

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
 Data File : VU063717.D
 Acq On : 12 Nov 2025 14:05
 Operator : MD/SY
 Sample : Q3530-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Nov 14 05:02:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 14 04:59:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/14/2025
 Supervised By : Mahesh Dadoda 11/14/2025

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

Internal Standards						
1) Pentafluorobenzene	5.341	168	181671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	308405	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	292254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	156667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.669	65	131879	49.141	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.280%		
35) Dibromofluoromethane	5.258	113	102723	47.555	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.120%		
50) Toluene-d8	7.869	98	356521	45.943	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.880%#		
62) 4-Bromofluorobenzene	10.608	95	149812	46.669	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.374	85	5632	5.133	ug/l	96
3) Chloromethane	1.509	50	6243	4.893	ug/l	90
4) Vinyl Chloride	1.589	62	7478	5.542	ug/l	100
5) Bromomethane	1.830	94	6807	7.184	ug/l	97
6) Chloroethane	1.911	64	5627	5.514	ug/l	93
7) Trichlorofluoromethane	2.116	101	14176	5.490	ug/l	92
8) Diethyl Ether	2.354	74	5760	5.247	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.554	101	8708	5.308	ug/l	97
10) Methyl Iodide	2.692	142	7937	4.854	ug/l	98
11) Tert butyl alcohol	3.161	59	15045	24.028	ug/l	98
12) 1,1-Dichloroethene	2.554	96	7844	5.553	ug/l	96
13) Acrolein	2.460	56	2153	43.006	ug/l #	63
14) Allyl chloride	2.898	41	13118	4.979	ug/l	92
15) Acrylonitrile	3.293	53	33141	25.844	ug/l	94
16) Acetone	2.605	43	56840	32.381	ug/l	99
17) Carbon Disulfide	2.766	76	10506	5.055	ug/l	99
18) Methyl Acetate	2.930	43	12035	2.890	ug/l	96
19) Methyl tert-butyl Ether	3.335	73	33274	5.220	ug/l	99
20) Methylene Chloride	3.017	84	11262	5.628	ug/l	97
21) trans-1,2-Dichloroethene	3.325	96	7883	5.435	ug/l	95
22) Diisopropyl ether	3.962	45	30565	5.267	ug/l #	55
23) Vinyl Acetate	3.933	43	102523	25.908	ug/l	98
24) 1,1-Dichloroethane	3.837	63	18301	5.469	ug/l	96
25) 2-Butanone	4.682	43	52688	28.514	ug/l	94
26) 2,2-Dichloropropane	4.628	77	13992	4.868	ug/l	97
27) cis-1,2-Dichloroethene	4.640	96	11159	5.266	ug/l	97
28) Bromochloromethane	4.943	49	5739	4.285	ug/l #	95
29) Tetrahydrofuran	5.026	42	26823	24.947	ug/l	97
30) Chloroform	5.058	83	19805	5.402	ug/l	96
31) Cyclohexane	5.348	56	16078	6.804	ug/l #	80
32) 1,1,1-Trichloroethane	5.277	97	16514	5.489	ug/l	95
36) 1,1-Dichloropropene	5.499	75	11569	5.262	ug/l	99
37) Ethyl Acetate	4.792	43	13901	4.465	ug/l #	88
38) Carbon Tetrachloride	5.496	117	11194	4.711	ug/l	98
39) Methylcyclohexane	6.734	83	13144	5.266	ug/l	99
40) Benzene	5.746	78	36930	5.205	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.962	41	6353	3.927	ug/l #	90
42) 1,2-Dichloroethane	5.769	62	14666	5.241	ug/l	86
43) Isopropyl Acetate	5.891	43	23051	5.052	ug/l	97
44) Trichloroethene	6.515	130	10196	5.122	ug/l	98
45) 1,2-Dichloropropane	6.759	63	9824	5.094	ug/l	99
46) Dibromomethane	6.894	93	7478	5.164	ug/l	96
47) Bromodichloromethane	7.081	83	13110	4.465	ug/l	98
48) Methyl methacrylate	6.943	41	10453	4.667	ug/l	97
49) 1,4-Dioxane	6.943	88	5127	86.403	ug/l	97
51) 4-Methyl-2-Pentanone	7.766	43	82808	23.716	ug/l	99
52) Toluene	7.943	92	25199	5.473	ug/l	100
53) t-1,3-Dichloropropene	8.187	75	10470	4.235	ug/l	99
54) cis-1,3-Dichloropropene	7.582	75	12312	4.443	ug/l	94
55) 1,1,2-Trichloroethane	8.373	97	11187	5.295	ug/l	97
56) Ethyl methacrylate	8.312	69	13819	4.433	ug/l	97
57) 1,3-Dichloropropane	8.550	76	18260	5.297	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.463	63	740m	19.740	ug/l	
59) 2-Hexanone	8.663	43	68904	26.495	ug/l	92
60) Dibromochloromethane	8.785	129	10046	4.540	ug/l	98
61) 1,2-Dibromoethane	8.897	107	10616	5.214	ug/l	98
64) Tetrachloroethene	8.528	164	9932	5.268	ug/l	98
65) Chlorobenzene	9.425	112	30221	5.292	ug/l	91
66) 1,1,1,2-Tetrachloroethane	9.508	131	9391	4.835	ug/l	95
67) Ethyl Benzene	9.547	91	48361	5.084	ug/l	98
68) m/p-Xylenes	9.672	106	36986	10.535	ug/l	97
69) o-Xylene	10.077	106	19221	5.305	ug/l	99
70) Styrene	10.097	104	28845	4.957	ug/l	100
71) Bromoform	10.267	173	6520	4.169	ug/l #	98
73) Isopropylbenzene	10.460	105	50401	5.121	ug/l	100
74) N-amyl acetate	10.303	43	14441	4.211	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.756	83	18067	4.780	ug/l	99
76) 1,2,3-Trichloropropane	10.798	75	19046m	4.824	ug/l	
77) Bromobenzene	10.759	156	13157	5.313	ug/l	98
78) n-propylbenzene	10.881	91	55014	4.872	ug/l	99
79) 2-Chlorotoluene	10.962	91	37593	5.151	ug/l	98
80) 1,3,5-Trimethylbenzene	11.065	105	39752	4.817	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.521	75	2824	3.811	ug/l #	76
82) 4-Chlorotoluene	11.077	91	40794	4.919	ug/l	97
83) tert-Butylbenzene	11.393	119	42096	4.897	ug/l	97
84) 1,2,4-Trimethylbenzene	11.444	105	39718	4.904	ug/l	97
85) sec-Butylbenzene	11.618	105	53874	4.961	ug/l	99
86) p-Isopropyltoluene	11.769	119	41922	4.809	ug/l	98
87) 1,3-Dichlorobenzene	11.724	146	24784	5.327	ug/l	100
88) 1,4-Dichlorobenzene	11.811	146	26146	5.371	ug/l	94
89) n-Butylbenzene	12.184	91	37774	4.718	ug/l	98
90) Hexachloroethane	12.447	117	5299	3.984	ug/l	98
91) 1,2-Dichlorobenzene	12.190	146	23201	4.994	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.971	75	3237	4.179	ug/l	97
93) 1,2,4-Trichlorobenzene	13.817	180	13459	4.545	ug/l	98
94) Hexachlorobutadiene	13.991	225	7029	4.710	ug/l	100
95) Naphthalene	14.064	128	35723	4.453	ug/l	99
96) 1,2,3-Trichlorobenzene	14.302	180	13364	4.854	ug/l	95

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LOQ-WATER-02-QT4-2025

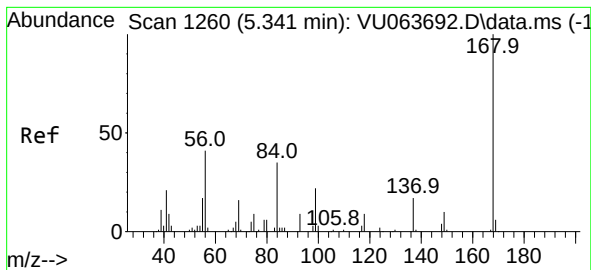
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Fri Nov 14 04:59:23 2025
Response via : Initial Calibration

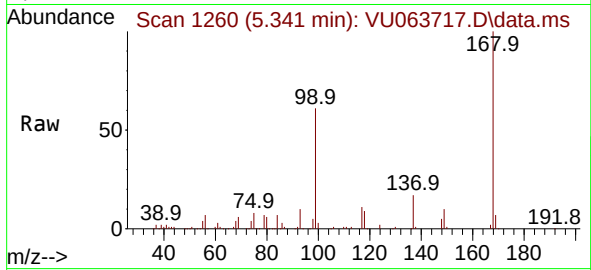
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.341 min Scan# 11
Delta R.T. 0.000 min
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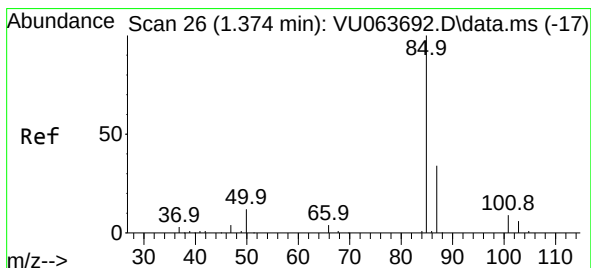
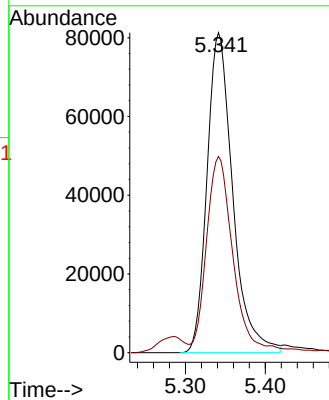
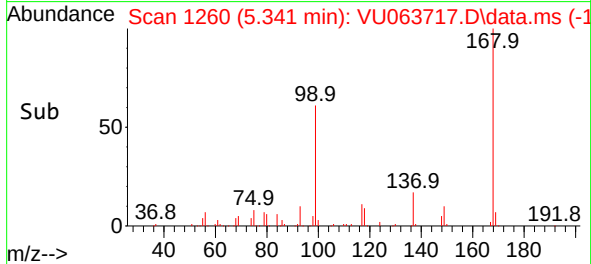
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:168 Resp: 18167
Ion Ratio Lower Upper
168 100
99 59.9 48.2 72.4

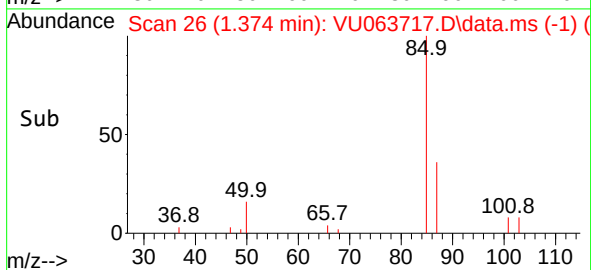
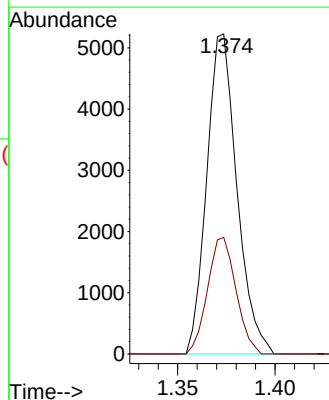
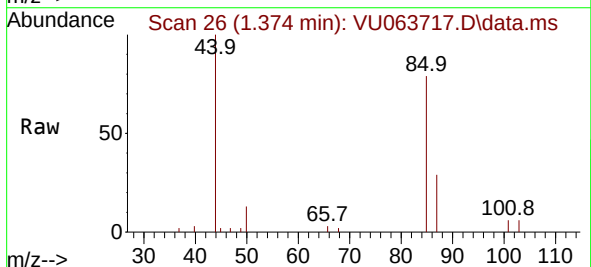
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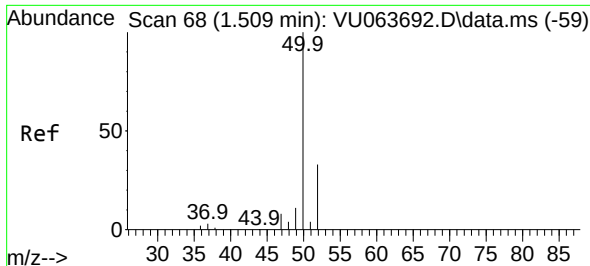
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#2
Dichlorodifluoromethane
Concen: 5.133 ug/l
RT: 1.374 min Scan# 26
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

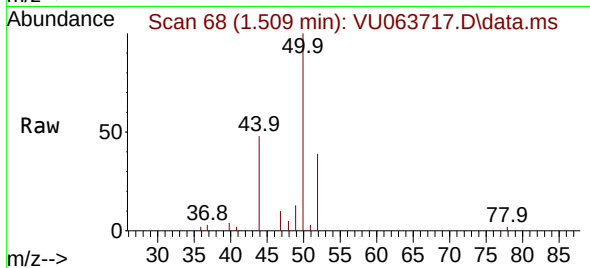
Tgt Ion: 85 Resp: 5632
Ion Ratio Lower Upper
85 100
87 36.5 17.0 51.0





#3
Chloromethane
Concen: 4.893 ug/l
RT: 1.509 min Scan# 68
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

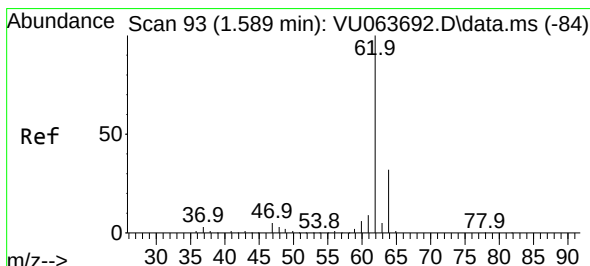
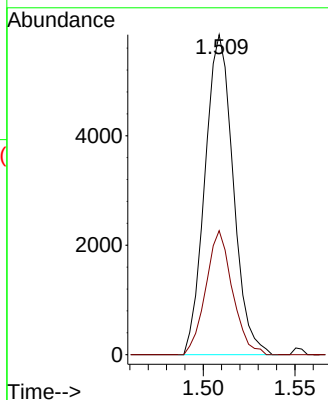
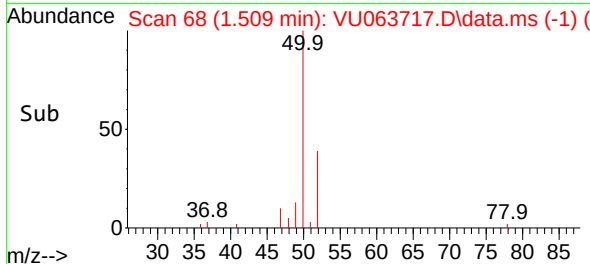
Instrument : MSVOA_U
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Tgt Ion: 50 Resp: 624
Ion Ratio Lower Upper
50 100
52 38.8 26.3 39.5

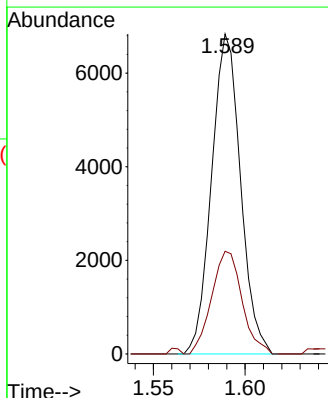
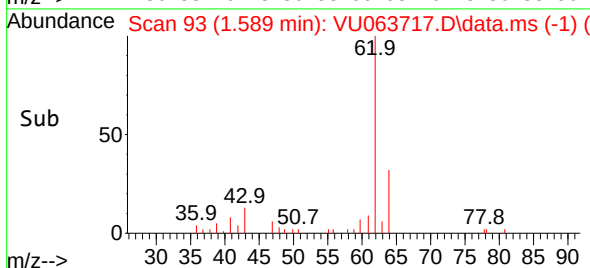
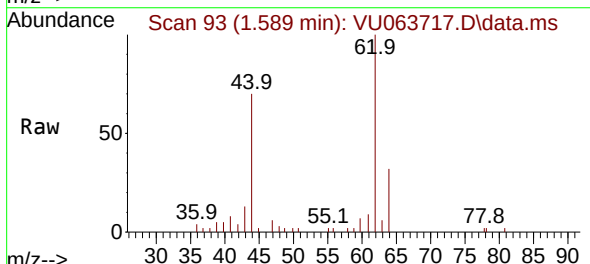
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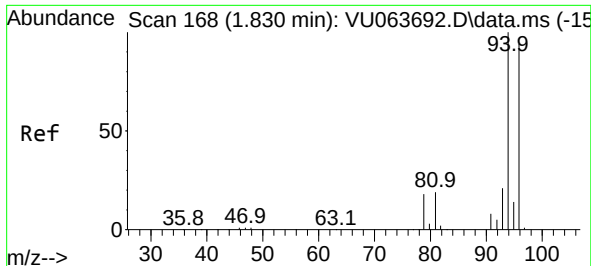
Reviewed By :John Carlone 11/14/2025
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#4
Vinyl Chloride
Concen: 5.542 ug/l
RT: 1.589 min Scan# 93
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

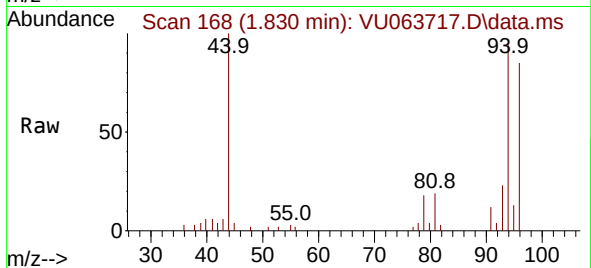
Tgt Ion: 62 Resp: 7478
Ion Ratio Lower Upper
62 100
64 32.1 25.9 38.9





#5
Bromomethane
Concen: 7.184 ug/l
RT: 1.830 min Scan# 168
Delta R.T. 0.000 min
Lab File: VU063717.D
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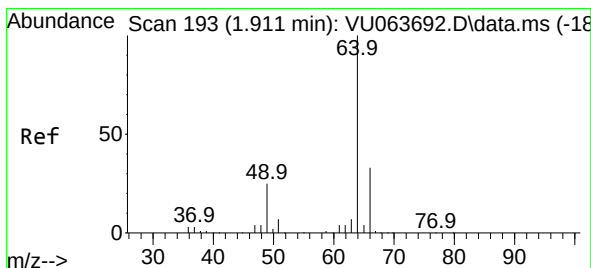
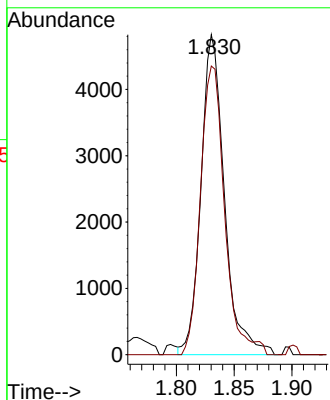
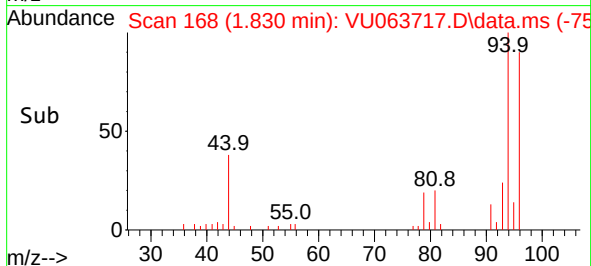
Instrument :
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Tgt Ion: 94 Resp: 680
Ion Ratio Lower Upper
94 100
96 90.2 74.8 112.2

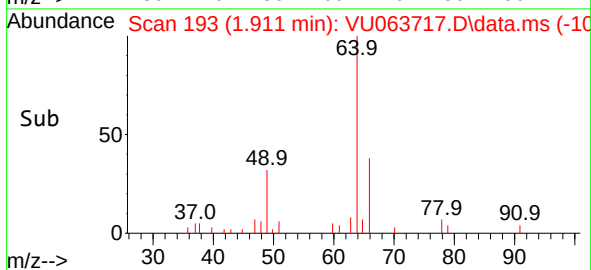
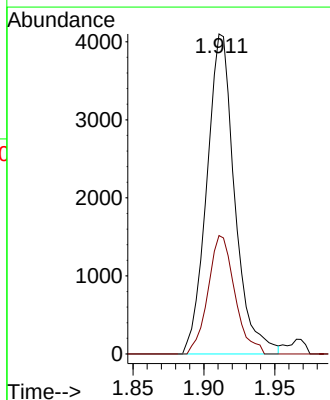
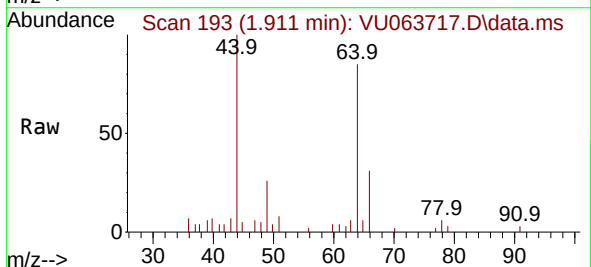
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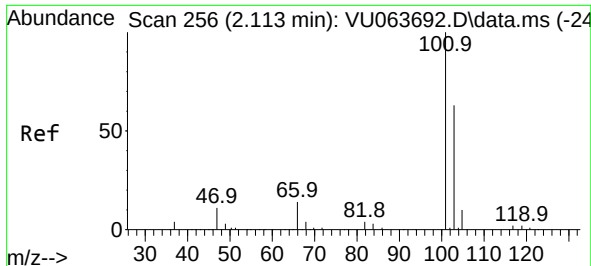
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#6
Chloroethane
Concen: 5.514 ug/l
RT: 1.911 min Scan# 193
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

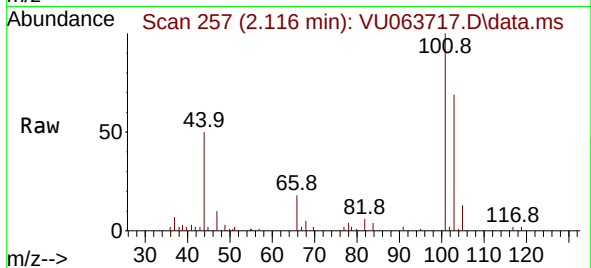
Tgt Ion: 64 Resp: 5627
Ion Ratio Lower Upper
64 100
66 37.0 26.4 39.6





#7
 Trichlorofluoromethane
 Concen: 5.490 ug/l
 RT: 2.116 min Scan# 256
 Delta R.T. 0.003 min
 Lab File: VU063717.D
 Acq: 12 Nov 2025 14:05

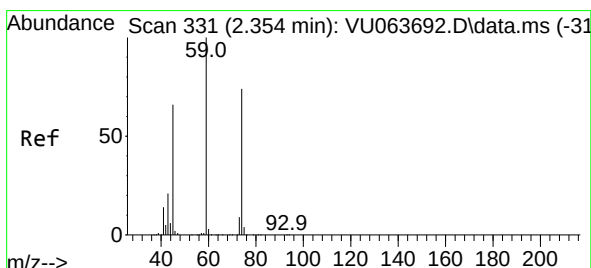
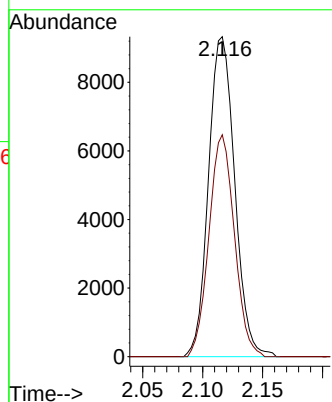
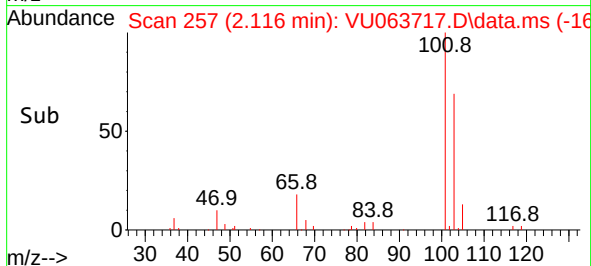
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2025



Tgt Ion:101 Resp: 14170
 Ion Ratio Lower Upper
 101 100
 103 69.3 50.3 75.5

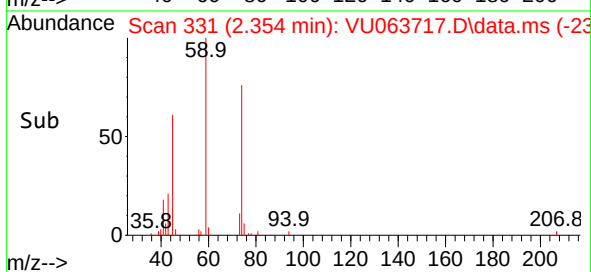
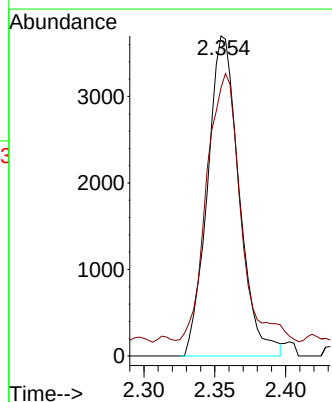
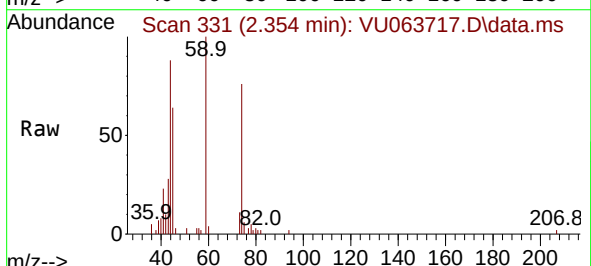
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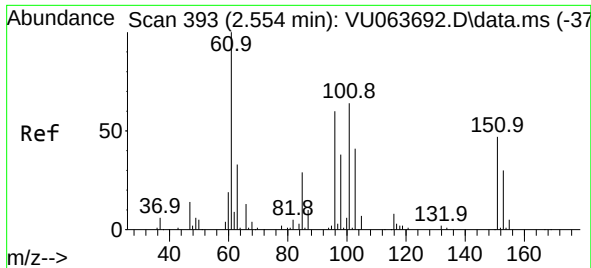
Reviewed By :John Carlone 11/14/2025
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#8
 Diethyl Ether
 Concen: 5.247 ug/l
 RT: 2.354 min Scan# 331
 Delta R.T. -0.000 min
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Tgt Ion: 74 Resp: 5760
 Ion Ratio Lower Upper
 74 100
 45 90.7 44.1 132.4





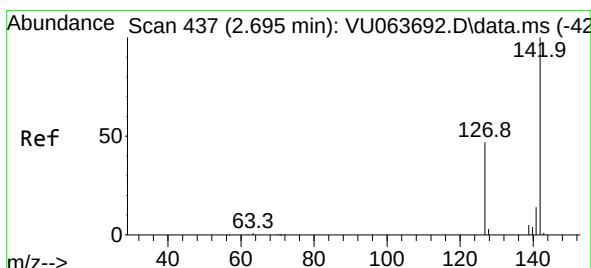
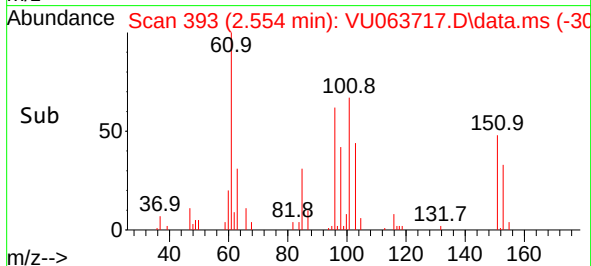
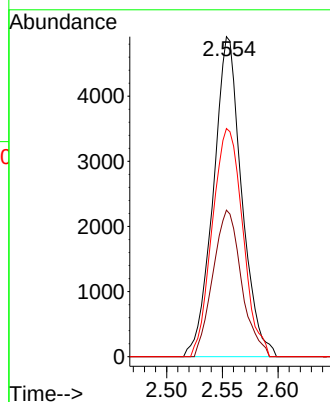
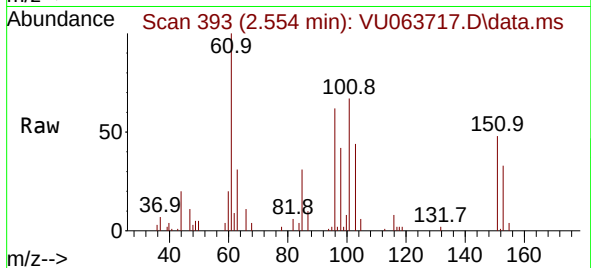
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.308 ug/l
RT: 2.554 min Scan# 393
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

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

Tgt Ion:101 Resp: 8708
Ion Ratio Lower Upper
101 100
85 46.1 36.2 54.4
151 76.5 58.5 87.7

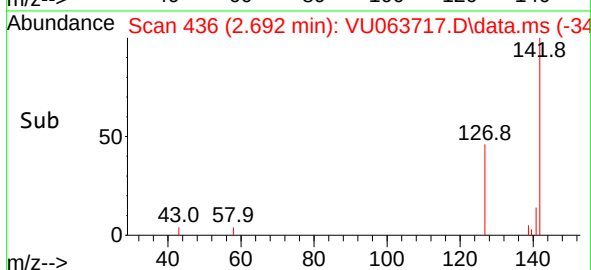
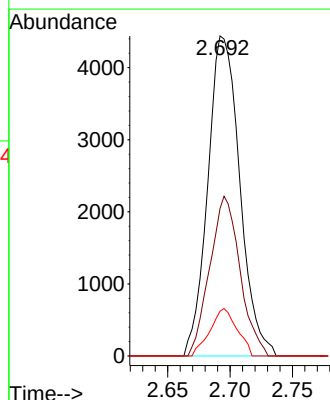
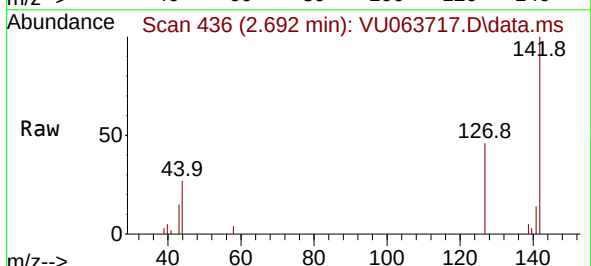
Manual Integrations
APPROVED

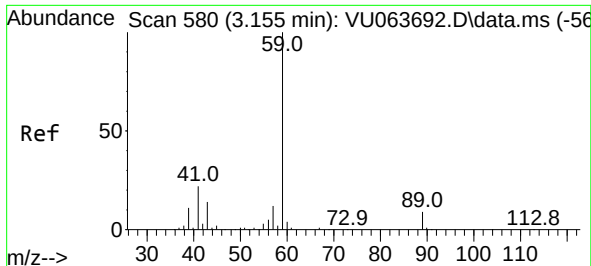
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#10
Methyl Iodide
Concen: 4.854 ug/l
RT: 2.692 min Scan# 436
Delta R.T. -0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

Tgt Ion:142 Resp: 7937
Ion Ratio Lower Upper
142 100
127 47.1 37.2 55.8
141 12.6 11.4 17.0





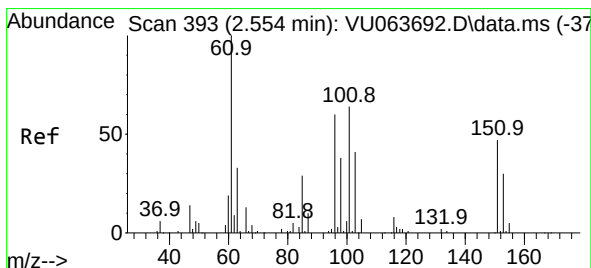
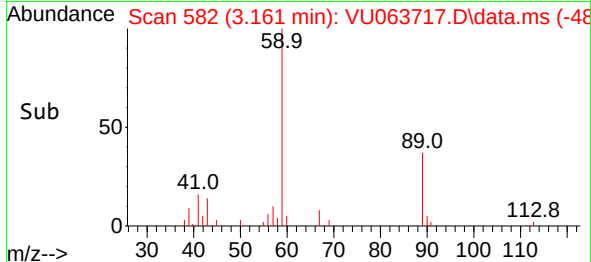
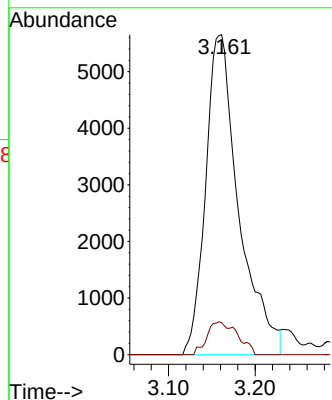
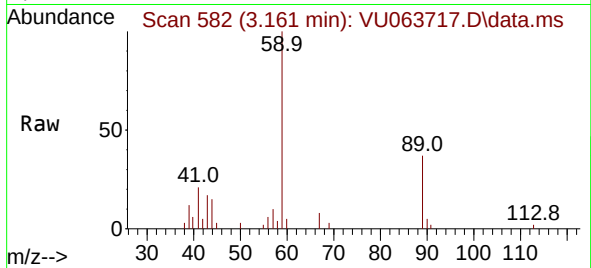
#11
Tert butyl alcohol
Concen: 24.028 ug/l
RT: 3.161 min Scan# 580
Delta R.T. 0.006 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

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

Tgt Ion: 59 Resp: 1504
Ion Ratio Lower Upper
59 100
57 9.4 8.2 12.2

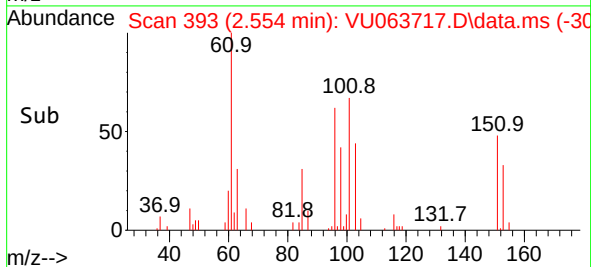
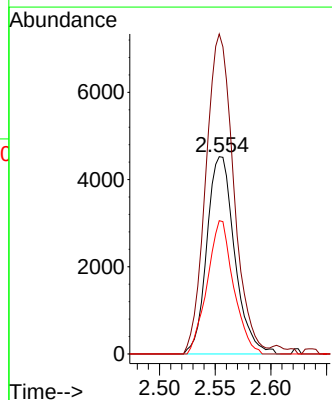
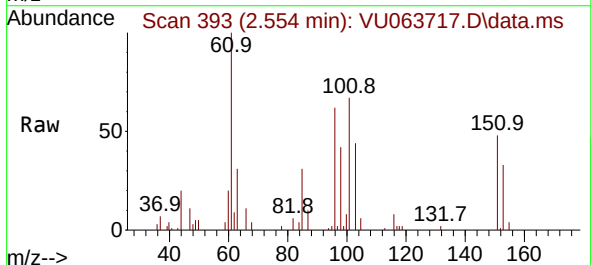
Manual Integrations
APPROVED

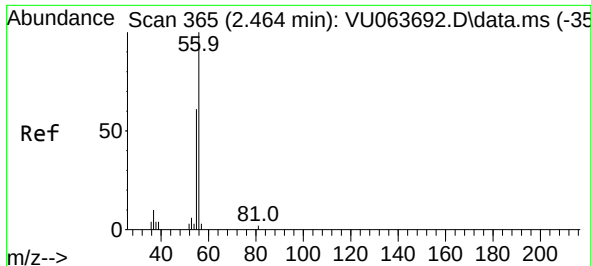
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#12
1,1-Dichloroethene
Concen: 5.553 ug/l
RT: 2.554 min Scan# 393
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

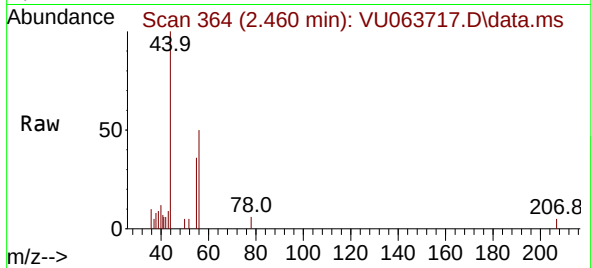
Tgt Ion: 96 Resp: 7844
Ion Ratio Lower Upper
96 100
61 162.2 133.1 199.7
98 67.6 50.7 76.1





#13
Acrolein
Concen: 43.006 ug/l
RT: 2.460 min Scan# 30
Delta R.T. -0.004 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

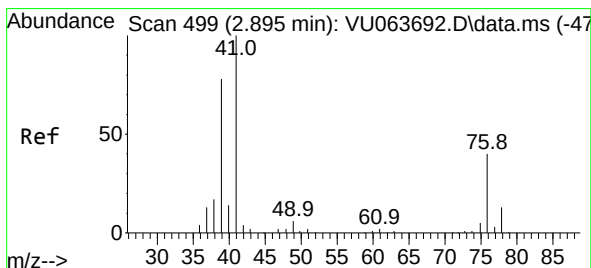
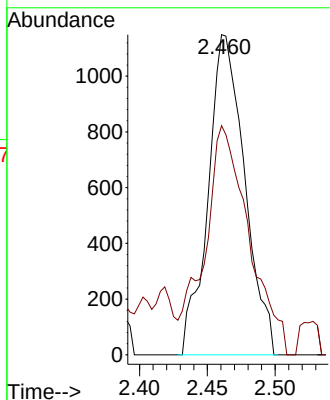
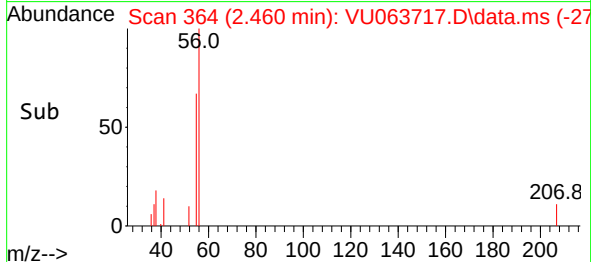
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 56 Resp: 215
Ion Ratio Lower Upper
56 100
55 86.4 47.1 70.7

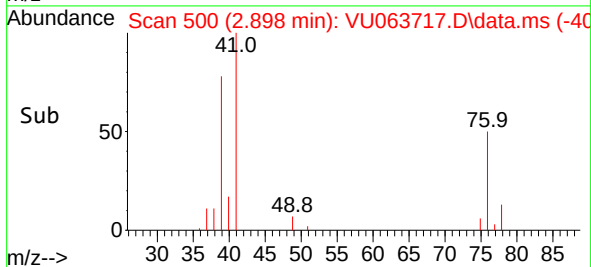
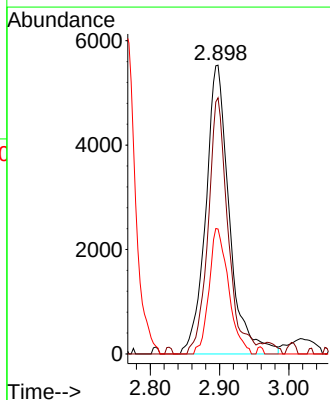
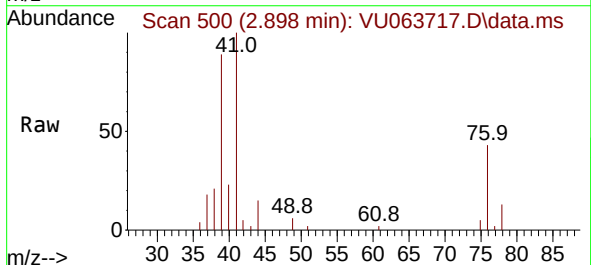
Manual Integrations
APPROVED

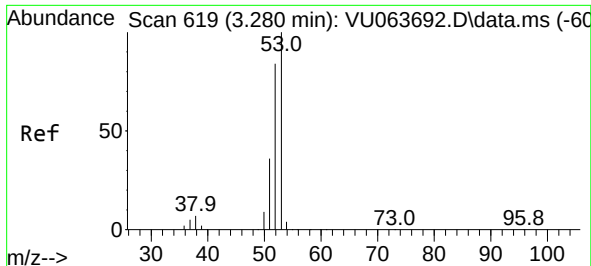
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#14
Allyl chloride
Concen: 4.979 ug/l
RT: 2.898 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

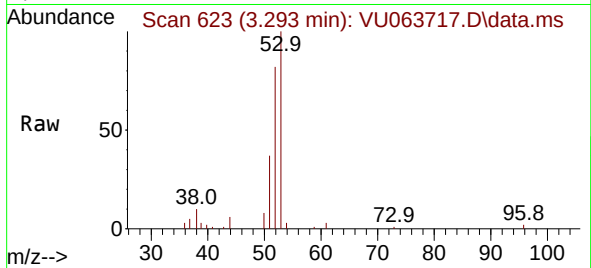
Tgt Ion: 41 Resp: 13118
Ion Ratio Lower Upper
41 100
39 74.1 53.1 79.7
76 35.8 26.4 39.6





#15
Acrylonitrile
Concen: 25.844 ug/l
RT: 3.293 min Scan# 619
Delta R.T. 0.013 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

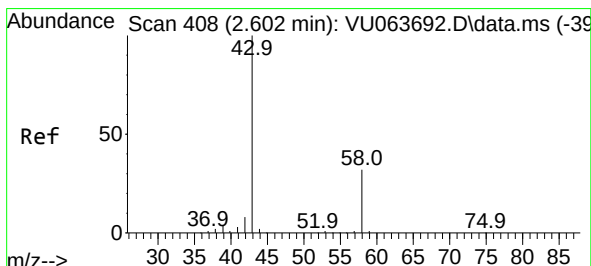
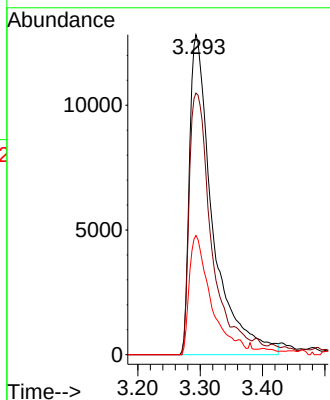
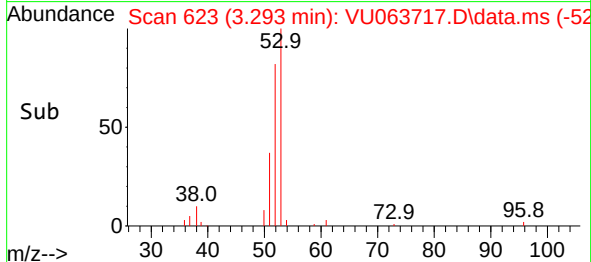
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 53 Resp: 3314
Ion Ratio Lower Upper
53 100
52 78.2 67.5 101.3
51 33.8 29.0 43.6

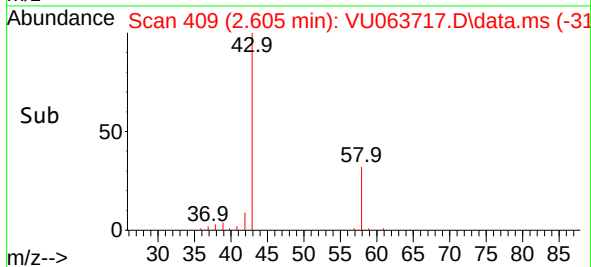
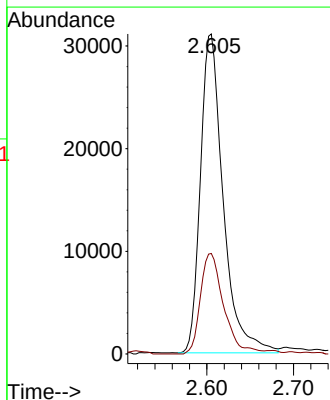
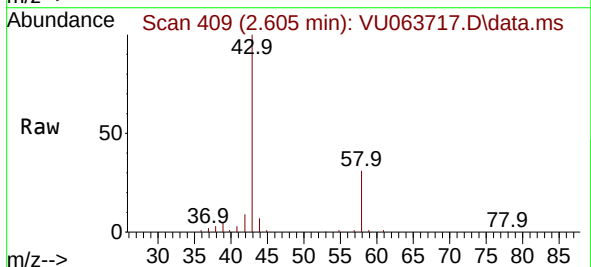
Manual Integrations
APPROVED

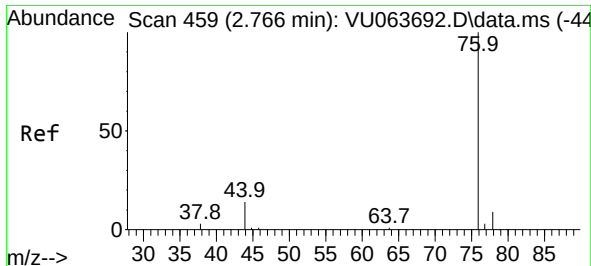
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#16
Acetone
Concen: 32.381 ug/l
RT: 2.605 min Scan# 409
Delta R.T. 0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

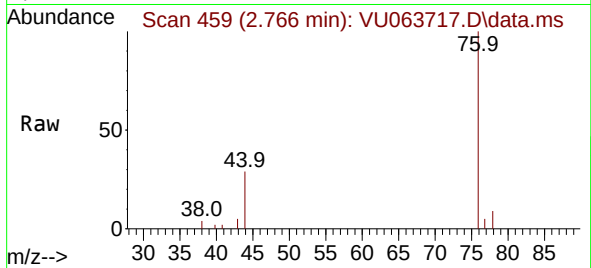
Tgt Ion: 43 Resp: 56840
Ion Ratio Lower Upper
43 100
58 31.1 25.4 38.2





#17
Carbon Disulfide
Concen: 5.055 ug/l
RT: 2.766 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

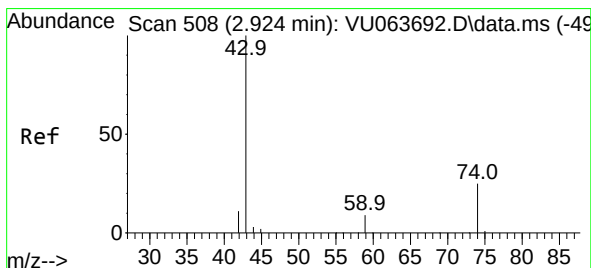
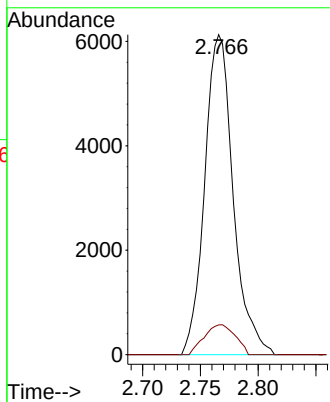
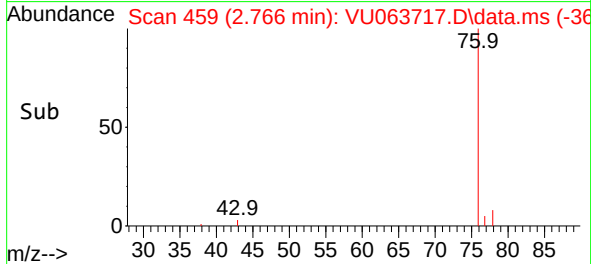
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 76 Resp: 10500
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6

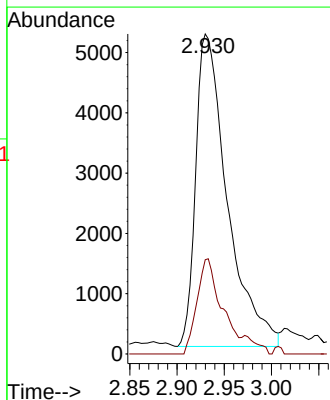
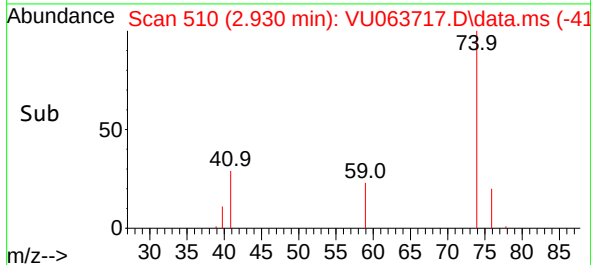
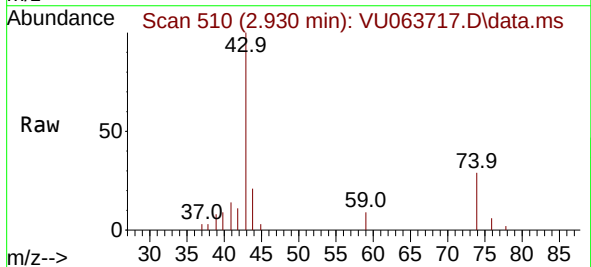
Manual Integrations
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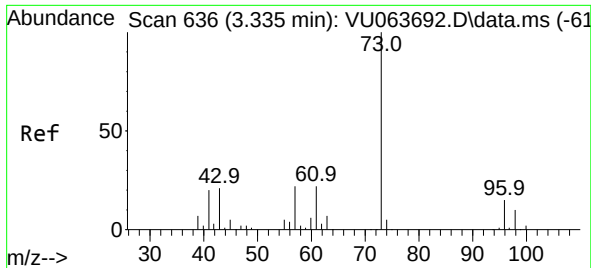
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#18
Methyl Acetate
Concen: 2.890 ug/l
RT: 2.930 min Scan# 510
Delta R.T. 0.006 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

Tgt Ion: 43 Resp: 12035
Ion Ratio Lower Upper
43 100
74 23.8 20.6 31.0





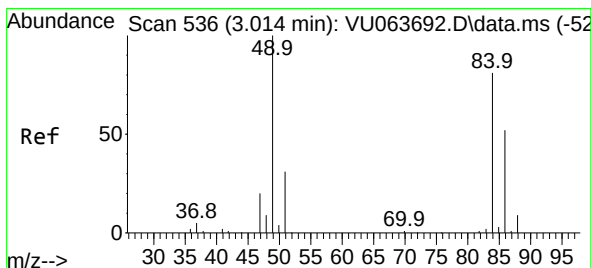
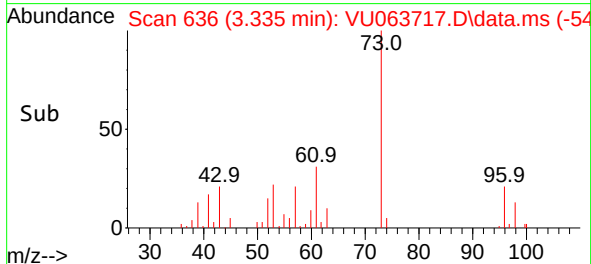
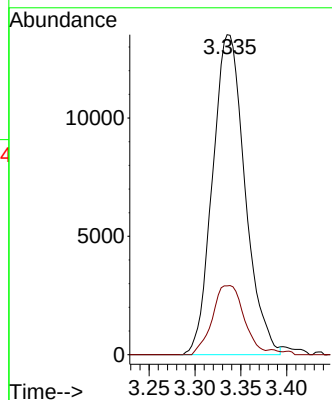
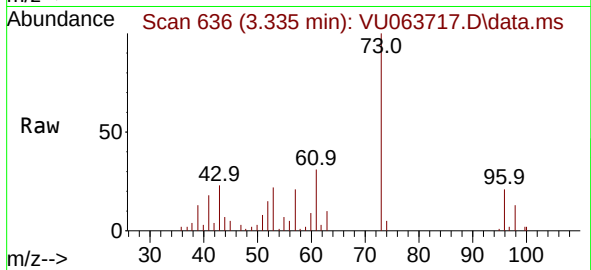
#19
Methyl tert-butyl Ether
Concen: 5.220 ug/l
RT: 3.335 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

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

Tgt Ion: 73 Resp: 33274
Ion Ratio Lower Upper
73 100
57 21.5 17.4 26.2

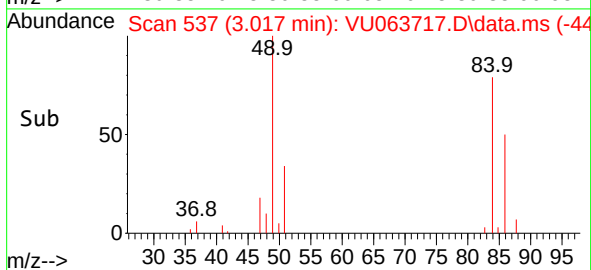
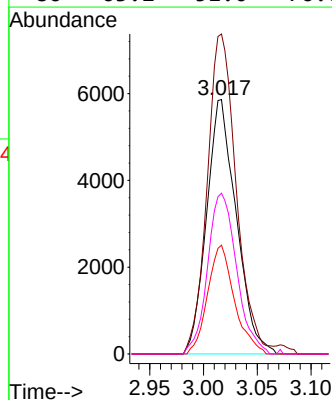
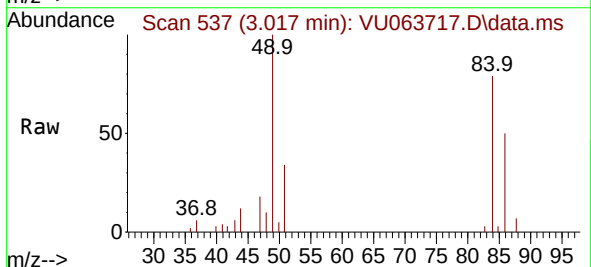
Manual Integrations
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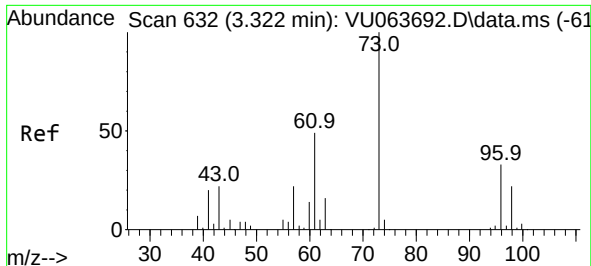
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#20
Methylene Chloride
Concen: 5.628 ug/l
RT: 3.017 min Scan# 537
Delta R.T. 0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

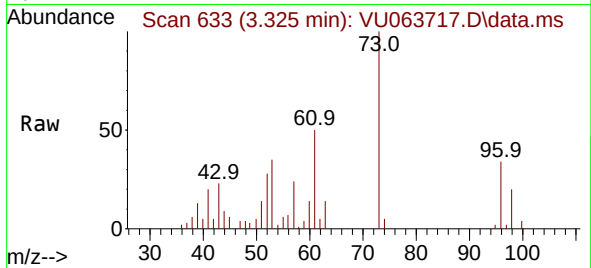
Tgt Ion: 84 Resp: 11262
Ion Ratio Lower Upper
84 100
49 125.8 98.4 147.6
51 42.7 30.1 45.1
86 63.2 51.0 76.6





#21
trans-1,2-Dichloroethene
Concen: 5.435 ug/l
RT: 3.325 min Scan# 611
Delta R.T. 0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

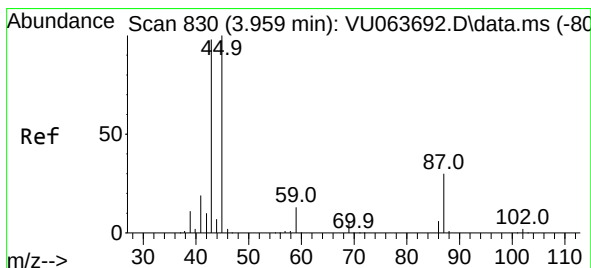
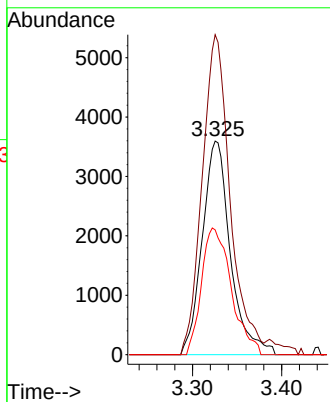
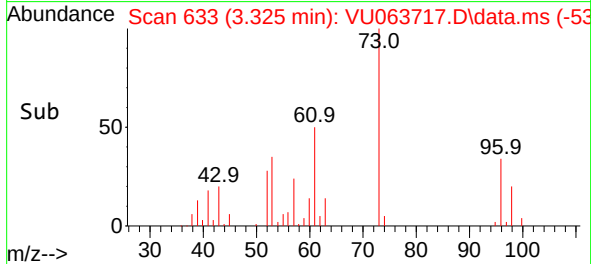
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 96 Resp: 788
Ion Ratio Lower Upper
96 100
61 149.8 117.5 176.3
98 58.4 52.7 79.1

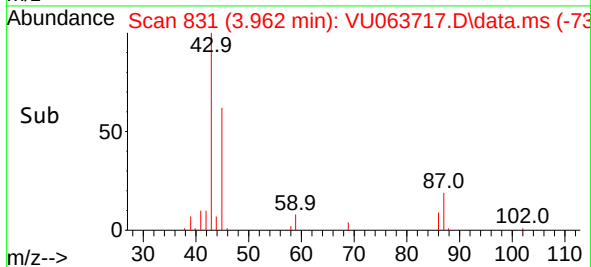
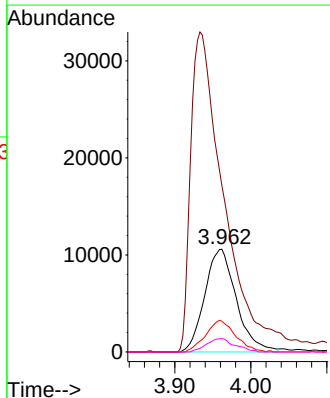
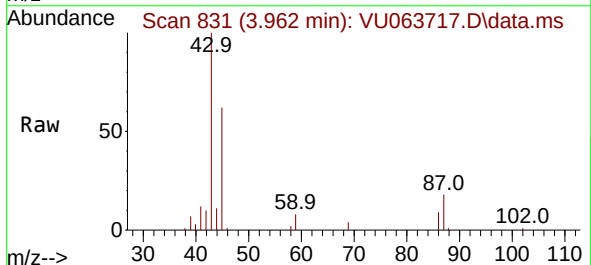
Manual Integrations
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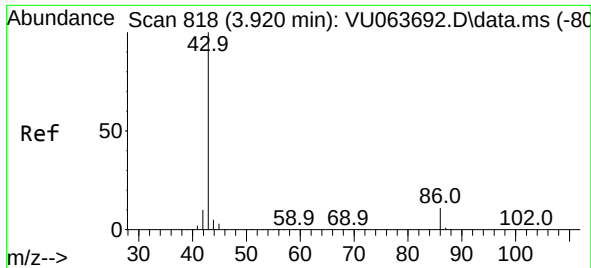
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#22
Diisopropyl ether
Concen: 5.267 ug/l
RT: 3.962 min Scan# 831
Delta R.T. 0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

Tgt Ion: 45 Resp: 30565
Ion Ratio Lower Upper
45 100
43 161.9 78.1 117.1#
87 29.9 23.8 35.8
59 12.9 10.2 15.2





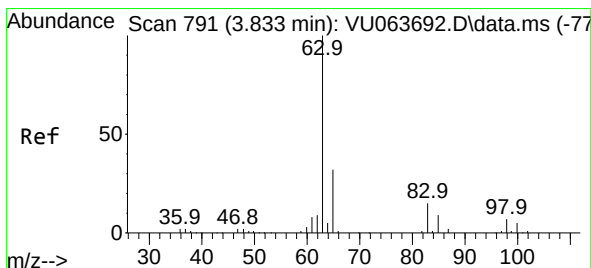
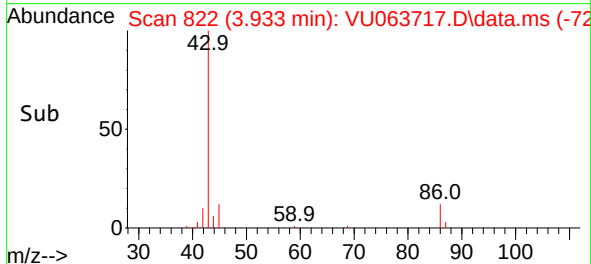
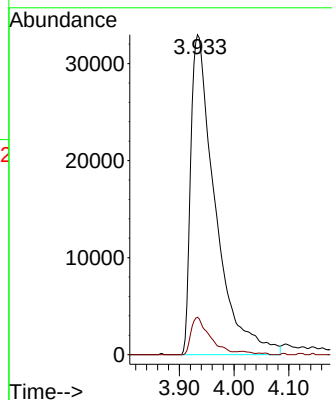
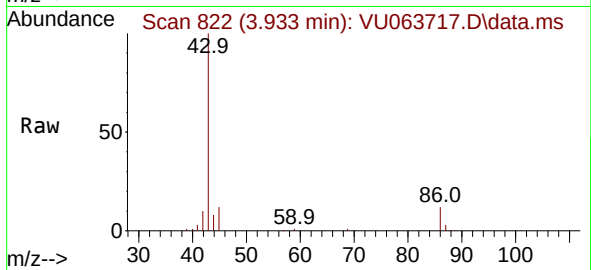
#23
 Vinyl Acetate
 Concen: 25.908 ug/l
 RT: 3.933 min Scan# 818
 Delta R.T. 0.013 min
 Lab File: VU063717.D
 Acq: 12 Nov 2025 14:05

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

Tgt Ion: 43 Resp: 10252
 Ion Ratio Lower Upper
 43 100
 86 11.7 8.7 13.1

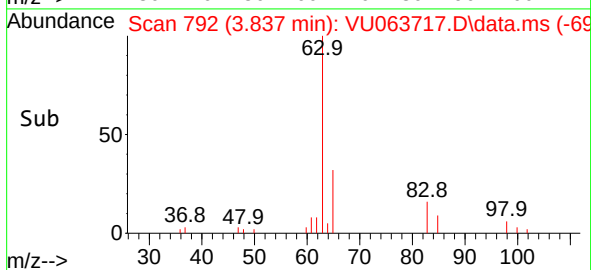
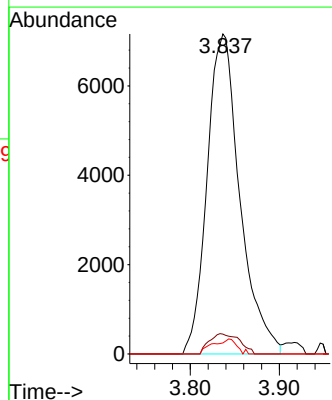
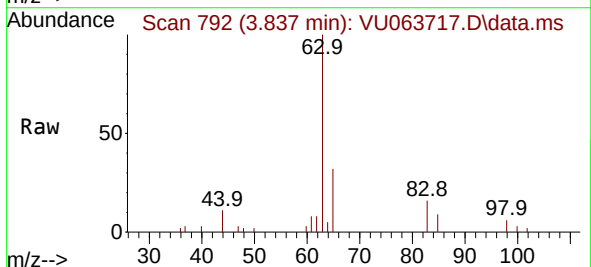
Manual Integrations
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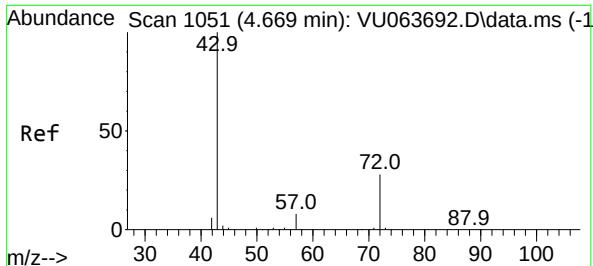
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#24
 1,1-Dichloroethane
 Concen: 5.469 ug/l
 RT: 3.837 min Scan# 792
 Delta R.T. 0.003 min
 Lab File: VU063717.D
 Acq: 12 Nov 2025 14:05

Tgt Ion: 63 Resp: 18301
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.7 11.1
 100 3.4 2.5 7.5





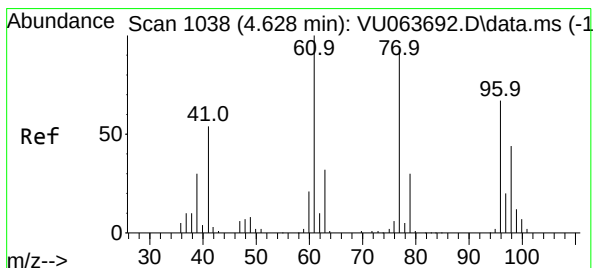
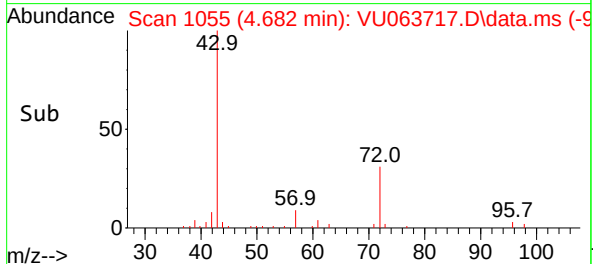
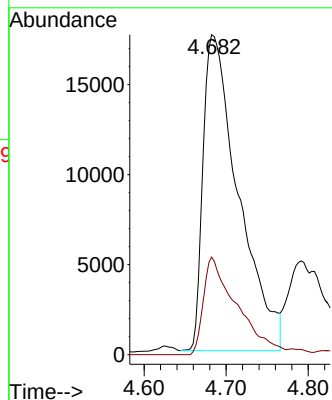
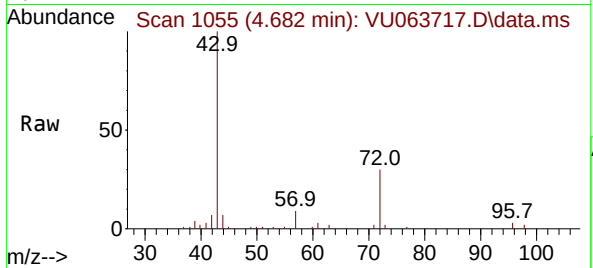
#25
2-Butanone
Concen: 28.514 ug/l
RT: 4.682 min Scan# 1055
Delta R.T. 0.013 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

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

Tgt Ion: 43 Resp: 5268
Ion Ratio Lower Upper
43 100
72 30.9 22.0 33.0

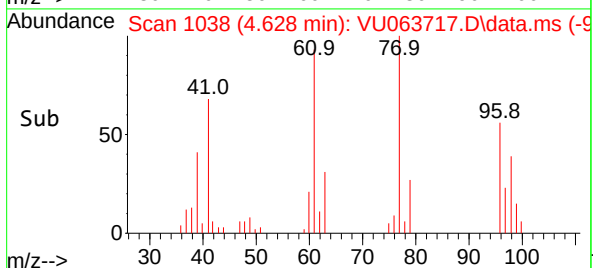
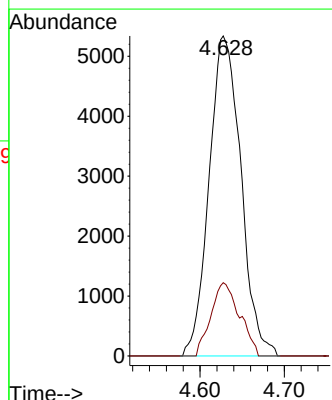
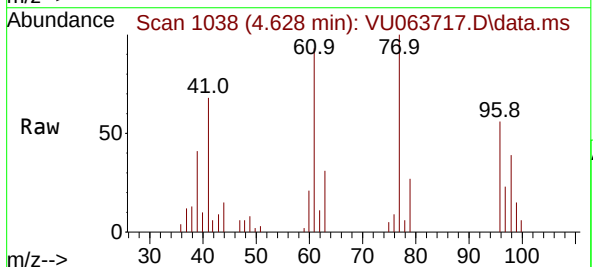
Manual Integrations
APPROVED

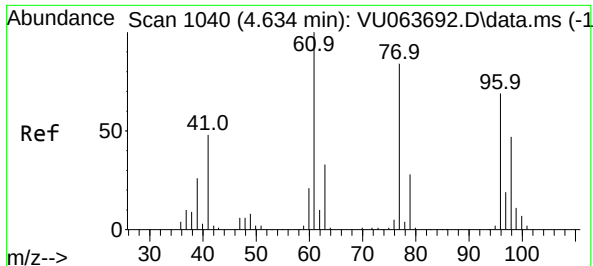
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#26
2,2-Dichloropropane
Concen: 4.868 ug/l
RT: 4.628 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

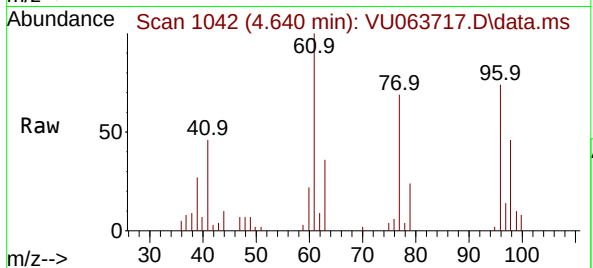
Tgt Ion: 77 Resp: 13992
Ion Ratio Lower Upper
77 100
97 20.6 10.9 32.9





#27
 cis-1,2-Dichloroethene
 Concen: 5.266 ug/l
 RT: 4.640 min Scan# 1042
 Delta R.T. 0.006 min
 Lab File: VU063717.D
 Acq: 12 Nov 2025 14:05

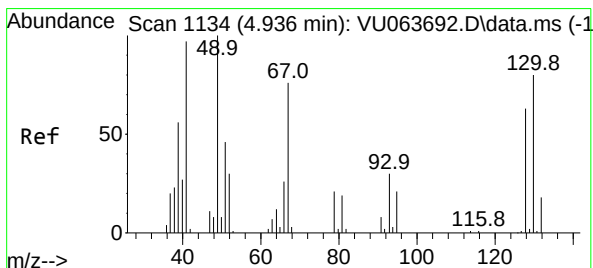
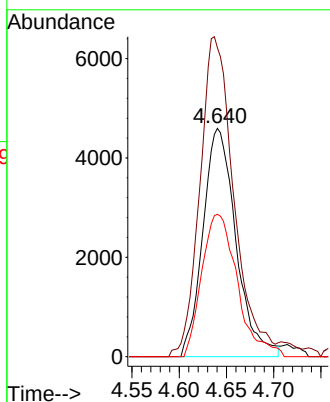
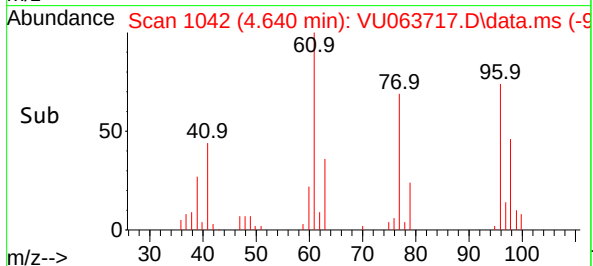
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2025



Tgt Ion: 96 Resp: 11159
 Ion Ratio Lower Upper
 96 100
 61 143.8 0.0 295.4
 98 67.2 0.0 131.8

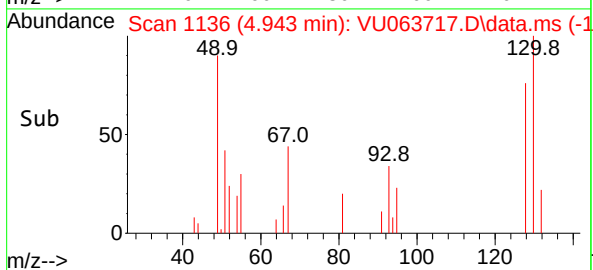
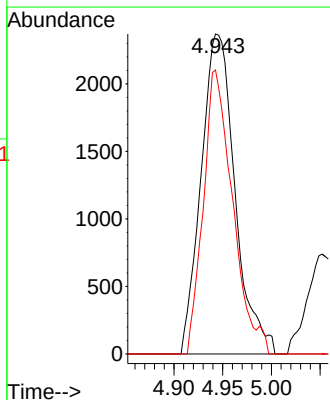
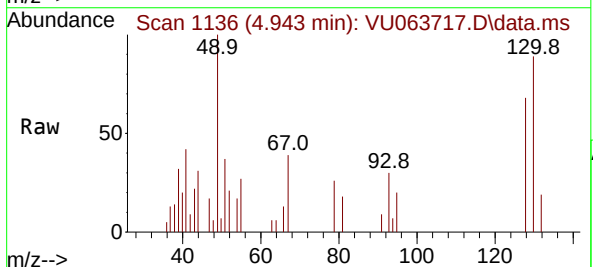
Manual Integrations
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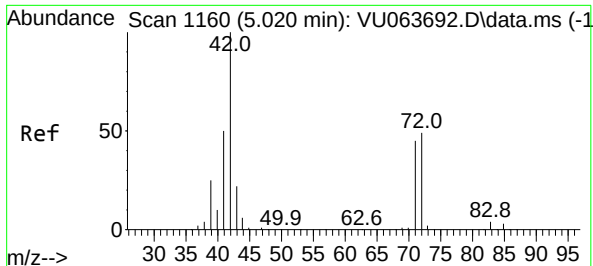
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#28
 Bromochloromethane
 Concen: 4.285 ug/l
 RT: 4.943 min Scan# 1136
 Delta R.T. 0.006 min
 Lab File: VU063717.D
 Acq: 12 Nov 2025 14:05

Tgt Ion: 49 Resp: 5739
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 76.7 65.1 97.7





#29

Tetrahydrofuran

Concen: 24.947 ug/l

RT: 5.026 min Scan# 1162

Delta R.T. 0.006 min

Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

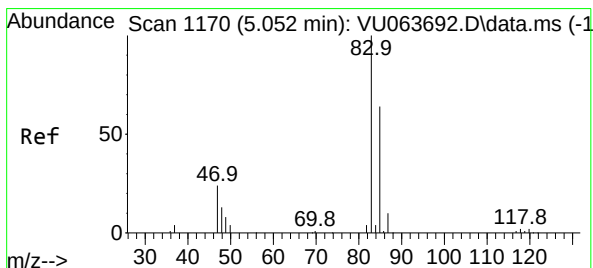
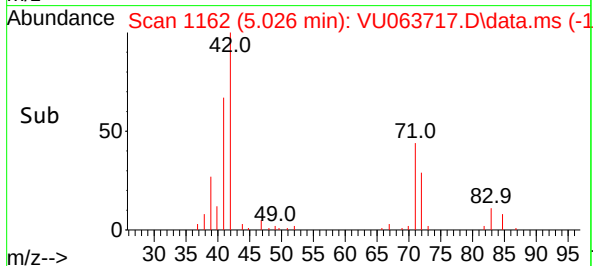
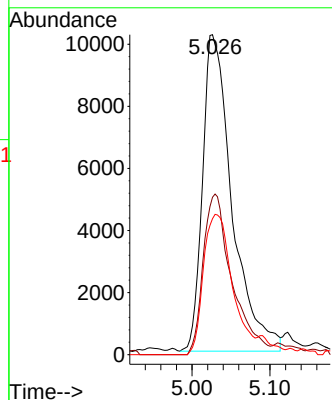
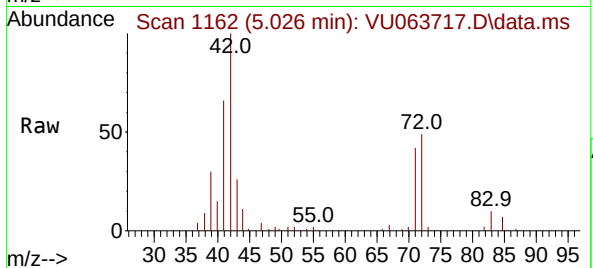
Tgt Ion:	42	Resp:	2682
Ion Ratio	Lower	Upper	
42	100		
72	49.5	40.0	60.0
71	43.3	37.4	56.0

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#30

Chloroform

Concen: 5.402 ug/l

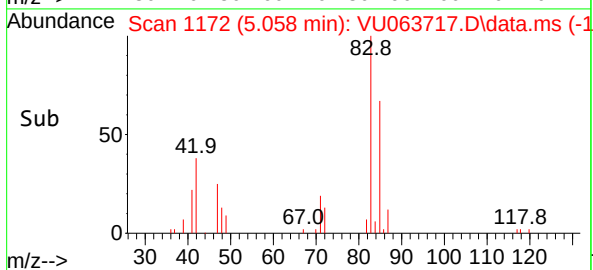
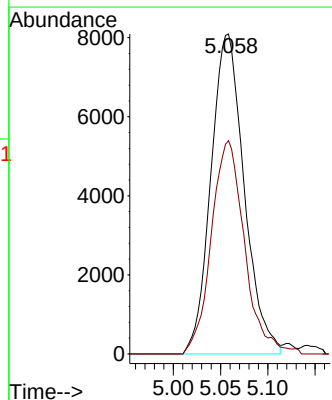
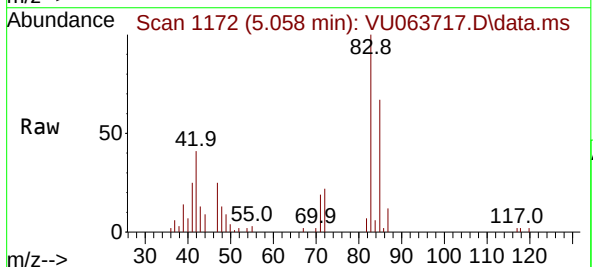
RT: 5.058 min Scan# 1172

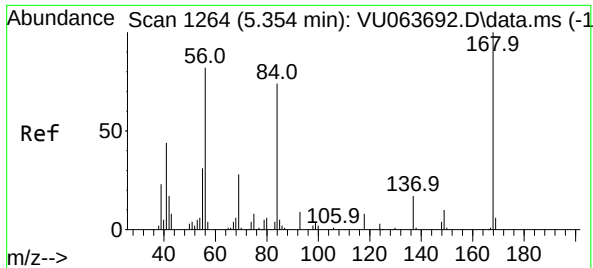
Delta R.T. 0.006 min

Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

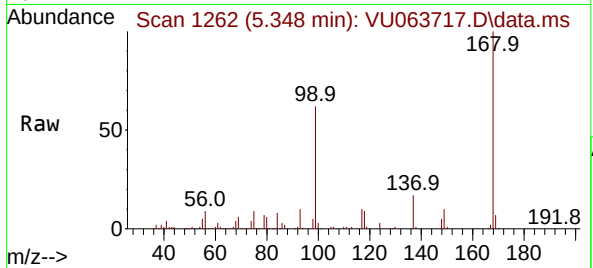
Tgt Ion:	83	Resp:	19805
Ion Ratio	Lower	Upper	
83	100		
85	66.7	51.0	76.6





#31
Cyclohexane
Concen: 6.804 ug/l
RT: 5.348 min Scan# 1262
Delta R.T. -0.006 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

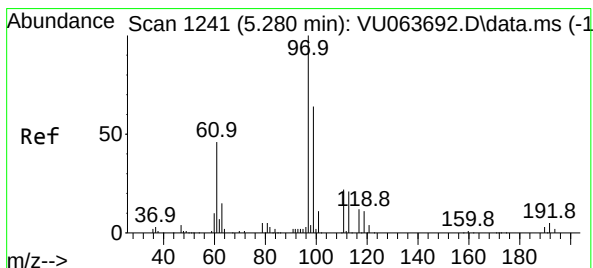
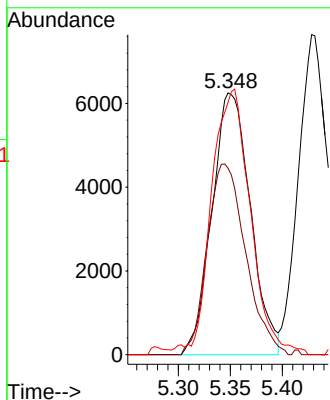
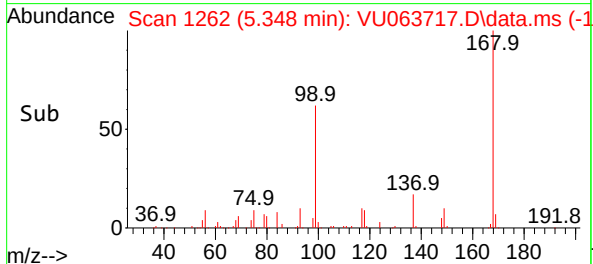
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 56 Resp: 16078
Ion Ratio Lower Upper
56 100
69 71.3 27.0 40.6
84 92.8 71.8 107.6

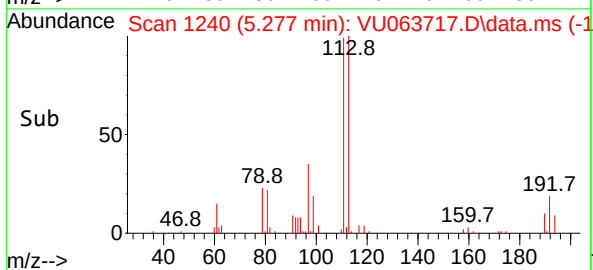
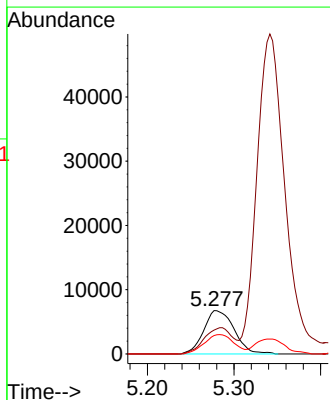
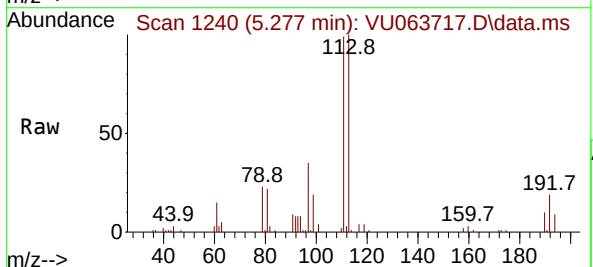
Manual Integrations
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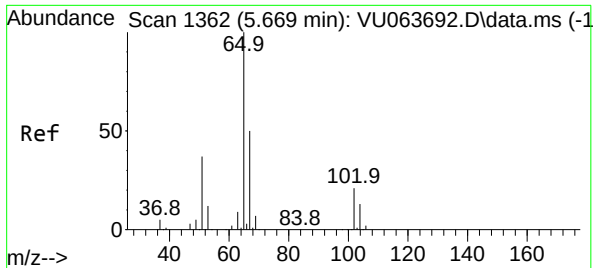
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#32
1,1,1-Trichloroethane
Concen: 5.489 ug/l
RT: 5.277 min Scan# 1240
Delta R.T. -0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

Tgt Ion: 97 Resp: 16514
Ion Ratio Lower Upper
97 100
99 57.3 49.8 74.8
61 43.1 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 49.141 ug/l

RT: 5.669 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 65 Resp: 131879

Ion Ratio Lower Upper

65 100

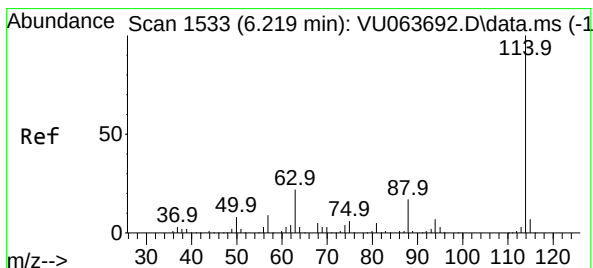
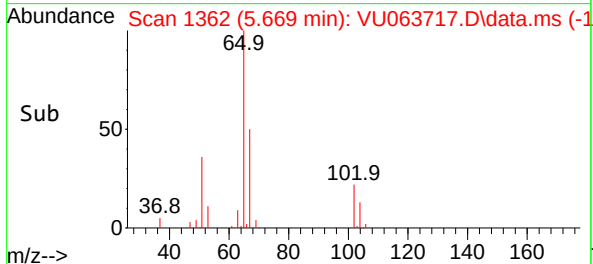
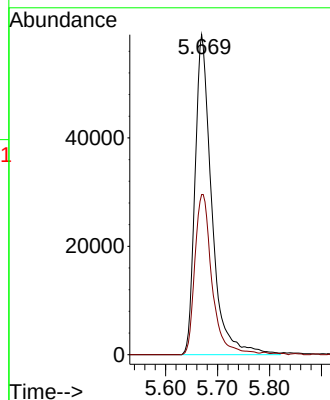
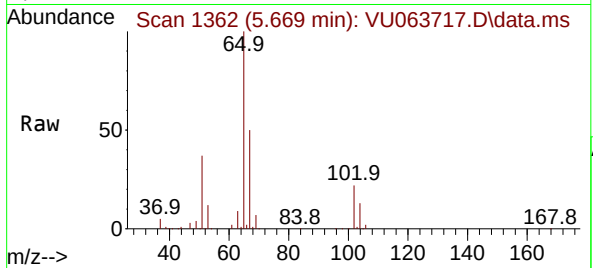
67 51.4 0.0 101.8

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.219 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

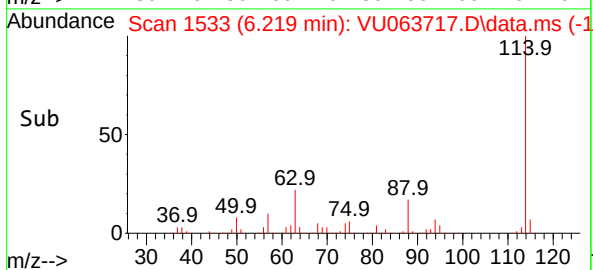
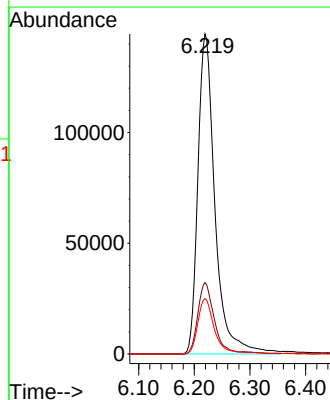
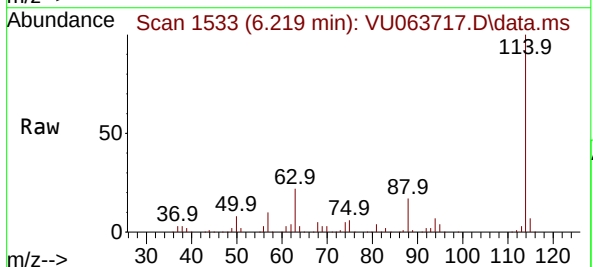
Tgt Ion:114 Resp: 308405

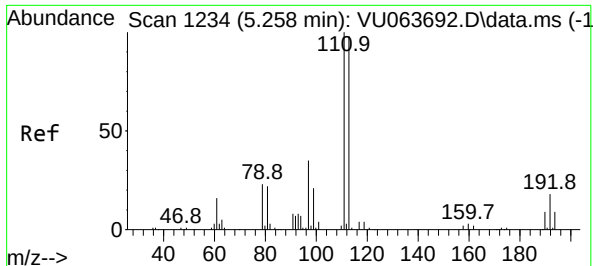
Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.0

88 17.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 47.555 ug/l

RT: 5.258 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion:113 Resp: 10272

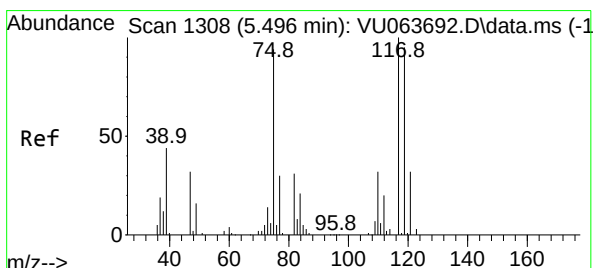
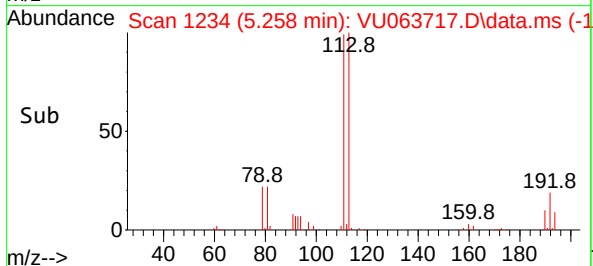
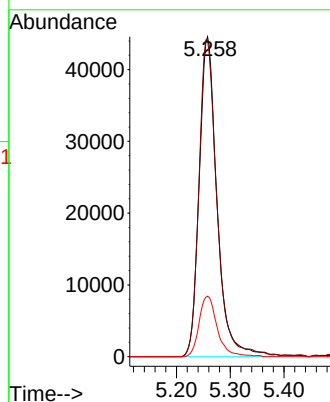
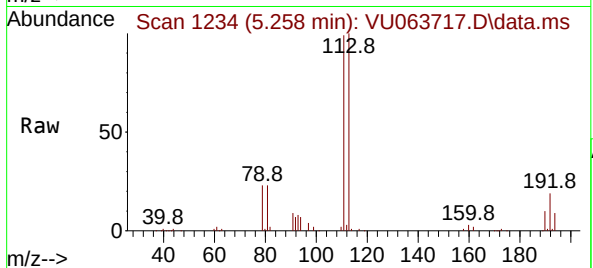
Ion	Ratio	Lower	Upper
113	100		
111	98.1	82.4	123.6
192	19.2	15.4	23.0

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#36

1,1-Dichloropropene

Concen: 5.262 ug/l

RT: 5.499 min Scan# 1309

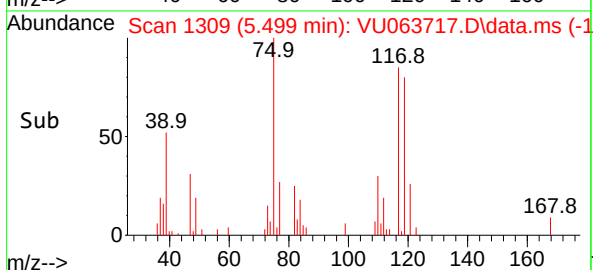
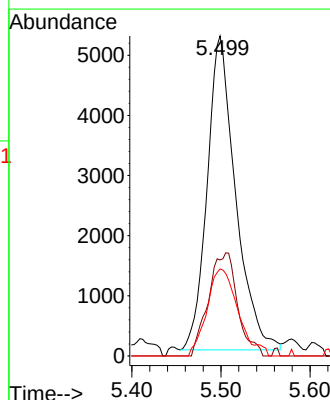
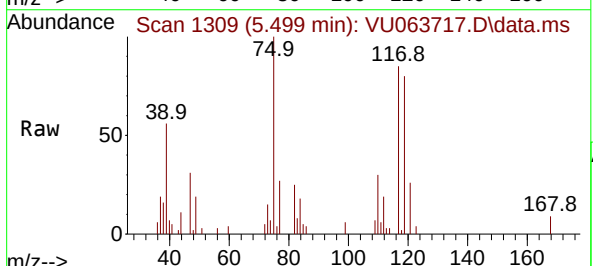
Delta R.T. 0.003 min

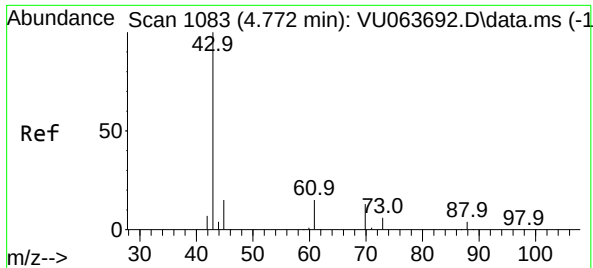
Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

Tgt Ion: 75 Resp: 11569

Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.3	51.7
77	30.2	24.4	36.6





#37

Ethyl Acetate

Concen: 4.465 ug/l

RT: 4.792 min Scan# 1089

Delta R.T. 0.019 min

Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 43 Resp: 1390

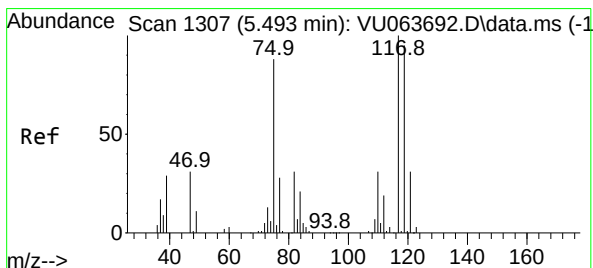
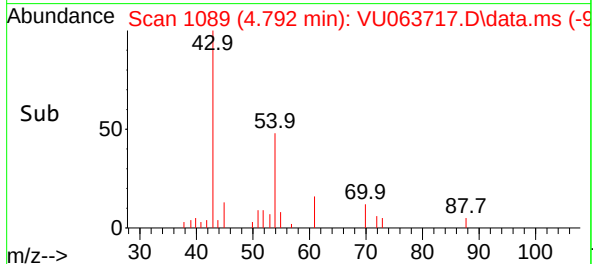
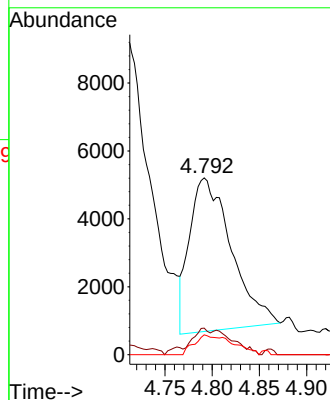
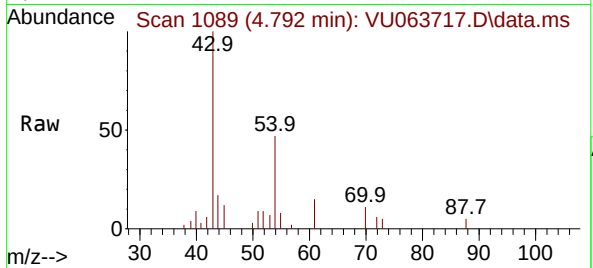
Ion	Ratio	Lower	Upper
43	100		
61	5.0	10.3	15.5
70	11.8	8.9	13.3

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#38

Carbon Tetrachloride

Concen: 4.711 ug/l

RT: 5.496 min Scan# 1308

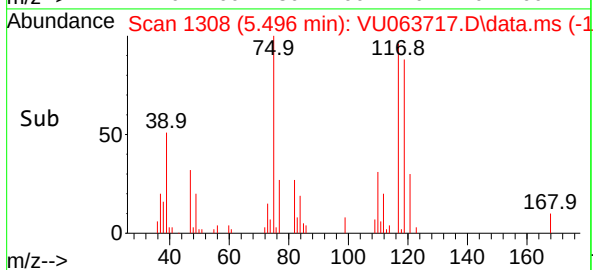
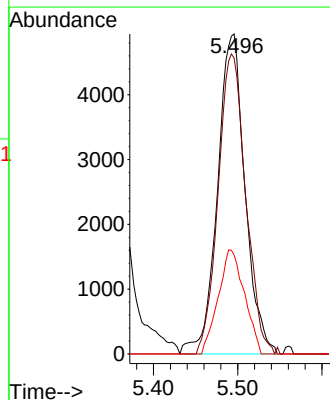
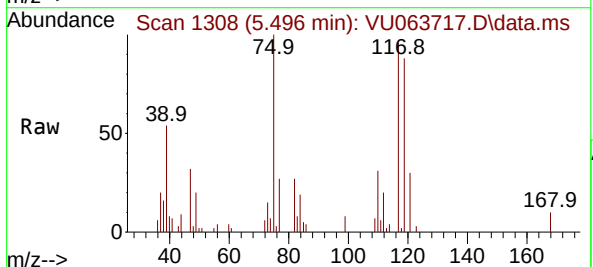
Delta R.T. 0.003 min

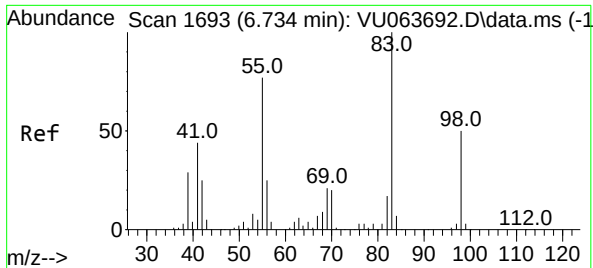
Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

Tgt Ion:117 Resp: 11194

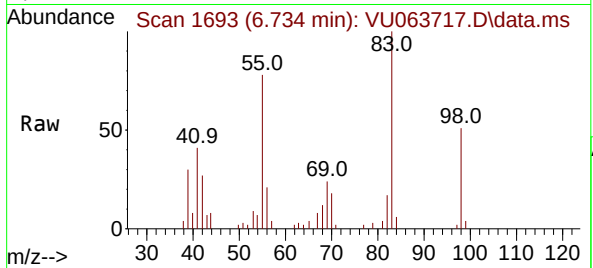
Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.1	114.1
121	30.9	24.6	37.0





#39
Methylcyclohexane
Concen: 5.266 ug/l
RT: 6.734 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

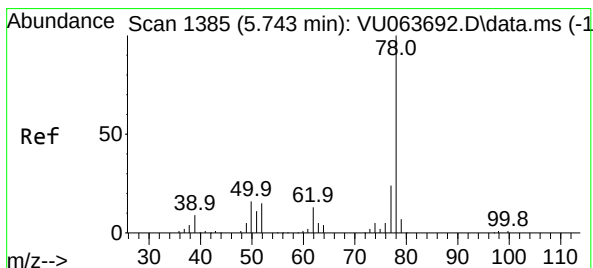
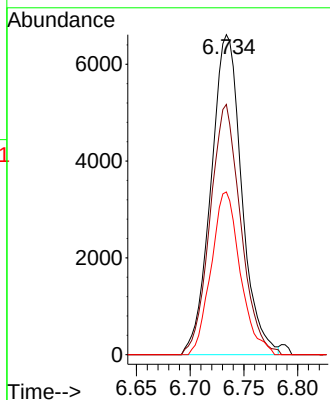
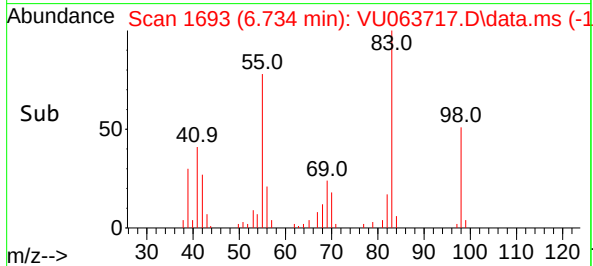
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 83 Resp: 13144
Ion Ratio Lower Upper
83 100
55 78.2 61.6 92.4
98 50.8 40.0 60.0

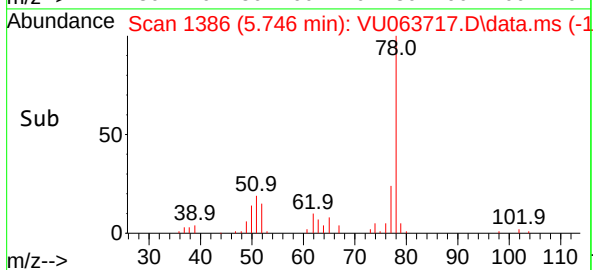
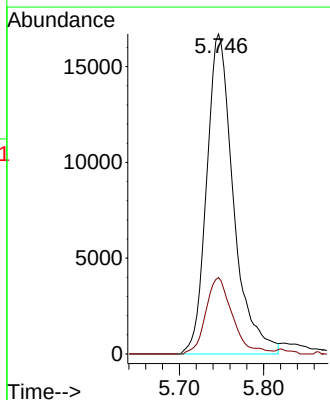
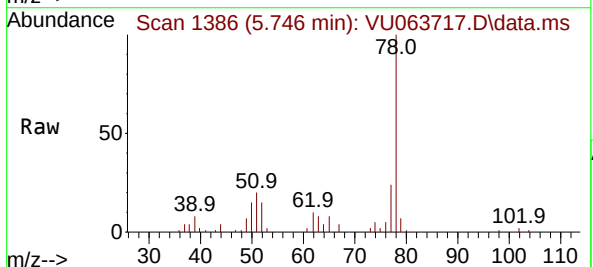
Manual Integrations
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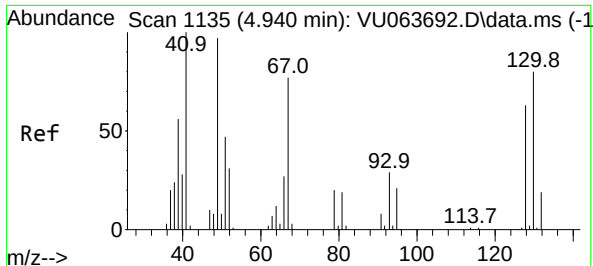
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#40
Benzene
Concen: 5.205 ug/l
RT: 5.746 min Scan# 1386
Delta R.T. 0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

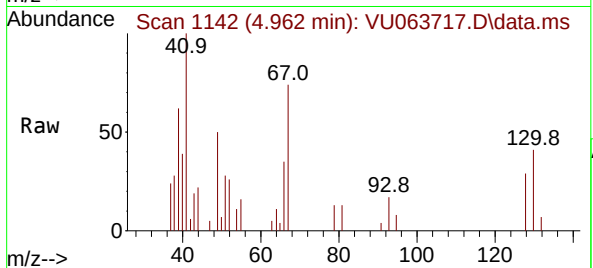
Tgt Ion: 78 Resp: 36930
Ion Ratio Lower Upper
78 100
77 23.9 18.9 28.3





#41
Methacrylonitrile
Concen: 3.927 ug/l
RT: 4.962 min Scan# 1142
Delta R.T. 0.022 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

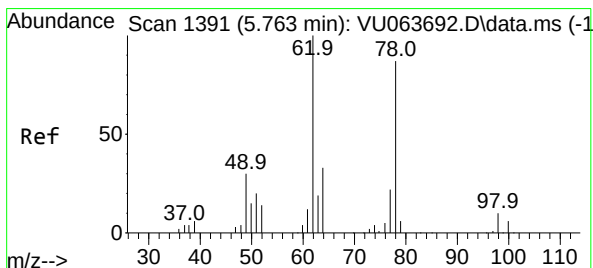
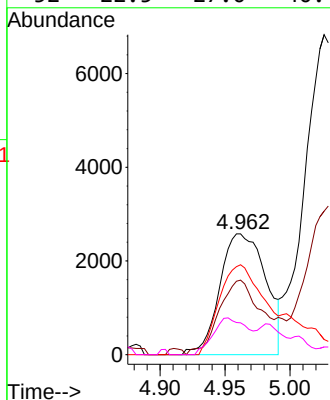
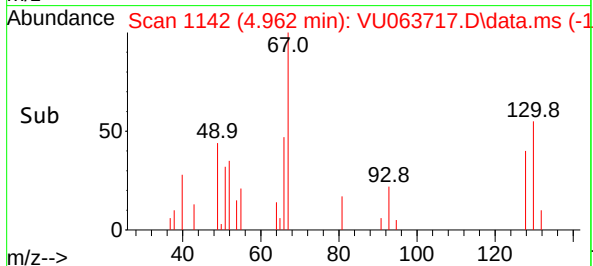
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025



Tgt Ion: 41 Resp: 635
Ion Ratio Lower Upper
41 100
39 55.9 44.7 67.1
67 95.9 67.4 101.2
52 22.5 27.0 40.4#

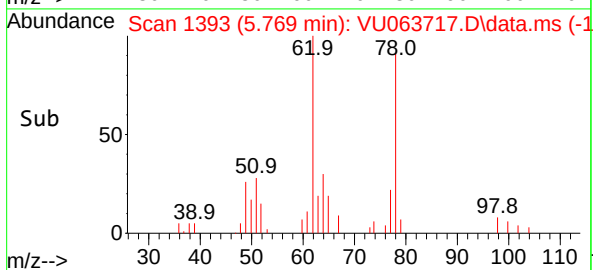
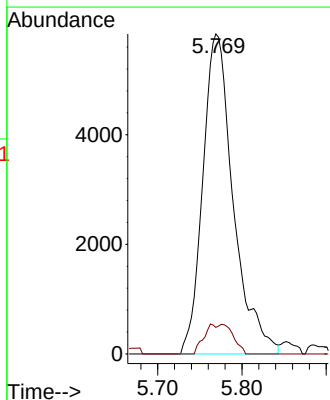
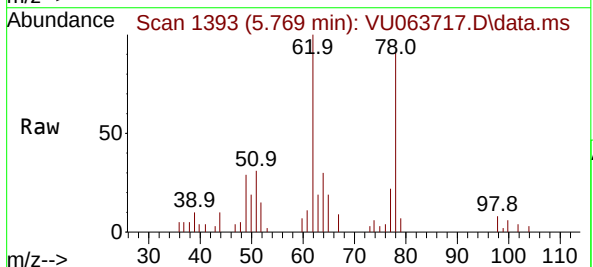
Manual Integrations
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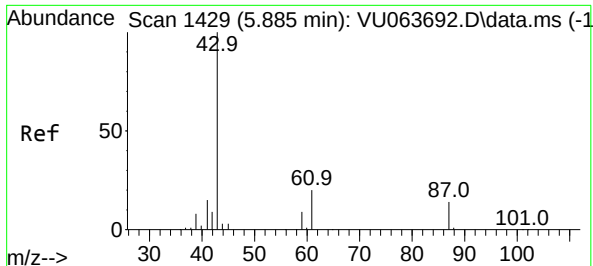
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#42
1,2-Dichloroethane
Concen: 5.241 ug/l
RT: 5.769 min Scan# 1393
Delta R.T. 0.006 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

Tgt Ion: 62 Resp: 14666
Ion Ratio Lower Upper
62 100
98 3.9 0.0 18.2





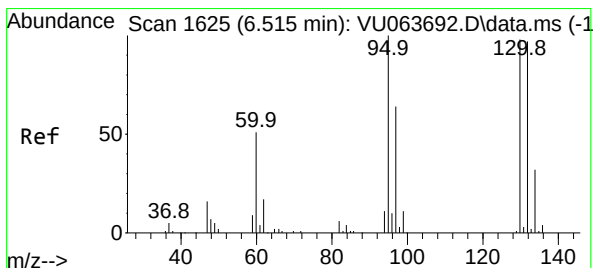
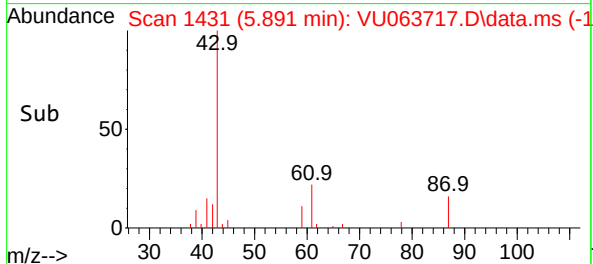
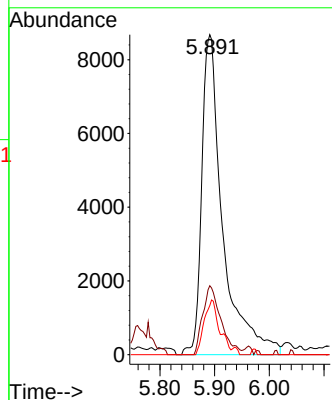
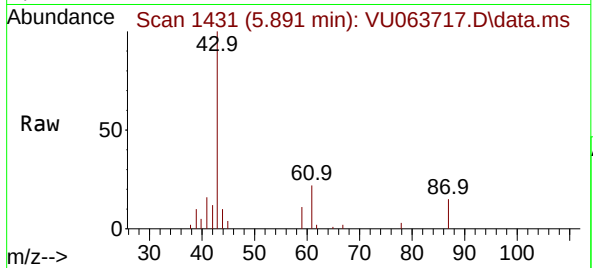
#43
Isopropyl Acetate
Concen: 5.052 ug/l
RT: 5.891 min Scan# 1429
Delta R.T. 0.006 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

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

Tgt Ion: 43 Resp: 2305
Ion Ratio Lower Upper
43 100
61 18.7 15.9 23.9
87 12.5 11.0 16.6

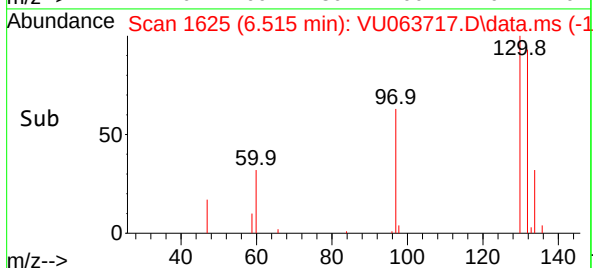
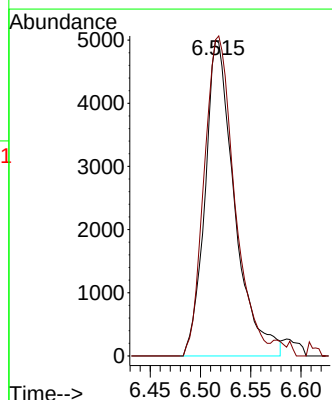
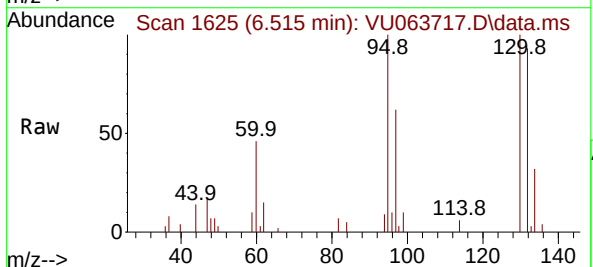
Manual Integrations
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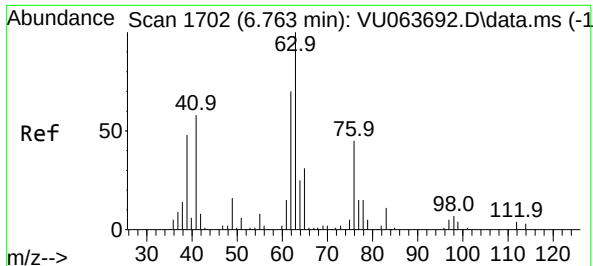
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#44
Trichloroethene
Concen: 5.122 ug/l
RT: 6.515 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

Tgt Ion:130 Resp: 10196
Ion Ratio Lower Upper
130 100
95 100.2 0.0 203.6





#45

1,2-Dichloropropane

Concen: 5.094 ug/l

RT: 6.759 min Scan# 1701

Delta R.T. -0.003 min

Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

Instrument :

MSVOA_U

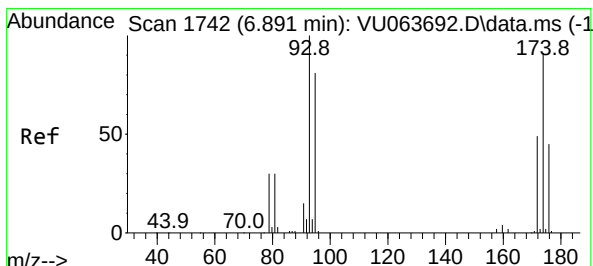
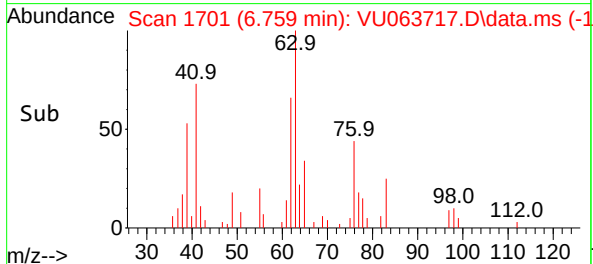
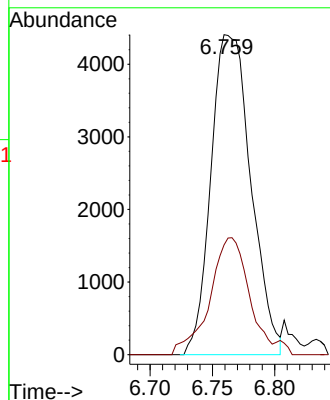
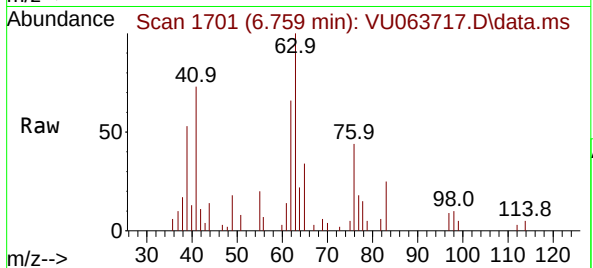
ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 63 Resp: 9824
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.9 37.3

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Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#46

Dibromomethane

Concen: 5.164 ug/l

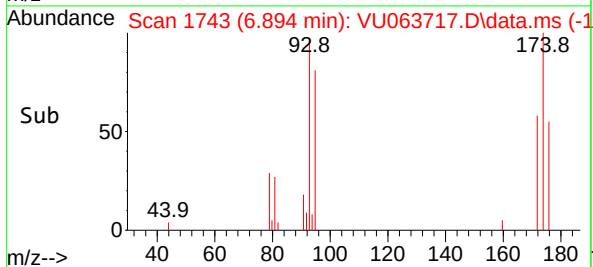
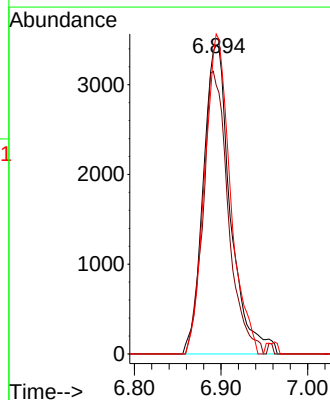
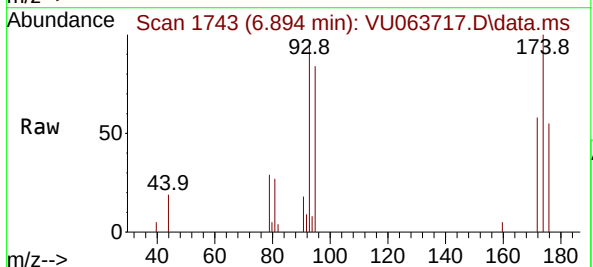
RT: 6.894 min Scan# 1743

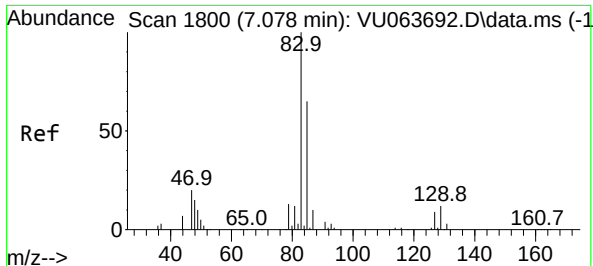
Delta R.T. 0.003 min

Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

Tgt Ion: 93 Resp: 7478
 Ion Ratio Lower Upper
 93 100
 95 84.9 65.9 98.9
 174 98.1 74.9 112.3





#47

Bromodichloromethane

Concen: 4.465 ug/l

RT: 7.081 min Scan# 1800

Delta R.T. 0.003 min

Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

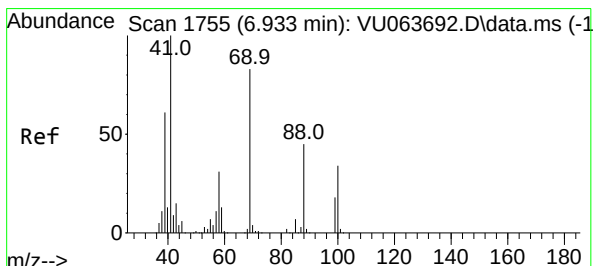
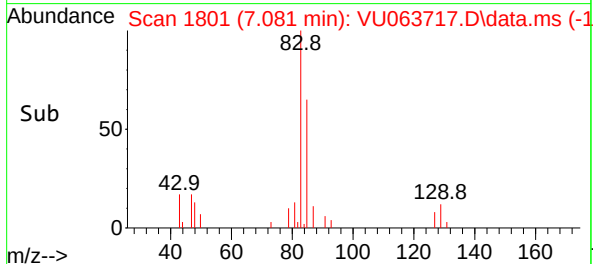
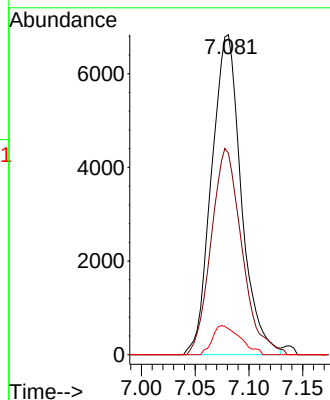
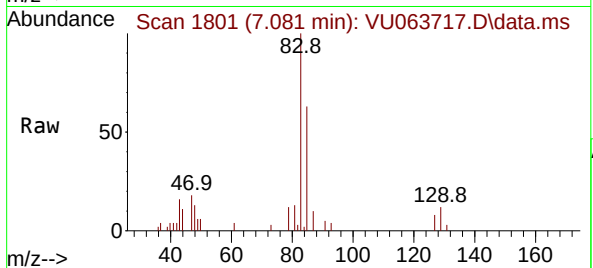
Tgt Ion: 83	Resp: 13110
Ion Ratio	Lower Upper
83 100	
85 63.0	51.9 77.9
127 8.1	6.9 10.3

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#48

Methyl methacrylate

Concen: 4.667 ug/l

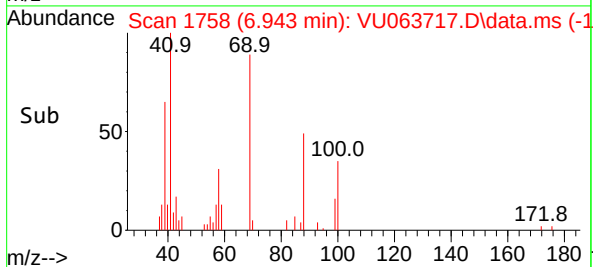
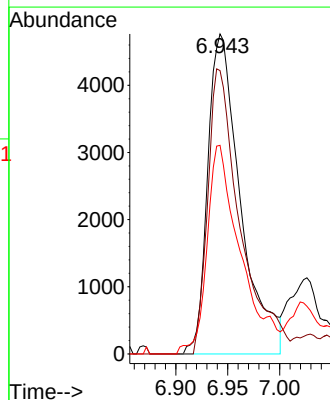
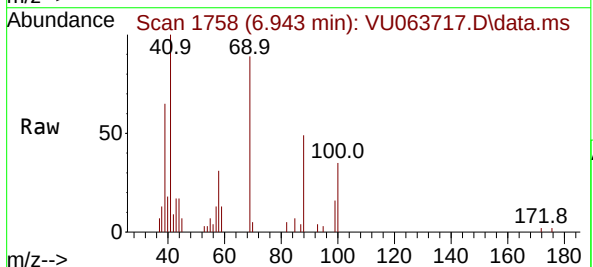
RT: 6.943 min Scan# 1758

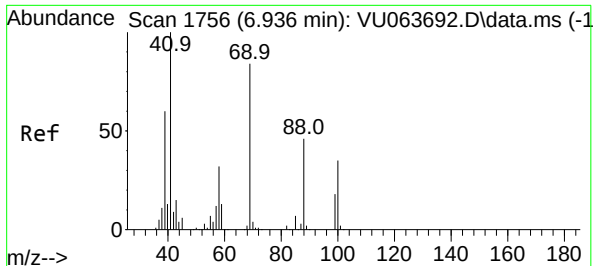
Delta R.T. 0.010 min

Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

Tgt Ion: 41	Resp: 10453
Ion Ratio	Lower Upper
41 100	
69 88.1	72.9 109.3
39 62.3	51.0 76.4





#49

1,4-Dioxane

Concen: 86.403 ug/l

RT: 6.943 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

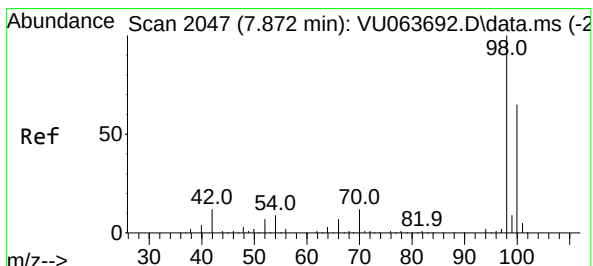
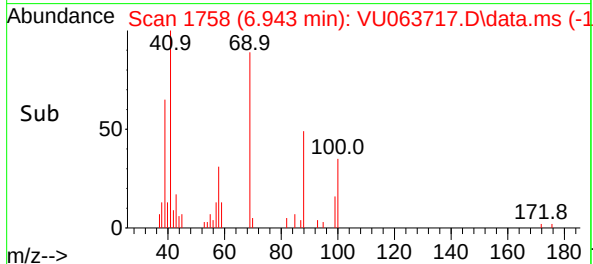
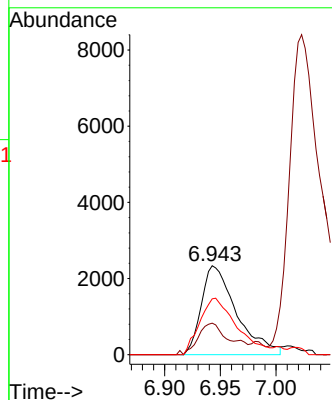
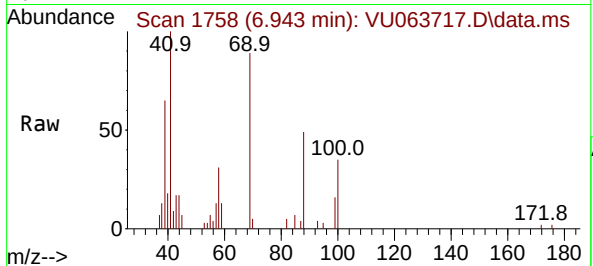
Tgt Ion: 88	Resp: 512
Ion Ratio	Lower Upper
88	100
43	26.8 24.1 36.1
58	66.7 54.2 81.4

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#50

Toluene-d8

Concen: 45.943 ug/l

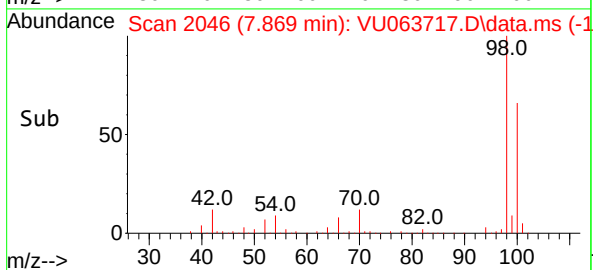
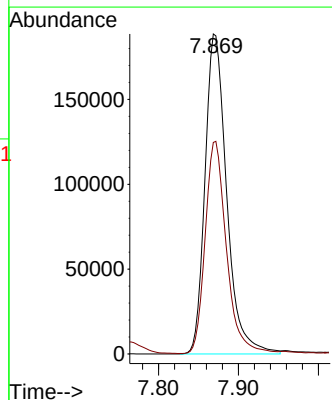
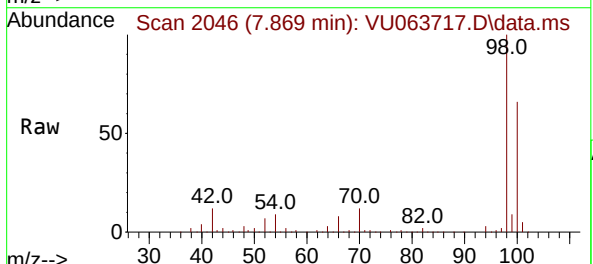
RT: 7.869 min Scan# 2046

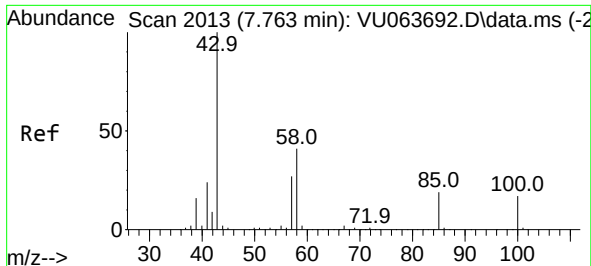
Delta R.T. -0.003 min

Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

Tgt Ion: 98	Resp: 356521
Ion Ratio	Lower Upper
98	100
100	64.8 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 23.716 ug/l

RT: 7.766 min Scan# 2013

Delta R.T. 0.003 min

Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 43 Resp: 82808

Ion Ratio Lower Upper

43 100

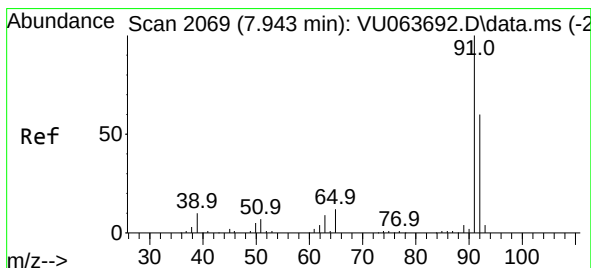
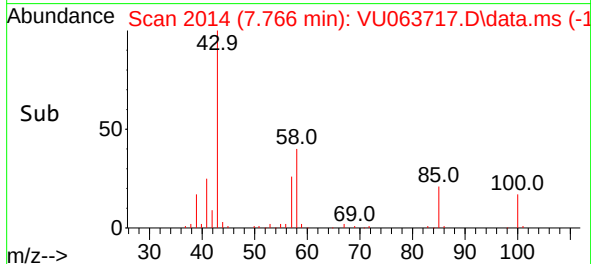
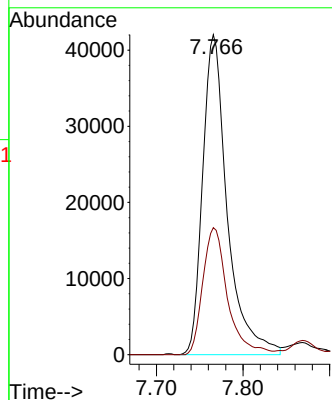
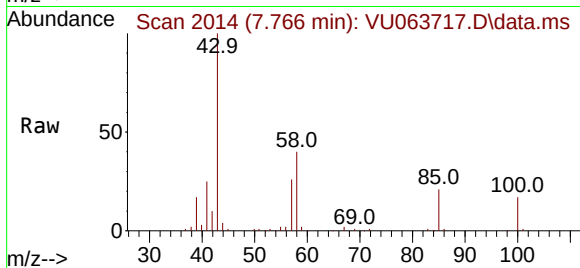
58 39.9 32.3 48.5

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#52

Toluene

Concen: 5.473 ug/l

RT: 7.943 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VU063717.D

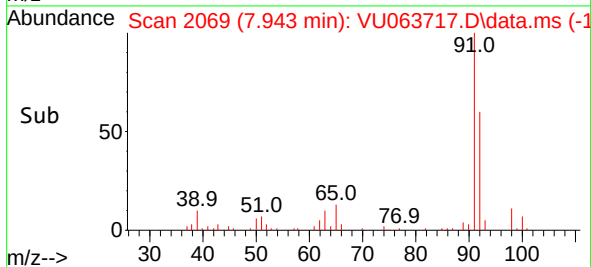
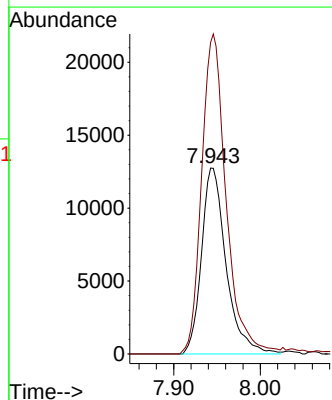
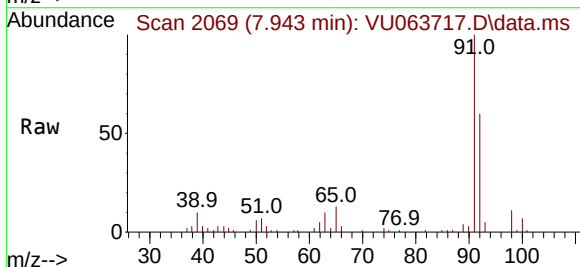
Acq: 12 Nov 2025 14:05

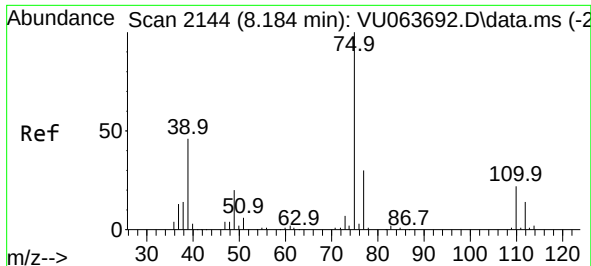
Tgt Ion: 92 Resp: 25199

Ion Ratio Lower Upper

92 100

91 170.9 136.6 204.8





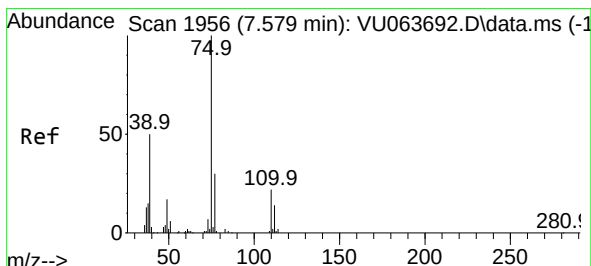
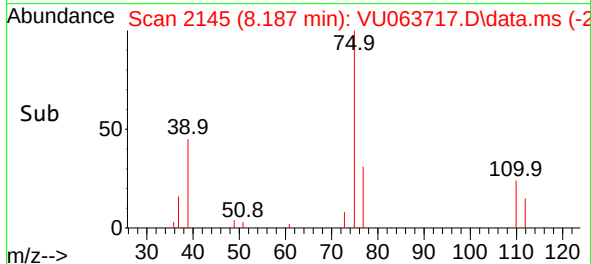
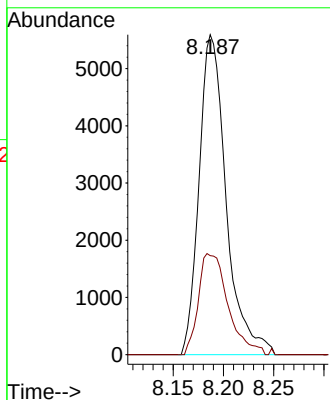
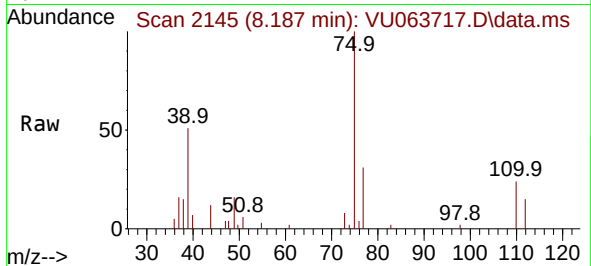
#53
 t-1,3-Dichloropropene
 Concen: 4.235 ug/l
 RT: 8.187 min Scan# 2144
 Delta R.T. 0.003 min
 Lab File: VU063717.D
 Acq: 12 Nov 2025 14:05

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

Tgt Ion: 75 Resp: 10470
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.3 36.5

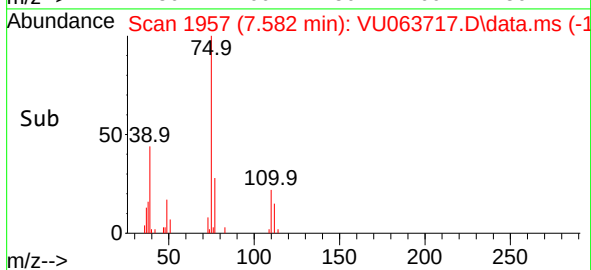
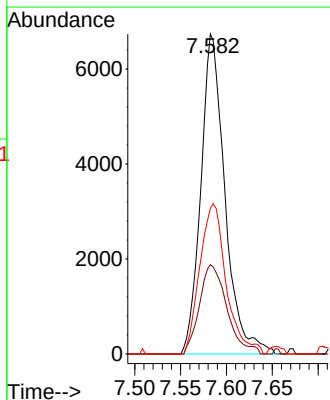
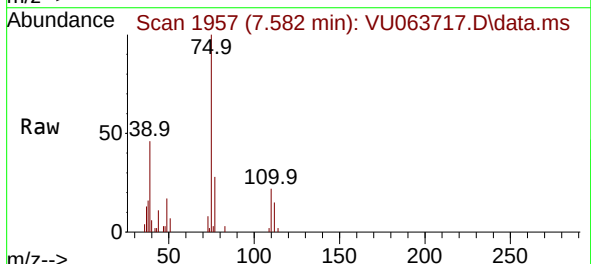
Manual Integrations
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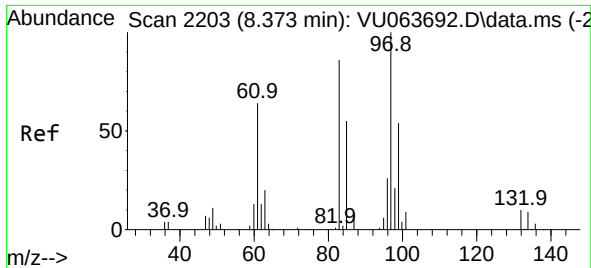
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#54
 cis-1,3-Dichloropropene
 Concen: 4.443 ug/l
 RT: 7.582 min Scan# 1957
 Delta R.T. 0.003 min
 Lab File: VU063717.D
 Acq: 12 Nov 2025 14:05

Tgt Ion: 75 Resp: 12312
 Ion Ratio Lower Upper
 75 100
 77 27.9 24.3 36.5
 39 45.5 40.2 60.2





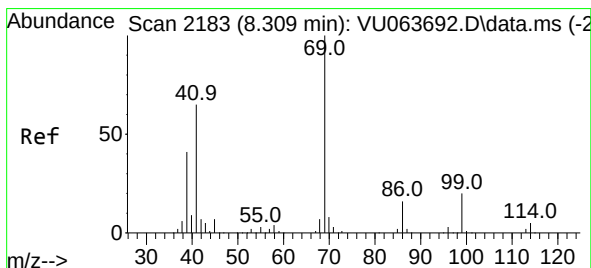
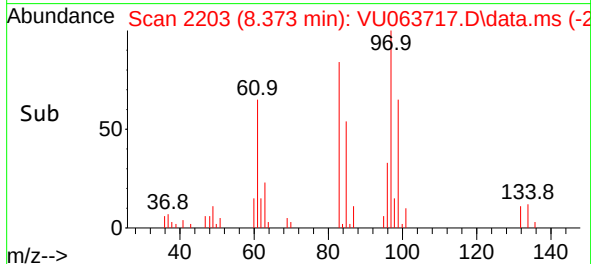
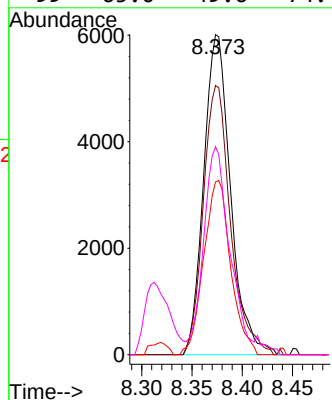
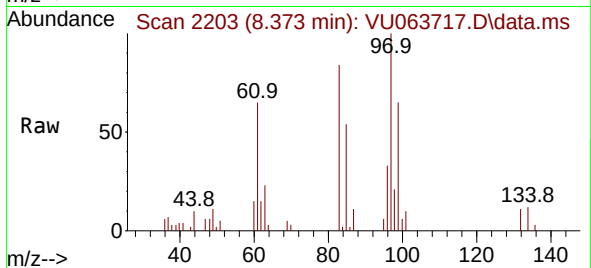
#55
1,1,2-Trichloroethane
Concen: 5.295 ug/l
RT: 8.373 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

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

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.0	103.4
85	54.0	44.2	66.4
99	65.0	49.6	74.4

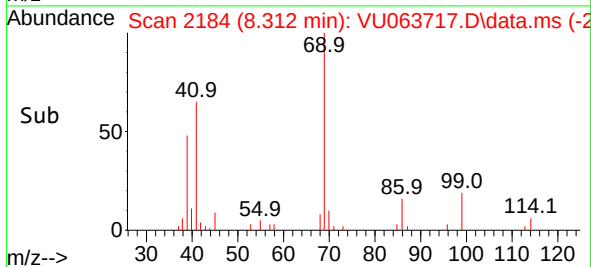
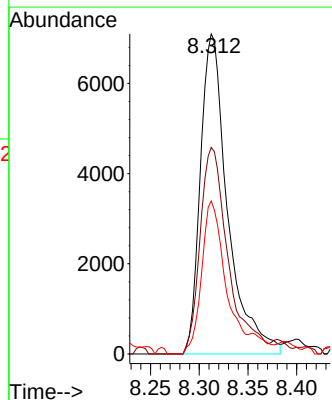
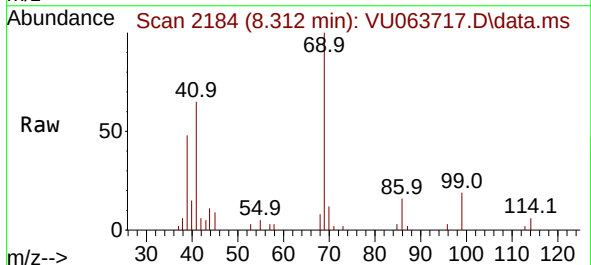
Manual Integrations
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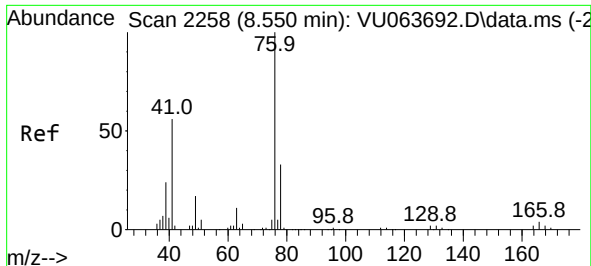
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#56
Ethyl methacrylate
Concen: 4.433 ug/l
RT: 8.312 min Scan# 2184
Delta R.T. 0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

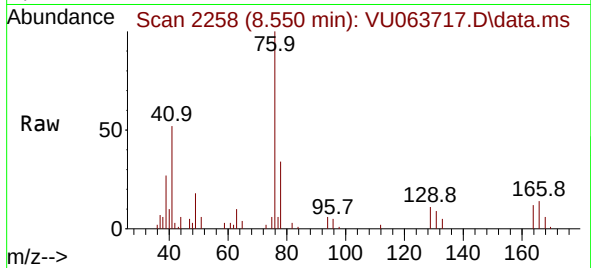
Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.4	51.4	77.2
39	41.9	32.2	48.4





#57
1,3-Dichloropropane
Concen: 5.297 ug/l
RT: 8.550 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

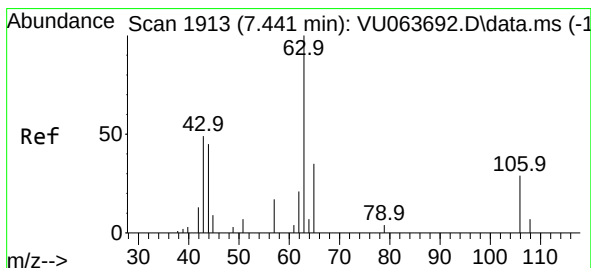
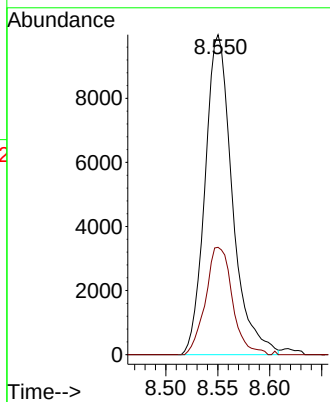
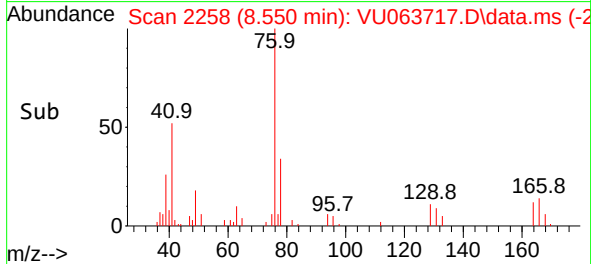
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 76 Resp: 18260
Ion Ratio Lower Upper
76 100
78 32.9 26.2 39.4

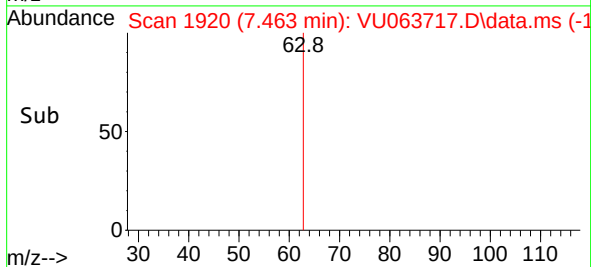
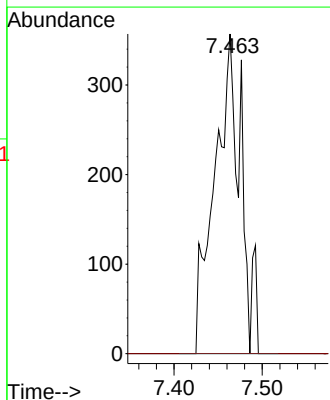
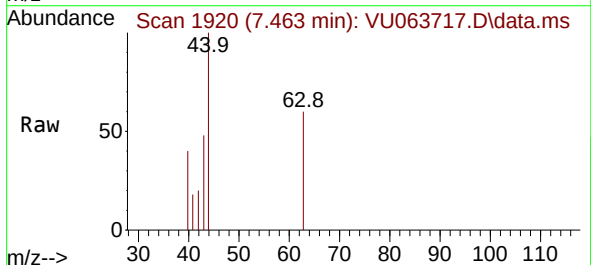
Manual Integrations
APPROVED

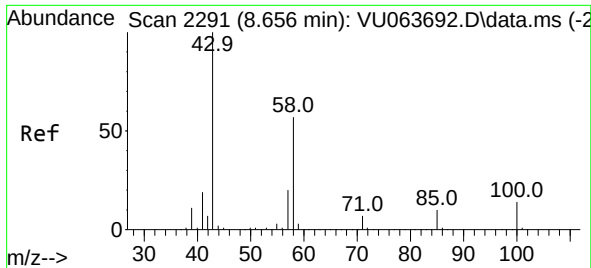
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#58
2-Chloroethyl Vinyl ether
Concen: 19.740 ug/l m
RT: 7.463 min Scan# 1920
Delta R.T. 0.022 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

Tgt Ion: 63 Resp: 740
Ion Ratio Lower Upper
63 100
106 0.0 15.8 23.8#





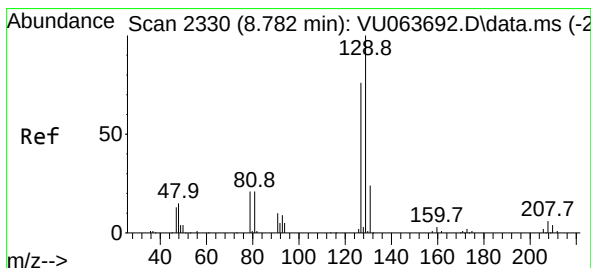
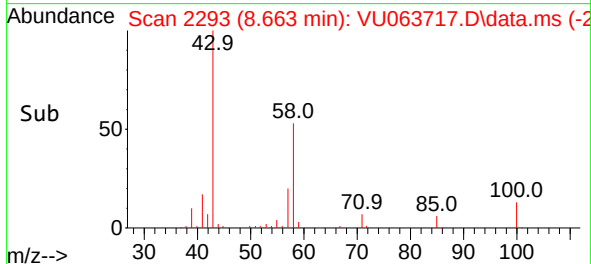
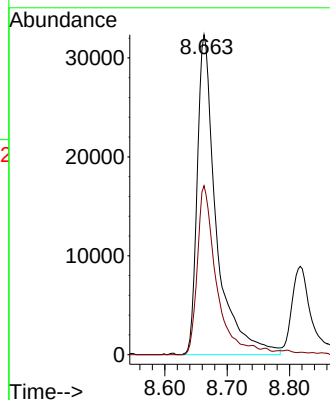
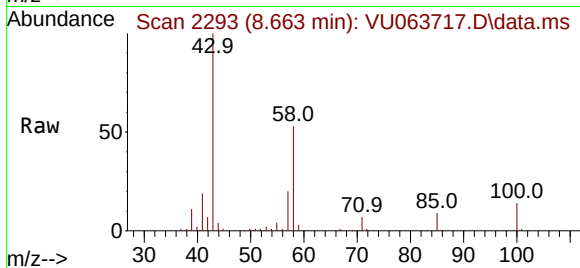
#59
2-Hexanone
Concen: 26.495 ug/l
RT: 8.663 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

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

Tgt Ion: 43 Resp: 68904
Ion Ratio Lower Upper
43 100
58 50.9 28.4 85.3

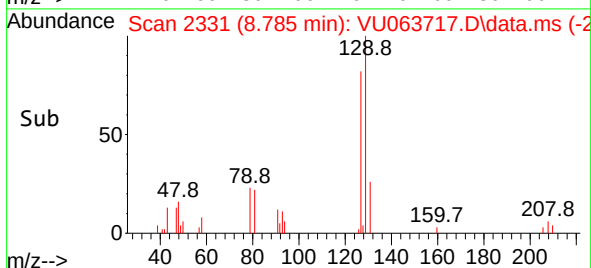
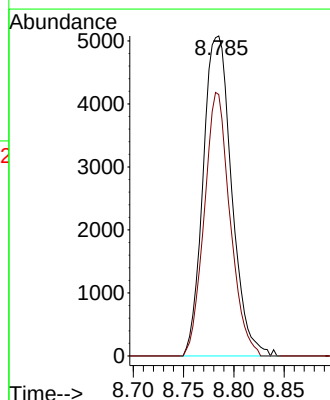
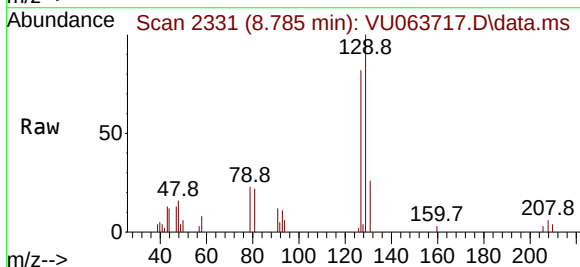
Manual Integrations
APPROVED

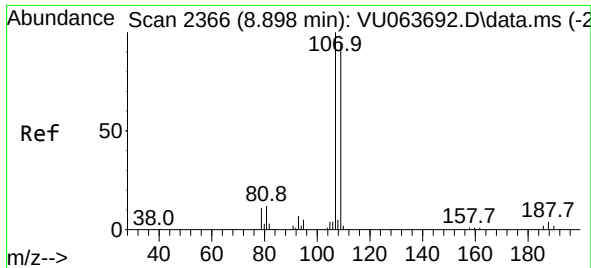
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#60
Dibromochloromethane
Concen: 4.540 ug/l
RT: 8.785 min Scan# 2331
Delta R.T. 0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

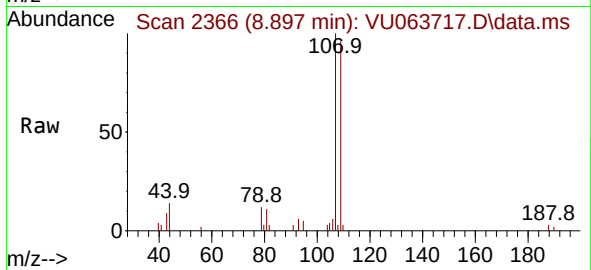
Tgt Ion:129 Resp: 10046
Ion Ratio Lower Upper
129 100
127 74.4 38.2 114.6





#61
1,2-Dibromoethane
Concen: 5.214 ug/l
RT: 8.897 min Scan# 2106
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

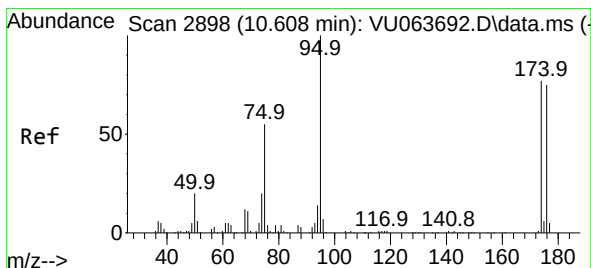
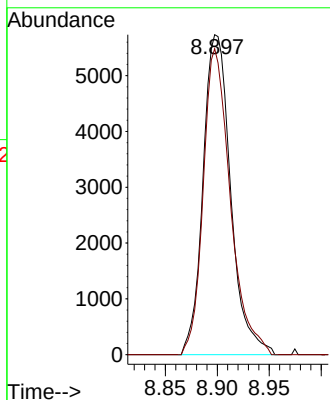
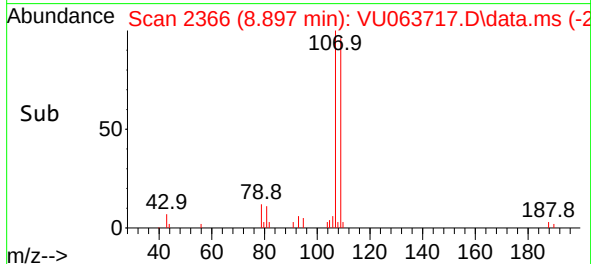
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:107 Resp: 10610
Ion Ratio Lower Upper
107 100
109 93.8 73.8 110.8

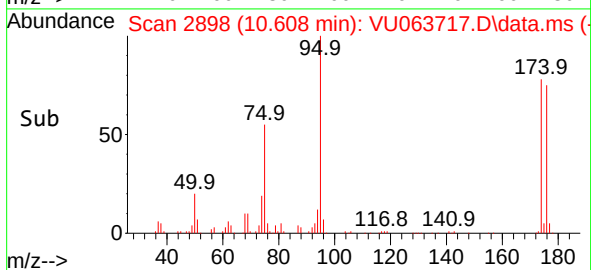
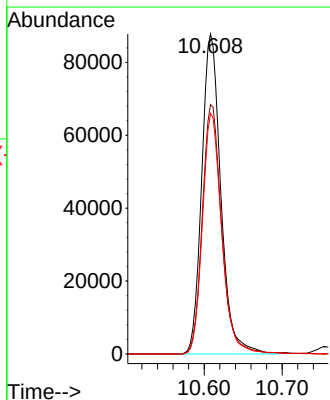
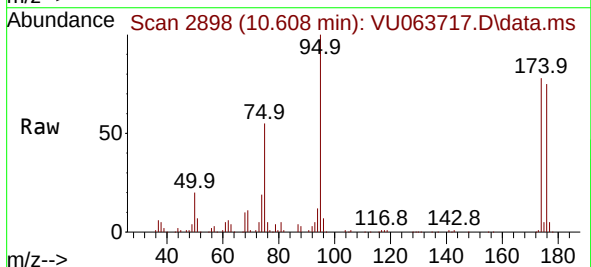
Manual Integrations
APPROVED

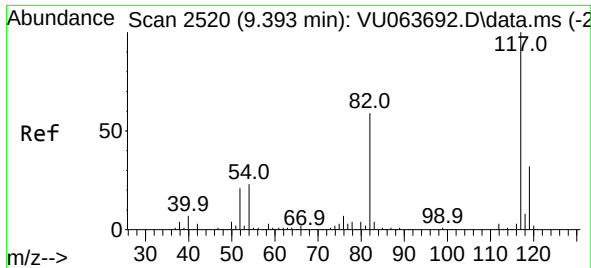
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#62
4-Bromofluorobenzene
Concen: 46.669 ug/l
RT: 10.608 min Scan# 2898
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

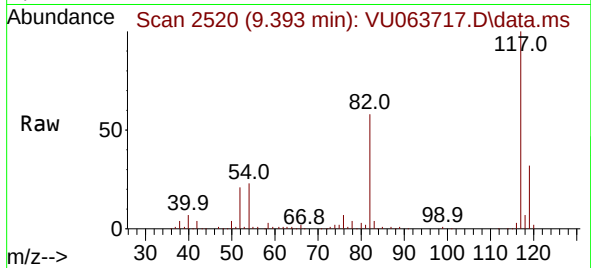
Tgt Ion: 95 Resp: 149812
Ion Ratio Lower Upper
95 100
174 78.9 0.0 154.6
176 75.8 0.0 148.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.393 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

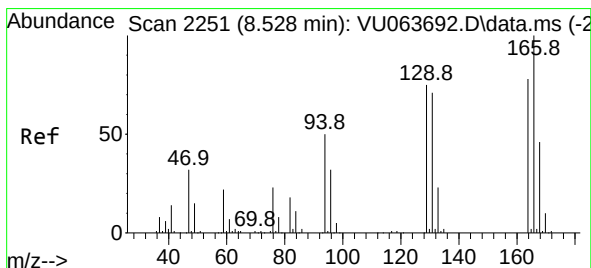
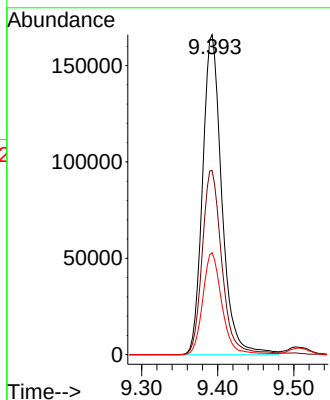
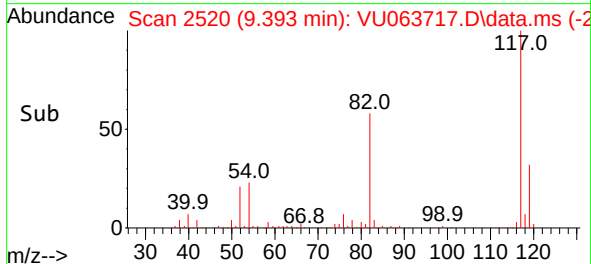
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025



Tgt Ion:117 Resp: 292254
Ion Ratio Lower Upper
117 100
82 57.6 46.9 70.3
119 31.9 25.8 38.8

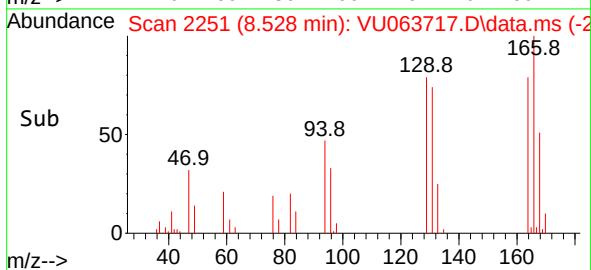
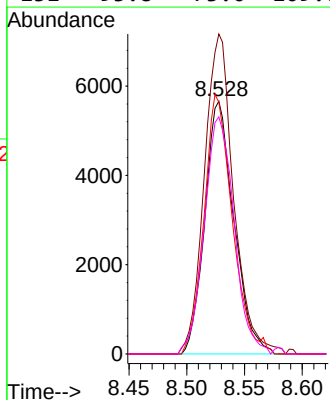
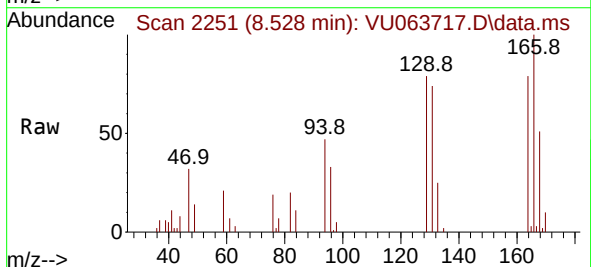
Manual Integrations
APPROVED

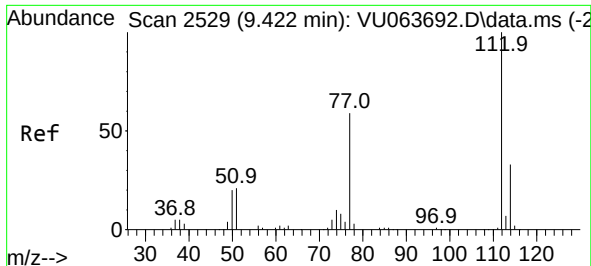
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#64
Tetrachloroethene
Concen: 5.268 ug/l
RT: 8.528 min Scan# 2251
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

Tgt Ion:164 Resp: 9932
Ion Ratio Lower Upper
164 100
166 126.5 102.5 153.7
129 99.6 77.1 115.7
131 93.8 73.0 109.6





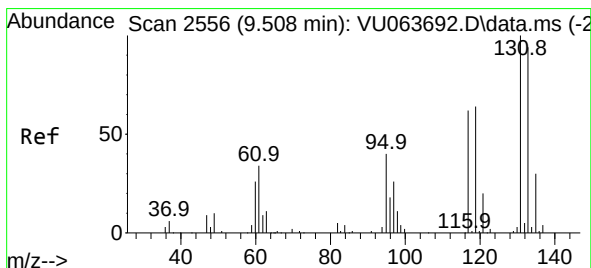
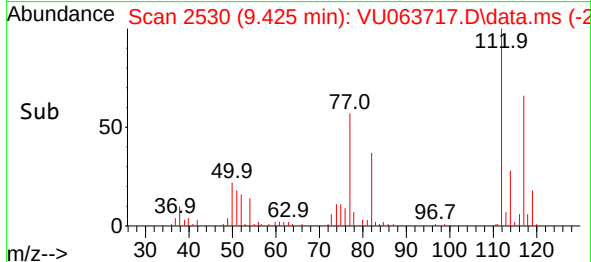
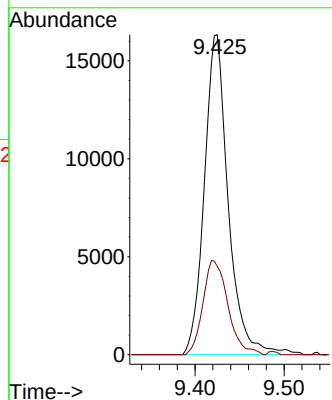
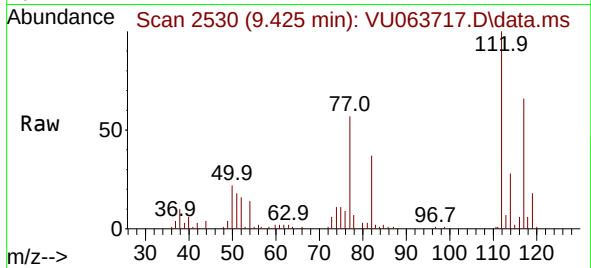
#65
Chlorobenzene
Concen: 5.292 ug/l
RT: 9.425 min Scan# 2529
Delta R.T. 0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

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

Tgt Ion:112 Resp: 3022
Ion Ratio Lower Upper
112 100
114 27.7 26.2 39.2

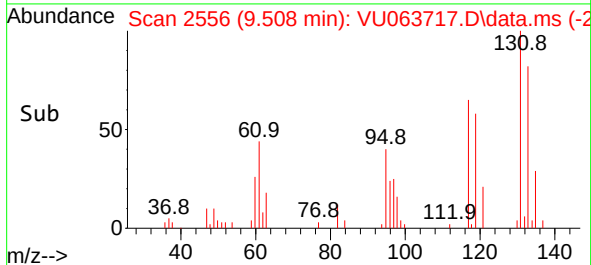
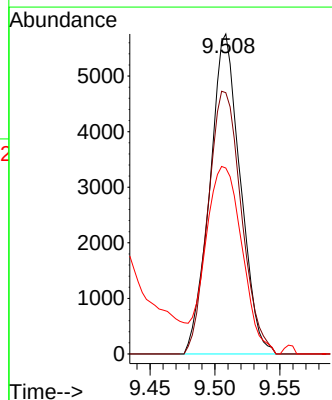
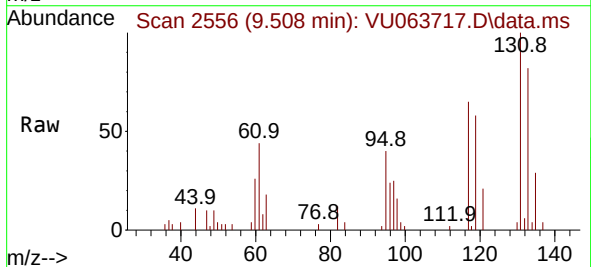
Manual Integrations
APPROVED

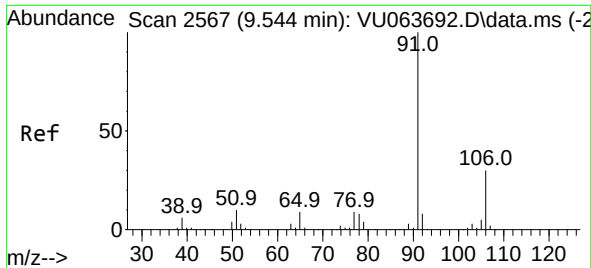
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 4.835 ug/l
RT: 9.508 min Scan# 2556
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

Tgt Ion:131 Resp: 9391
Ion Ratio Lower Upper
131 100
133 89.5 47.5 142.5
119 70.3 33.3 99.8





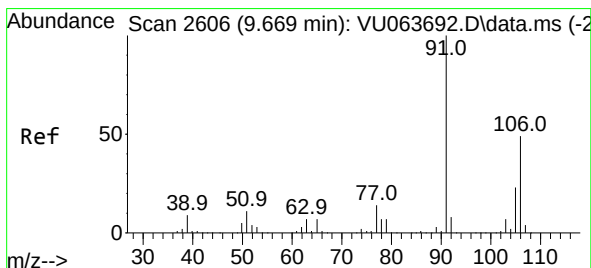
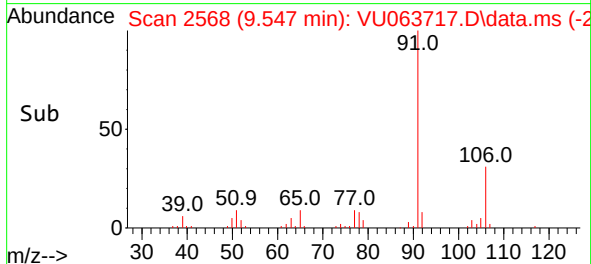
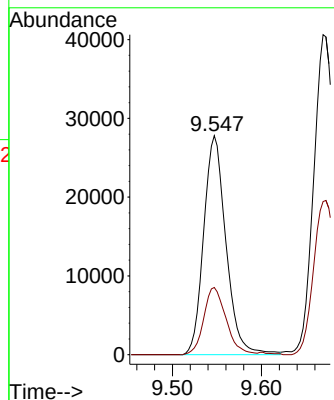
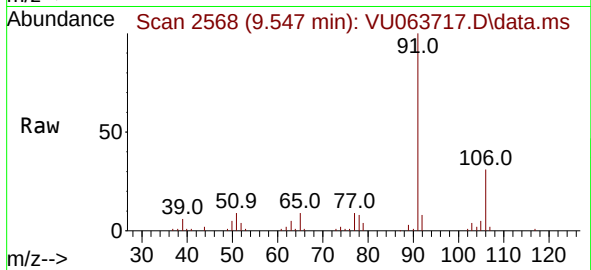
#67
Ethyl Benzene
Concen: 5.084 ug/l
RT: 9.547 min Scan# 2567
Delta R.T. 0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

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

Tgt Ion: 91 Resp: 4836
Ion Ratio Lower Upper
91 100
106 30.7 23.8 35.8

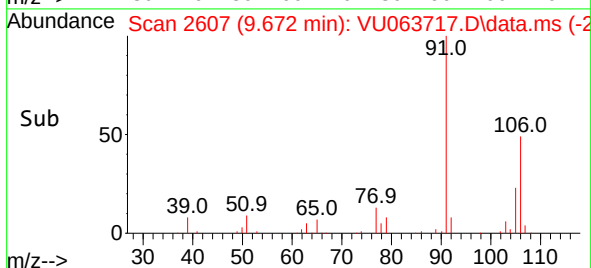
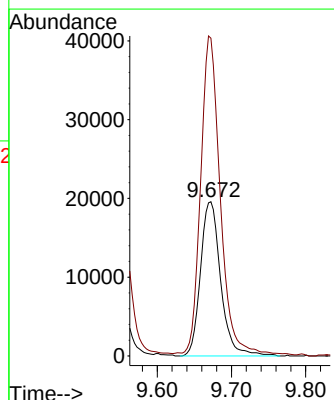
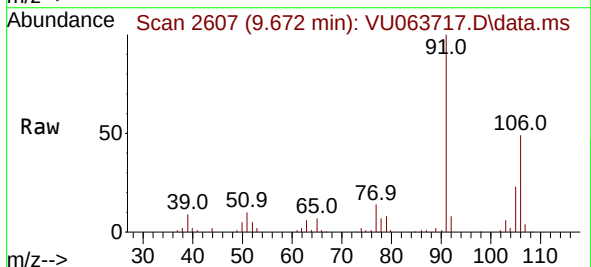
Manual Integrations
APPROVED

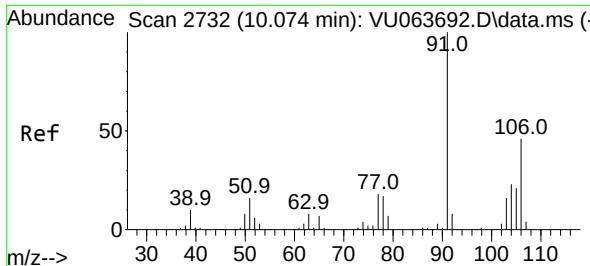
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#68
m/p-Xylenes
Concen: 10.535 ug/l
RT: 9.672 min Scan# 2607
Delta R.T. 0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

Tgt Ion:106 Resp: 36986
Ion Ratio Lower Upper
106 100
91 201.9 165.7 248.5





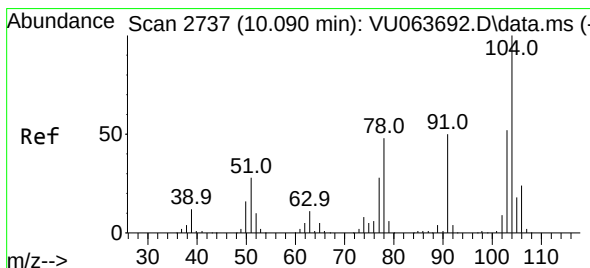
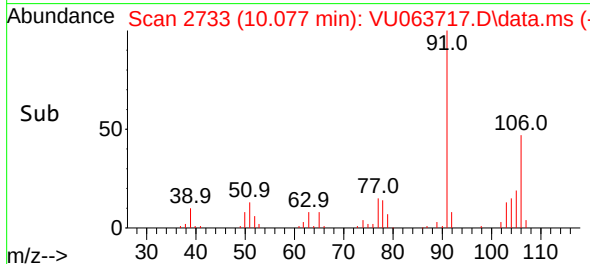
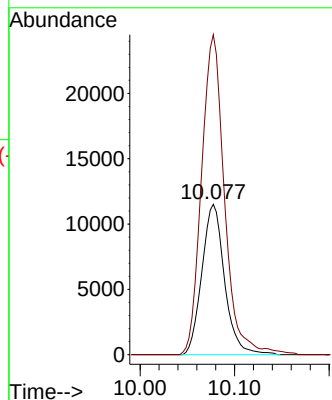
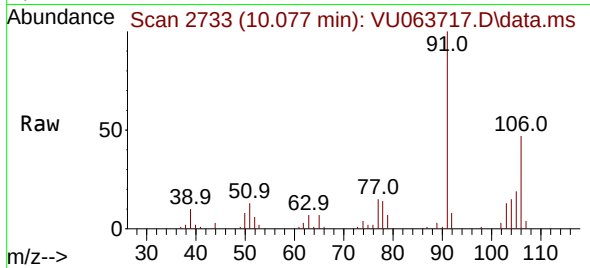
#69
o-Xylene
Concen: 5.305 ug/l
RT: 10.077 min Scan# 2732
Delta R.T. 0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

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

Tgt Ion:106 Resp: 1922
Ion Ratio Lower Upper
106 100
91 215.5 108.7 325.9

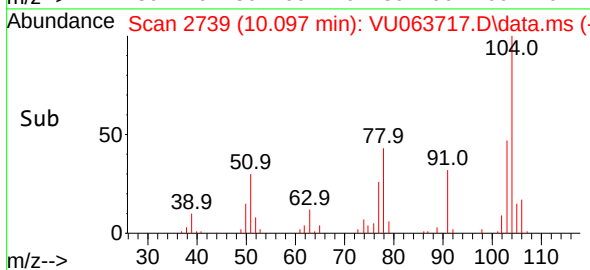
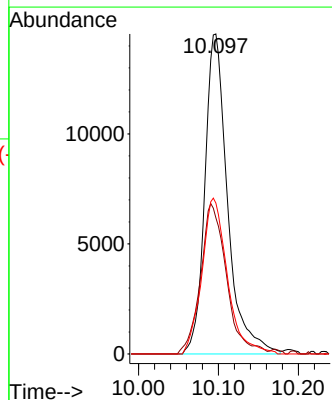
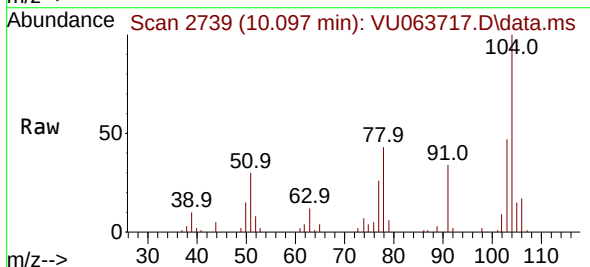
Manual Integrations
APPROVED

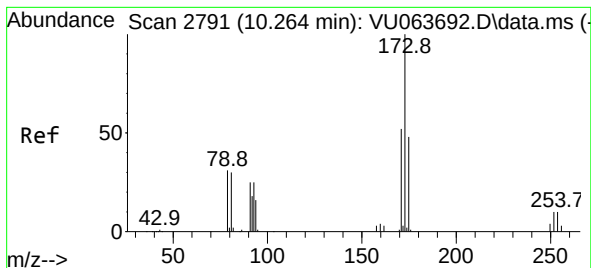
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#70
Styrene
Concen: 4.957 ug/l
RT: 10.097 min Scan# 2739
Delta R.T. 0.006 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

Tgt Ion:104 Resp: 28845
Ion Ratio Lower Upper
104 100
78 53.4 42.7 64.1
103 54.7 44.0 66.0





#71

Bromoform

Concen: 4.169 ug/l

RT: 10.267 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

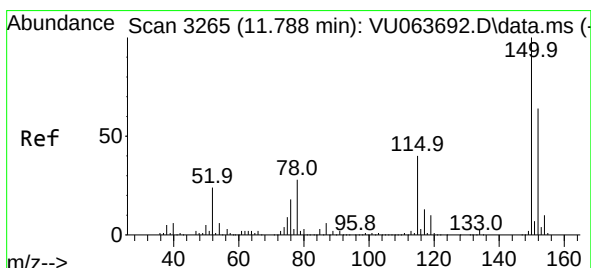
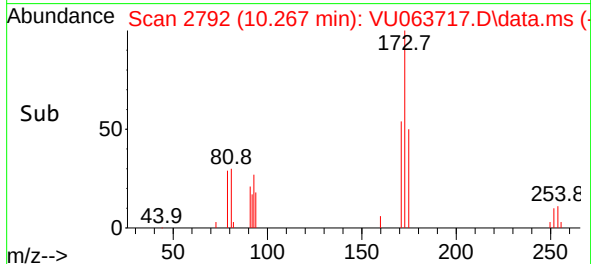
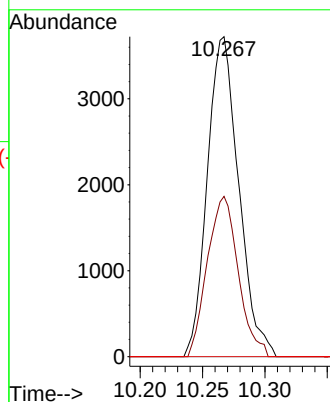
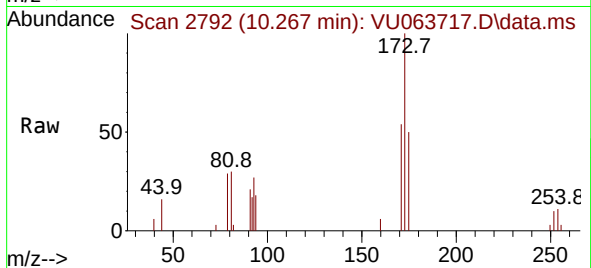
Tgt Ion:173	Resp:	6520
Ion Ratio	Lower	Upper
173	100	
175	49.4	24.1 72.2
254	0.0	0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

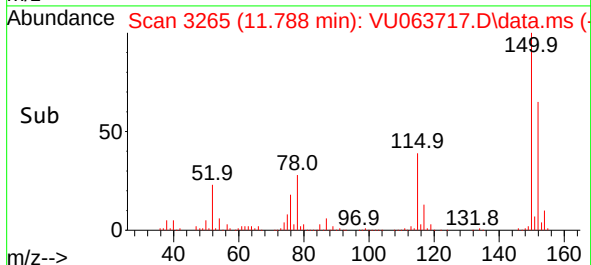
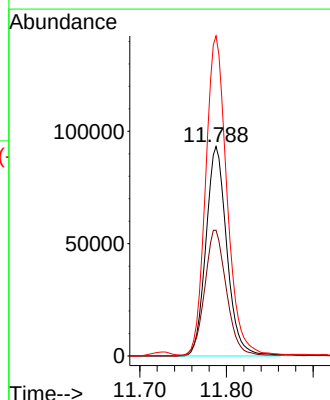
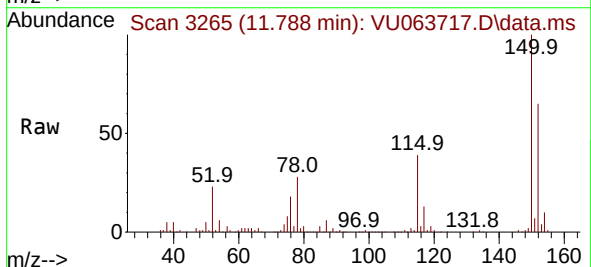
RT: 11.788 min Scan# 3265

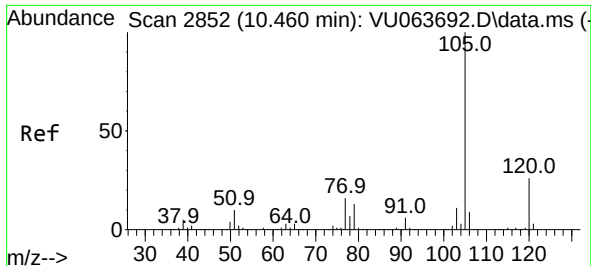
Delta R.T. -0.000 min

Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

Tgt Ion:152	Resp:	156667
Ion Ratio	Lower	Upper
152	100	
115	62.8	41.0 123.0
150	154.6	0.0 342.2





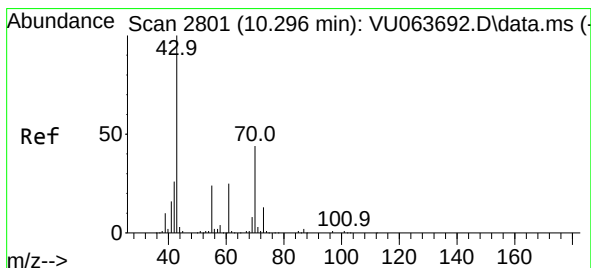
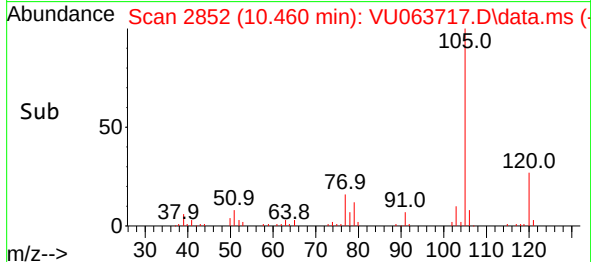
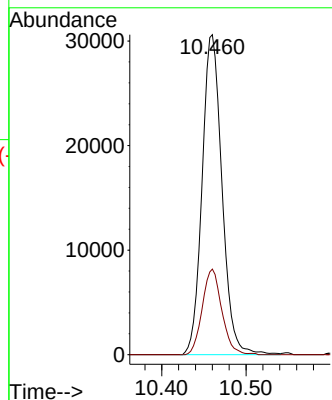
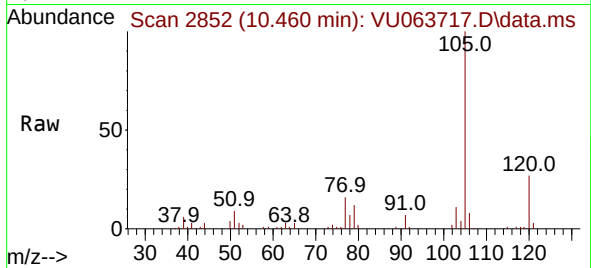
#73
Isopropylbenzene
Concen: 5.121 ug/l
RT: 10.460 min Scan# 2852
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

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

Tgt Ion:105 Resp: 5040
Ion Ratio Lower Upper
105 100
120 26.1 13.0 38.9

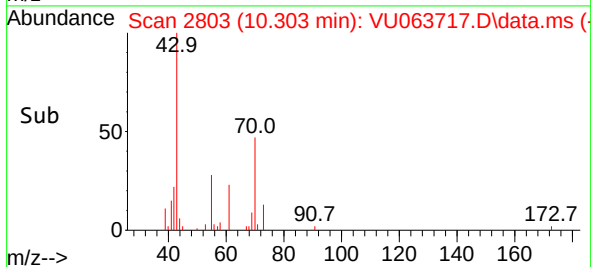
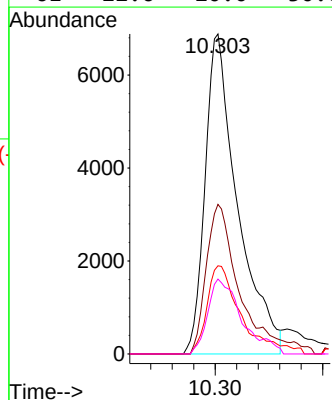
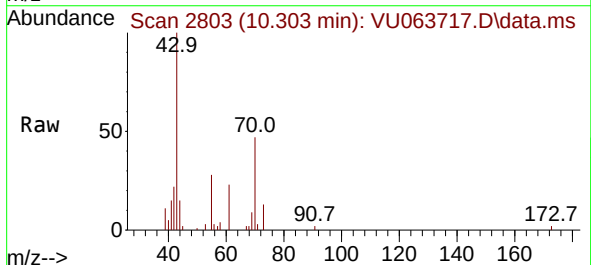
Manual Integrations
APPROVED

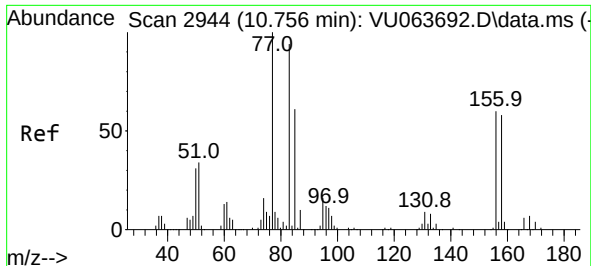
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#74
N-ethyl acetate
Concen: 4.211 ug/l
RT: 10.303 min Scan# 2803
Delta R.T. 0.006 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

Tgt Ion: 43 Resp: 14441
Ion Ratio Lower Upper
43 100
70 48.7 36.5 54.7
55 28.9 20.6 30.8
61 22.6 20.0 30.0





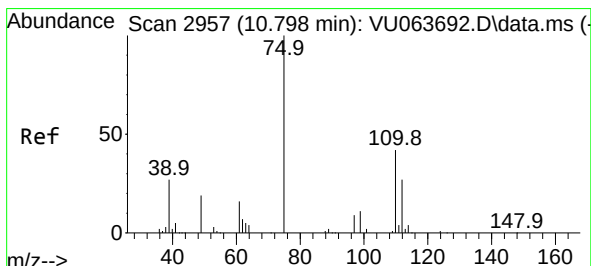
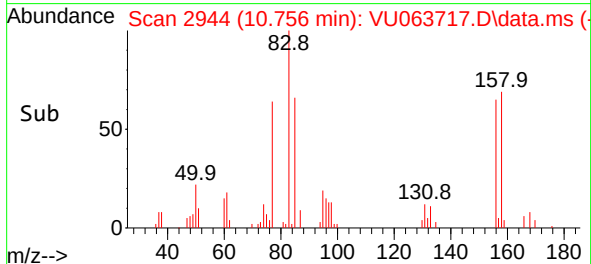
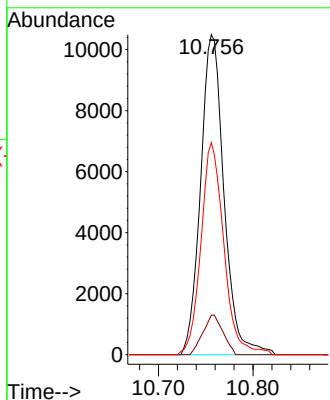
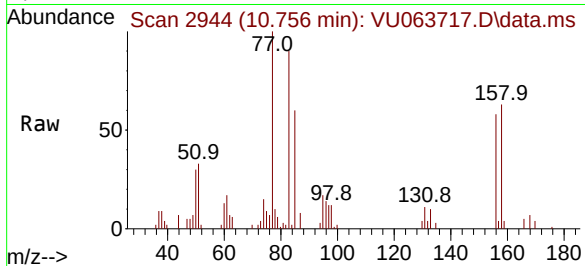
#75
 1,1,2,2-Tetrachloroethane
 Concen: 4.780 ug/l
 RT: 10.756 min Scan# 2944
 Delta R.T. -0.000 min
 Lab File: VU063717.D
 Acq: 12 Nov 2025 14:05

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

Tgt Ion: 83 Resp: 1806
 Ion Ratio Lower Upper
 83 100
 131 10.5 4.8 14.4
 85 64.7 31.9 95.7

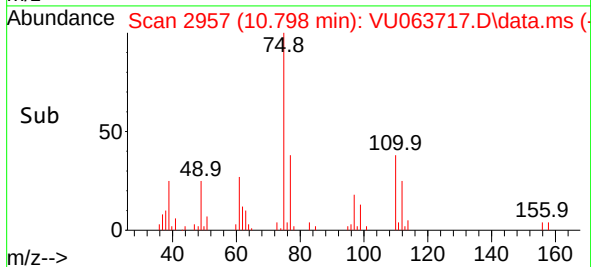
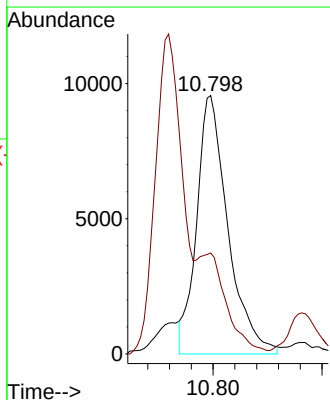
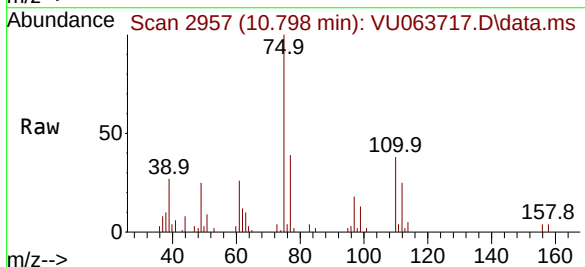
Manual Integrations
 APPROVED

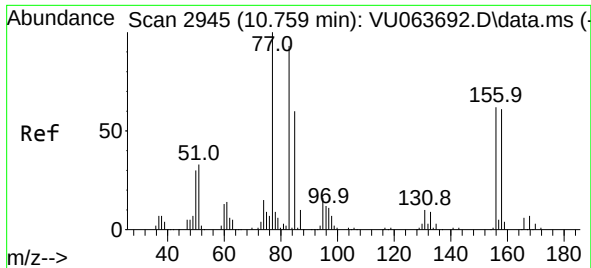
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#76
 1,2,3-Trichloropropane
 Concen: 4.824 ug/l m
 RT: 10.798 min Scan# 2957
 Delta R.T. -0.000 min
 Lab File: VU063717.D
 Acq: 12 Nov 2025 14:05

Tgt Ion: 75 Resp: 19046
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





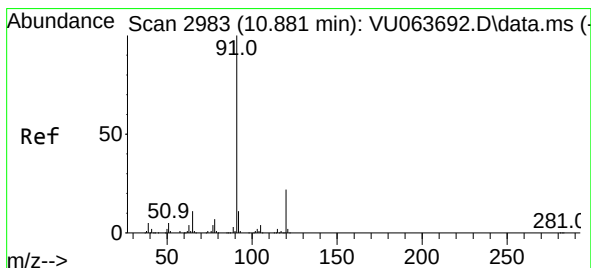
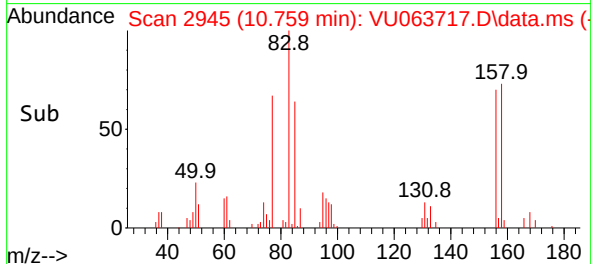
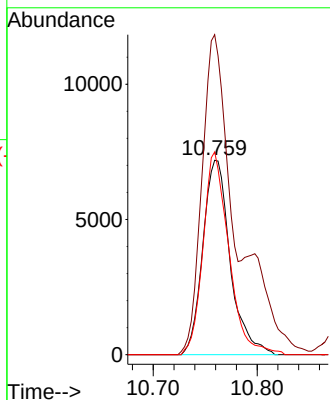
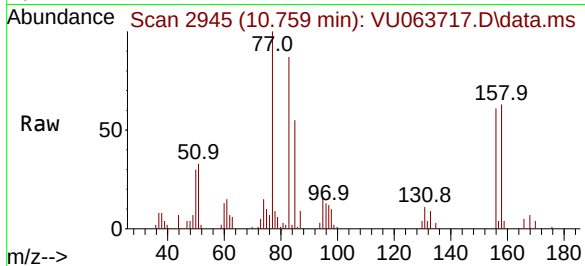
#77
Bromobenzene
Concen: 5.313 ug/l
RT: 10.759 min Scan# 2945
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

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

Tgt Ion:156 Resp: 1315
Ion Ratio Lower Upper
156 100
77 159.2 81.4 244.2
158 98.4 48.8 146.3

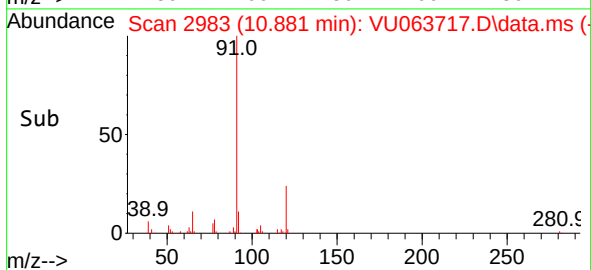
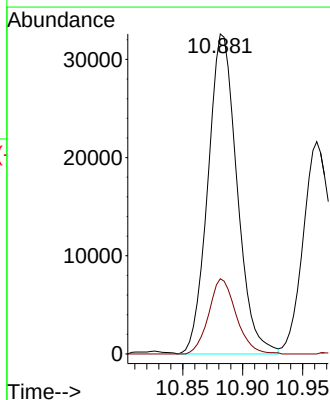
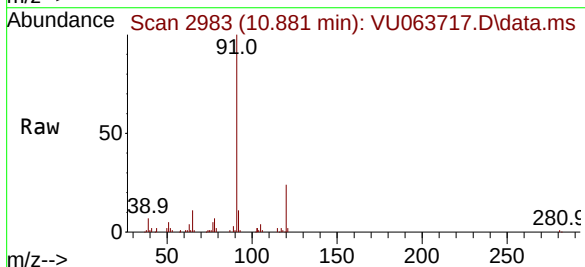
Manual Integrations
APPROVED

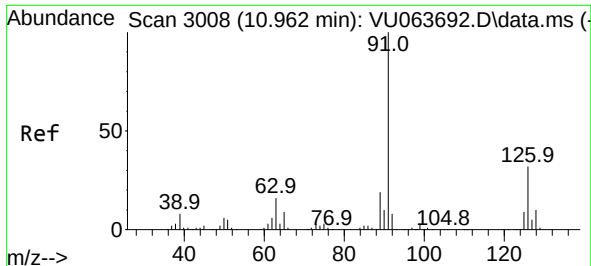
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#78
n-propylbenzene
Concen: 4.872 ug/l
RT: 10.881 min Scan# 2983
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

Tgt Ion: 91 Resp: 55014
Ion Ratio Lower Upper
91 100
120 22.1 11.2 33.6





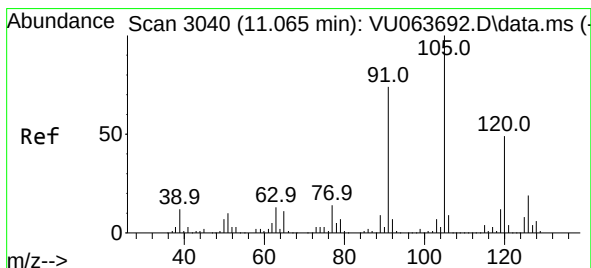
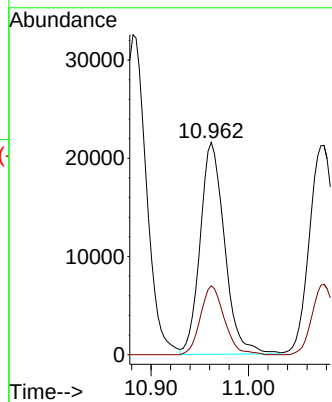
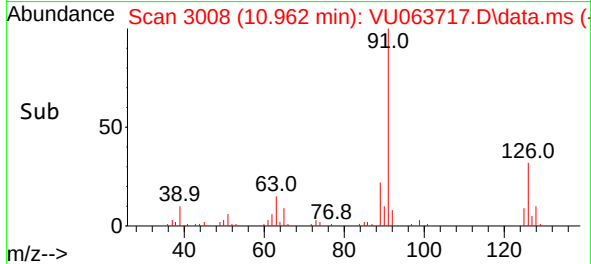
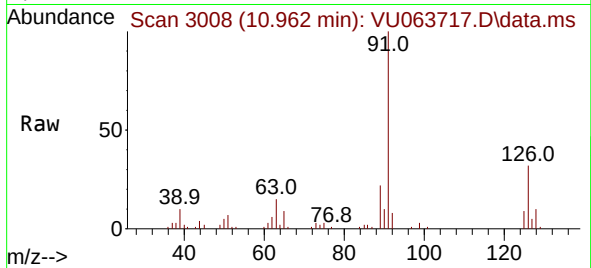
#79
2-Chlorotoluene
Concen: 5.151 ug/l
RT: 10.962 min Scan# 3008
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

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

Tgt Ion: 91 Resp: 3759
Ion Ratio Lower Upper
91 100
126 31.7 16.4 49.1

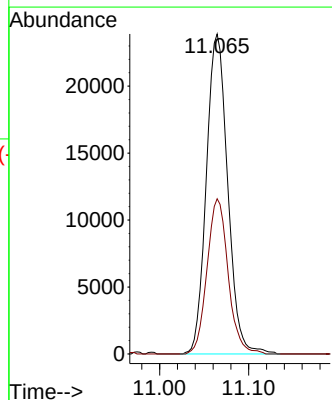
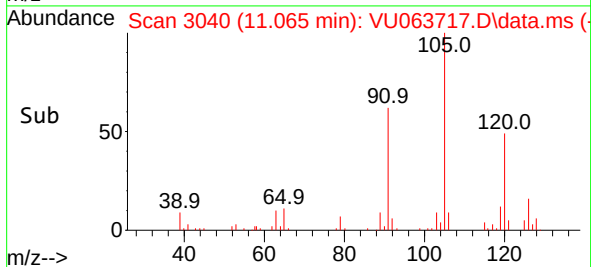
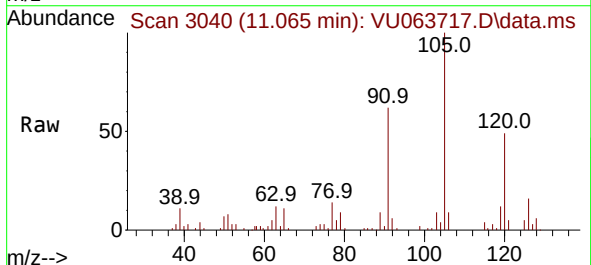
Manual Integrations
APPROVED

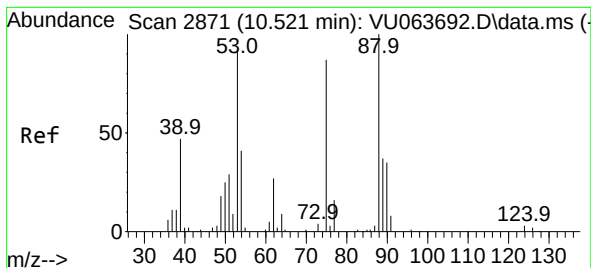
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#80
1,3,5-Trimethylbenzene
Concen: 4.817 ug/l
RT: 11.065 min Scan# 3040
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

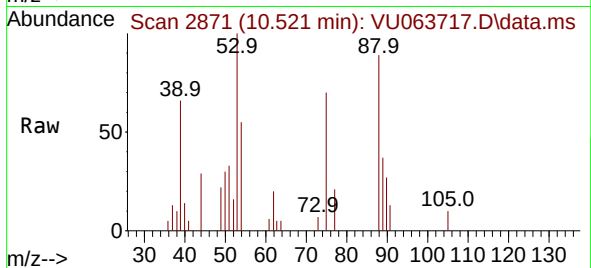
Tgt Ion:105 Resp: 39752
Ion Ratio Lower Upper
105 100
120 48.0 24.1 72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 3.811 ug/l
RT: 10.521 min Scan# 2871
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

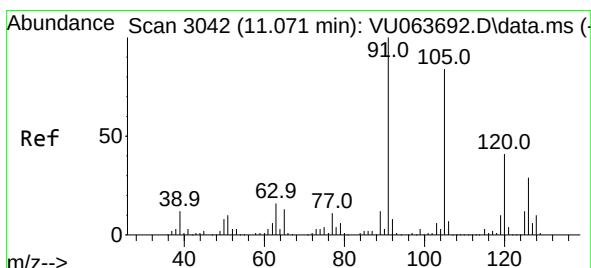
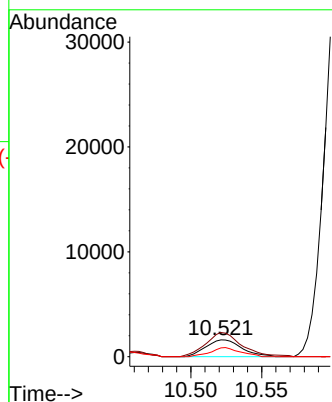
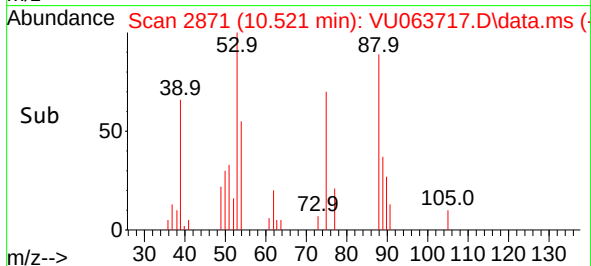
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025



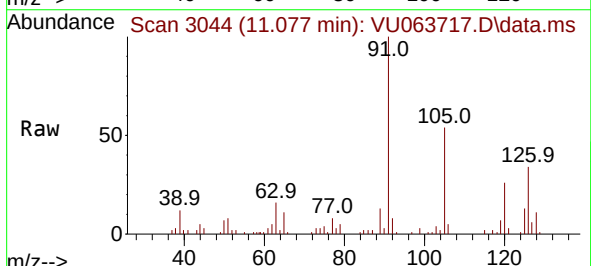
Tgt Ion: 75 Resp: 2824
Ion Ratio Lower Upper
75 100
53 143.6 86.5 129.7
89 44.7 35.2 52.8

Manual Integrations
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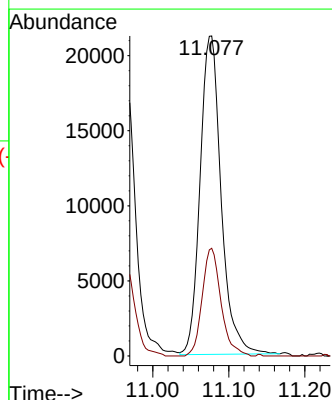
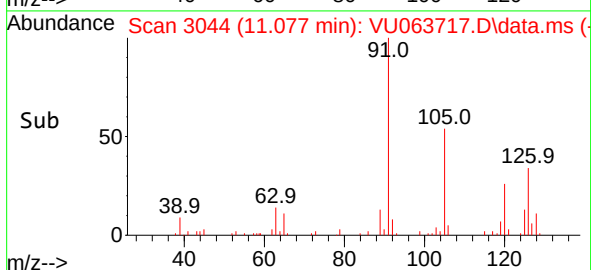
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

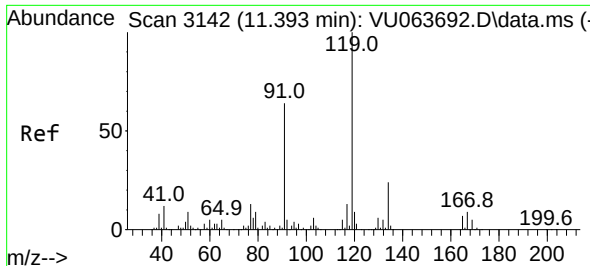


#82
4-Chlorotoluene
Concen: 4.919 ug/l
RT: 11.077 min Scan# 3044
Delta R.T. 0.006 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05



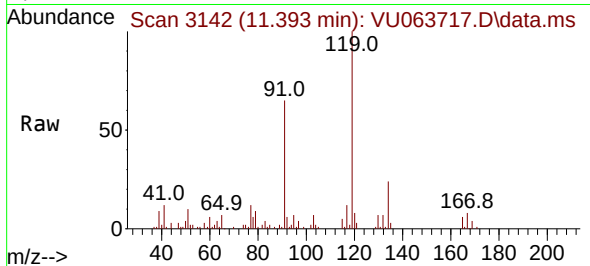
Tgt Ion: 91 Resp: 40794
Ion Ratio Lower Upper
91 100
126 30.2 14.2 42.8





#83
tert-Butylbenzene
Concen: 4.897 ug/l
RT: 11.393 min Scan# 3142
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

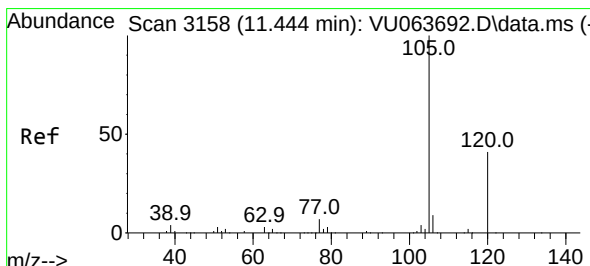
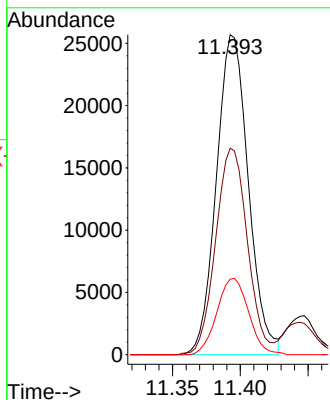
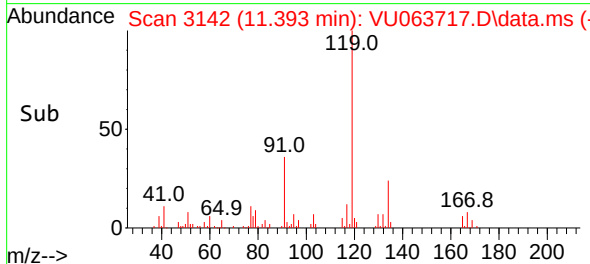
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



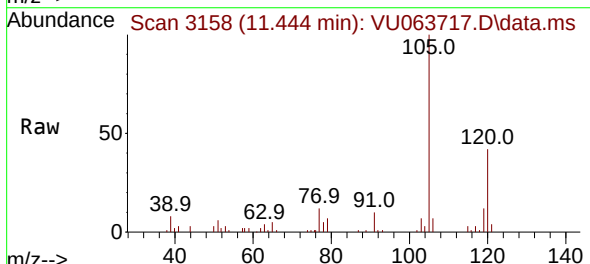
Tgt Ion:119 Resp: 42090
Ion Ratio Lower Upper
119 100
91 64.3 30.8 92.3
134 23.6 11.9 35.5

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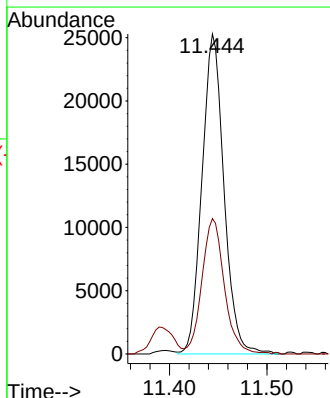
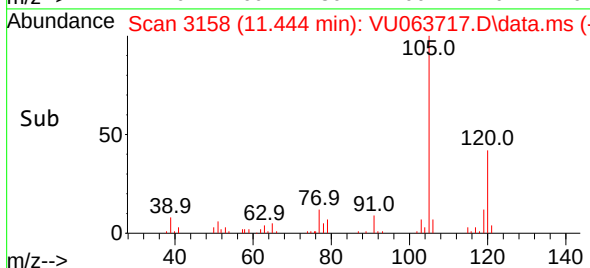
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

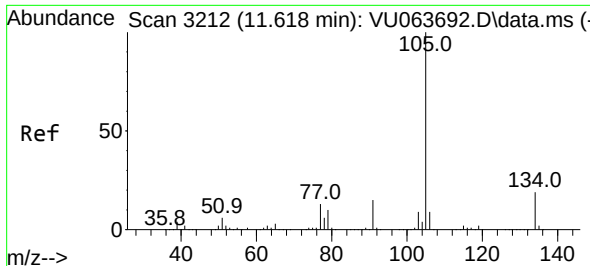


#84
1,2,4-Trimethylbenzene
Concen: 4.904 ug/l
RT: 11.444 min Scan# 3158
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05



Tgt Ion:105 Resp: 39718
Ion Ratio Lower Upper
105 100
120 43.0 22.4 67.3





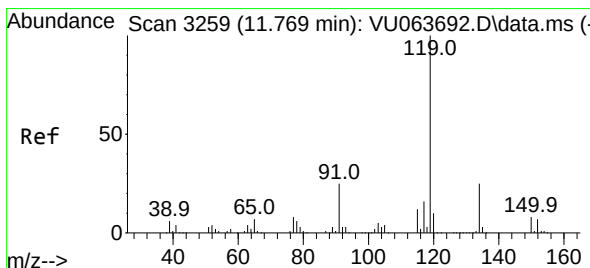
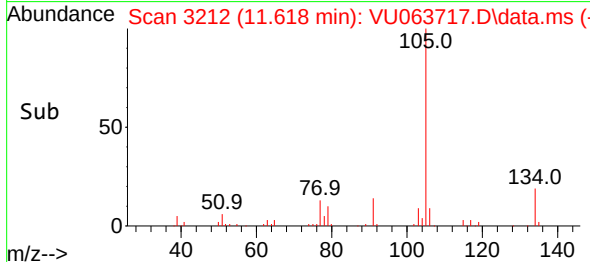
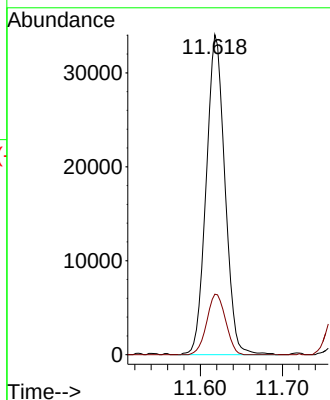
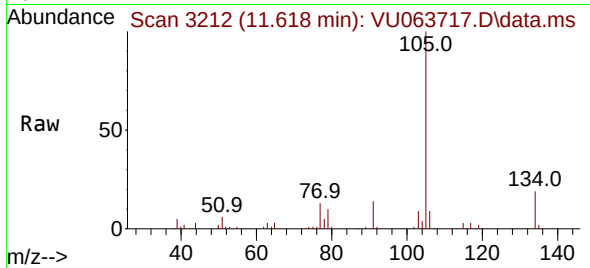
#85
 sec-Butylbenzene
 Concen: 4.961 ug/l
 RT: 11.618 min Scan# 3212
 Delta R.T. -0.000 min
 Lab File: VU063717.D
 Acq: 12 Nov 2025 14:05

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

Tgt Ion:105 Resp: 53874
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.8 29.4

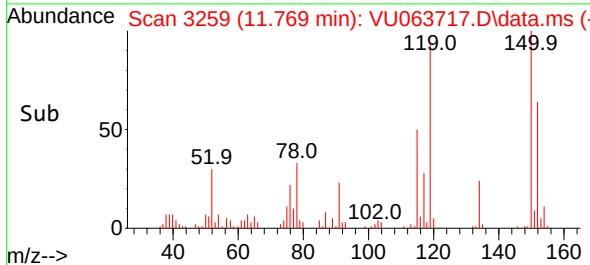
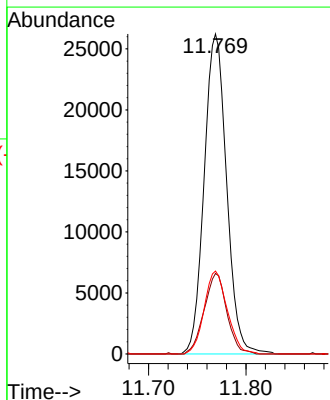
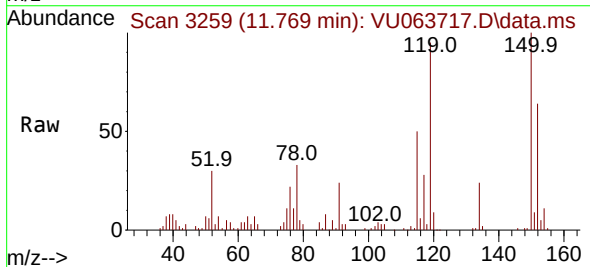
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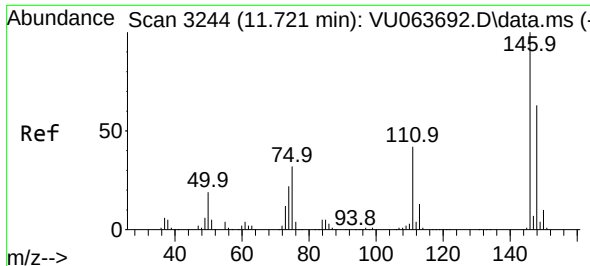
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#86
 p-Isopropyltoluene
 Concen: 4.809 ug/l
 RT: 11.769 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU063717.D
 Acq: 12 Nov 2025 14:05

Tgt Ion:119 Resp: 41922
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.6 37.6
 91 26.6 12.6 37.8





#87

1,3-Dichlorobenzene

Concen: 5.327 ug/l

RT: 11.724 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

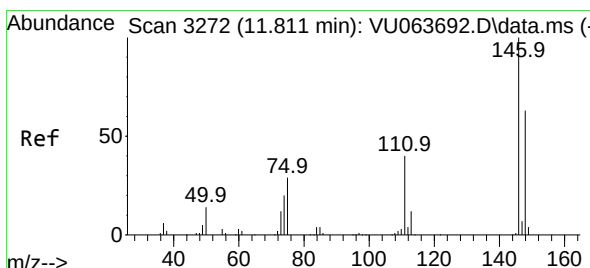
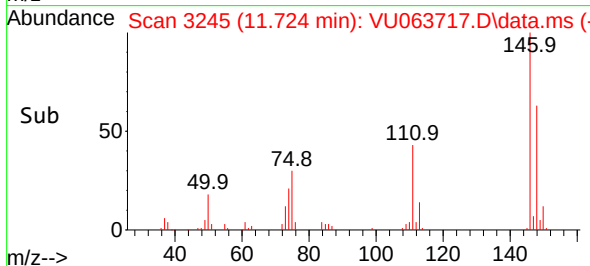
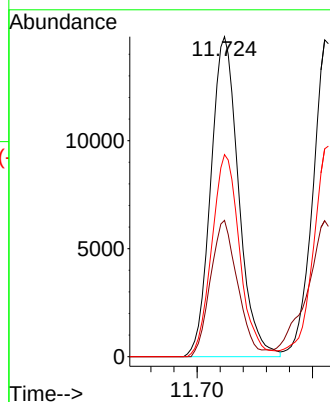
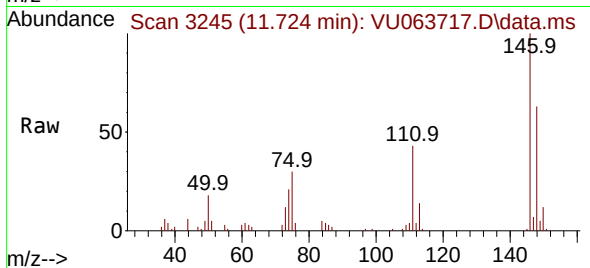
Tgt Ion:146 Resp: 24784
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.6 61.8
 148 63.5 31.8 95.4

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#88

1,4-Dichlorobenzene

Concen: 5.371 ug/l

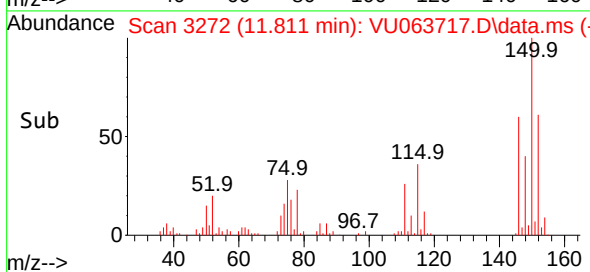
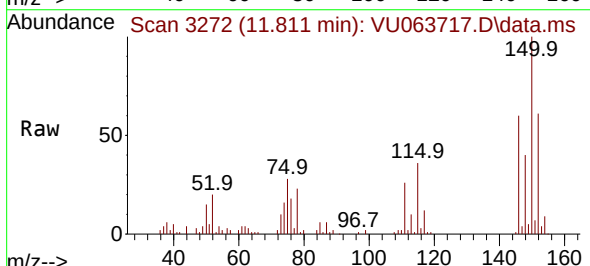
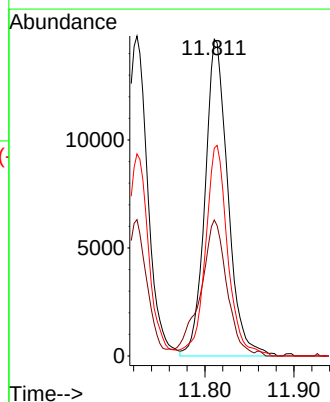
RT: 11.811 min Scan# 3272

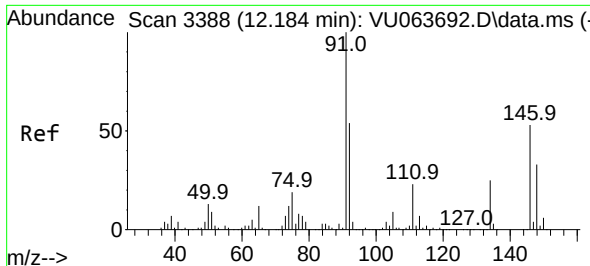
Delta R.T. -0.000 min

Lab File: VU063717.D

Acq: 12 Nov 2025 14:05

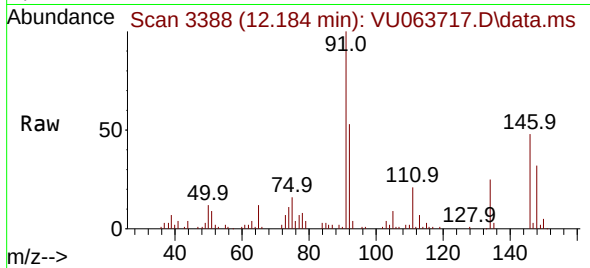
Tgt Ion:146 Resp: 26146
 Ion Ratio Lower Upper
 146 100
 111 47.4 20.4 61.3
 148 65.1 31.4 94.3





#89
n-Butylbenzene
Concen: 4.718 ug/l
RT: 12.184 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

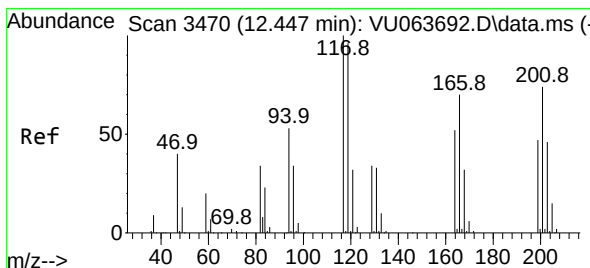
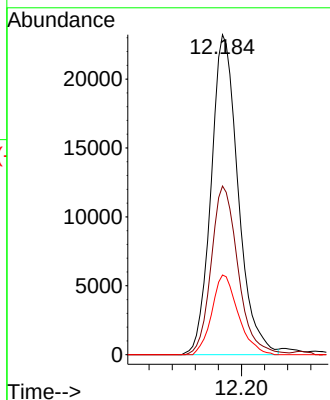
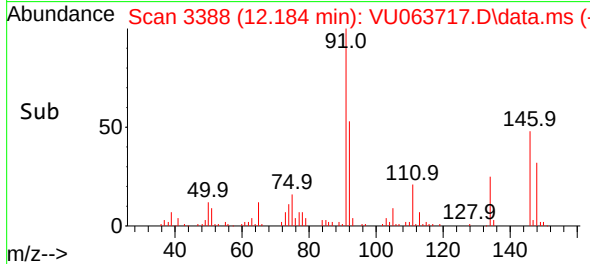
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 91 Resp: 37774
Ion Ratio Lower Upper
91 100
92 52.3 27.0 81.0
134 24.3 12.4 37.4

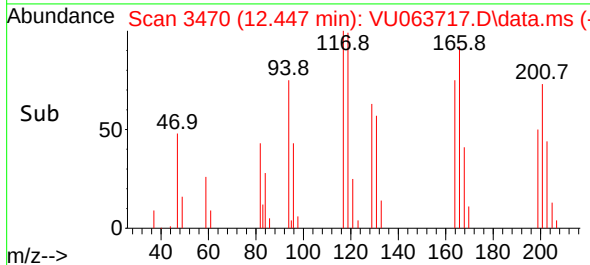
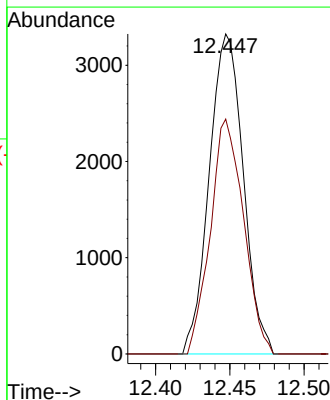
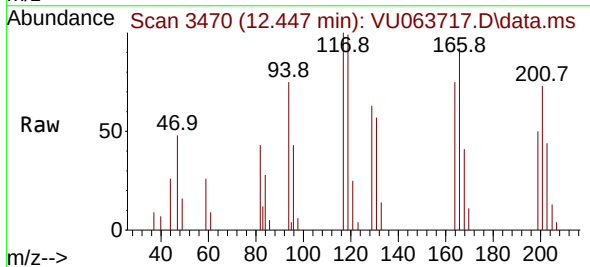
Manual Integrations
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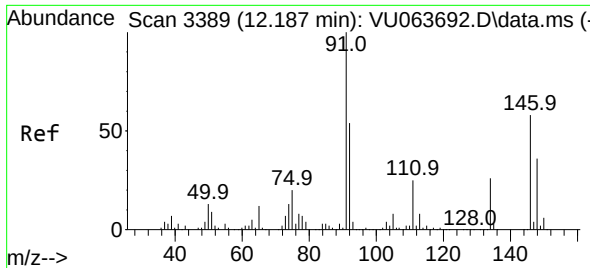
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#90
Hexachloroethane
Concen: 3.984 ug/l
RT: 12.447 min Scan# 3470
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

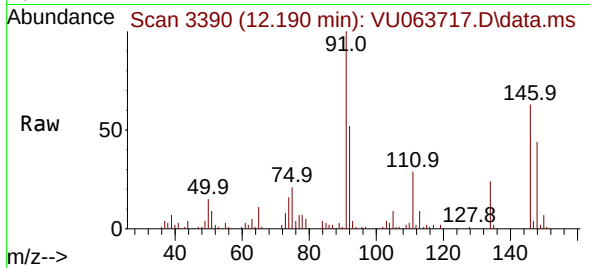
Tgt Ion:117 Resp: 5299
Ion Ratio Lower Upper
117 100
201 71.6 36.6 109.8





#91
1,2-Dichlorobenzene
Concen: 4.994 ug/l
RT: 12.190 min Scan# 3389
Delta R.T. 0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

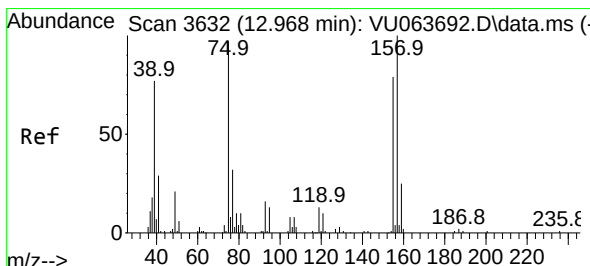
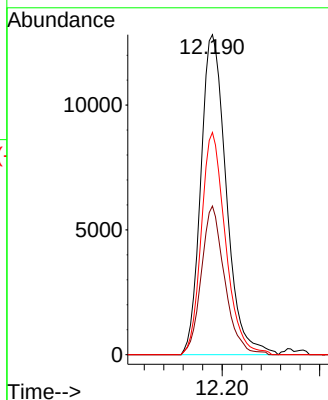
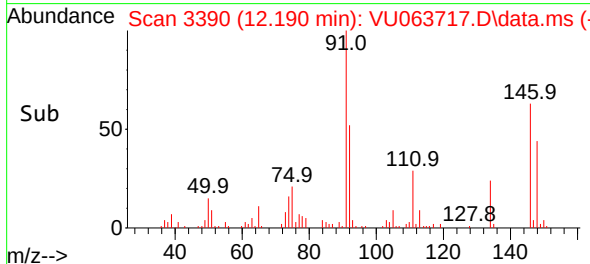
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



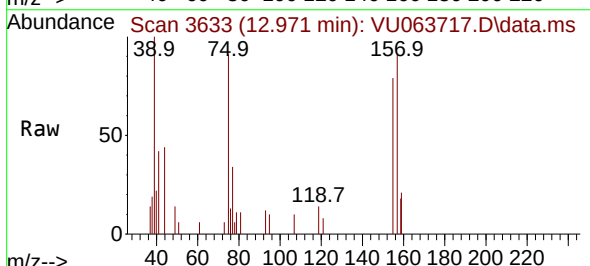
Tgt Ion:146 Resp: 2320
Ion Ratio Lower Upper
146 100
111 42.8 21.8 65.3
148 66.3 31.6 94.7

Manual Integrations
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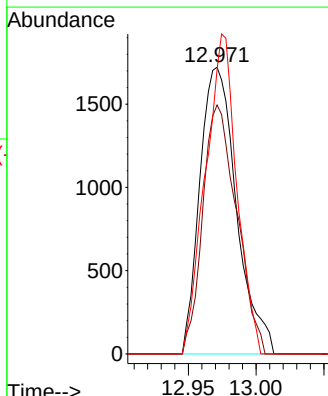
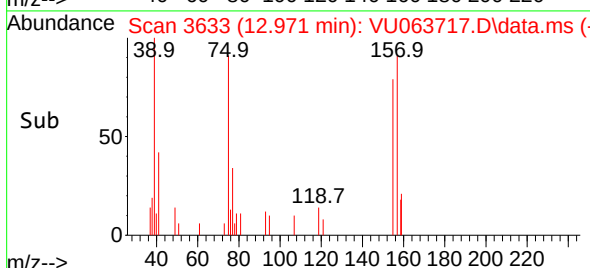
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

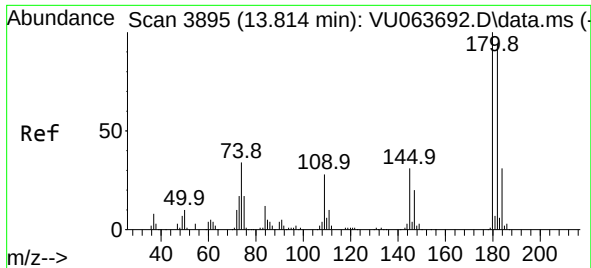


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.179 ug/l
RT: 12.971 min Scan# 3633
Delta R.T. 0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05



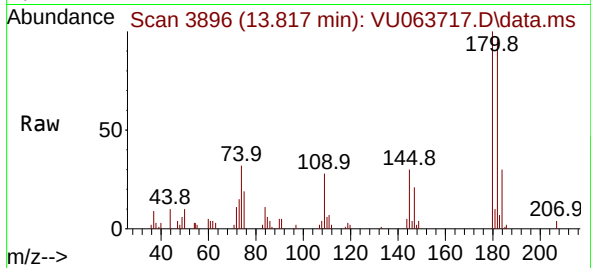
Tgt Ion: 75 Resp: 3237
Ion Ratio Lower Upper
75 100
155 80.7 40.5 121.4
157 95.8 50.4 151.3





#93
1,2,4-Trichlorobenzene
Concen: 4.545 ug/l
RT: 13.817 min Scan# 3895
Delta R.T. 0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

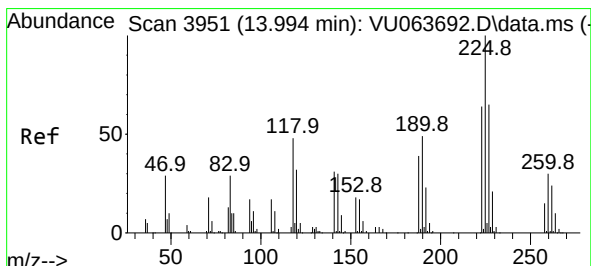
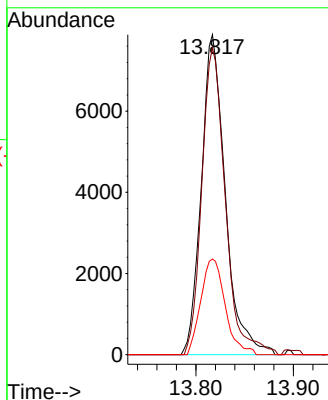
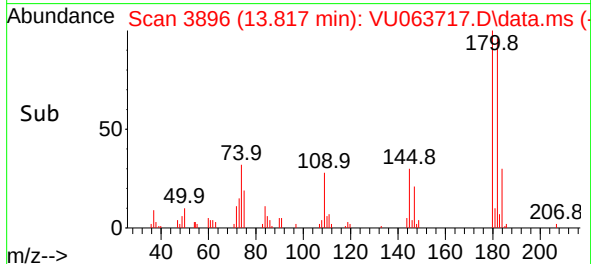
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:180 Resp: 13459
Ion Ratio Lower Upper
180 100
182 94.0 47.6 142.9
145 30.5 15.9 47.6

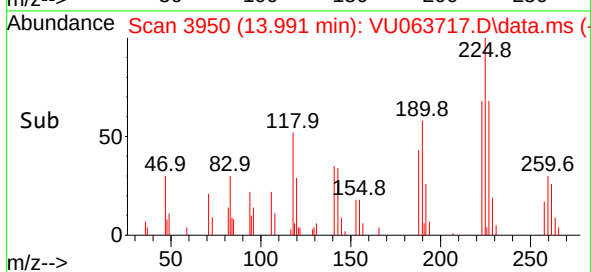
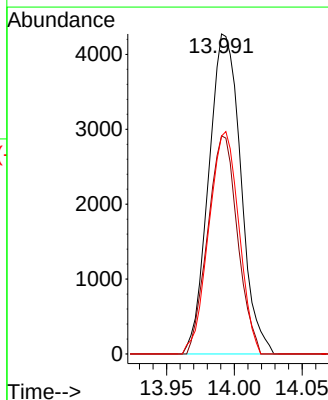
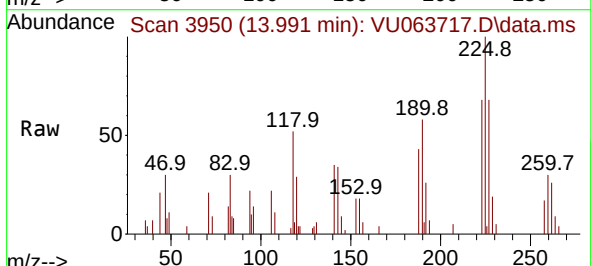
Manual Integrations
APPROVED

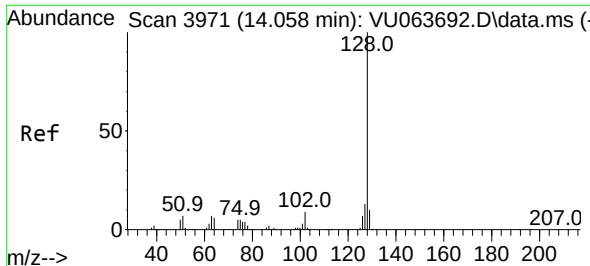
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#94
Hexachlorobutadiene
Concen: 4.710 ug/l
RT: 13.991 min Scan# 3950
Delta R.T. -0.003 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

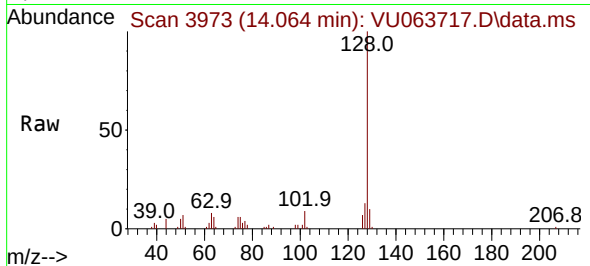
Tgt Ion:225 Resp: 7029
Ion Ratio Lower Upper
225 100
223 63.2 31.6 94.8
227 65.0 32.4 97.0





#95
Naphthalene
Concen: 4.453 ug/l
RT: 14.064 min Scan# 3971
Delta R.T. 0.006 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

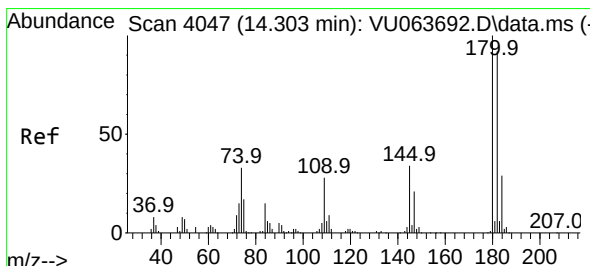
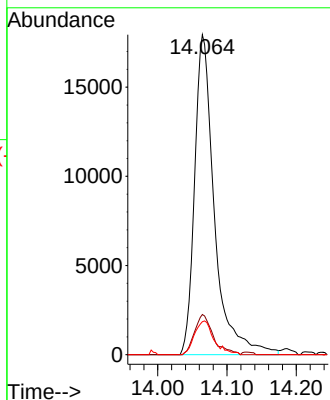
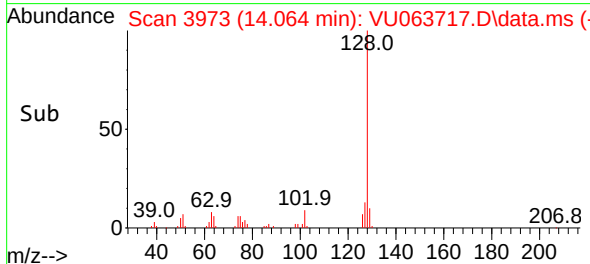
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:128 Resp: 3572
Ion Ratio Lower Upper
128 100
127 11.9 9.9 14.9
129 10.4 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.854 ug/l
RT: 14.302 min Scan# 4047
Delta R.T. -0.000 min
Lab File: VU063717.D
Acq: 12 Nov 2025 14:05

Tgt Ion:180 Resp: 13364
Ion Ratio Lower Upper
180 100
182 89.7 47.3 142.0
145 31.0 16.6 49.7

