

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110525\
 Data File : VU063675.D
 Acq On : 05 Nov 2025 16:32
 Operator : MD/SY
 Sample : Q3530-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2025

Quant Time: Nov 06 04:41:07 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	60910	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	24452	0.887	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
68) 1,2-Dichlorobenzene-d4	12.171	152	22575	0.914	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	18115	0.790	ug/l	98
3) Chloromethane	1.509	50	17954	0.833	ug/l	93
4) Vinyl Chloride	1.589	62	17739	0.809	ug/l	96
5) Bromomethane	1.840	94	11807	0.891	ug/l	91
6) Chloroethane	1.917	64	11711	0.870	ug/l	98
7) Trichlorofluoromethane	2.120	101	27747	0.870	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.557	101	14863	0.876	ug/l	99
9) 1,1-Dichloroethene	2.557	96	14046	0.855	ug/l	98
10) Iodomethane	2.695	142	16910	0.693	ug/l	99
11) Allyl Chloride	2.898	41	20395	0.795	ug/l	100
12) Acrylonitrile	3.290	53	7269	1.789	ug/l	96
13) Acetone	2.605	43	28782	4.011	ug/l	95
14) Carbon Disulfide	2.766	76	33413	0.722	ug/l	98
15) Methylene Chloride	3.017	84	19662	0.931	ug/l	95
16) trans-1,2-Dichloroethene	3.322	96	15542	0.858	ug/l	97
17) 1,1-Dichloroethane	3.833	63	31635	0.882	ug/l	99
18) 2-Butanone	4.692	43	29557	3.883	ug/l	98
19) Cyclohexane	5.345	56	22962	0.838	ug/l	98
20) Methylcyclohexane	6.727	83	27964	0.820	ug/l	98
21) 2,2-Dichloropropane	4.628	77	26009	0.808	ug/l	97
22) cis-1,2-Dichloroethene	4.631	96	18326	0.889	ug/l	99
23) Diethyl Ether	2.361	59	11498	0.854	ug/l	96
24) tert-Butyl Alcohol	3.168	59	16896	7.284	ug/l #	87
25) Methyl tert-Butyl Ether	3.341	73	39976	0.831	ug/l	98
26) Bromochloromethane	4.939	128	7886	0.907	ug/l	97
27) Chloroform	5.055	83	31246	0.851	ug/l	100
28) 1,1,1-Trichloroethane	5.280	97	26883	0.831	ug/l	98
29) 1,1-Dichloropropene	5.489	75	23853	0.878	ug/l	97
30) Carbon Tetrachloride	5.486	117	20385	0.796	ug/l	93
31) Isopropyl Ether	3.972	45	49148	0.865	ug/l	100
32) Ethyl-t-butyl ether	4.483	59	45358	0.828	ug/l	100
33) Tert-Amyl methyl ether	5.923	73	40841	0.857	ug/l	99
34) Propionitrile	4.756	54	6441	4.331	ug/l #	87
35) Benzene	5.740	78	65053	0.849	ug/l	99
36) 1,2-Dichloroethane	5.766	62	22110	0.899	ug/l	100
37) Trichloroethene	6.508	130	18646	0.854	ug/l	100
38) 1,2-Dichloropropane	6.762	63	17573	0.820	ug/l	94
39) Methacrylonitrile	4.952	41	6333	0.855	ug/l	96
40) Methyl acrylate	4.827	55	8476	0.788	ug/l #	96
41) Tetrahydrofuran	5.039	42	6967	2.091	ug/l	98
42) 1-Chlorobutane	5.425	56	31220	0.857	ug/l	97
43) Dibromomethane	6.888	93	9159	0.826	ug/l	99
44) Bromodichloromethane	7.081	83	19761	0.729	ug/l	94

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 LOQ-WATER-02-QT4-2025

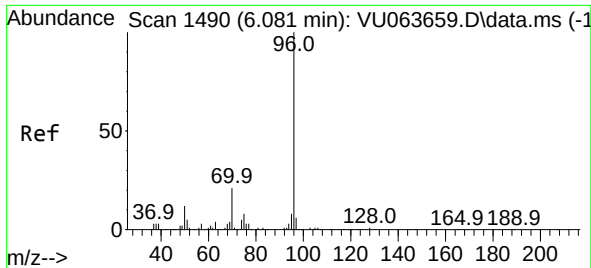
Quant Time: Nov 06 04:41:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	53241	3.982	ug/l	98
46) t-1,4-Dichloro-2-butene	10.807	75	6931m	1.494	ug/l	
47) Methyl methacrylate	6.949	69	16757	1.642	ug/l	97
48) Ethyl methacrylate	8.322	69	15157	0.730	ug/l	95
49) Toluene	7.942	92	41902	0.811	ug/l	97
50) t-1,3-Dichloropropene	8.190	75	16034	0.680	ug/l	98
51) cis-1,3-Dichloropropene	7.582	75	21763	0.738	ug/l	98
52) 1,1,2-Trichloroethane	8.377	97	12462	0.827	ug/l	97
53) 1,3-Dichloropropane	8.550	76	22166	0.823	ug/l	99
54) 2-Hexanone	8.676	43	40239	3.565	ug/l	97
55) Dibromochloromethane	8.785	129	12373	0.697	ug/l	99
56) 1,2-Dibromoethane	8.901	107	11300	0.788	ug/l	99
58) Tetrachloroethene	8.524	164	18305	0.857	ug/l	98
59) Chlorobenzene	9.425	112	47732	0.852	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.508	131	14851	0.757	ug/l	99
61) Pentachloroethane	11.402	117	9224	0.678	ug/l	97
62) Hexachloroethane	12.450	117	9527	0.639	ug/l	98
63) Ethyl Benzene	9.547	91	82080	0.809	ug/l	98
64) m/p-Xylenes	9.669	106	60741	1.604	ug/l	98
65) o-Xylene	10.074	106	30666	0.826	ug/l	97
66) Styrene	10.094	104	47504	0.789	ug/l	99
67) Bromoform	10.267	173	6226	0.650	ug/l	98
69) Isopropylbenzene	10.460	105	74839	0.816	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.759	83	14258	0.753	ug/l	95
71) 1,2,3-Trichloropropane	10.801	75	12583m	0.764	ug/l	
72) Bromobenzene	10.762	156	18346	0.828	ug/l	100
73) n-propylbenzene	10.884	120	20718	0.795	ug/l	95
74) 2-Chlorotoluene	10.962	126	18354	0.813	ug/l	96
75) 1,3,5-Trimethylbenzene	11.065	105	67767	0.800	ug/l	99
76) 4-Chlorotoluene	11.077	126	19679	0.868	ug/l	88
77) tert-Butylbenzene	11.393	119	67108	0.808	ug/l	98
78) 1,2,4-Trimethylbenzene	11.444	105	64019	0.787	ug/l	98
79) sec-Butylbenzene	11.618	105	86942	0.796	ug/l	99
80) Nitrobenzene	13.196	77	1616m	2.427	ug/l	
81) p-Isopropyltoluene	11.769	119	70199	0.785	ug/l	100
82) 1,3-Dichlorobenzene	11.724	146	36240	0.844	ug/l	98
83) 1,4-Dichlorobenzene	11.814	146	35409	0.830	ug/l	100
84) n-Butylbenzene	12.183	91	62977	0.786	ug/l	99
85) 1,2-Dichlorobenzene	12.190	146	34097	0.840	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.971	75	1816	0.579	ug/l	89
87) 1,2,4-Trichlorobenzene	13.817	180	20376	0.814	ug/l	100
88) Hexachlorobutadiene	13.994	225	11747	0.789	ug/l	95
89) Naphthalene	14.064	128	39452	0.820	ug/l	98
90) 1,2,3-Trichlorobenzene	14.302	180	19091	0.835	ug/l	98

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



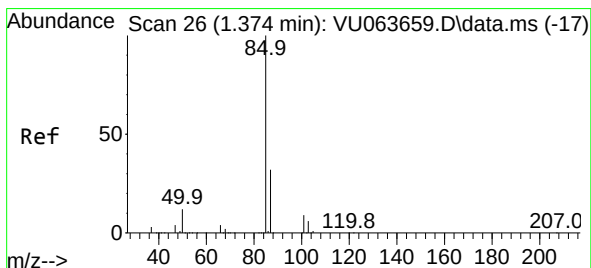
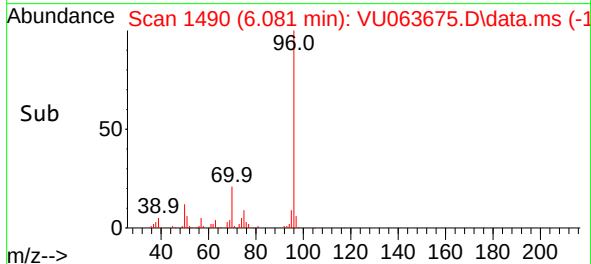
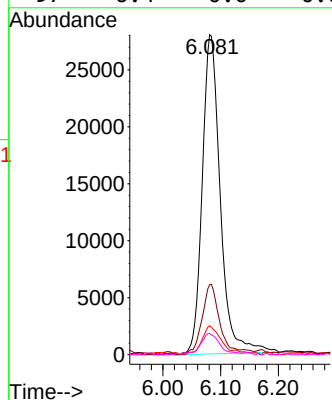
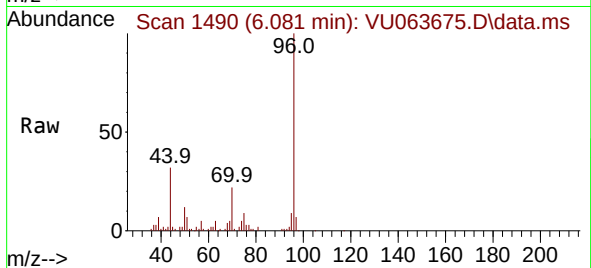
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Fluorobenzene
Concen: 1.000 ug/l
RT: 6.081 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025

Tgt Ion: 96	Resp: 60910
Ion Ratio	Lower Upper
96 100	
70 19.1	15.3 22.9
95 7.7	6.5 9.7
97 6.4	0.0 0.0#

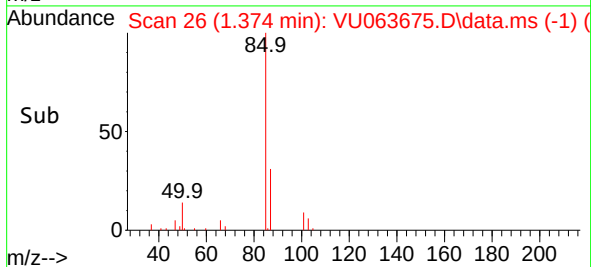
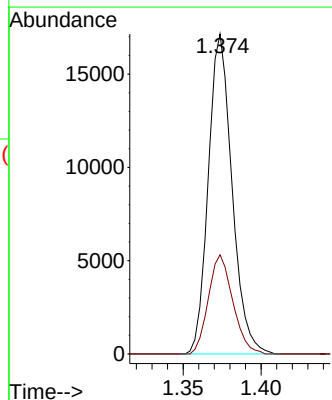
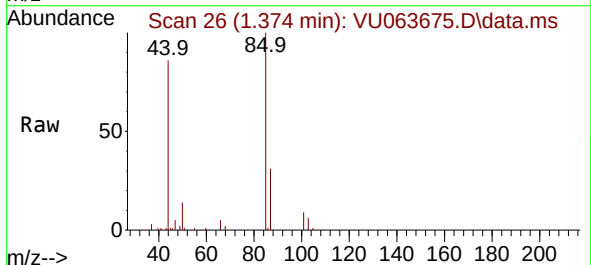
Manual Integrations
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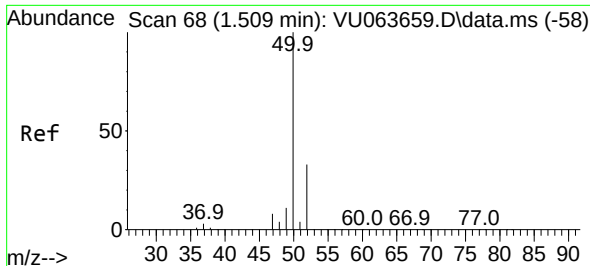
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#2
Dichlorodifluoromethane
Concen: 0.790 ug/l
RT: 1.374 min Scan# 26
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

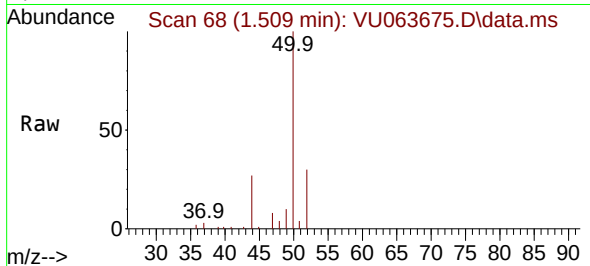
Tgt Ion: 85	Resp: 18115
Ion Ratio	Lower Upper
85 100	
87 31.0	16.0 47.9





#3
Chloromethane
Concen: 0.833 ug/l
RT: 1.509 min Scan# 68
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

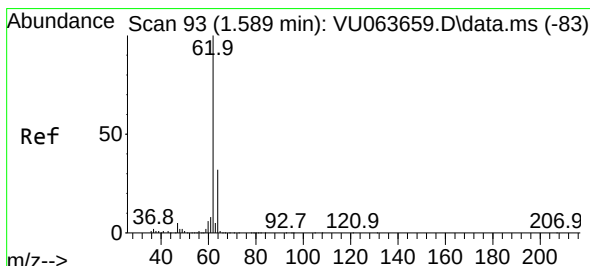
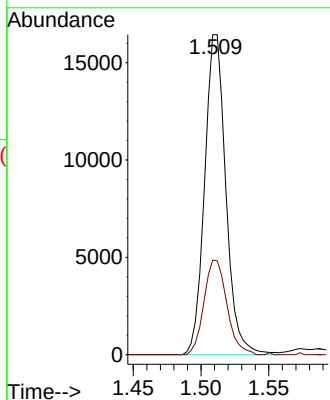
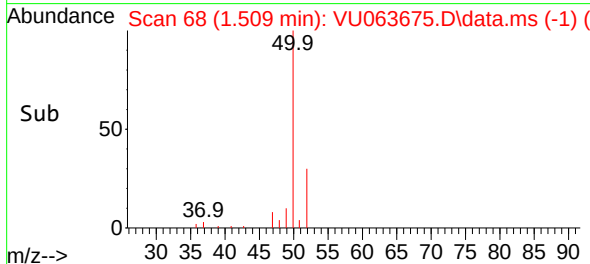
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025



Tgt Ion: 50 Resp: 17954
Ion Ratio Lower Upper
50 100
52 29.5 26.6 40.0

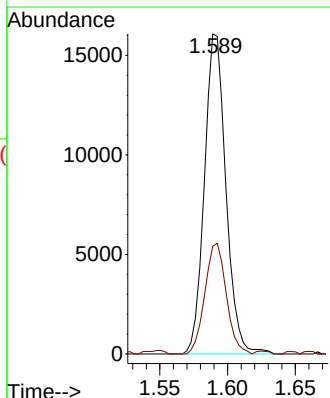
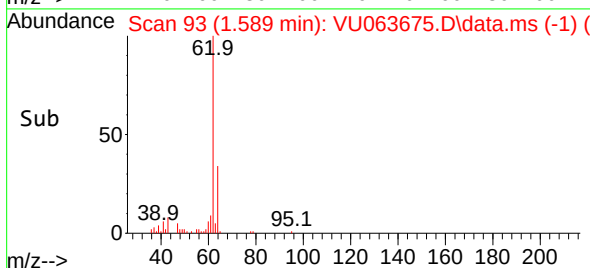
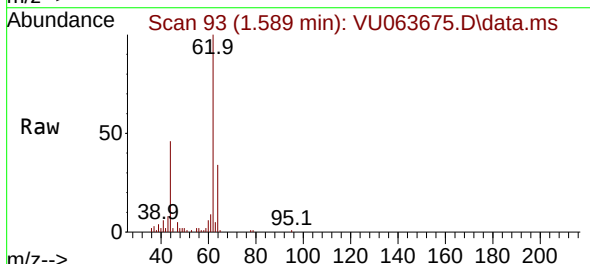
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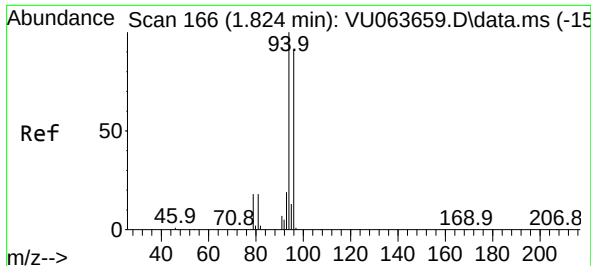
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#4
Vinyl Chloride
Concen: 0.809 ug/l
RT: 1.589 min Scan# 93
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

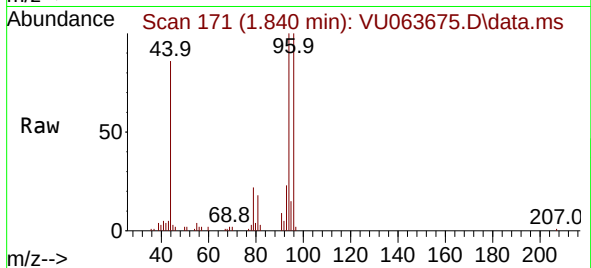
Tgt Ion: 62 Resp: 17739
Ion Ratio Lower Upper
62 100
64 33.6 25.2 37.8





#5
Bromomethane
Concen: 0.891 ug/l
RT: 1.840 min Scan# 11
Delta R.T. 0.016 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

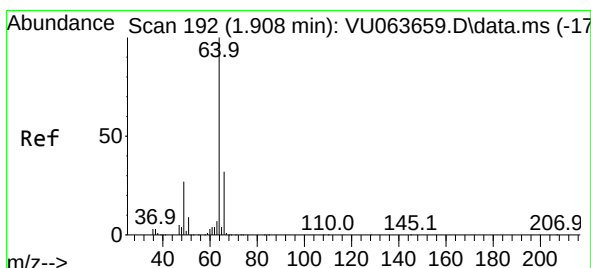
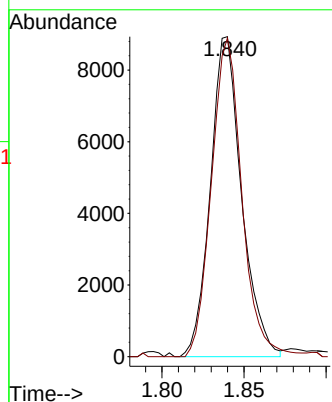
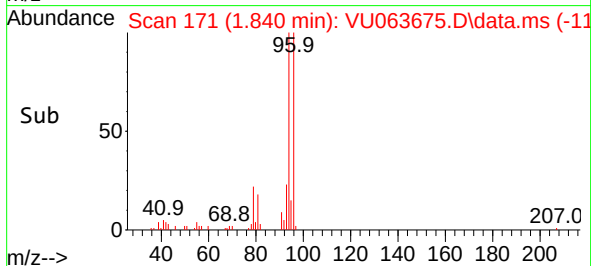
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 94 Resp: 1180
Ion Ratio Lower Upper
94 100
96 99.6 73.0 109.6

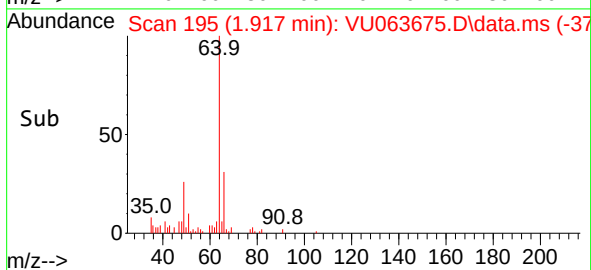
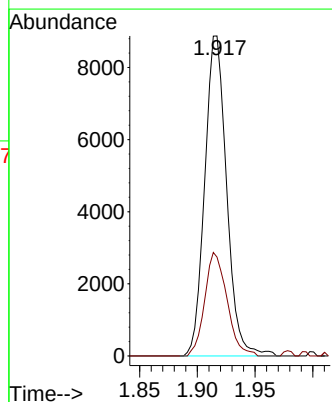
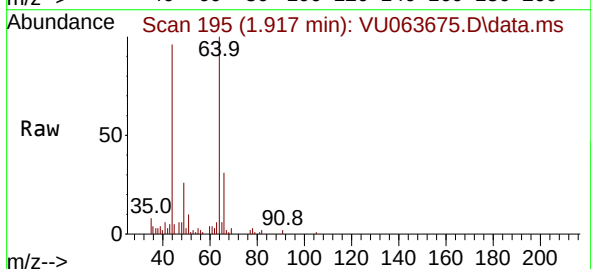
Manual Integrations
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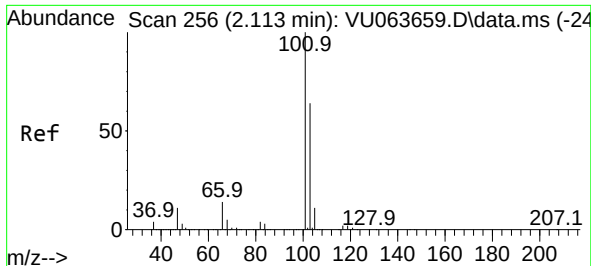
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#6
Chloroethane
Concen: 0.870 ug/l
RT: 1.917 min Scan# 195
Delta R.T. 0.009 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

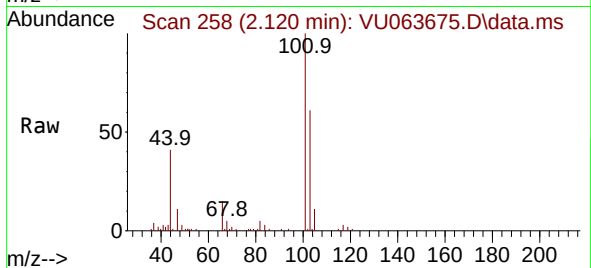
Tgt Ion: 64 Resp: 11711
Ion Ratio Lower Upper
64 100
66 30.9 25.4 38.2





#7
 Trichlorofluoromethane
 Concen: 0.870 ug/l
 RT: 2.120 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VU063675.D
 Acq: 05 Nov 2025 16:32

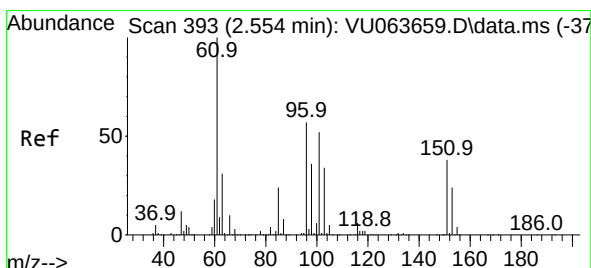
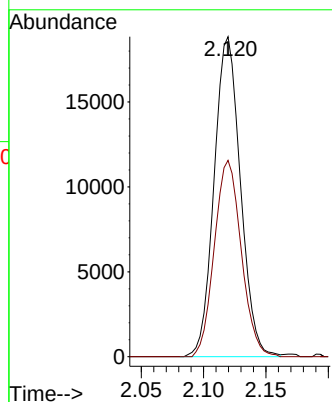
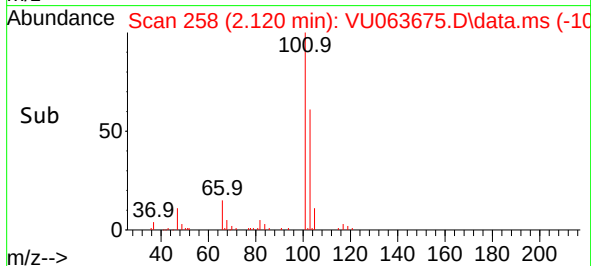
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2025



Tgt Ion:101 Resp: 2774
 Ion Ratio Lower Upper
 101 100
 103 61.3 51.0 76.6

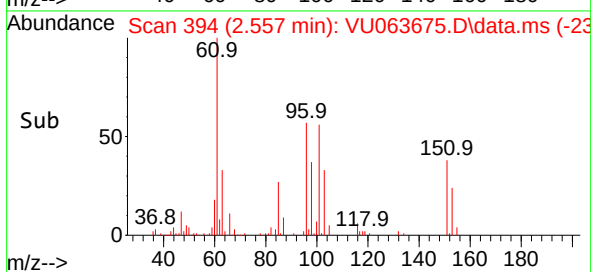
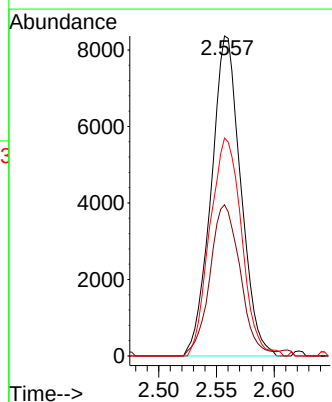
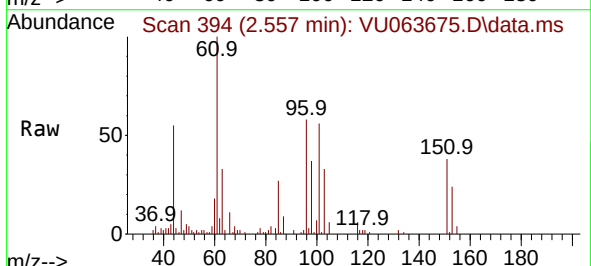
Manual Integrations
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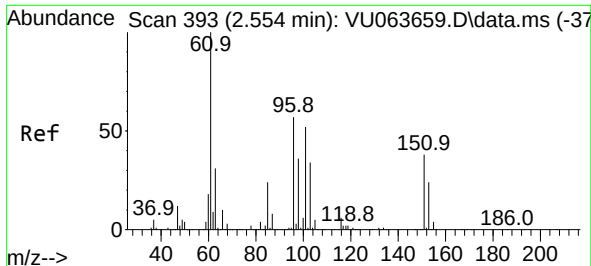
Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025



#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.876 ug/l
 RT: 2.557 min Scan# 394
 Delta R.T. 0.003 min
 Lab File: VU063675.D
 Acq: 05 Nov 2025 16:32

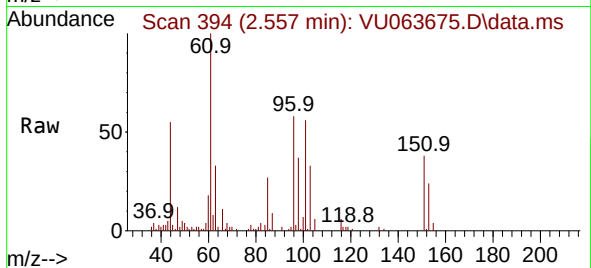
Tgt Ion:101 Resp: 14863
 Ion Ratio Lower Upper
 101 100
 85 46.6 37.0 55.4
 151 73.1 57.2 85.8





#9
1,1-Dichloroethene
Concen: 0.855 ug/l
RT: 2.557 min Scan# 394
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

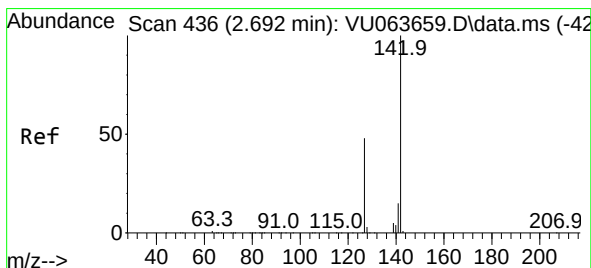
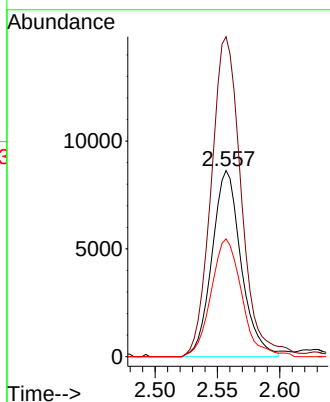
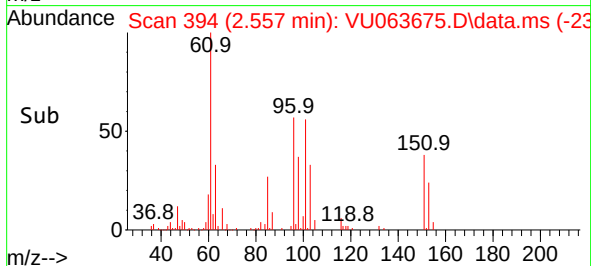
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025



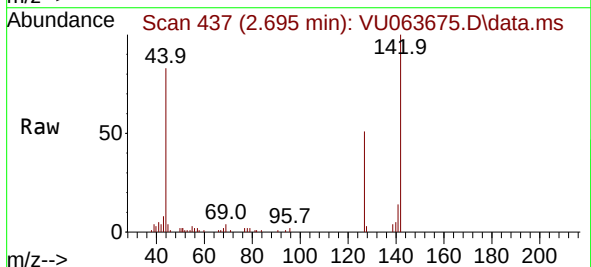
Tgt Ion: 96 Resp: 1404
Ion Ratio Lower Upper
96 100
61 172.0 0.0 524.7
98 63.3 0.0 126.8

Manual Integrations
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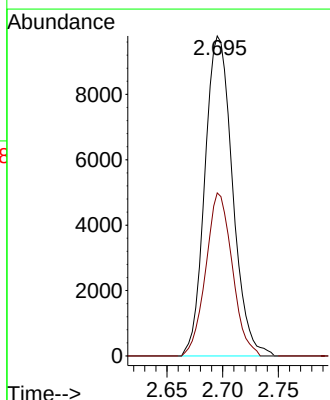
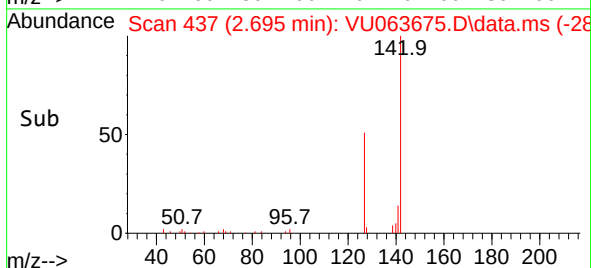
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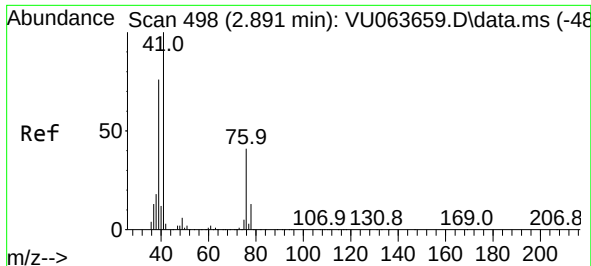


#10
Iodomethane
Concen: 0.693 ug/l
RT: 2.695 min Scan# 437
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



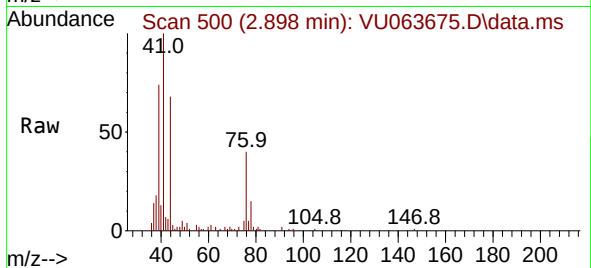
Tgt Ion:142 Resp: 16910
Ion Ratio Lower Upper
142 100
127 48.7 38.6 58.0





#11
 Allyl Chloride
 Concen: 0.795 ug/l
 RT: 2.898 min Scan# 500
 Delta R.T. 0.006 min
 Lab File: VU063675.D
 Acq: 05 Nov 2025 16:32

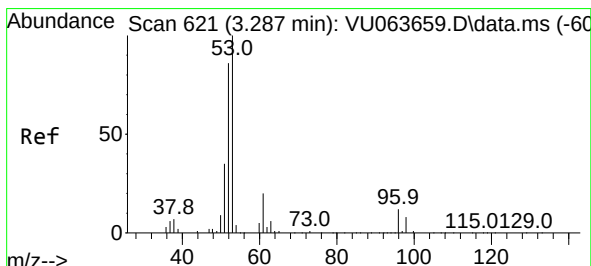
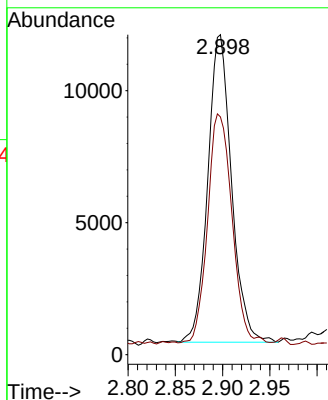
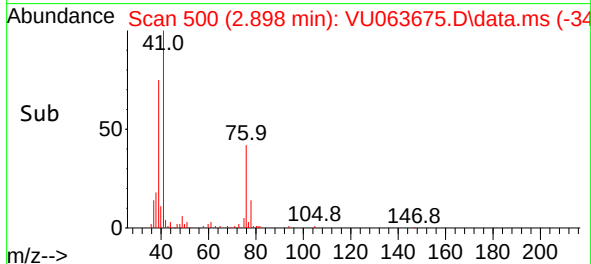
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2025



Tgt Ion: 41 Resp: 2039
 Ion Ratio Lower Upper
 41 100
 39 76.1 61.0 91.4

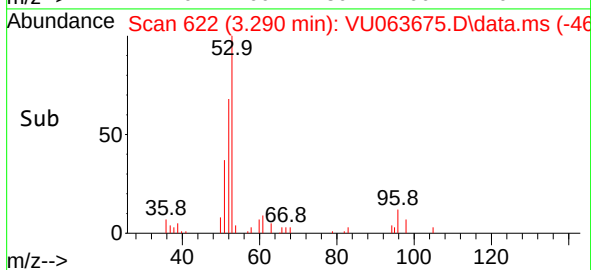
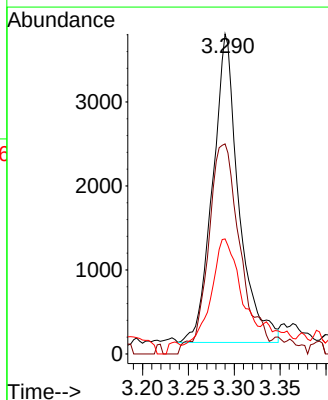
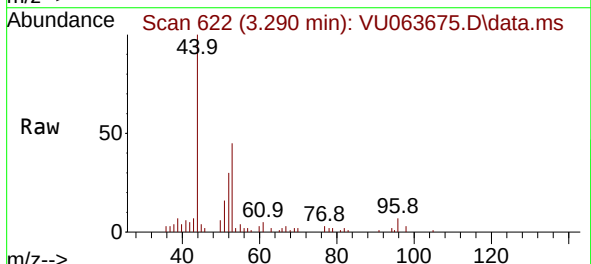
Manual Integrations
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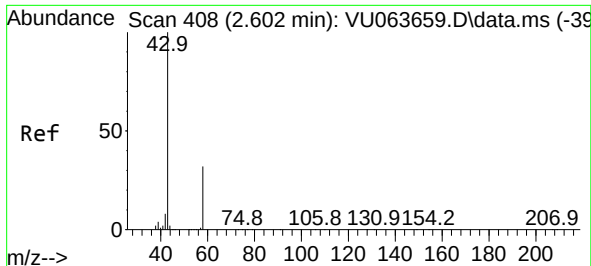
Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025



#12
 Acrylonitrile
 Concen: 1.789 ug/l
 RT: 3.290 min Scan# 622
 Delta R.T. 0.003 min
 Lab File: VU063675.D
 Acq: 05 Nov 2025 16:32

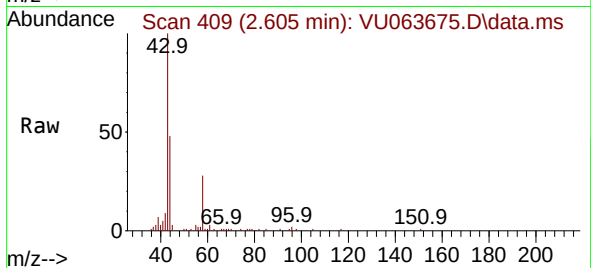
Tgt Ion: 53 Resp: 7269
 Ion Ratio Lower Upper
 53 100
 52 83.3 65.4 98.0
 51 39.7 27.6 41.4





#13
Acetone
Concen: 4.011 ug/l
RT: 2.605 min Scan# 408
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

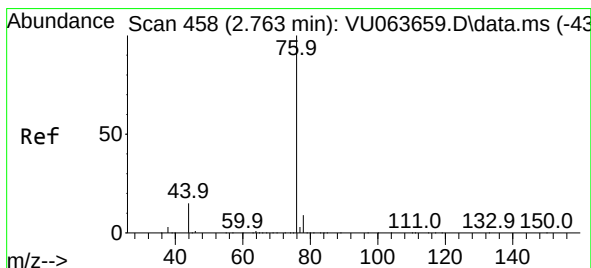
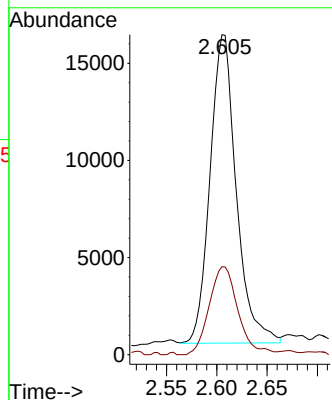
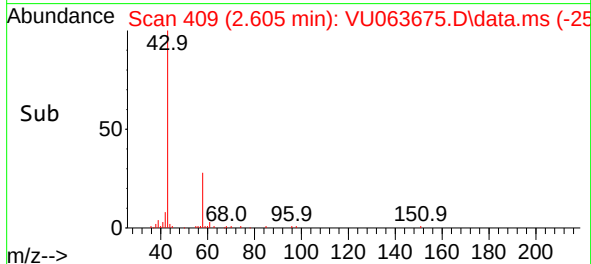
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025



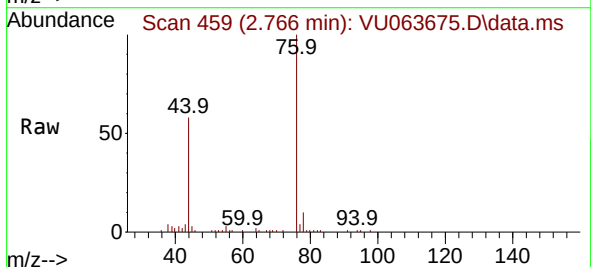
Tgt Ion: 43 Resp: 2878
Ion Ratio Lower Upper
43 100
58 28.6 25.2 37.8

Manual Integrations
APPROVED

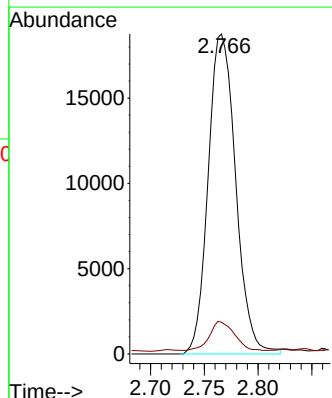
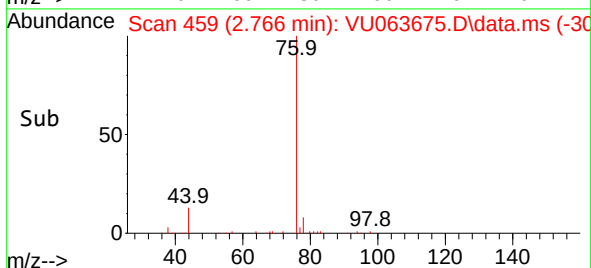
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

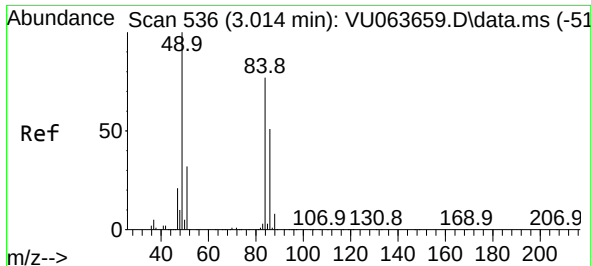


#14
Carbon Disulfide
Concen: 0.722 ug/l
RT: 2.766 min Scan# 459
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



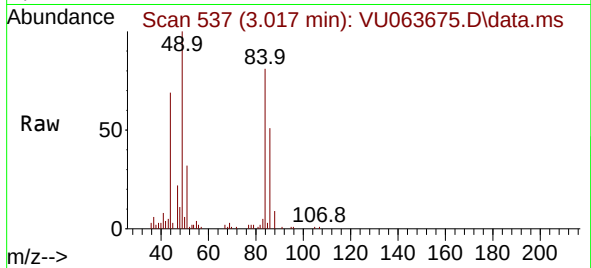
Tgt Ion: 76 Resp: 33413
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3





#15
Methylene Chloride
Concen: 0.931 ug/l
RT: 3.017 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

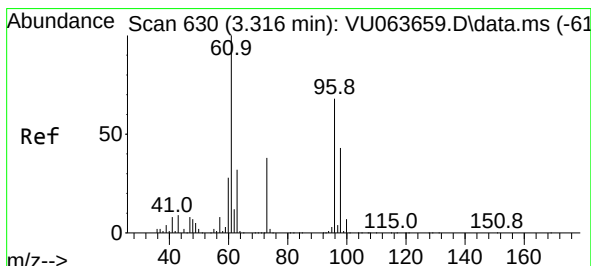
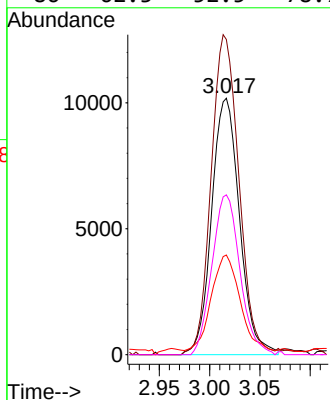
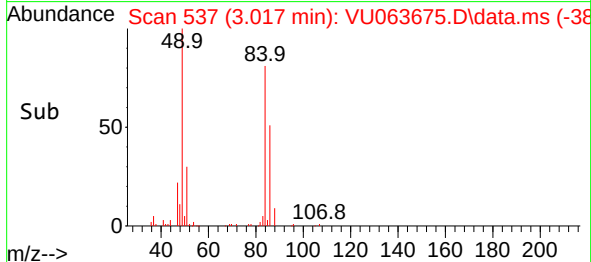
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:	84	Resp:	1966
Ion	Ratio	Lower	Upper
84	100		
49	122.9	103.4	155.0
51	37.1	0.0	81.6
86	62.3	52.5	78.7

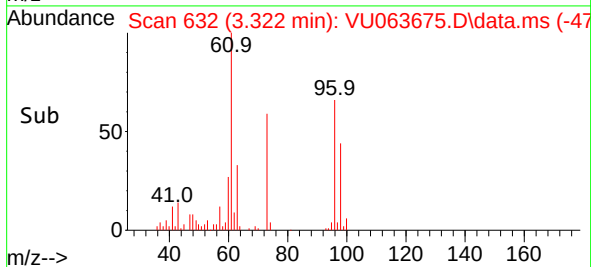
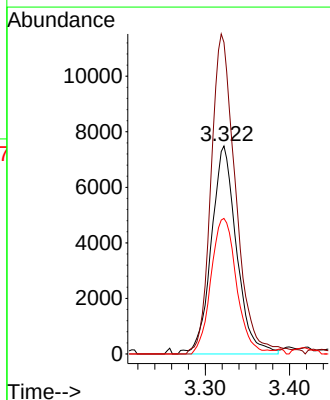
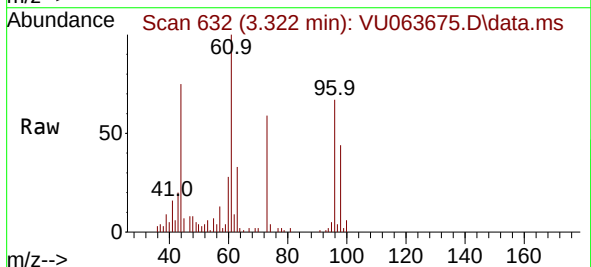
Manual Integrations
APPROVED

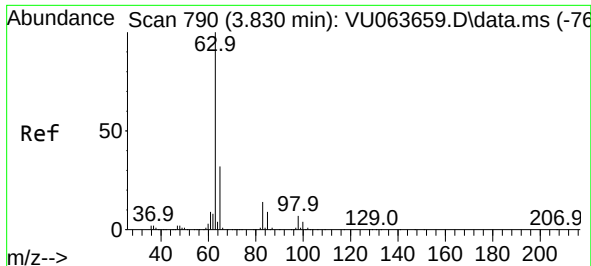
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#16
trans-1,2-Dichloroethene
Concen: 0.858 ug/l
RT: 3.322 min Scan# 632
Delta R.T. 0.006 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

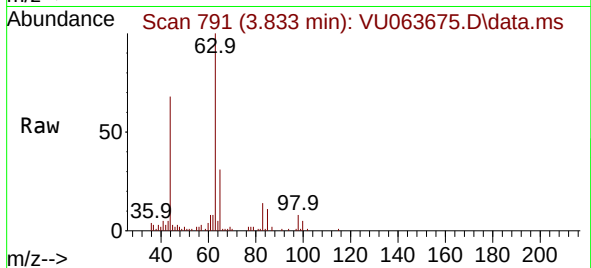
Tgt Ion:	96	Resp:	15542
Ion	Ratio	Lower	Upper
96	100		
61	149.8	117.4	176.2
98	65.2	49.9	74.9





#17
1,1-Dichloroethane
Concen: 0.882 ug/l
RT: 3.833 min Scan# 791
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

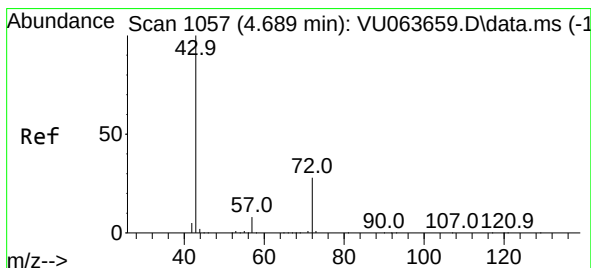
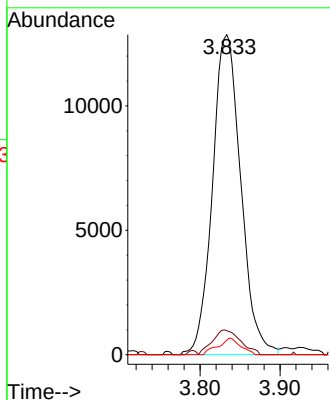
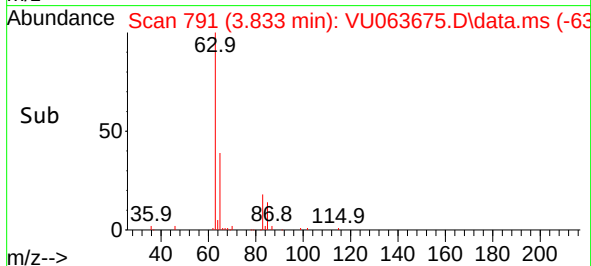
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



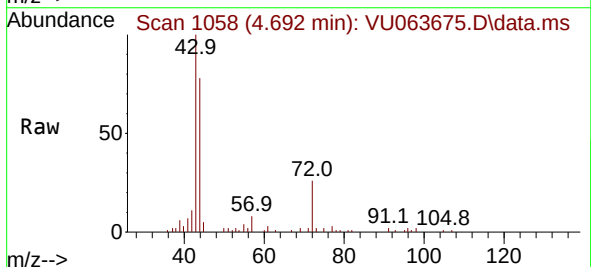
Tgt Ion: 63 Resp: 3163
Ion Ratio Lower Upper
63 100
98 7.5 3.5 10.5
100 4.6 2.2 6.6

Manual Integrations
APPROVED

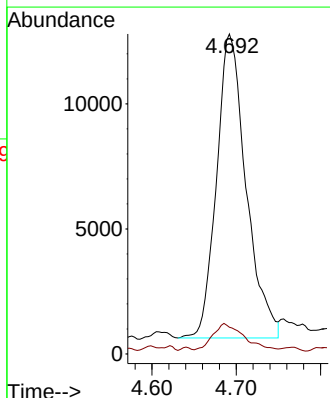
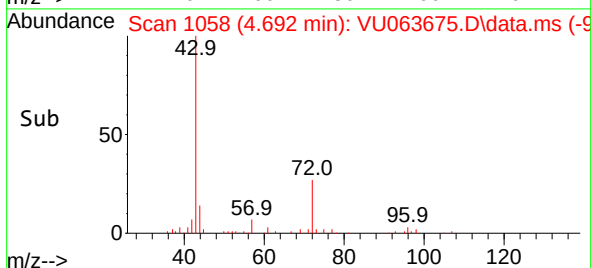
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

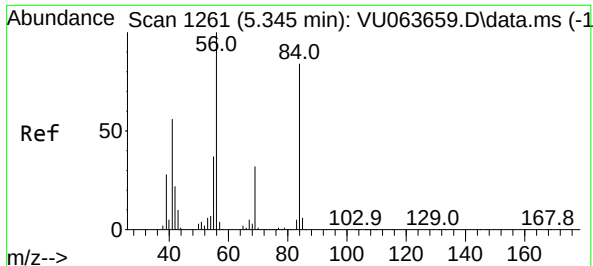


#18
2-Butanone
Concen: 3.883 ug/l
RT: 4.692 min Scan# 1058
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



Tgt Ion: 43 Resp: 29557
Ion Ratio Lower Upper
43 100
57 7.6 0.0 16.6





#19

Cyclohexane

Concen: 0.838 ug/l

RT: 5.345 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU063675.D

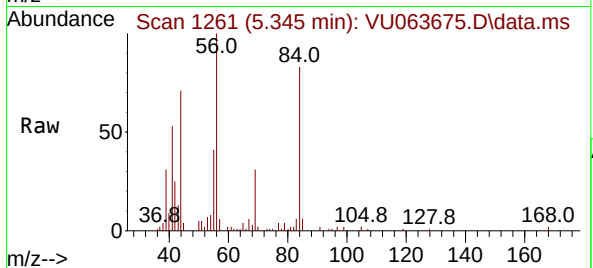
Acq: 05 Nov 2025 16:32

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025



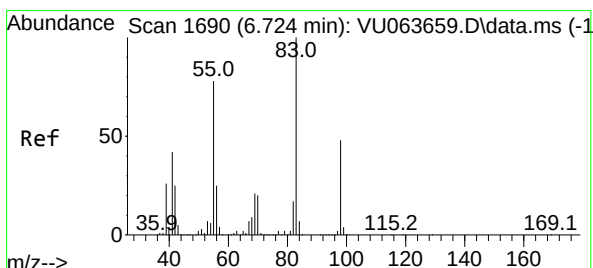
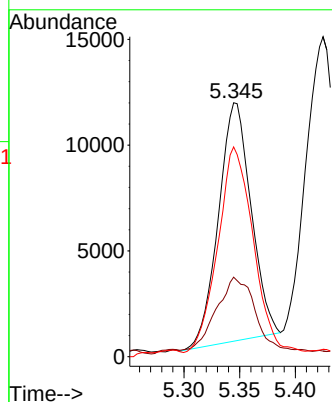
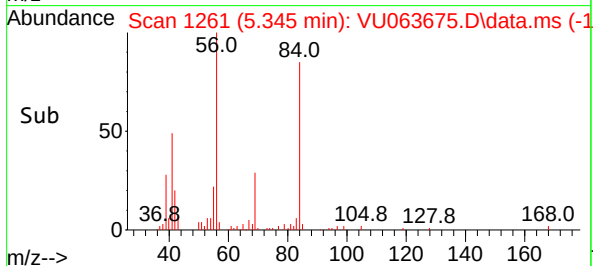
Tgt Ion:	56	Resp:	22962
Ion Ratio	100	Lower	Upper
56	100		
69	36.0	27.1	40.7
84	92.4	73.4	110.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#20

Methylcyclohexane

Concen: 0.820 ug/l

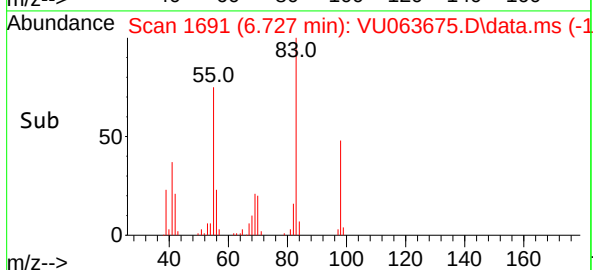
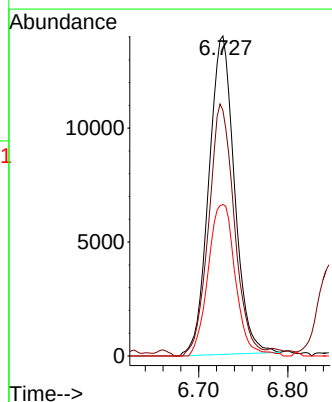
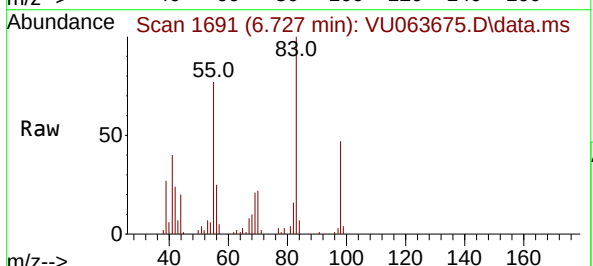
RT: 6.727 min Scan# 1691

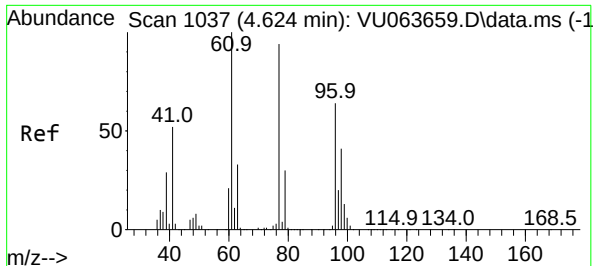
Delta R.T. 0.003 min

Lab File: VU063675.D

Acq: 05 Nov 2025 16:32

Tgt Ion:	83	Resp:	27964
Ion Ratio	100	Lower	Upper
83	100		
55	76.6	61.5	92.3
98	50.5	37.9	56.9





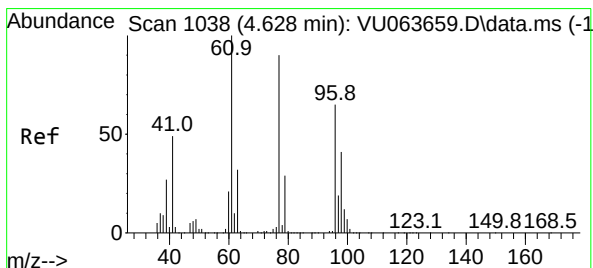
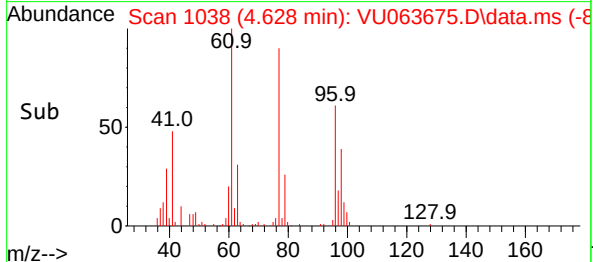
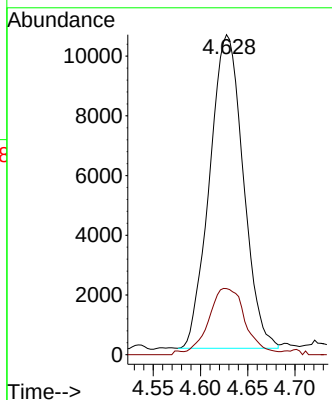
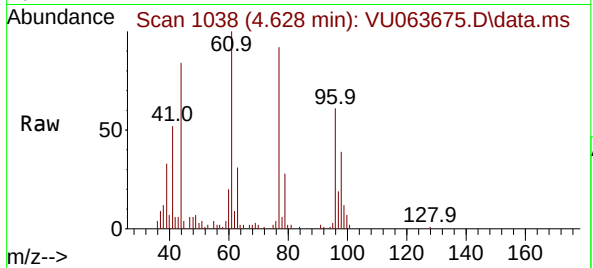
#21
2,2-Dichloropropane
Concen: 0.808 ug/l
RT: 4.628 min Scan# 1037
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025

Tgt Ion: 77 Resp: 26009
Ion Ratio Lower Upper
77 100
97 22.9 17.1 25.7

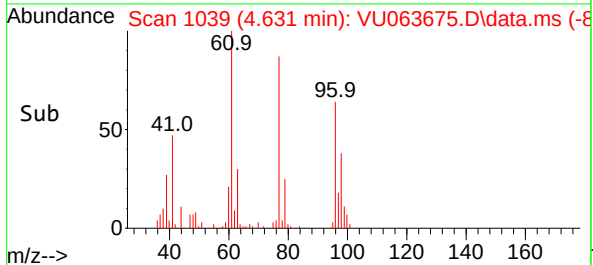
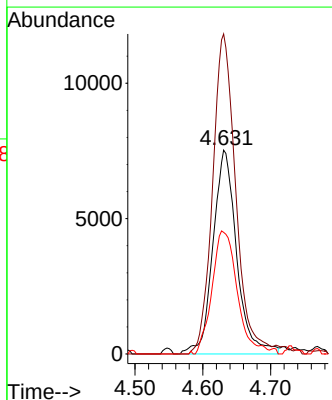
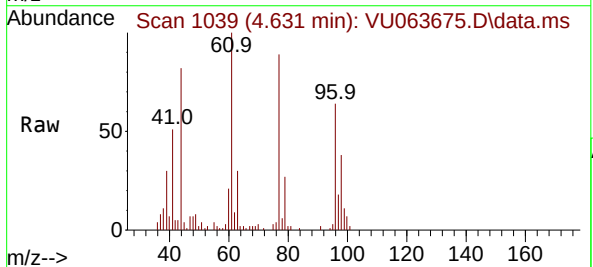
Manual Integrations
APPROVED

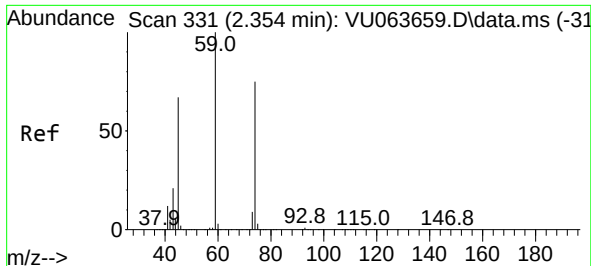
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#22
cis-1,2-Dichloroethene
Concen: 0.889 ug/l
RT: 4.631 min Scan# 1039
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

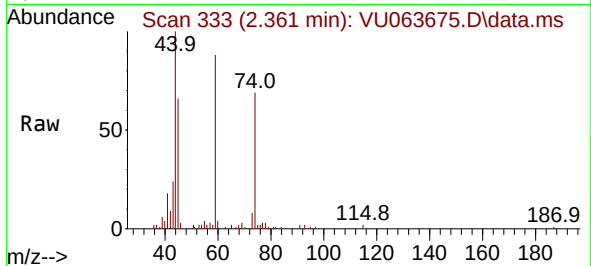
Tgt Ion: 96 Resp: 18326
Ion Ratio Lower Upper
96 100
61 152.2 0.0 385.0
98 64.0 31.3 93.9





#23
Diethyl Ether
Concen: 0.854 ug/l
RT: 2.361 min Scan# 311
Delta R.T. 0.006 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

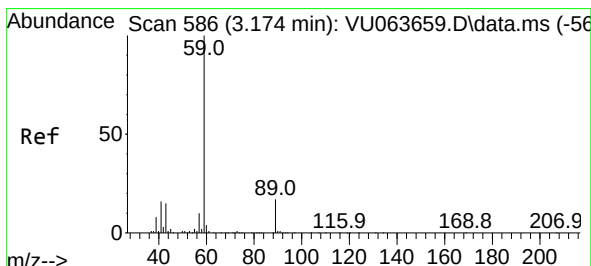
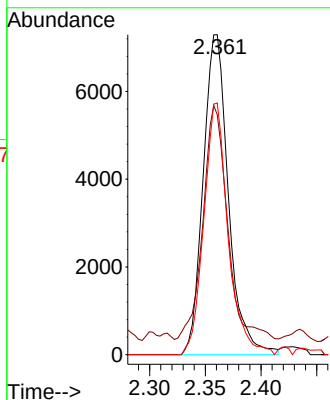
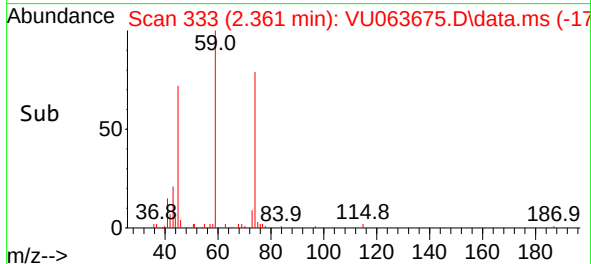
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



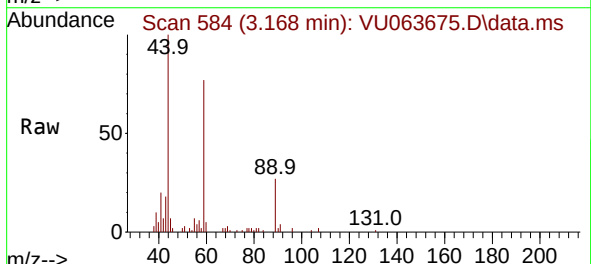
Tgt Ion: 59 Resp: 11498
Ion Ratio Lower Upper
59 100
45 71.3 52.6 78.8
74 75.6 59.4 89.2

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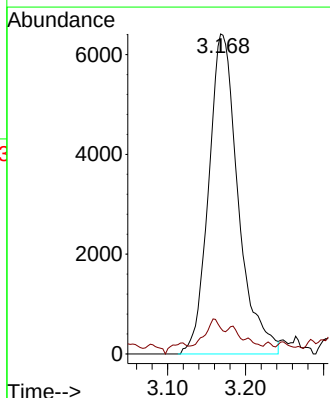
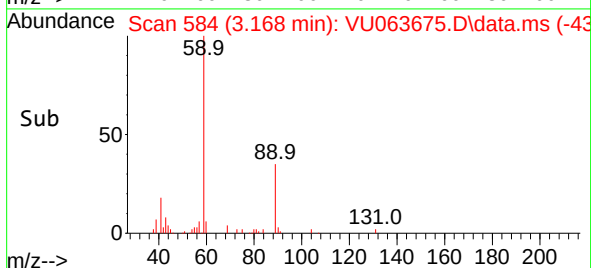
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

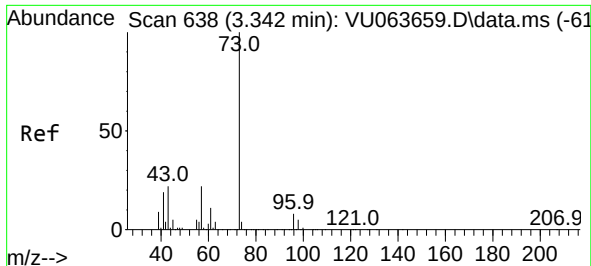


#24
tert-Butyl Alcohol
Concen: 7.284 ug/l
RT: 3.168 min Scan# 584
Delta R.T. -0.007 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



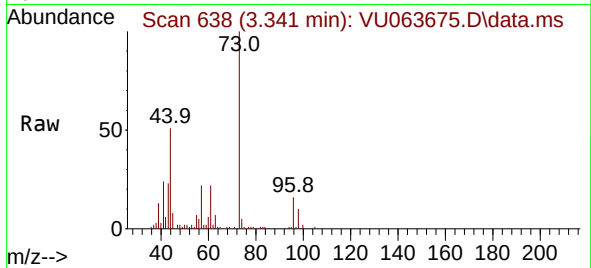
Tgt Ion: 59 Resp: 16896
Ion Ratio Lower Upper
59 100
57 4.5 7.2 10.8#





#25
Methyl tert-Butyl Ether
Concen: 0.831 ug/l
RT: 3.341 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

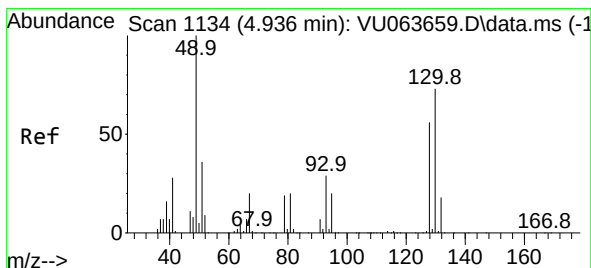
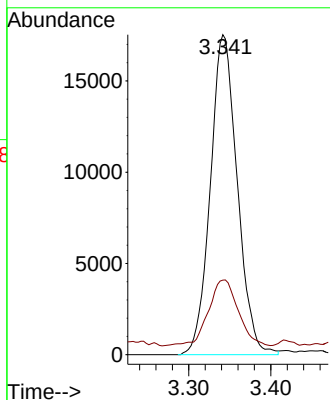
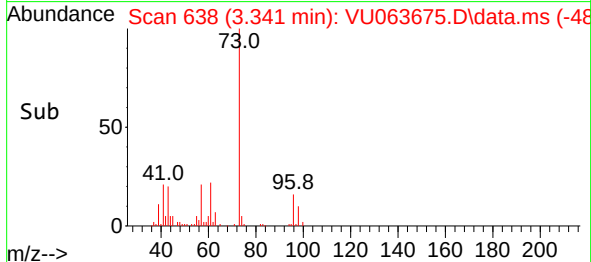
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 73 Resp: 39970
Ion Ratio Lower Upper
73 100
43 22.8 17.4 26.0

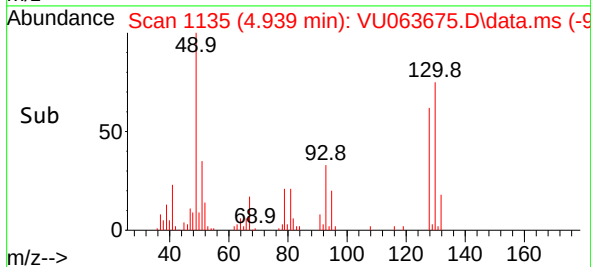
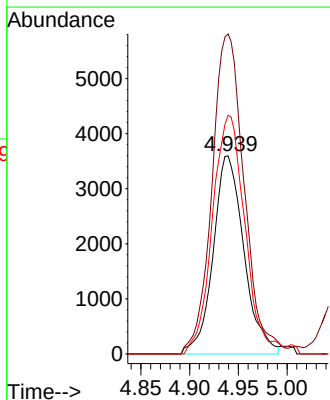
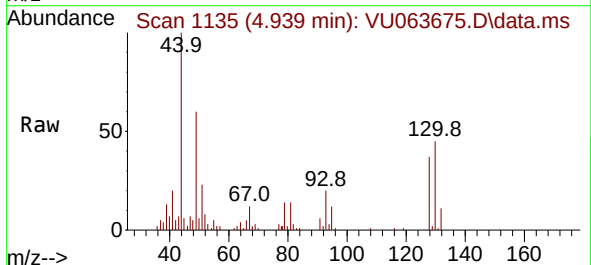
Manual Integrations
APPROVED

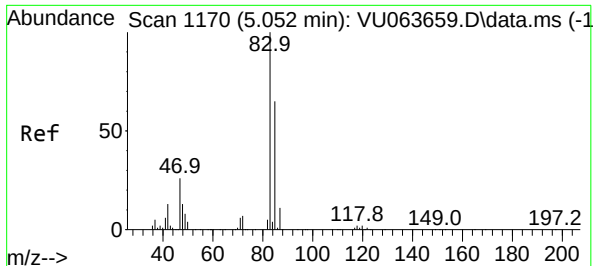
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#26
Bromochloromethane
Concen: 0.907 ug/l
RT: 4.939 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

Tgt Ion:128 Resp: 7886
Ion Ratio Lower Upper
128 100
49 169.1 0.0 349.6
130 127.5 102.7 154.1





#27

Chloroform

Concen: 0.851 ug/l

RT: 5.055 min Scan# 1170

Delta R.T. 0.003 min

Lab File: VU063675.D

Acq: 05 Nov 2025 16:32

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 83 Resp: 31240

Ion Ratio Lower Upper

83 100

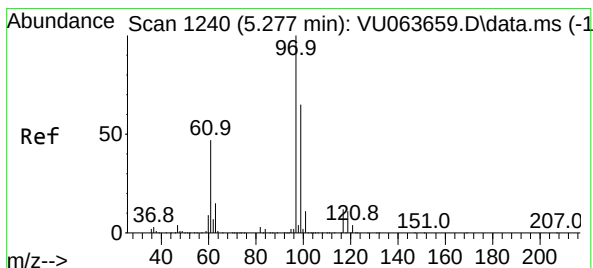
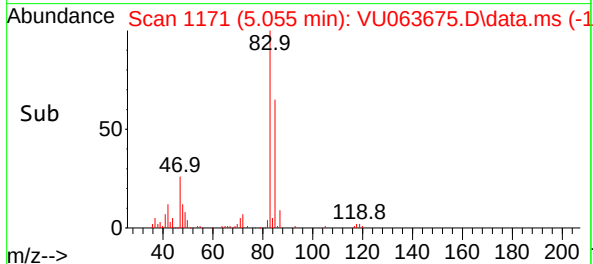
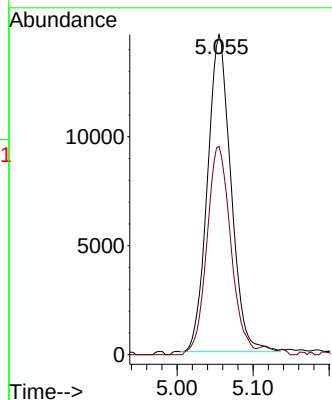
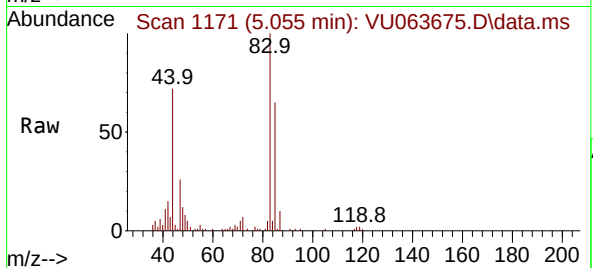
85 65.7 0.0 130.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#28

1,1,1-Trichloroethane

Concen: 0.831 ug/l

RT: 5.280 min Scan# 1241

Delta R.T. 0.003 min

Lab File: VU063675.D

Acq: 05 Nov 2025 16:32

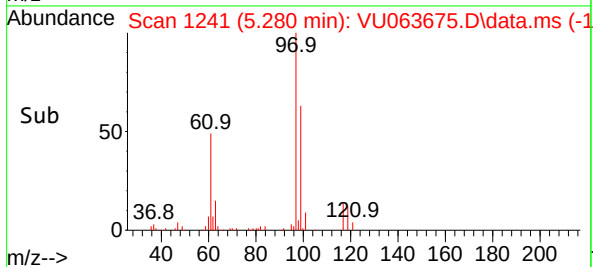
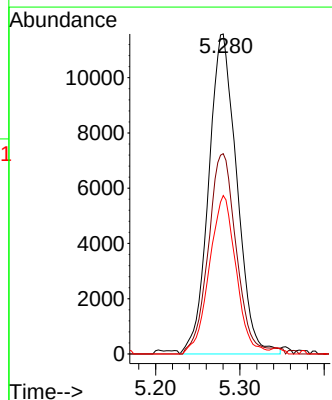
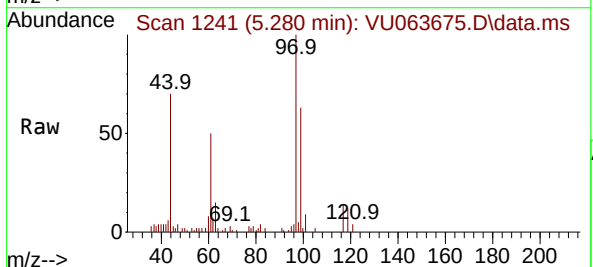
Tgt Ion: 97 Resp: 26883

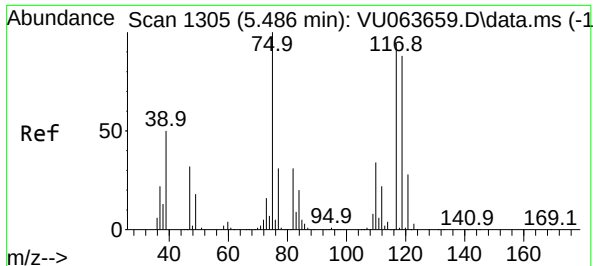
Ion Ratio Lower Upper

97 100

99 62.7 32.3 96.8

61 47.1 23.3 69.8





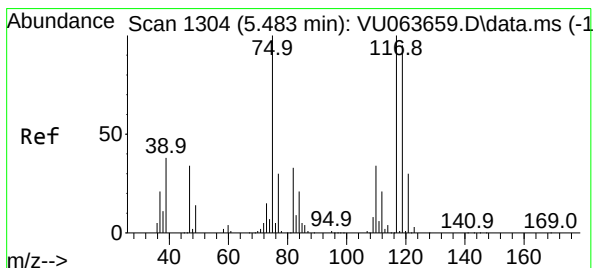
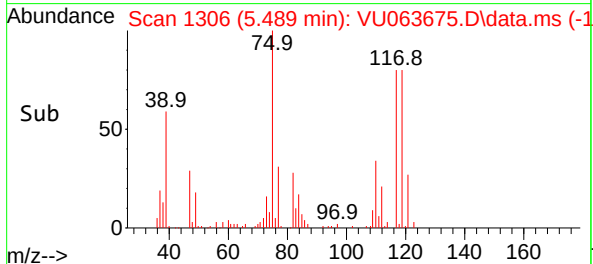
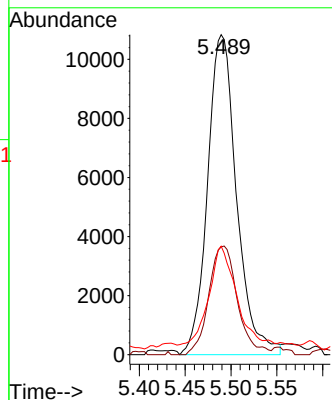
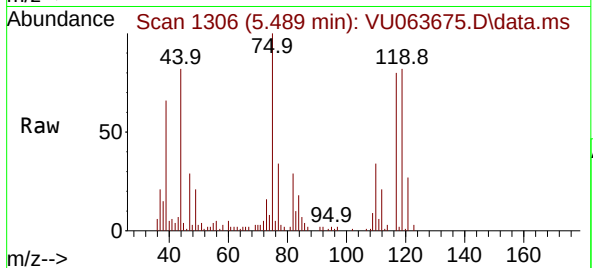
#29
1,1-Dichloropropene
Concen: 0.878 ug/l
RT: 5.489 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion: 75 Resp: 2385
Ion Ratio Lower Upper
75 100
110 33.5 17.2 51.5
77 28.5 24.5 36.7

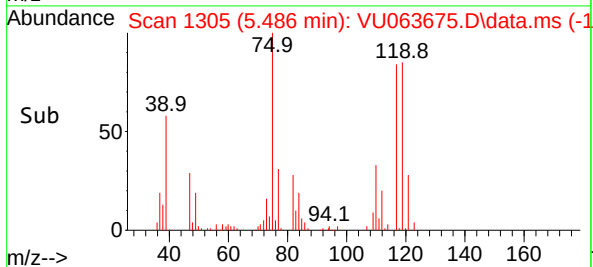
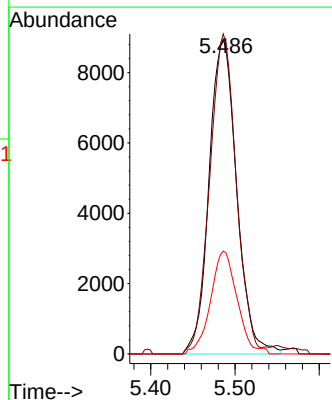
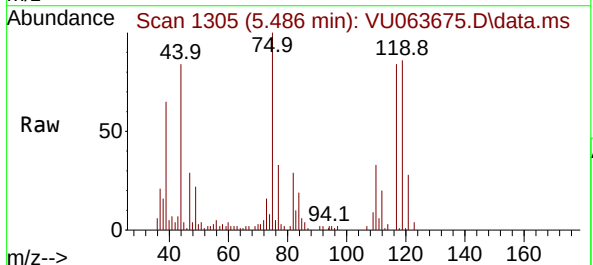
Manual Integrations
APPROVED

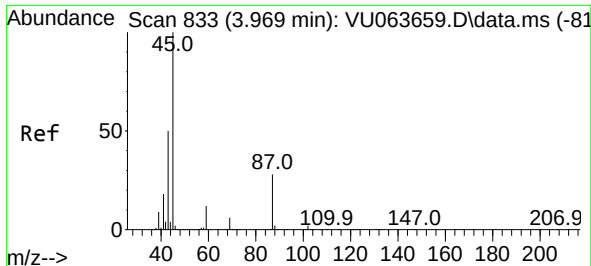
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#30
Carbon Tetrachloride
Concen: 0.796 ug/l
RT: 5.486 min Scan# 1305
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

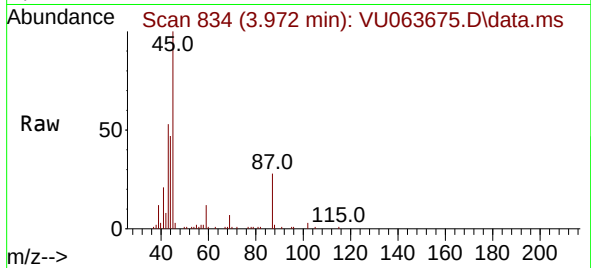
Tgt Ion:117 Resp: 20385
Ion Ratio Lower Upper
117 100
119 101.7 75.7 113.5
121 32.7 23.8 35.6





#31
Isopropyl Ether
Concen: 0.865 ug/l
RT: 3.972 min Scan# 814
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

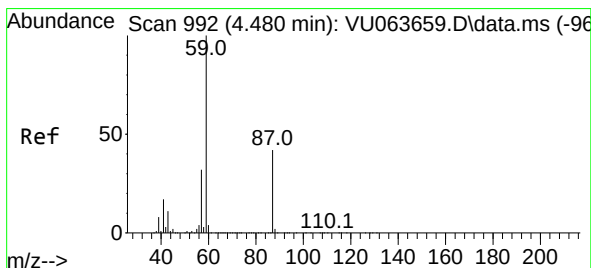
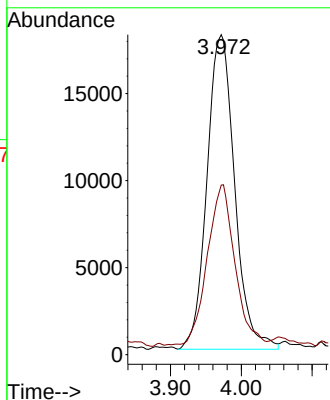
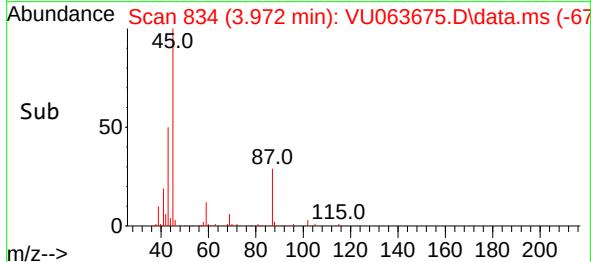
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



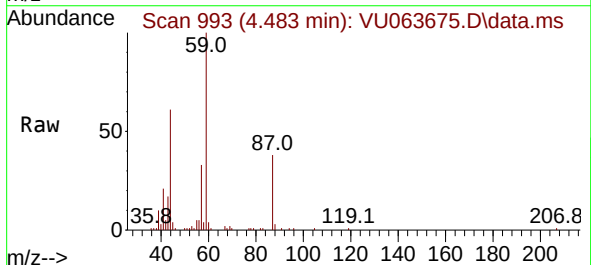
Tgt Ion: 45 Resp: 49148
Ion Ratio Lower Upper
45 100
43 50.8 25.3 75.9

Manual Integrations
APPROVED

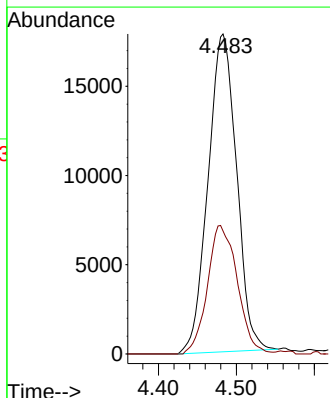
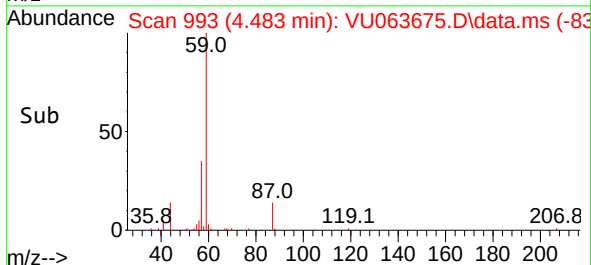
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

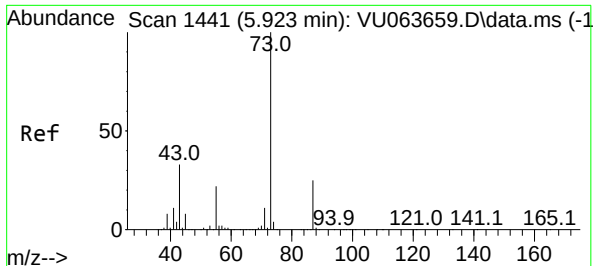


#32
Ethyl-t-butyl ether
Concen: 0.828 ug/l
RT: 4.483 min Scan# 993
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



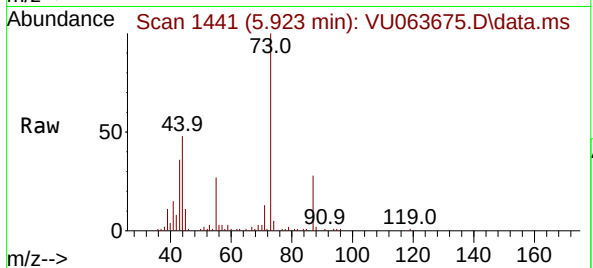
Tgt Ion: 59 Resp: 45358
Ion Ratio Lower Upper
59 100
87 41.5 33.0 49.6





#33
Tert-Amyl methyl ether
Concen: 0.857 ug/l
RT: 5.923 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

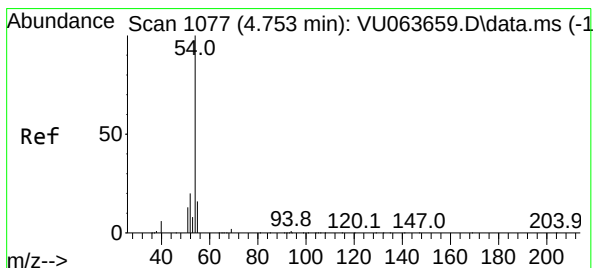
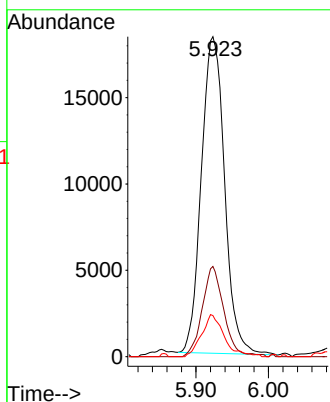
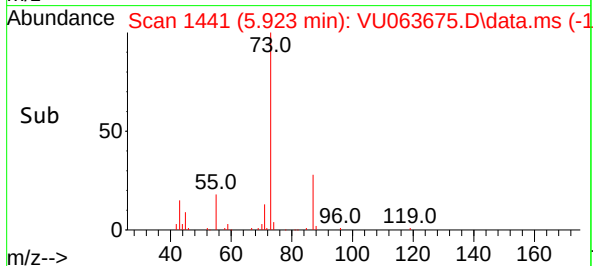
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



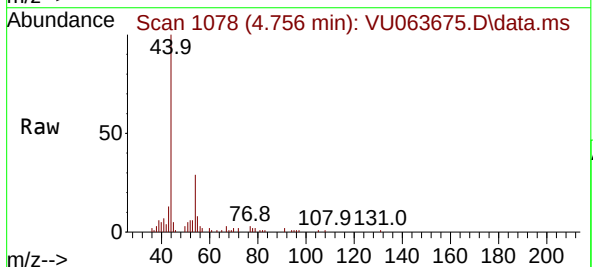
Tgt Ion: 73 Resp: 4084
Ion Ratio Lower Upper
73 100
87 25.0 20.0 30.0
71 12.9 9.0 13.4

Manual Integrations
APPROVED

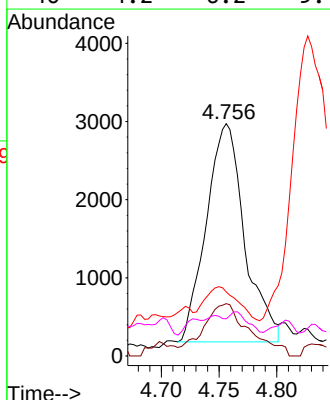
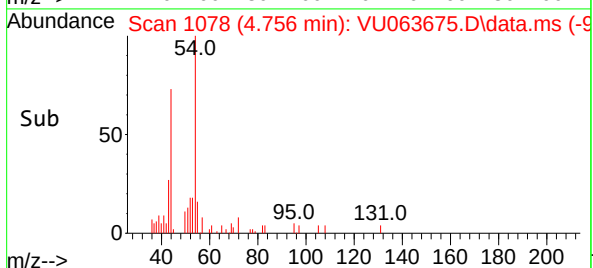
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

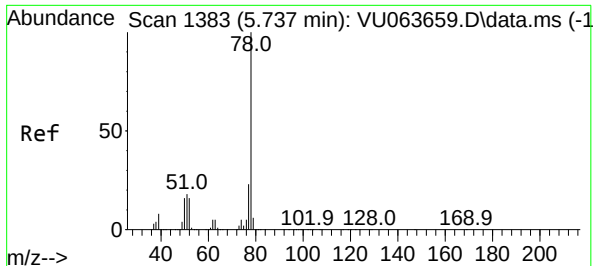


#34
Propionitrile
Concen: 4.331 ug/l
RT: 4.756 min Scan# 1078
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



Tgt Ion: 54 Resp: 6441
Ion Ratio Lower Upper
54 100
52 29.1 15.8 23.6#
55 12.7 11.3 16.9
40 4.2 6.2 9.4#





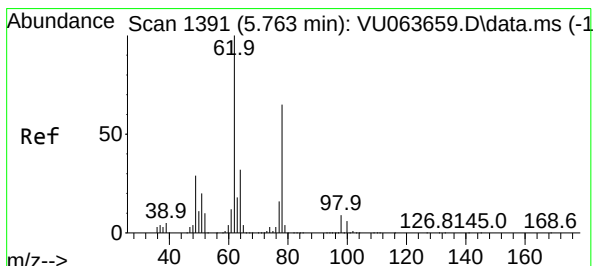
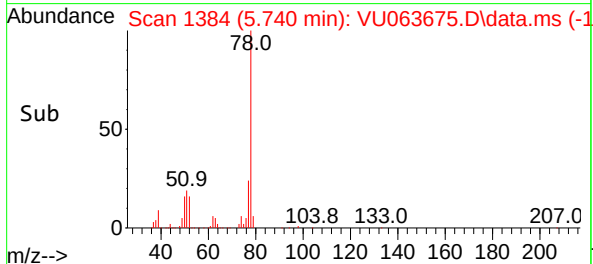
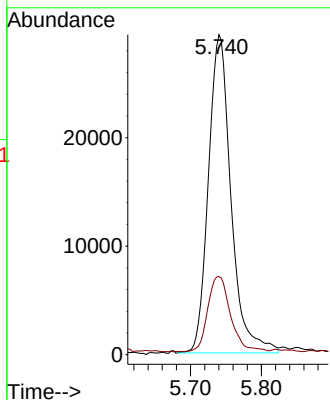
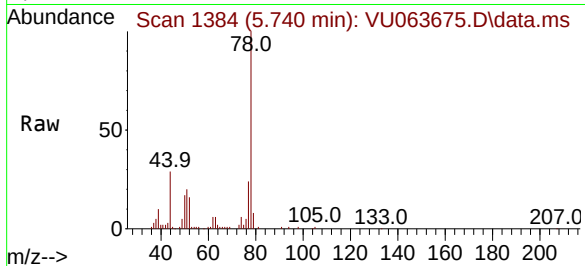
#35
Benzene
Concen: 0.849 ug/l
RT: 5.740 min Scan# 1383
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion: 78 Resp: 6505
Ion Ratio Lower Upper
78 100
77 23.5 18.3 27.5

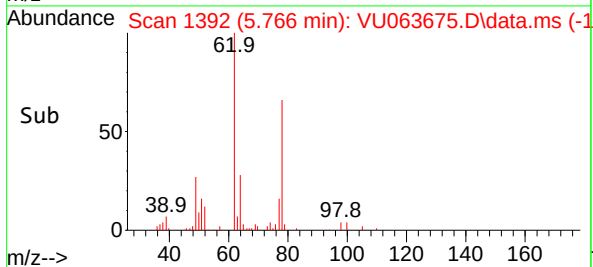
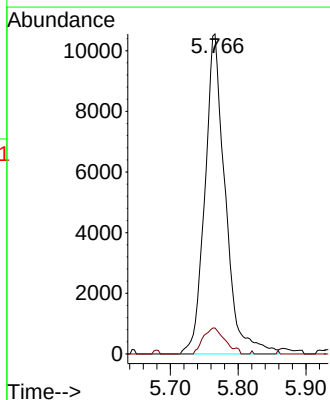
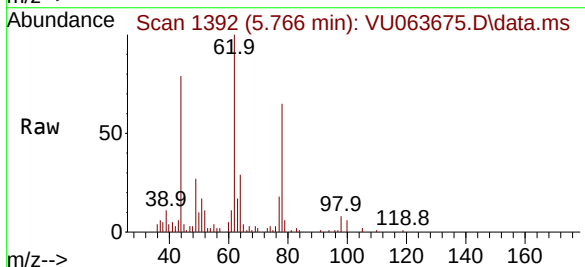
Manual Integrations
APPROVED

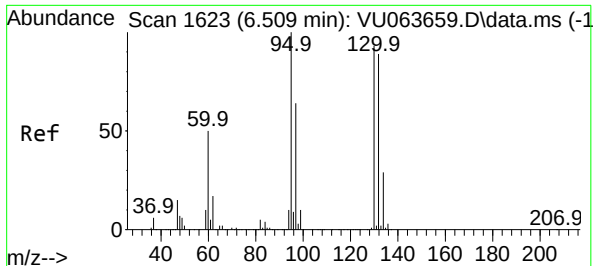
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#36
1,2-Dichloroethane
Concen: 0.899 ug/l
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

Tgt Ion: 62 Resp: 22110
Ion Ratio Lower Upper
62 100
98 8.6 6.8 10.2





#37

Trichloroethene

Concen: 0.854 ug/l

RT: 6.508 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063675.D

Acq: 05 Nov 2025 16:32

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion:130 Resp: 1864

Ion Ratio Lower Upper

130 100

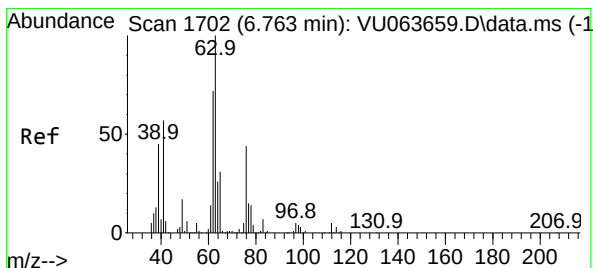
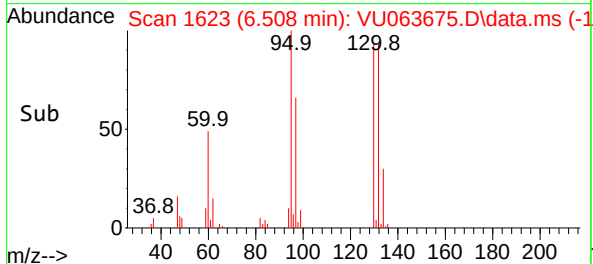
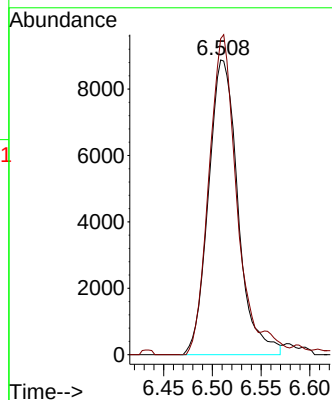
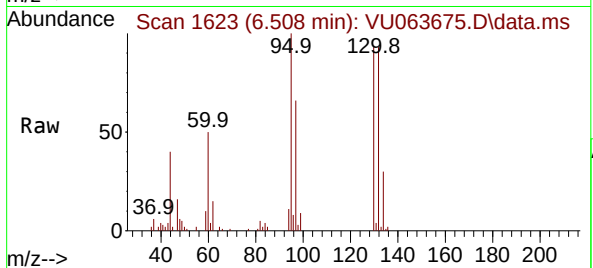
95 107.2 86.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#38

1,2-Dichloropropane

Concen: 0.820 ug/l

RT: 6.762 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VU063675.D

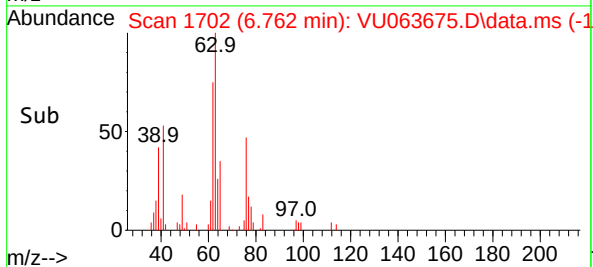
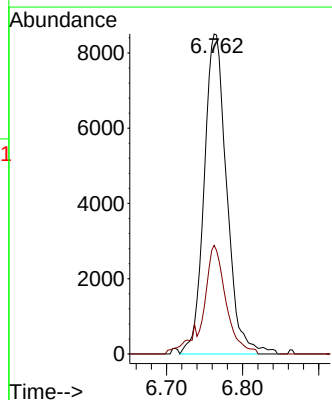
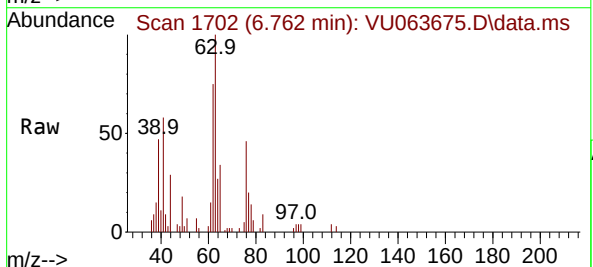
Acq: 05 Nov 2025 16:32

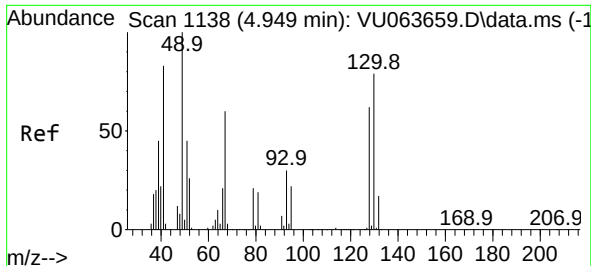
Tgt Ion: 63 Resp: 17573

Ion Ratio Lower Upper

63 100

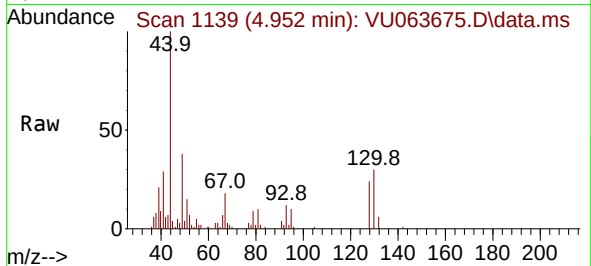
65 33.9 24.5 36.7





#39
Methacrylonitrile
Concen: 0.855 ug/l
RT: 4.952 min Scan# 1138
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

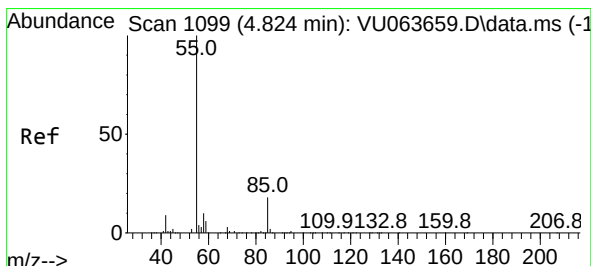
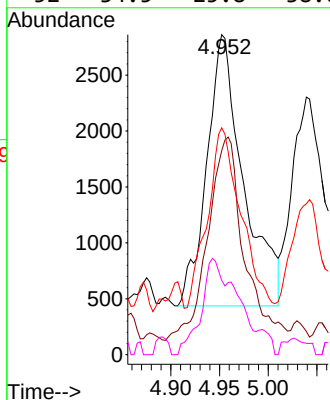
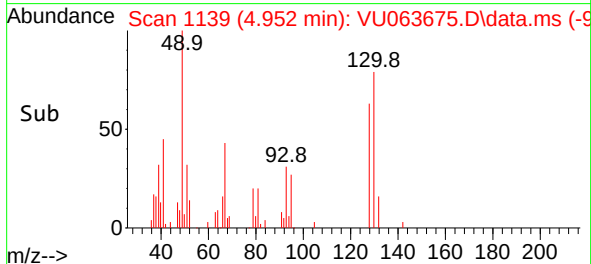
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



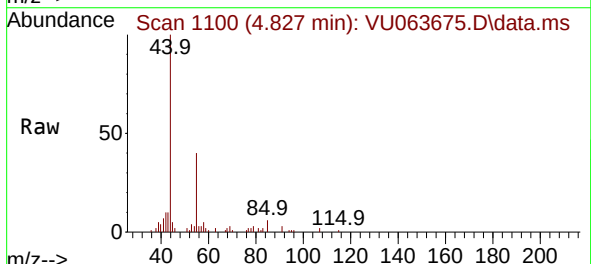
Tgt Ion	Ratio	Lower	Upper
41	100		
67	73.6	61.4	92.2
39	60.5	46.5	69.7
52	34.5	25.8	38.6

Manual Integrations
APPROVED

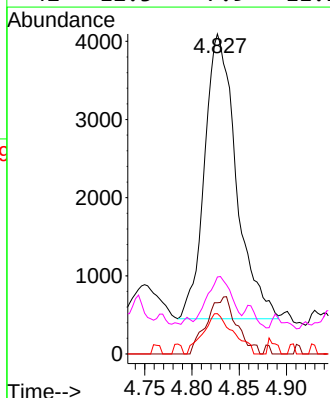
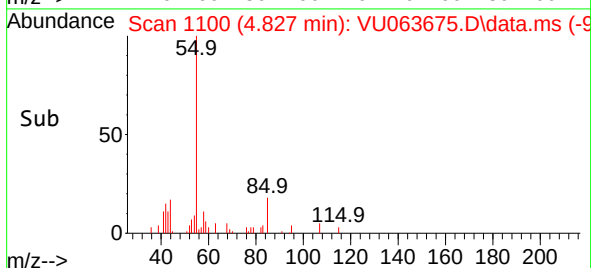
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

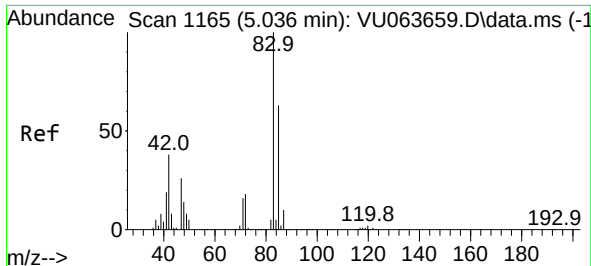


#40
Methyl acrylate
Concen: 0.788 ug/l
RT: 4.827 min Scan# 1100
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



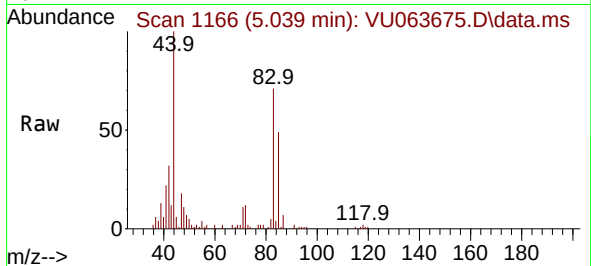
Tgt Ion	Ratio	Lower	Upper
55	100		
85	18.9	15.3	22.9
58	13.4	7.7	11.5#
42	12.3	7.9	11.9#





#41
Tetrahydrofuran
Concen: 2.091 ug/l
RT: 5.039 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

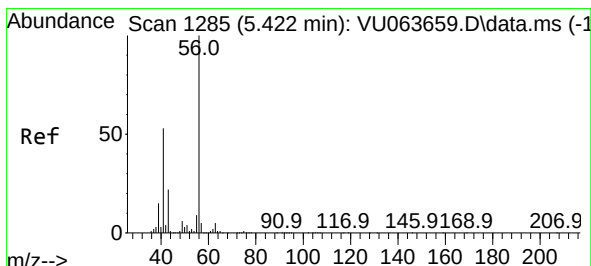
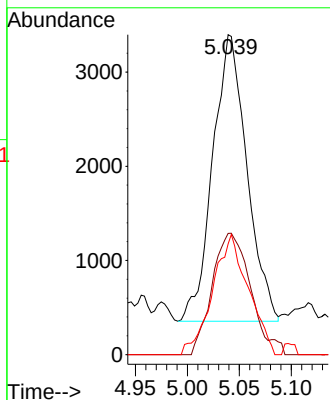
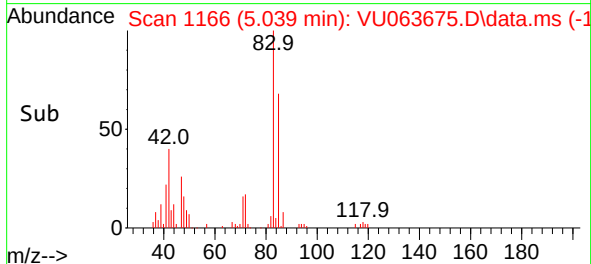
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



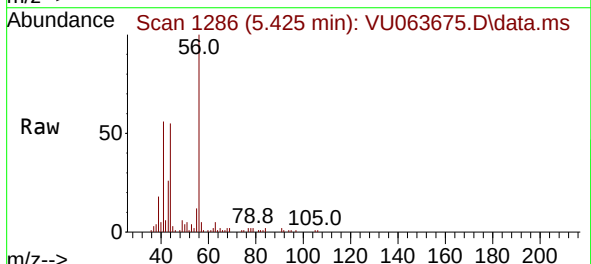
Tgt Ion: 42 Resp: 696
Ion Ratio Lower Upper
42 100
72 47.5 40.5 60.7
71 43.7 35.0 52.6

Manual Integrations
APPROVED

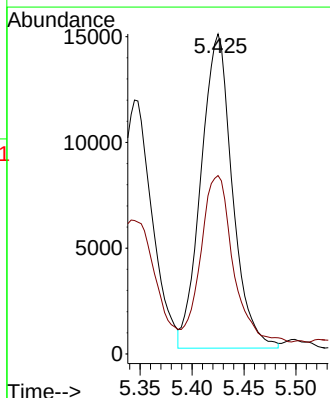
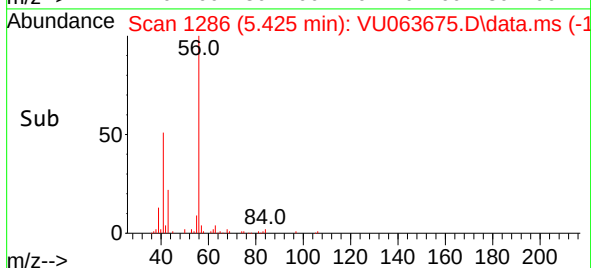
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

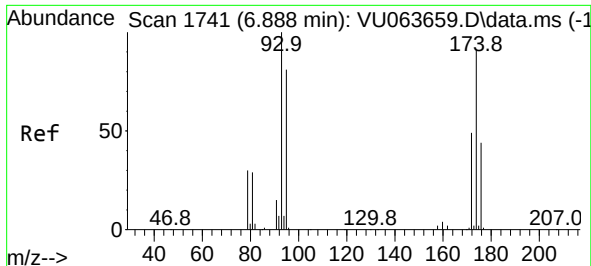


#42
1-Chlorobutane
Concen: 0.857 ug/l
RT: 5.425 min Scan# 1286
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



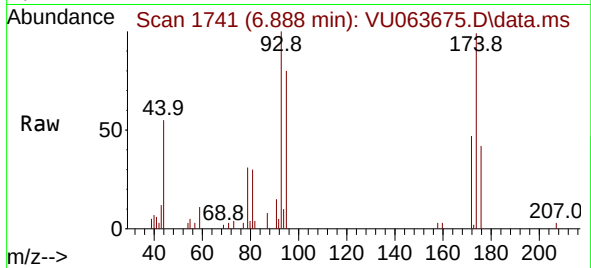
Tgt Ion: 56 Resp: 31220
Ion Ratio Lower Upper
56 100
41 54.1 25.9 77.6





#43
Dibromomethane
Concen: 0.826 ug/l
RT: 6.888 min Scan# 1159
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

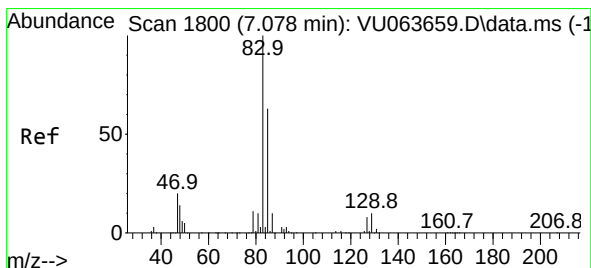
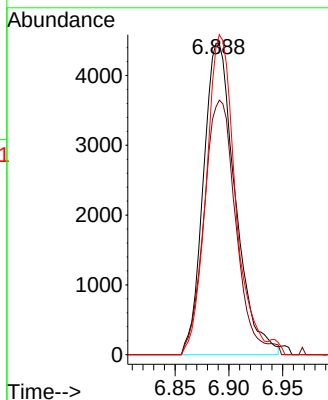
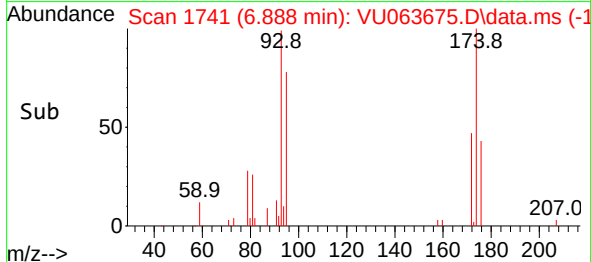
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



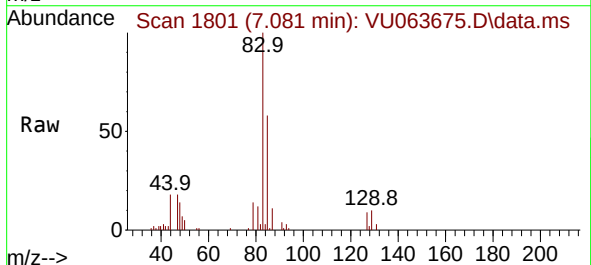
Tgt Ion: 93 Resp: 9159
Ion Ratio Lower Upper
93 100
95 81.7 64.6 97.0
174 93.9 73.8 110.8

Manual Integrations
APPROVED

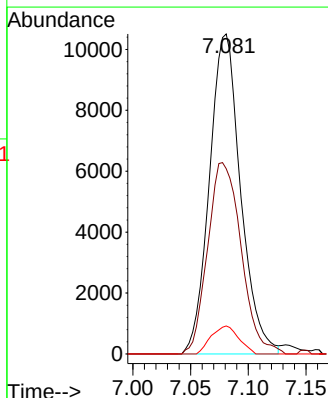
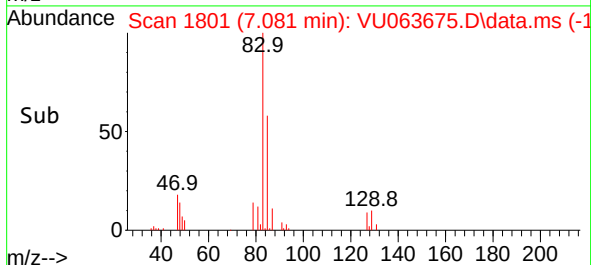
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

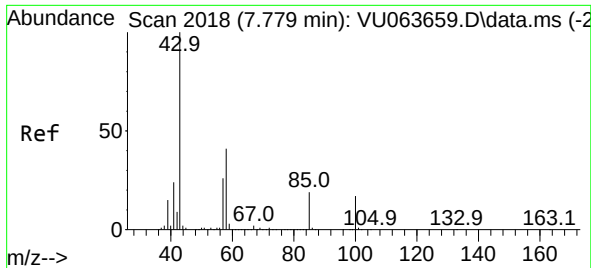


#44
Bromodichloromethane
Concen: 0.729 ug/l
RT: 7.081 min Scan# 1801
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



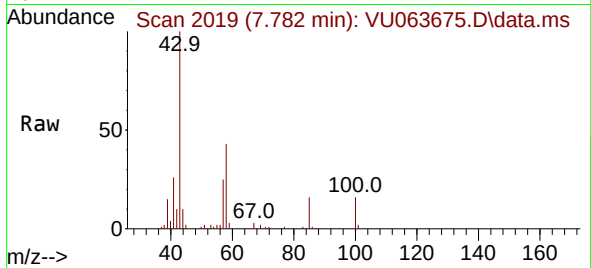
Tgt Ion: 83 Resp: 19761
Ion Ratio Lower Upper
83 100
85 57.9 50.5 75.7
127 8.7 6.4 9.6





#45
4-Methyl-2-Pentanone
Concen: 3.982 ug/l
RT: 7.782 min Scan# 2018
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

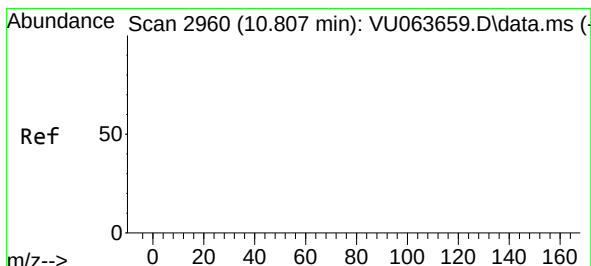
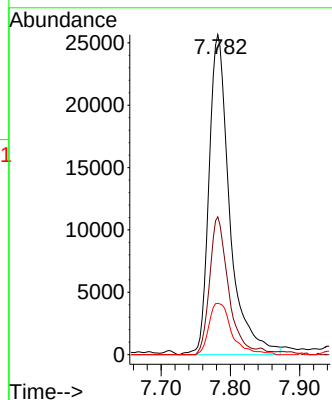
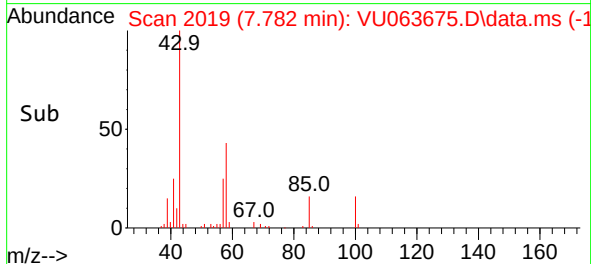
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 43 Resp: 5324
Ion Ratio Lower Upper
43 100
58 38.9 20.2 60.5
85 17.6 15.0 22.6

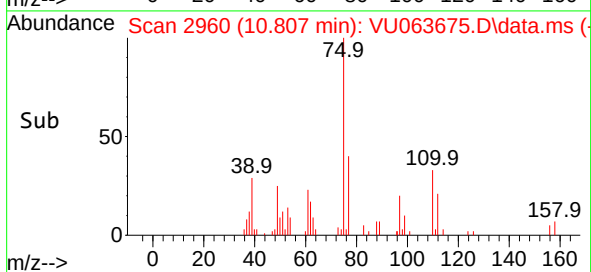
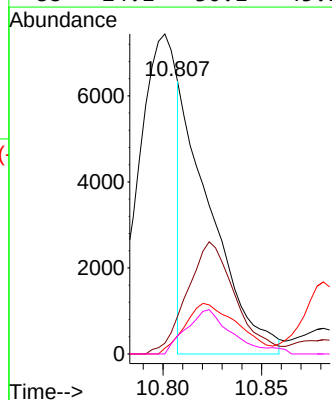
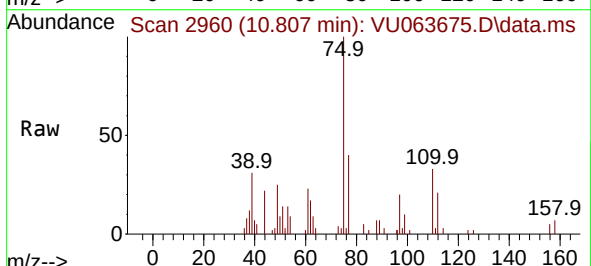
Manual Integrations
APPROVED

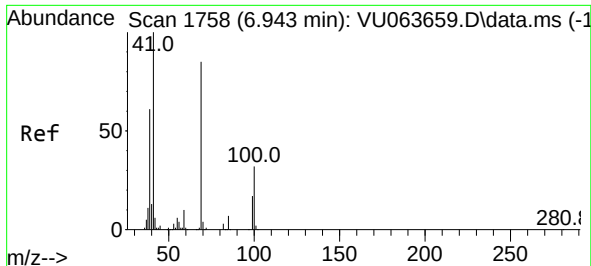
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#46
t-1,4-Dichloro-2-butene
Concen: 1.494 ug/l m
RT: 10.807 min Scan# 2960
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

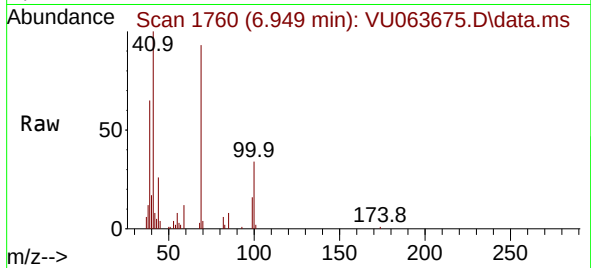
Tgt Ion: 75 Resp: 6931
Ion Ratio Lower Upper
75 100
53 64.2 57.2 85.8
89 32.0 37.9 56.9#
88 24.1 30.1 45.1#





#47
Methyl methacrylate
Concen: 1.642 ug/l
RT: 6.949 min Scan# 1758
Delta R.T. 0.006 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

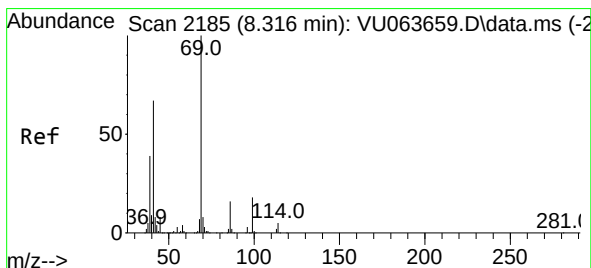
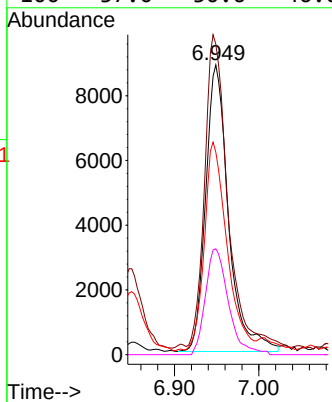
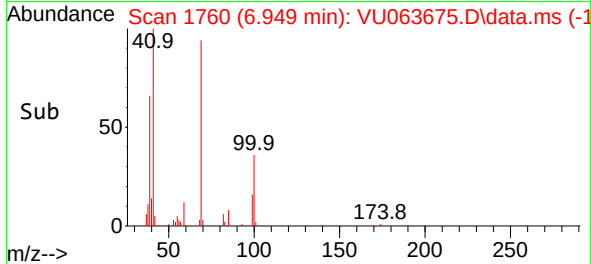
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



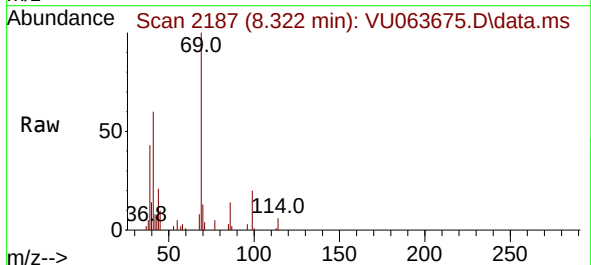
Tgt Ion: 69 Resp: 1675
Ion Ratio Lower Upper
69 100
41 109.4 0.0 228.2
39 72.2 56.2 84.4
100 37.0 30.6 46.0

Manual Integrations
APPROVED

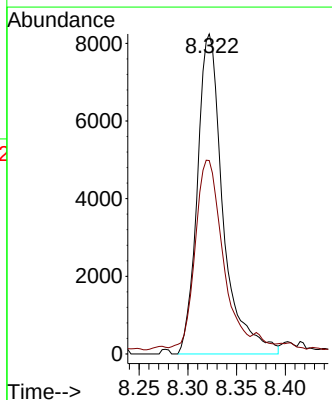
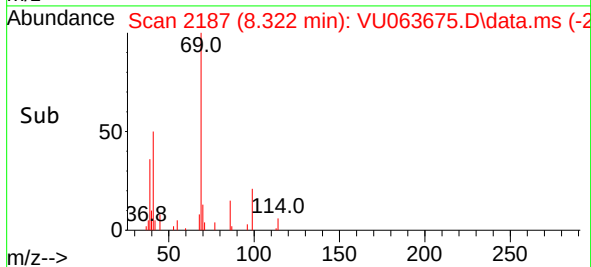
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

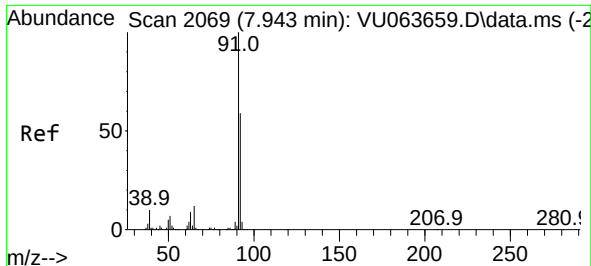


#48
Ethyl methacrylate
Concen: 0.730 ug/l
RT: 8.322 min Scan# 2187
Delta R.T. 0.006 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



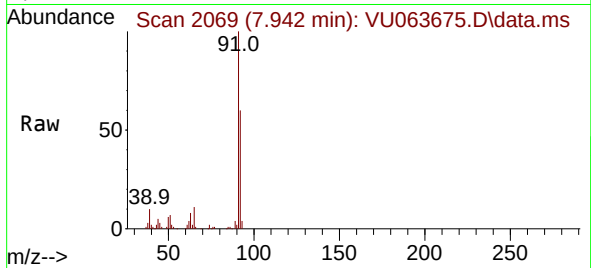
Tgt Ion: 69 Resp: 15157
Ion Ratio Lower Upper
69 100
41 61.3 32.8 98.3





#49
Toluene
Concen: 0.811 ug/l
RT: 7.942 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

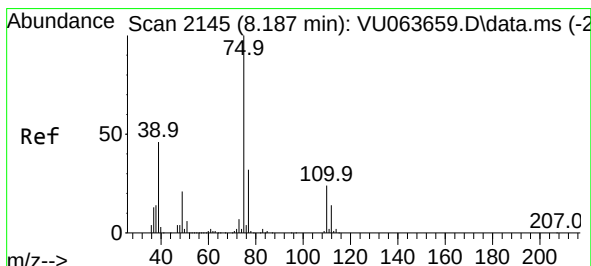
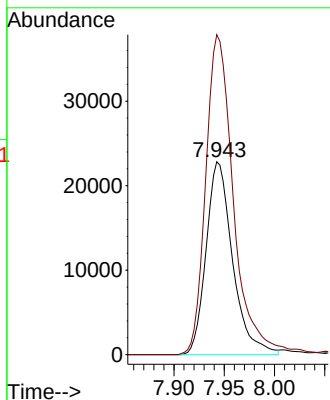
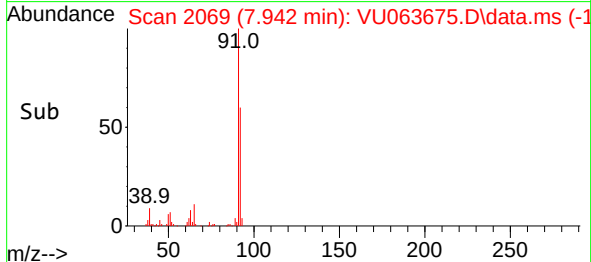
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025



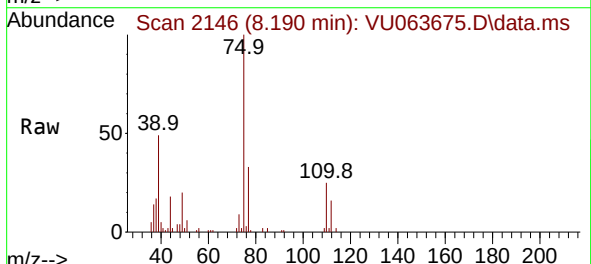
Tgt Ion: 92 Resp: 41902
Ion Ratio Lower Upper
92 100
91 174.9 136.8 205.2

Manual Integrations
APPROVED

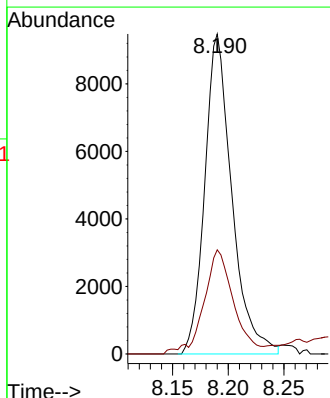
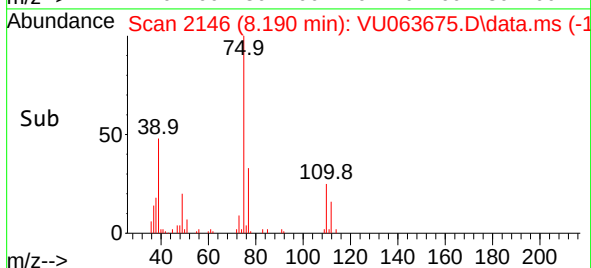
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

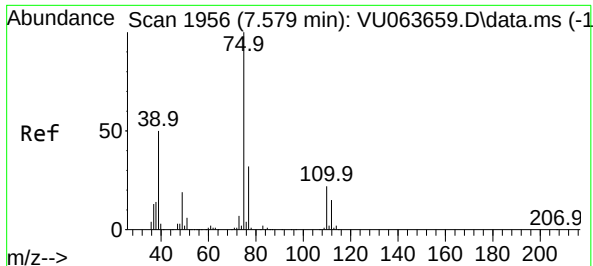


#50
t-1,3-Dichloropropene
Concen: 0.680 ug/l
RT: 8.190 min Scan# 2146
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



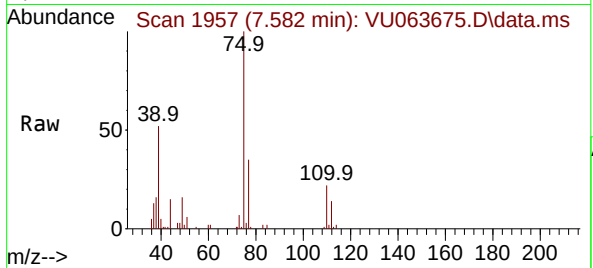
Tgt Ion: 75 Resp: 16034
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.6





#51
 cis-1,3-Dichloropropene
 Concen: 0.738 ug/l
 RT: 7.582 min Scan# 1956
 Delta R.T. 0.003 min
 Lab File: VU063675.D
 Acq: 05 Nov 2025 16:32

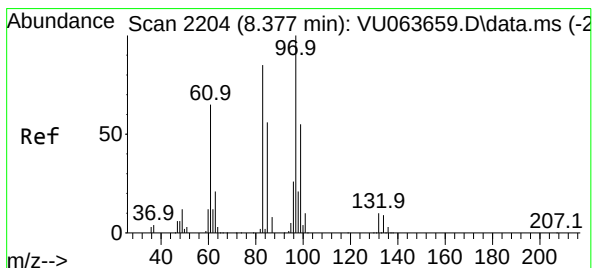
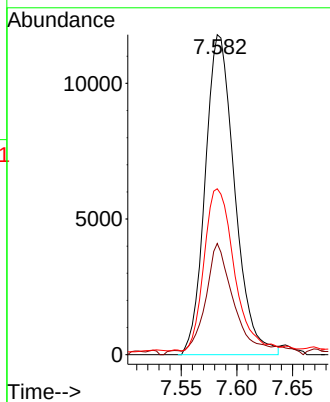
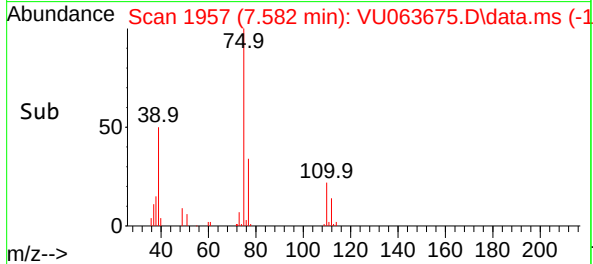
Instrument : MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2025



Tgt Ion: 75 Resp: 2176
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.5 38.3
 39 50.4 39.9 59.9

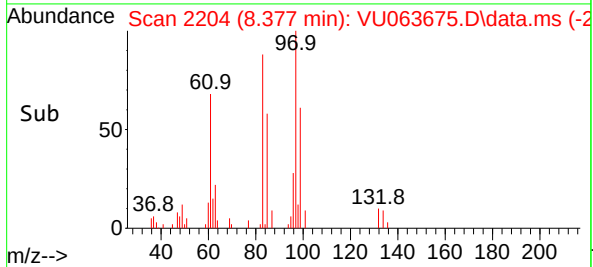
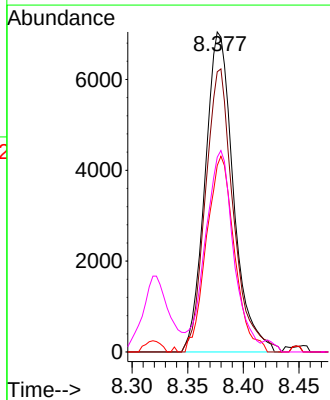
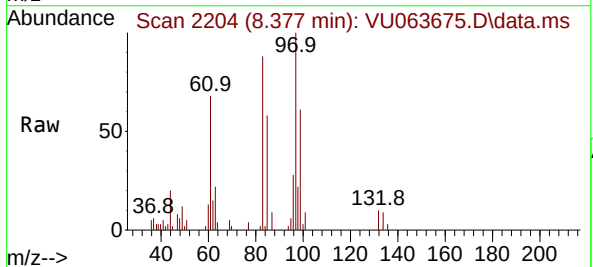
Manual Integrations
 APPROVED

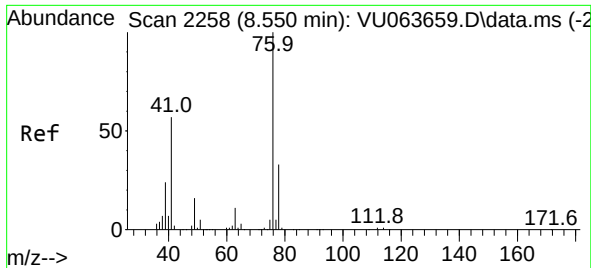
Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025



#52
 1,1,2-Trichloroethane
 Concen: 0.827 ug/l
 RT: 8.377 min Scan# 2204
 Delta R.T. -0.000 min
 Lab File: VU063675.D
 Acq: 05 Nov 2025 16:32

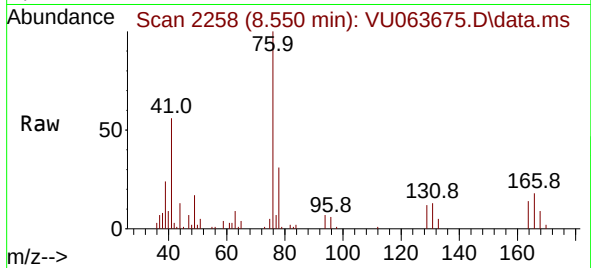
Tgt Ion: 97 Resp: 12462
 Ion Ratio Lower Upper
 97 100
 83 87.6 68.3 102.5
 85 58.3 45.3 67.9
 99 59.2 49.7 74.5





#53
1,3-Dichloropropane
Concen: 0.823 ug/l
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

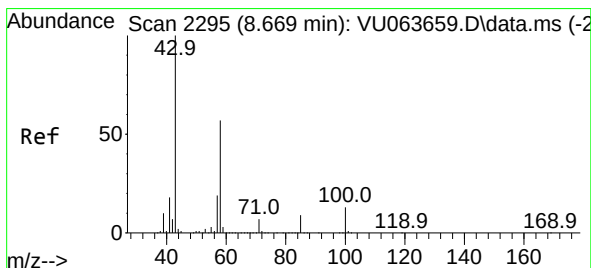
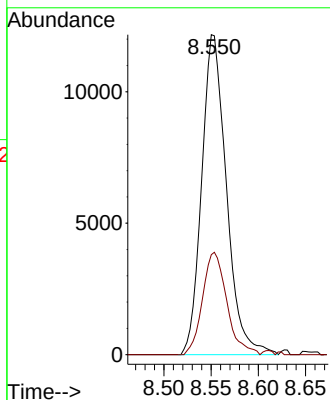
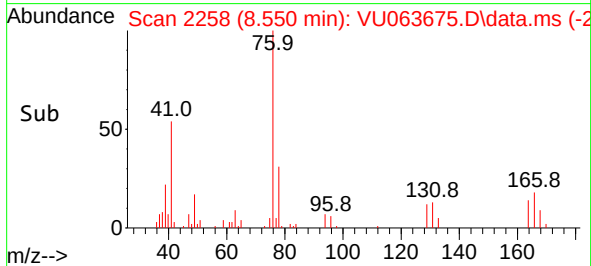
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025



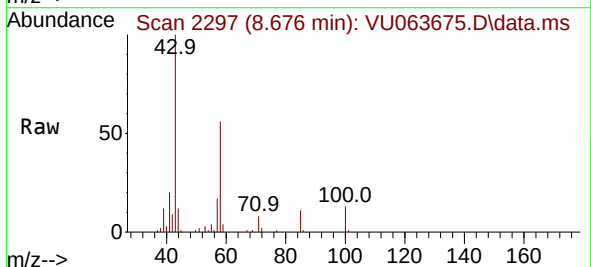
Tgt Ion: 76 Resp: 2216
Ion Ratio Lower Upper
76 100
78 31.4 25.8 38.6

Manual Integrations
APPROVED

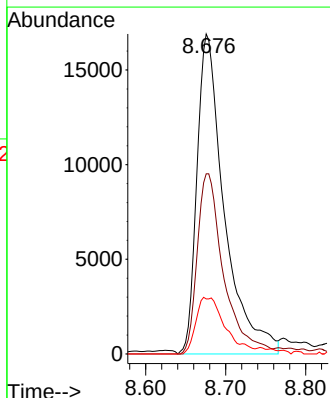
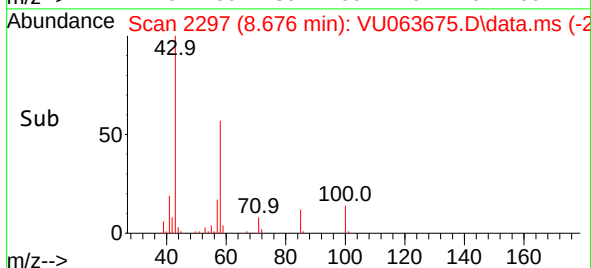
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

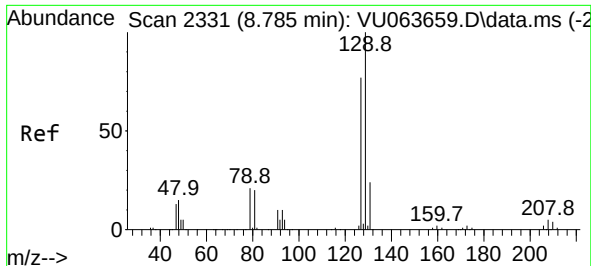


#54
2-Hexanone
Concen: 3.565 ug/l
RT: 8.676 min Scan# 2297
Delta R.T. 0.006 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



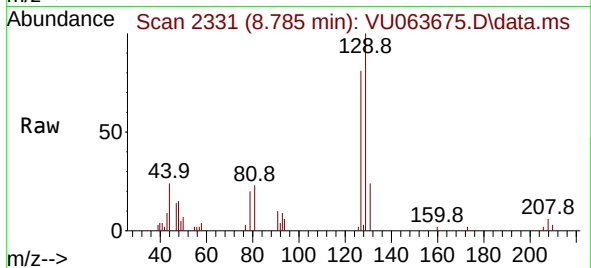
Tgt Ion: 43 Resp: 40239
Ion Ratio Lower Upper
43 100
58 54.3 36.3 76.3
57 18.8 0.0 39.7





#55
Dibromochloromethane
Concen: 0.697 ug/l
RT: 8.785 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

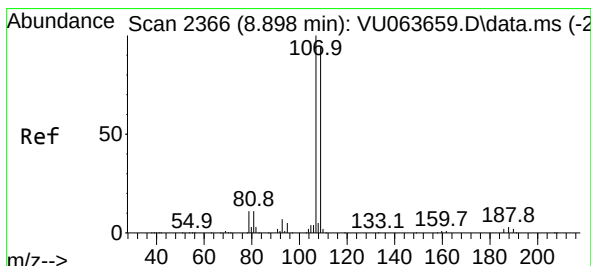
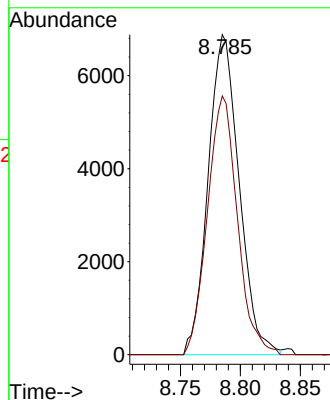
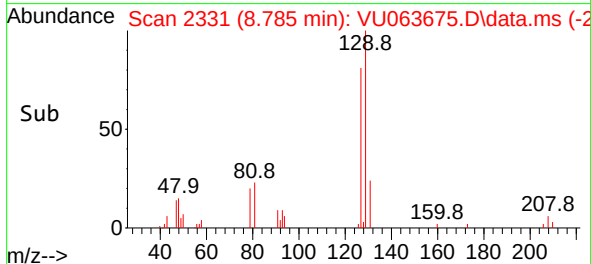
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025



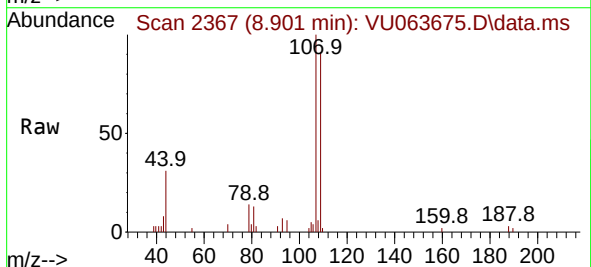
Tgt Ion:129 Resp: 1237
Ion Ratio Lower Upper
129 100
127 77.9 61.4 92.0

Manual Integrations
APPROVED

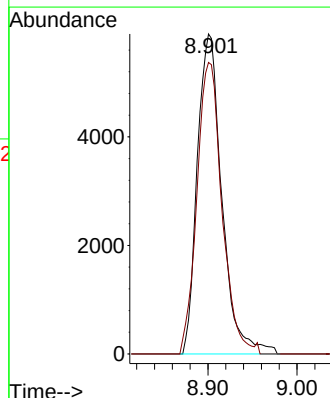
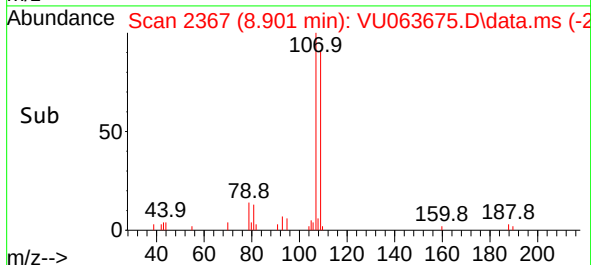
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

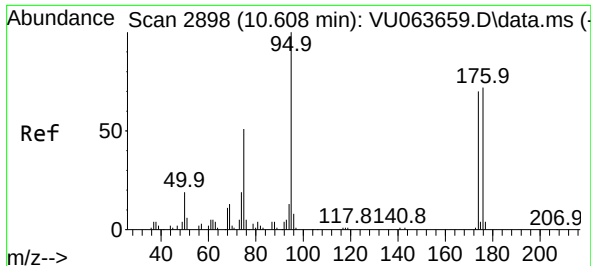


#56
1,2-Dibromoethane
Concen: 0.788 ug/l
RT: 8.901 min Scan# 2367
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



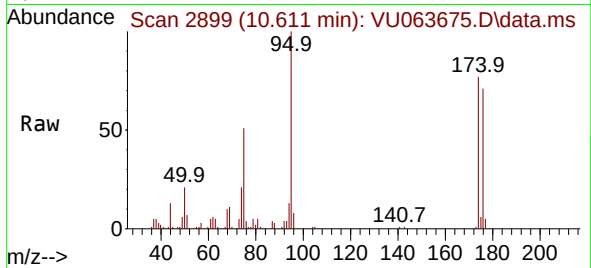
Tgt Ion:107 Resp: 11300
Ion Ratio Lower Upper
107 100
109 93.1 0.0 188.0





#57
4-Bromofluorobenzene
Concen: 0.887 ug/l
RT: 10.611 min Scan# 2898
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

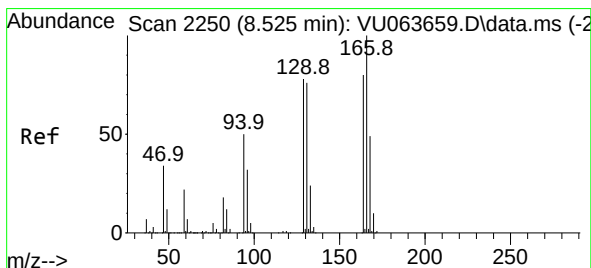
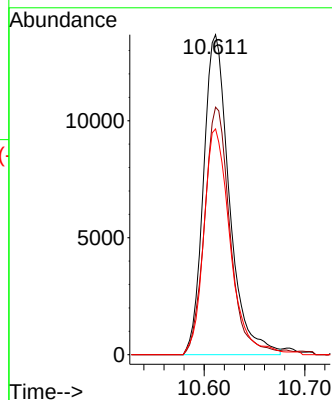
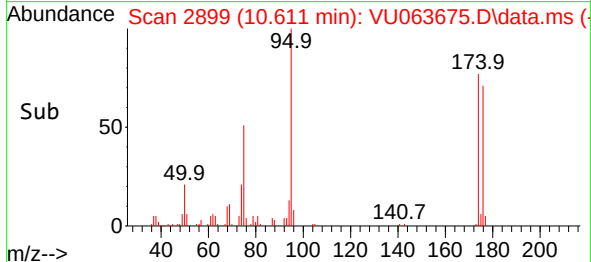
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 95 Resp: 2445
Ion Ratio Lower Upper
95 100
174 76.0 59.9 89.9
176 72.3 58.8 88.2

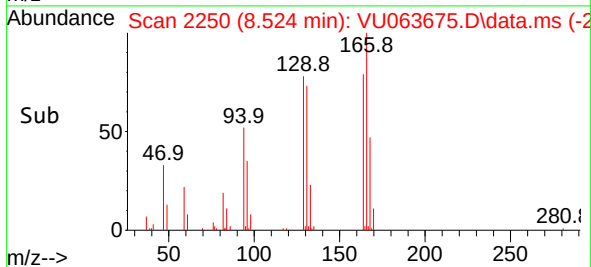
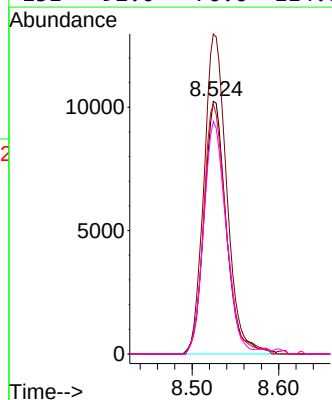
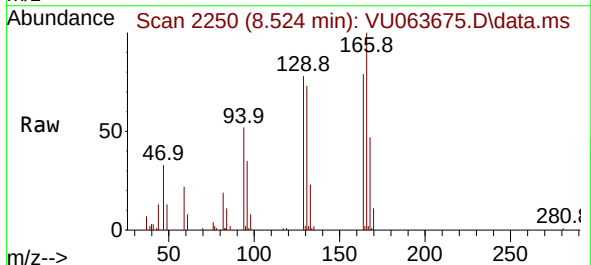
Manual Integrations
APPROVED

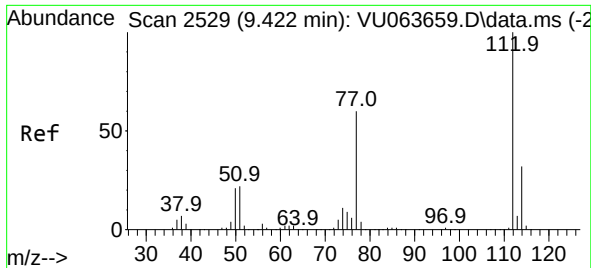
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#58
Tetrachloroethene
Concen: 0.857 ug/l
RT: 8.524 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

Tgt Ion:164 Resp: 18305
Ion Ratio Lower Upper
164 100
166 126.7 100.1 150.1
129 99.0 77.6 116.4
131 92.0 76.6 114.8





#59

Chlorobenzene

Concen: 0.852 ug/l

RT: 9.425 min Scan# 2529

Delta R.T. 0.003 min

Lab File: VU063675.D

Acq: 05 Nov 2025 16:32

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion:112 Resp: 4773

Ion Ratio Lower Upper

112 100

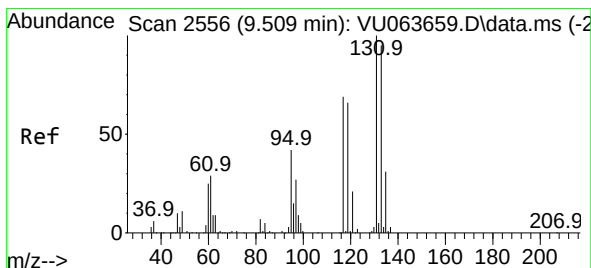
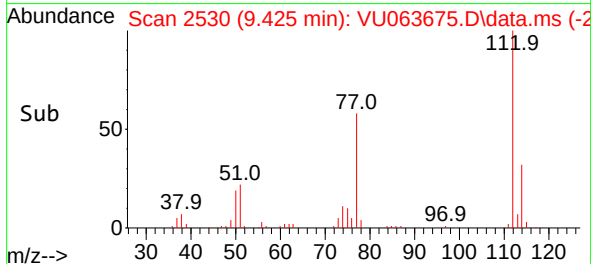
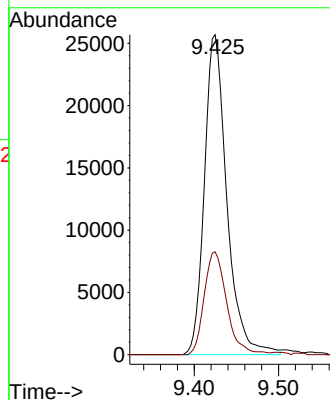
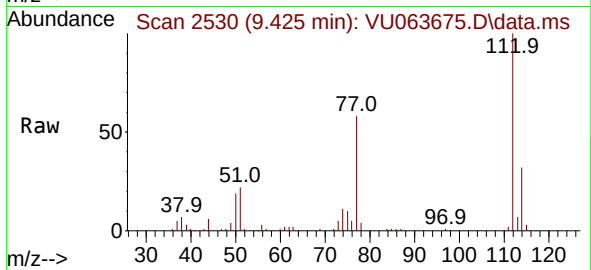
114 32.1 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 0.757 ug/l

RT: 9.508 min Scan# 2556

Delta R.T. -0.000 min

Lab File: VU063675.D

Acq: 05 Nov 2025 16:32

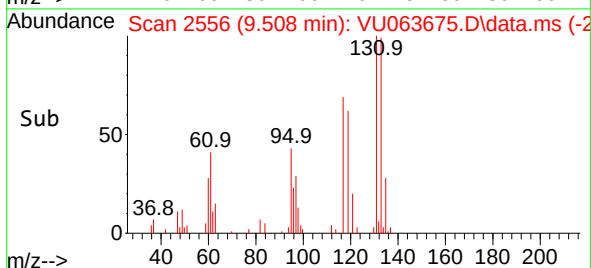
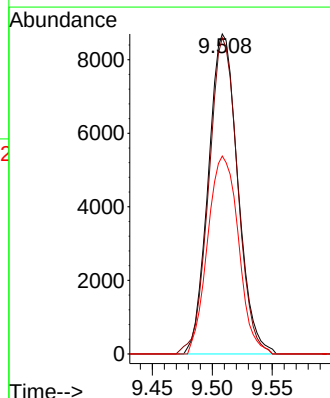
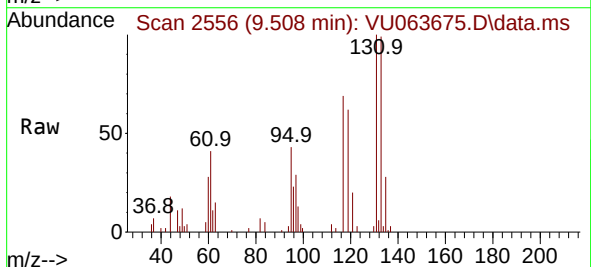
Tgt Ion:131 Resp: 14851

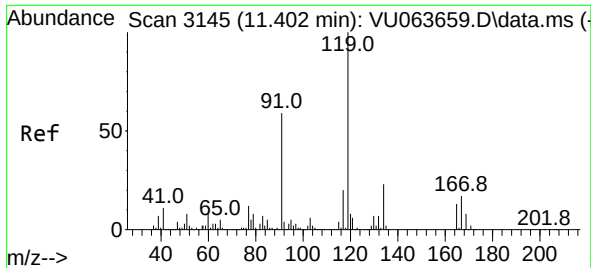
Ion Ratio Lower Upper

131 100

133 96.5 77.0 115.6

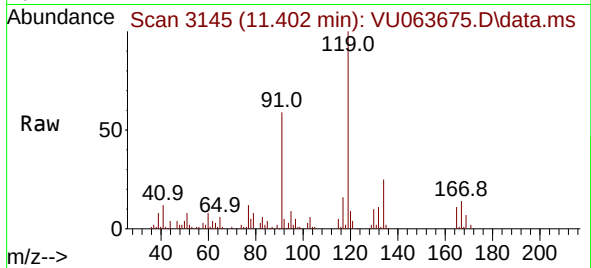
119 64.6 52.8 79.2





#61
Pentachloroethane
Concen: 0.678 ug/l
RT: 11.402 min Scan# 3145
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

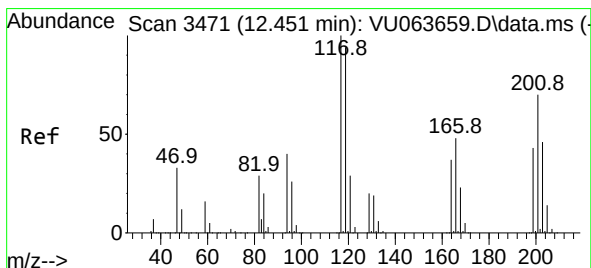
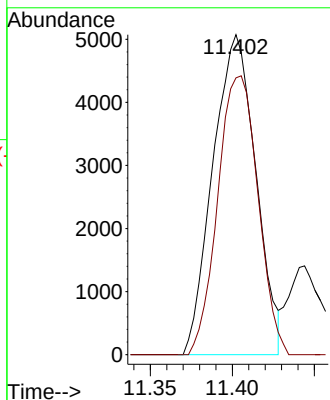
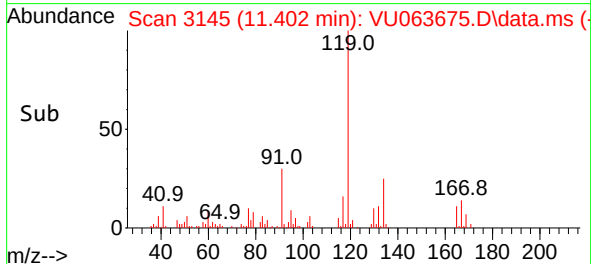
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025



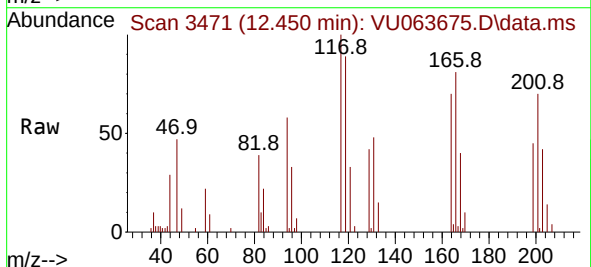
Tgt Ion:117 Resp: 9224
Ion Ratio Lower Upper
117 100
167 81.5 62.8 94.2

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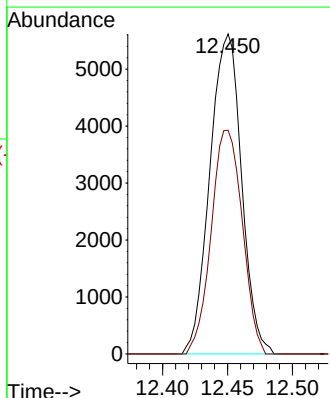
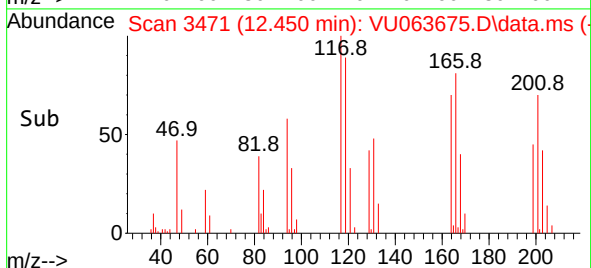
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

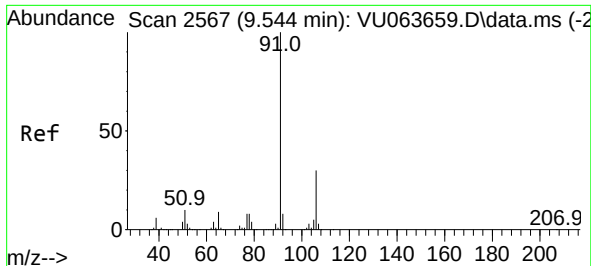


#62
Hexachloroethane
Concen: 0.639 ug/l
RT: 12.450 min Scan# 3471
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



Tgt Ion:117 Resp: 9527
Ion Ratio Lower Upper
117 100
201 68.6 56.3 84.5





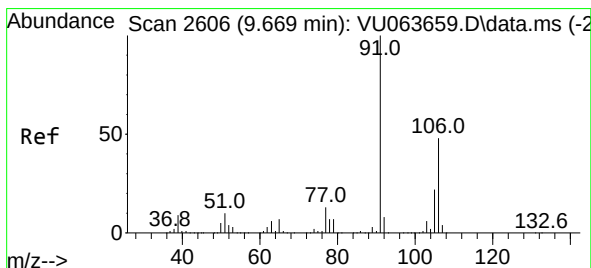
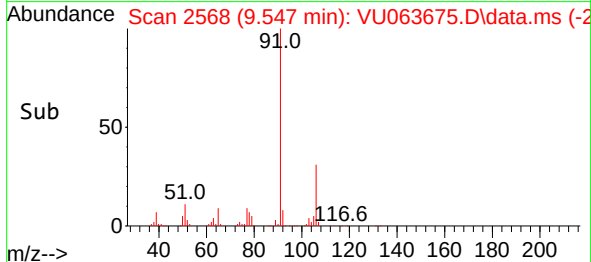
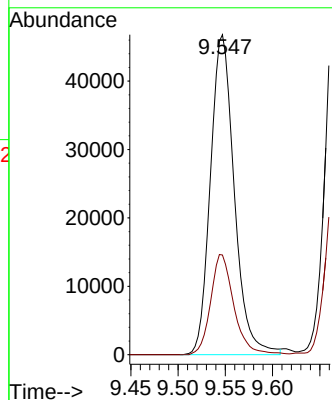
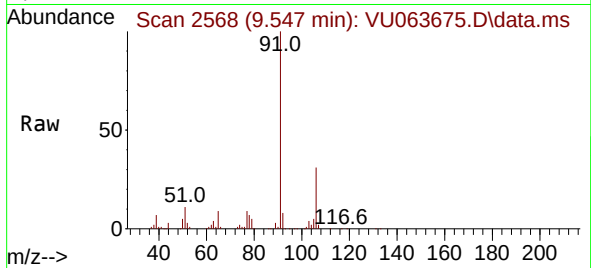
#63
Ethyl Benzene
Concen: 0.809 ug/l
RT: 9.547 min Scan# 2567
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion: 91 Resp: 82080
Ion Ratio Lower Upper
91 100
106 31.1 24.1 36.1

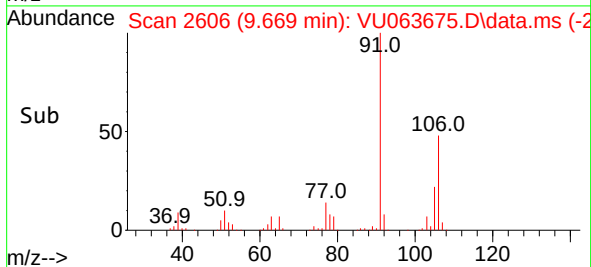
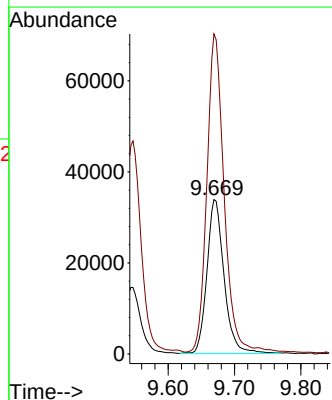
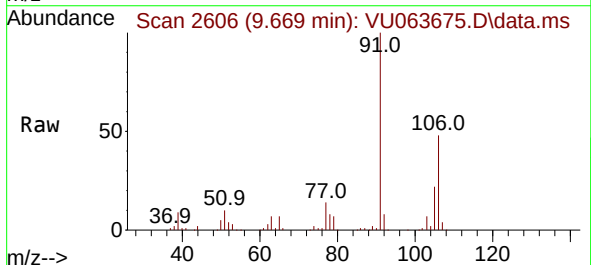
Manual Integrations
APPROVED

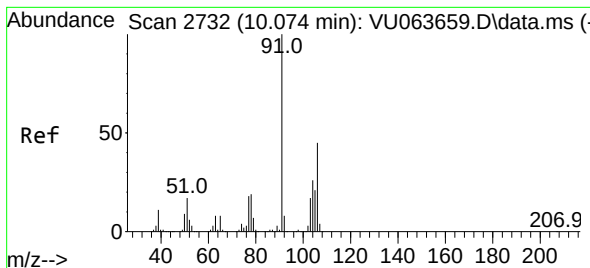
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#64
m/p-Xylenes
Concen: 1.604 ug/l
RT: 9.669 min Scan# 2606
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

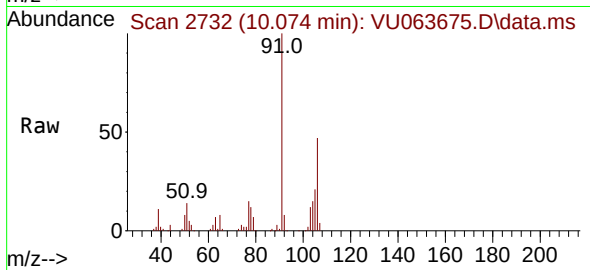
Tgt Ion:106 Resp: 60741
Ion Ratio Lower Upper
106 100
91 204.9 167.0 250.4





#65
o-Xylene
Concen: 0.826 ug/l
RT: 10.074 min Scan# 2732
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

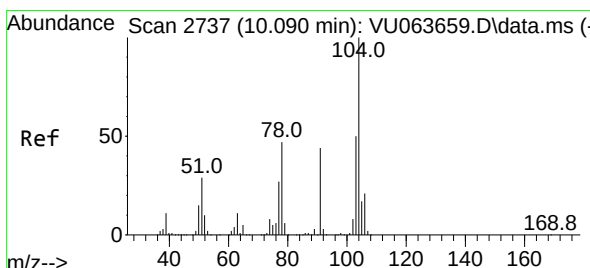
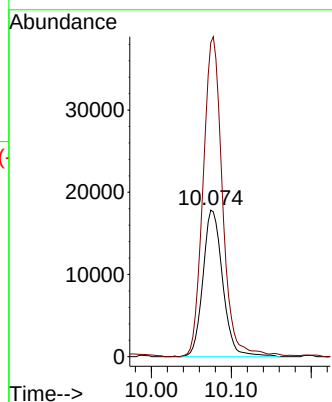
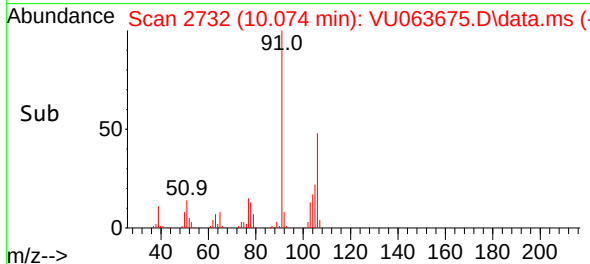
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025



Tgt Ion:106 Resp: 30660
Ion Ratio Lower Upper
106 100
91 213.6 109.3 327.9

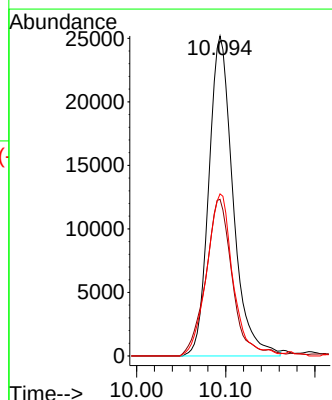
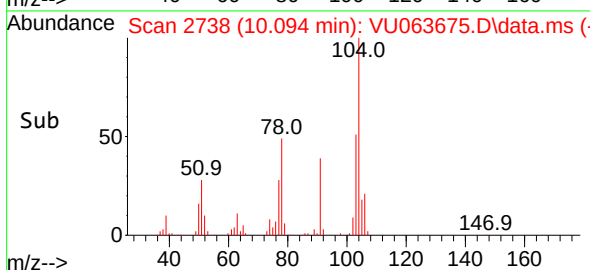
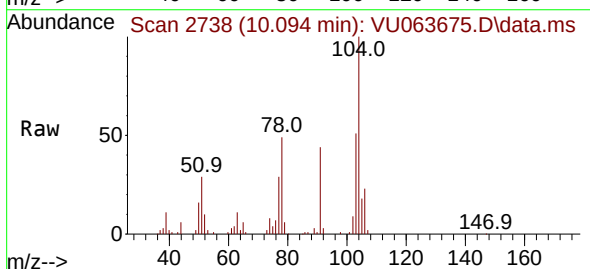
Manual Integrations
APPROVED

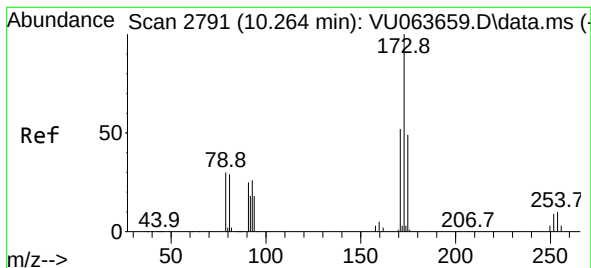
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#66
Styrene
Concen: 0.789 ug/l
RT: 10.094 min Scan# 2738
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

Tgt Ion:104 Resp: 47504
Ion Ratio Lower Upper
104 100
78 52.7 42.8 64.2
103 55.0 43.9 65.9





#67

Bromoform

Concen: 0.650 ug/l

RT: 10.267 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063675.D

Acq: 05 Nov 2025 16:32

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

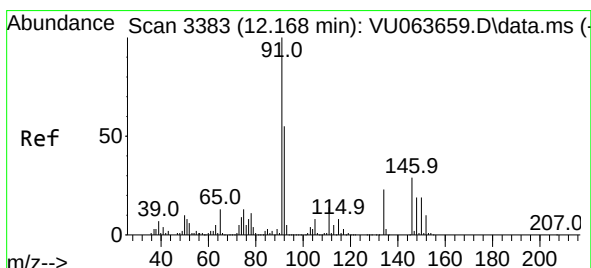
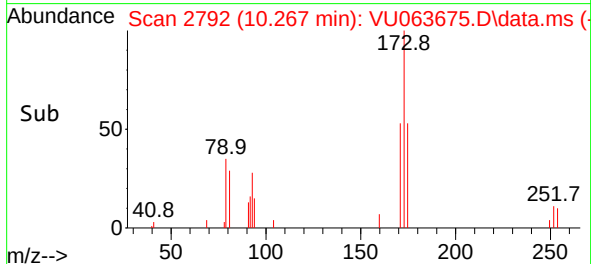
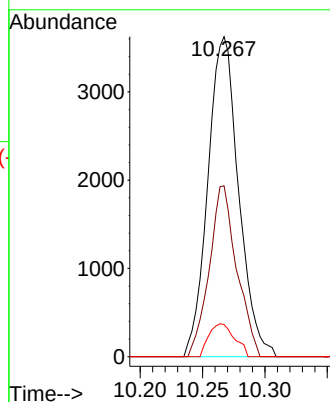
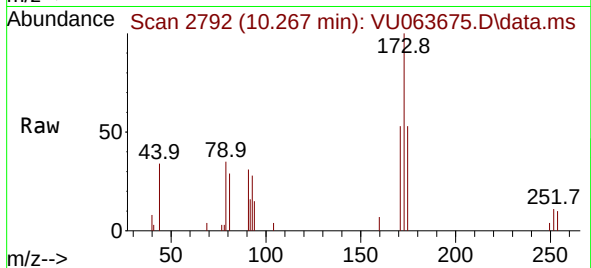
Tgt Ion:173	Resp: 6220
Ion Ratio	Lower Upper
173 100	
175 47.7	39.0 58.4
254 8.6	7.4 11.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#68

1,2-Dichlorobenzene-d4

Concen: 0.914 ug/l

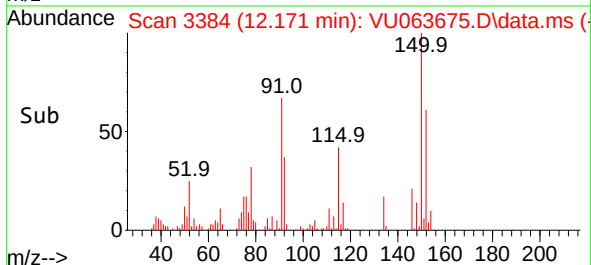
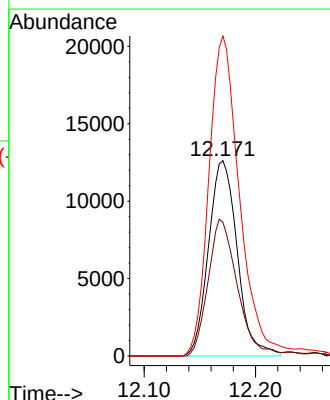
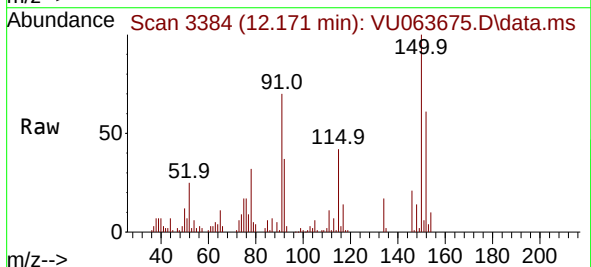
RT: 12.171 min Scan# 3384

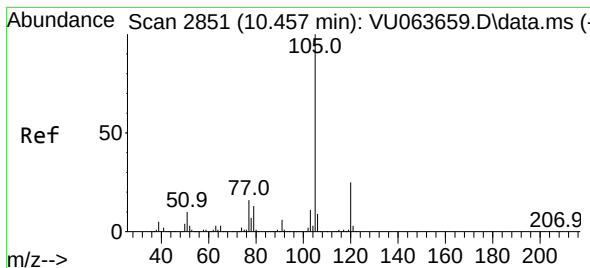
Delta R.T. 0.003 min

Lab File: VU063675.D

Acq: 05 Nov 2025 16:32

Tgt Ion:152	Resp: 22575
Ion Ratio	Lower Upper
152 100	
115 71.3	0.0 247.2
150 178.3	0.0 643.6





#69

Isopropylbenzene

Concen: 0.816 ug/l

RT: 10.460 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063675.D

Acq: 05 Nov 2025 16:32

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion:105 Resp: 74839

Ion Ratio Lower Upper

105 100

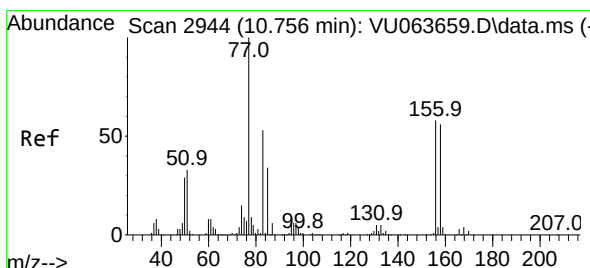
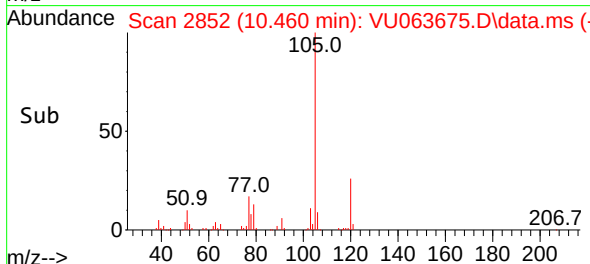
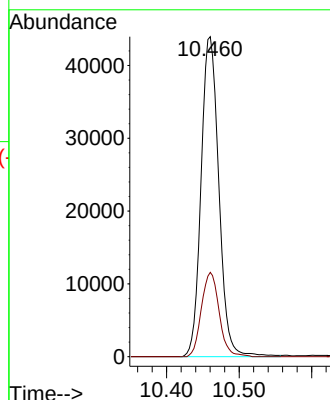
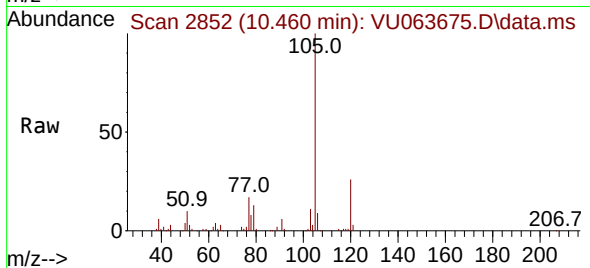
120 26.3 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 0.753 ug/l

RT: 10.759 min Scan# 2945

Delta R.T. 0.003 min

Lab File: VU063675.D

Acq: 05 Nov 2025 16:32

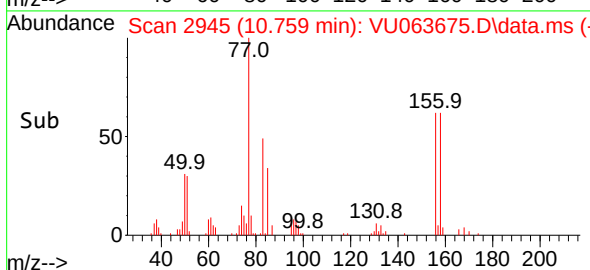
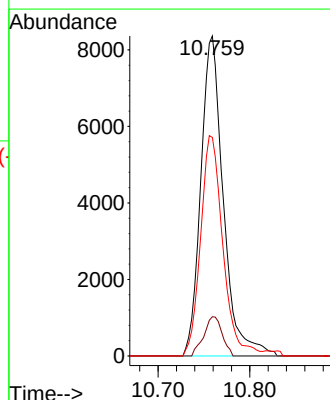
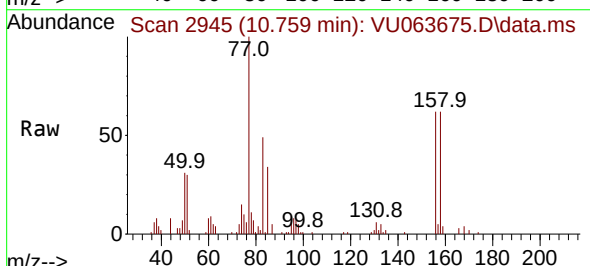
Tgt Ion: 83 Resp: 14258

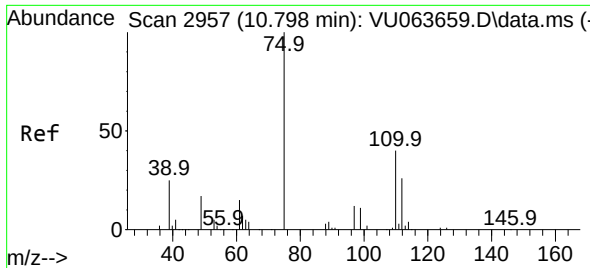
Ion Ratio Lower Upper

83 100

131 10.0 8.1 12.1

85 67.9 51.0 76.6





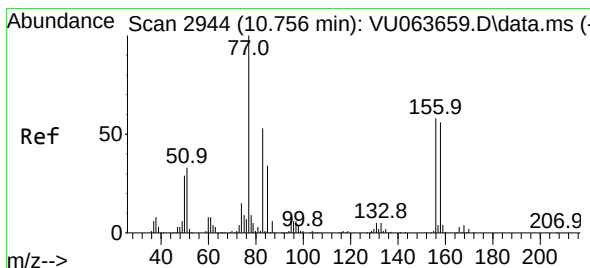
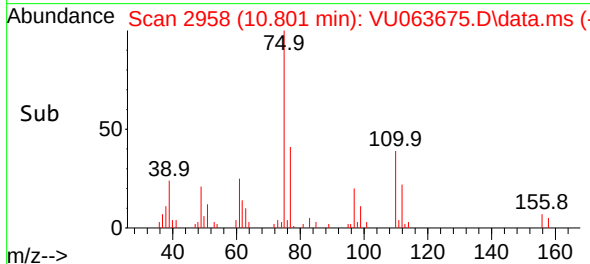
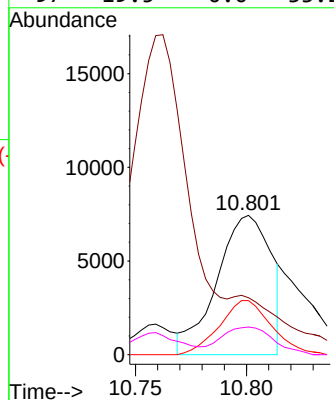
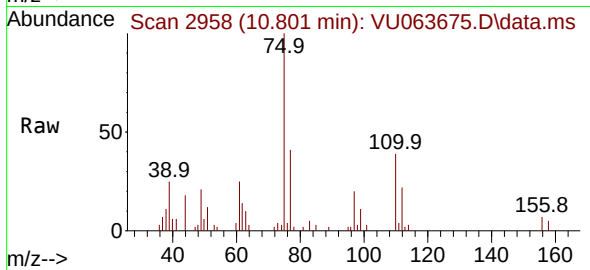
#71
1,2,3-Trichloropropane
Concen: 0.764 ug/l m
RT: 10.801 min Scan# 2957
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion: 75	Resp: 1258
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0
110 37.6	0.0 66.4
97 19.5	0.0 33.2

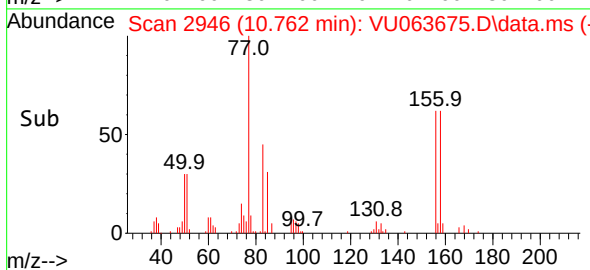
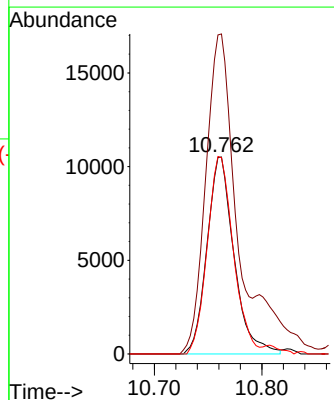
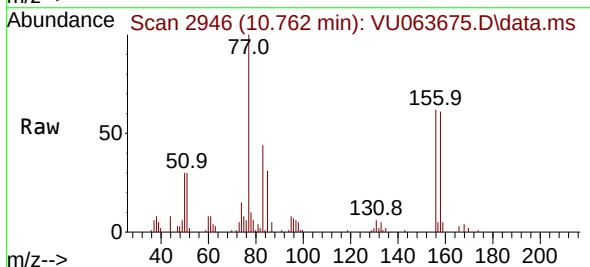
Manual Integrations
APPROVED

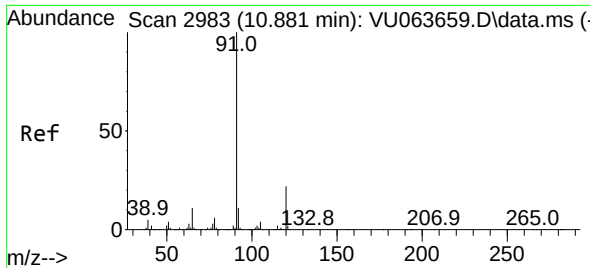
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#72
Bromobenzene
Concen: 0.828 ug/l
RT: 10.762 min Scan# 2946
Delta R.T. 0.006 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

Tgt Ion:156	Resp: 18346
Ion Ratio	Lower Upper
156 100	
77 168.4	0.0 337.2
158 96.8	0.0 191.8





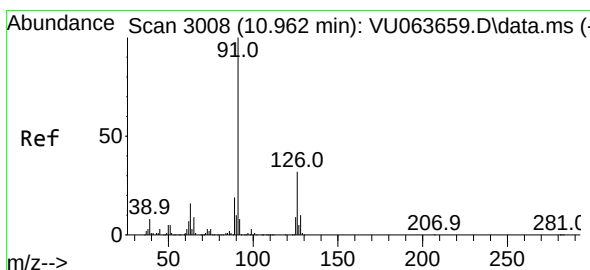
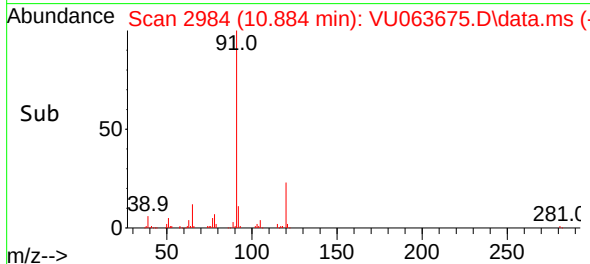
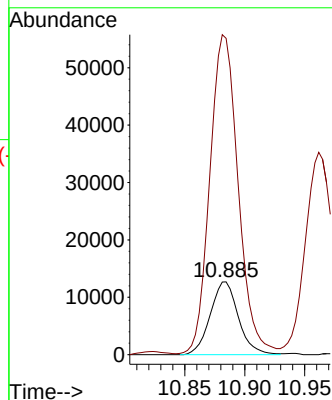
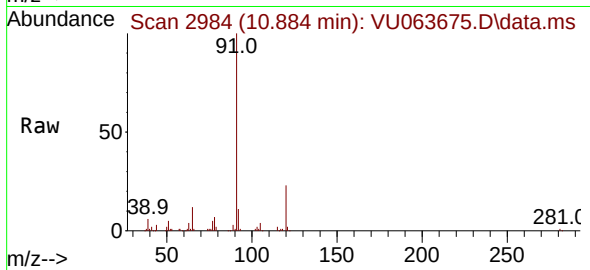
#73
n-propylbenzene
Concen: 0.795 ug/l
RT: 10.884 min Scan# 2983
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion:120 Resp: 20718
Ion Ratio Lower Upper
120 100
91 440.1 361.4 542.2

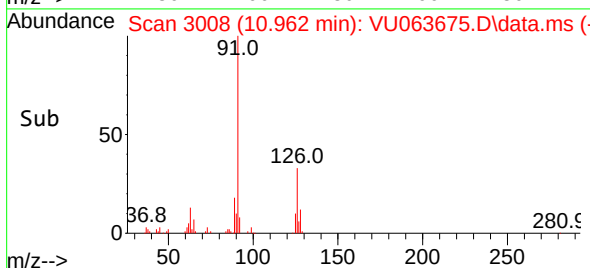
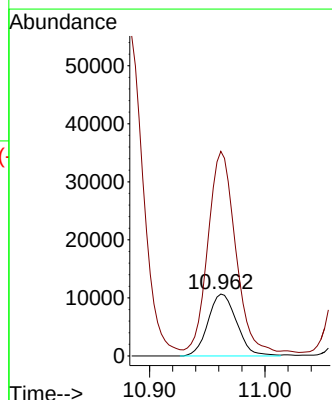
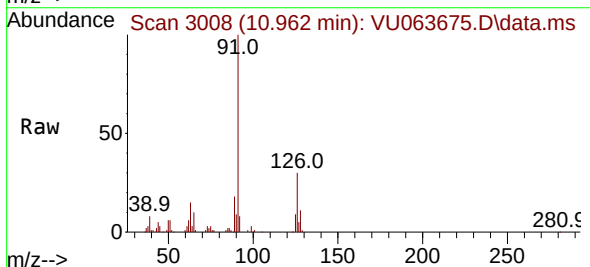
Manual Integrations
APPROVED

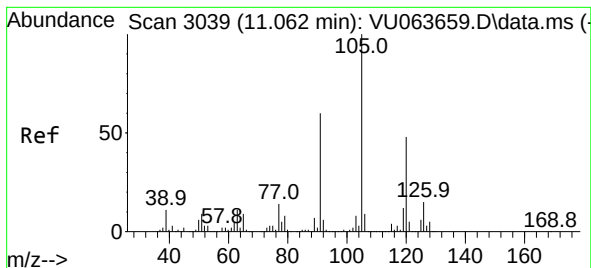
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#74
2-Chlorotoluene
Concen: 0.813 ug/l
RT: 10.962 min Scan# 3008
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

Tgt Ion:126 Resp: 18354
Ion Ratio Lower Upper
126 100
91 309.2 0.0 634.8





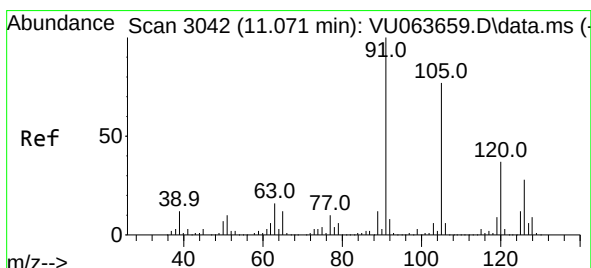
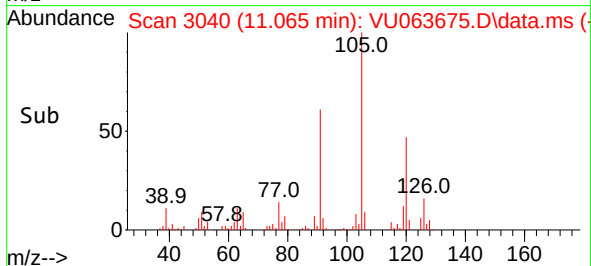
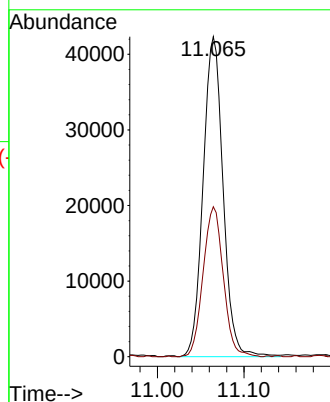
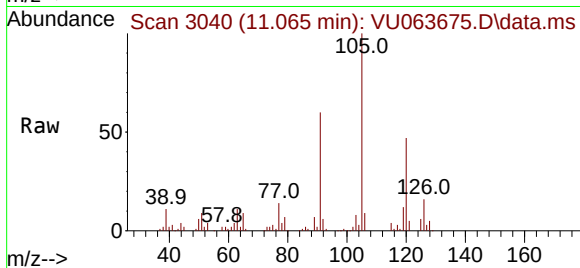
#75
1,3,5-Trimethylbenzene
Concen: 0.800 ug/l
RT: 11.065 min Scan# 3039
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion:105 Resp: 6776
Ion Ratio Lower Upper
105 100
120 47.4 38.2 57.2

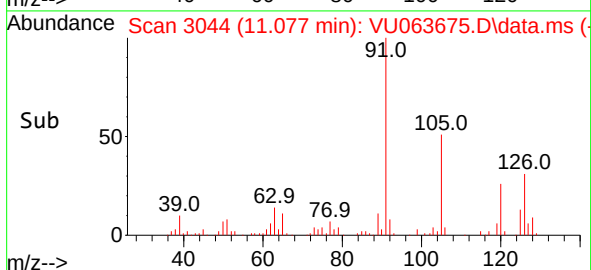
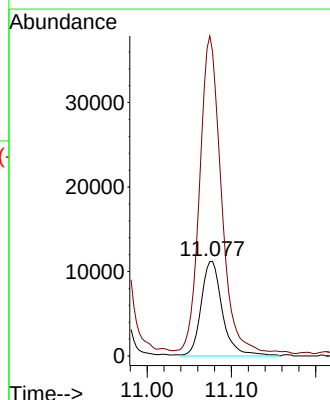
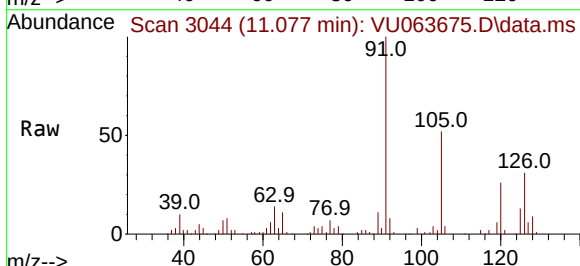
Manual Integrations
APPROVED

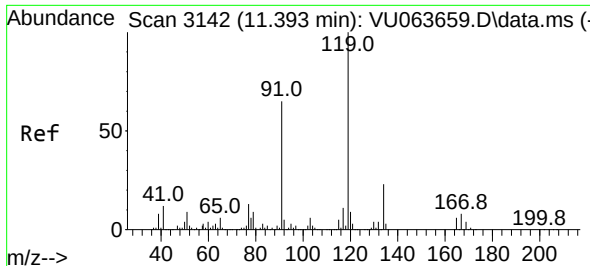
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#76
4-Chlorotoluene
Concen: 0.868 ug/l
RT: 11.077 min Scan# 3044
Delta R.T. 0.006 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

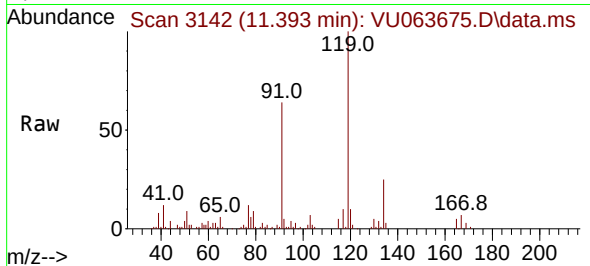
Tgt Ion:126 Resp: 19679
Ion Ratio Lower Upper
126 100
91 332.5 0.0 716.6





#77
tert-Butylbenzene
Concen: 0.808 ug/l
RT: 11.393 min Scan# 3142
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

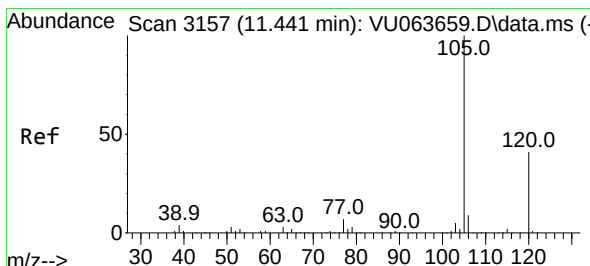
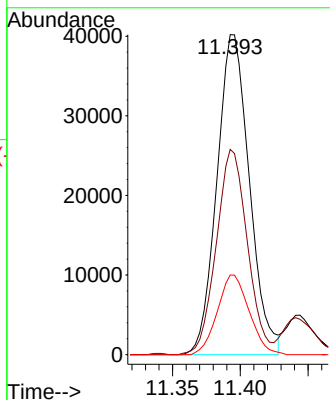
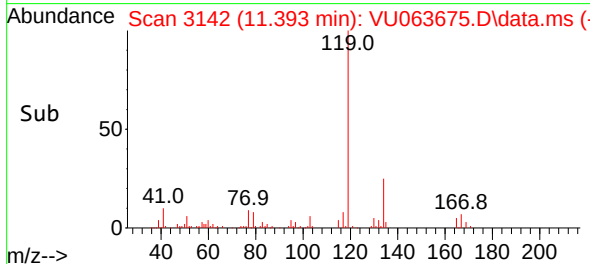
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



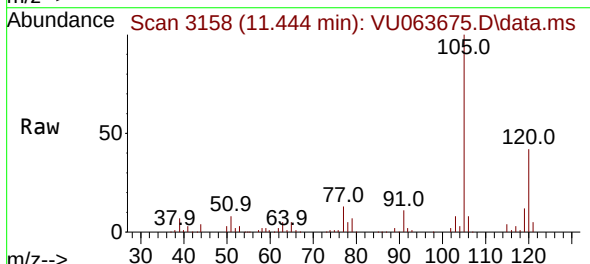
Tgt Ion:119 Resp: 67108
Ion Ratio Lower Upper
119 100
91 61.4 31.3 93.8
134 24.3 18.7 28.1

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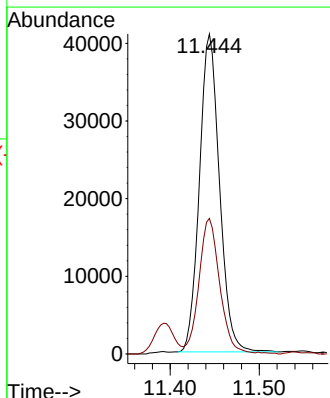
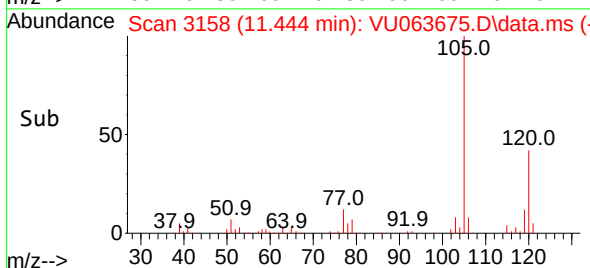
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

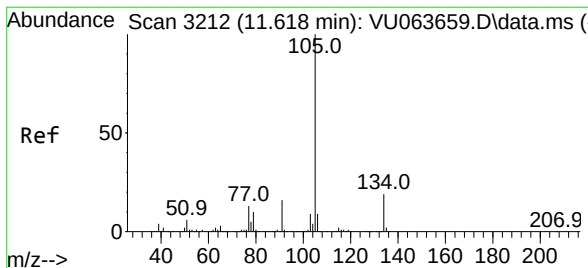


#78
1,2,4-Trimethylbenzene
Concen: 0.787 ug/l
RT: 11.444 min Scan# 3158
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



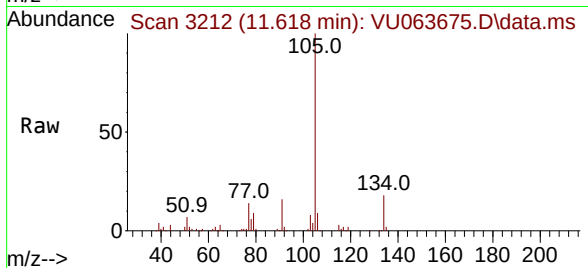
Tgt Ion:105 Resp: 64019
Ion Ratio Lower Upper
105 100
120 43.3 22.4 67.0





#79
 sec-Butylbenzene
 Concen: 0.796 ug/l
 RT: 11.618 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU063675.D
 Acq: 05 Nov 2025 16:32

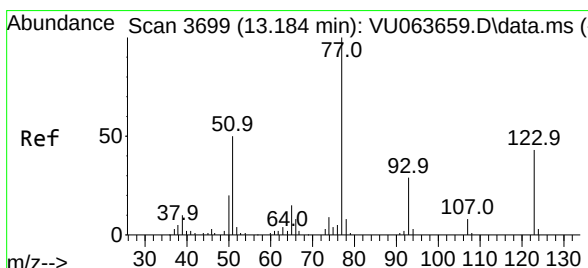
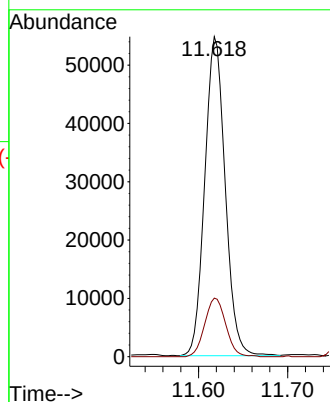
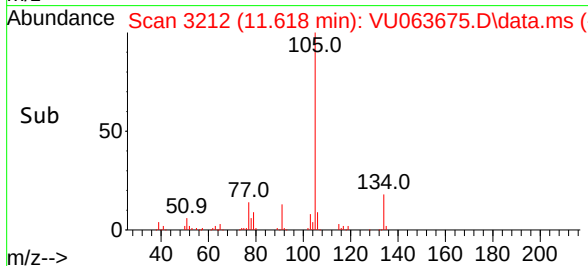
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2025



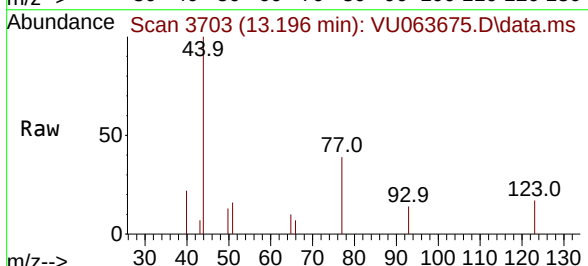
Tgt Ion:105 Resp: 8694
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.7 23.5

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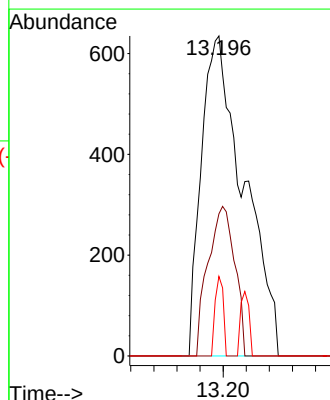
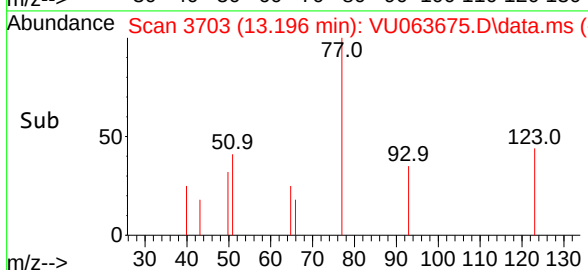
Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025

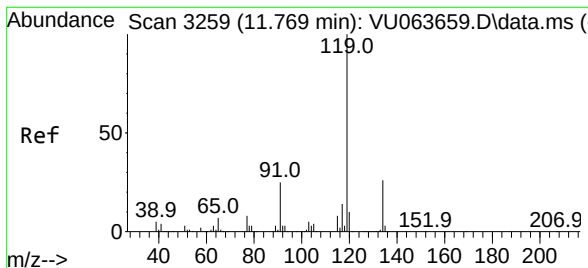


#80
 Nitrobenzene
 Concen: 2.427 ug/l m
 RT: 13.196 min Scan# 3703
 Delta R.T. 0.013 min
 Lab File: VU063675.D
 Acq: 05 Nov 2025 16:32



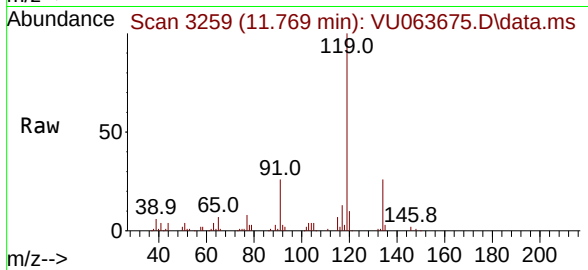
Tgt Ion: 77 Resp: 1616
 Ion Ratio Lower Upper
 77 100
 123 29.6 18.2 64.4
 65 4.8 13.6 17.2#





#81
p-Isopropyltoluene
Concen: 0.785 ug/l
RT: 11.769 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

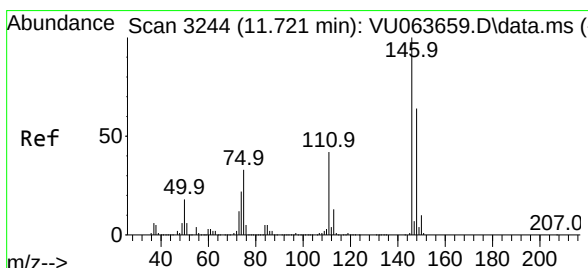
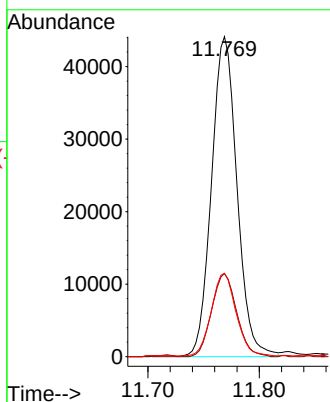
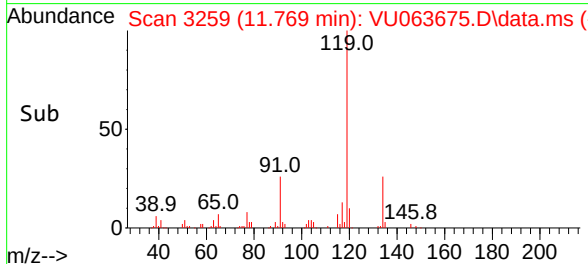
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025



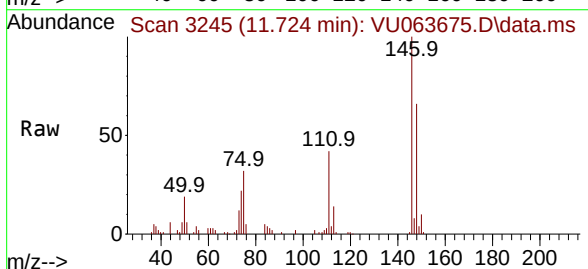
Tgt Ion:119 Resp: 70199
Ion Ratio Lower Upper
119 100
134 25.4 20.3 30.5
91 24.9 20.1 30.1

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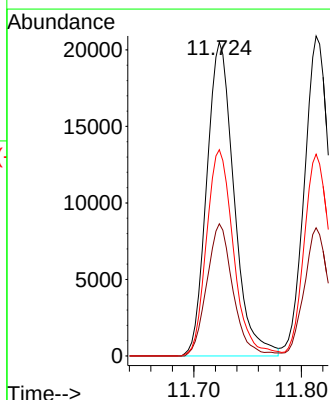
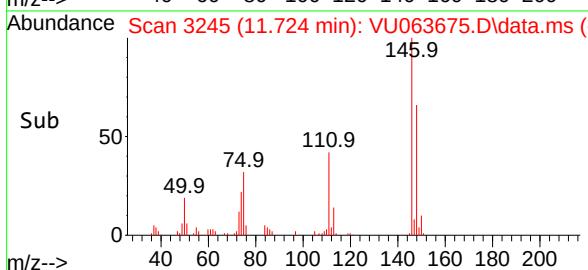
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

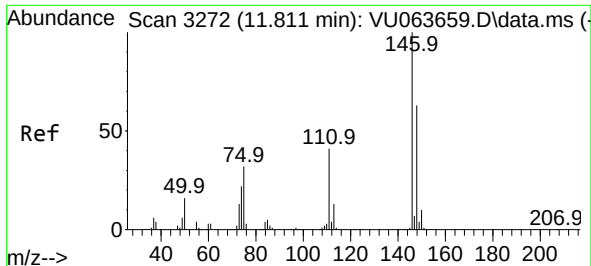


#82
1,3-Dichlorobenzene
Concen: 0.844 ug/l
RT: 11.724 min Scan# 3245
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



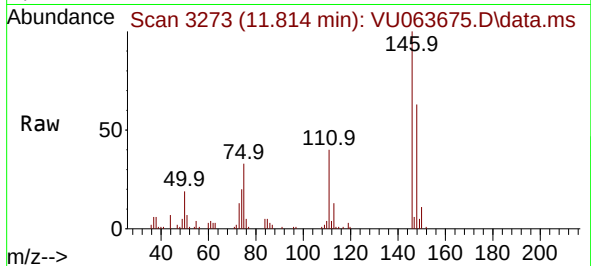
Tgt Ion:146 Resp: 36240
Ion Ratio Lower Upper
146 100
111 40.5 33.8 50.8
148 65.2 50.8 76.2





#83
1,4-Dichlorobenzene
Concen: 0.830 ug/l
RT: 11.814 min Scan# 3272
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

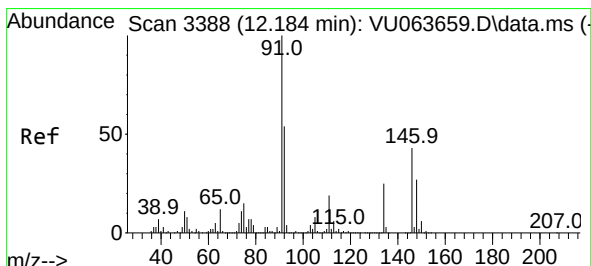
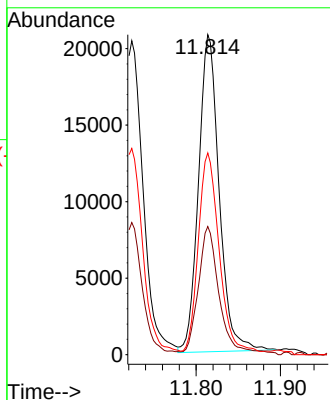
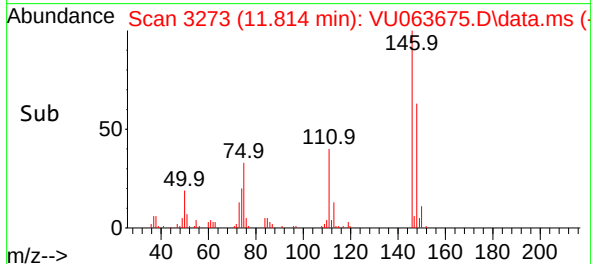
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



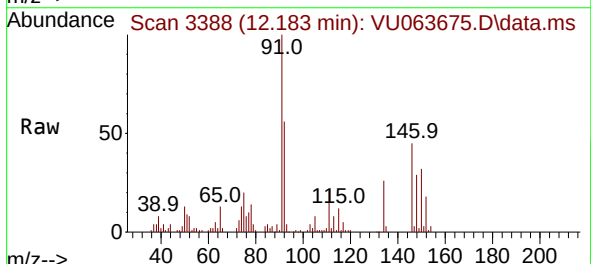
Tgt Ion:146 Resp: 35409
Ion Ratio Lower Upper
146 100
111 41.1 33.0 49.4
148 62.8 50.6 76.0

Manual Integrations
APPROVED

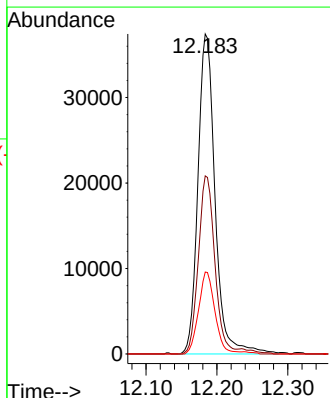
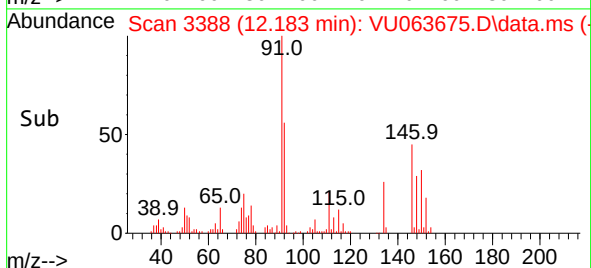
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

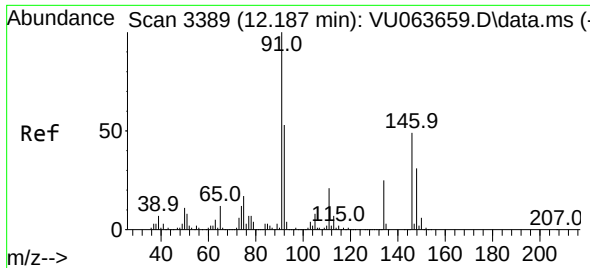


#84
n-Butylbenzene
Concen: 0.786 ug/l
RT: 12.183 min Scan# 3388
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



Tgt Ion: 91 Resp: 62977
Ion Ratio Lower Upper
91 100
92 53.2 43.1 64.7
134 24.9 19.7 29.5





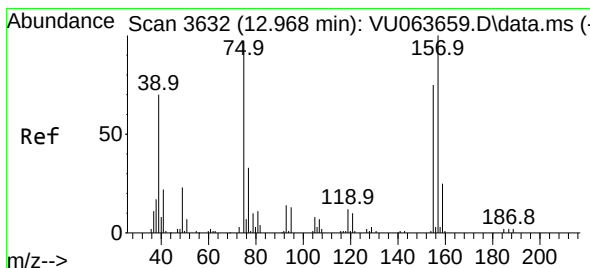
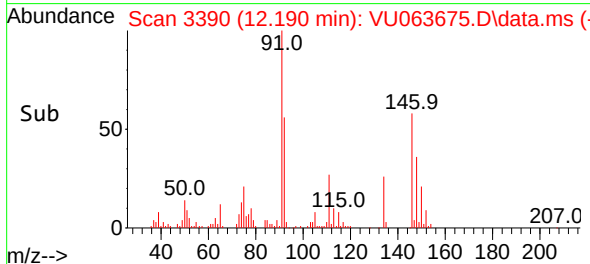
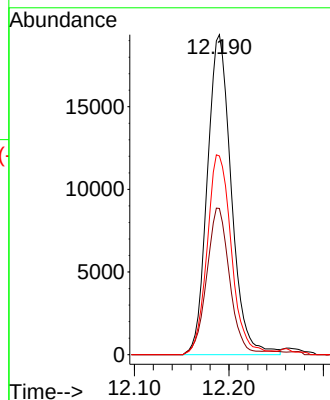
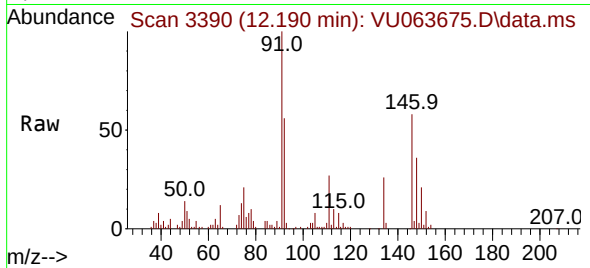
#85
1,2-Dichlorobenzene
Concen: 0.840 ug/l
RT: 12.190 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion:146 Resp: 3409
Ion Ratio Lower Upper
146 100
111 43.9 22.2 66.6
148 63.3 31.9 95.5

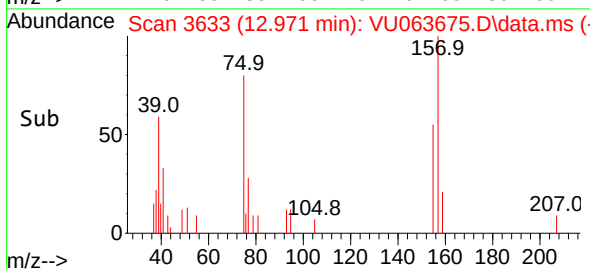
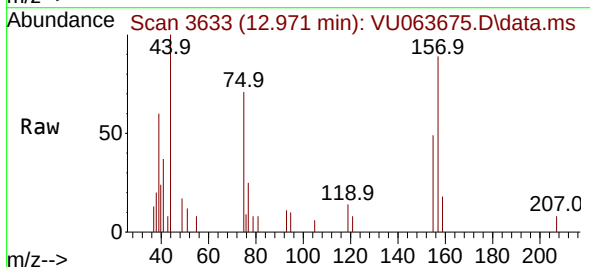
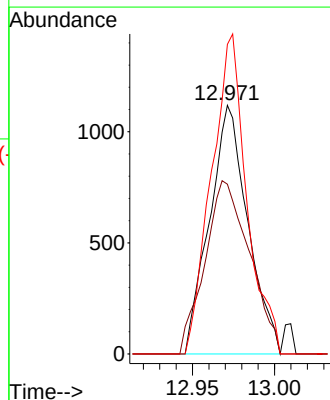
Manual Integrations
APPROVED

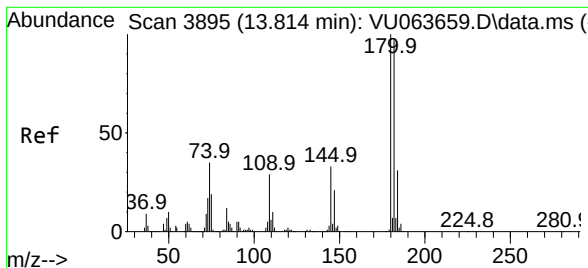
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#86
1,2-Dibromo-3-Chloropropane
Concen: 0.579 ug/l
RT: 12.971 min Scan# 3633
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

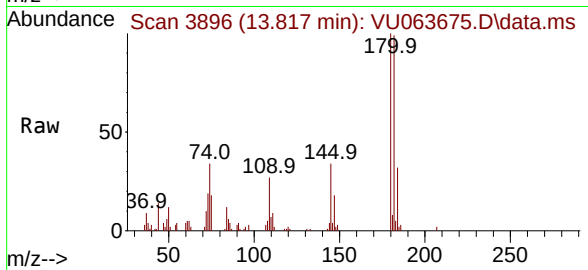
Tgt Ion: 75 Resp: 1816
Ion Ratio Lower Upper
75 100
155 81.1 62.2 93.4
157 118.7 81.3 121.9





#87
1,2,4-Trichlorobenzene
Concen: 0.814 ug/l
RT: 13.817 min Scan# 3896
Delta R.T. 0.003 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

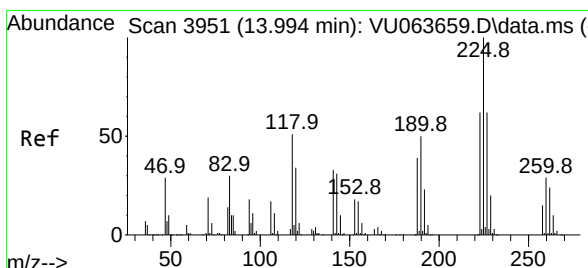
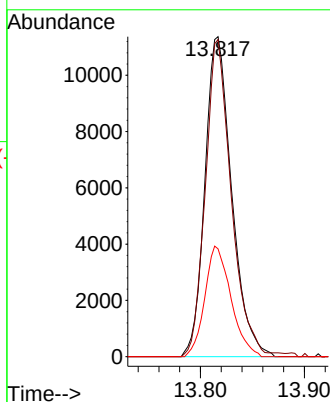
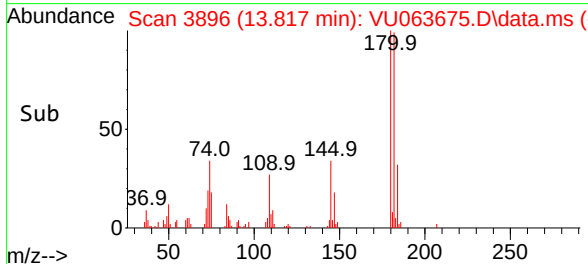
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



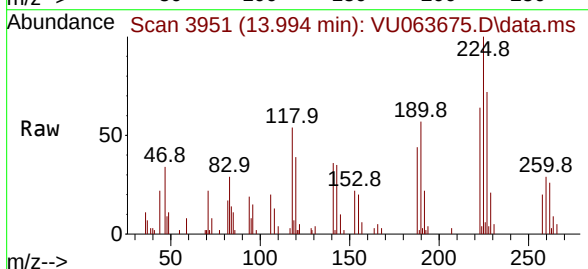
Tgt Ion:180 Resp: 20370
Ion Ratio Lower Upper
180 100
182 95.5 76.4 114.6
145 33.7 26.2 39.2

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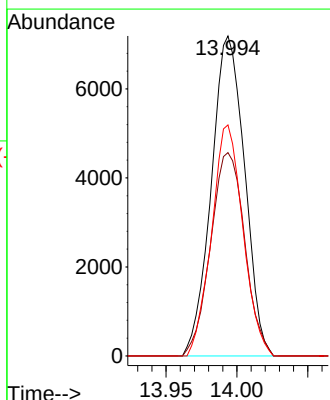
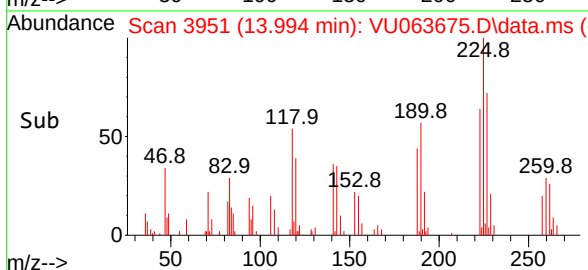
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

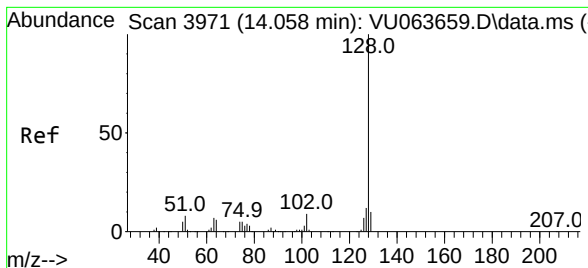


#88
Hexachlorobutadiene
Concen: 0.789 ug/l
RT: 13.994 min Scan# 3951
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32



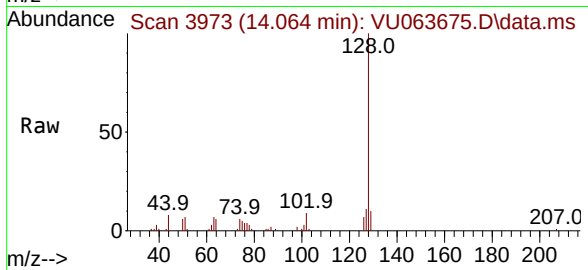
Tgt Ion:225 Resp: 11747
Ion Ratio Lower Upper
225 100
223 65.2 50.2 75.4
227 68.0 50.0 75.0





#89
Naphthalene
Concen: 0.820 ug/l
RT: 14.064 min Scan# 3971
Delta R.T. 0.006 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

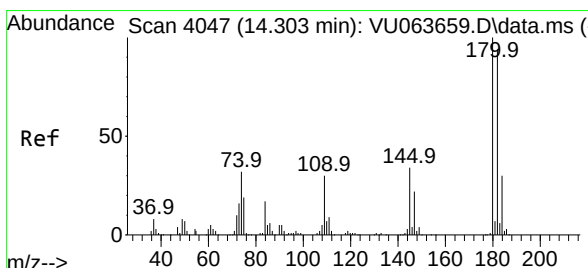
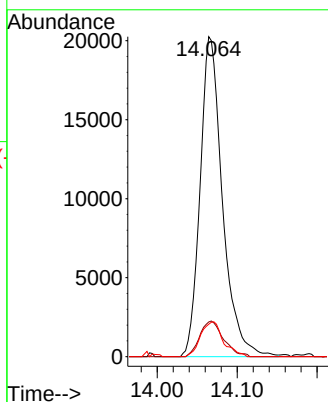
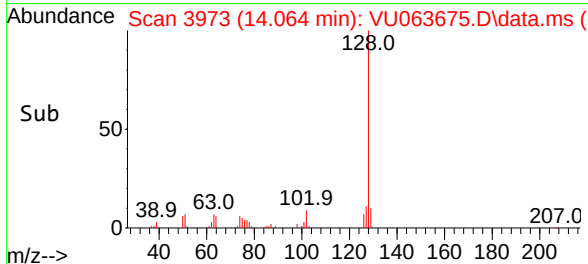
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:128 Resp: 39452
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.2
129 11.1 8.6 12.8

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



#90
1,2,3-Trichlorobenzene
Concen: 0.835 ug/l
RT: 14.302 min Scan# 4047
Delta R.T. -0.000 min
Lab File: VU063675.D
Acq: 05 Nov 2025 16:32

Tgt Ion:180 Resp: 19091
Ion Ratio Lower Upper
180 100
182 95.9 75.4 113.0
145 35.0 27.4 41.2

