan# 1080
Delta R.T. 0.009 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

Tgt Ion: 54 Resp: 2630
Ion Ratio Lower Upper
54 100
52 29.1 15.8 23.6#
55 8.3 11.3 16.9#
40 5.2 6.2 9.4#





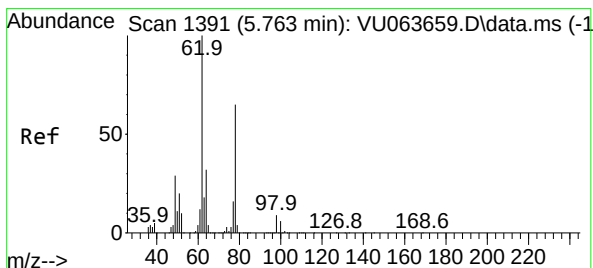
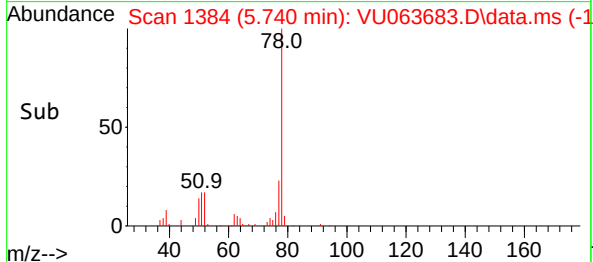
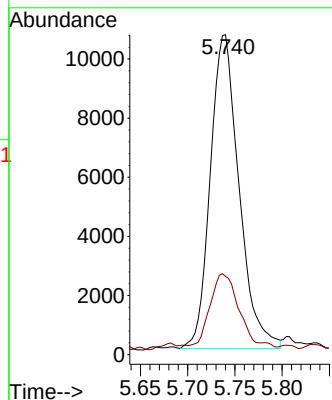
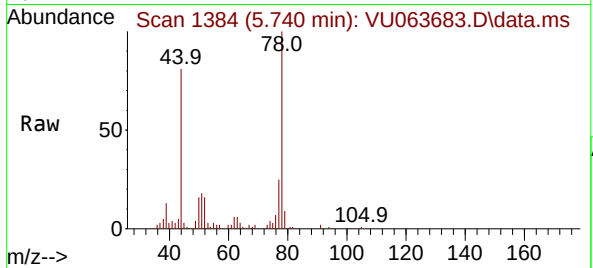
#35
Benzene
Concen: 0.327 ug/l
RT: 5.740 min Scan# 1383
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

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

Tgt Ion: 78 Resp: 2247
Ion Ratio Lower Upper
78 100
77 22.3 18.3 27.5

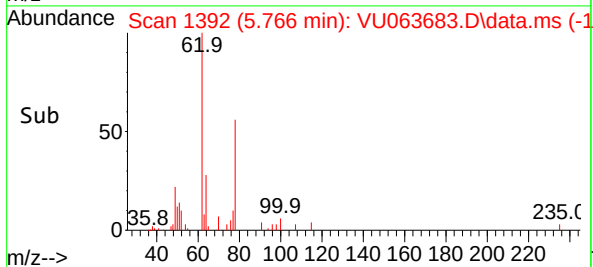
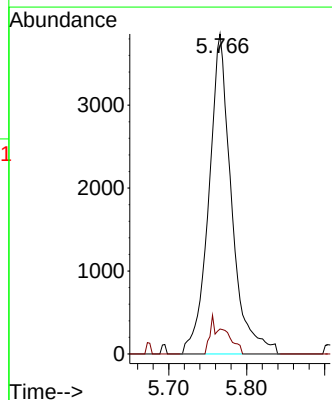
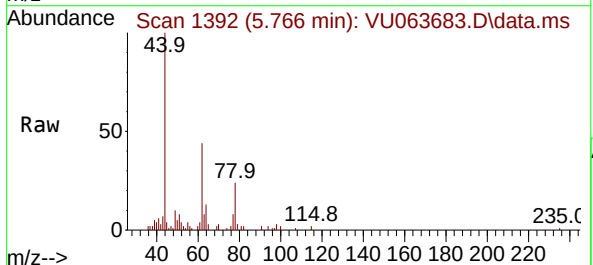
Manual Integrations
APPROVED

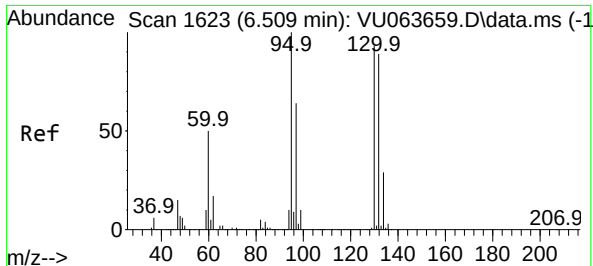
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#36
1,2-Dichloroethane
Concen: 0.353 ug/l
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

Tgt Ion: 62 Resp: 7787
Ion Ratio Lower Upper
62 100
98 3.3 6.8 10.2#





#37

Trichloroethene

Concen: 0.331 ug/l

RT: 6.512 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion:130 Resp: 647

Ion Ratio Lower Upper

130 100

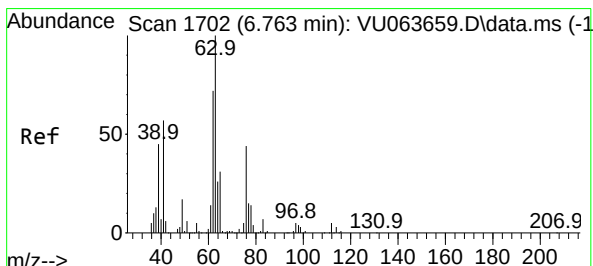
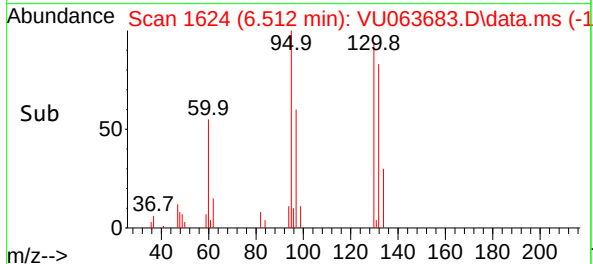
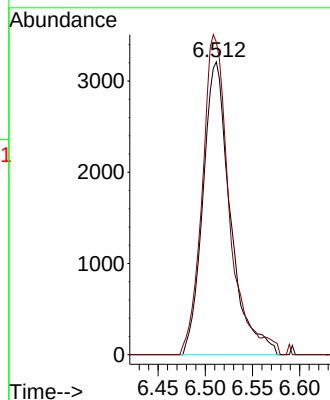
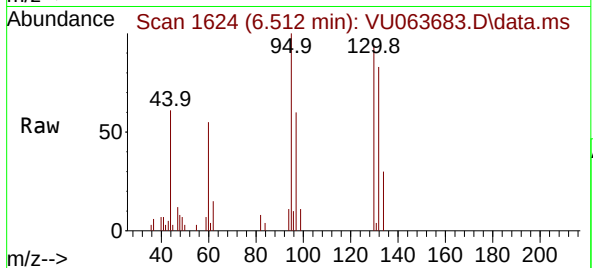
95 106.7 86.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#38

1,2-Dichloropropane

Concen: 0.289 ug/l

RT: 6.766 min Scan# 1703

Delta R.T. 0.003 min

Lab File: VU063683.D

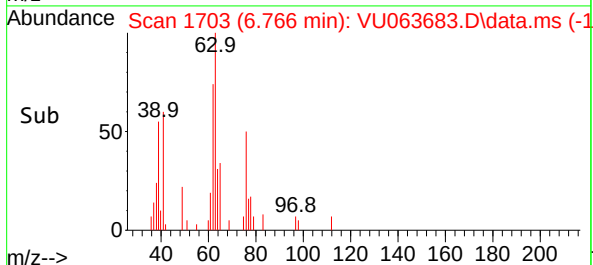
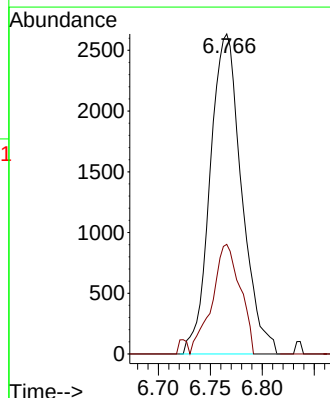
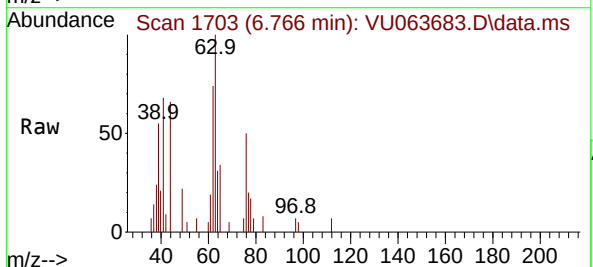
Acq: 07 Nov 2025 13:28

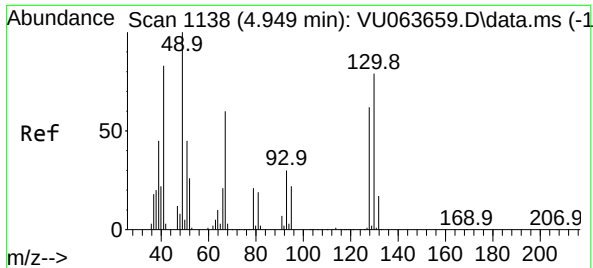
Tgt Ion: 63 Resp: 5553

Ion Ratio Lower Upper

63 100

65 34.2 24.5 36.7





#39

Methacrylonitrile

Concen: 0.503 ug/l m

RT: 4.946 min Scan# 1138

Delta R.T. -0.003 min

Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 41 Resp: 333

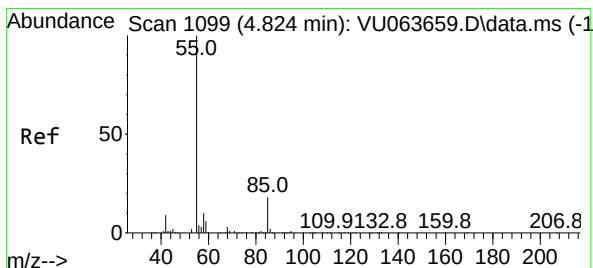
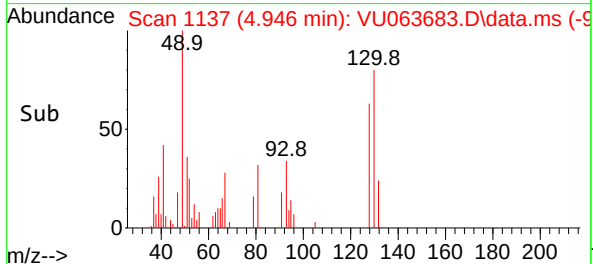
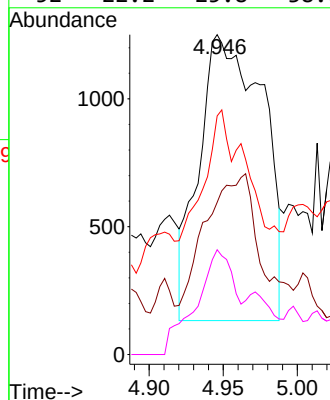
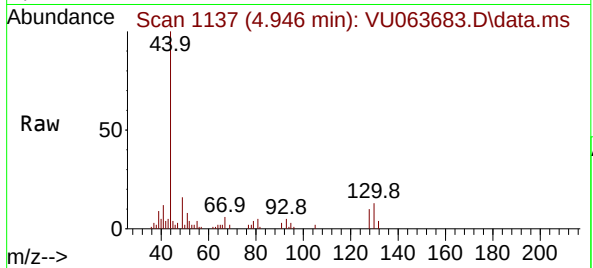
Ion	Ratio	Lower	Upper
41	100		
67	37.6	61.4	92.2
39	17.3	46.5	69.7
52	22.2	25.8	38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#40

Methyl acrylate

Concen: 0.341 ug/l

RT: 4.830 min Scan# 1101

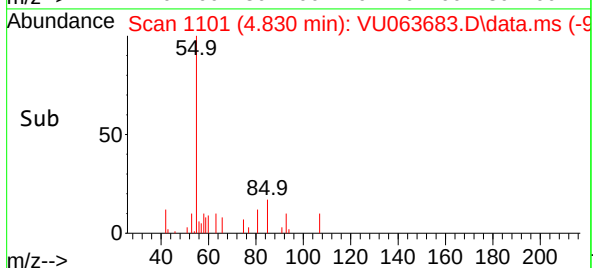
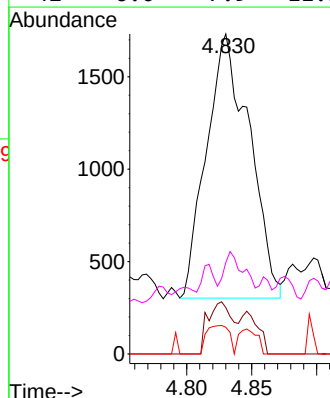
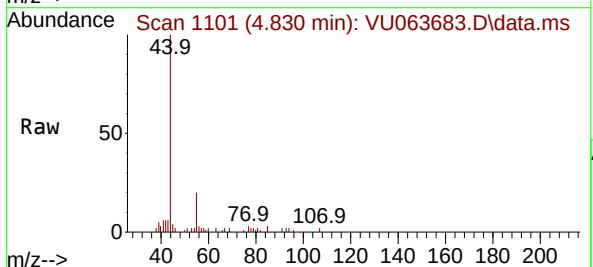
Delta R.T. 0.006 min

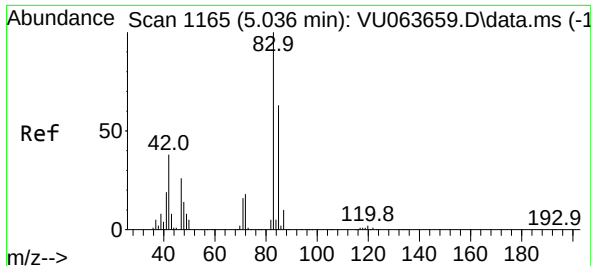
Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

Tgt Ion: 55 Resp: 3286

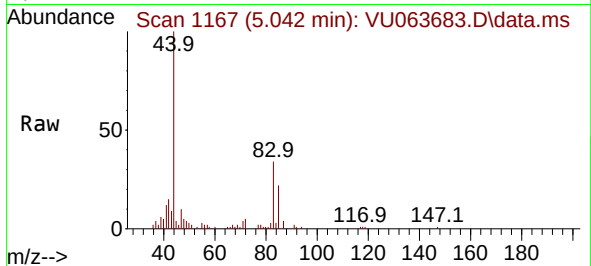
Ion	Ratio	Lower	Upper
55	100		
85	11.6	15.3	22.9
58	5.7	7.7	11.5
42	6.0	7.9	11.9





#41
Tetrahydrofuran
Concen: 0.870 ug/l
RT: 5.042 min Scan# 1165
Delta R.T. 0.006 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

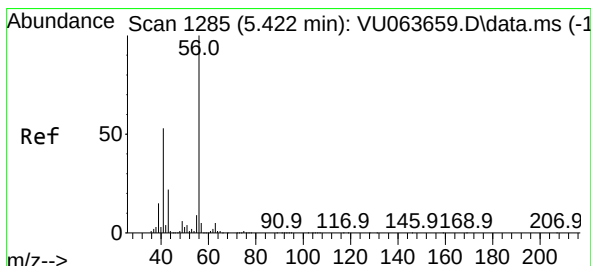
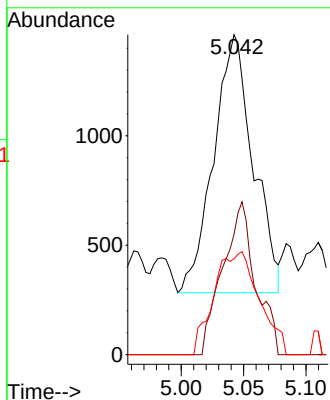
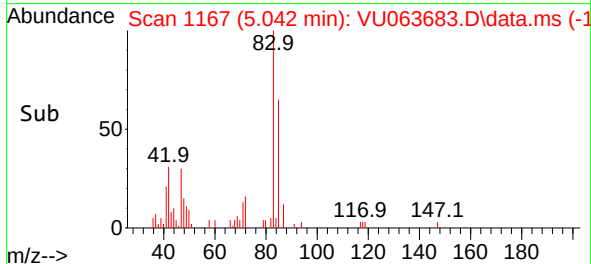
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



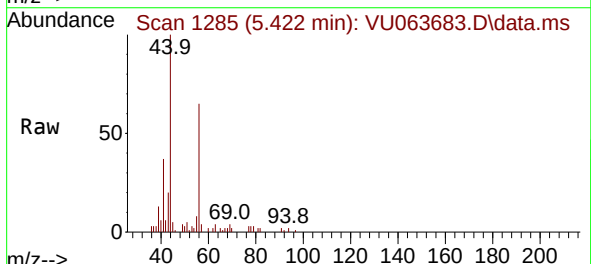
Tgt Ion: 42 Resp: 259
Ion Ratio Lower Upper
42 100
72 49.1 40.5 60.7
71 45.8 35.0 52.6

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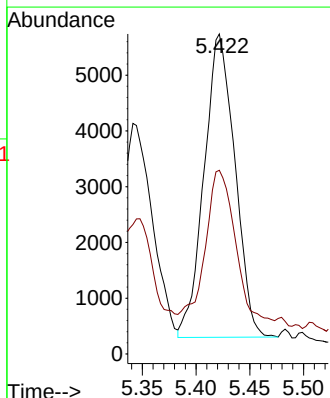
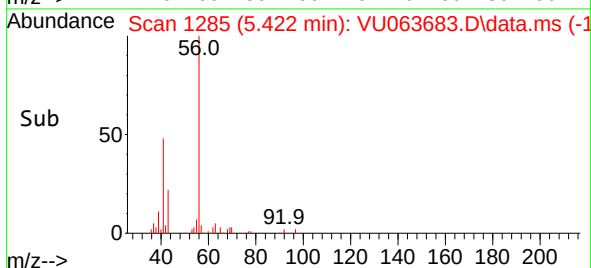
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

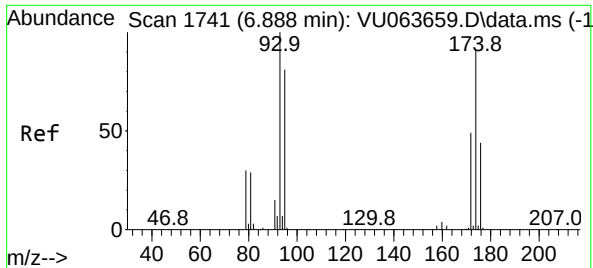


#42
1-Chlorobutane
Concen: 0.332 ug/l
RT: 5.422 min Scan# 1285
Delta R.T. -0.000 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28



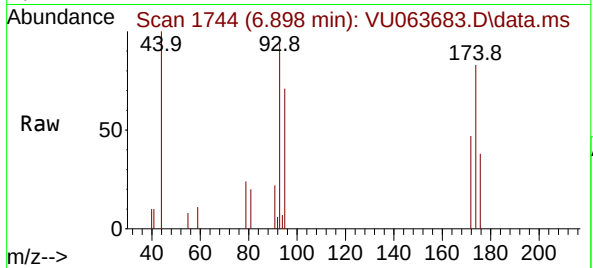
Tgt Ion: 56 Resp: 10840
Ion Ratio Lower Upper
56 100
41 47.2 25.9 77.6





#43
Dibromomethane
Concen: 0.313 ug/l
RT: 6.898 min Scan# 1741
Delta R.T. 0.009 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

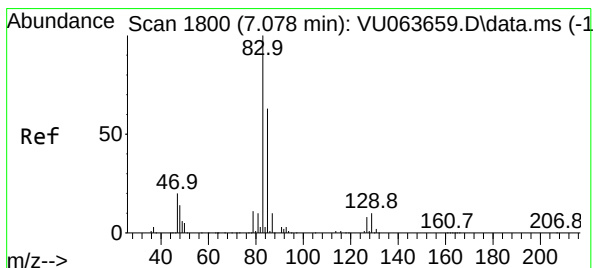
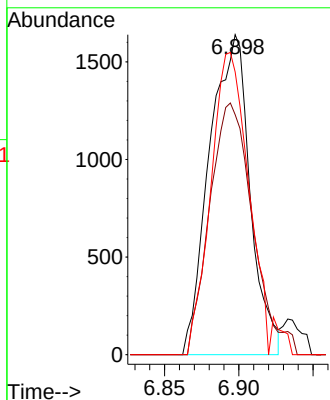
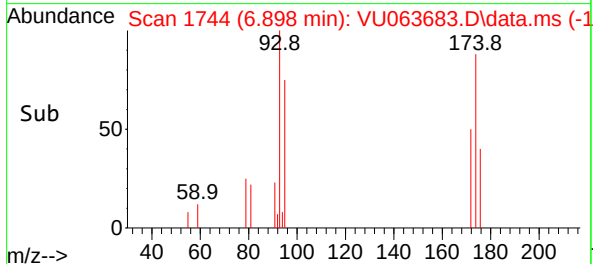
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



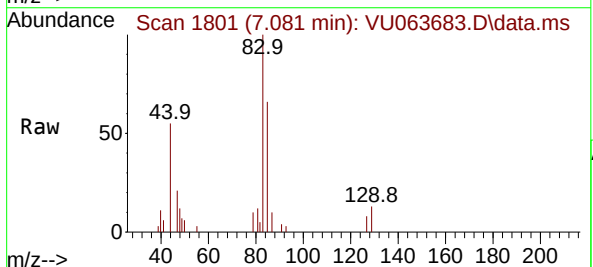
Tgt Ion: 93 Resp: 3108
Ion Ratio Lower Upper
93 100
95 83.7 64.6 97.0
174 89.4 73.8 110.8

Manual Integrations
APPROVED

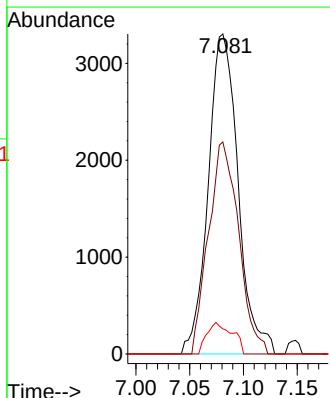
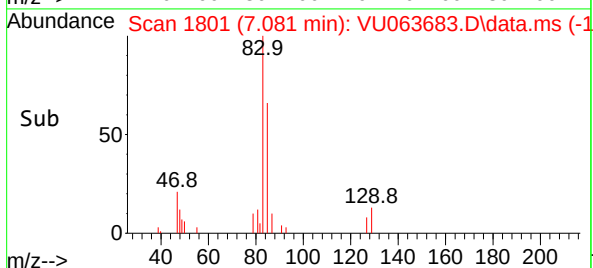
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

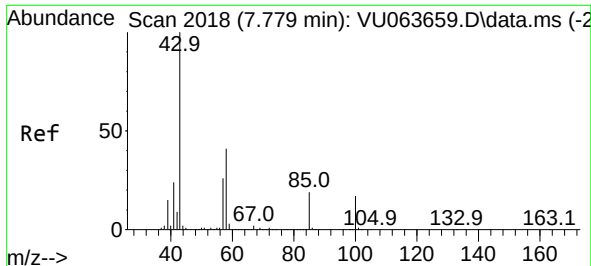


#44
Bromodichloromethane
Concen: 0.263 ug/l
RT: 7.081 min Scan# 1801
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28



Tgt Ion: 83 Resp: 6387
Ion Ratio Lower Upper
83 100
85 66.3 50.5 75.7
127 7.8 6.4 9.6





#45

4-Methyl-2-Pentanone

Concen: 1.480 ug/l

RT: 7.785 min Scan# 2018

Delta R.T. 0.006 min

Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

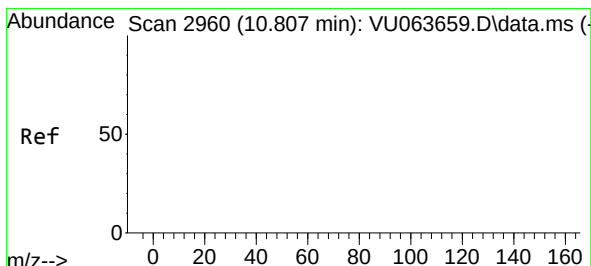
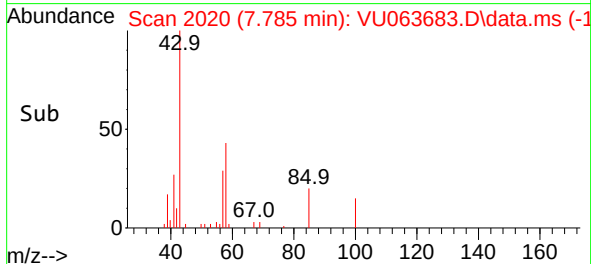
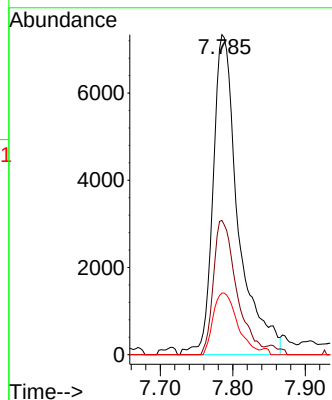
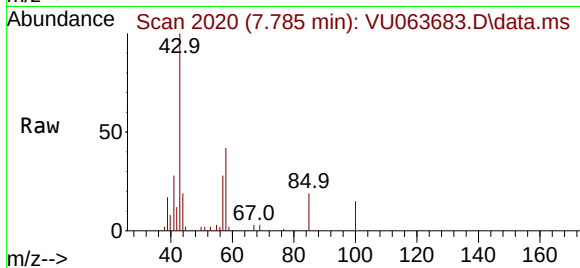
MDL-WATER-03-QT4-2025

Tgt Ion:	43	Resp:	1774
Ion	Ratio	Lower	Upper
43	100		
58	38.5	20.2	60.5
85	18.5	15.0	22.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#46

t-1,4-Dichloro-2-butene

Concen: 0.522 ug/l m

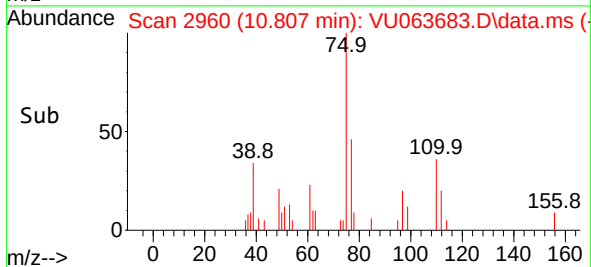
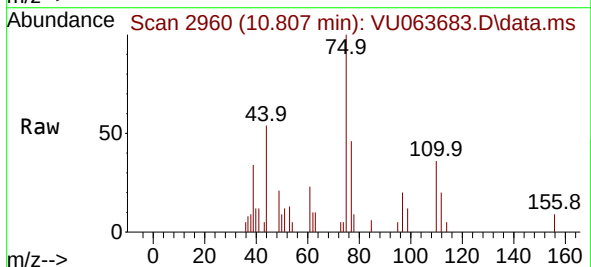
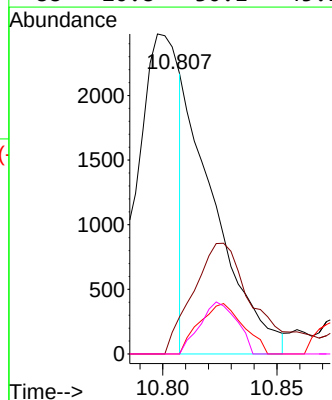
RT: 10.807 min Scan# 2960

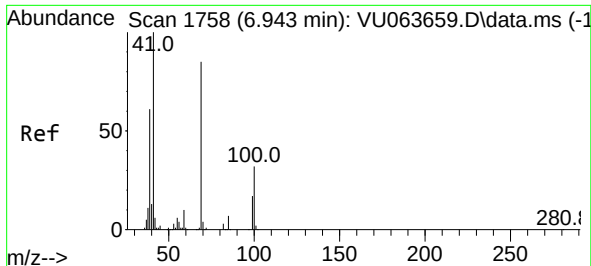
Delta R.T. -0.000 min

Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

Tgt Ion:	75	Resp:	2170
Ion	Ratio	Lower	Upper
75	100		
53	75.1	57.2	85.8
89	24.1	37.9	56.9#
88	20.8	30.1	45.1#





#47

Methyl methacrylate

Concen: 0.613 ug/l

RT: 6.955 min Scan# 1762

Delta R.T. 0.013 min

Lab File: VU063683.D

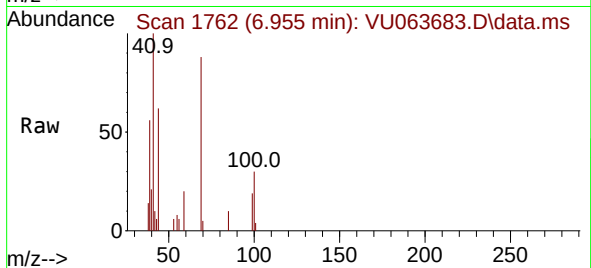
Acq: 07 Nov 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025



Tgt Ion: 69 Resp: 560

Ion Ratio Lower Upper

69 100

41 96.7 0.0 228.2

39 63.1 56.2 84.4

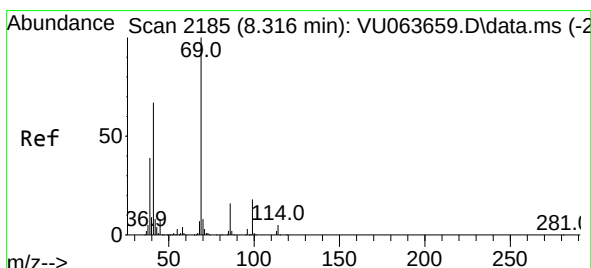
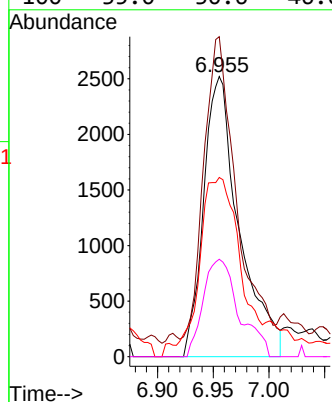
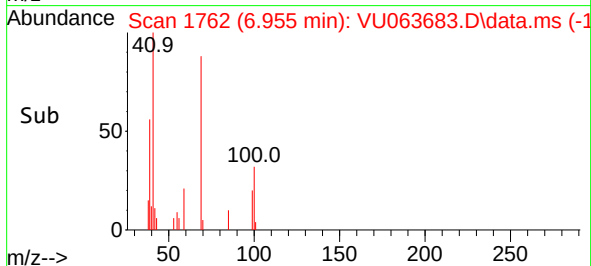
100 35.0 30.6 46.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#48

Ethyl methacrylate

Concen: 0.281 ug/l

RT: 8.325 min Scan# 2188

Delta R.T. 0.009 min

Lab File: VU063683.D

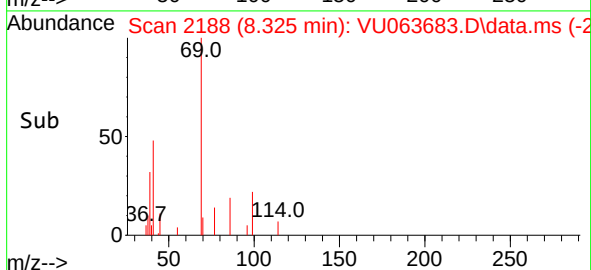
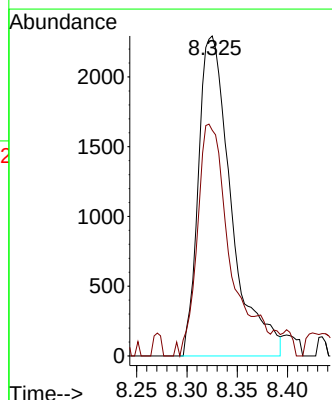
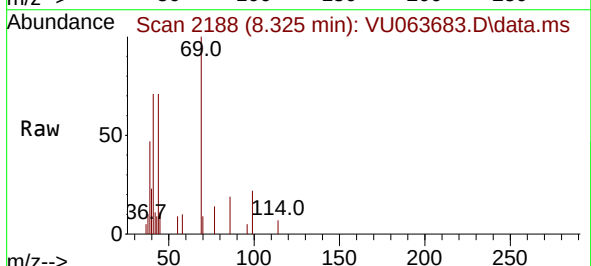
Acq: 07 Nov 2025 13:28

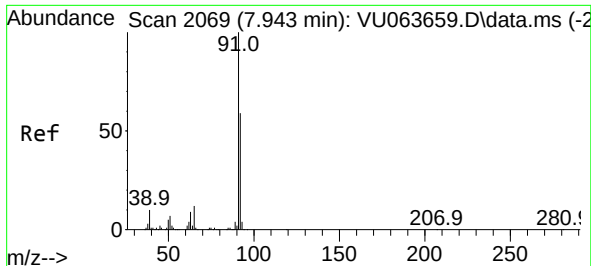
Tgt Ion: 69 Resp: 5221

Ion Ratio Lower Upper

69 100

41 72.5 32.8 98.3





#49

Toluene

Concen: 0.299 ug/l

RT: 7.946 min Scan# 2069

Delta R.T. 0.003 min

Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 92 Resp: 1382

Ion Ratio Lower Upper

92 100

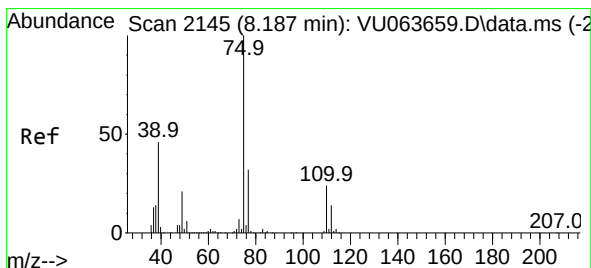
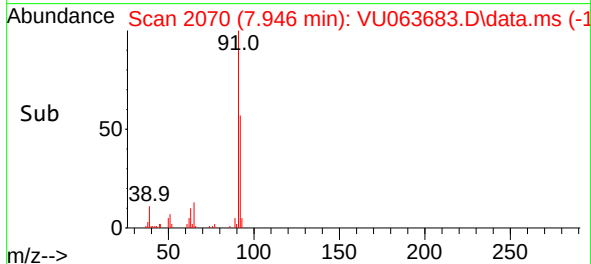
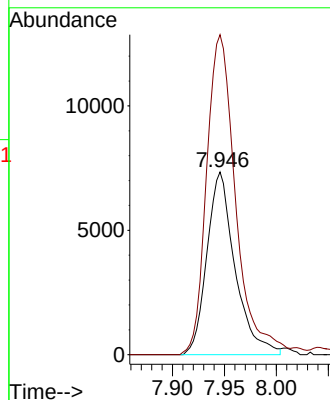
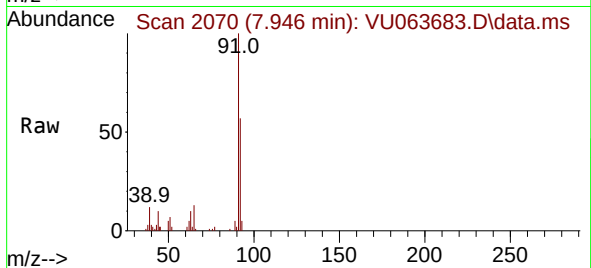
91 180.8 136.8 205.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#50

t-1,3-Dichloropropene

Concen: 0.249 ug/l

RT: 8.193 min Scan# 2147

Delta R.T. 0.006 min

Lab File: VU063683.D

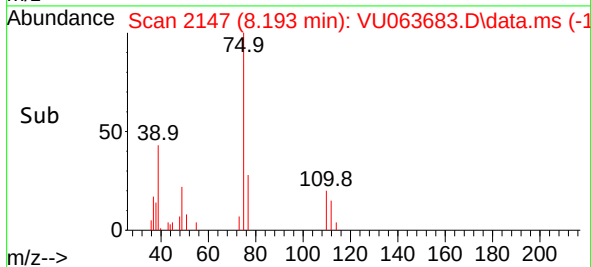
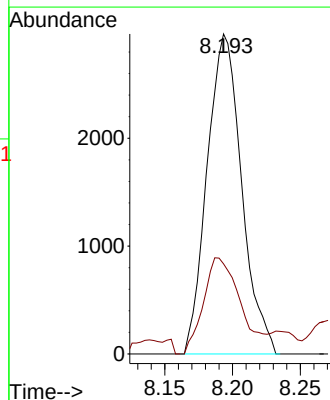
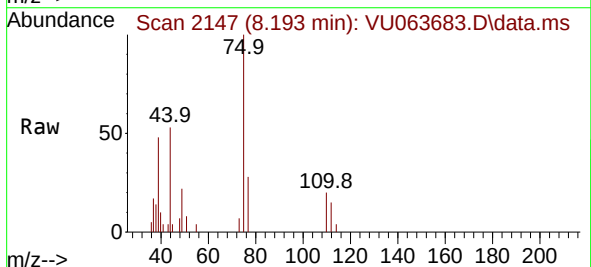
Acq: 07 Nov 2025 13:28

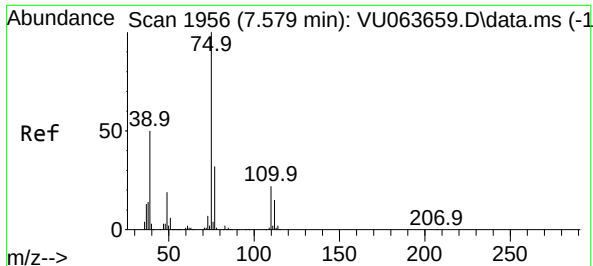
Tgt Ion: 75 Resp: 5254

Ion Ratio Lower Upper

75 100

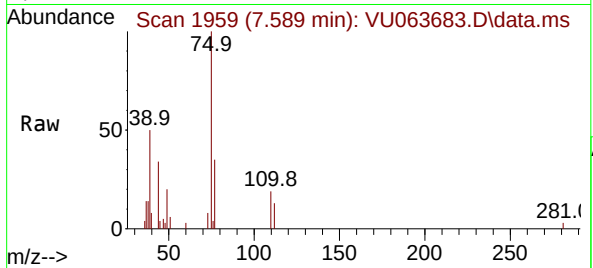
77 28.1 25.8 38.6





#51
 cis-1,3-Dichloropropene
 Concen: 0.266 ug/l
 RT: 7.589 min Scan# 1956
 Delta R.T. 0.009 min
 Lab File: VU063683.D
 Acq: 07 Nov 2025 13:28

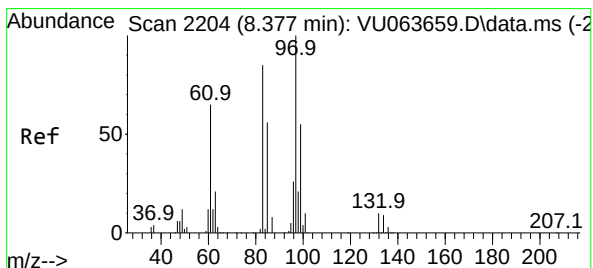
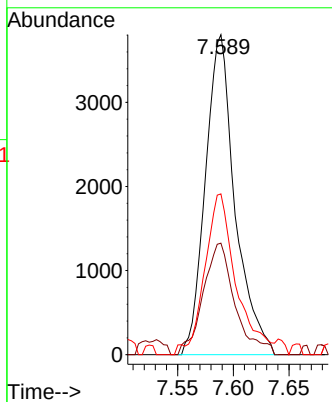
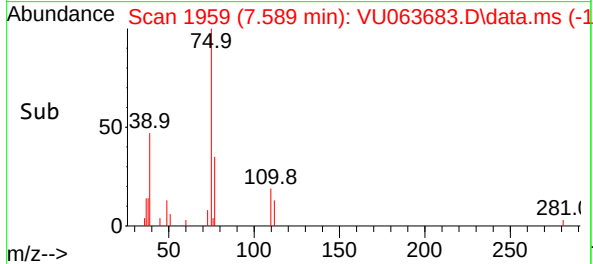
Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion: 75 Resp: 7039
 Ion Ratio Lower Upper
 75 100
 77 34.9 25.5 38.3
 39 47.2 39.9 59.9

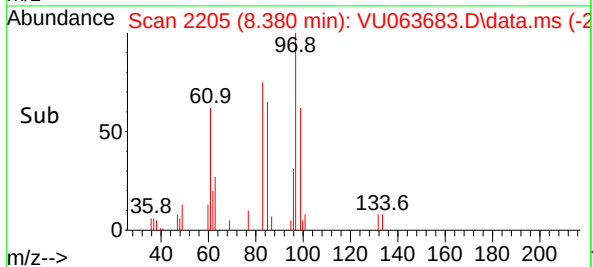
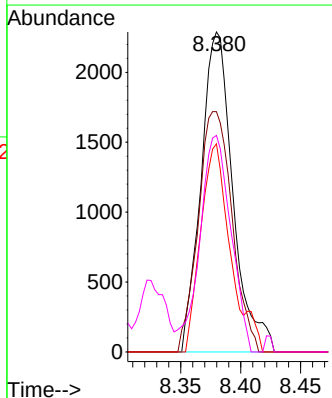
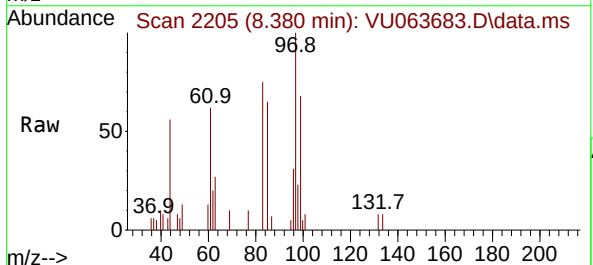
Manual Integrations
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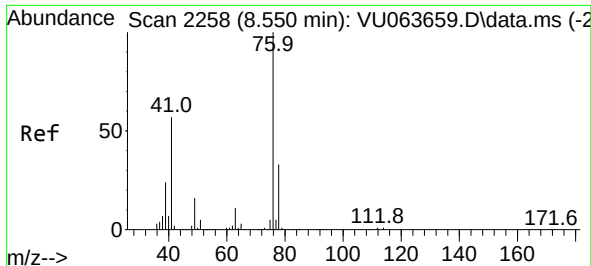
Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025



#52
 1,1,2-Trichloroethane
 Concen: 0.314 ug/l
 RT: 8.380 min Scan# 2205
 Delta R.T. 0.003 min
 Lab File: VU063683.D
 Acq: 07 Nov 2025 13:28

Tgt Ion: 97 Resp: 4239
 Ion Ratio Lower Upper
 97 100
 83 75.1 68.3 102.5
 85 65.1 45.3 67.9
 99 67.6 49.7 74.5





#53

1,3-Dichloropropane

Concen: 0.319 ug/l

RT: 8.553 min Scan# 2100

Delta R.T. 0.003 min

Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 76 Resp: 770

Ion Ratio Lower Upper

76 100

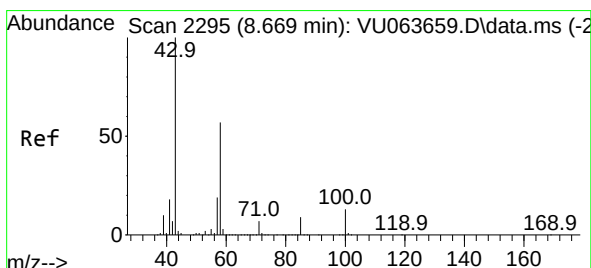
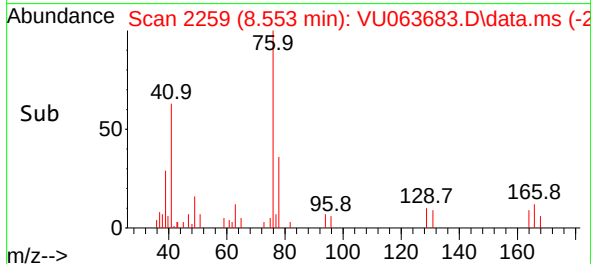
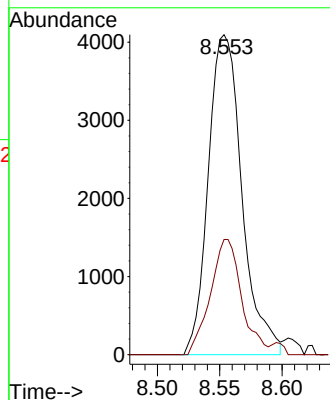
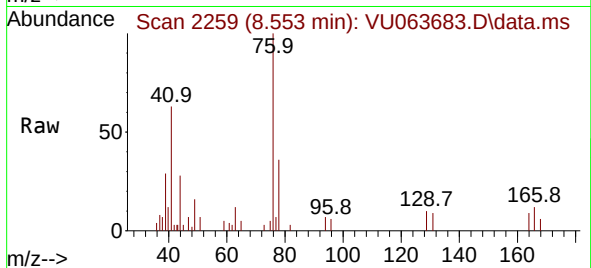
78 33.4 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#54

2-Hexanone

Concen: 1.298 ug/l

RT: 8.685 min Scan# 2300

Delta R.T. 0.016 min

Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

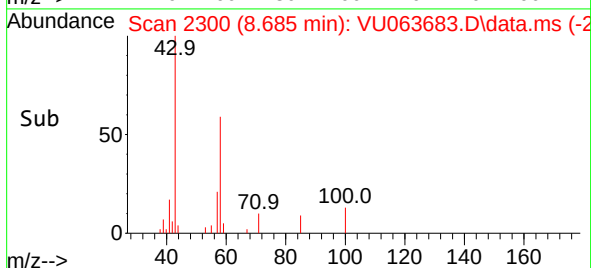
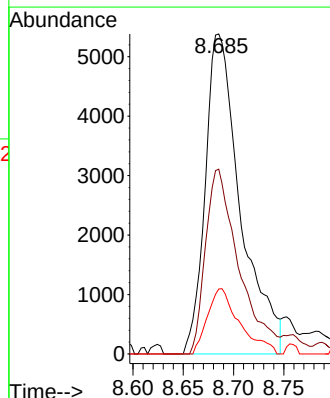
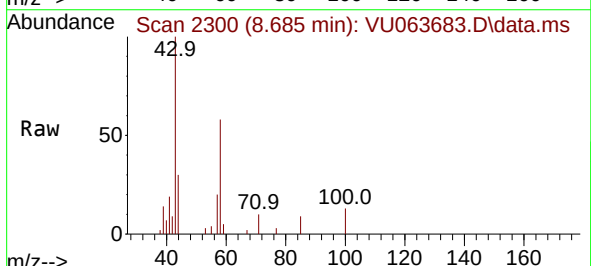
Tgt Ion: 43 Resp: 13137

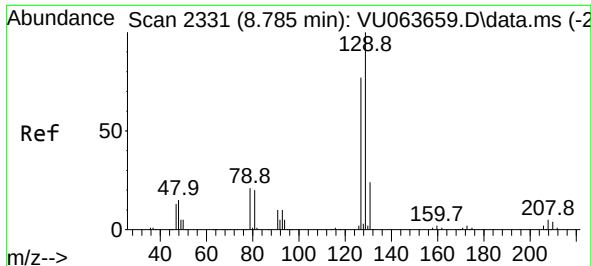
Ion Ratio Lower Upper

43 100

58 54.7 36.3 76.3

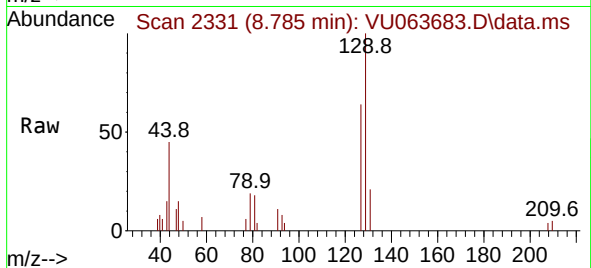
57 18.7 0.0 39.7





#55
Dibromochloromethane
Concen: 0.262 ug/l
RT: 8.785 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

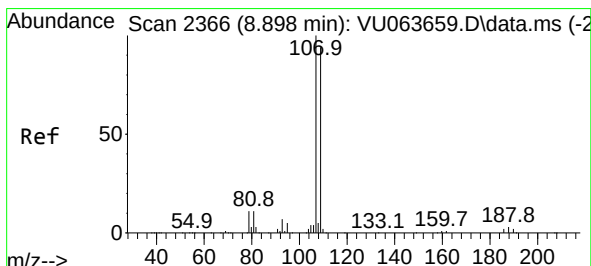
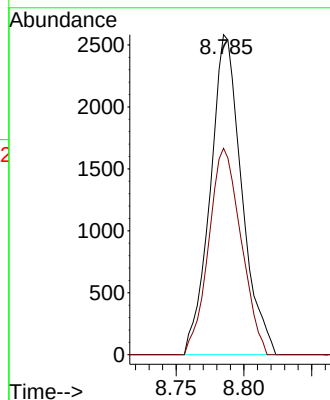
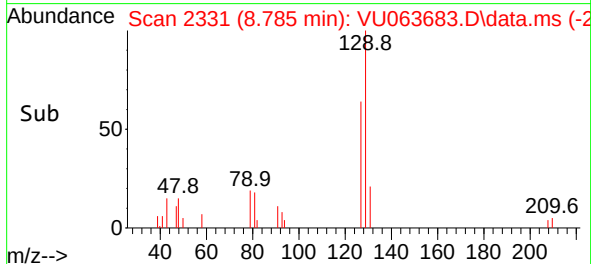
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



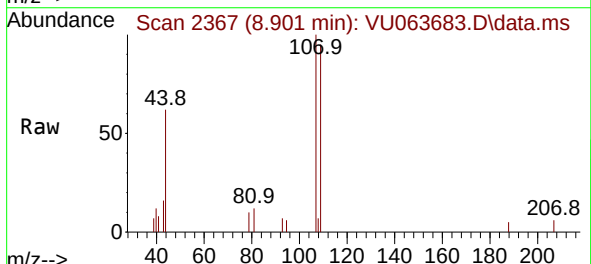
Tgt Ion:129 Resp: 4172
Ion Ratio Lower Upper
129 100
127 66.3 61.4 92.0

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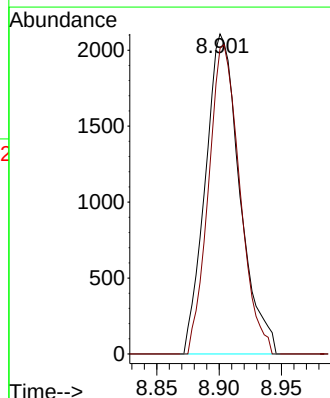
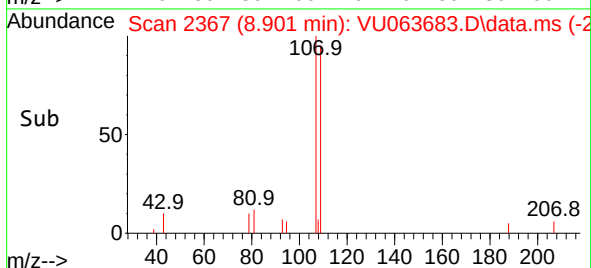
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

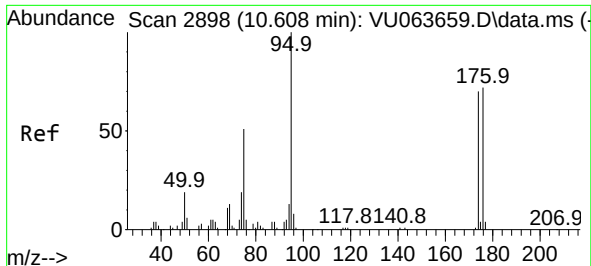


#56
1,2-Dibromoethane
Concen: 0.315 ug/l
RT: 8.901 min Scan# 2367
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28



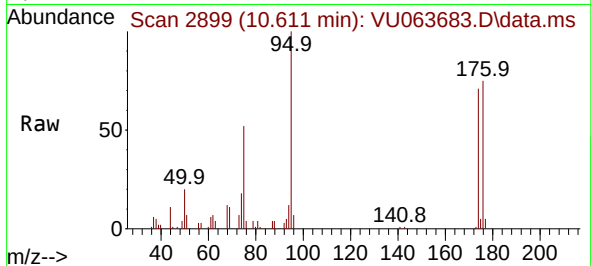
Tgt Ion:107 Resp: 4050
Ion Ratio Lower Upper
107 100
109 88.0 0.0 188.0





#57
4-Bromofluorobenzene
Concen: 0.909 ug/l
RT: 10.611 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

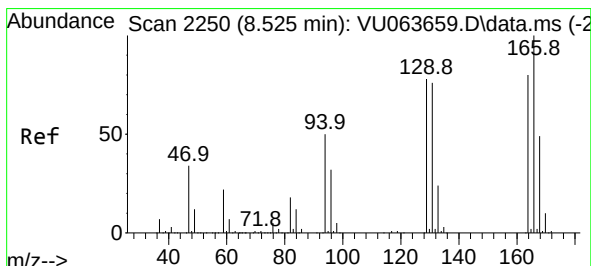
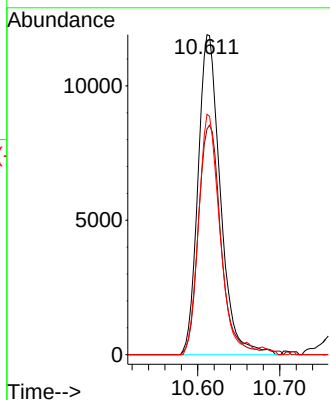
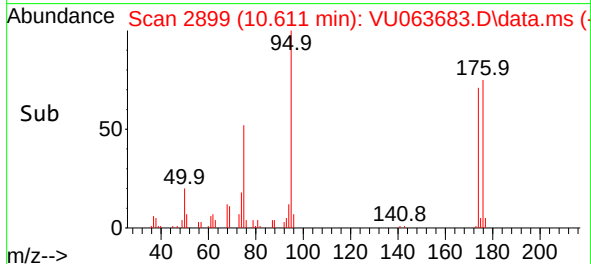
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 95 Resp: 2246
Ion Ratio Lower Upper
95 100
174 72.1 59.9 89.9
176 70.7 58.8 88.2

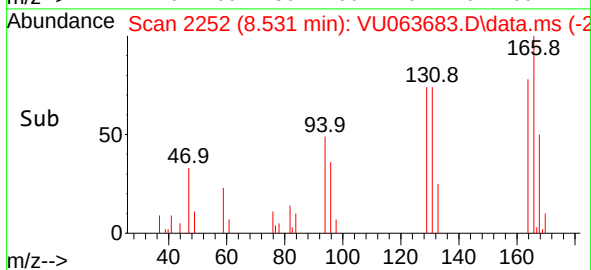
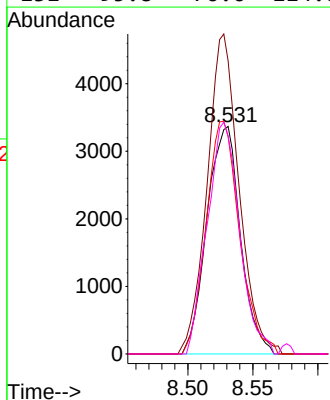
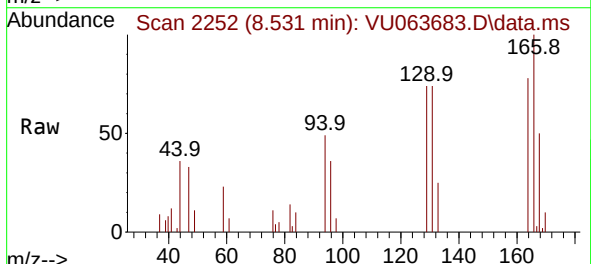
Manual Integrations
APPROVED

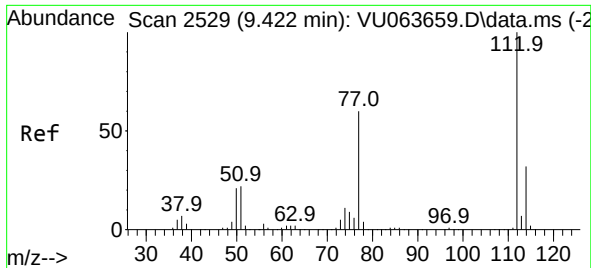
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#58
Tetrachloroethene
Concen: 0.315 ug/l
RT: 8.531 min Scan# 2252
Delta R.T. 0.006 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

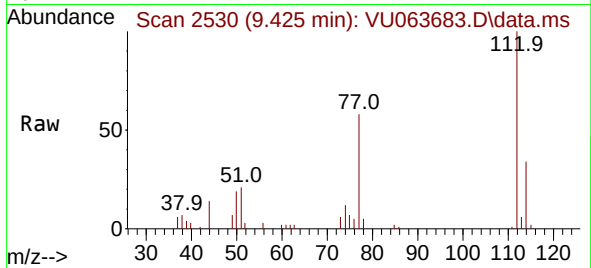
Tgt Ion:164 Resp: 6030
Ion Ratio Lower Upper
164 100
166 128.8 100.1 150.1
129 95.5 77.6 116.4
131 95.8 76.6 114.8





#59
Chlorobenzene
Concen: 0.322 ug/l
RT: 9.425 min Scan# 2530
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

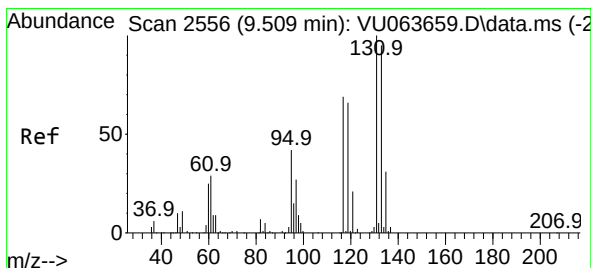
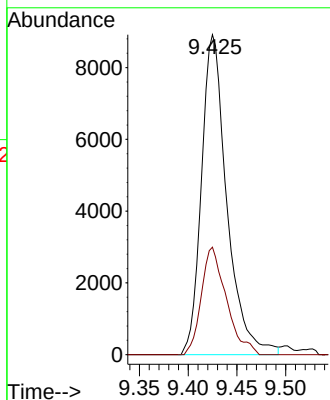
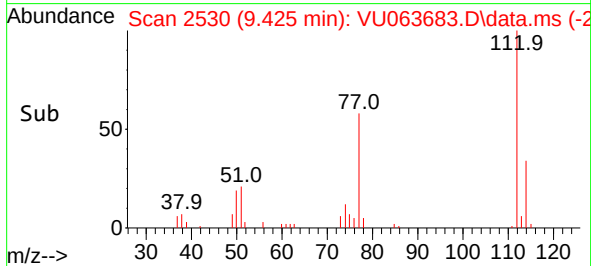
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:112 Resp: 1617
Ion Ratio Lower Upper
112 100
114 33.6 26.0 39.0

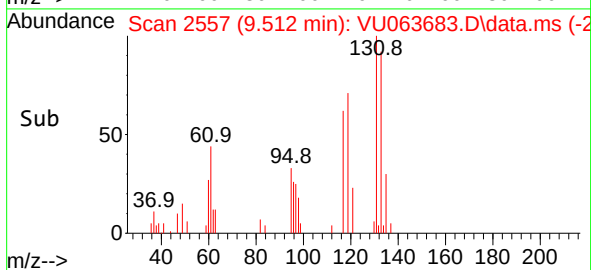
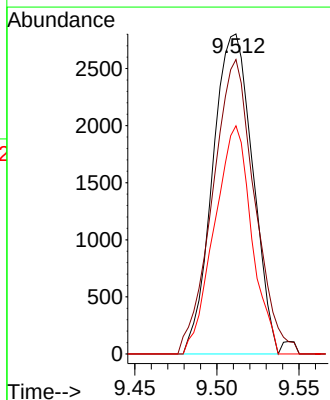
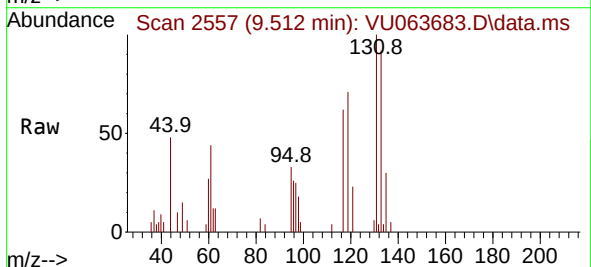
Manual Integrations
APPROVED

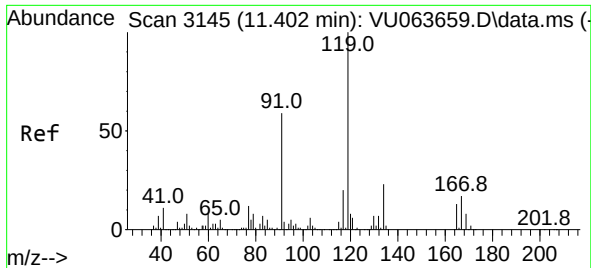
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#60
1,1,1,2-Tetrachloroethane
Concen: 0.270 ug/l
RT: 9.512 min Scan# 2557
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

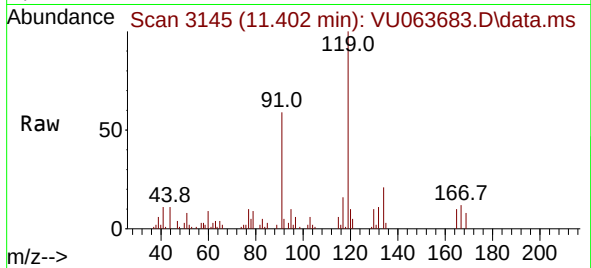
Tgt Ion:131 Resp: 4751
Ion Ratio Lower Upper
131 100
133 96.4 77.0 115.6
119 66.5 52.8 79.2





#61
Pentachloroethane
Concen: 0.251 ug/l
RT: 11.402 min Scan# 3145
Delta R.T. -0.000 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

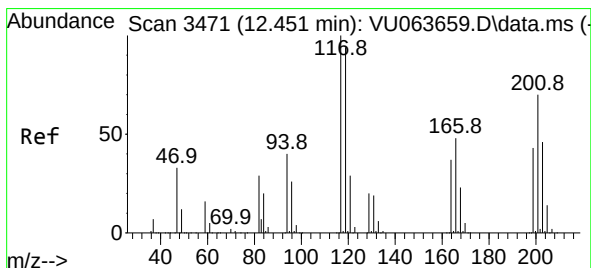
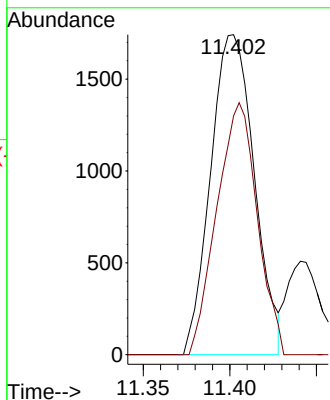
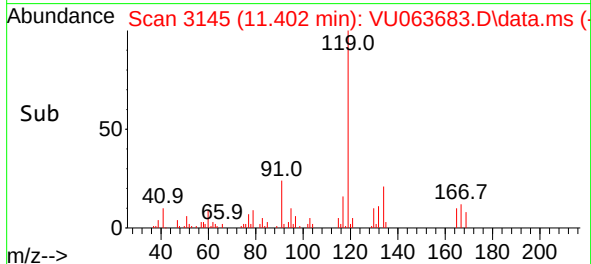
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



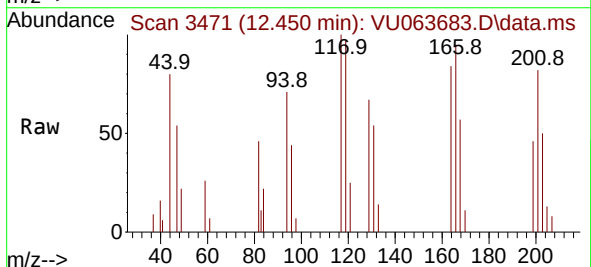
Tgt Ion:117 Resp: 3050
Ion Ratio Lower Upper
117 100
167 72.8 62.8 94.2

Manual Integrations
APPROVED

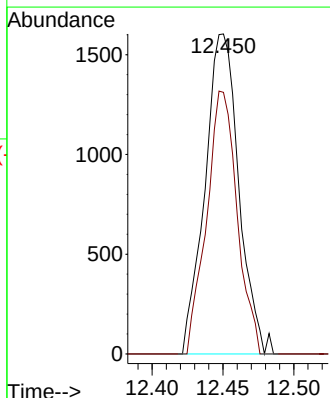
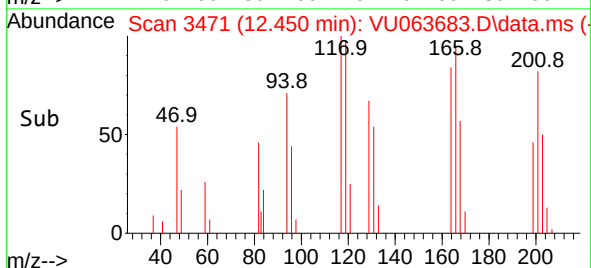
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

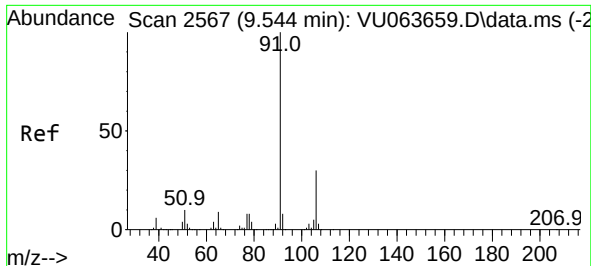


#62
Hexachloroethane
Concen: 0.200 ug/l
RT: 12.450 min Scan# 3471
Delta R.T. -0.000 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28



Tgt Ion:117 Resp: 2672
Ion Ratio Lower Upper
117 100
201 73.8 56.3 84.5





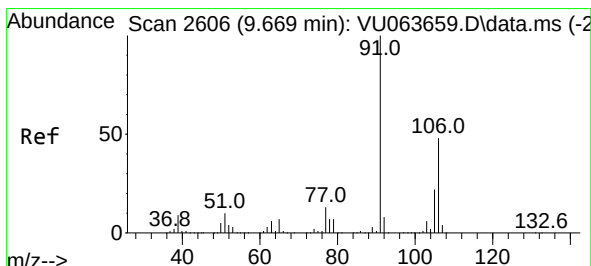
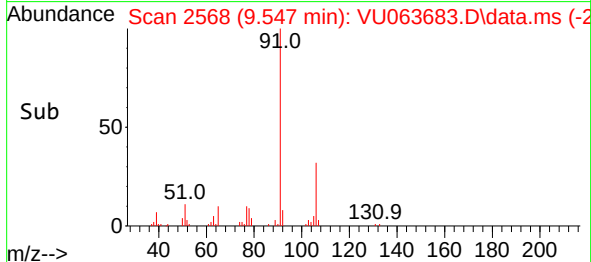
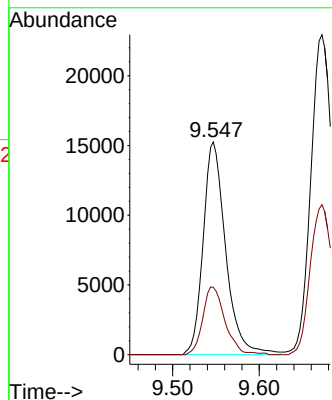
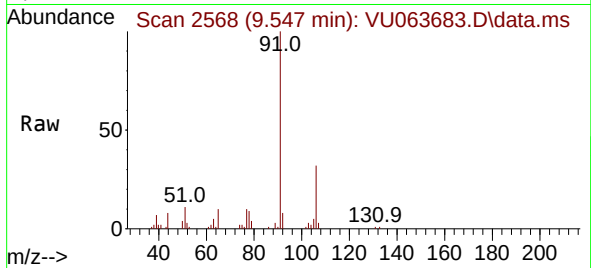
#63
Ethyl Benzene
Concen: 0.303 ug/l
RT: 9.547 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

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

Tgt Ion: 91 Resp: 2756
Ion Ratio Lower Upper
91 100
106 31.7 24.1 36.1

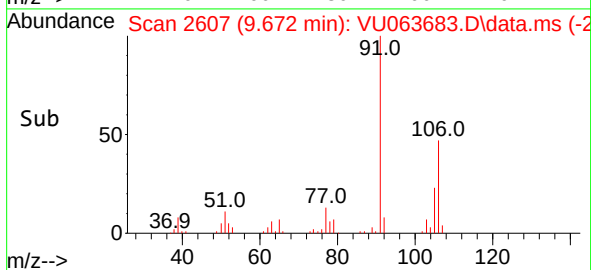
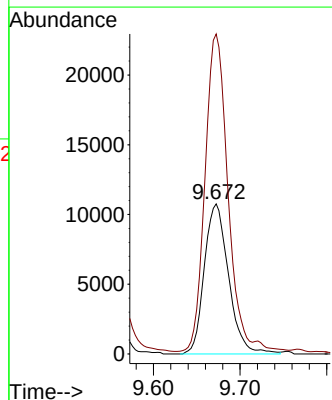
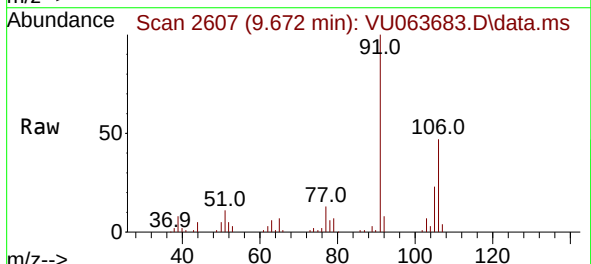
Manual Integrations
APPROVED

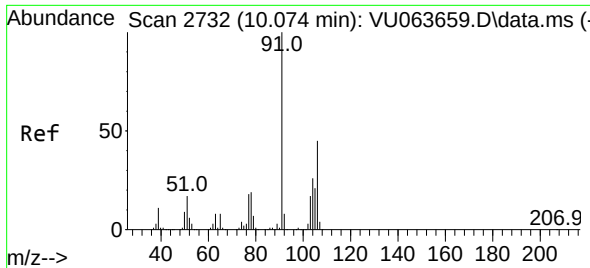
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#64
m/p-Xylenes
Concen: 0.617 ug/l
RT: 9.672 min Scan# 2607
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

Tgt Ion:106 Resp: 20950
Ion Ratio Lower Upper
106 100
91 196.0 167.0 250.4





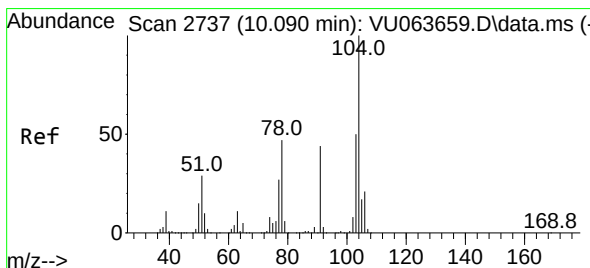
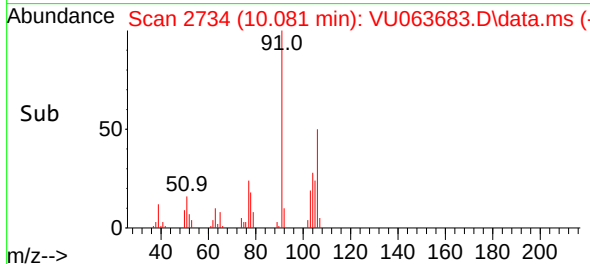
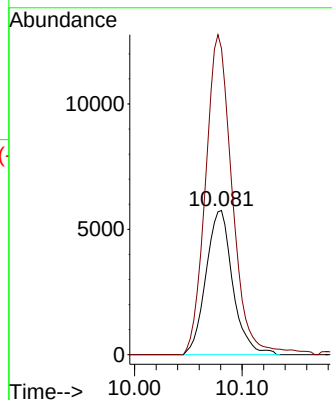
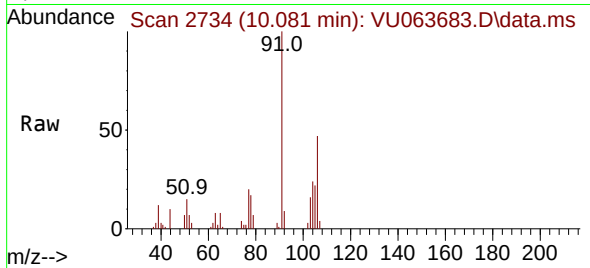
#65
o-Xylene
Concen: 0.299 ug/l
RT: 10.081 min Scan# 2733
Delta R.T. 0.006 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

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

Tgt Ion:106 Resp: 993
Ion Ratio Lower Upper
106 100
91 222.2 109.3 327.9

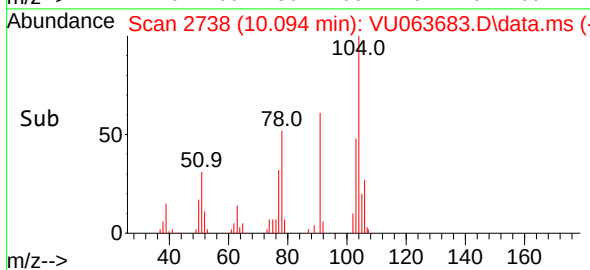
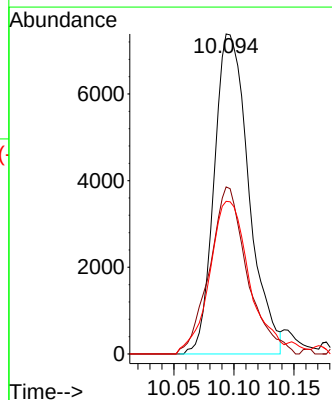
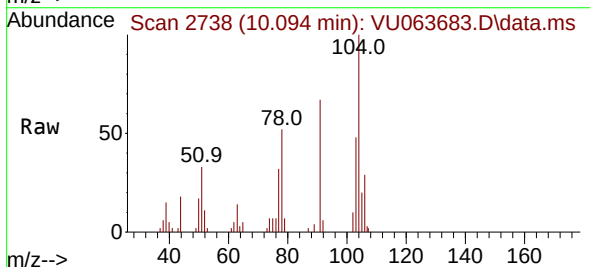
Manual Integrations
APPROVED

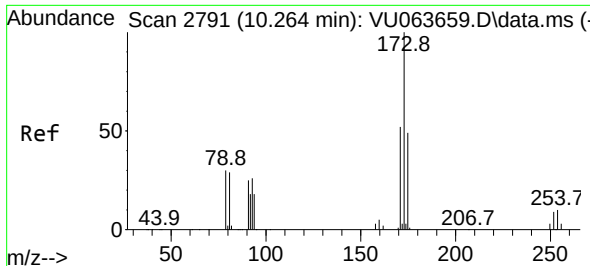
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#66
Styrene
Concen: 0.275 ug/l
RT: 10.094 min Scan# 2738
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

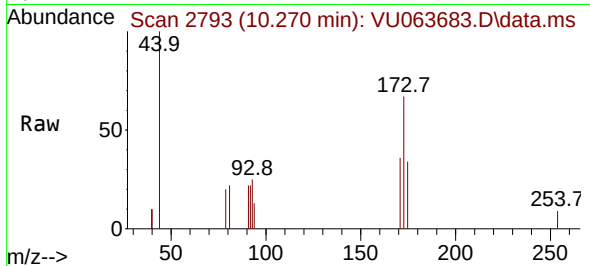
Tgt Ion:104 Resp: 14842
Ion Ratio Lower Upper
104 100
78 56.6 42.8 64.2
103 54.4 43.9 65.9





#67
Bromoform
Concen: 0.207 ug/l
RT: 10.270 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

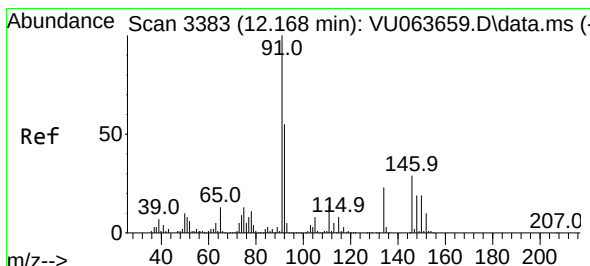
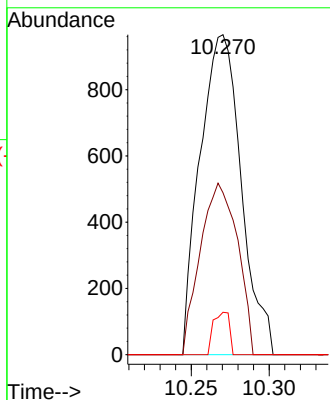
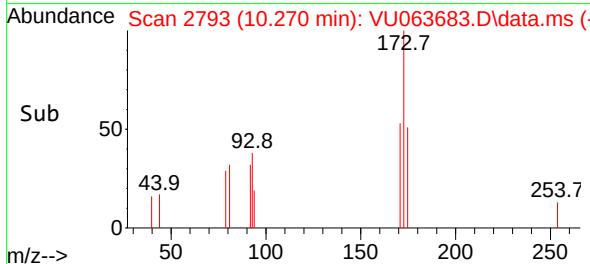
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:173 Resp: 1779
Ion Ratio Lower Upper
173 100
175 48.5 39.0 58.4
254 5.1 7.4 11.0

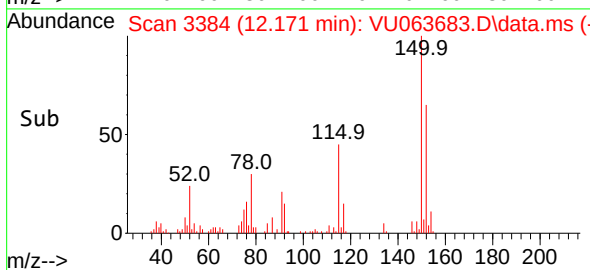
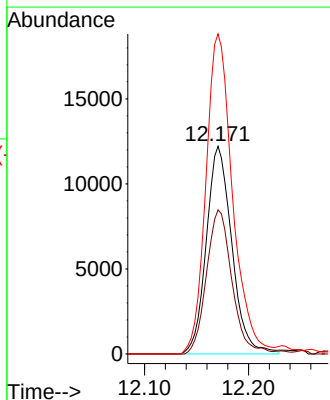
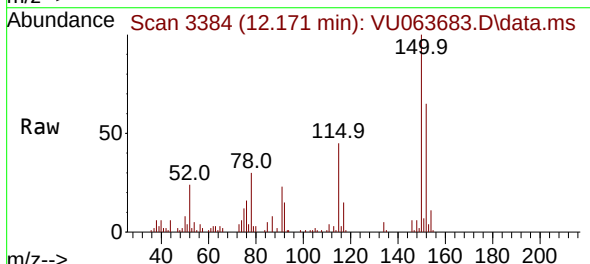
Manual Integrations
APPROVED

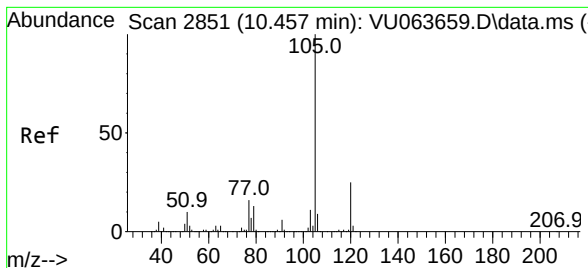
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#68
1,2-Dichlorobenzene-d4
Concen: 0.942 ug/l
RT: 12.171 min Scan# 3384
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

Tgt Ion:152 Resp: 20864
Ion Ratio Lower Upper
152 100
115 68.9 0.0 247.2
150 160.8 0.0 643.6





#69

Isopropylbenzene

Concen: 0.299 ug/l

RT: 10.460 min Scan# 2457

Delta R.T. 0.003 min

Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

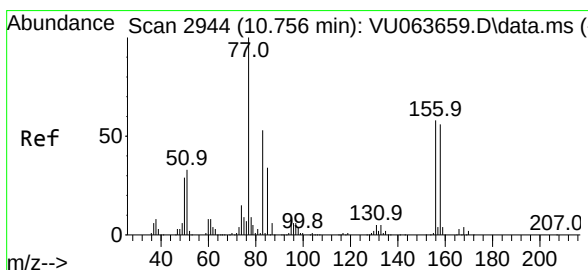
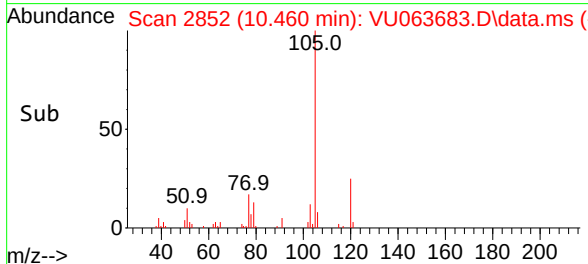
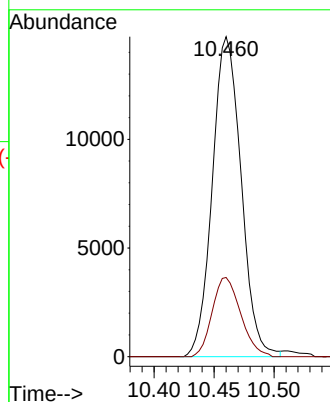
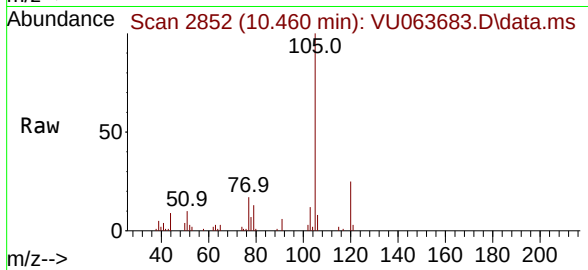
Tgt Ion:105 Resp: 2457
 Ion Ratio Lower Upper
 105 100
 120 24.5 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 0.297 ug/l

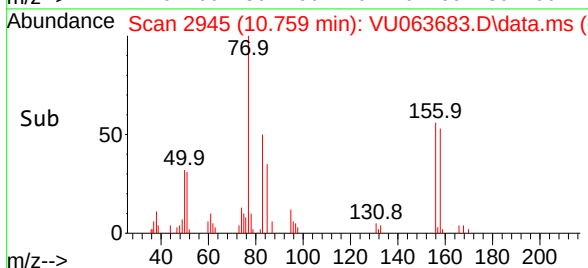
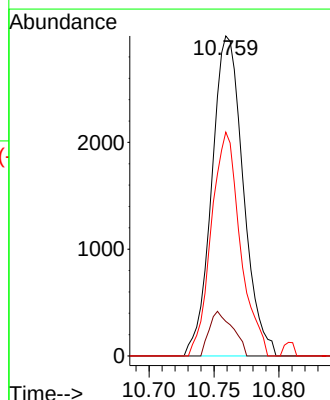
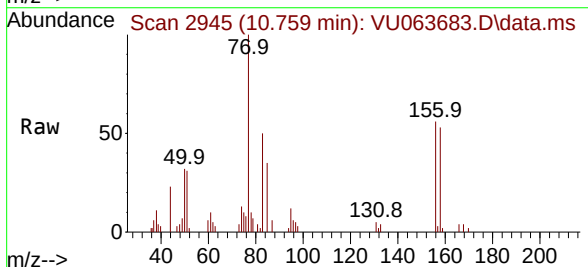
RT: 10.759 min Scan# 2945

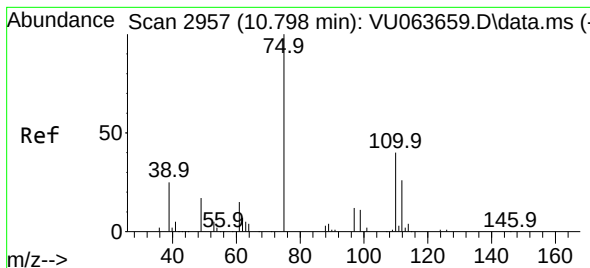
Delta R.T. 0.003 min

Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

Tgt Ion: 83 Resp: 5045
 Ion Ratio Lower Upper
 83 100
 131 10.4 8.1 12.1
 85 64.5 51.0 76.6





#71

1,2,3-Trichloropropane

Concen: 0.293 ug/l m

RT: 10.798 min Scan# 2957

Delta R.T. -0.000 min

Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

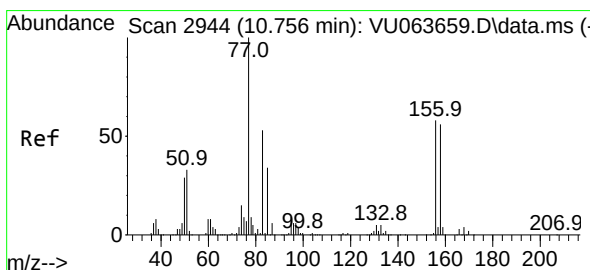
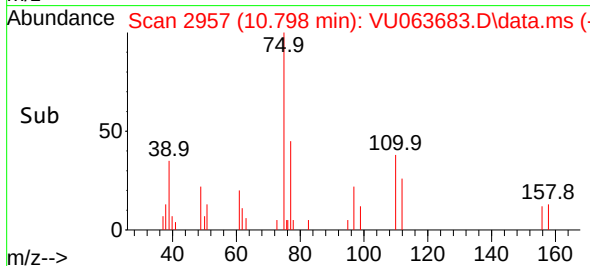
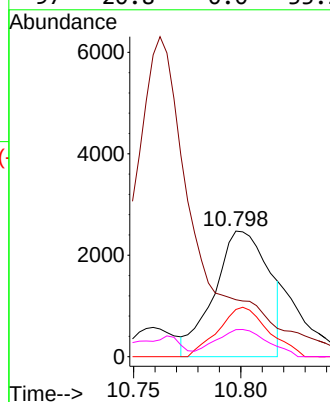
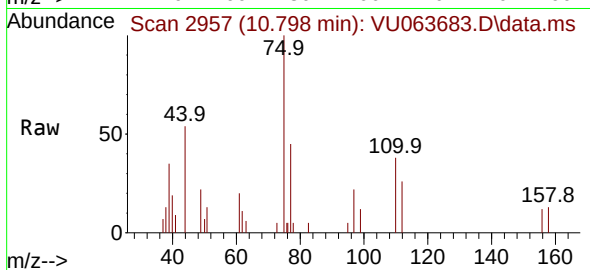
Tgt Ion:	75	Resp:	4334
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0
110	36.6	0.0	66.4
97	20.8	0.0	33.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#72

Bromobenzene

Concen: 0.331 ug/l

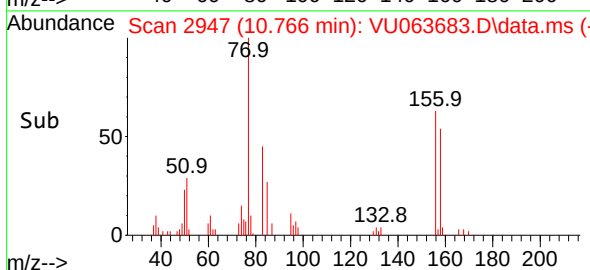
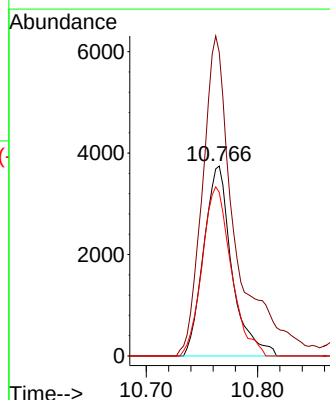
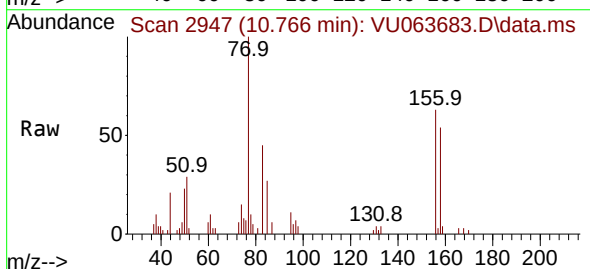
RT: 10.766 min Scan# 2947

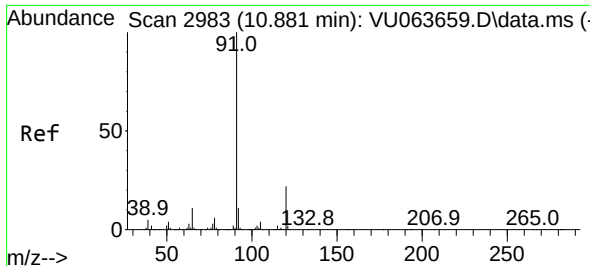
Delta R.T. 0.009 min

Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

Tgt Ion:	156	Resp:	6584
Ion Ratio	Lower	Upper	
156	100		
77	197.8	0.0	337.2
158	92.0	0.0	191.8





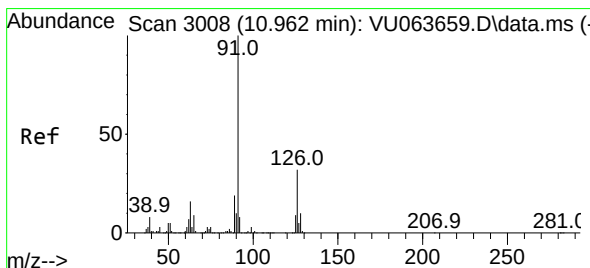
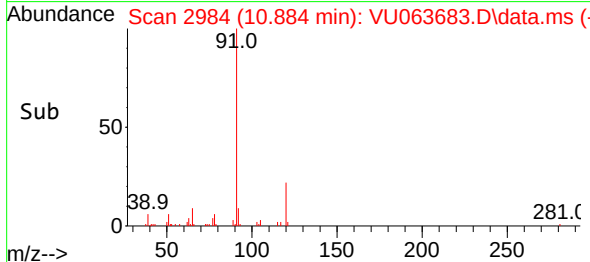
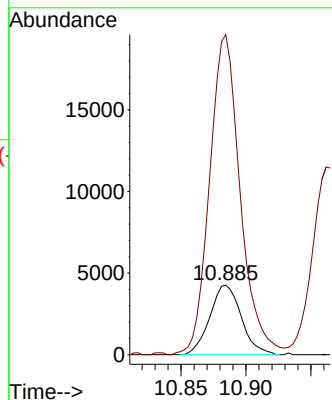
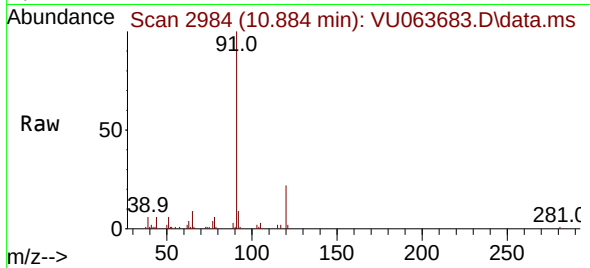
#73
n-propylbenzene
Concen: 0.307 ug/l
RT: 10.884 min Scan# 2983
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

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

Tgt Ion:120 Resp: 717
Ion Ratio Lower Upper
120 100
91 448.6 361.4 542.2

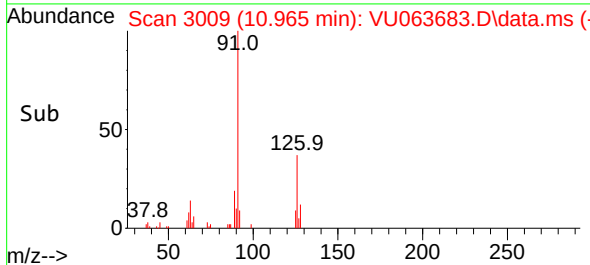
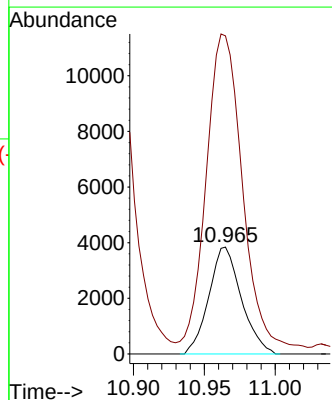
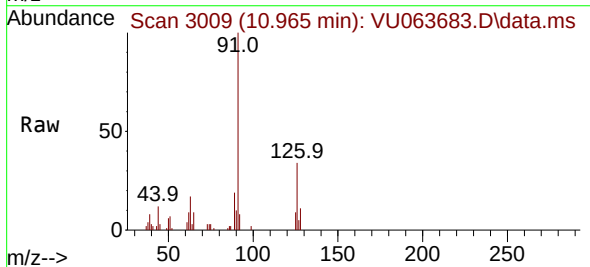
Manual Integrations
APPROVED

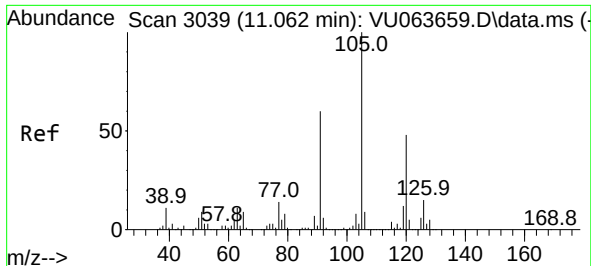
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#74
2-Chlorotoluene
Concen: 0.303 ug/l
RT: 10.965 min Scan# 3009
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

Tgt Ion:126 Resp: 6125
Ion Ratio Lower Upper
126 100
91 326.5 0.0 634.8





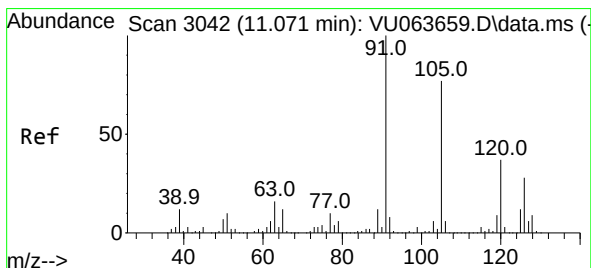
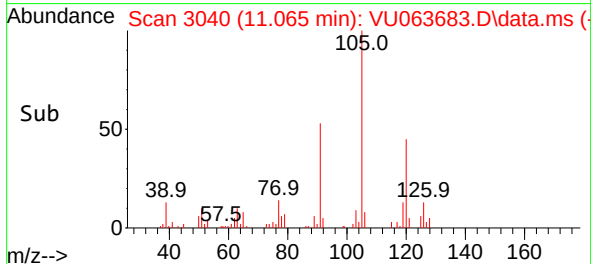
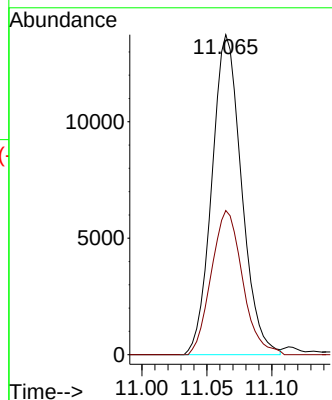
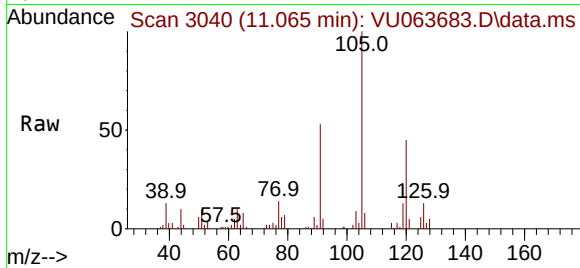
#75
1,3,5-Trimethylbenzene
Concen: 0.287 ug/l
RT: 11.065 min Scan# 3039
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

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

Tgt Ion:105 Resp: 21810
Ion Ratio Lower Upper
105 100
120 47.4 38.2 57.2

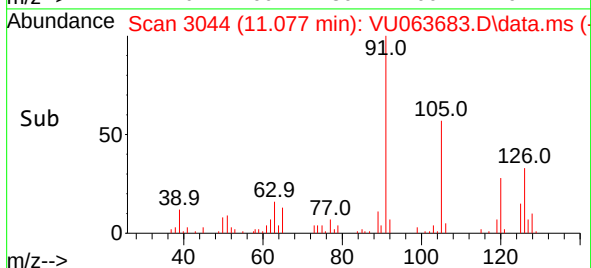
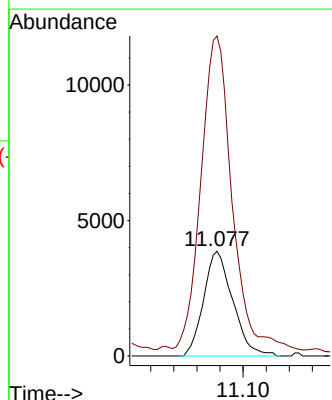
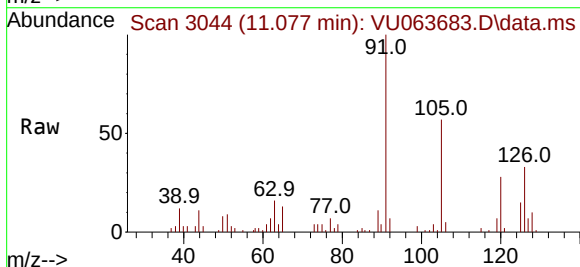
Manual Integrations
APPROVED

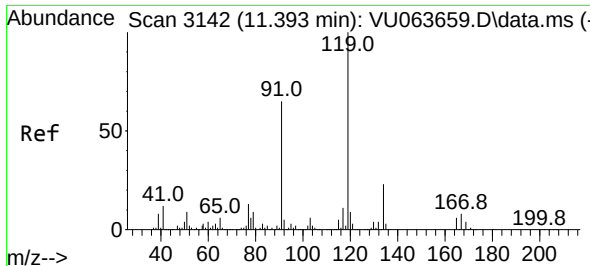
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#76
4-Chlorotoluene
Concen: 0.332 ug/l
RT: 11.077 min Scan# 3044
Delta R.T. 0.006 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

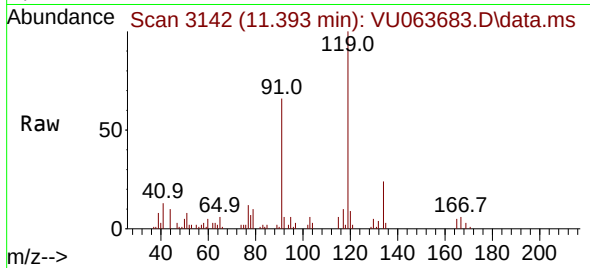
Tgt Ion:126 Resp: 6755
Ion Ratio Lower Upper
126 100
91 322.3 0.0 716.6





#77
tert-Butylbenzene
Concen: 0.301 ug/l
RT: 11.393 min Scan# 3142
Delta R.T. -0.000 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

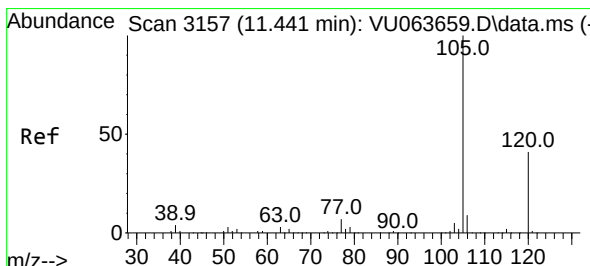
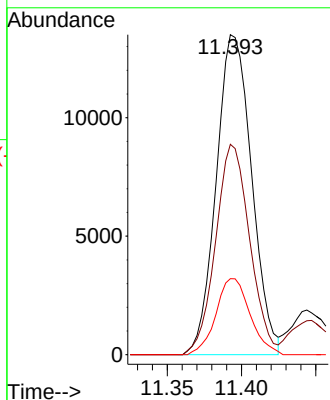
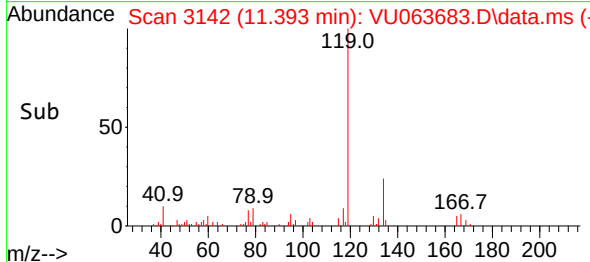
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



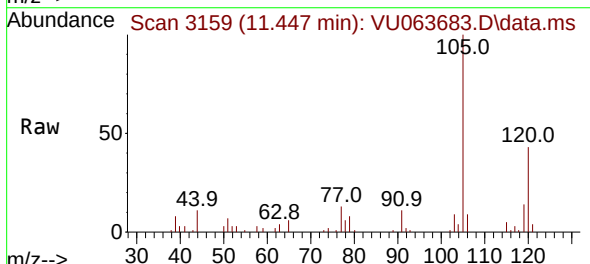
Tgt Ion:119 Resp: 22430
Ion Ratio Lower Upper
119 100
91 63.4 31.3 93.8
134 22.9 18.7 28.1

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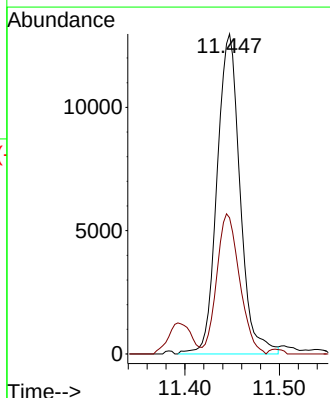
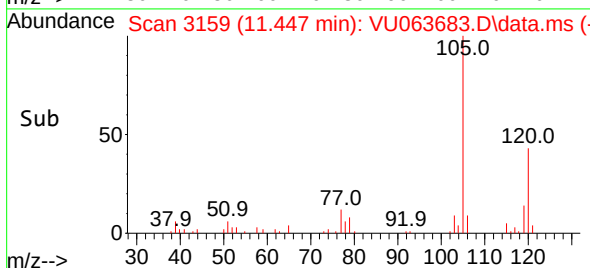
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

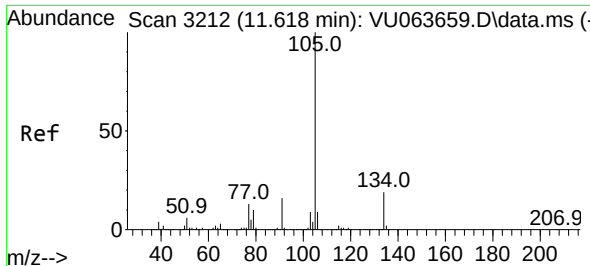


#78
1,2,4-Trimethylbenzene
Concen: 0.300 ug/l
RT: 11.447 min Scan# 3159
Delta R.T. 0.006 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28



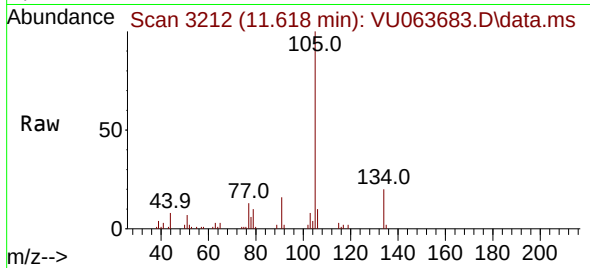
Tgt Ion:105 Resp: 21905
Ion Ratio Lower Upper
105 100
120 43.4 22.4 67.0





#79
 sec-Butylbenzene
 Concen: 0.306 ug/l
 RT: 11.618 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU063683.D
 Acq: 07 Nov 2025 13:28

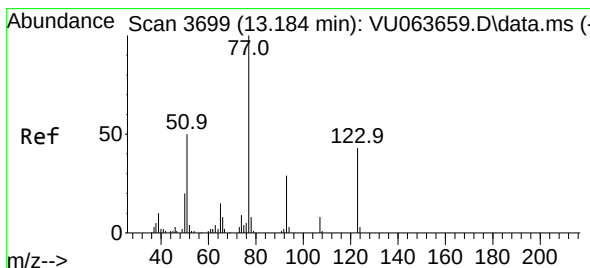
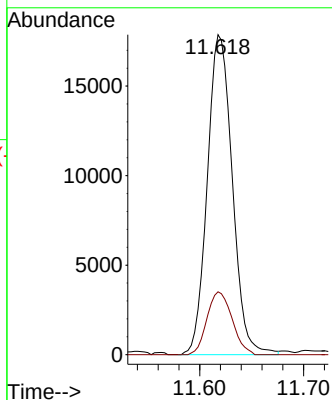
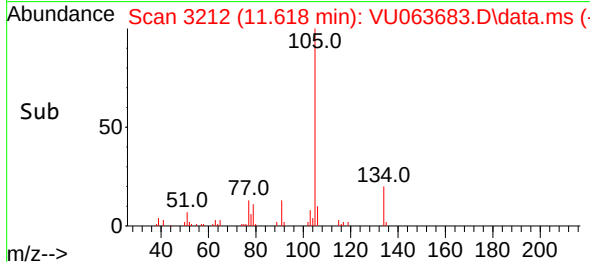
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025



Tgt Ion: 105 Resp: 29934
 Ion Ratio Lower Upper
 105 100
 134 19.7 15.7 23.5

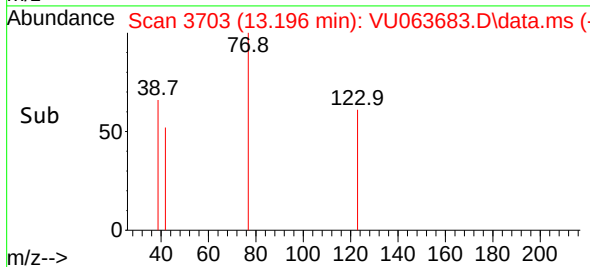
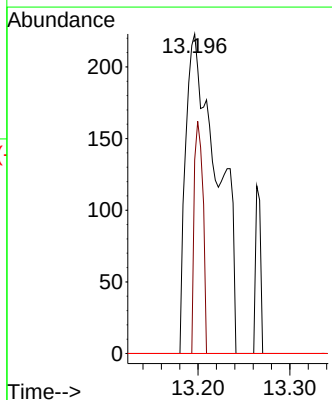
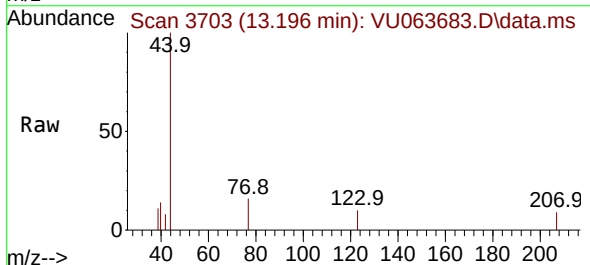
Manual Integrations
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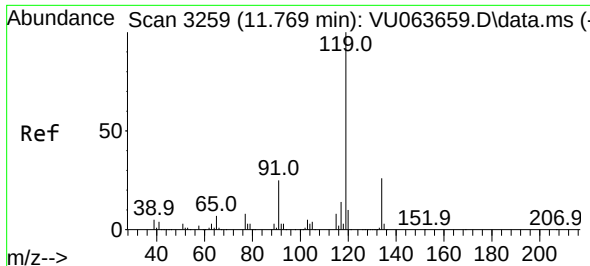
Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025



#80
 Nitrobenzene
 Concen: 0.957 ug/l m
 RT: 13.196 min Scan# 3703
 Delta R.T. 0.013 min
 Lab File: VU063683.D
 Acq: 07 Nov 2025 13:28

Tgt Ion: 77 Resp: 571
 Ion Ratio Lower Upper
 77 100
 123 18.4 18.2 64.4
 65 0.0 13.6 17.2#





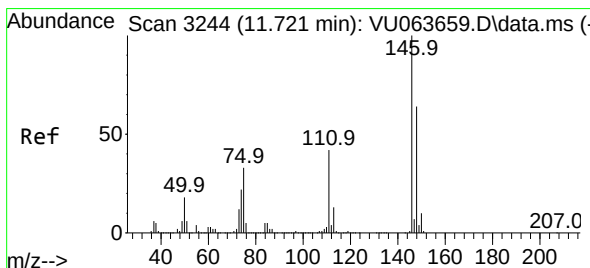
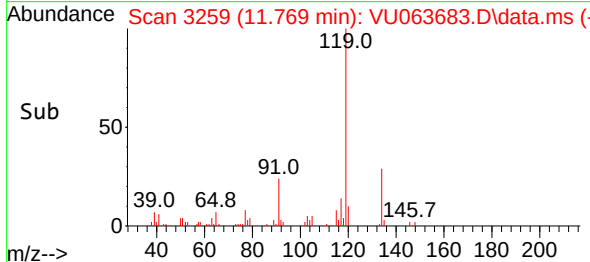
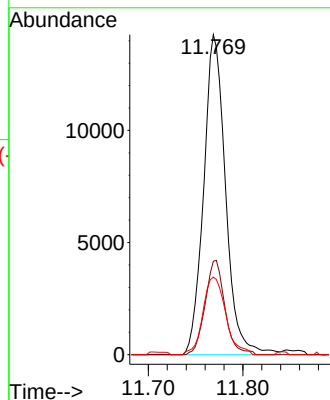
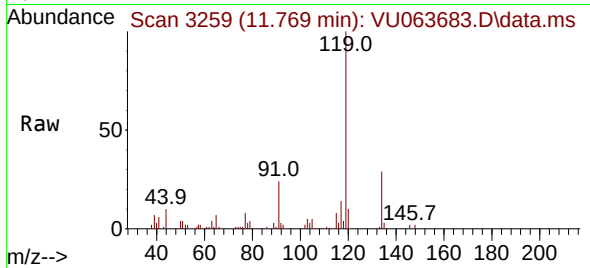
#81
p-Isopropyltoluene
Concen: 0.287 ug/l
RT: 11.769 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

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

Tgt Ion:	119	Resp:	2300
Ion Ratio	Lower	Upper	
119	100		
134	26.5	20.3	30.5
91	25.1	20.1	30.1

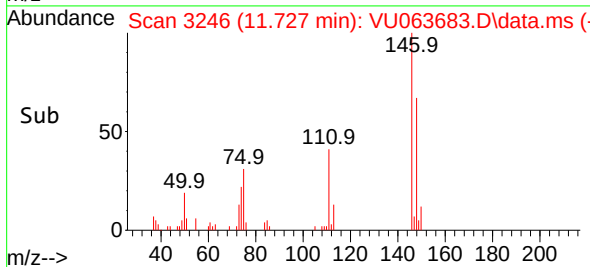
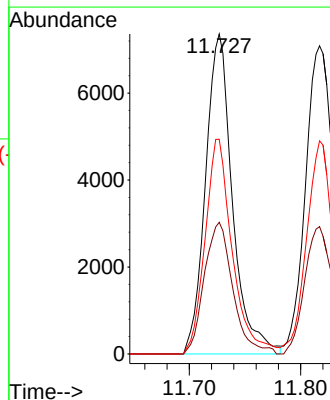
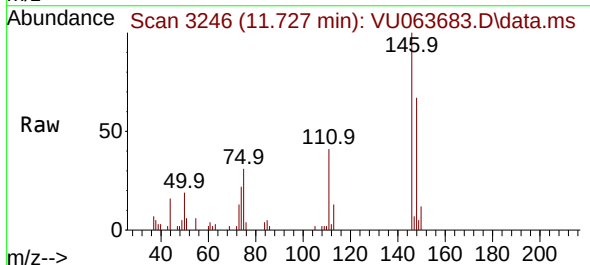
Manual Integrations
APPROVED

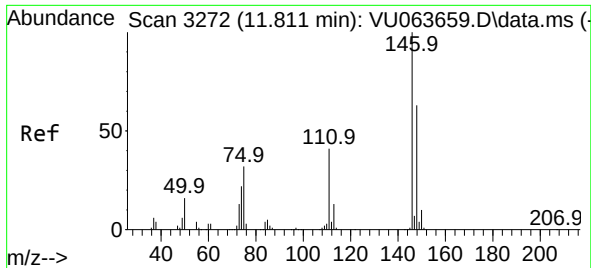
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#82
1,3-Dichlorobenzene
Concen: 0.321 ug/l
RT: 11.727 min Scan# 3246
Delta R.T. 0.006 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

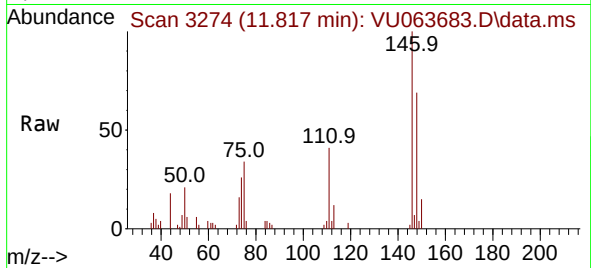
Tgt Ion:	146	Resp:	12368
Ion Ratio	Lower	Upper	
146	100		
111	43.5	33.8	50.8
148	67.6	50.8	76.2





#83
1,4-Dichlorobenzene
Concen: 0.338 ug/l
RT: 11.817 min Scan# 3272
Delta R.T. 0.006 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

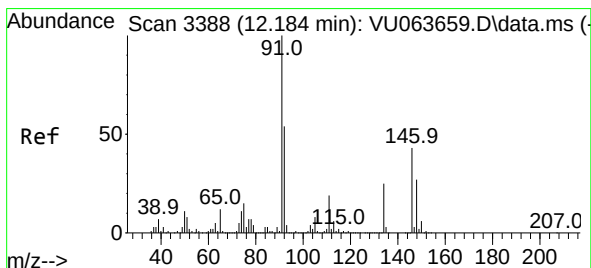
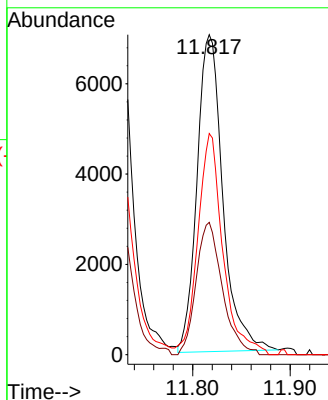
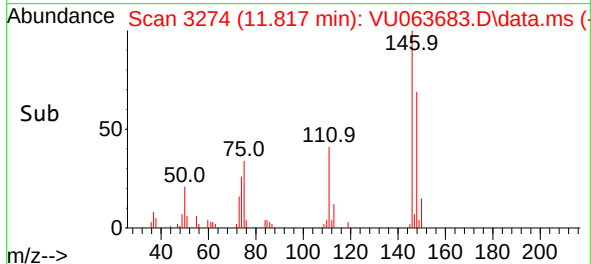
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



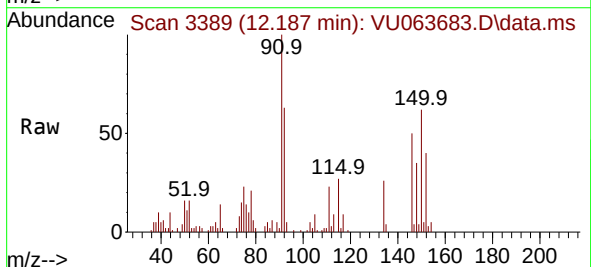
Tgt Ion:146 Resp: 12939
Ion Ratio Lower Upper
146 100
111 42.3 33.0 49.4
148 67.9 50.6 76.0

Manual Integrations
APPROVED

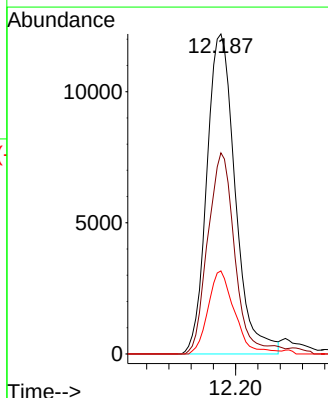
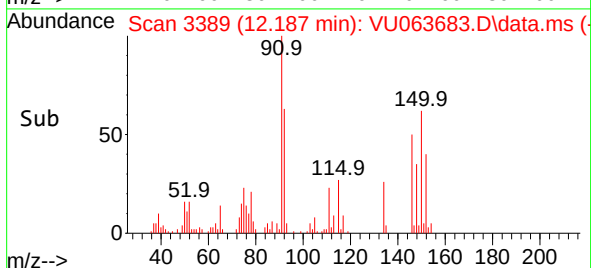
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

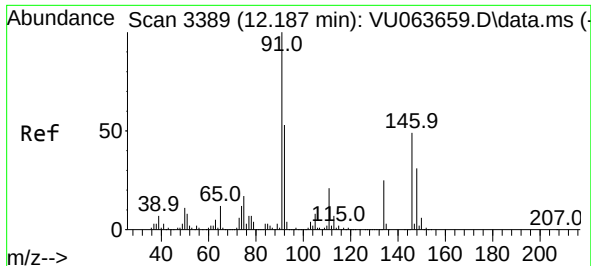


#84
n-Butylbenzene
Concen: 0.301 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28



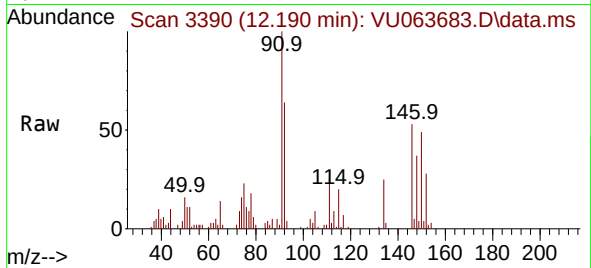
Tgt Ion: 91 Resp: 21658
Ion Ratio Lower Upper
91 100
92 58.8 43.1 64.7
134 24.3 19.7 29.5





#85
1,2-Dichlorobenzene
Concen: 0.327 ug/l
RT: 12.190 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

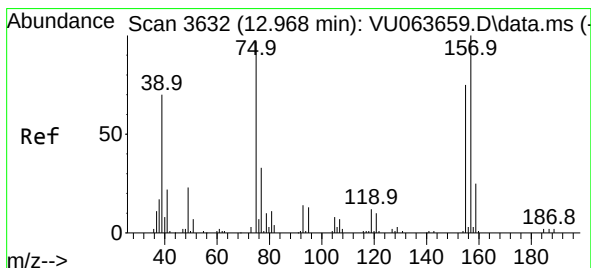
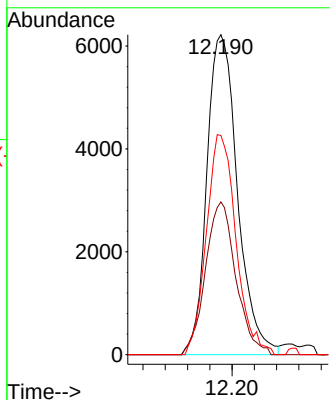
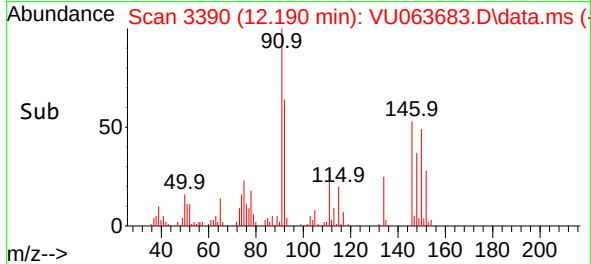
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:146 Resp: 11894
Ion Ratio Lower Upper
146 100
111 47.4 22.2 66.6
148 66.4 31.9 95.5

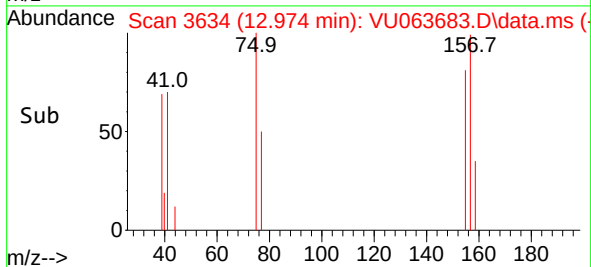
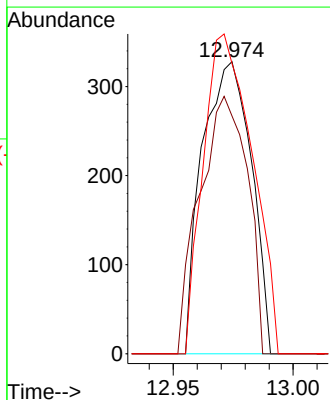
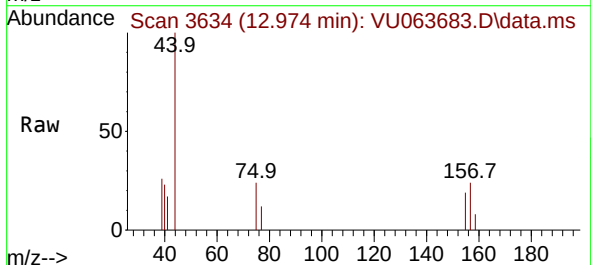
Manual Integrations
APPROVED

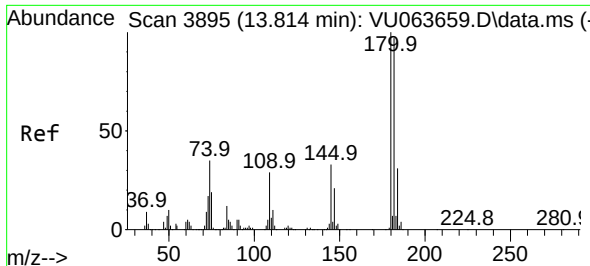
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#86
1,2-Dibromo-3-Chloropropane
Concen: 0.165 ug/l
RT: 12.974 min Scan# 3634
Delta R.T. 0.006 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

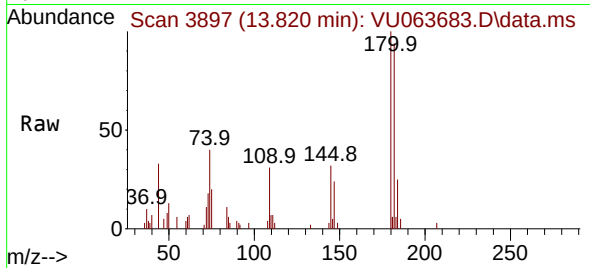
Tgt Ion: 75 Resp: 465
Ion Ratio Lower Upper
75 100
155 86.2 62.2 93.4
157 109.5 81.3 121.9





#87
1,2,4-Trichlorobenzene
Concen: 0.367 ug/l
RT: 13.820 min Scan# 3897
Delta R.T. 0.006 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

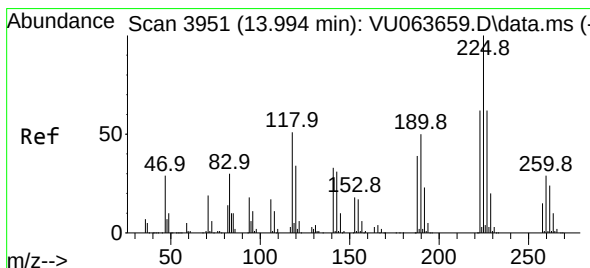
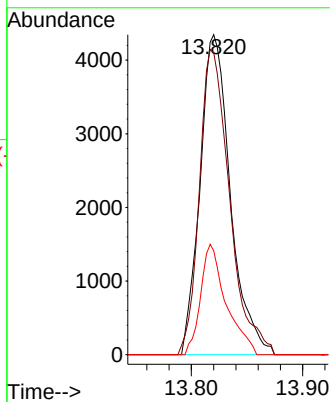
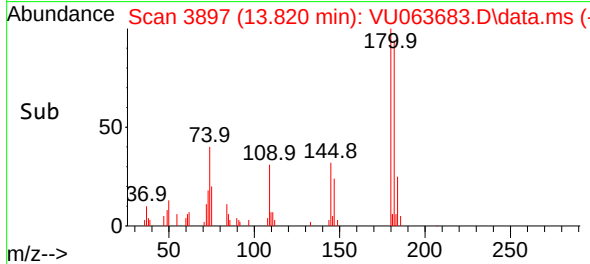
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:180 Resp: 8228
Ion Ratio Lower Upper
180 100
182 95.0 76.4 114.6
145 29.1 26.2 39.2

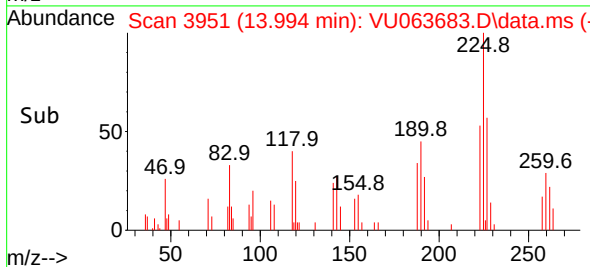
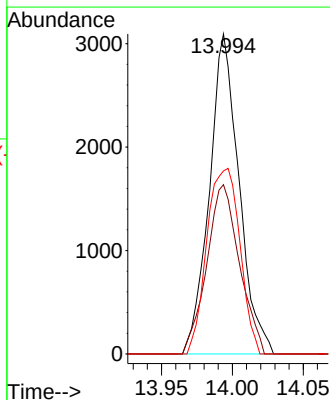
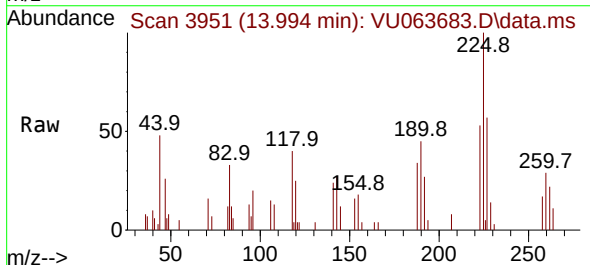
Manual Integrations
APPROVED

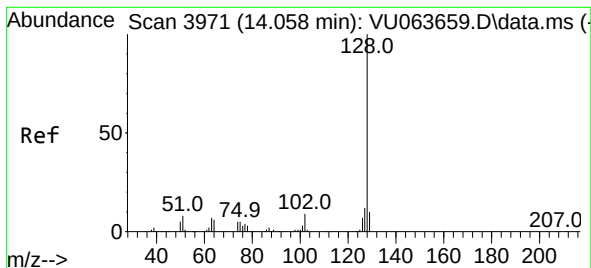
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#88
Hexachlorobutadiene
Concen: 0.337 ug/l
RT: 13.994 min Scan# 3951
Delta R.T. -0.000 min
Lab File: VU063683.D
Acq: 07 Nov 2025 13:28

Tgt Ion:225 Resp: 4498
Ion Ratio Lower Upper
225 100
223 58.4 50.2 75.4
227 64.7 50.0 75.0





#89

Naphthalene

Concen: 0.396 ug/l

RT: 14.068 min Scan# 3971

Delta R.T. 0.009 min

Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

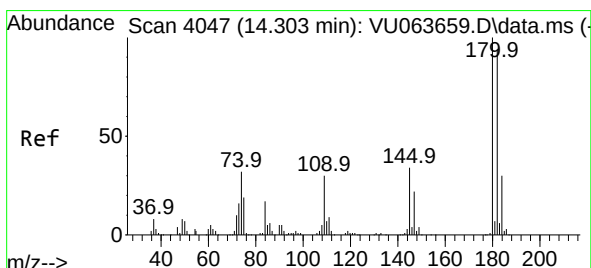
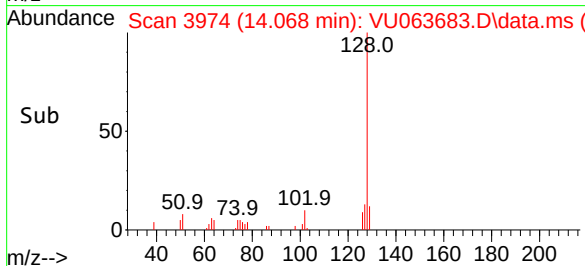
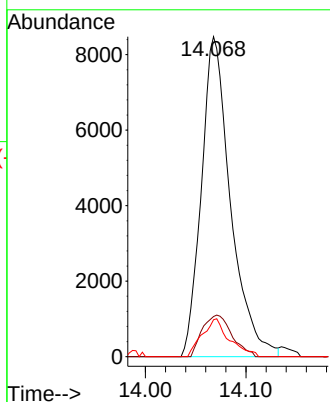
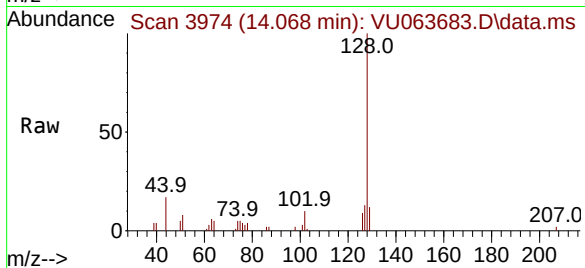
Tgt Ion:128	Resp:	17092
Ion Ratio	Lower	Upper
128	100	
127	13.2	10.2 15.2
129	11.0	8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#90

1,2,3-Trichlorobenzene

Concen: 0.388 ug/l

RT: 14.306 min Scan# 4048

Delta R.T. 0.003 min

Lab File: VU063683.D

Acq: 07 Nov 2025 13:28

Tgt Ion:180	Resp:	7950
Ion Ratio	Lower	Upper
180	100	
182	95.5	75.4 113.0
145	33.0	27.4 41.2

