

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110525\
 Data File : VU063673.D
 Acq On : 05 Nov 2025 15:27
 Operator : MD/SY
 Sample : Q3530-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025

Quant Time: Nov 06 04:39:00 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	57058	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	22999	0.891	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
68) 1,2-Dichlorobenzene-d4	12.167	152	22207	0.960	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	16372	0.762	ug/l	100
3) Chloromethane	1.509	50	16031	0.794	ug/l	95
4) Vinyl Chloride	1.589	62	15920	0.775	ug/l	100
5) Bromomethane	1.840	94	11408	0.919	ug/l	96
6) Chloroethane	1.917	64	10595	0.840	ug/l	93
7) Trichlorofluoromethane	2.120	101	24527	0.821	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.557	101	13225	0.832	ug/l	98
9) 1,1-Dichloroethene	2.557	96	12552	0.816	ug/l	98
10) Iodomethane	2.698	142	14158	0.620	ug/l	98
11) Allyl Chloride	2.898	41	18217	0.758	ug/l	97
12) Acrylonitrile	3.290	53	7375	1.938	ug/l	95
13) Acetone	2.605	43	22850	3.400	ug/l	96
14) Carbon Disulfide	2.766	76	30600	0.706	ug/l	99
15) Methylene Chloride	3.017	84	16009	0.810	ug/l	84
16) trans-1,2-Dichloroethene	3.319	96	13313	0.785	ug/l	92
17) 1,1-Dichloroethane	3.833	63	27848	0.829	ug/l	96
18) 2-Butanone	4.692	43	25636	3.596	ug/l	99
19) Cyclohexane	5.348	56	20538	0.800	ug/l	97
20) Methylcyclohexane	6.724	83	24818	0.776	ug/l	98
21) 2,2-Dichloropropane	4.624	77	23736	0.787	ug/l	95
22) cis-1,2-Dichloroethene	4.631	96	15877	0.822	ug/l	95
23) Diethyl Ether	2.358	59	10118	0.803	ug/l	95
24) tert-Butyl Alcohol	3.168	59	12426	5.719	ug/l #	78
25) Methyl tert-Butyl Ether	3.341	73	36244	0.804	ug/l	96
26) Bromochloromethane	4.936	128	6707	0.823	ug/l	99
27) Chloroform	5.055	83	29078	0.846	ug/l	97
28) 1,1,1-Trichloroethane	5.280	97	23438	0.773	ug/l	100
29) 1,1-Dichloropropene	5.489	75	21297	0.837	ug/l	97
30) Carbon Tetrachloride	5.486	117	18545	0.773	ug/l	96
31) Isopropyl Ether	3.972	45	40115	0.754	ug/l	94
32) Ethyl-t-butyl ether	4.480	59	40551	0.791	ug/l	98
33) Tert-Amyl methyl ether	5.923	73	36152	0.810	ug/l	99
34) Propionitrile	4.756	54	5651	4.056	ug/l #	64
35) Benzene	5.740	78	55919	0.779	ug/l	93
36) 1,2-Dichloroethane	5.766	62	20044	0.870	ug/l	97
37) Trichloroethene	6.512	130	15911	0.778	ug/l	90
38) 1,2-Dichloropropane	6.763	63	14802	0.737	ug/l	99
39) Methacrylonitrile	4.956	41	4747	0.684	ug/l #	82
40) Methyl acrylate	4.827	55	7816	0.776	ug/l #	96
41) Tetrahydrofuran	5.046	42	5043	1.616	ug/l #	88
42) 1-Chlorobutane	5.425	56	27176	0.797	ug/l	92
43) Dibromomethane	6.891	93	8184	0.788	ug/l	93
44) Bromodichloromethane	7.078	83	18177	0.716	ug/l	99

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 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025

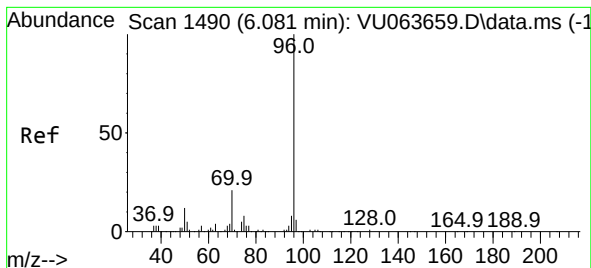
Quant Time: Nov 06 04:39:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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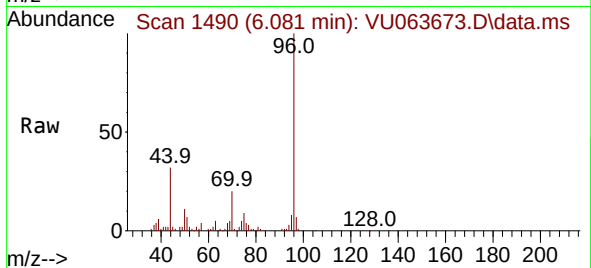
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	43865	3.502	ug/l	97
46) t-1,4-Dichloro-2-butene	10.807	75	5366m	1.235	ug/l	
47) Methyl methacrylate	6.949	69	14861	1.555	ug/l	98
48) Ethyl methacrylate	8.319	69	14143	0.728	ug/l	96
49) Toluene	7.943	92	37294	0.771	ug/l	99
50) t-1,3-Dichloropropene	8.190	75	14566	0.660	ug/l	97
51) cis-1,3-Dichloropropene	7.582	75	18389	0.666	ug/l	89
52) 1,1,2-Trichloroethane	8.380	97	12266	0.869	ug/l	92
53) 1,3-Dichloropropane	8.553	76	20421	0.810	ug/l	99
54) 2-Hexanone	8.679	43	33661	3.183	ug/l	99
55) Dibromochloromethane	8.785	129	10822	0.651	ug/l	97
56) 1,2-Dibromoethane	8.901	107	10181	0.758	ug/l	100
58) Tetrachloroethene	8.525	164	15828	0.791	ug/l	97
59) Chlorobenzene	9.425	112	40268	0.767	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.508	131	12459	0.678	ug/l	98
61) Pentachloroethane	11.399	117	8563	0.672	ug/l	94
62) Hexachloroethane	12.447	117	7682	0.550	ug/l	94
63) Ethyl Benzene	9.547	91	72313	0.761	ug/l	97
64) m/p-Xylenes	9.669	106	53948	1.520	ug/l	99
65) o-Xylene	10.078	106	25621	0.737	ug/l	93
66) Styrene	10.094	104	41893	0.743	ug/l	99
67) Bromoform	10.267	173	5375	0.599	ug/l	100
69) Isopropylbenzene	10.460	105	64525	0.751	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.759	83	13189	0.744	ug/l	97
71) 1,2,3-Trichloropropane	10.798	75	10391m	0.673	ug/l	
72) Bromobenzene	10.759	156	15754	0.759	ug/l	97
73) n-propylbenzene	10.881	120	17751	0.728	ug/l	98
74) 2-Chlorotoluene	10.962	126	16550	0.783	ug/l	95
75) 1,3,5-Trimethylbenzene	11.065	105	58314	0.734	ug/l	100
76) 4-Chlorotoluene	11.078	126	16354	0.770	ug/l	97
77) tert-Butylbenzene	11.396	119	57287	0.736	ug/l	100
78) 1,2,4-Trimethylbenzene	11.444	105	54994	0.722	ug/l	99
79) sec-Butylbenzene	11.618	105	74488	0.728	ug/l	99
80) Nitrobenzene	13.187	77	1505m	2.413	ug/l	
81) p-Isopropyltoluene	11.769	119	60141	0.718	ug/l	99
82) 1,3-Dichlorobenzene	11.724	146	32008	0.796	ug/l	99
83) 1,4-Dichlorobenzene	11.814	146	30651	0.767	ug/l	97
84) n-Butylbenzene	12.184	91	51933	0.692	ug/l	97
85) 1,2-Dichlorobenzene	12.190	146	29365	0.772	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.968	75	1883	0.641	ug/l	93
87) 1,2,4-Trichlorobenzene	13.817	180	18148	0.774	ug/l	97
88) Hexachlorobutadiene	13.991	225	11101	0.796	ug/l	97
89) Naphthalene	14.068	128	34422	0.763	ug/l	99
90) 1,2,3-Trichlorobenzene	14.302	180	16234	0.758	ug/l	97

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



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.081 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

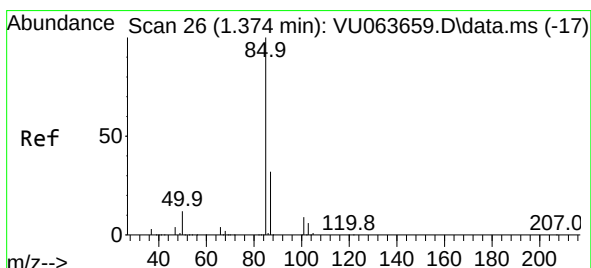
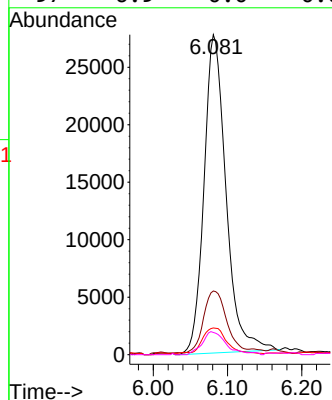
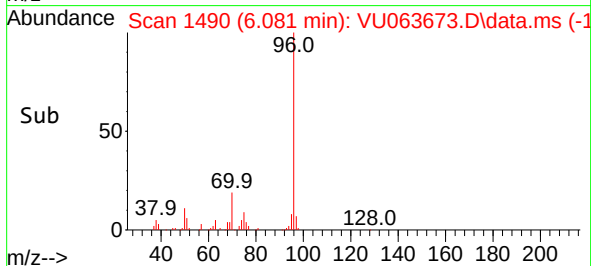
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



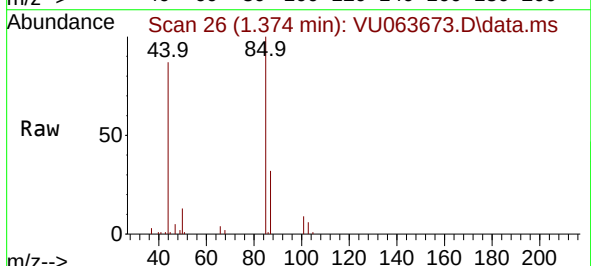
Tgt Ion: 96 Resp: 57058
Ion Ratio Lower Upper
96 100
70 18.9 15.3 22.9
95 8.1 6.5 9.7
97 6.9 0.0 0.0#

Manual Integrations
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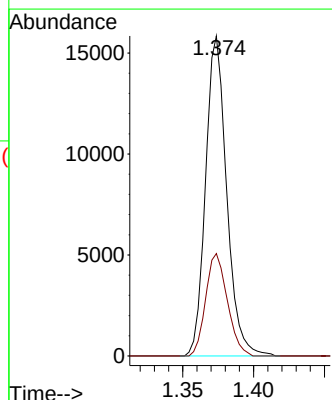
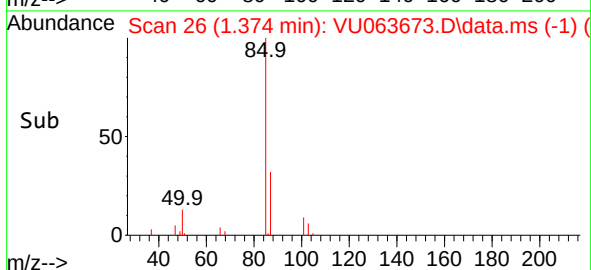
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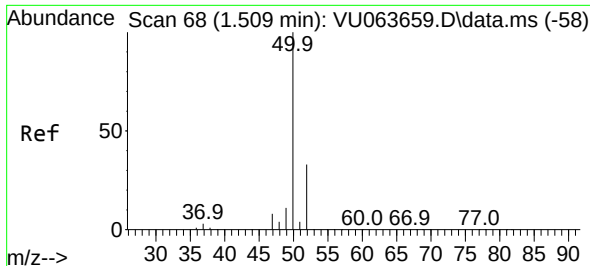


#2
Dichlorodifluoromethane
Concen: 0.762 ug/l
RT: 1.374 min Scan# 26
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27



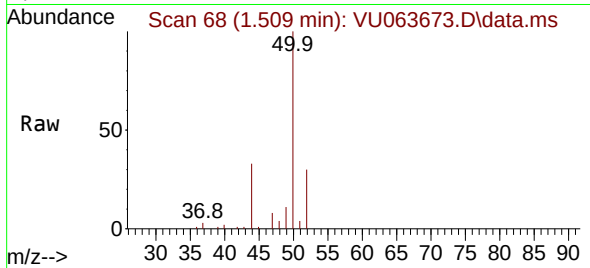
Tgt Ion: 85 Resp: 16372
Ion Ratio Lower Upper
85 100
87 32.0 16.0 47.9





#3
Chloromethane
Concen: 0.794 ug/l
RT: 1.509 min Scan# 68
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

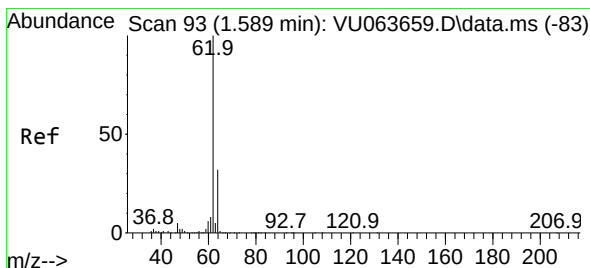
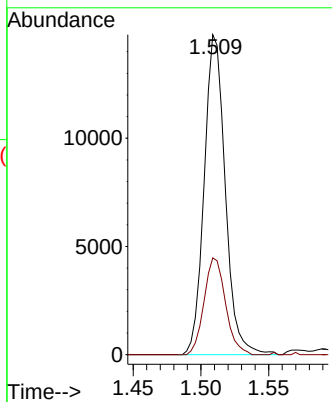
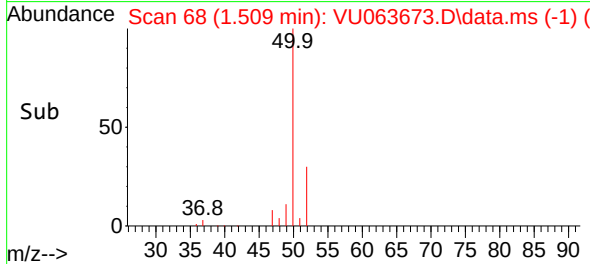
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 50 Resp: 1603
Ion Ratio Lower Upper
50 100
52 30.2 26.6 40.0

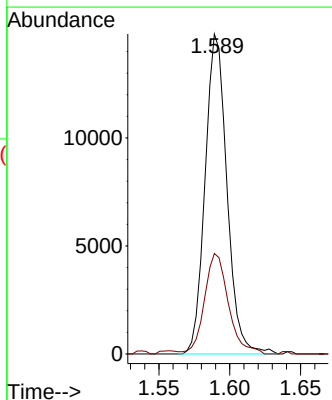
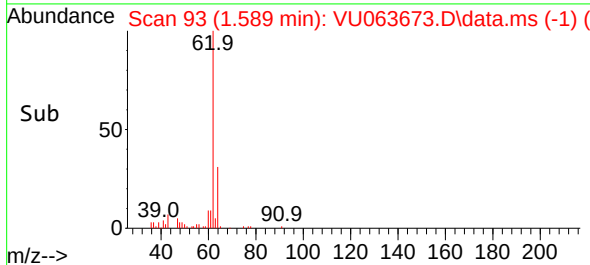
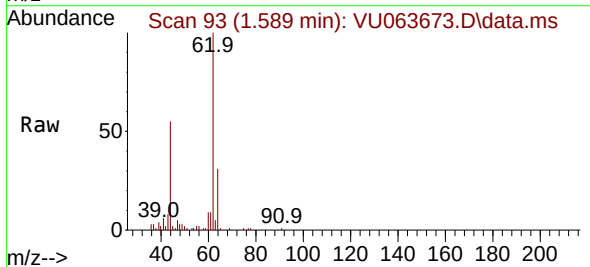
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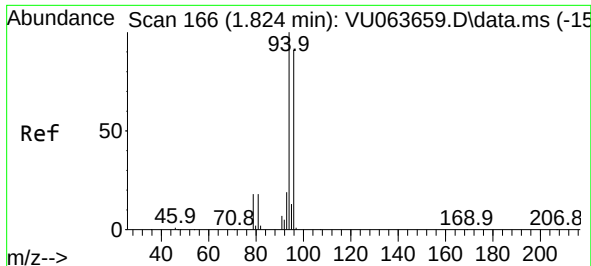
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#4
Vinyl Chloride
Concen: 0.775 ug/l
RT: 1.589 min Scan# 93
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

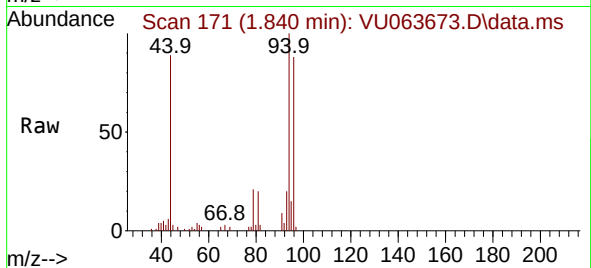
Tgt Ion: 62 Resp: 15920
Ion Ratio Lower Upper
62 100
64 31.4 25.2 37.8





#5
Bromomethane
Concen: 0.919 ug/l
RT: 1.840 min Scan# 1140
Delta R.T. 0.016 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

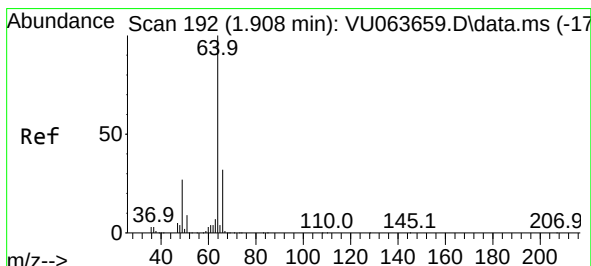
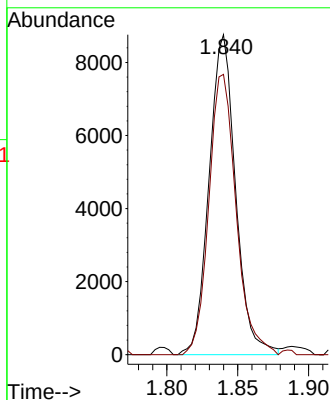
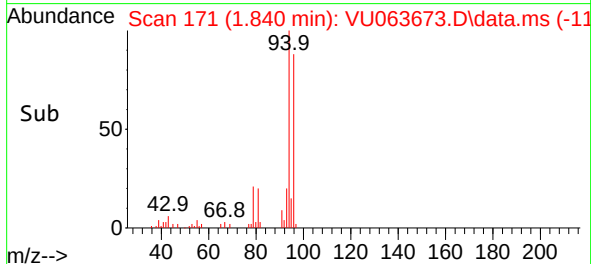
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 94 Resp: 1140
Ion Ratio Lower Upper
94 100
96 87.6 73.0 109.6

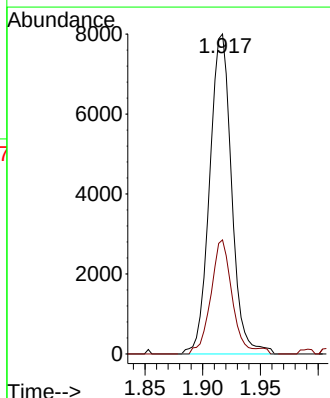
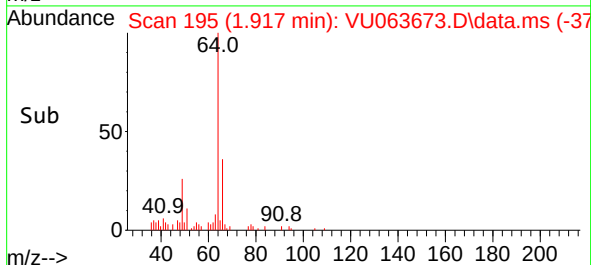
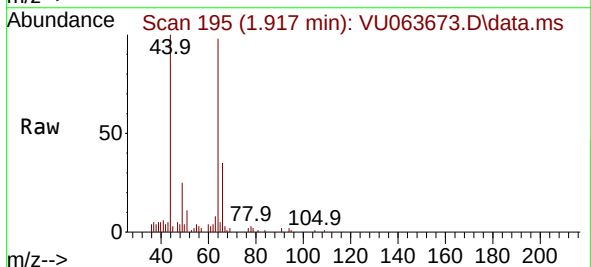
Manual Integrations
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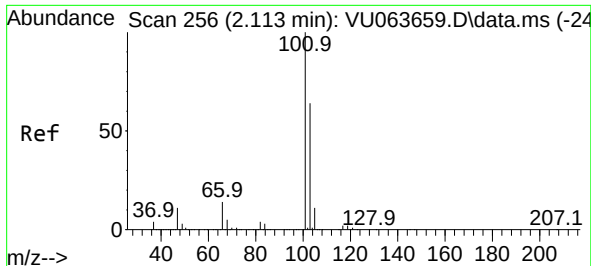
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#6
Chloroethane
Concen: 0.840 ug/l
RT: 1.917 min Scan# 195
Delta R.T. 0.010 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

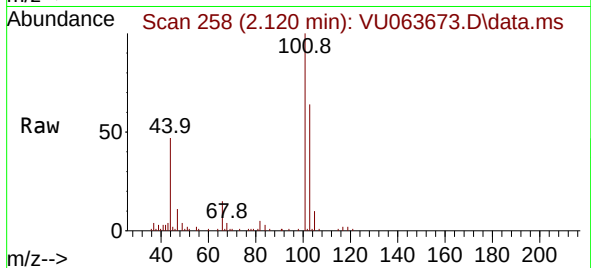
Tgt Ion: 64 Resp: 10595
Ion Ratio Lower Upper
64 100
66 35.6 25.4 38.2





#7
Trichlorofluoromethane
Concen: 0.821 ug/l
RT: 2.120 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

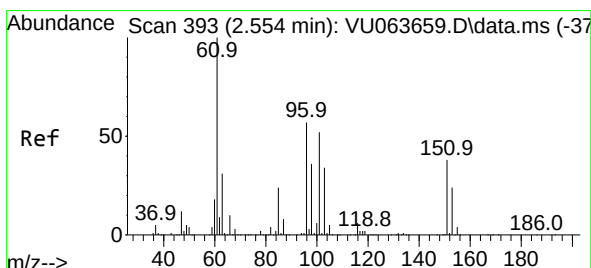
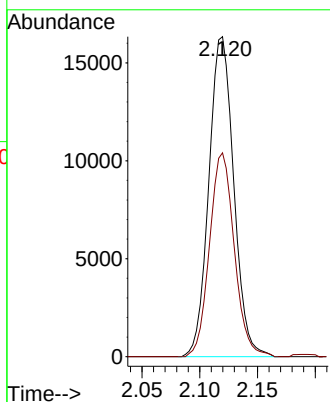
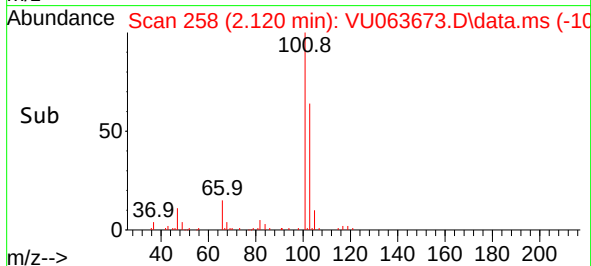
Instrument :
MSVOA_U
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Tgt Ion:101 Resp: 2452
Ion Ratio Lower Upper
101 100
103 63.7 51.0 76.6

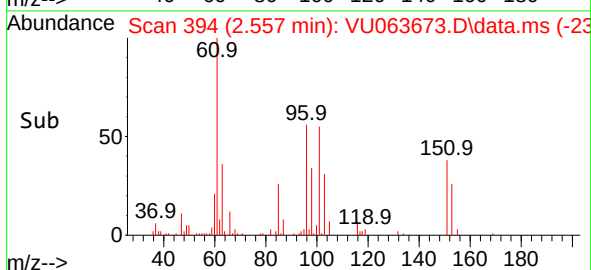
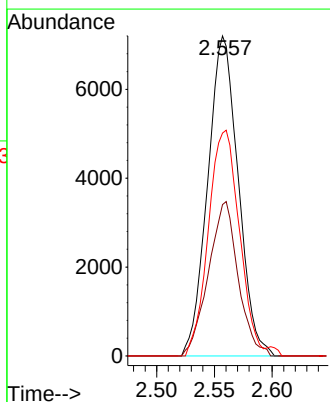
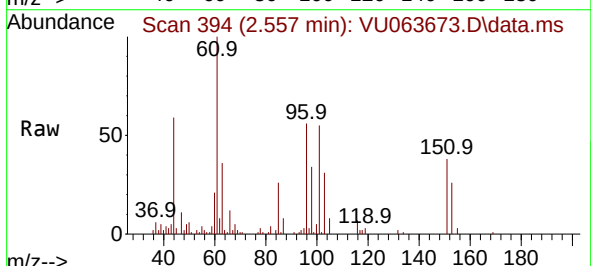
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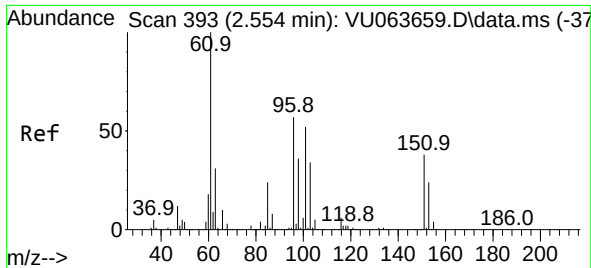
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.832 ug/l
RT: 2.557 min Scan# 394
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Tgt Ion:101 Resp: 13225
Ion Ratio Lower Upper
101 100
85 47.0 37.0 55.4
151 69.0 57.2 85.8





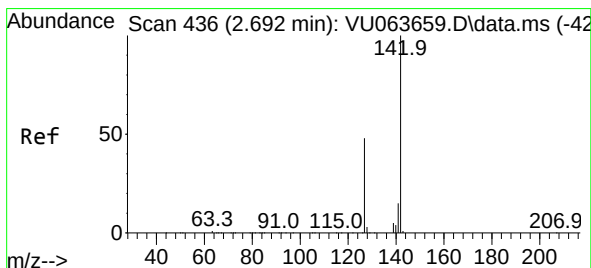
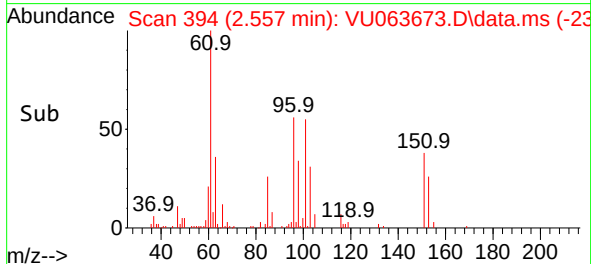
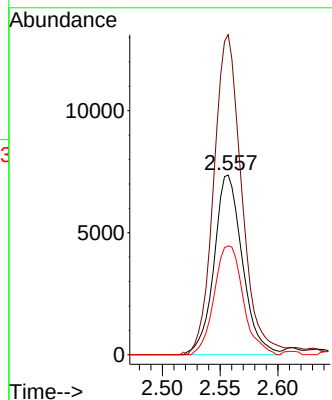
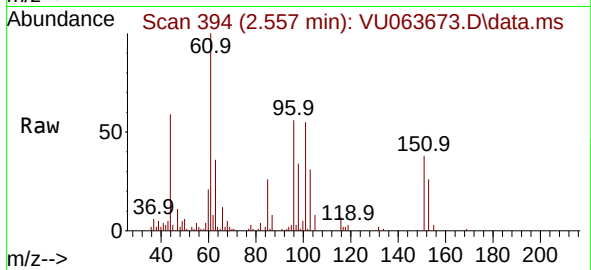
#9
1,1-Dichloroethene
Concen: 0.816 ug/l
RT: 2.557 min Scan# 394
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 96 Resp: 1255
Ion Ratio Lower Upper
96 100
61 178.1 0.0 524.7
98 62.6 0.0 126.8

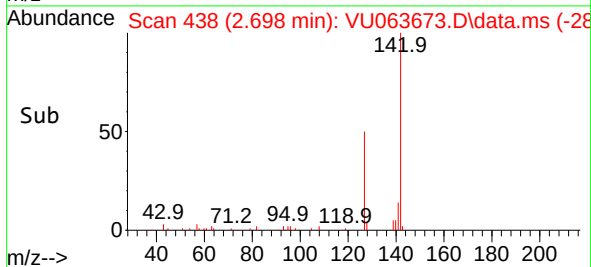
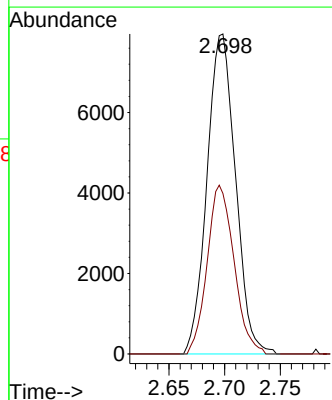
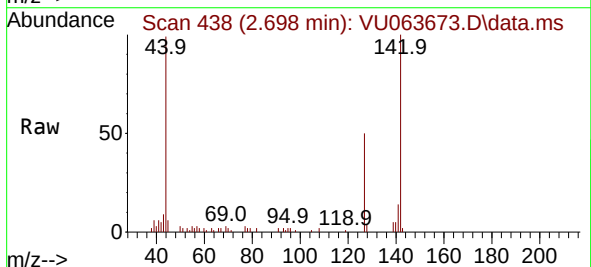
Manual Integrations
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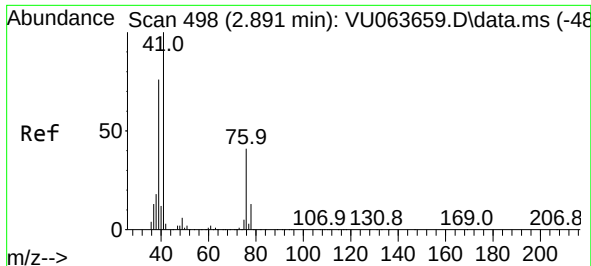
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#10
Iodomethane
Concen: 0.620 ug/l
RT: 2.698 min Scan# 438
Delta R.T. 0.006 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

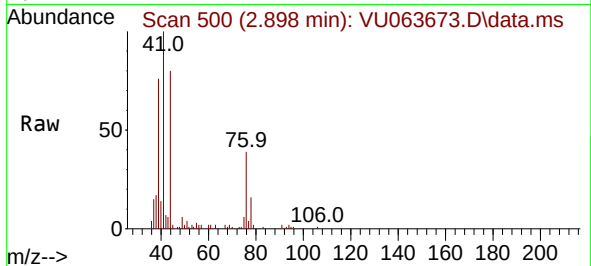
Tgt Ion:142 Resp: 14158
Ion Ratio Lower Upper
142 100
127 49.7 38.6 58.0





#11
 Allyl Chloride
 Concen: 0.758 ug/l
 RT: 2.898 min Scan# 50
 Delta R.T. 0.006 min
 Lab File: VU063673.D
 Acq: 05 Nov 2025 15:27

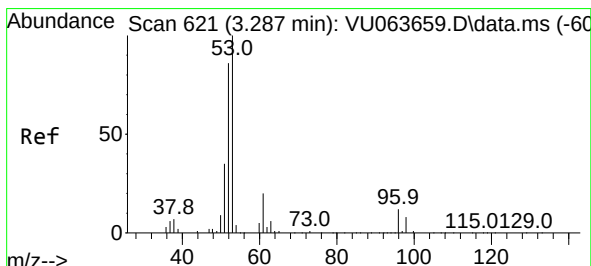
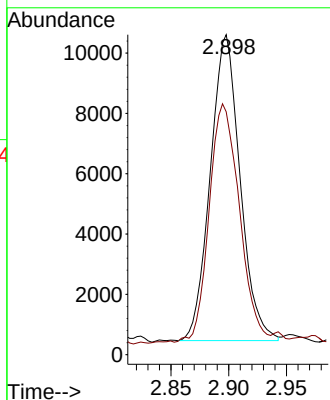
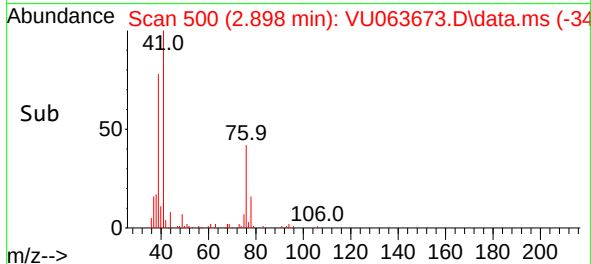
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025



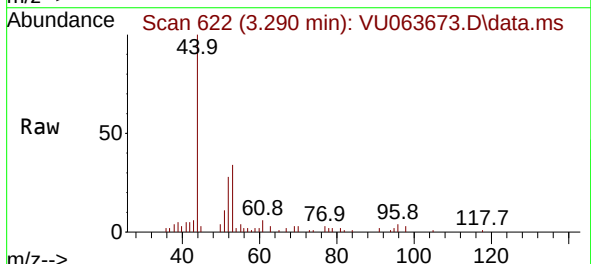
Tgt Ion: 41 Resp: 1821
 Ion Ratio Lower Upper
 41 100
 39 79.0 61.0 91.4

Manual Integrations
 APPROVED

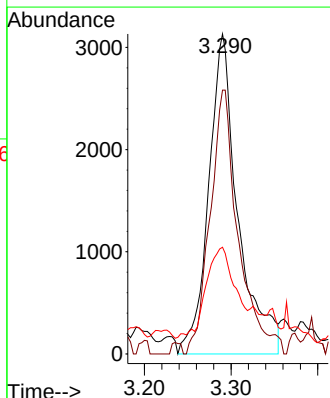
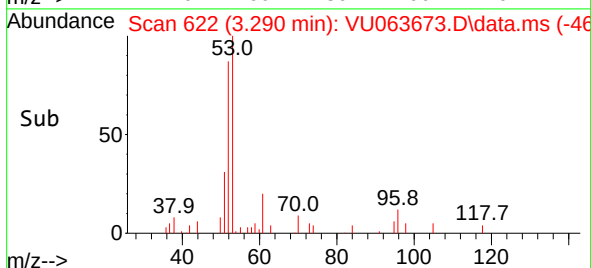
Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025

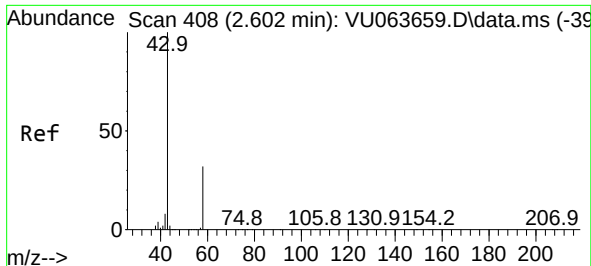


#12
 Acrylonitrile
 Concen: 1.938 ug/l
 RT: 3.290 min Scan# 622
 Delta R.T. 0.003 min
 Lab File: VU063673.D
 Acq: 05 Nov 2025 15:27



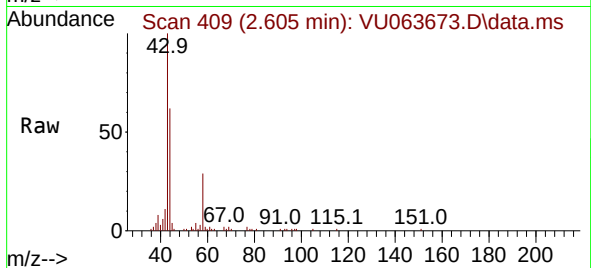
Tgt Ion: 53 Resp: 7375
 Ion Ratio Lower Upper
 53 100
 52 79.3 65.4 98.0
 51 27.7 27.6 41.4





#13
Acetone
Concen: 3.400 ug/l
RT: 2.605 min Scan# 408
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

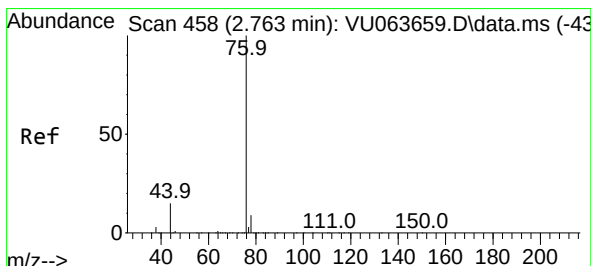
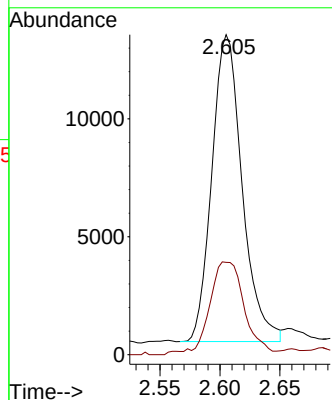
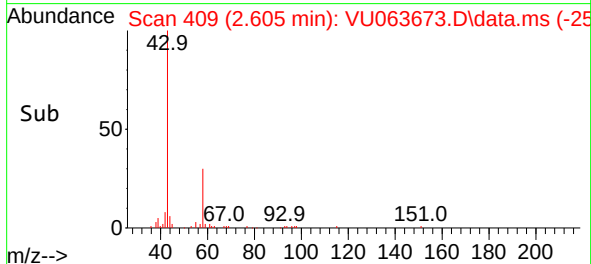
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



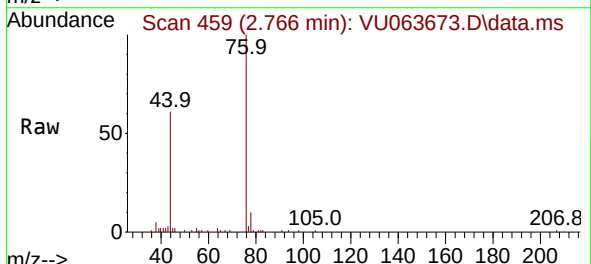
Tgt Ion: 43 Resp: 22850
Ion Ratio Lower Upper
43 100
58 29.1 25.2 37.8

Manual Integrations
APPROVED

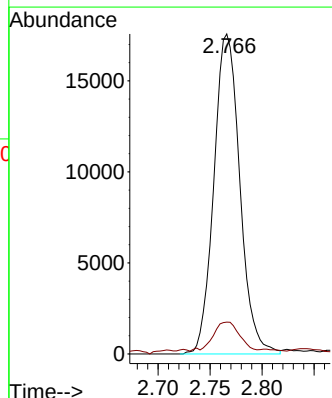
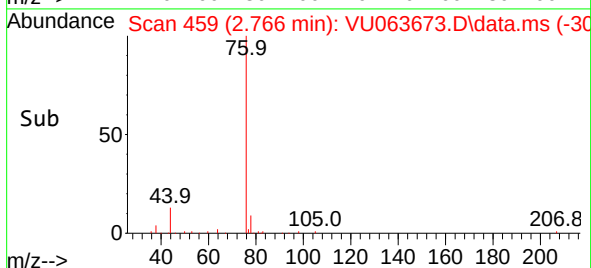
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

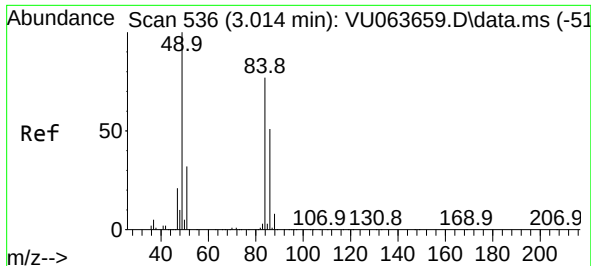


#14
Carbon Disulfide
Concen: 0.706 ug/l
RT: 2.766 min Scan# 459
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27



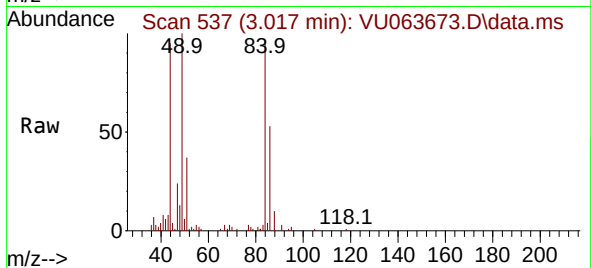
Tgt Ion: 76 Resp: 30600
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3





#15
Methylene Chloride
Concen: 0.810 ug/l
RT: 3.017 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

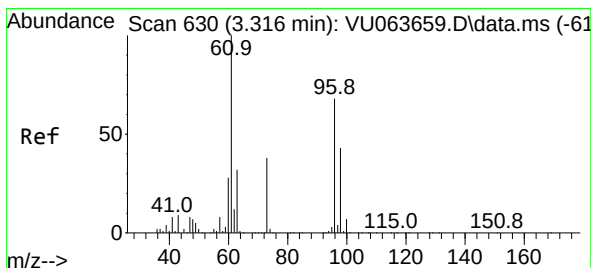
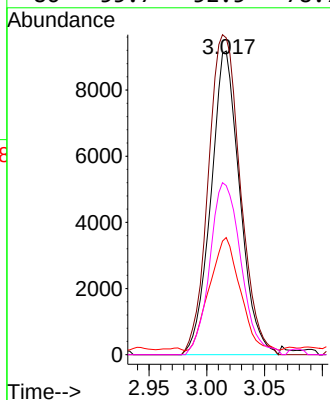
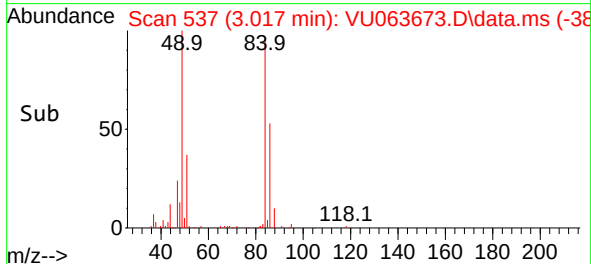
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion:	84	Resp:	16009
Ion	Ratio	Lower	Upper
84	100		
49	104.3	103.4	155.0
51	37.0	0.0	81.6
86	55.7	52.5	78.7

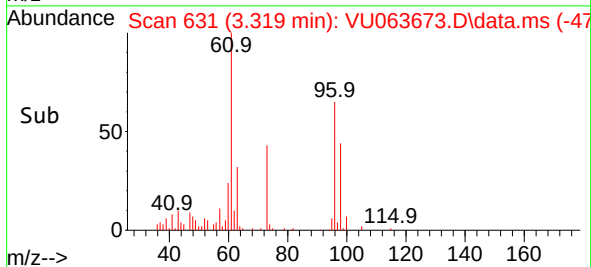
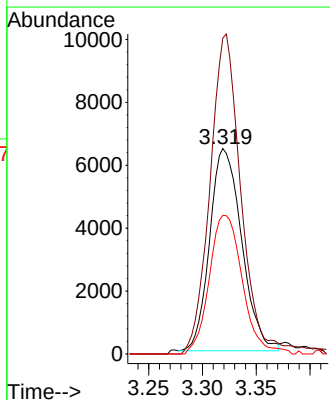
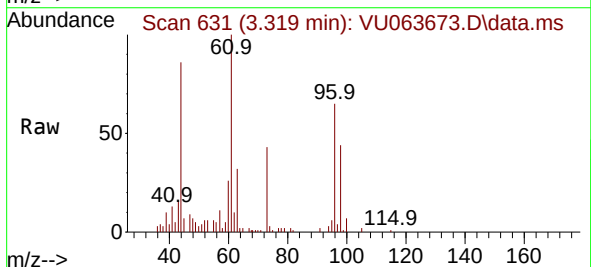
Manual Integrations
APPROVED

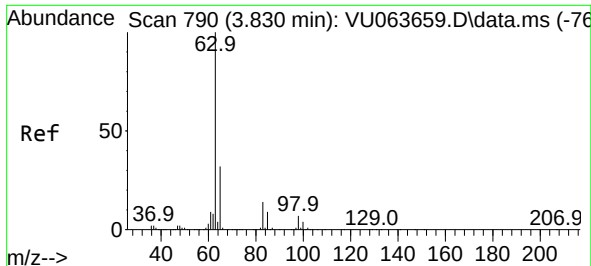
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#16
trans-1,2-Dichloroethene
Concen: 0.785 ug/l
RT: 3.319 min Scan# 631
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

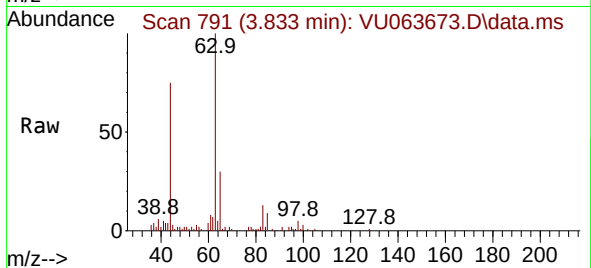
Tgt Ion:	96	Resp:	13313
Ion	Ratio	Lower	Upper
96	100		
61	156.2	117.4	176.2
98	68.5	49.9	74.9





#17
1,1-Dichloroethane
Concen: 0.829 ug/l
RT: 3.833 min Scan# 791
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

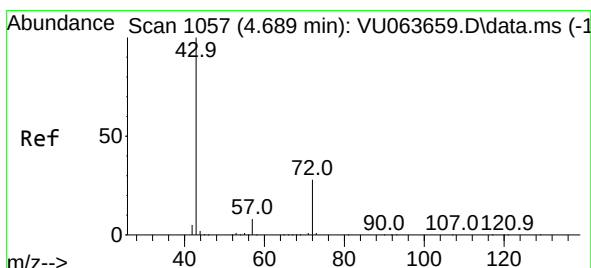
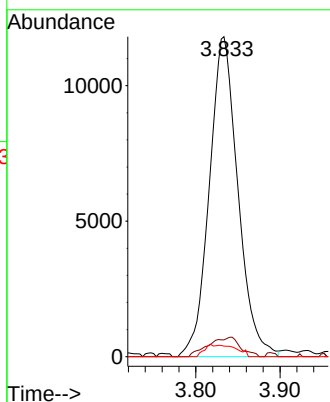
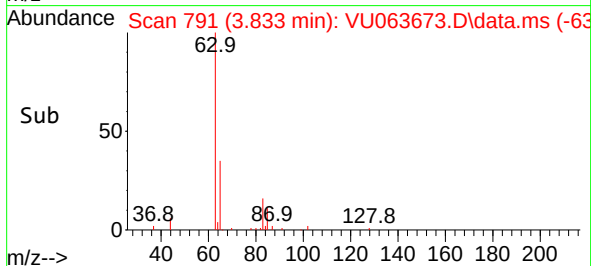
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



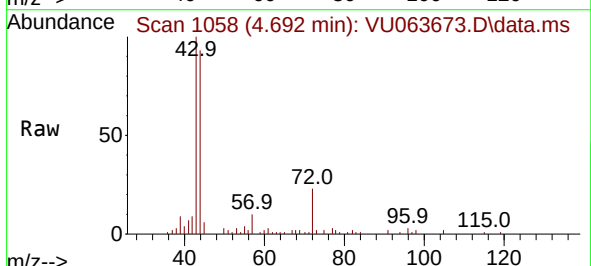
Tgt Ion: 63 Resp: 2784
Ion Ratio Lower Upper
63 100
98 5.3 3.5 10.5
100 3.3 2.2 6.6

Manual Integrations
APPROVED

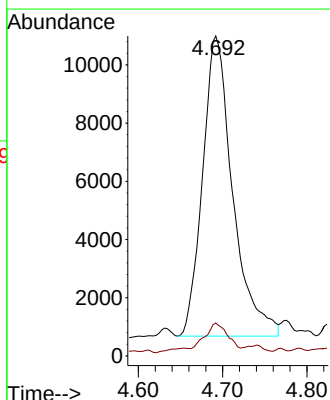
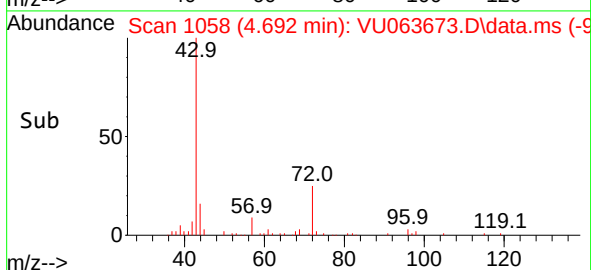
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

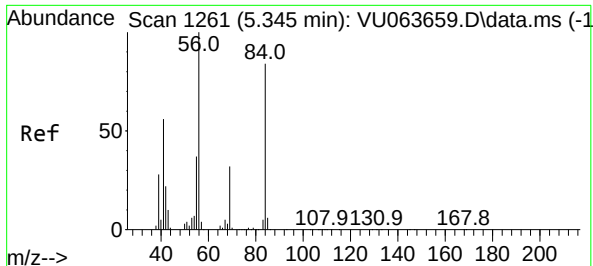


#18
2-Butanone
Concen: 3.596 ug/l
RT: 4.692 min Scan# 1058
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27



Tgt Ion: 43 Resp: 25636
Ion Ratio Lower Upper
43 100
57 8.6 0.0 16.6





#19

Cyclohexane

Concen: 0.800 ug/l

RT: 5.348 min Scan# 1261

Delta R.T. 0.003 min

Lab File: VU063673.D

Acq: 05 Nov 2025 15:27

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 56 Resp: 20538

Ion Ratio Lower Upper

56 100

69 36.4 27.1 40.7

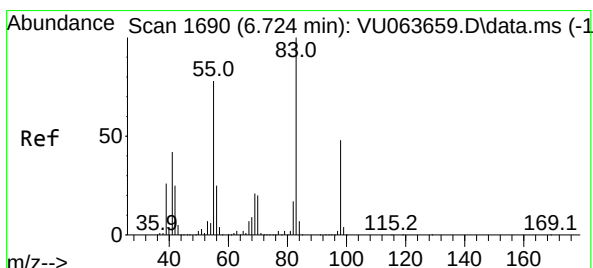
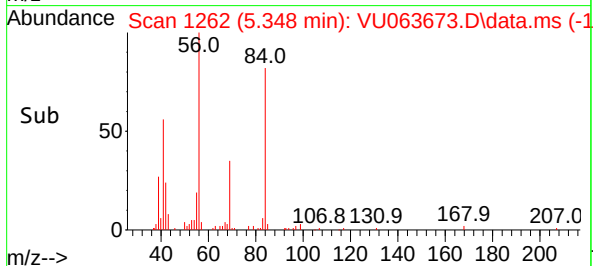
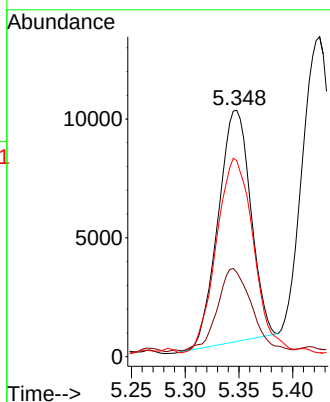
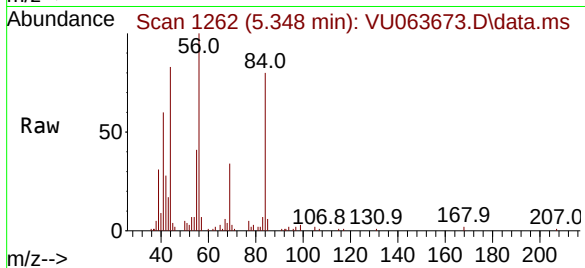
84 93.5 73.4 110.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#20

Methylcyclohexane

Concen: 0.776 ug/l

RT: 6.724 min Scan# 1690

Delta R.T. -0.000 min

Lab File: VU063673.D

Acq: 05 Nov 2025 15:27

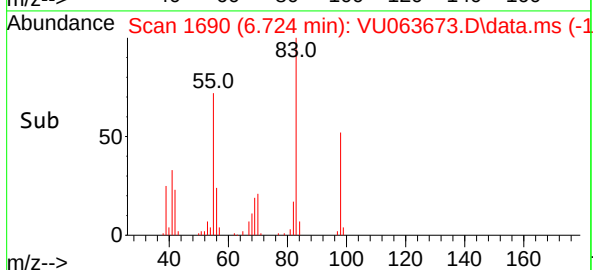
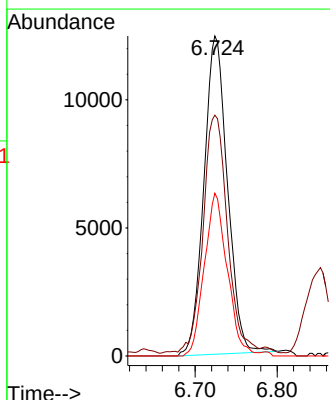
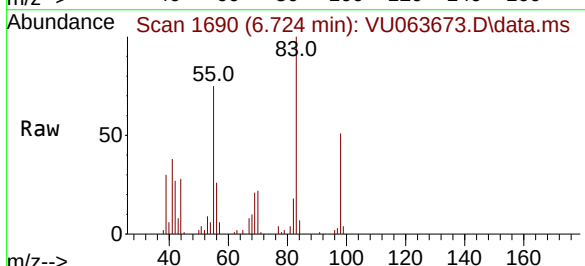
Tgt Ion: 83 Resp: 24818

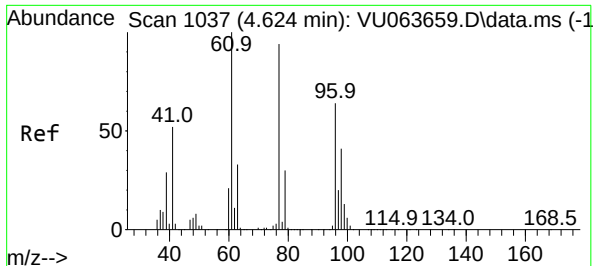
Ion Ratio Lower Upper

83 100

55 74.8 61.5 92.3

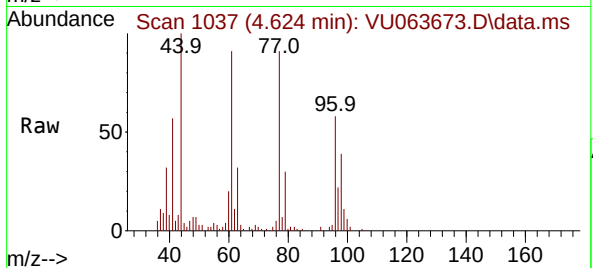
98 48.4 37.9 56.9





#21
2,2-Dichloropropane
Concen: 0.787 ug/l
RT: 4.624 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

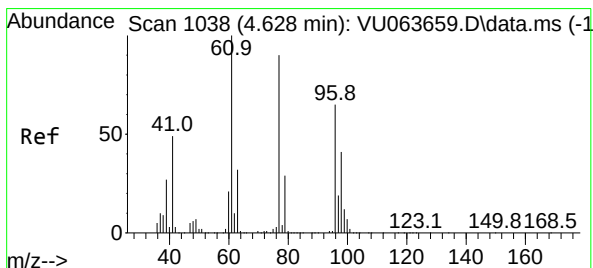
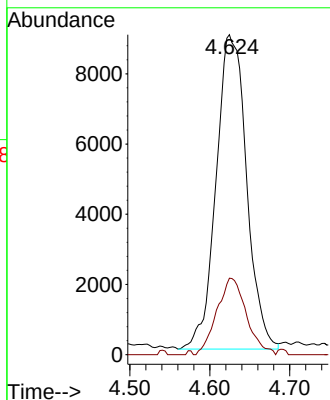
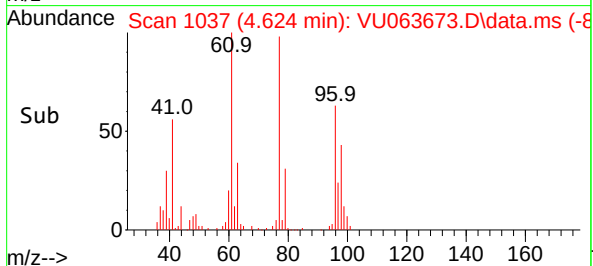
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



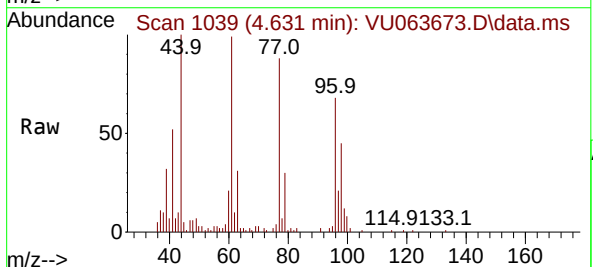
Tgt Ion: 77 Resp: 23730
Ion Ratio Lower Upper
77 100
97 23.5 17.1 25.7

Manual Integrations
APPROVED

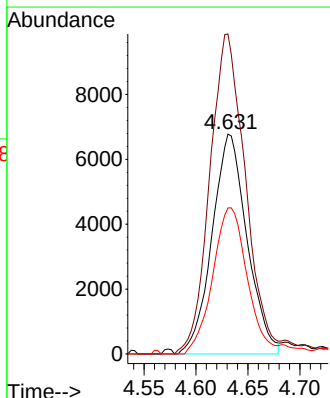
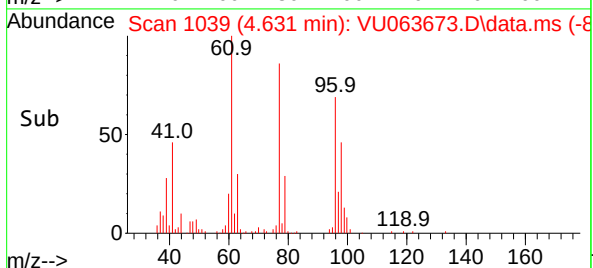
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

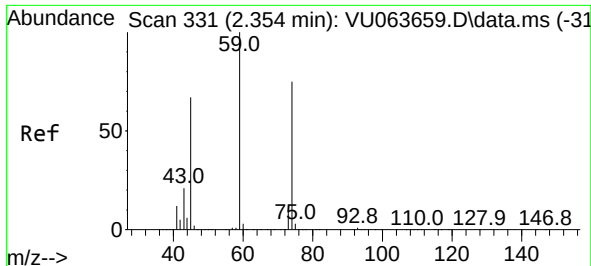


#22
cis-1,2-Dichloroethene
Concen: 0.822 ug/l
RT: 4.631 min Scan# 1039
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27



Tgt Ion: 96 Resp: 15877
Ion Ratio Lower Upper
96 100
61 147.5 0.0 385.0
98 65.3 31.3 93.9





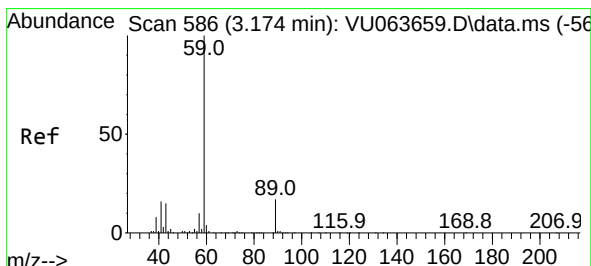
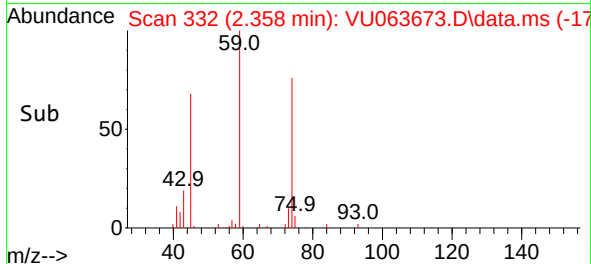
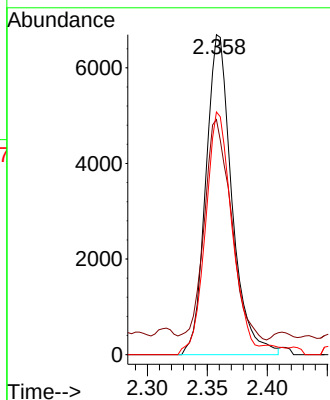
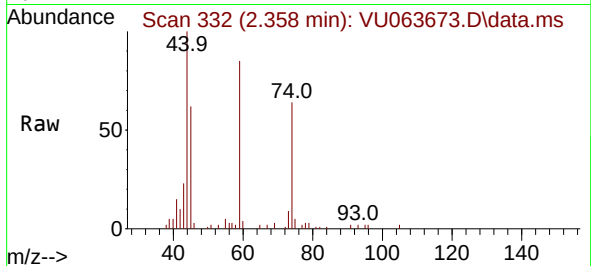
#23
Diethyl Ether
Concen: 0.803 ug/l
RT: 2.358 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 59 Resp: 10118
Ion Ratio Lower Upper
59 100
45 70.9 52.6 78.8
74 77.4 59.4 89.2

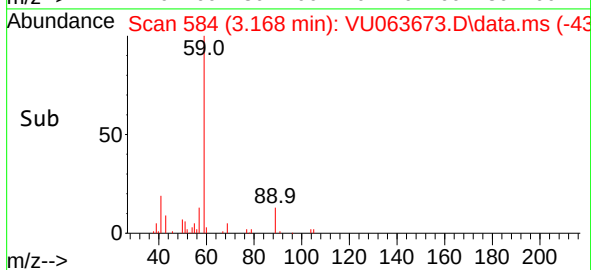
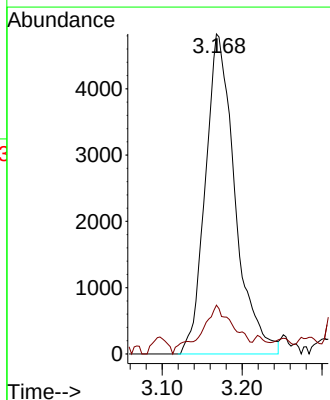
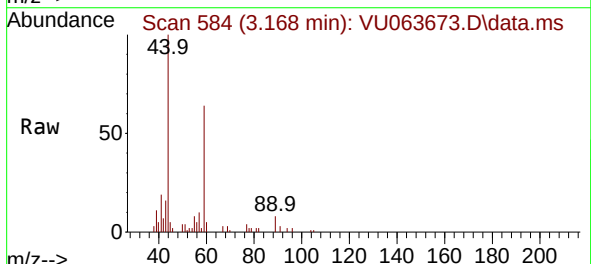
Manual Integrations
APPROVED

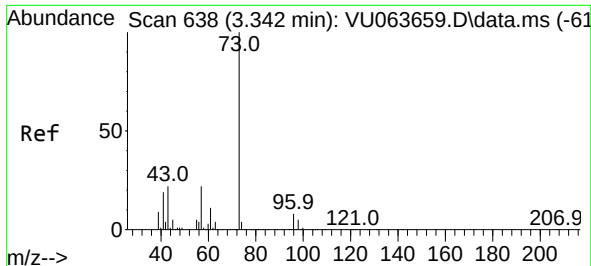
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#24
tert-Butyl Alcohol
Concen: 5.719 ug/l
RT: 3.168 min Scan# 584
Delta R.T. -0.007 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

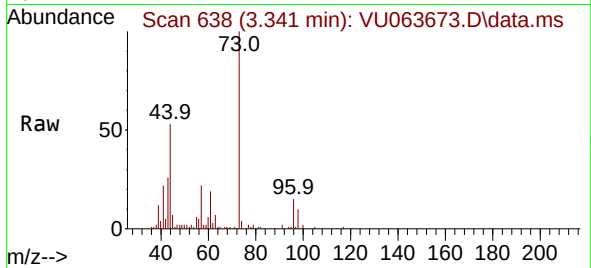
Tgt Ion: 59 Resp: 12426
Ion Ratio Lower Upper
59 100
57 17.1 7.2 10.8#





#25
Methyl tert-Butyl Ether
Concen: 0.804 ug/l
RT: 3.341 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

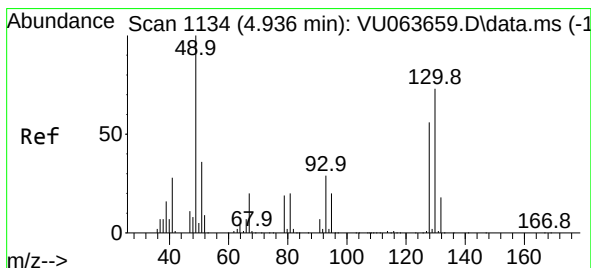
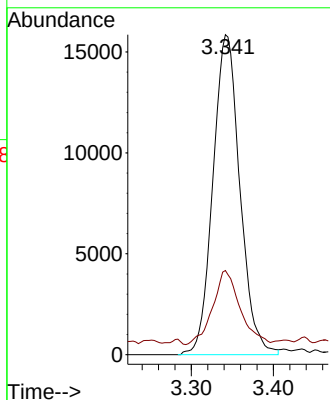
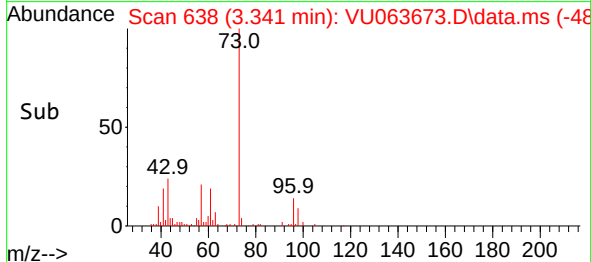
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 73 Resp: 3624
Ion Ratio Lower Upper
73 100
43 23.5 17.4 26.0

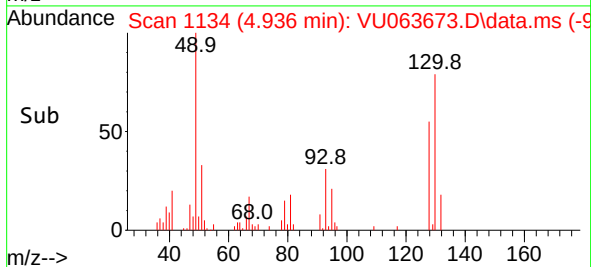
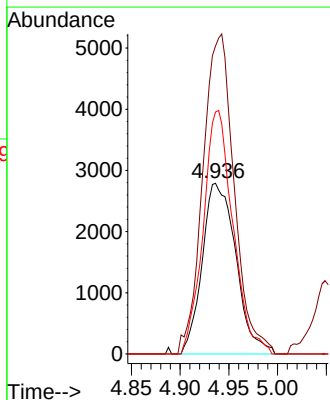
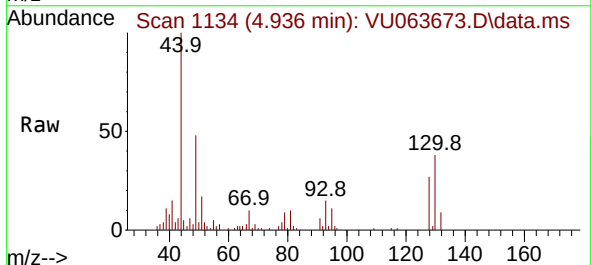
Manual Integrations
APPROVED

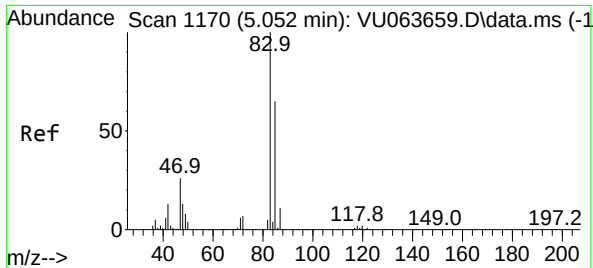
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#26
Bromochloromethane
Concen: 0.823 ug/l
RT: 4.936 min Scan# 1134
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Tgt Ion:128 Resp: 6707
Ion Ratio Lower Upper
128 100
49 174.6 0.0 349.6
130 126.3 102.7 154.1





#27

Chloroform

Concen: 0.846 ug/l

RT: 5.055 min Scan# 1170

Delta R.T. 0.003 min

Lab File: VU063673.D

Acq: 05 Nov 2025 15:27

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 83 Resp: 29078

Ion Ratio Lower Upper

83 100

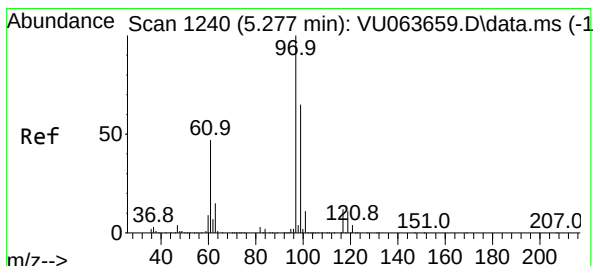
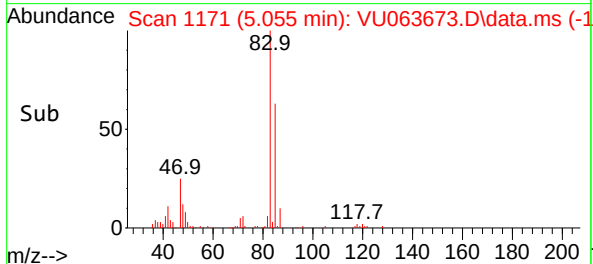
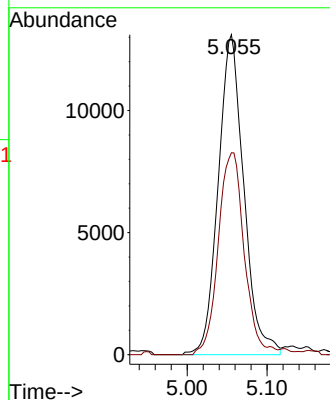
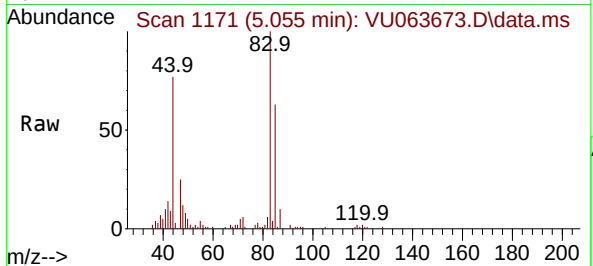
85 63.1 0.0 130.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#28

1,1,1-Trichloroethane

Concen: 0.773 ug/l

RT: 5.280 min Scan# 1241

Delta R.T. 0.003 min

Lab File: VU063673.D

Acq: 05 Nov 2025 15:27

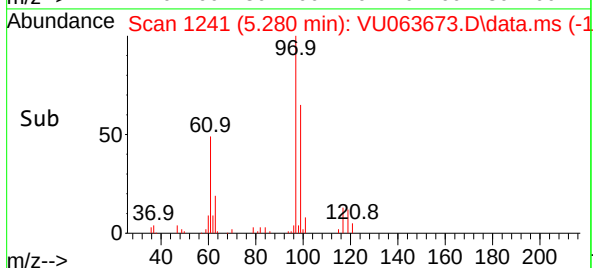
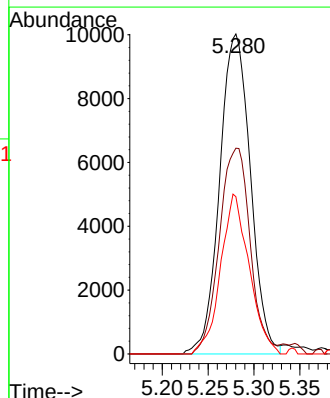
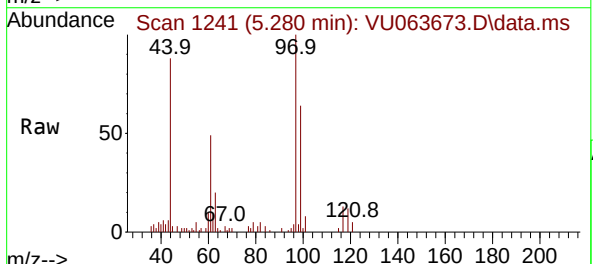
Tgt Ion: 97 Resp: 23438

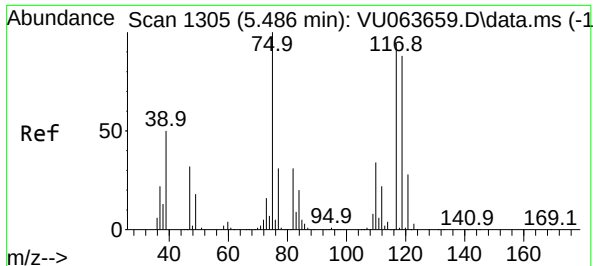
Ion Ratio Lower Upper

97 100

99 64.5 32.3 96.8

61 46.5 23.3 69.8





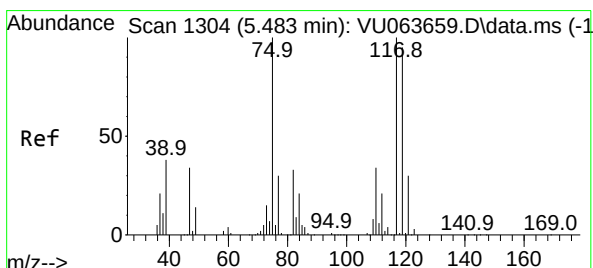
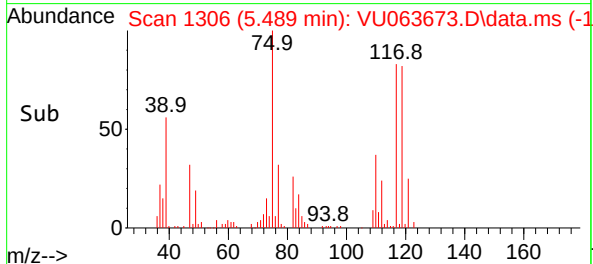
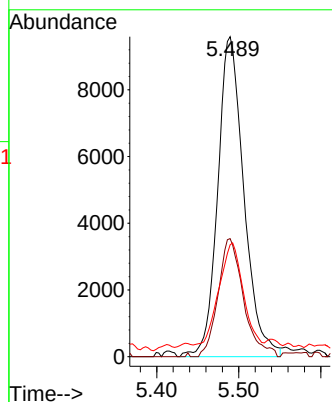
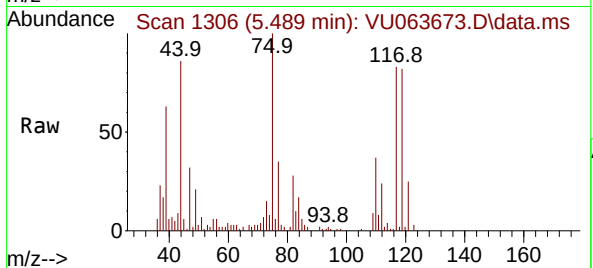
#29
1,1-Dichloropropene
Concen: 0.837 ug/l
RT: 5.489 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 75 Resp: 2129
Ion Ratio Lower Upper
75 100
110 35.7 17.2 51.5
77 28.4 24.5 36.7

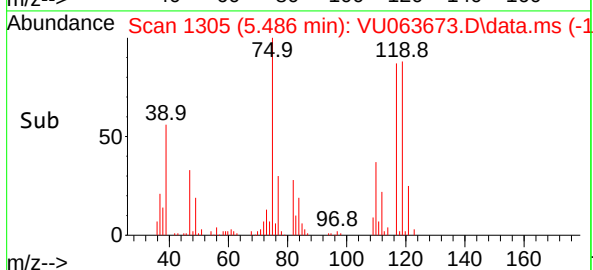
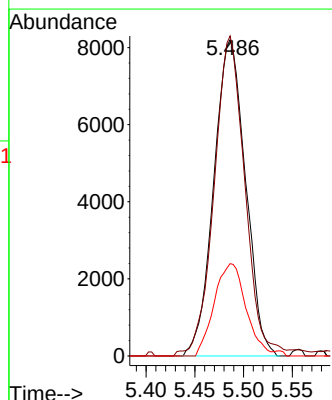
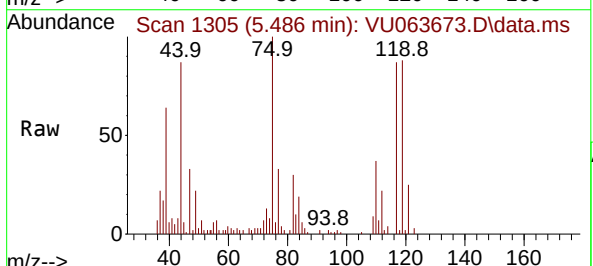
Manual Integrations
APPROVED

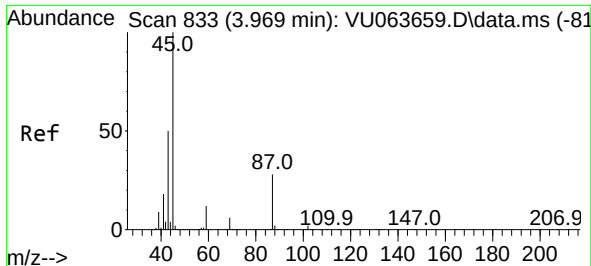
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#30
Carbon Tetrachloride
Concen: 0.773 ug/l
RT: 5.486 min Scan# 1305
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Tgt Ion:117 Resp: 18545
Ion Ratio Lower Upper
117 100
119 99.7 75.7 113.5
121 29.2 23.8 35.6





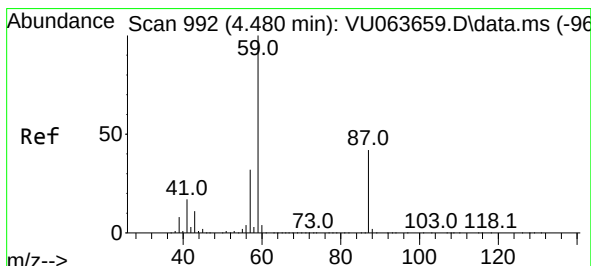
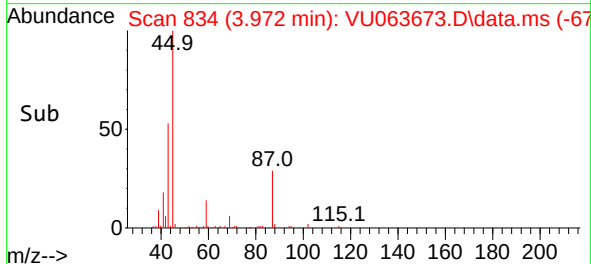
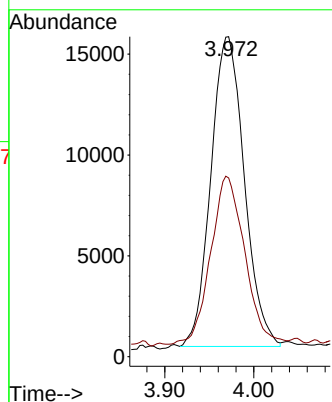
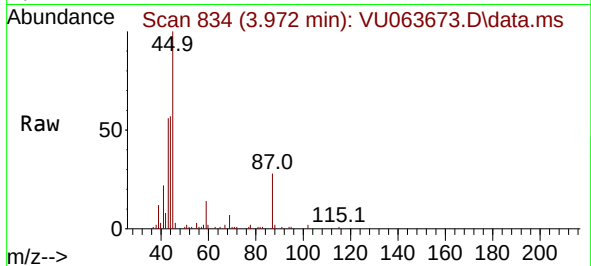
#31
Isopropyl Ether
Concen: 0.754 ug/l
RT: 3.972 min Scan# 811
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 45 Resp: 40115
Ion Ratio Lower Upper
45 100
43 54.9 25.3 75.9

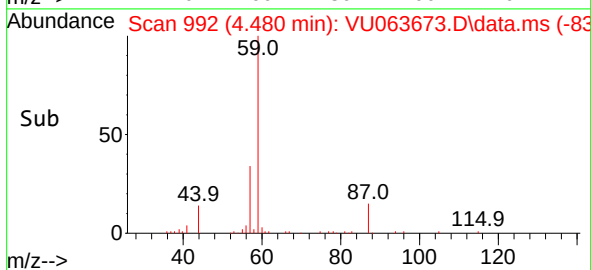
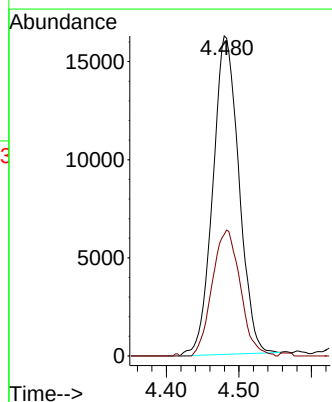
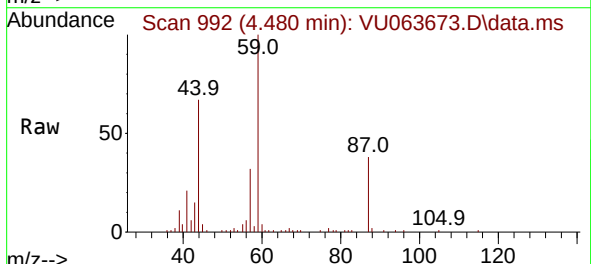
Manual Integrations
APPROVED

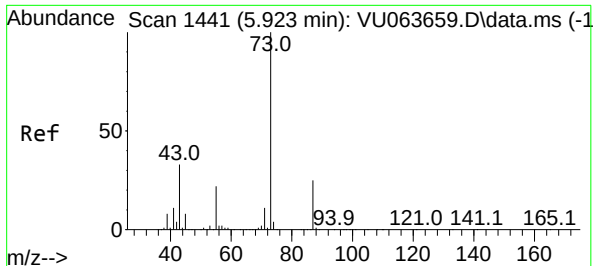
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#32
Ethyl-t-butyl ether
Concen: 0.791 ug/l
RT: 4.480 min Scan# 992
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

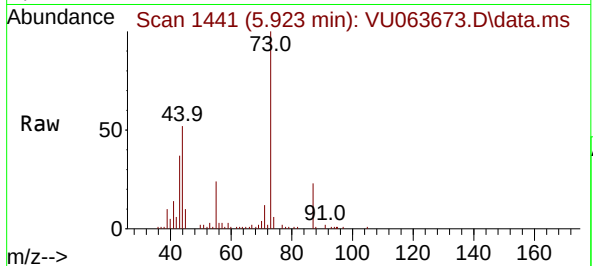
Tgt Ion: 59 Resp: 40551
Ion Ratio Lower Upper
59 100
87 42.5 33.0 49.6





#33
Tert-Amyl methyl ether
Concen: 0.810 ug/l
RT: 5.923 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

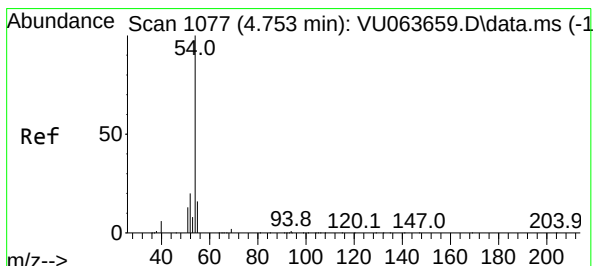
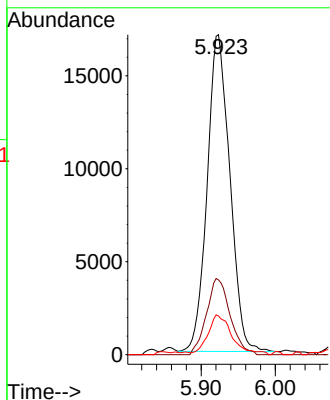
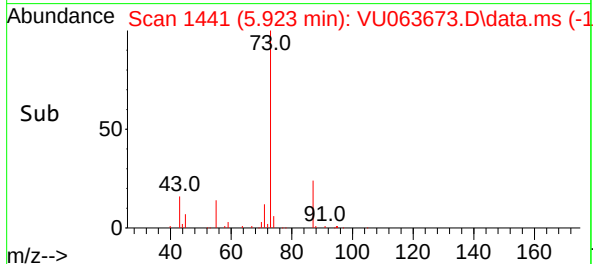
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



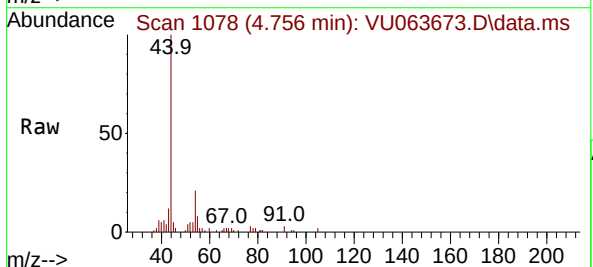
Tgt Ion: 73 Resp: 3615
Ion Ratio Lower Upper
73 100
87 25.0 20.0 30.0
71 12.4 9.0 13.4

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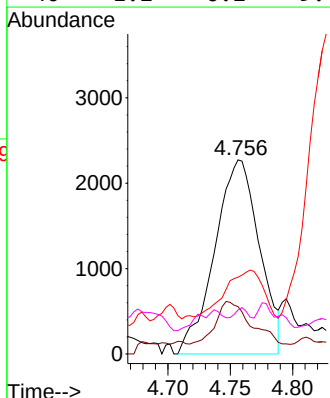
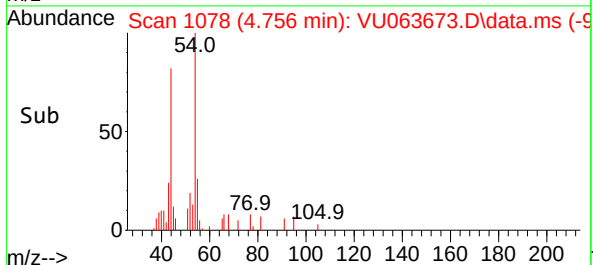
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

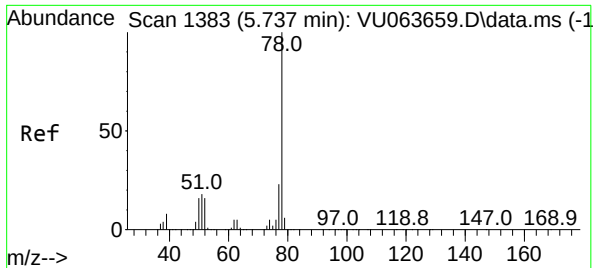


#34
Propionitrile
Concen: 4.056 ug/l
RT: 4.756 min Scan# 1078
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27



Tgt Ion: 54 Resp: 5651
Ion Ratio Lower Upper
54 100
52 0.0 15.8 23.6#
55 0.0 11.3 16.9#
40 1.2 6.2 9.4#





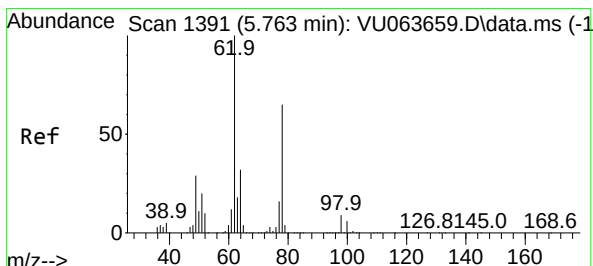
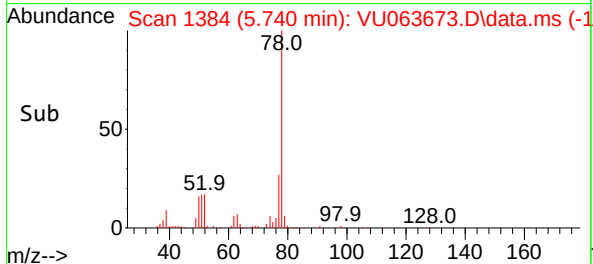
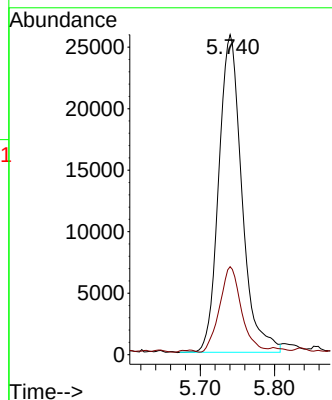
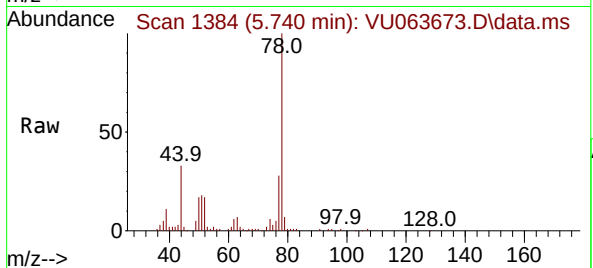
#35
Benzene
Concen: 0.779 ug/l
RT: 5.740 min Scan# 1384
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 78 Resp: 55919
Ion Ratio Lower Upper
78 100
77 26.5 18.3 27.5

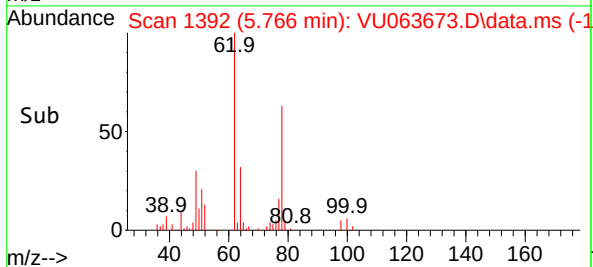
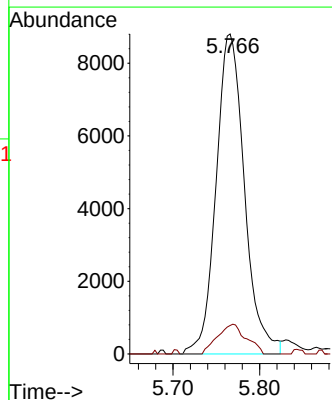
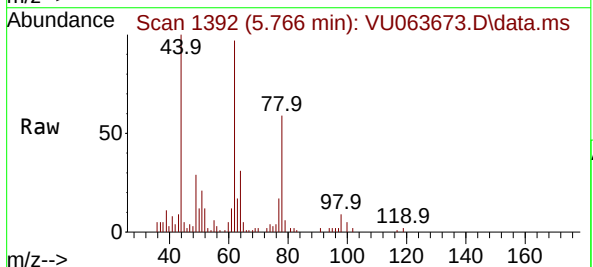
Manual Integrations
APPROVED

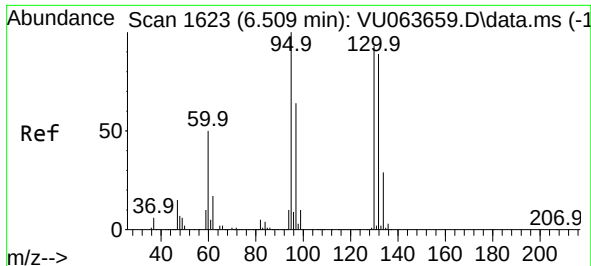
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#36
1,2-Dichloroethane
Concen: 0.870 ug/l
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Tgt Ion: 62 Resp: 20044
Ion Ratio Lower Upper
62 100
98 9.4 6.8 10.2





#37

Trichloroethene

Concen: 0.778 ug/l

RT: 6.512 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063673.D

Acq: 05 Nov 2025 15:27

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

Tgt Ion:130 Resp: 1591

Ion Ratio Lower Upper

130 100

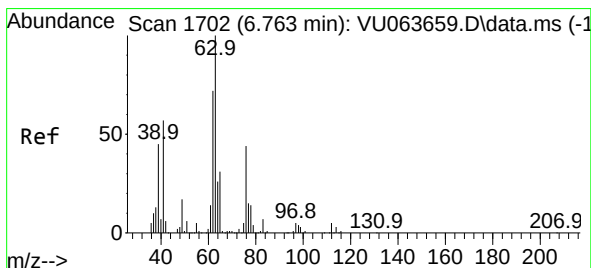
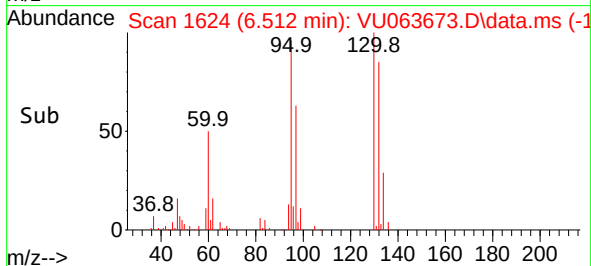
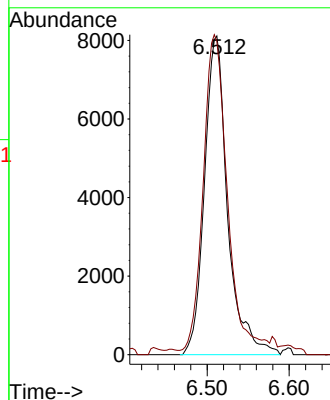
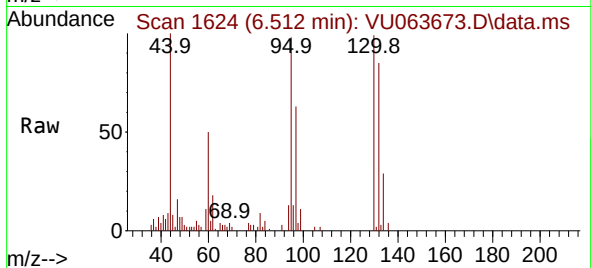
95 97.0 86.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#38

1,2-Dichloropropane

Concen: 0.737 ug/l

RT: 6.763 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VU063673.D

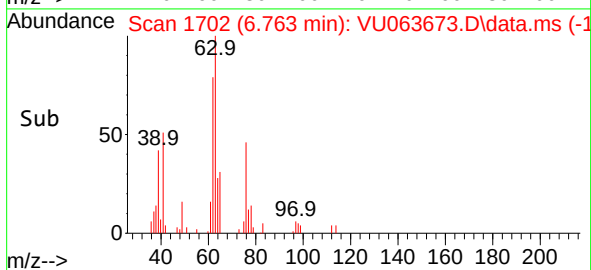
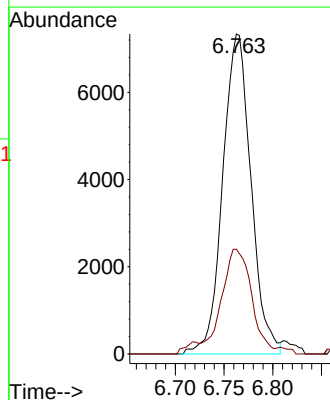
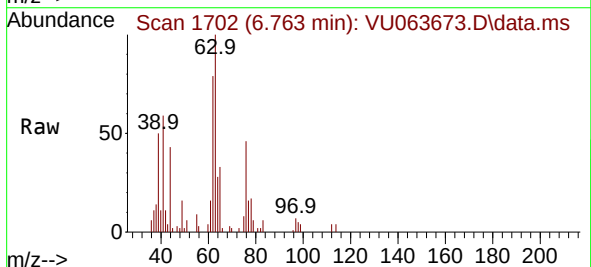
Acq: 05 Nov 2025 15:27

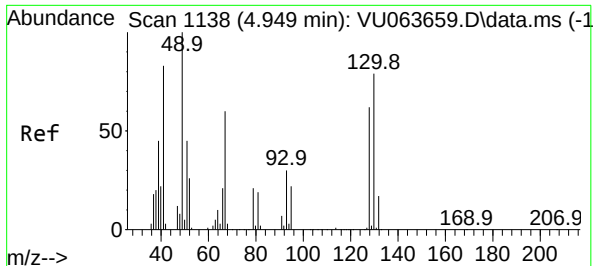
Tgt Ion: 63 Resp: 14802

Ion Ratio Lower Upper

63 100

65 31.2 24.5 36.7





#39

Methacrylonitrile

Concen: 0.684 ug/l

RT: 4.956 min Scan# 1138

Delta R.T. 0.006 min

Lab File: VU063673.D

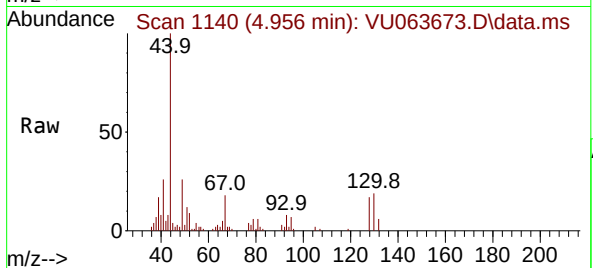
Acq: 05 Nov 2025 15:27

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 41 Resp: 474

Ion Ratio Lower Upper

41 100

67 99.8 61.4 92.2

39 68.4 46.5 69.7

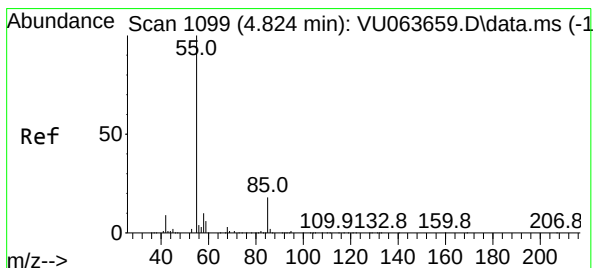
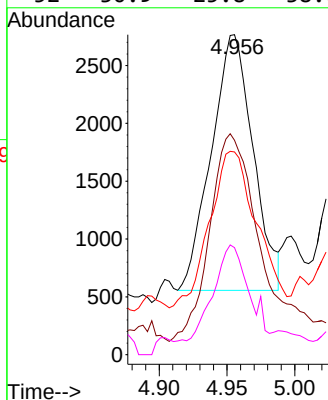
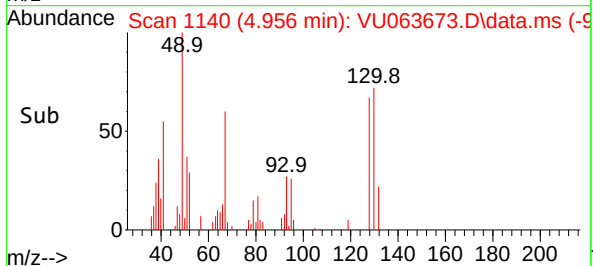
52 30.9 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#40

Methyl acrylate

Concen: 0.776 ug/l

RT: 4.827 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VU063673.D

Acq: 05 Nov 2025 15:27

Tgt Ion: 55 Resp: 7816

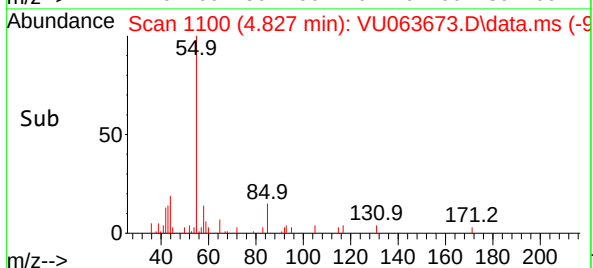
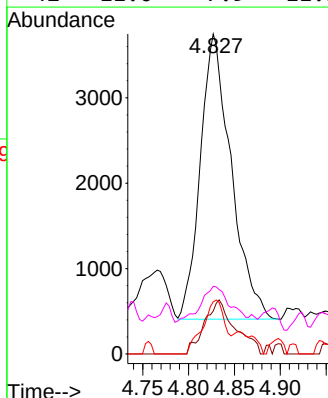
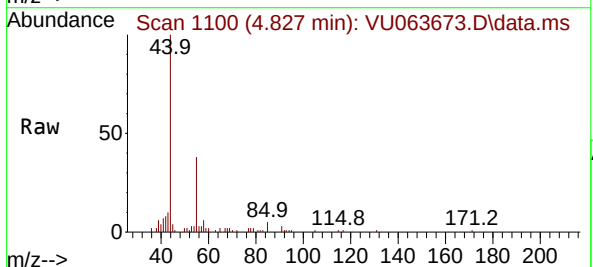
Ion Ratio Lower Upper

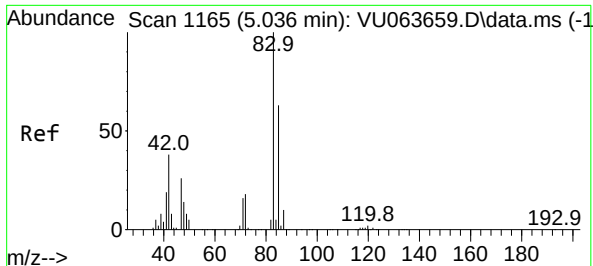
55 100

85 18.7 15.3 22.9

58 13.5 7.7 11.5#

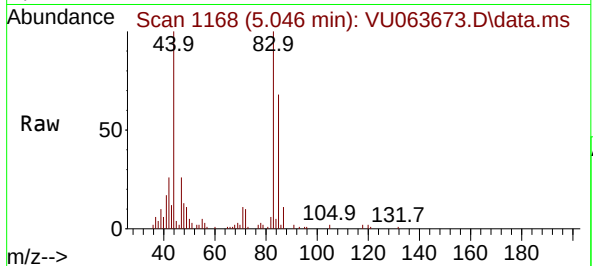
42 11.0 7.9 11.9





#41
Tetrahydrofuran
Concen: 1.616 ug/l
RT: 5.046 min Scan# 1165
Delta R.T. 0.010 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

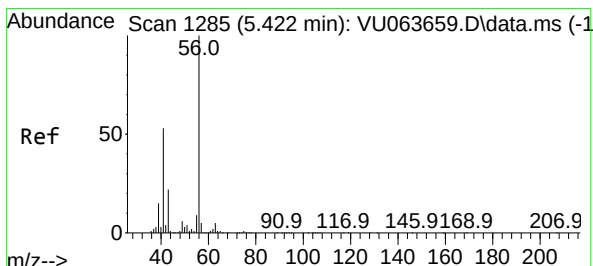
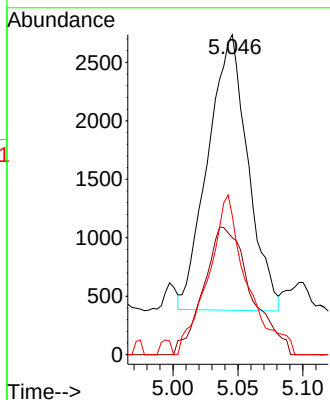
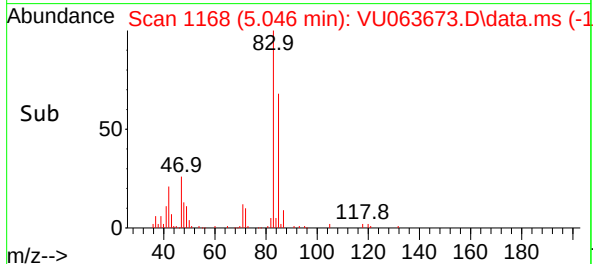
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



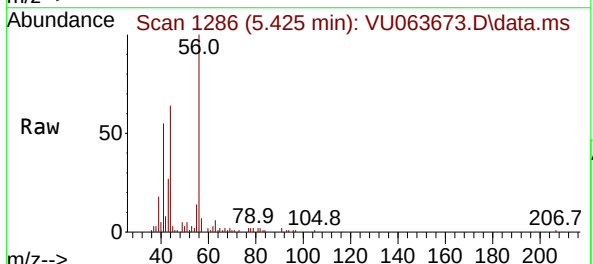
Tgt Ion: 42 Resp: 504
Ion Ratio Lower Upper
42 100
72 54.8 40.5 60.7
71 55.9 35.0 52.6

Manual Integrations
APPROVED

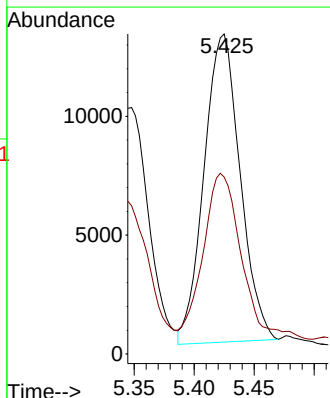
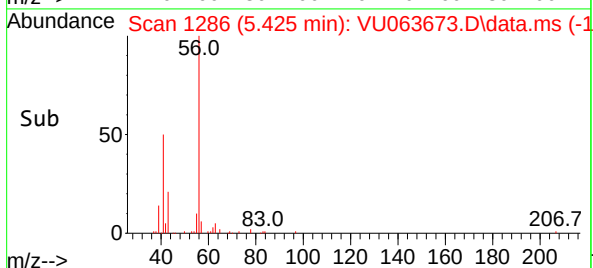
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

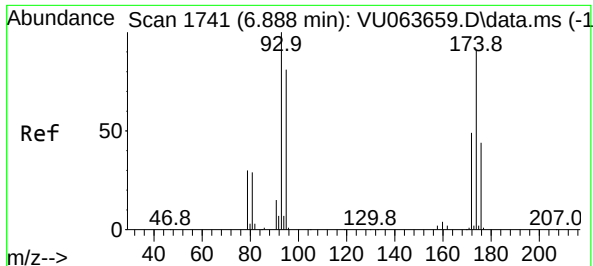


#42
1-Chlorobutane
Concen: 0.797 ug/l
RT: 5.425 min Scan# 1286
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27



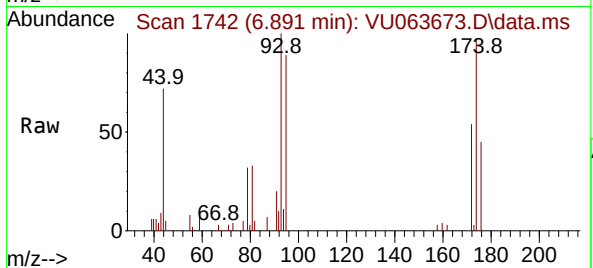
Tgt Ion: 56 Resp: 27176
Ion Ratio Lower Upper
56 100
41 57.1 25.9 77.6





#43
Dibromomethane
Concen: 0.788 ug/l
RT: 6.891 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

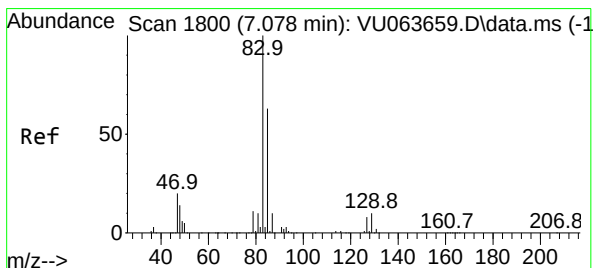
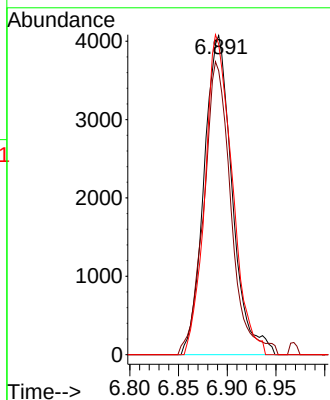
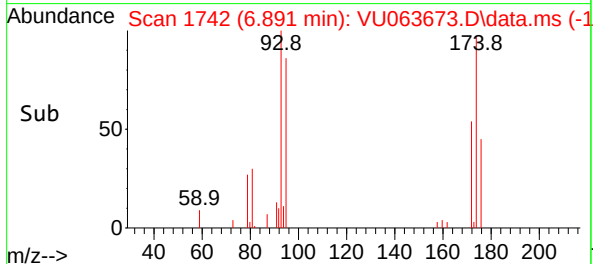
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



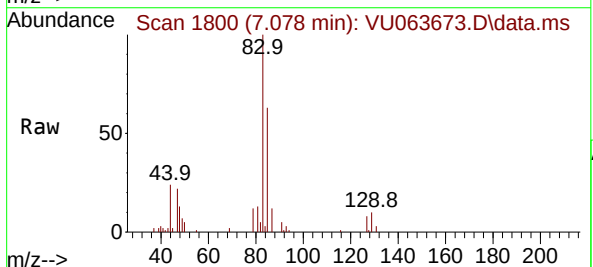
Tgt Ion: 93 Resp: 8184
Ion Ratio Lower Upper
93 100
95 88.6 64.6 97.0
174 96.8 73.8 110.8

Manual Integrations
APPROVED

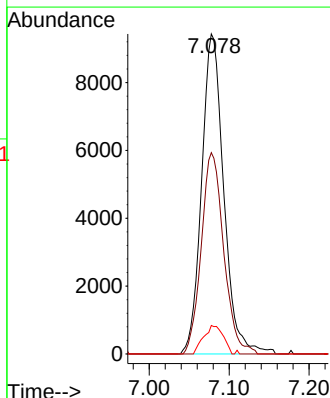
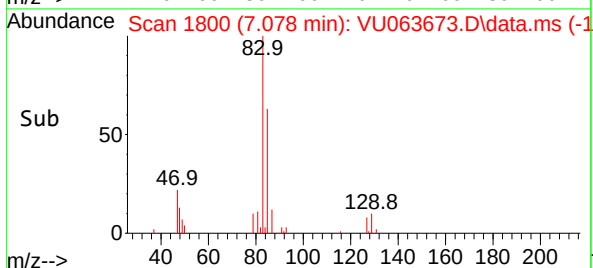
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

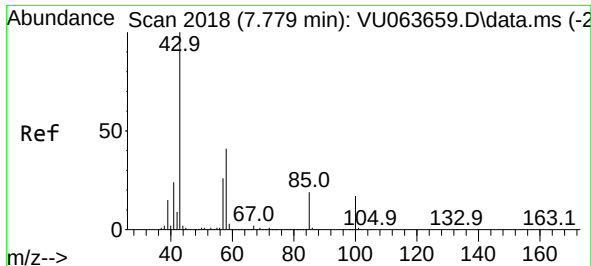


#44
Bromodichloromethane
Concen: 0.716 ug/l
RT: 7.078 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27



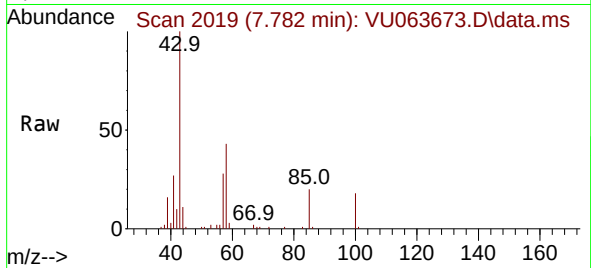
Tgt Ion: 83 Resp: 18177
Ion Ratio Lower Upper
83 100
85 62.9 50.5 75.7
127 8.9 6.4 9.6





#45
4-Methyl-2-Pentanone
Concen: 3.502 ug/l
RT: 7.782 min Scan# 2018
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

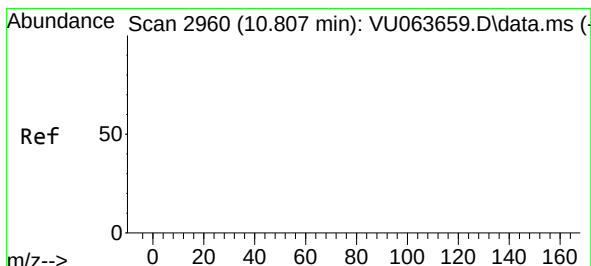
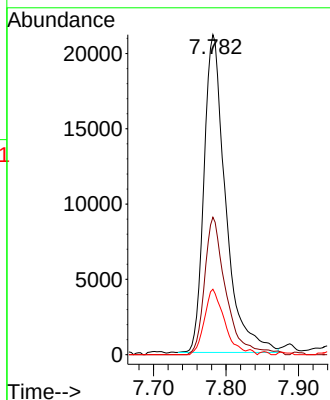
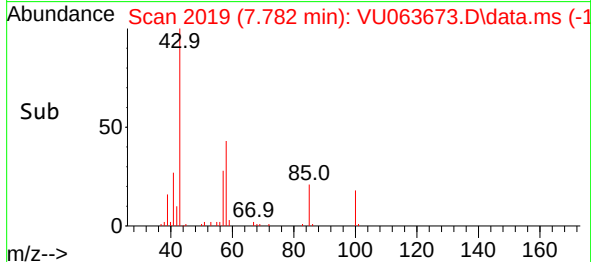
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 43 Resp: 4386
Ion Ratio Lower Upper
43 100
58 42.7 20.2 60.5
85 18.9 15.0 22.6

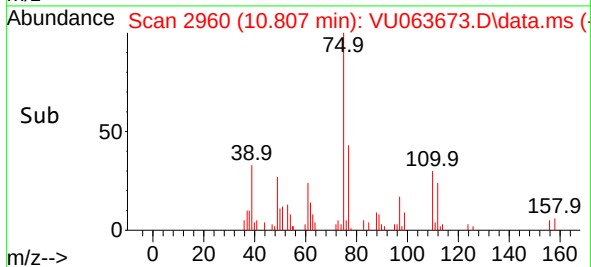
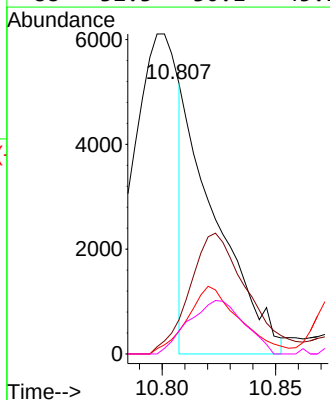
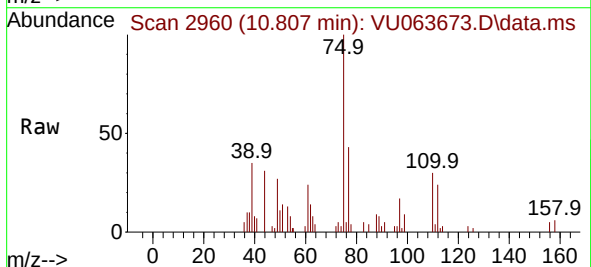
Manual Integrations
APPROVED

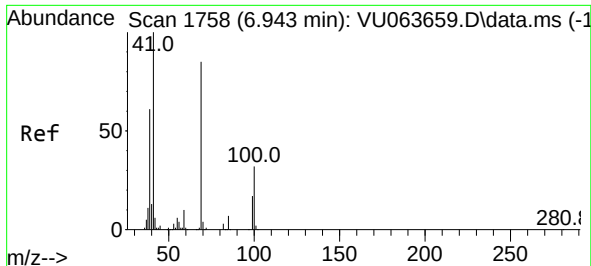
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#46
t-1,4-Dichloro-2-butene
Concen: 1.235 ug/l m
RT: 10.807 min Scan# 2960
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

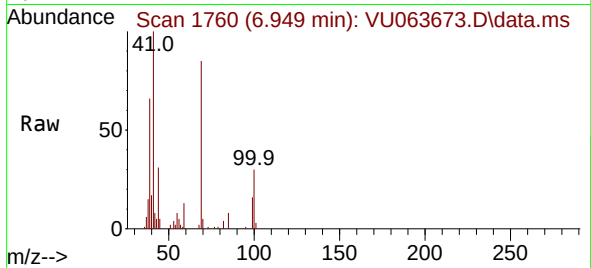
Tgt Ion: 75 Resp: 5366
Ion Ratio Lower Upper
75 100
53 76.5 57.2 85.8
89 38.7 37.9 56.9
88 32.3 30.1 45.1





#47
Methyl methacrylate
Concen: 1.555 ug/l
RT: 6.949 min Scan# 1758
Delta R.T. 0.006 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

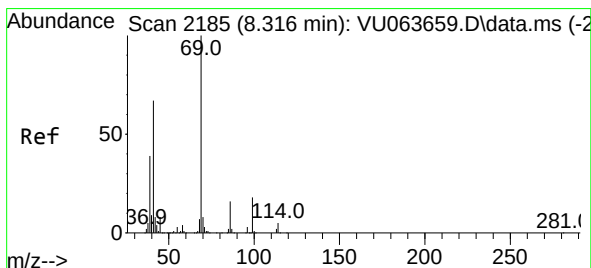
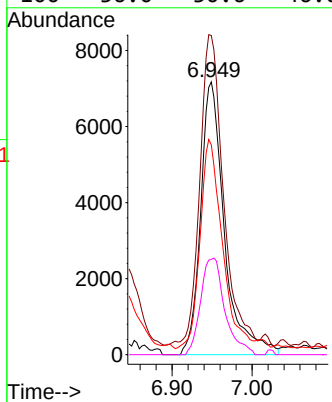
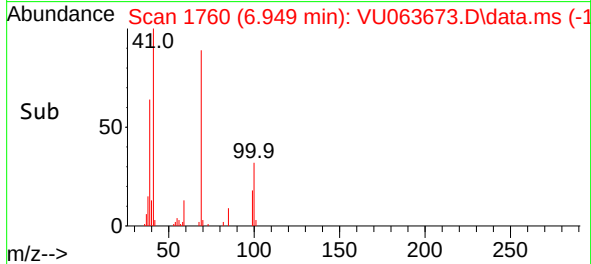
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 69 Resp: 1486
Ion Ratio Lower Upper
69 100
41 111.8 0.0 228.2
39 71.6 56.2 84.4
100 36.0 30.6 46.0

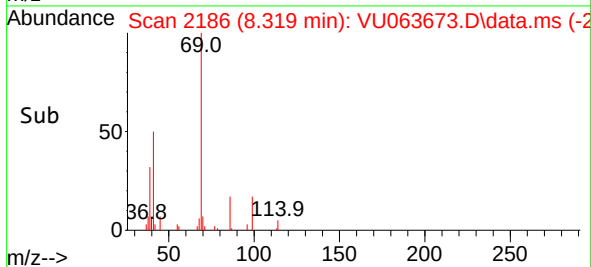
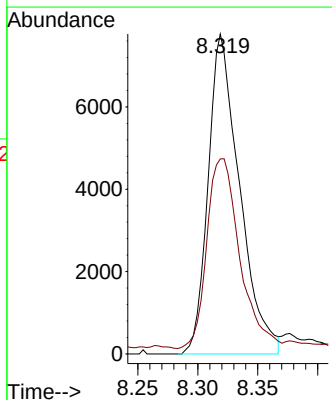
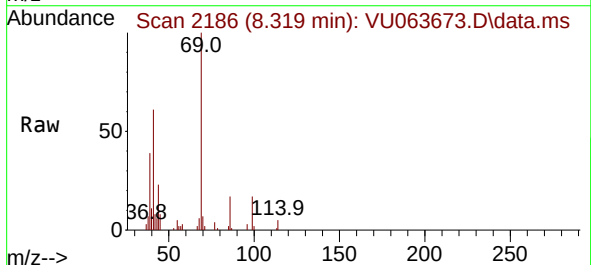
Manual Integrations
APPROVED

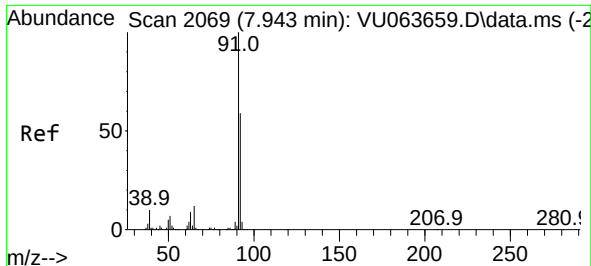
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#48
Ethyl methacrylate
Concen: 0.728 ug/l
RT: 8.319 min Scan# 2186
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

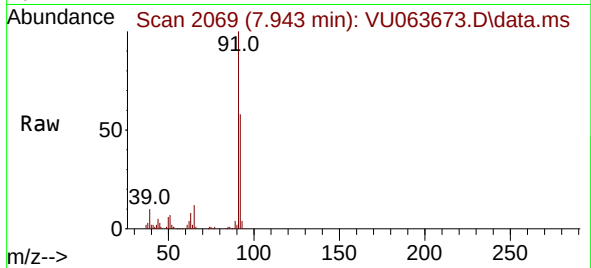
Tgt Ion: 69 Resp: 14143
Ion Ratio Lower Upper
69 100
41 62.2 32.8 98.3





#49
Toluene
Concen: 0.771 ug/l
RT: 7.943 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

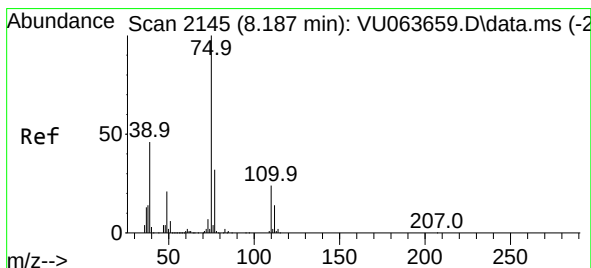
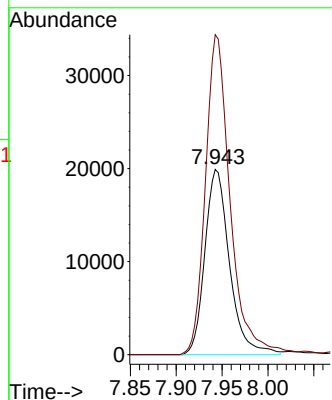
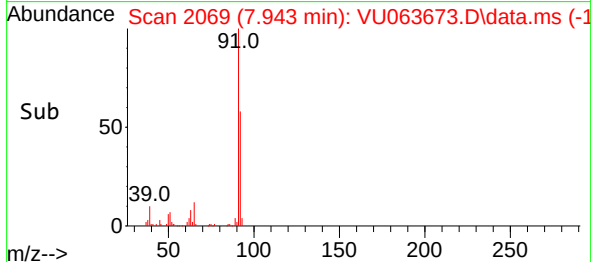
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 92 Resp: 37294
Ion Ratio Lower Upper
92 100
91 173.0 136.8 205.2

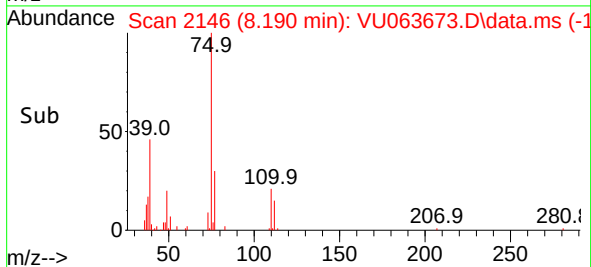
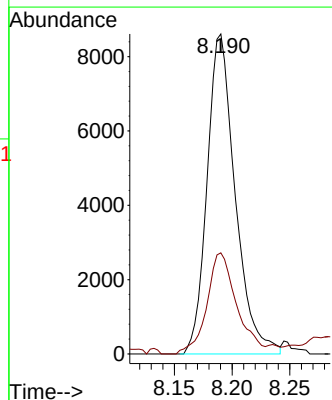
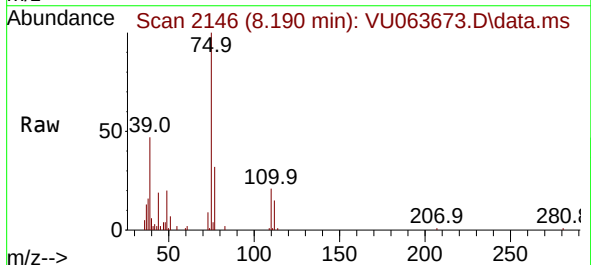
Manual Integrations
APPROVED

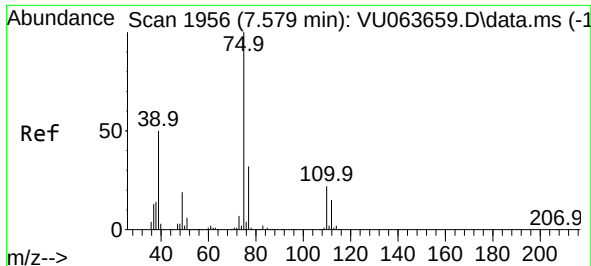
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#50
t-1,3-Dichloropropene
Concen: 0.660 ug/l
RT: 8.190 min Scan# 2146
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

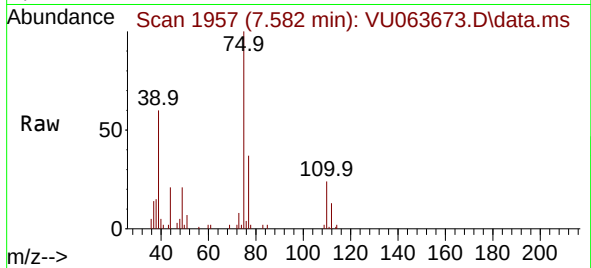
Tgt Ion: 75 Resp: 14566
Ion Ratio Lower Upper
75 100
77 30.5 25.8 38.6





#51
 cis-1,3-Dichloropropene
 Concen: 0.666 ug/l
 RT: 7.582 min Scan# 1956
 Delta R.T. 0.003 min
 Lab File: VU063673.D
 Acq: 05 Nov 2025 15:27

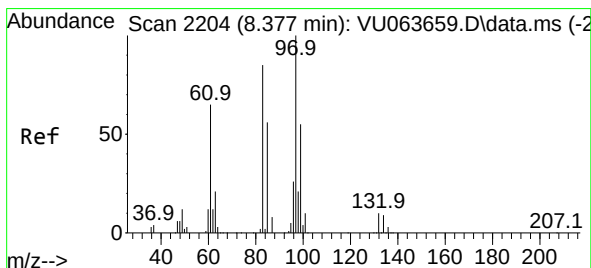
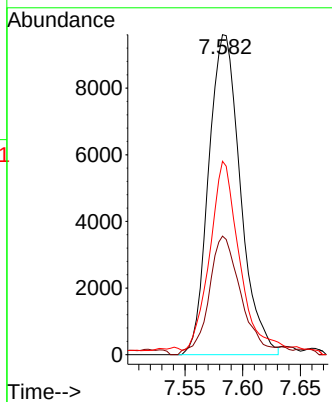
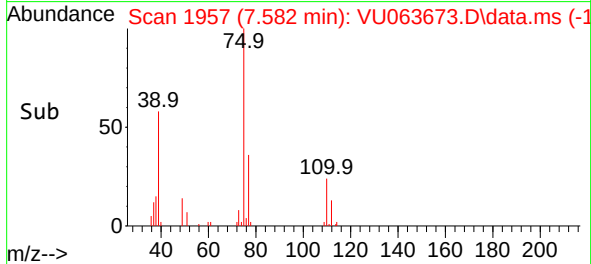
Instrument : MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 75	Resp: 18389
Ion Ratio	Lower Upper
75	100
77	37.0 25.5 38.3
39	58.4 39.9 59.9

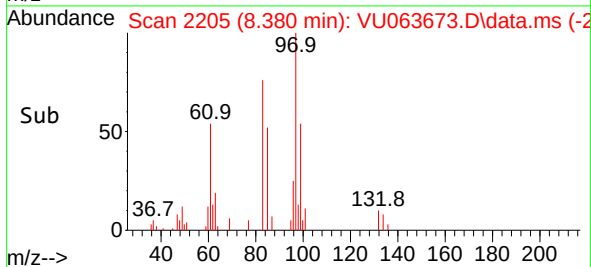
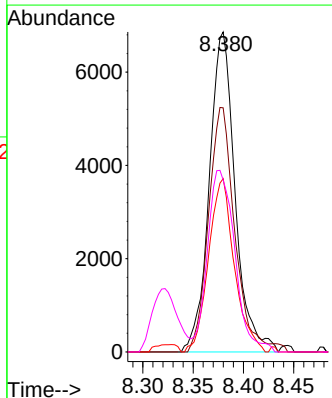
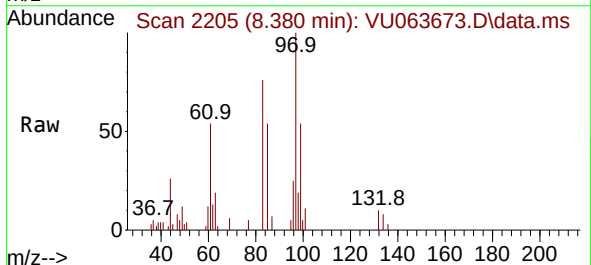
Manual Integrations
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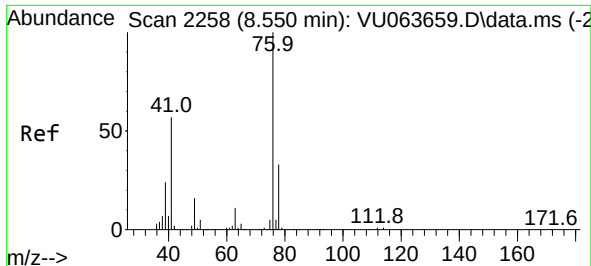
Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025



#52
 1,1,2-Trichloroethane
 Concen: 0.869 ug/l
 RT: 8.380 min Scan# 2205
 Delta R.T. 0.003 min
 Lab File: VU063673.D
 Acq: 05 Nov 2025 15:27

Tgt Ion: 97	Resp: 12266
Ion Ratio	Lower Upper
97	100
83	76.3 68.3 102.5
85	54.2 45.3 67.9
99	53.7 49.7 74.5





#53

1,3-Dichloropropane

Concen: 0.810 ug/l

RT: 8.553 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063673.D

Acq: 05 Nov 2025 15:27

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 76 Resp: 2042

Ion Ratio Lower Upper

76 100

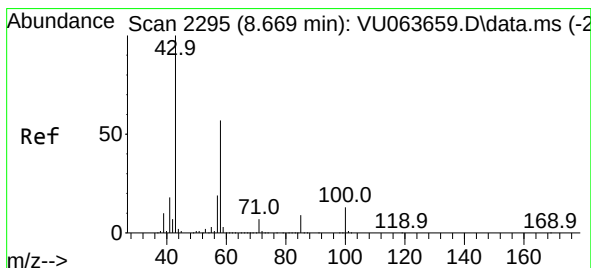
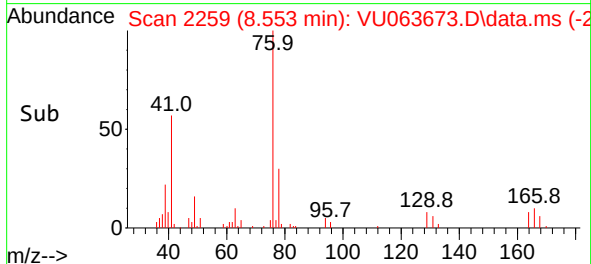
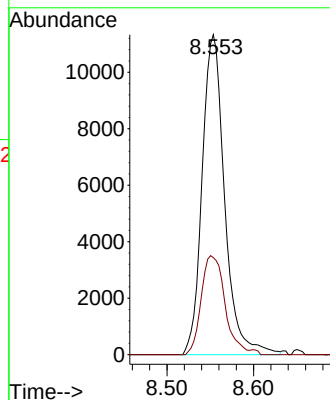
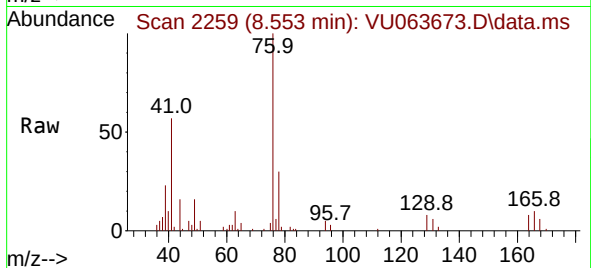
78 32.6 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#54

2-Hexanone

Concen: 3.183 ug/l

RT: 8.679 min Scan# 2298

Delta R.T. 0.010 min

Lab File: VU063673.D

Acq: 05 Nov 2025 15:27

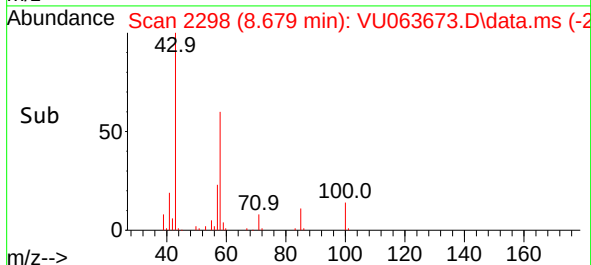
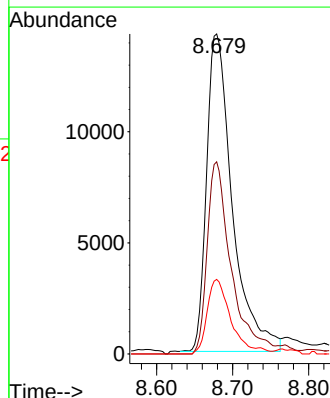
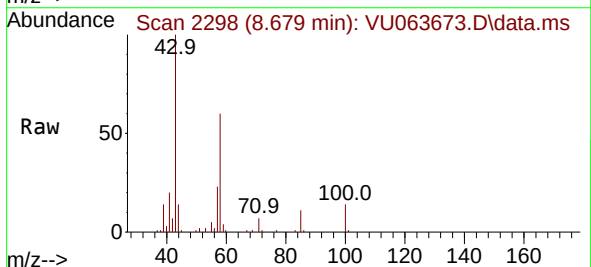
Tgt Ion: 43 Resp: 33661

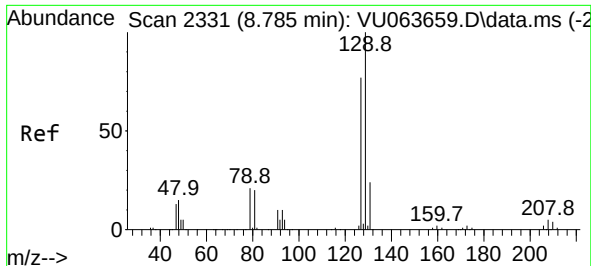
Ion Ratio Lower Upper

43 100

58 56.2 36.3 76.3

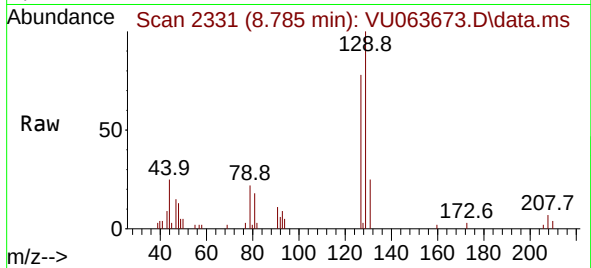
57 21.0 0.0 39.7





#55
Dibromochloromethane
Concen: 0.651 ug/l
RT: 8.785 min Scan# 2129
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

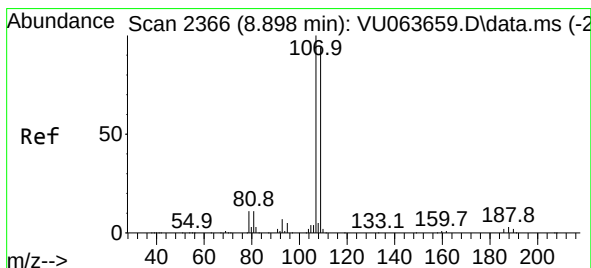
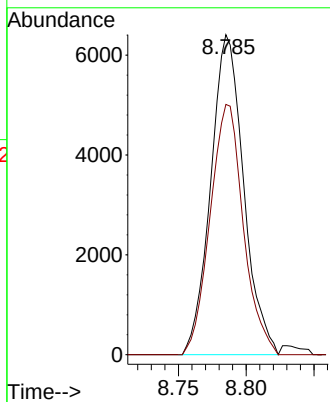
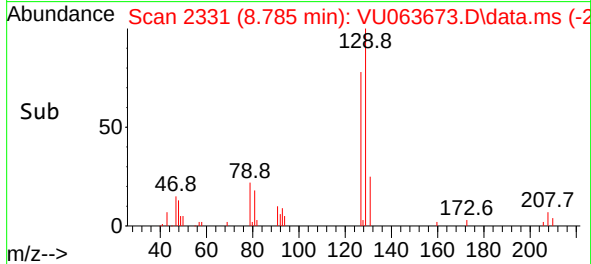
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



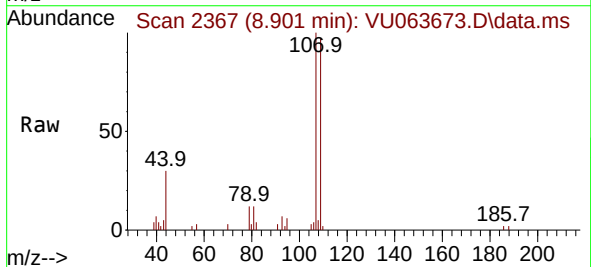
Tgt Ion:129 Resp: 1082
Ion Ratio Lower Upper
129 100
127 78.9 61.4 92.0

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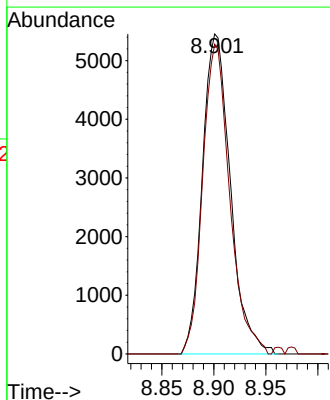
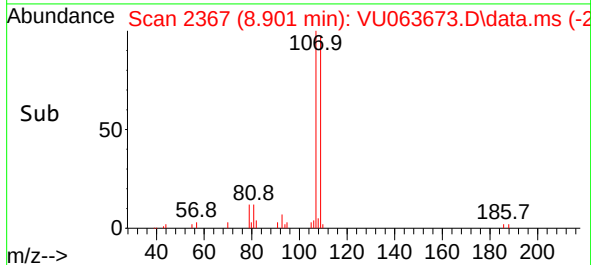
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

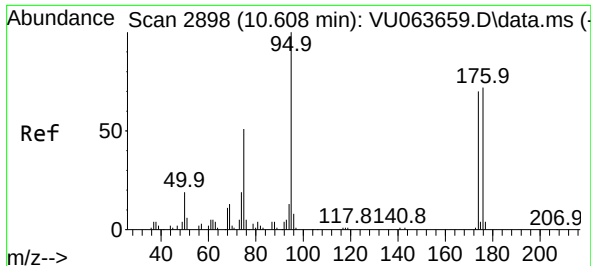


#56
1,2-Dibromoethane
Concen: 0.758 ug/l
RT: 8.901 min Scan# 2367
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27



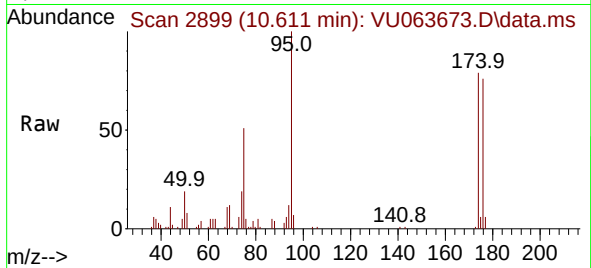
Tgt Ion:107 Resp: 10181
Ion Ratio Lower Upper
107 100
109 93.6 0.0 188.0





#57
4-Bromofluorobenzene
Concen: 0.891 ug/l
RT: 10.611 min Scan# 2899
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

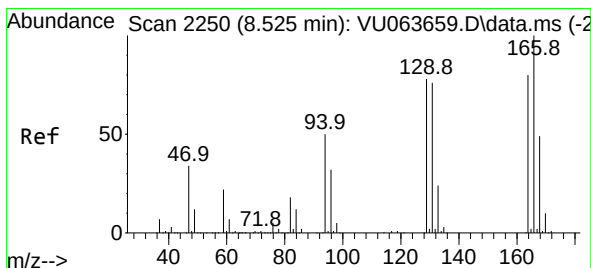
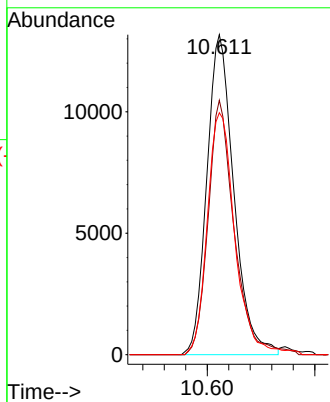
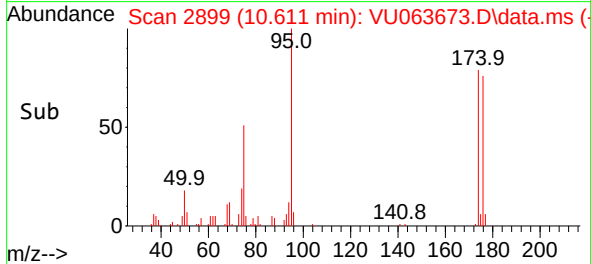
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 95 Resp: 22998
Ion Ratio Lower Upper
95 100
174 76.9 59.9 89.9
176 76.7 58.8 88.2

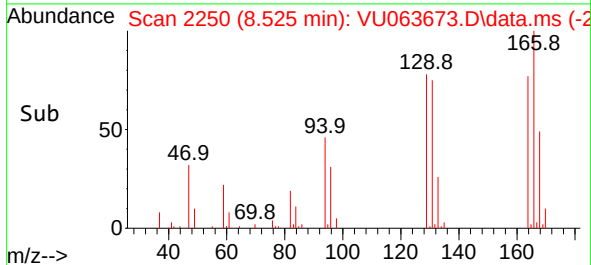
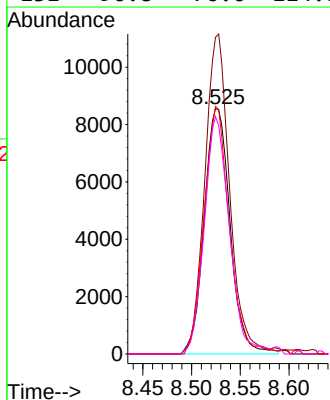
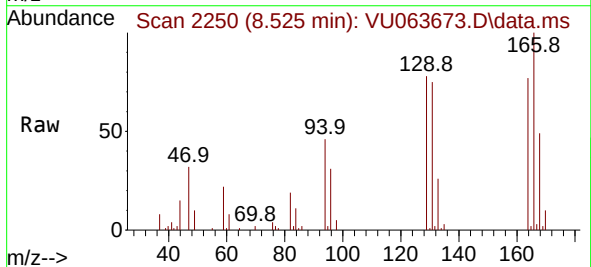
Manual Integrations
APPROVED

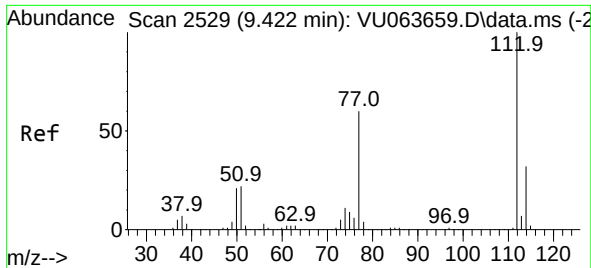
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#58
Tetrachloroethene
Concen: 0.791 ug/l
RT: 8.525 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

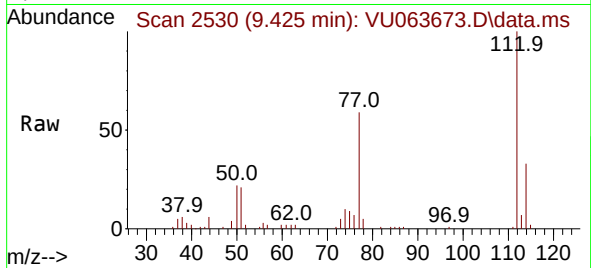
Tgt Ion:164 Resp: 15828
Ion Ratio Lower Upper
164 100
166 129.1 100.1 150.1
129 100.9 77.6 116.4
131 96.8 76.6 114.8





#59
Chlorobenzene
Concen: 0.767 ug/l
RT: 9.425 min Scan# 2530
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

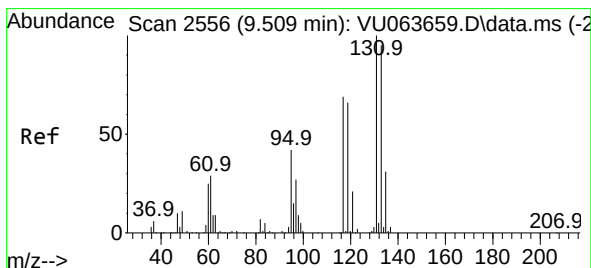
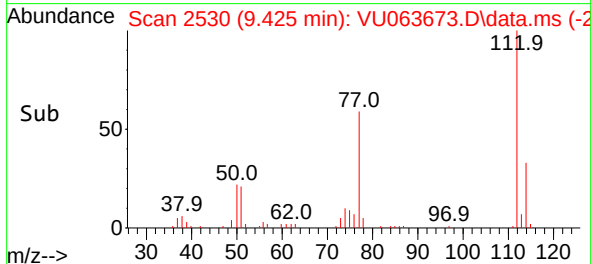
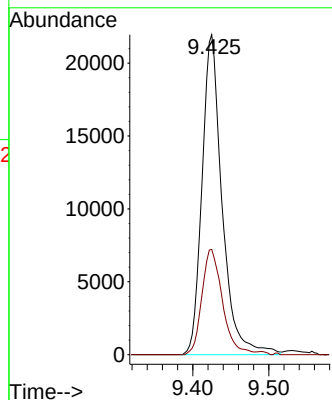
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion:112 Resp: 40268
Ion Ratio Lower Upper
112 100
114 32.9 26.0 39.0

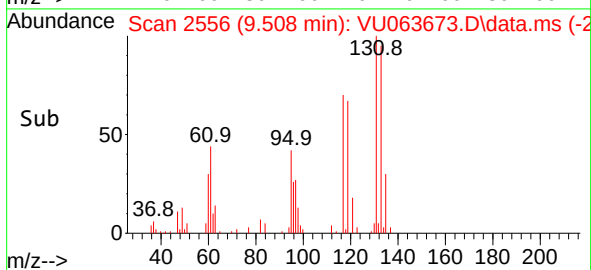
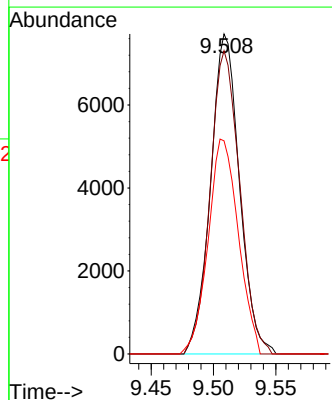
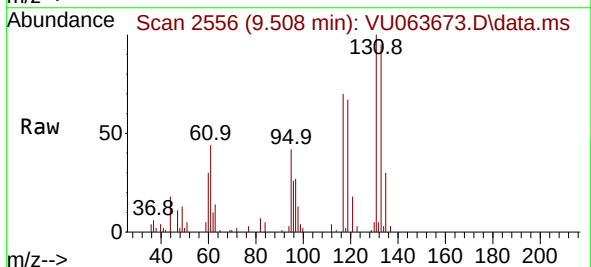
Manual Integrations
APPROVED

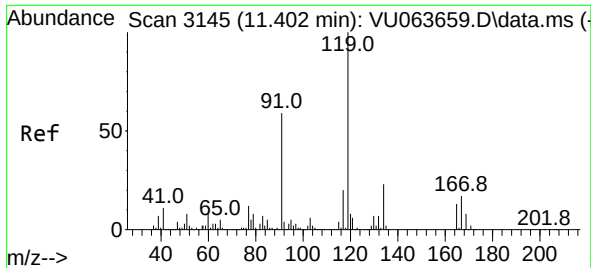
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#60
1,1,1,2-Tetrachloroethane
Concen: 0.678 ug/l
RT: 9.508 min Scan# 2556
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

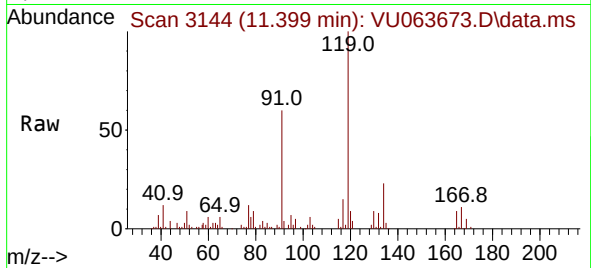
Tgt Ion:131 Resp: 12459
Ion Ratio Lower Upper
131 100
133 96.8 77.0 115.6
119 70.0 52.8 79.2





#61
Pentachloroethane
Concen: 0.672 ug/l
RT: 11.399 min Scan# 3145
Delta R.T. -0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

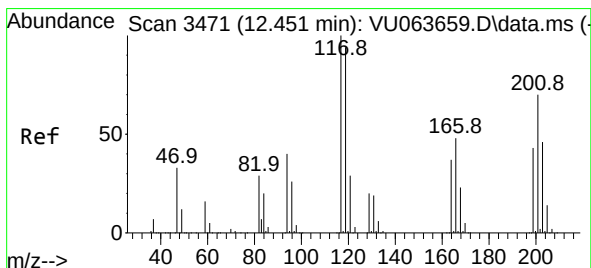
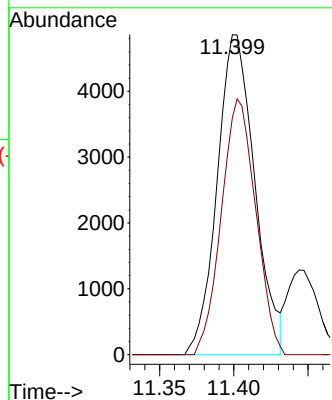
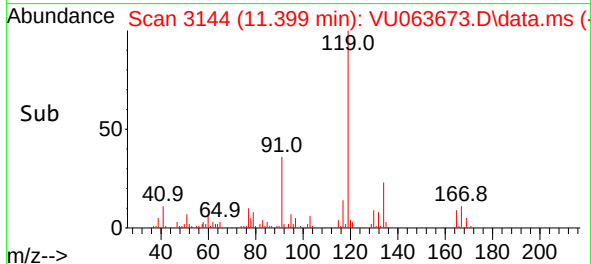
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion:117 Resp: 856
Ion Ratio Lower Upper
117 100
167 73.1 62.8 94.2

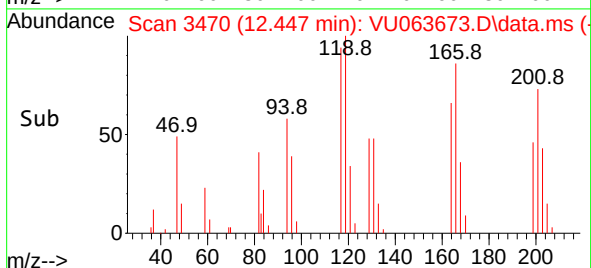
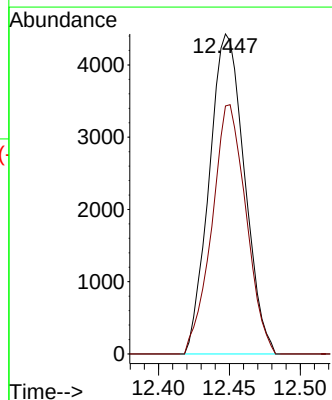
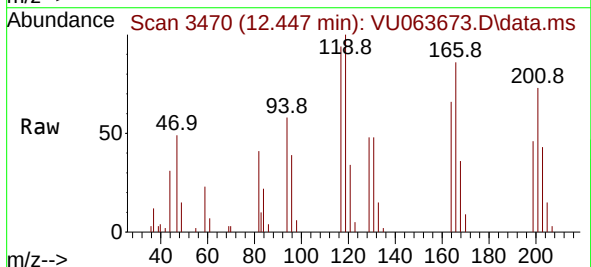
Manual Integrations
APPROVED

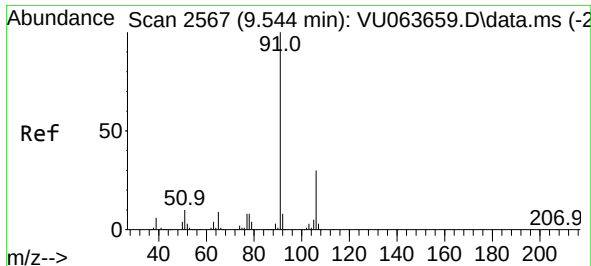
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#62
Hexachloroethane
Concen: 0.550 ug/l
RT: 12.447 min Scan# 3470
Delta R.T. -0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Tgt Ion:117 Resp: 7682
Ion Ratio Lower Upper
117 100
201 75.3 56.3 84.5





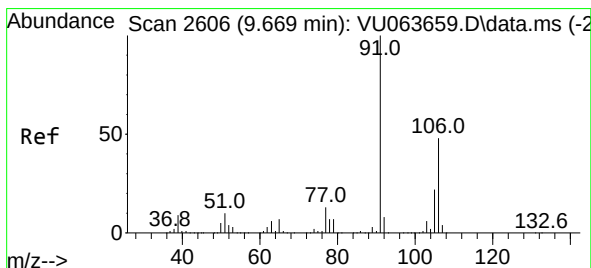
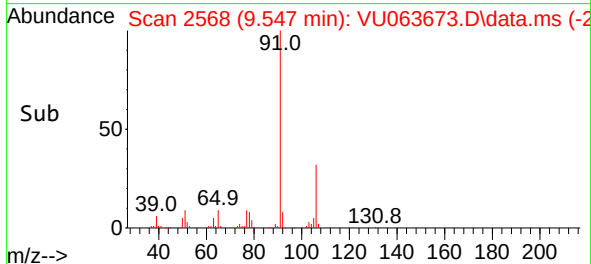
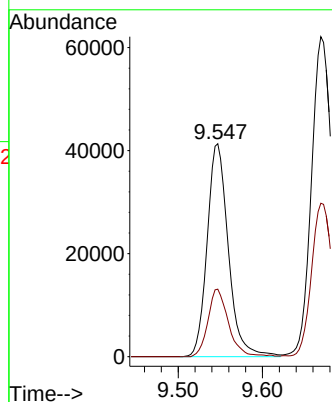
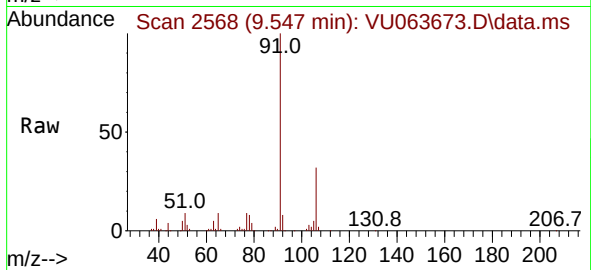
#63
Ethyl Benzene
Concen: 0.761 ug/l
RT: 9.547 min Scan# 2567
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 91 Resp: 7231
Ion Ratio Lower Upper
91 100
106 31.7 24.1 36.1

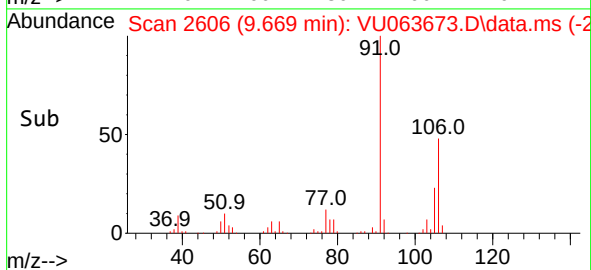
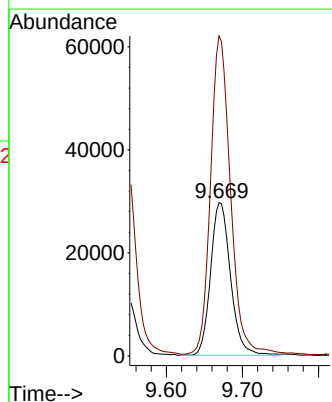
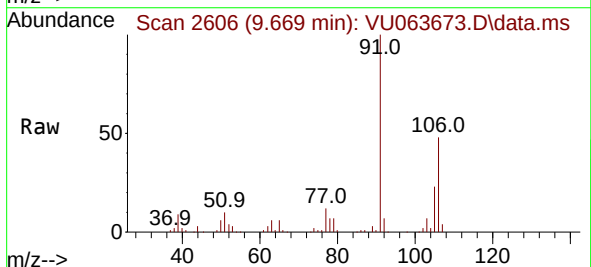
Manual Integrations
APPROVED

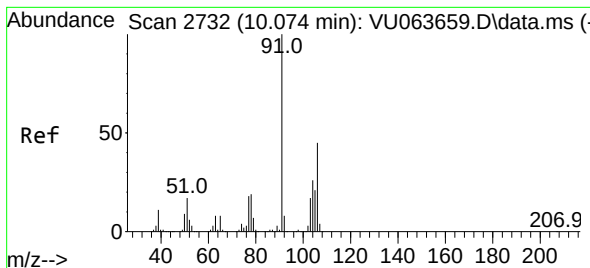
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#64
m/p-Xylenes
Concen: 1.520 ug/l
RT: 9.669 min Scan# 2606
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Tgt Ion:106 Resp: 53948
Ion Ratio Lower Upper
106 100
91 210.9 167.0 250.4





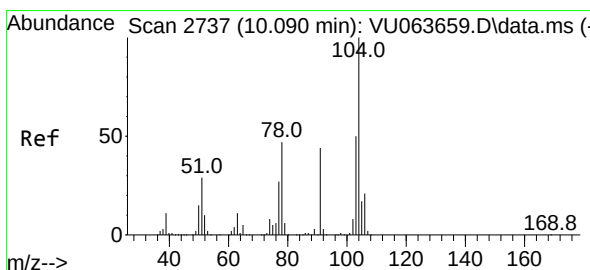
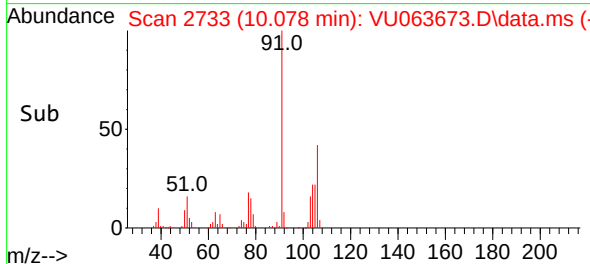
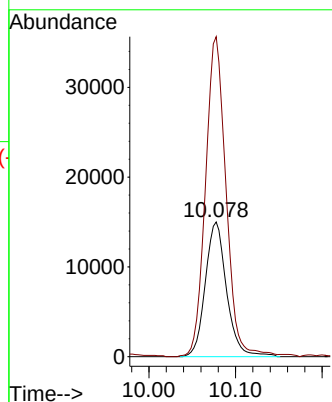
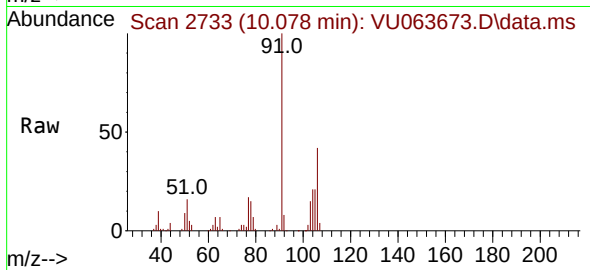
#65
o-Xylene
Concen: 0.737 ug/l
RT: 10.078 min Scan# 2732
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:106 Resp: 2562
Ion Ratio Lower Upper
106 100
91 229.0 109.3 327.9

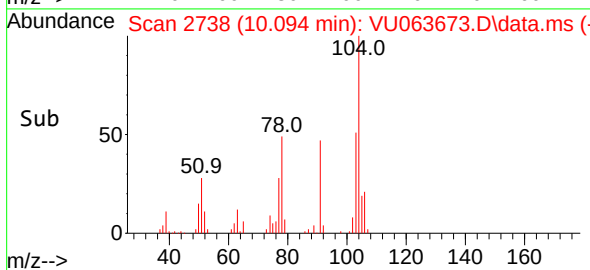
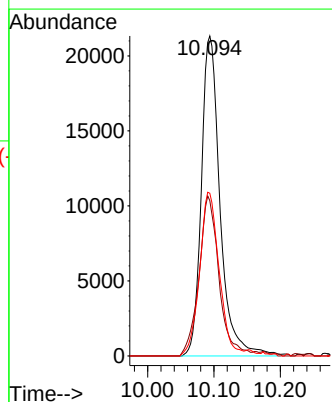
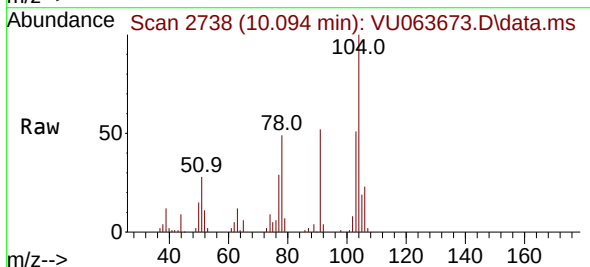
Manual Integrations
APPROVED

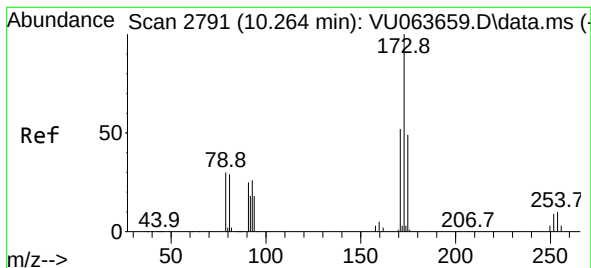
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#66
Styrene
Concen: 0.743 ug/l
RT: 10.094 min Scan# 2738
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Tgt Ion:104 Resp: 41893
Ion Ratio Lower Upper
104 100
78 53.2 42.8 64.2
103 53.3 43.9 65.9





#67

Bromoform

Concen: 0.599 ug/l

RT: 10.267 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063673.D

Acq: 05 Nov 2025 15:27

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

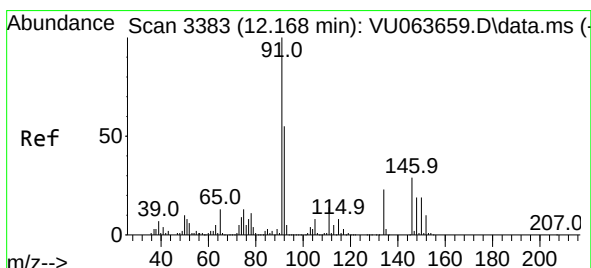
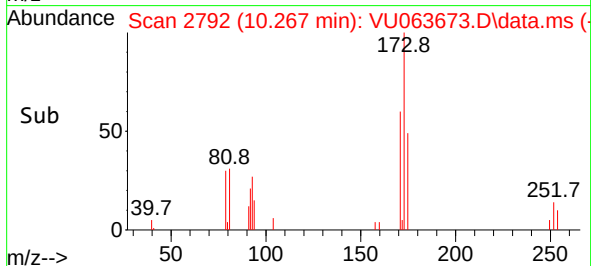
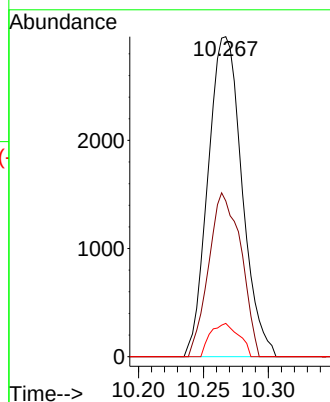
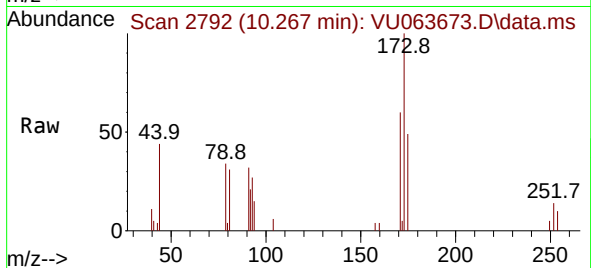
Tgt Ion:173	Resp:	537
Ion Ratio	Lower	Upper
173	100	
175	48.8	39.0 58.4
254	8.7	7.4 11.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#68

1,2-Dichlorobenzene-d4

Concen: 0.960 ug/l

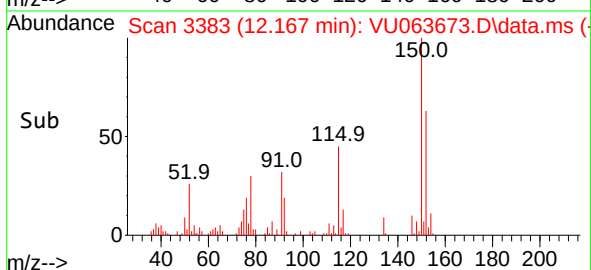
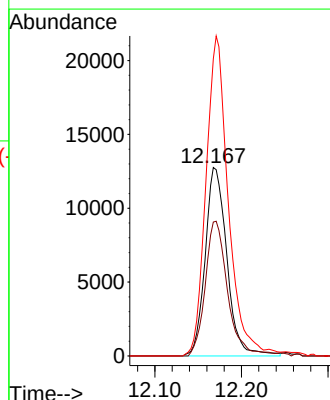
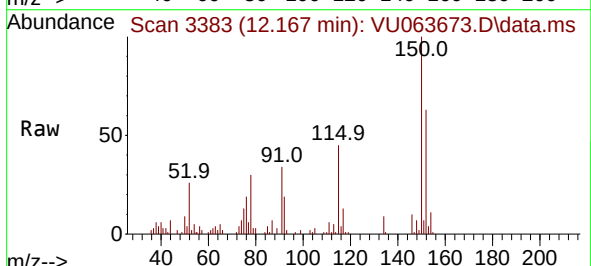
RT: 12.167 min Scan# 3383

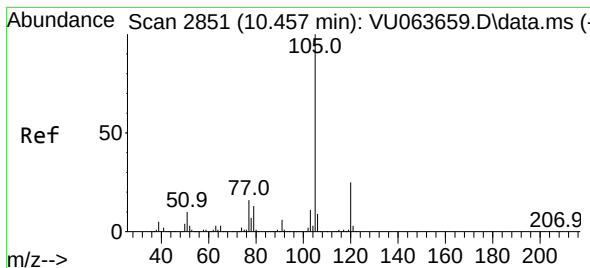
Delta R.T. -0.000 min

Lab File: VU063673.D

Acq: 05 Nov 2025 15:27

Tgt Ion:152	Resp:	22207
Ion Ratio	Lower	Upper
152	100	
115	73.6	0.0 247.2
150	174.9	0.0 643.6





#69

Isopropylbenzene

Concen: 0.751 ug/l

RT: 10.460 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VU063673.D

Acq: 05 Nov 2025 15:27

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

Tgt Ion:105 Resp: 6452

Ion Ratio Lower Upper

105 100

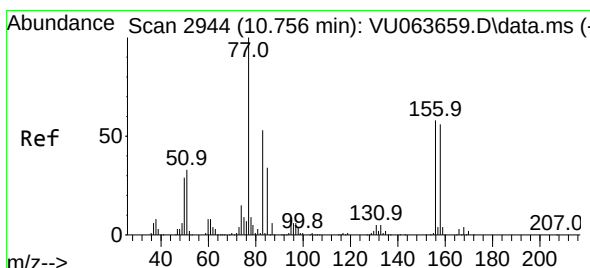
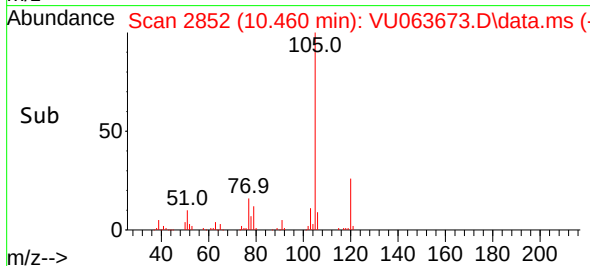
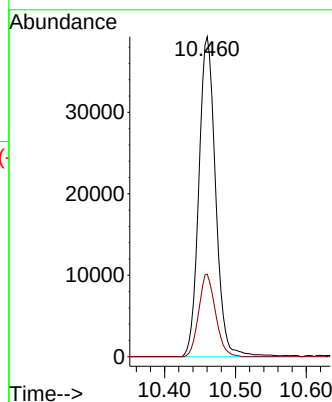
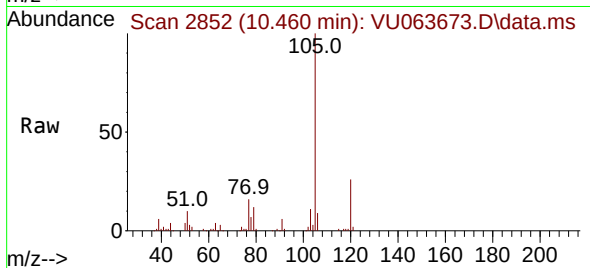
120 25.8 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 0.744 ug/l

RT: 10.759 min Scan# 2945

Delta R.T. 0.003 min

Lab File: VU063673.D

Acq: 05 Nov 2025 15:27

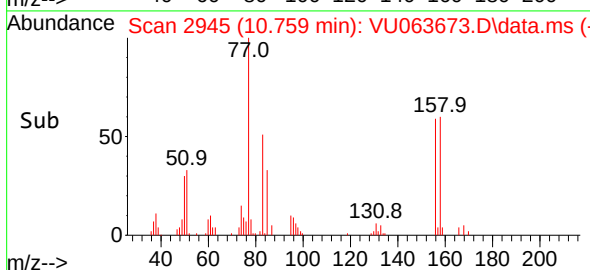
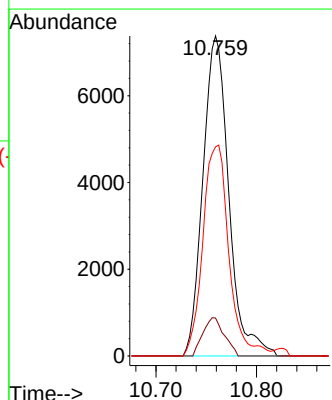
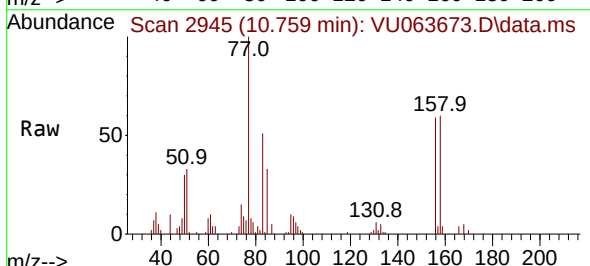
Tgt Ion: 83 Resp: 13189

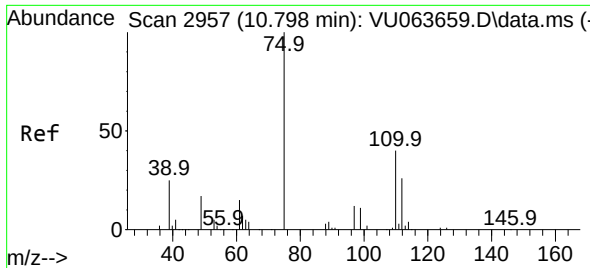
Ion Ratio Lower Upper

83 100

131 9.8 8.1 12.1

85 66.3 51.0 76.6





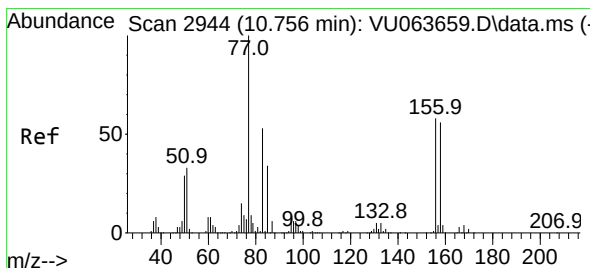
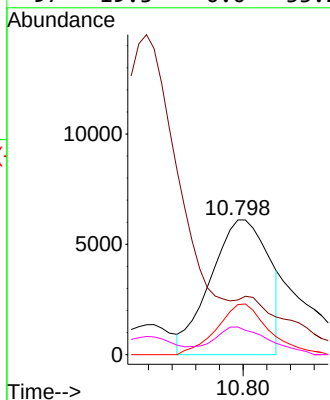
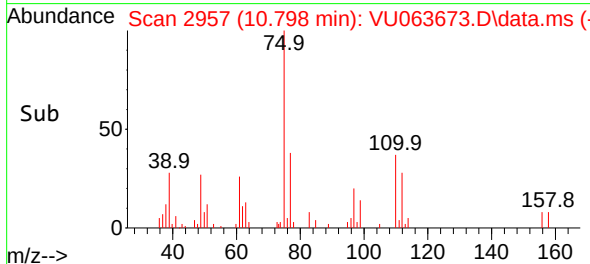
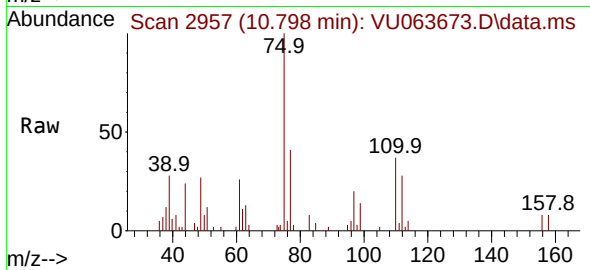
#71
1,2,3-Trichloropropane
Concen: 0.673 ug/l m
RT: 10.798 min Scan# 2957
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 75	Resp: 1039
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0
110 33.8	0.0 66.4
97 19.3	0.0 33.2

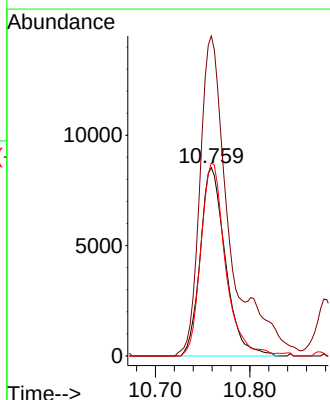
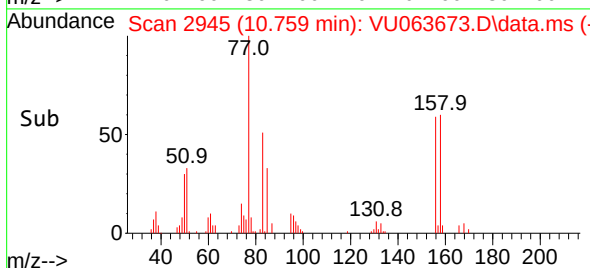
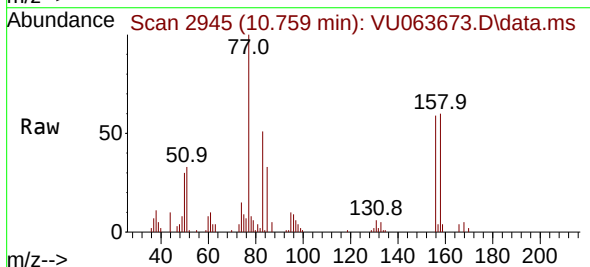
Manual Integrations
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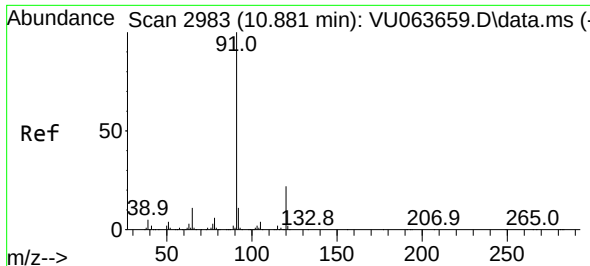
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#72
Bromobenzene
Concen: 0.759 ug/l
RT: 10.759 min Scan# 2945
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Tgt Ion:156	Resp: 15754
Ion Ratio	Lower Upper
156 100	
77 171.3	0.0 337.2
158 100.2	0.0 191.8





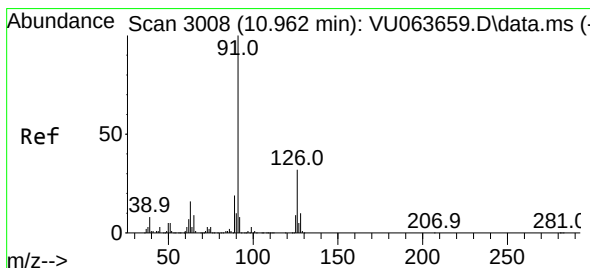
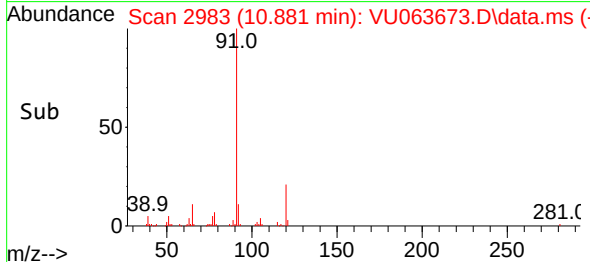
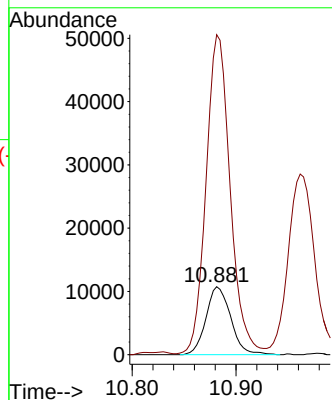
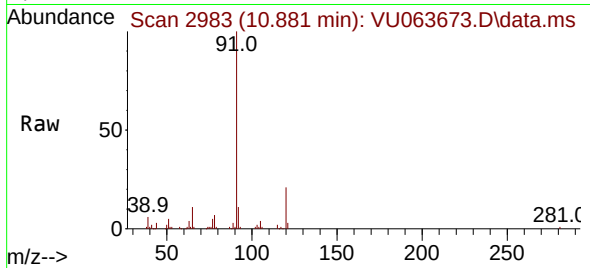
#73
n-propylbenzene
Concen: 0.728 ug/l
RT: 10.881 min Scan# 2983
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:120 Resp: 1775
Ion Ratio Lower Upper
120 100
91 455.8 361.4 542.2

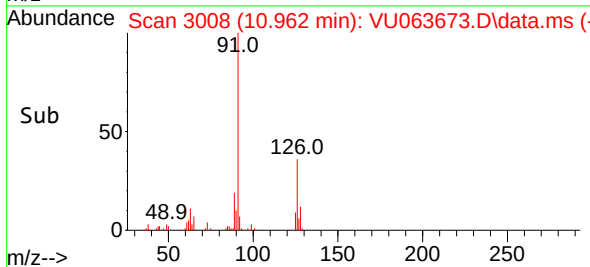
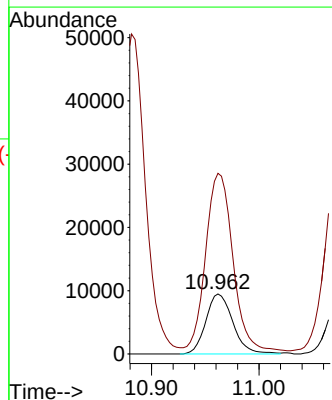
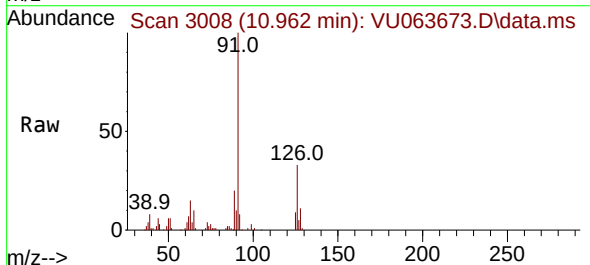
Manual Integrations
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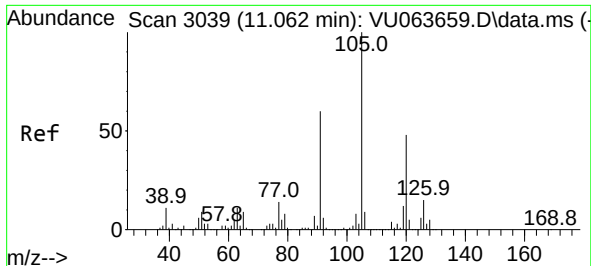
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#74
2-Chlorotoluene
Concen: 0.783 ug/l
RT: 10.962 min Scan# 3008
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Tgt Ion:126 Resp: 16550
Ion Ratio Lower Upper
126 100
91 307.2 0.0 634.8





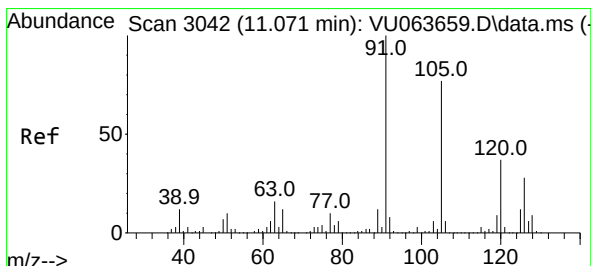
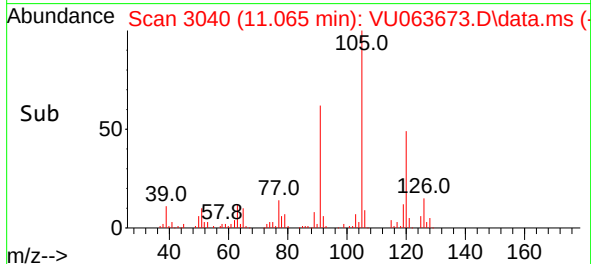
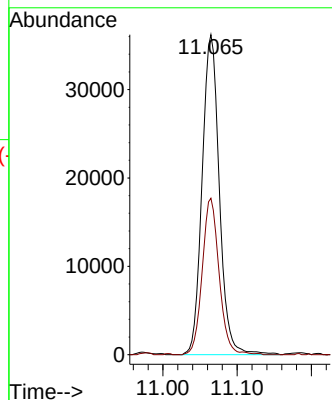
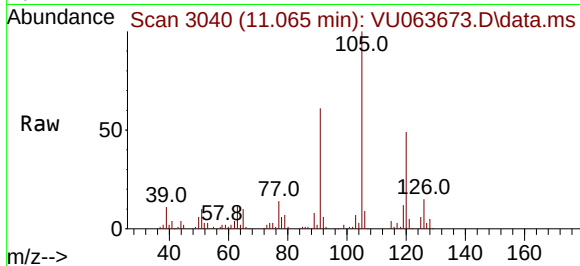
#75
1,3,5-Trimethylbenzene
Concen: 0.734 ug/l
RT: 11.065 min Scan# 3039
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:105 Resp: 58314
Ion Ratio Lower Upper
105 100
120 47.8 38.2 57.2

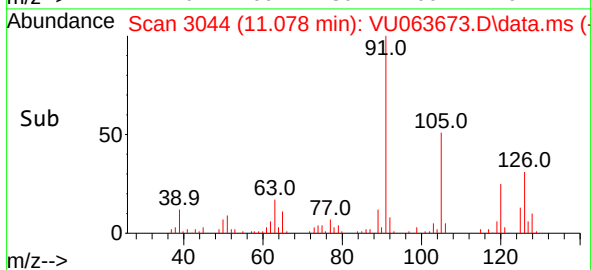
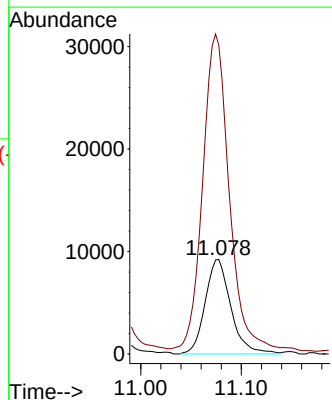
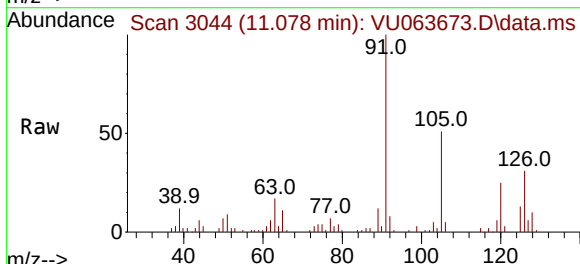
Manual Integrations
APPROVED

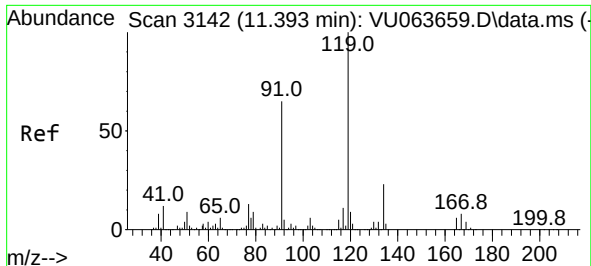
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#76
4-Chlorotoluene
Concen: 0.770 ug/l
RT: 11.078 min Scan# 3044
Delta R.T. 0.006 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

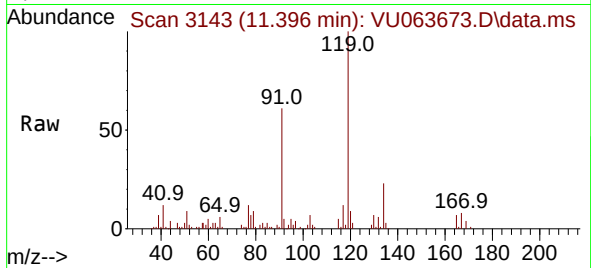
Tgt Ion:126 Resp: 16354
Ion Ratio Lower Upper
126 100
91 351.0 0.0 716.6





#77
tert-Butylbenzene
Concen: 0.736 ug/l
RT: 11.396 min Scan# 3142
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

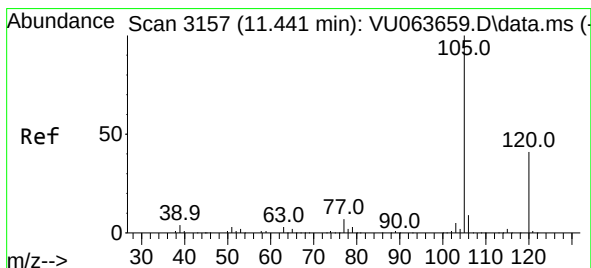
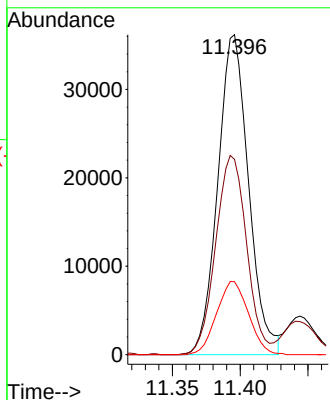
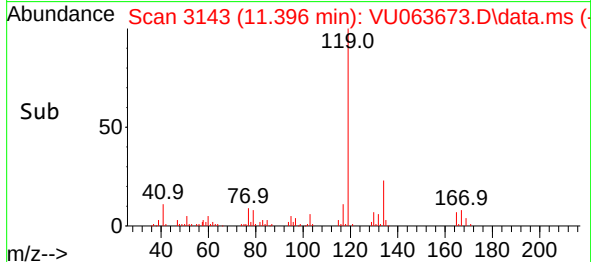
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



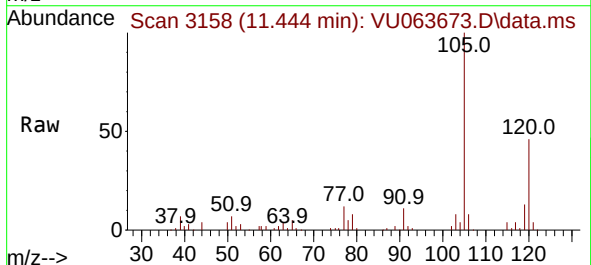
Tgt Ion:119 Resp: 5728
Ion Ratio Lower Upper
119 100
91 62.5 31.3 93.8
134 23.7 18.7 28.1

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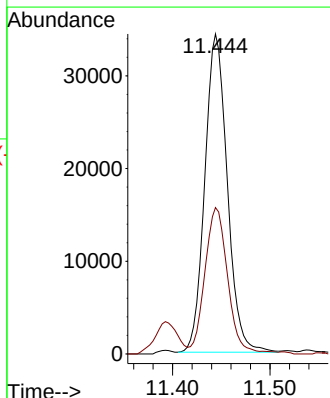
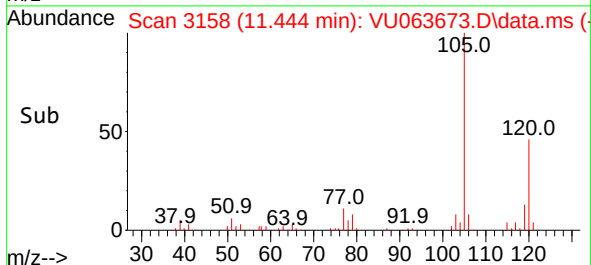
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

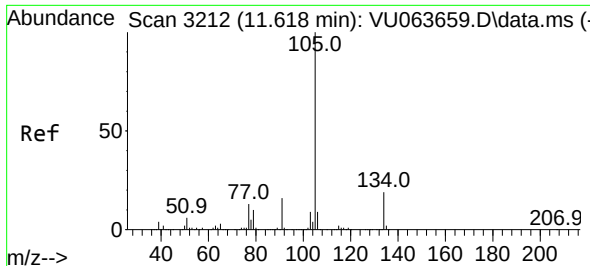


#78
1,2,4-Trimethylbenzene
Concen: 0.722 ug/l
RT: 11.444 min Scan# 3158
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27



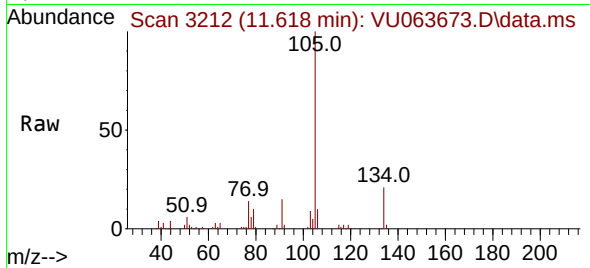
Tgt Ion:105 Resp: 54994
Ion Ratio Lower Upper
105 100
120 45.5 22.4 67.0





#79
 sec-Butylbenzene
 Concen: 0.728 ug/l
 RT: 11.618 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU063673.D
 Acq: 05 Nov 2025 15:27

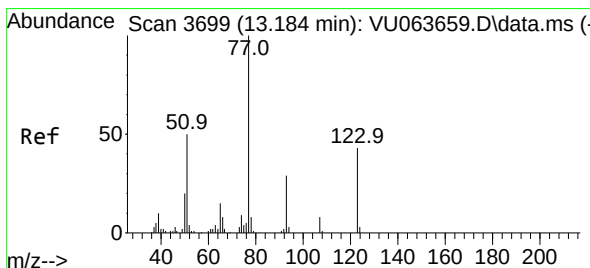
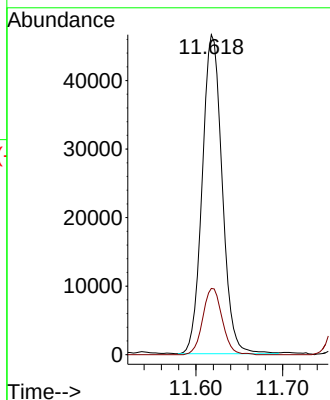
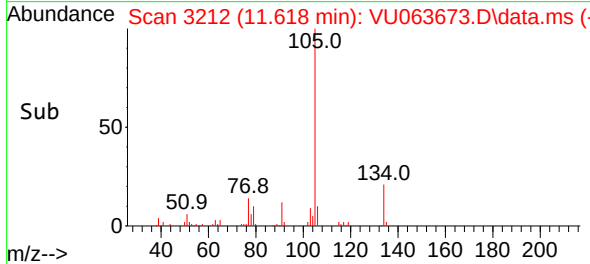
Instrument : MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025



Tgt Ion:105 Resp: 7448
 Ion Ratio Lower Upper
 105 100
 134 20.3 15.7 23.5

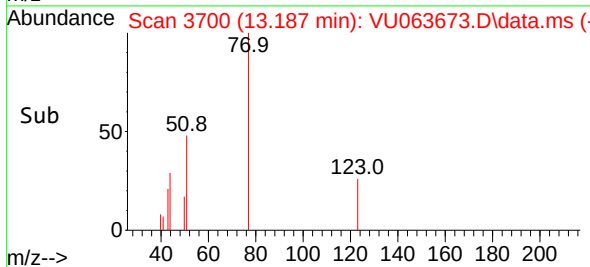
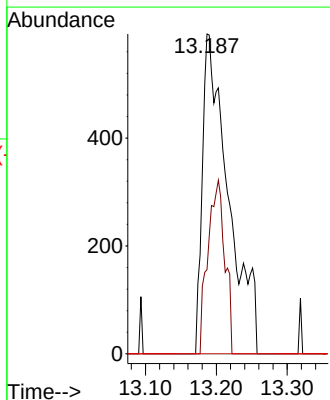
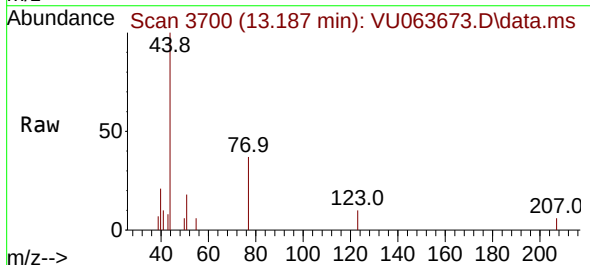
Manual Integrations
 APPROVED

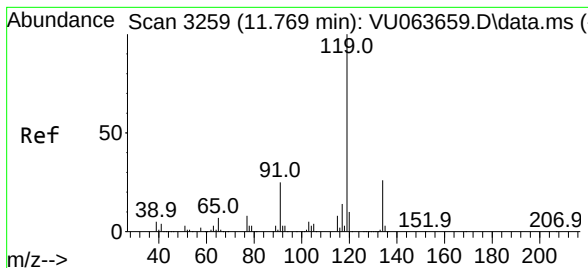
Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025



#80
 Nitrobenzene
 Concen: 2.413 ug/l m
 RT: 13.187 min Scan# 3700
 Delta R.T. 0.003 min
 Lab File: VU063673.D
 Acq: 05 Nov 2025 15:27

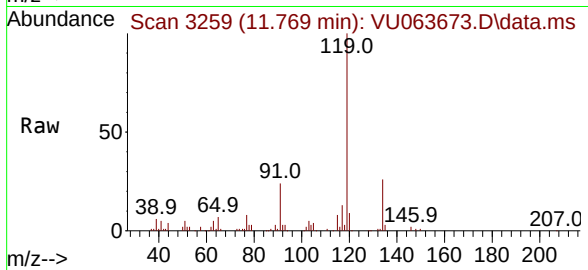
Tgt Ion: 77 Resp: 1505
 Ion Ratio Lower Upper
 77 100
 123 35.6 18.2 64.4
 65 0.0 13.6 17.2#





#81
p-Isopropyltoluene
Concen: 0.718 ug/l
RT: 11.769 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

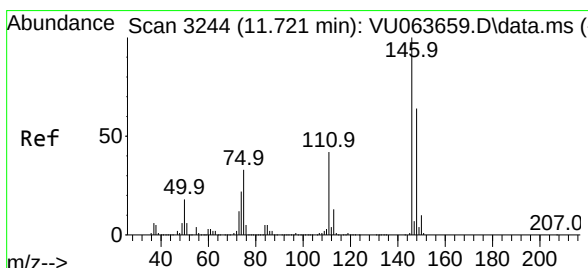
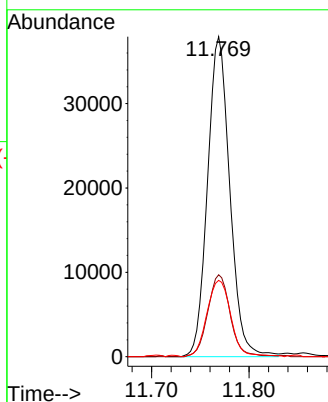
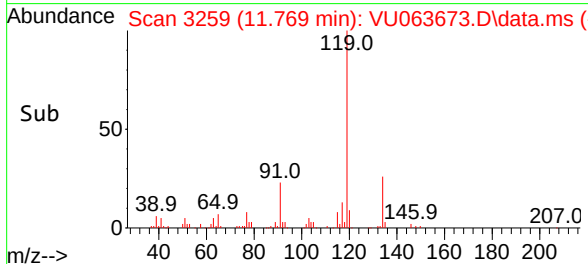
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



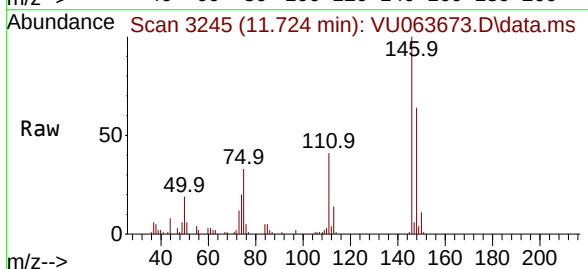
Tgt Ion:119 Resp: 6014
Ion Ratio Lower Upper
119 100
134 25.6 20.3 30.5
91 25.6 20.1 30.1

Manual Integrations
APPROVED

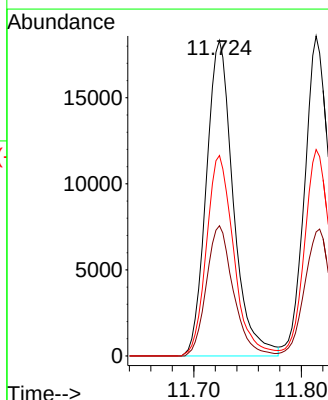
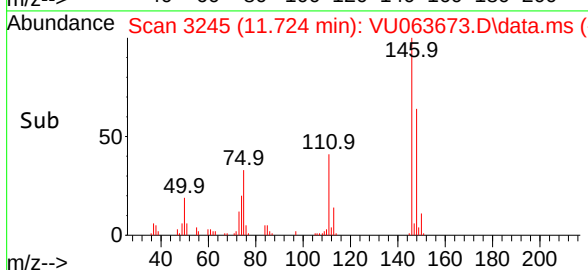
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

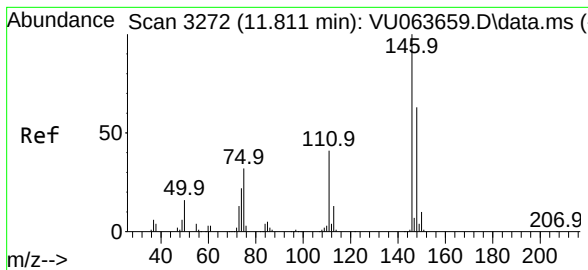


#82
1,3-Dichlorobenzene
Concen: 0.796 ug/l
RT: 11.724 min Scan# 3245
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27



Tgt Ion:146 Resp: 32008
Ion Ratio Lower Upper
146 100
111 41.1 33.8 50.8
148 64.4 50.8 76.2





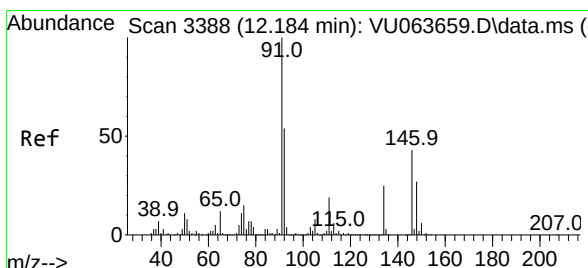
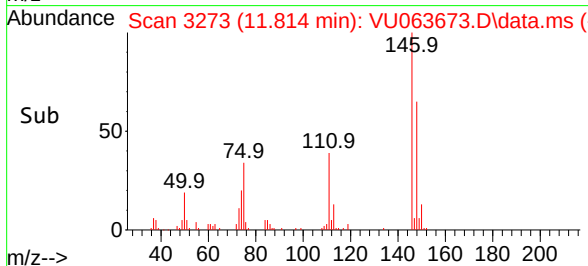
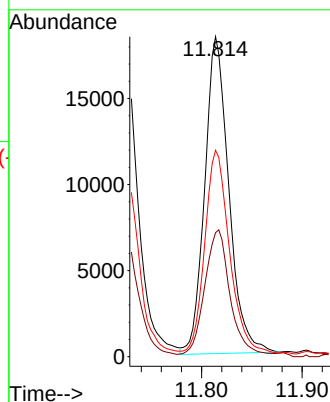
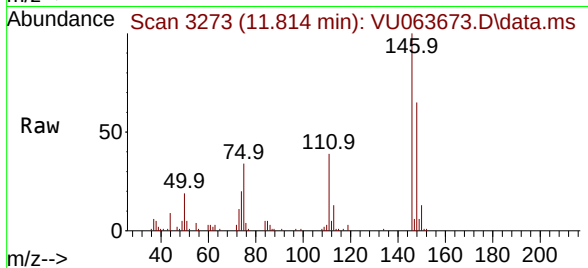
#83
1,4-Dichlorobenzene
Concen: 0.767 ug/l
RT: 11.814 min Scan# 3273
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:146 Resp: 3065
Ion Ratio Lower Upper
146 100
111 40.7 33.0 49.4
148 66.4 50.6 76.0

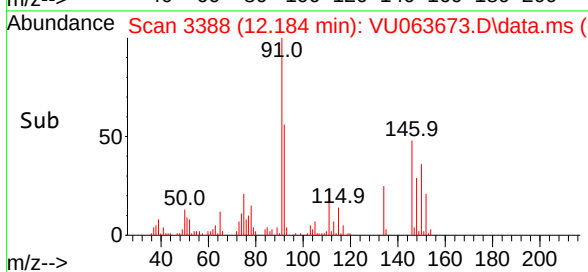
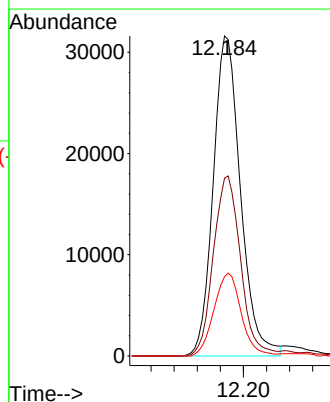
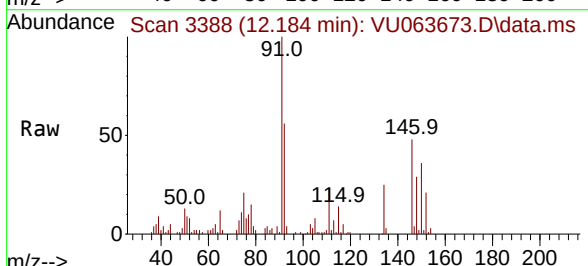
Manual Integrations
APPROVED

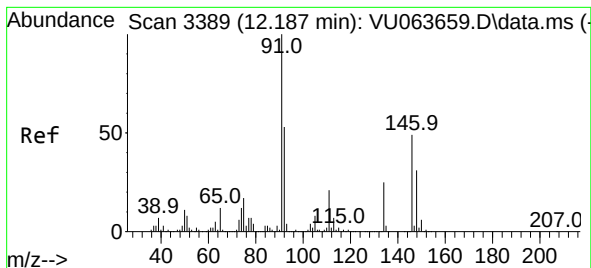
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#84
n-Butylbenzene
Concen: 0.692 ug/l
RT: 12.184 min Scan# 3388
Delta R.T. -0.000 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Tgt Ion: 91 Resp: 51933
Ion Ratio Lower Upper
91 100
92 55.9 43.1 64.7
134 25.8 19.7 29.5





#85

1,2-Dichlorobenzene

Concen: 0.772 ug/l

RT: 12.190 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063673.D

Acq: 05 Nov 2025 15:27

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

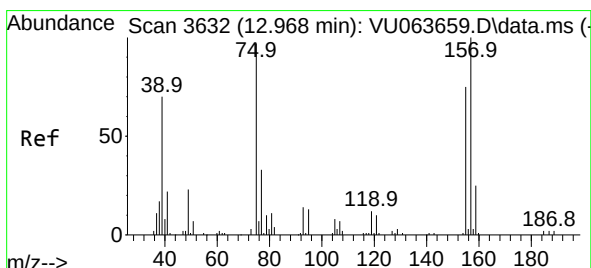
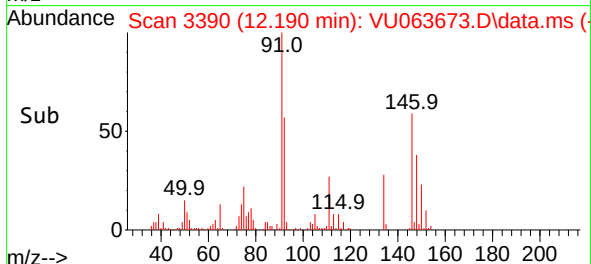
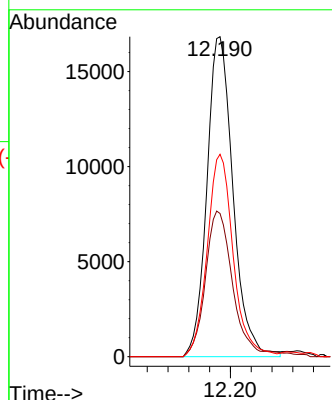
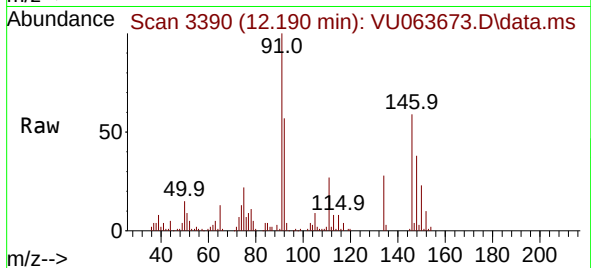
Tgt Ion:	146	Resp:	2936
Ion Ratio	Lower	Upper	
146	100		
111	46.7	22.2	66.6
148	63.0	31.9	95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.641 ug/l

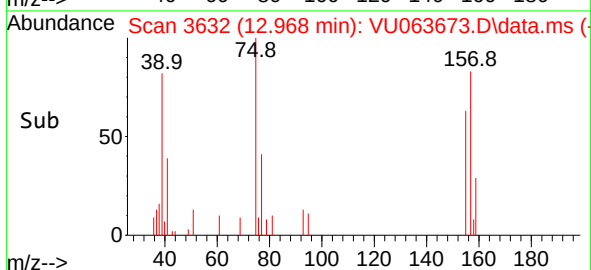
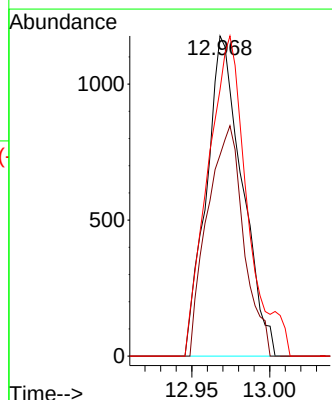
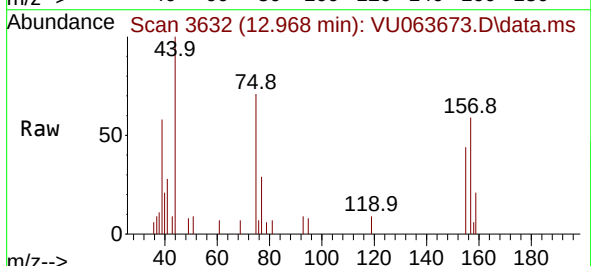
RT: 12.968 min Scan# 3632

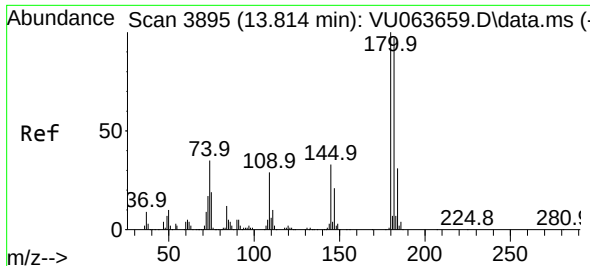
Delta R.T. -0.000 min

Lab File: VU063673.D

Acq: 05 Nov 2025 15:27

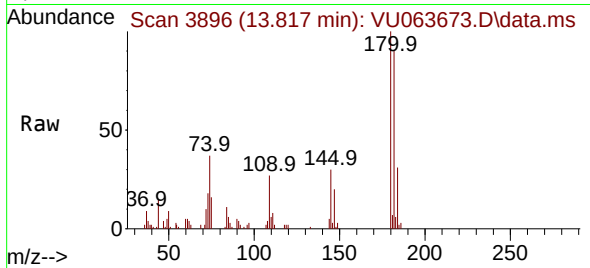
Tgt Ion:	75	Resp:	1883
Ion Ratio	Lower	Upper	
75	100		
155	72.8	62.2	93.4
157	109.5	81.3	121.9





#87
1,2,4-Trichlorobenzene
Concen: 0.774 ug/l
RT: 13.817 min Scan# 3895
Delta R.T. 0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

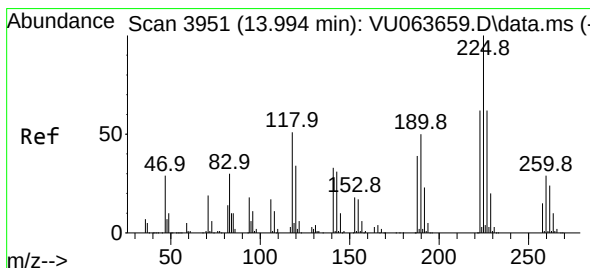
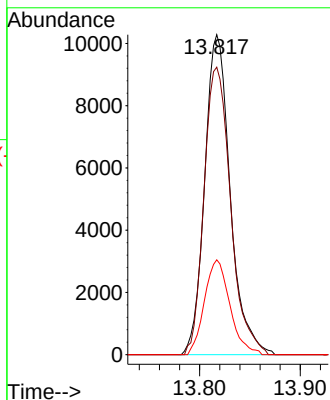
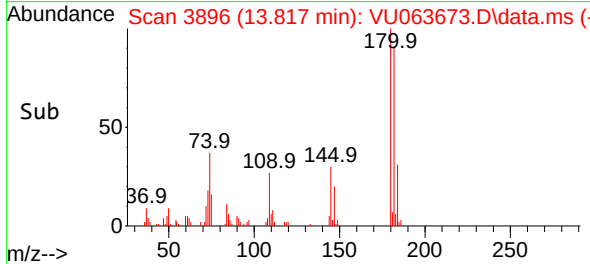
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



Tgt Ion:180 Resp: 1814
Ion Ratio Lower Upper
180 100
182 93.5 76.4 114.6
145 29.5 26.2 39.2

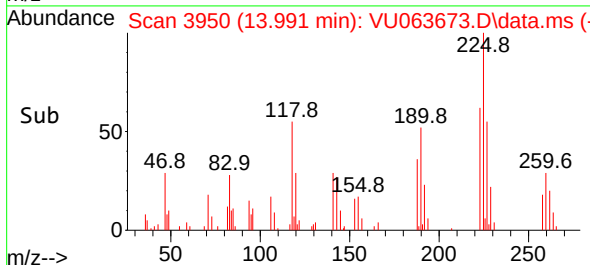
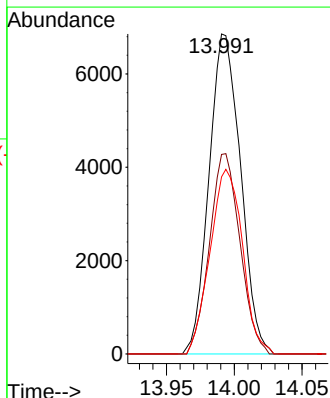
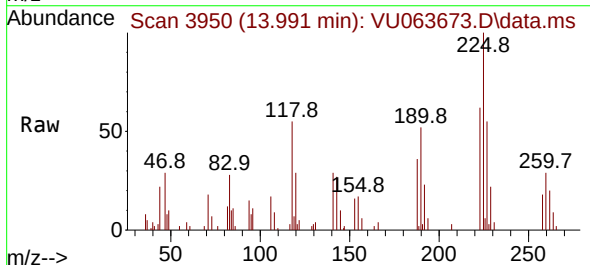
Manual Integrations
APPROVED

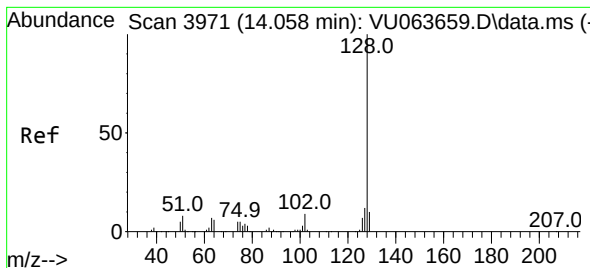
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#88
Hexachlorobutadiene
Concen: 0.796 ug/l
RT: 13.991 min Scan# 3950
Delta R.T. -0.003 min
Lab File: VU063673.D
Acq: 05 Nov 2025 15:27

Tgt Ion:225 Resp: 11101
Ion Ratio Lower Upper
225 100
223 60.6 50.2 75.4
227 59.3 50.0 75.0





#89

Naphthalene

Concen: 0.763 ug/l

RT: 14.068 min Scan# 3971

Delta R.T. 0.010 min

Lab File: VU063673.D

Acq: 05 Nov 2025 15:27

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

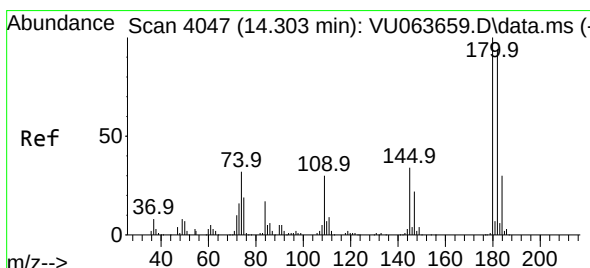
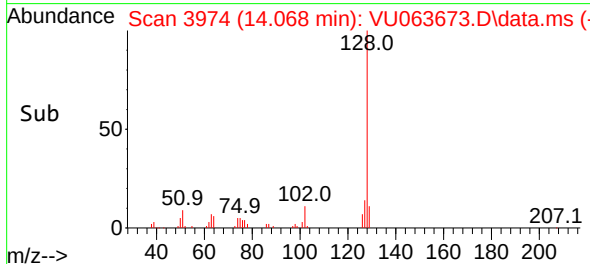
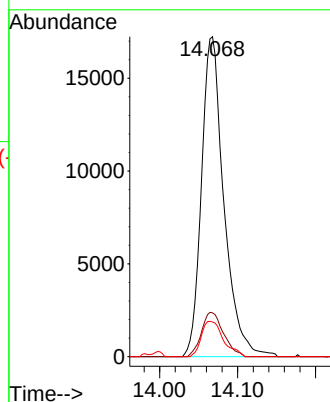
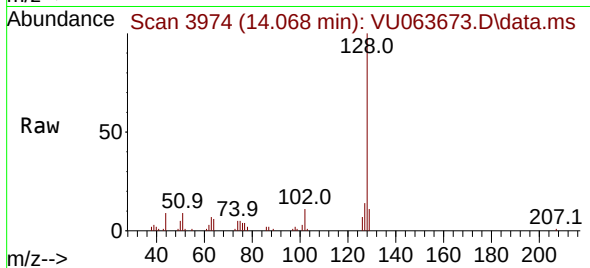
Tgt Ion:128	Resp:	3442
Ion Ratio	Lower	Upper
128	100	
127	13.6	10.2 15.2
129	10.9	8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#90

1,2,3-Trichlorobenzene

Concen: 0.758 ug/l

RT: 14.302 min Scan# 4047

Delta R.T. -0.000 min

Lab File: VU063673.D

Acq: 05 Nov 2025 15:27

Tgt Ion:180	Resp:	16234
Ion Ratio	Lower	Upper
180	100	
182	97.5	75.4 113.0
145	34.1	27.4 41.2

