

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
 Data File : VU063714.D
 Acq On : 12 Nov 2025 12:41
 Operator : MD/SY
 Sample : Q3530-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Nov 14 05:00:53 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	189202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	316778	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	295198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	151244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.672	65	136928	48.991	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.980%		
35) Dibromofluoromethane	5.258	113	103891	46.825	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.640%		
50) Toluene-d8	7.872	98	363086	45.552	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.100%#		
62) 4-Bromofluorobenzene	10.608	95	152071	46.121	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.370	85	590	0.516	ug/l	89
3) Chloromethane	1.509	50	882	0.664	ug/l	90
4) Vinyl Chloride	1.589	62	939	0.668	ug/l	96
5) Bromomethane	1.840	94	1258	1.275	ug/l	84
6) Chloroethane	1.914	64	977	0.919	ug/l	94
7) Trichlorofluoromethane	2.120	101	1431	0.532	ug/l	92
8) Diethyl Ether	2.354	74	652	0.570	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	2.560	101	959	0.561	ug/l	96
10) Methyl Iodide	2.695	142	982	0.577	ug/l #	89
11) Tert butyl alcohol	3.164	59	2450m	3.757	ug/l	
12) 1,1-Dichloroethene	2.554	96	1072	0.729	ug/l #	66
13) Acrolein	2.464	56	334	6.406	ug/l	96
14) Allyl chloride	2.898	41	1725	0.629	ug/l	92
15) Acrylonitrile	3.338	53	3213m	2.406	ug/l	
16) Acetone	2.608	43	6563	3.590	ug/l	99
17) Carbon Disulfide	2.766	76	1744	0.806	ug/l	96
18) Methyl Acetate	2.949	43	1747m	0.403	ug/l	
19) Methyl tert-butyl Ether	3.338	73	3224	0.486	ug/l #	77
20) Methylene Chloride	3.020	84	2156	1.035	ug/l #	91
21) trans-1,2-Dichloroethene	3.332	96	978	0.648	ug/l #	61
22) Diisopropyl ether	3.968	45	2912m	0.482	ug/l	
23) Vinyl Acetate	3.968	43	11035m	2.678	ug/l	
24) 1,1-Dichloroethane	3.840	63	1853	0.532	ug/l #	81
25) 2-Butanone	4.734	43	8232m	4.278	ug/l	
26) 2,2-Dichloropropane	4.631	77	1619m	0.541	ug/l	
27) cis-1,2-Dichloroethene	4.650	96	1355m	0.614	ug/l	
28) Bromochloromethane	4.949	49	768m	0.551	ug/l	
29) Tetrahydrofuran	5.042	42	3256m	2.908	ug/l	
30) Chloroform	5.062	83	2381	0.624	ug/l	95
31) Cyclohexane	5.341	56	5500	2.235	ug/l #	46
32) 1,1,1-Trichloroethane	5.293	97	1703	0.544	ug/l #	51
36) 1,1-Dichloropropene	5.508	75	1856	0.822	ug/l #	79
37) Ethyl Acetate	4.734	43	8231m	2.574	ug/l	
38) Carbon Tetrachloride	5.496	117	1196	0.490	ug/l	91
39) Methylcyclohexane	6.730	83	1224	0.477	ug/l #	80
40) Benzene	5.753	78	4151	0.570	ug/l #	86

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.994	41	401	0.241	ug/l #	44
42) 1,2-Dichloroethane	5.769	62	1577m	0.549	ug/l	
43) Isopropyl Acetate	5.891	43	2393m	0.511	ug/l	
44) Trichloroethene	6.528	130	1341	0.656	ug/l	98
45) 1,2-Dichloropropane	6.775	63	1098m	0.554	ug/l	
46) Dibromomethane	6.894	93	808	0.543	ug/l	98
47) Bromodichloromethane	7.081	83	1421	0.471	ug/l #	76
48) Methyl methacrylate	6.955	41	947m	0.412	ug/l	
49) 1,4-Dioxane	6.965	88	333m	5.464	ug/l	
51) 4-Methyl-2-Pentanone	7.775	43	10066	2.807	ug/l	95
52) Toluene	7.949	92	2918	0.617	ug/l	98
53) t-1,3-Dichloropropene	8.193	75	1196	0.471	ug/l #	70
54) cis-1,3-Dichloropropene	7.592	75	1473	0.518	ug/l #	65
55) 1,1,2-Trichloroethane	8.380	97	1327	0.611	ug/l #	86
56) Ethyl methacrylate	8.322	69	1397	0.436	ug/l #	81
57) 1,3-Dichloropropane	8.550	76	1834	0.518	ug/l	96
59) 2-Hexanone	8.688	43	9040	3.384	ug/l	91
60) Dibromochloromethane	8.788	129	989	0.435	ug/l	97
61) 1,2-Dibromoethane	8.904	107	1128	0.539	ug/l	93
64) Tetrachloroethene	8.531	164	1443	0.758	ug/l	89
65) Chlorobenzene	9.421	112	3996	0.693	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.505	131	1029	0.524	ug/l #	62
67) Ethyl Benzene	9.550	91	6147	0.640	ug/l	94
68) m/p-Xylenes	9.675	106	4001	1.128	ug/l	89
69) o-Xylene	10.081	106	2200	0.601	ug/l	98
70) Styrene	10.103	104	3570	0.607	ug/l	89
71) Bromoform	10.274	173	899	0.569	ug/l #	85
73) Isopropylbenzene	10.463	105	5747	0.605	ug/l	98
74) N-amyl acetate	10.325	43	2699m	0.815	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.756	83	2159	0.592	ug/l #	92
76) 1,2,3-Trichloropropane	10.798	75	2493m	0.654	ug/l	
77) Bromobenzene	10.762	156	1680	0.703	ug/l	91
78) n-propylbenzene	10.884	91	8050	0.739	ug/l	95
79) 2-Chlorotoluene	10.965	91	4821	0.684	ug/l	83
80) 1,3,5-Trimethylbenzene	11.068	105	4840	0.607	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.528	75	133m	0.186	ug/l	
82) 4-Chlorotoluene	11.077	91	6383	0.797	ug/l	97
83) tert-Butylbenzene	11.399	119	4755	0.573	ug/l	94
84) 1,2,4-Trimethylbenzene	11.447	105	5084	0.650	ug/l	99
85) sec-Butylbenzene	11.621	105	7130	0.680	ug/l	96
86) p-Isopropyltoluene	11.769	119	6195	0.736	ug/l	91
87) 1,3-Dichlorobenzene	11.727	146	3905	0.869	ug/l	96
88) 1,4-Dichlorobenzene	11.810	146	4511m	0.960	ug/l	
89) n-Butylbenzene	12.190	91	8663	1.121	ug/l	96
90) Hexachloroethane	12.447	117	479	0.373	ug/l	74
91) 1,2-Dichlorobenzene	12.193	146	3687	0.822	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.971	75	418m	0.559	ug/l	
93) 1,2,4-Trichlorobenzene	13.820	180	4343	1.519	ug/l	92
94) Hexachlorobutadiene	13.994	225	1184	0.822	ug/l	95
95) Naphthalene	14.071	128	16958	2.190	ug/l	98
96) 1,2,3-Trichlorobenzene	14.302	180	4231	1.592	ug/l	95

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ClientSampleId :
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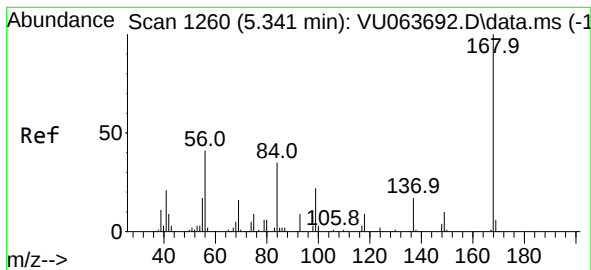
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 11/14/2025

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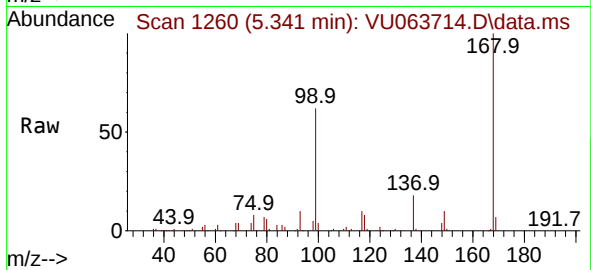
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#)=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
Lab File: VU063714.D
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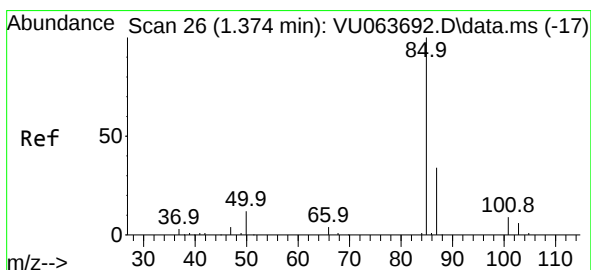
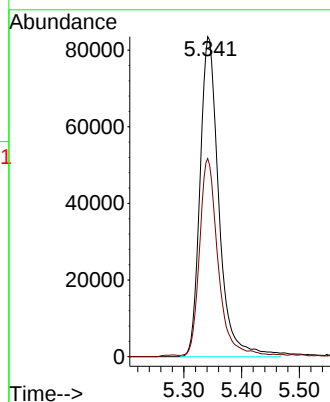
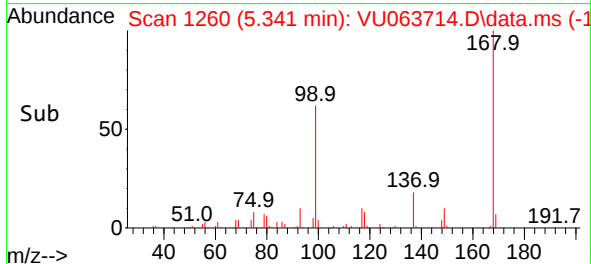
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:168 Resp: 18920
Ion Ratio Lower Upper
168 100
99 61.5 48.2 72.4

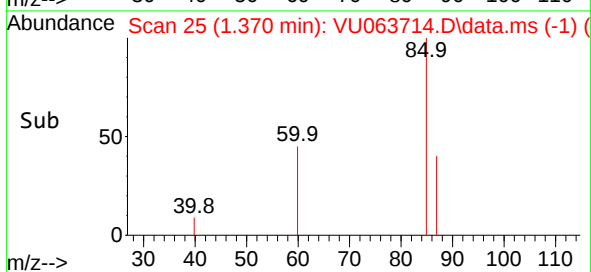
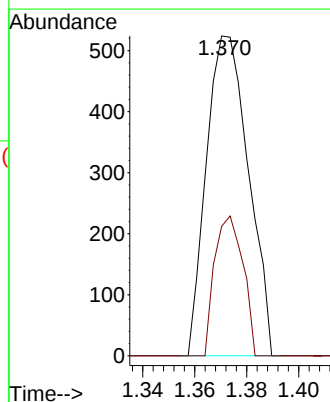
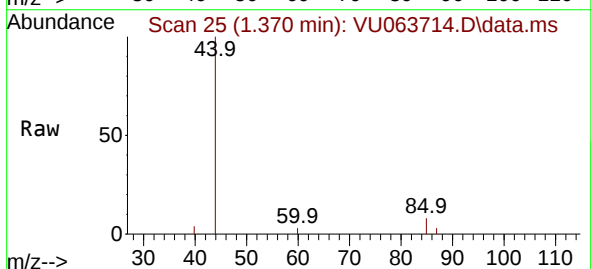
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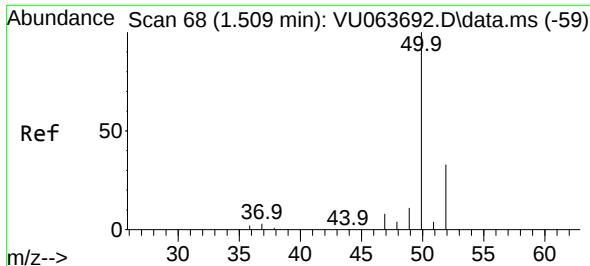
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#2
Dichlorodifluoromethane
Concen: 0.516 ug/l
RT: 1.370 min Scan# 25
Delta R.T. -0.003 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

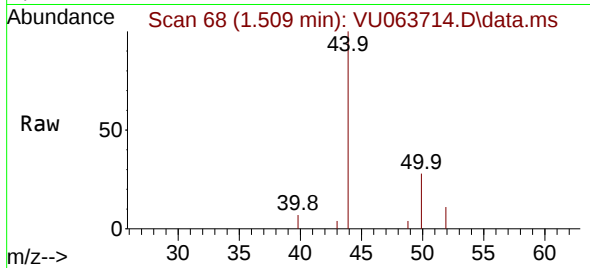
Tgt Ion: 85 Resp: 590
Ion Ratio Lower Upper
85 100
87 40.5 17.0 51.0





#3
Chloromethane
Concen: 0.664 ug/l
RT: 1.509 min Scan# 68
Delta R.T. -0.000 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

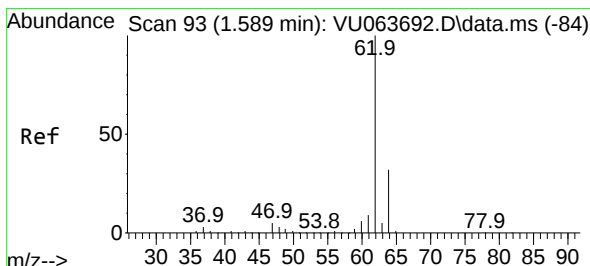
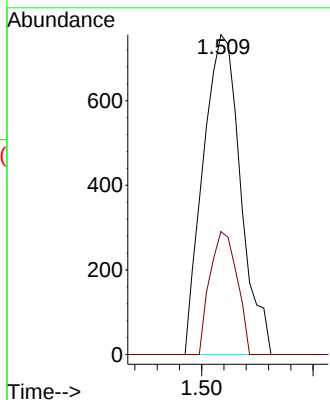
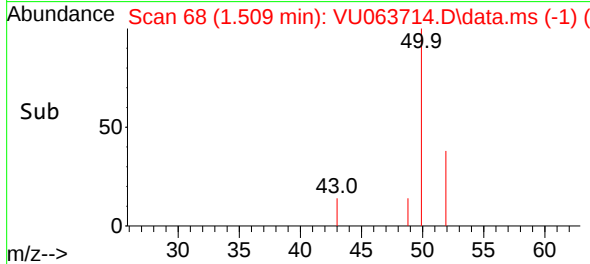
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion: 50 Resp: 88
Ion Ratio Lower Upper
50 100
52 38.5 26.3 39.5

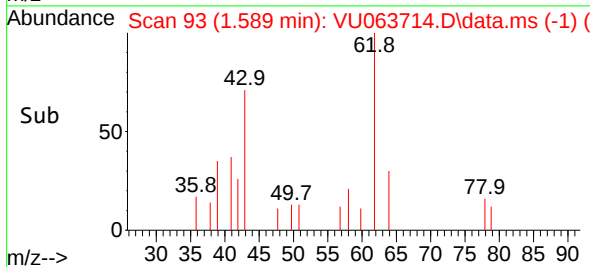
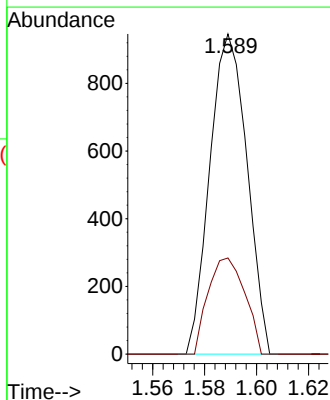
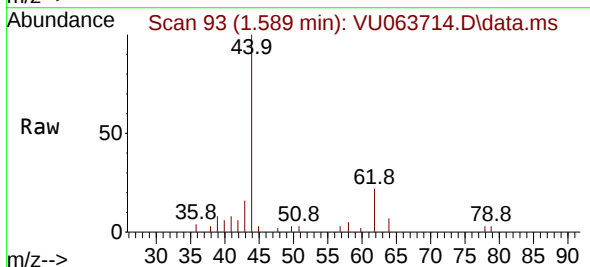
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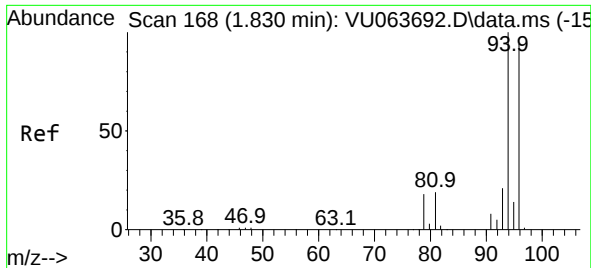
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#4
Vinyl Chloride
Concen: 0.668 ug/l
RT: 1.589 min Scan# 93
Delta R.T. -0.000 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

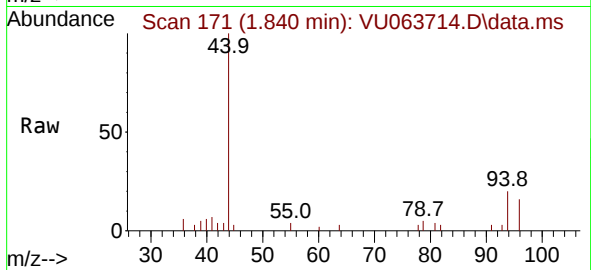
Tgt Ion: 62 Resp: 939
Ion Ratio Lower Upper
62 100
64 30.0 25.9 38.9





#5
Bromomethane
Concen: 1.275 ug/l
RT: 1.840 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

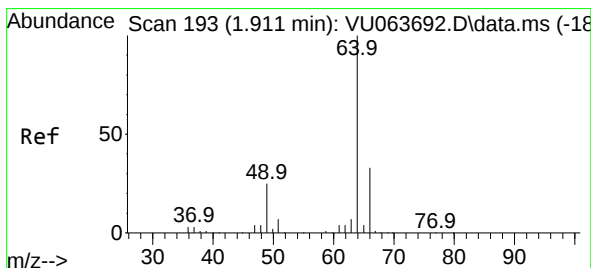
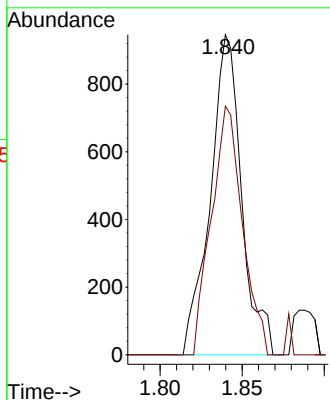
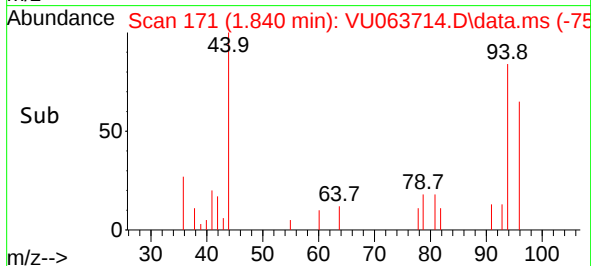
Instrument :
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Tgt Ion: 94 Resp: 1258
Ion Ratio Lower Upper
94 100
96 77.7 74.8 112.2

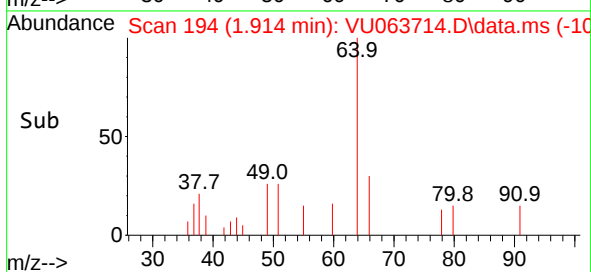
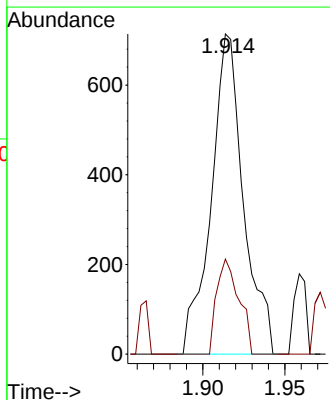
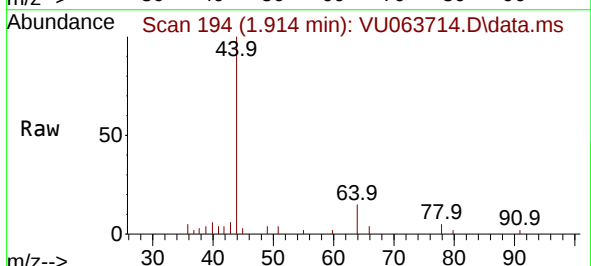
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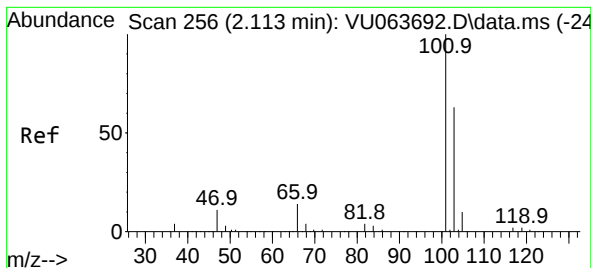
Reviewed By :John Carlone 11/14/2025
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#6
Chloroethane
Concen: 0.919 ug/l
RT: 1.914 min Scan# 194
Delta R.T. 0.003 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

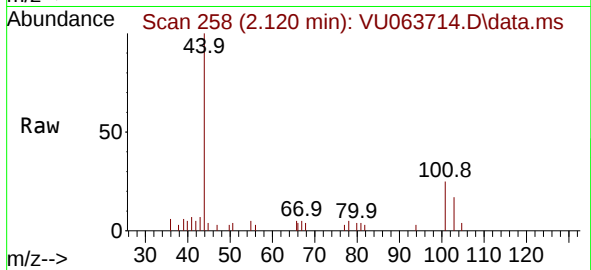
Tgt Ion: 64 Resp: 977
Ion Ratio Lower Upper
64 100
66 29.7 26.4 39.6





#7
 Trichlorofluoromethane
 Concen: 0.532 ug/l
 RT: 2.120 min Scan# 210
 Delta R.T. 0.006 min
 Lab File: VU063714.D
 Acq: 12 Nov 2025 12:41

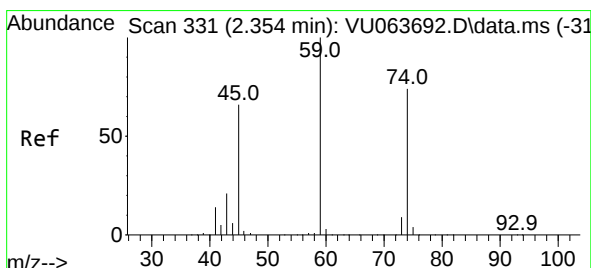
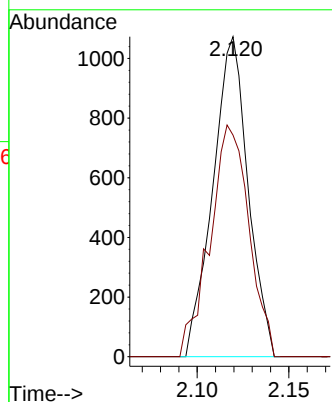
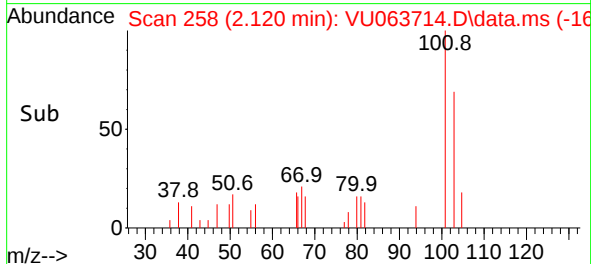
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 MDL-WATER-03-QT4-2025



Tgt Ion:101 Resp: 143
 Ion Ratio Lower Upper
 101 100
 103 69.2 50.3 75.5

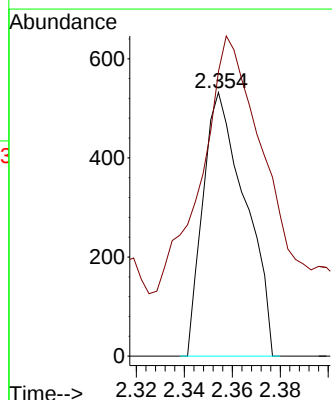
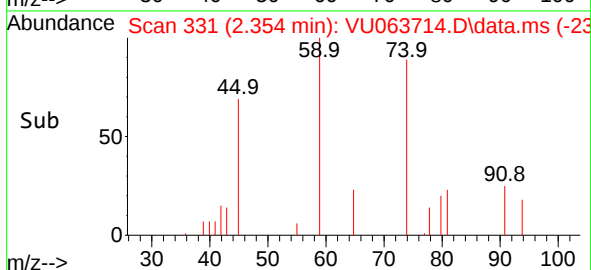
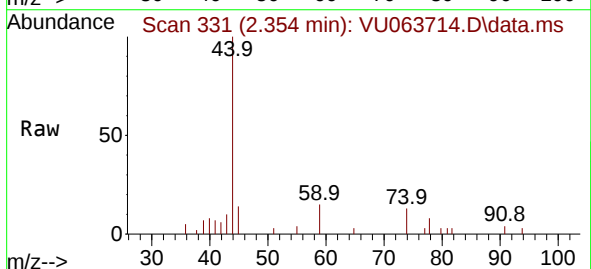
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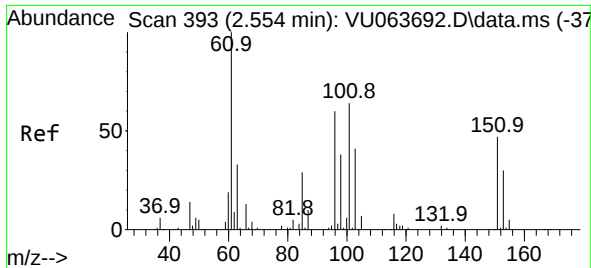
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#8
 Diethyl Ether
 Concen: 0.570 ug/l
 RT: 2.354 min Scan# 331
 Delta R.T. -0.000 min
 Lab File: VU063714.D
 Acq: 12 Nov 2025 12:41

Tgt Ion: 74 Resp: 652
 Ion Ratio Lower Upper
 74 100
 45 254.6 44.1 132.4#





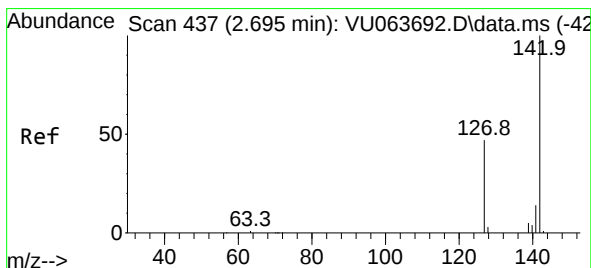
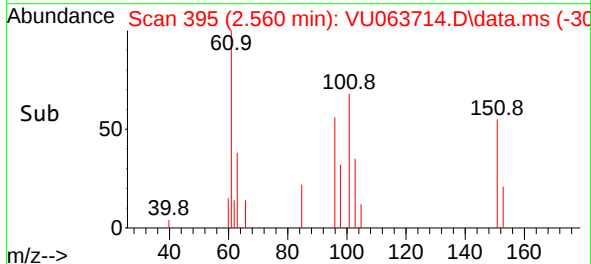
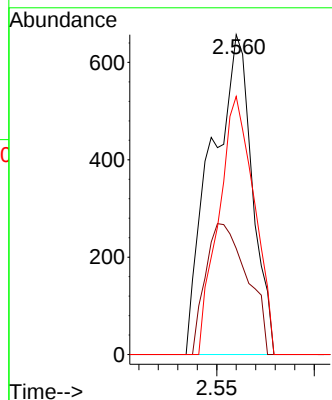
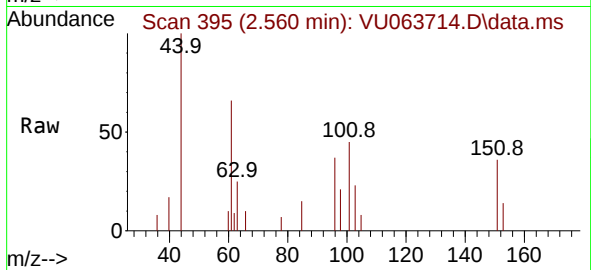
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.561 ug/l
RT: 2.560 min Scan# 395
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

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

Tgt Ion:101 Resp: 959
Ion Ratio Lower Upper
101 100
85 41.7 36.2 54.4
151 70.3 58.5 87.7

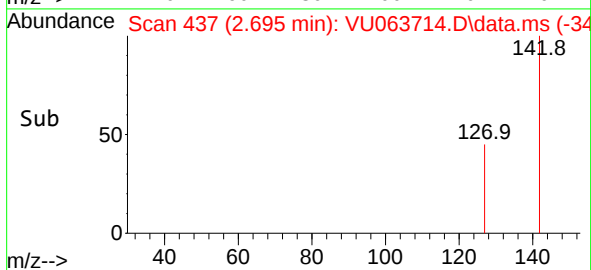
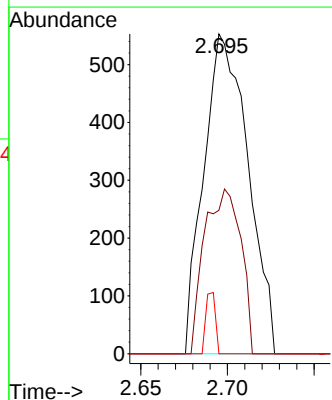
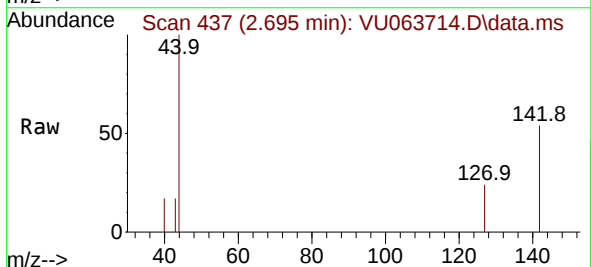
Manual Integrations
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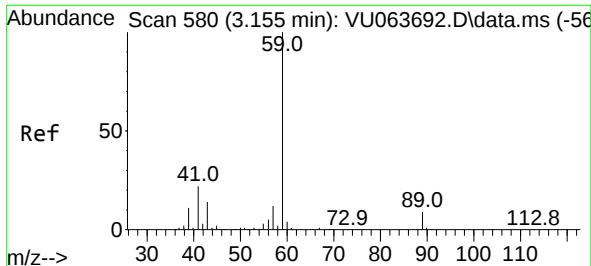
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#10
Methyl Iodide
Concen: 0.577 ug/l
RT: 2.695 min Scan# 437
Delta R.T. 0.000 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

Tgt Ion:142 Resp: 982
Ion Ratio Lower Upper
142 100
127 42.3 37.2 55.8
141 4.1 11.4 17.0#





#11

Tert butyl alcohol

Concen: 3.757 ug/l m

RT: 3.164 min Scan# 580

Delta R.T. 0.009 min

Lab File: VU063714.D

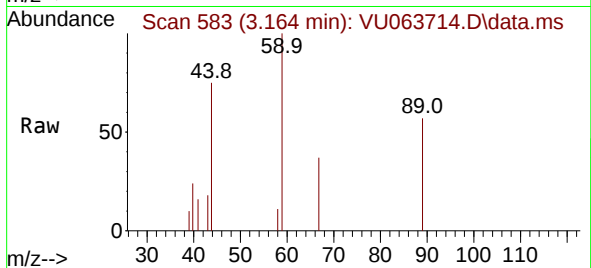
Acq: 12 Nov 2025 12:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025



Tgt Ion: 59 Resp: 2450

Ion Ratio Lower Upper

59 100

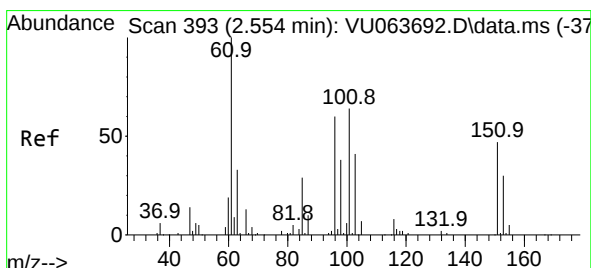
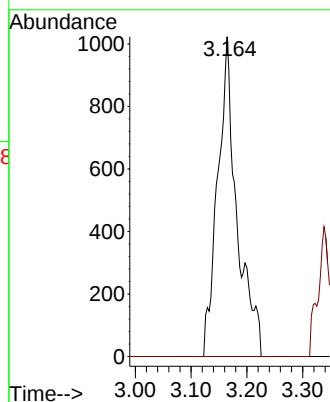
57 0.0 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#12

1,1-Dichloroethene

Concen: 0.729 ug/l

RT: 2.554 min Scan# 393

Delta R.T. -0.000 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

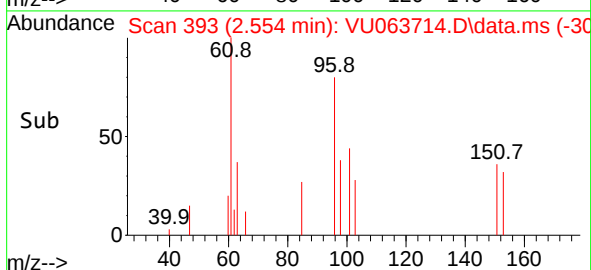
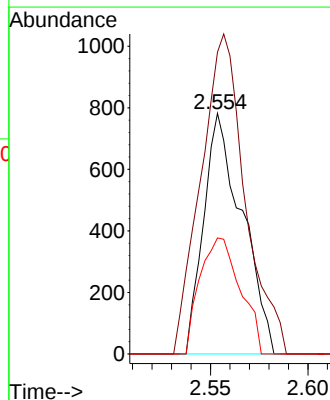
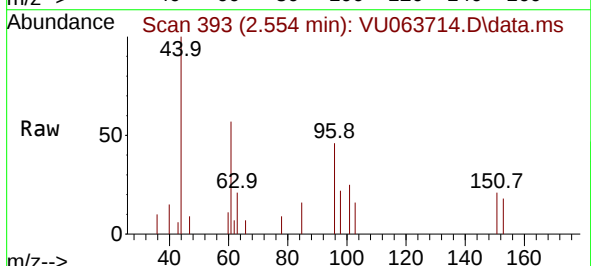
Tgt Ion: 96 Resp: 1072

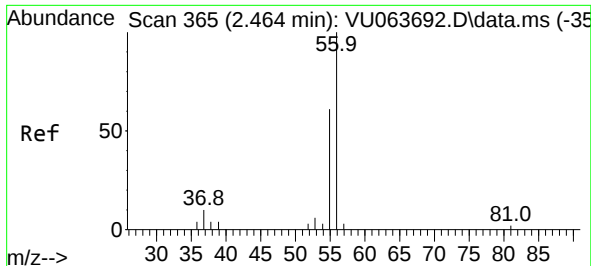
Ion Ratio Lower Upper

96 100

61 112.4 133.1 199.7#

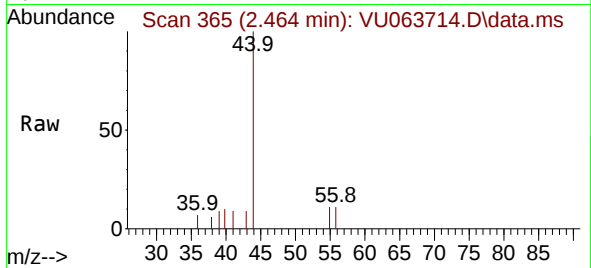
98 48.2 50.7 76.1#





#13
Acrolein
Concen: 6.406 ug/l
RT: 2.464 min Scan# 304
Delta R.T. -0.000 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

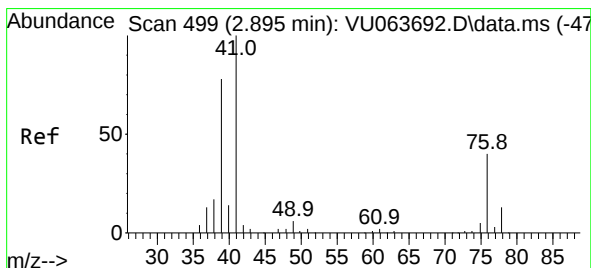
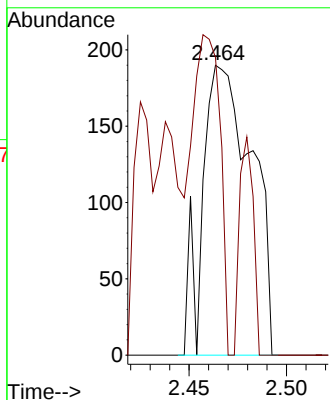
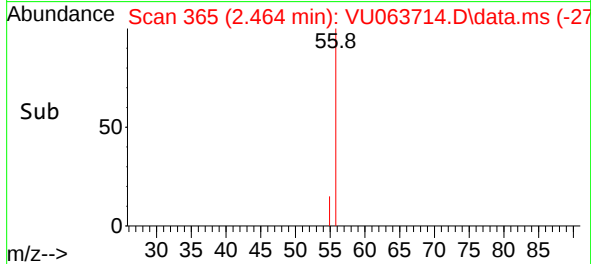
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 56 Resp: 334
Ion Ratio Lower Upper
56 100
55 61.7 47.1 70.7

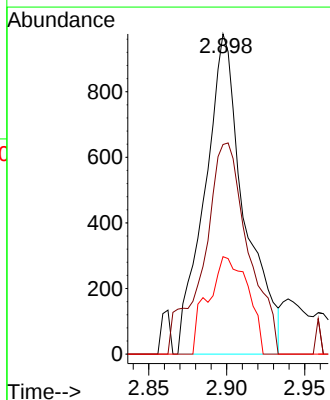
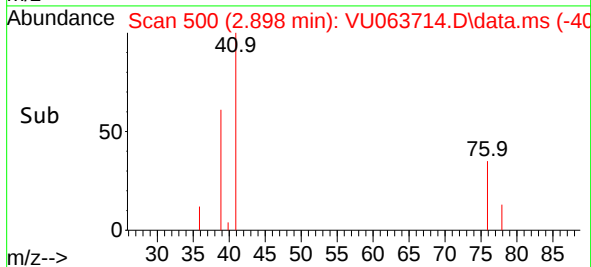
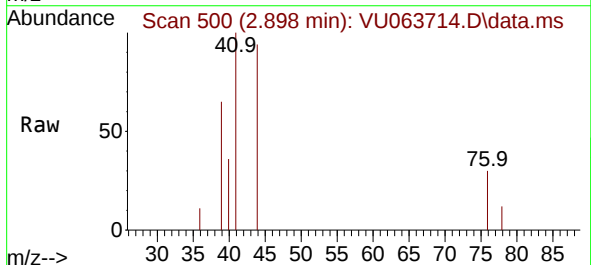
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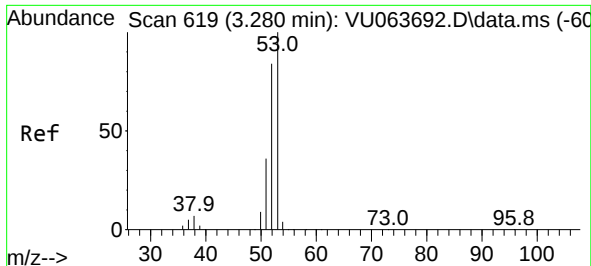
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#14
Allyl chloride
Concen: 0.629 ug/l
RT: 2.898 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

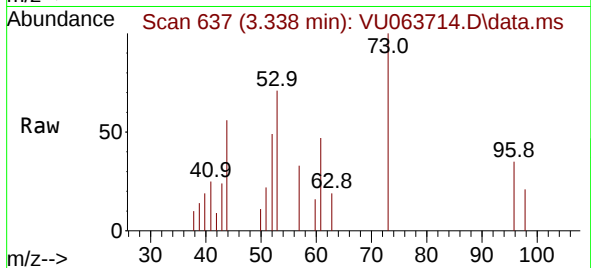
Tgt Ion: 41 Resp: 1725
Ion Ratio Lower Upper
41 100
39 74.3 53.1 79.7
76 30.5 26.4 39.6





#15
Acrylonitrile
Concen: 2.406 ug/l m
RT: 3.338 min Scan# 61
Delta R.T. 0.058 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

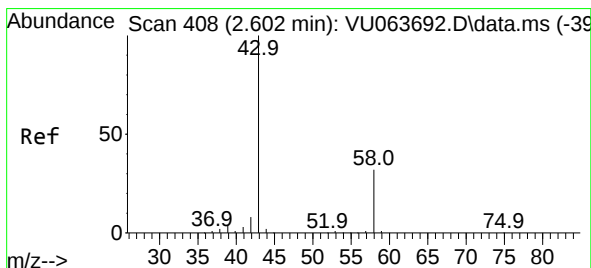
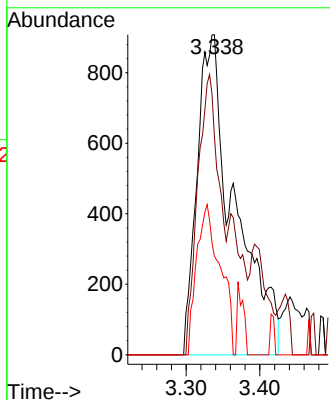
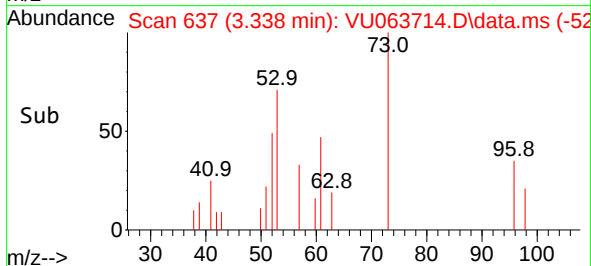
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 53 Resp: 321
Ion Ratio Lower Upper
53 100
52 50.8 67.5 101.3
51 29.5 29.0 43.6

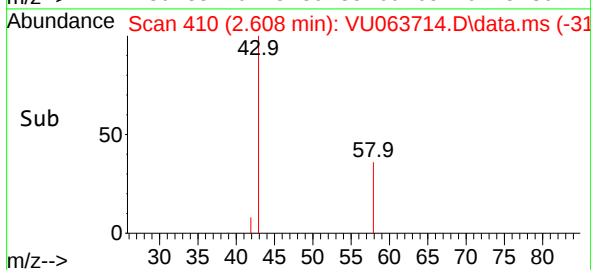
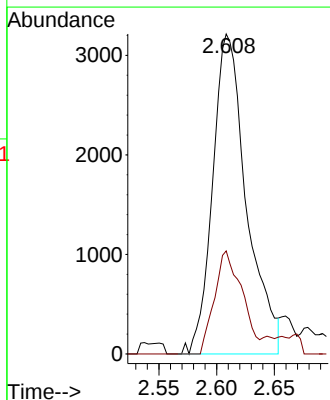
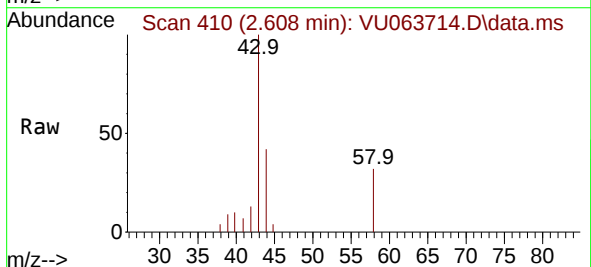
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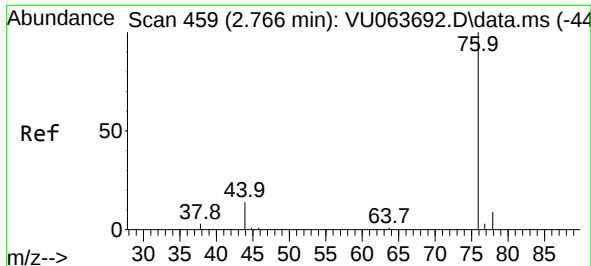
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#16
Acetone
Concen: 3.590 ug/l
RT: 2.608 min Scan# 410
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

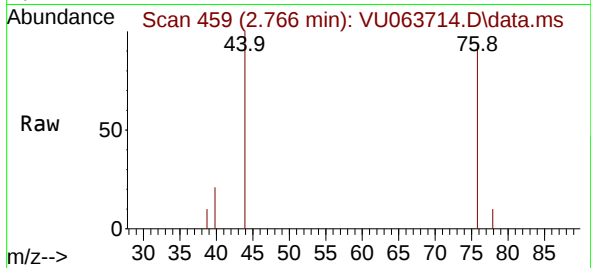
Tgt Ion: 43 Resp: 6563
Ion Ratio Lower Upper
43 100
58 32.2 25.4 38.2





#17
Carbon Disulfide
Concen: 0.806 ug/l
RT: 2.766 min Scan# 414
Delta R.T. -0.000 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

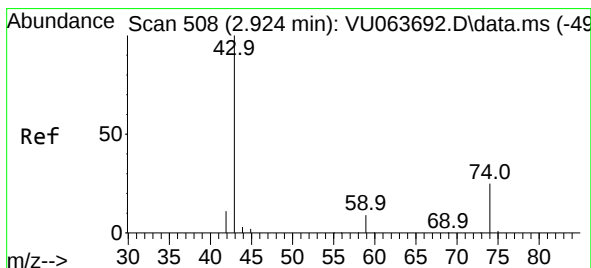
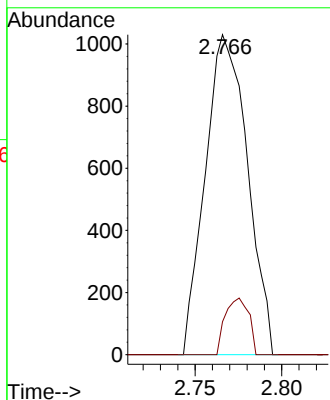
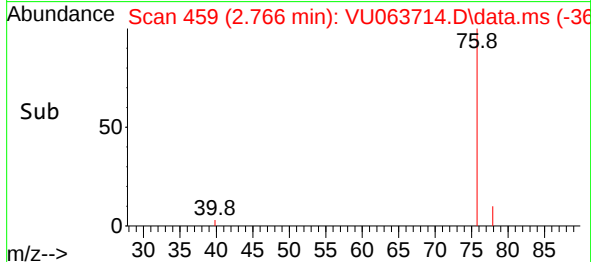
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



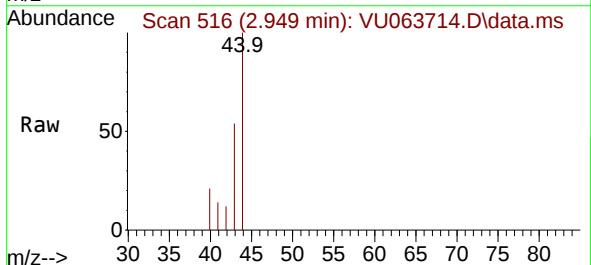
Tgt Ion: 76 Resp: 1744
Ion Ratio Lower Upper
76 100
78 10.3 7.0 10.6

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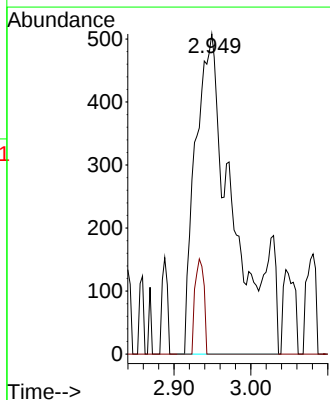
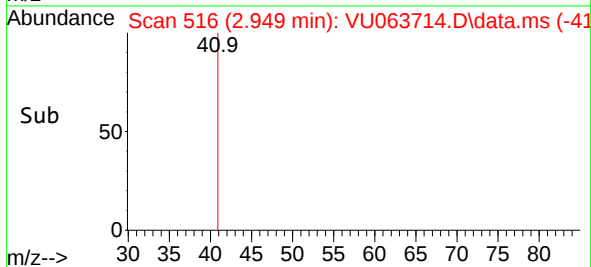
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

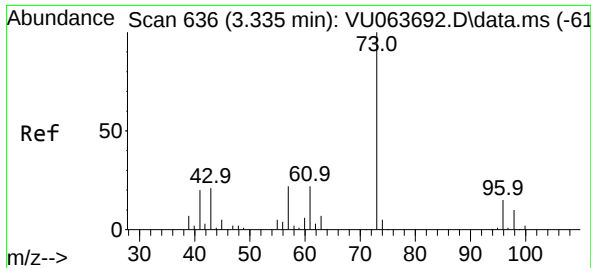


#18
Methyl Acetate
Concen: 0.403 ug/l m
RT: 2.949 min Scan# 516
Delta R.T. 0.025 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41



Tgt Ion: 43 Resp: 1747
Ion Ratio Lower Upper
43 100
74 7.0 20.6 31.0#





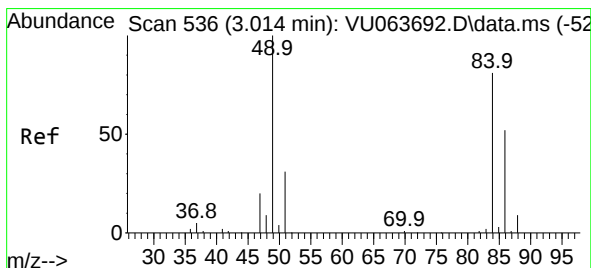
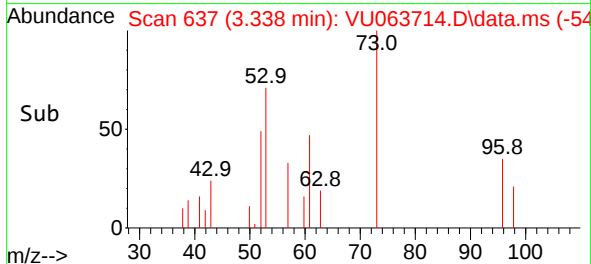
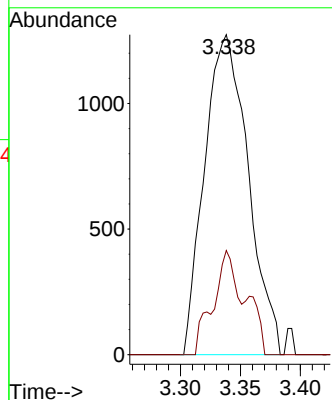
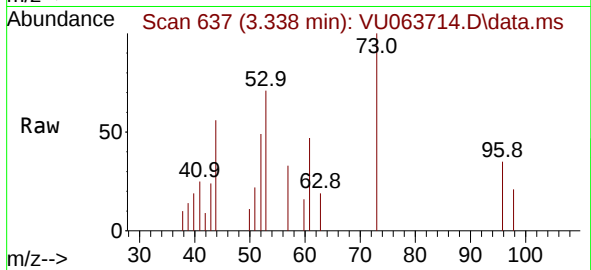
#19
Methyl tert-butyl Ether
Concen: 0.486 ug/l
RT: 3.338 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

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

Tgt Ion: 73 Resp: 3224
Ion Ratio Lower Upper
73 100
57 32.6 17.4 26.2

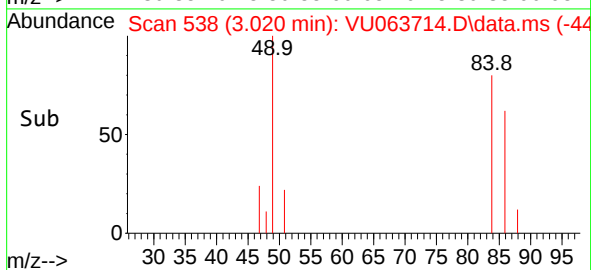
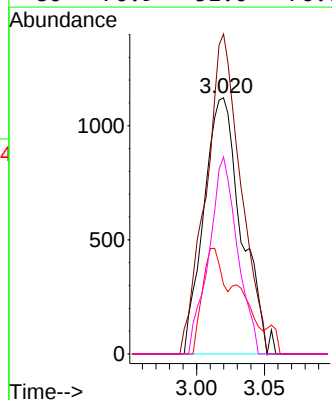
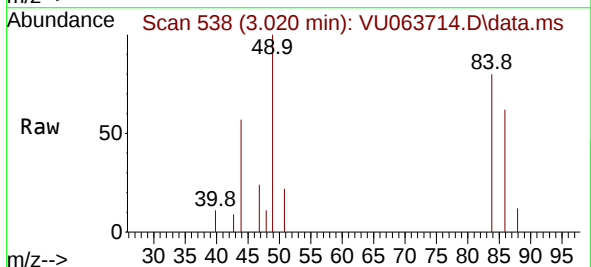
Manual Integrations
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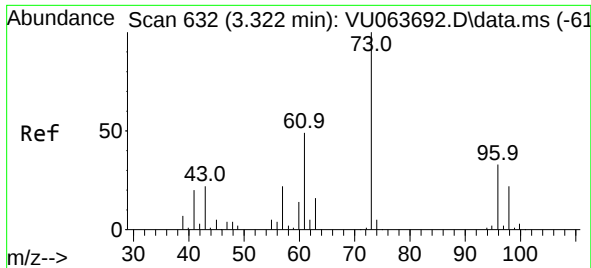
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#20
Methylene Chloride
Concen: 1.035 ug/l
RT: 3.020 min Scan# 538
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

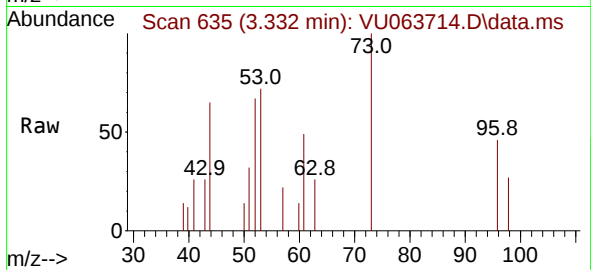
Tgt Ion: 84 Resp: 2156
Ion Ratio Lower Upper
84 100
49 125.0 98.4 147.6
51 27.1 30.1 45.1#
86 76.9 51.0 76.6#





#21
trans-1,2-Dichloroethene
Concen: 0.648 ug/l
RT: 3.332 min Scan# 61
Delta R.T. 0.009 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

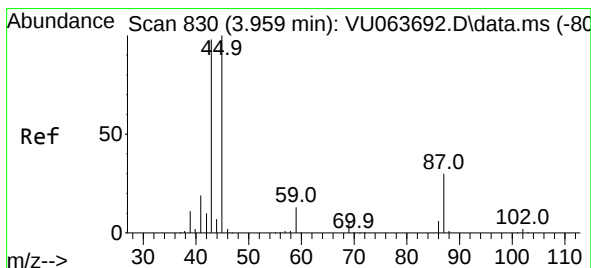
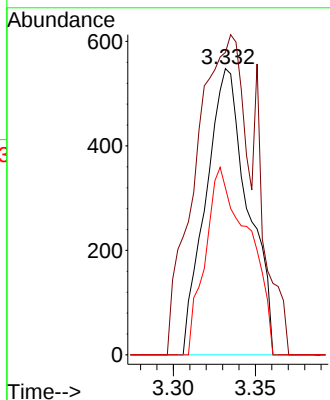
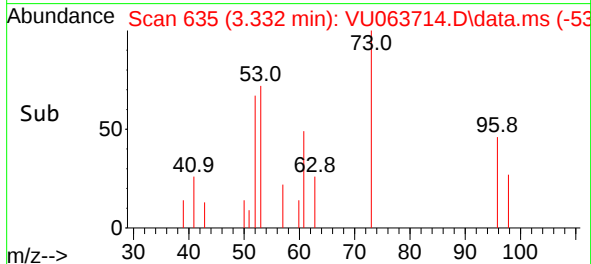
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 96 Resp: 978
Ion Ratio Lower Upper
96 100
61 81.8 117.5 176.3#
98 58.4 52.7 79.1

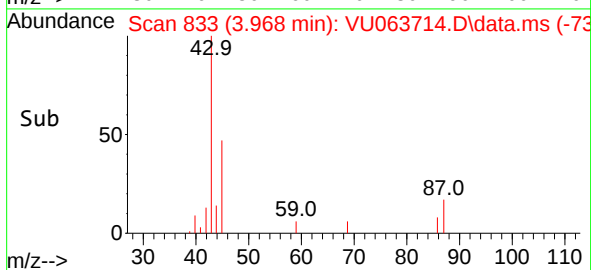
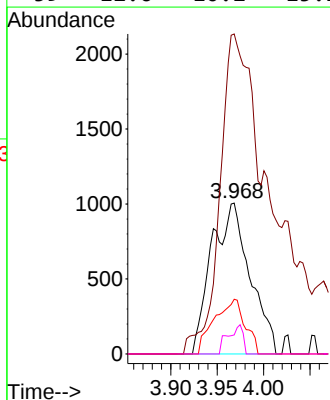
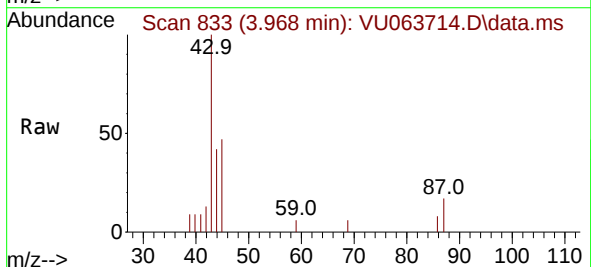
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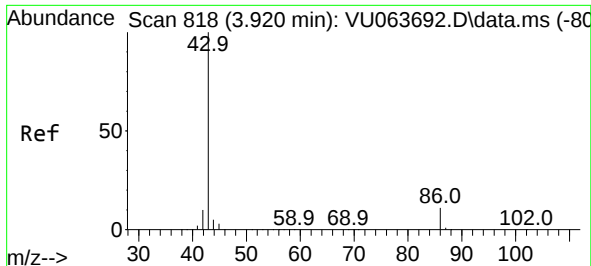
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#22
Diisopropyl ether
Concen: 0.482 ug/l m
RT: 3.968 min Scan# 833
Delta R.T. 0.009 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

Tgt Ion: 45 Resp: 2912
Ion Ratio Lower Upper
45 100
43 212.1 78.1 117.1#
87 36.3 23.8 35.8#
59 12.6 10.2 15.2





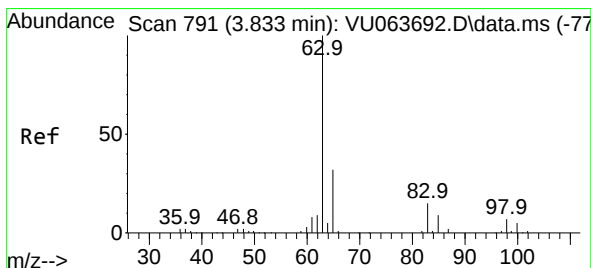
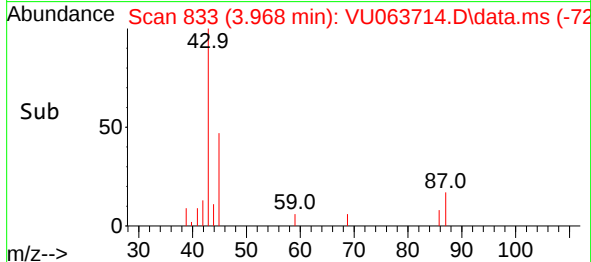
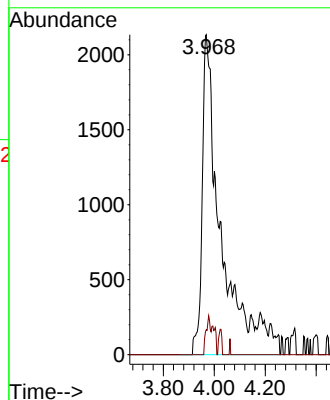
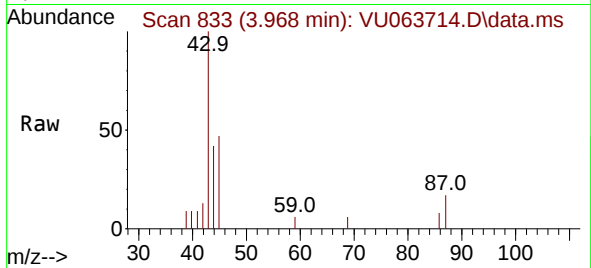
#23
 Vinyl Acetate
 Concen: 2.678 ug/l m
 RT: 3.968 min Scan# 818
 Delta R.T. 0.048 min
 Lab File: VU063714.D
 Acq: 12 Nov 2025 12:41

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

Tgt Ion: 43 Resp: 1103
 Ion Ratio Lower Upper
 43 100
 86 7.8 8.7 13.1

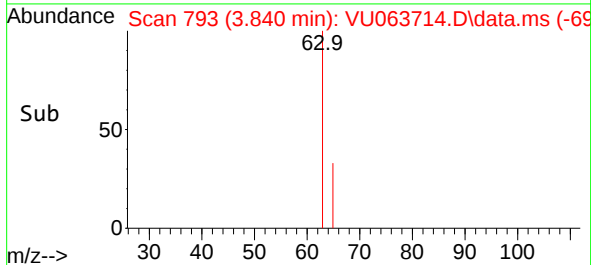
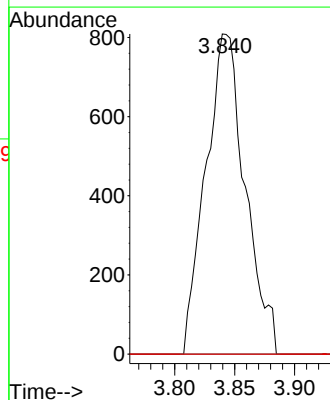
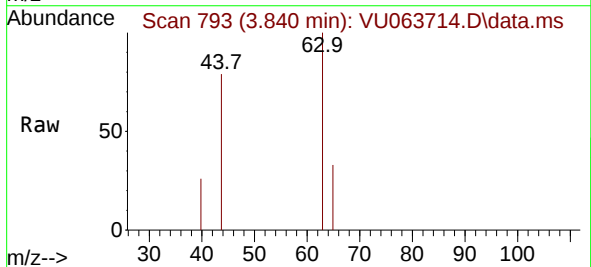
Manual Integrations
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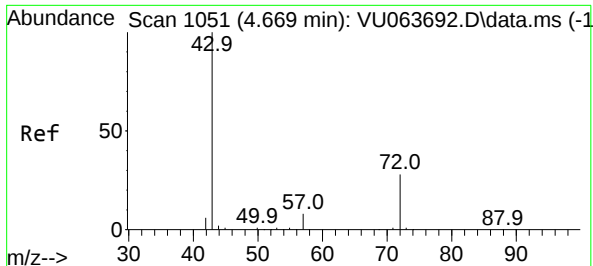
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#24
 1,1-Dichloroethane
 Concen: 0.532 ug/l
 RT: 3.840 min Scan# 793
 Delta R.T. 0.006 min
 Lab File: VU063714.D
 Acq: 12 Nov 2025 12:41

Tgt Ion: 63 Resp: 1853
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.7 11.1#
 100 0.0 2.5 7.5#





#25

2-Butanone

Concen: 4.278 ug/l m

RT: 4.734 min Scan# 1071

Delta R.T. 0.064 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 43 Resp: 823

Ion Ratio Lower Upper

43 100

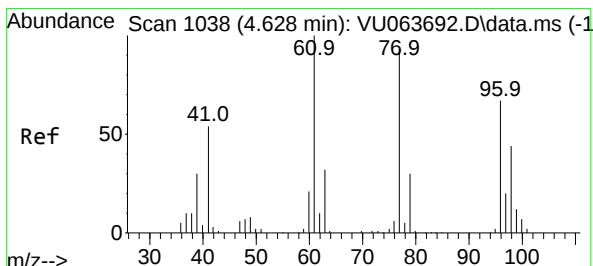
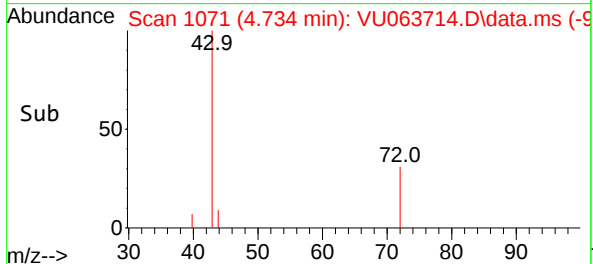
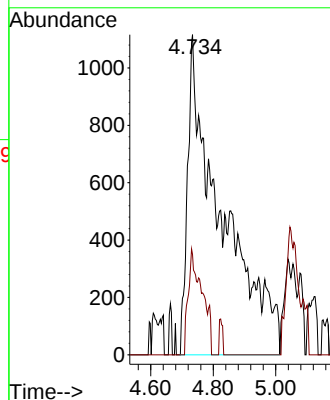
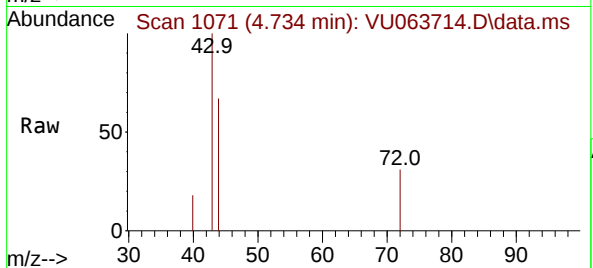
72 31.4 22.0 33.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#26

2,2-Dichloropropane

Concen: 0.541 ug/l m

RT: 4.631 min Scan# 1039

Delta R.T. 0.003 min

Lab File: VU063714.D

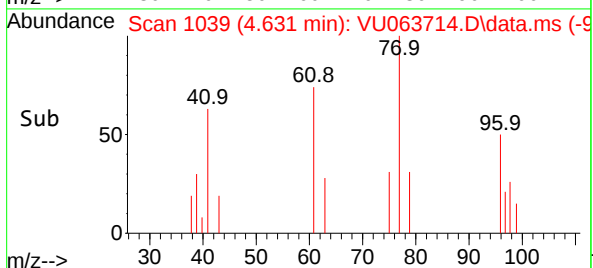
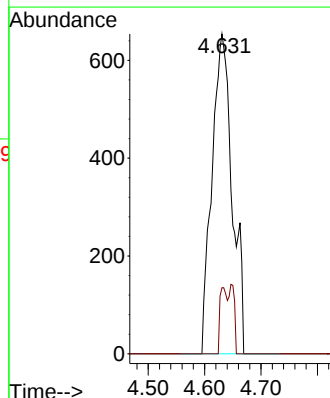
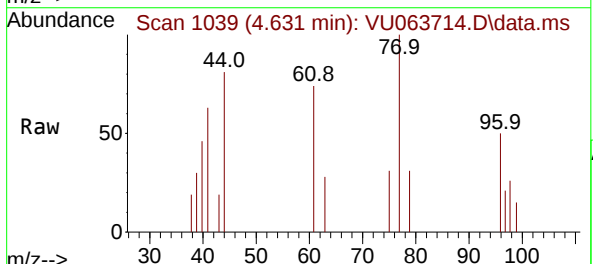
Acq: 12 Nov 2025 12:41

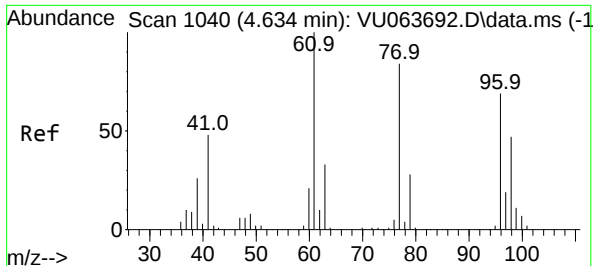
Tgt Ion: 77 Resp: 1619

Ion Ratio Lower Upper

77 100

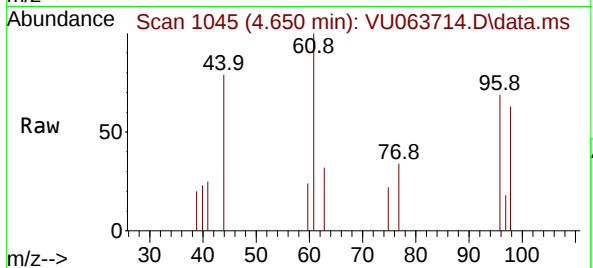
97 7.4 10.9 32.9#





#27
cis-1,2-Dichloroethene
Concen: 0.614 ug/l m
RT: 4.650 min Scan# 1045
Delta R.T. 0.016 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

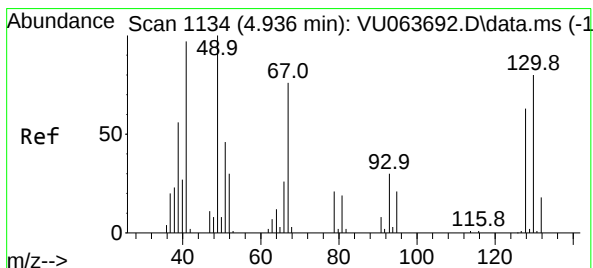
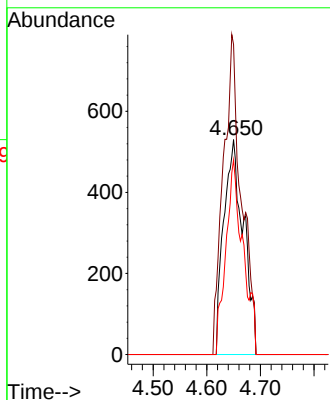
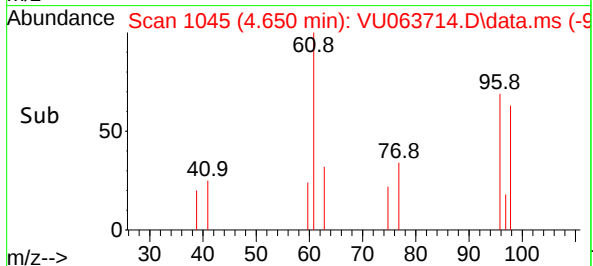
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 96 Resp: 135
Ion Ratio Lower Upper
96 100
61 136.7 0.0 295.4
98 72.8 0.0 131.8

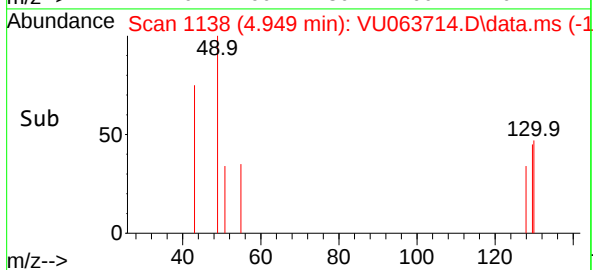
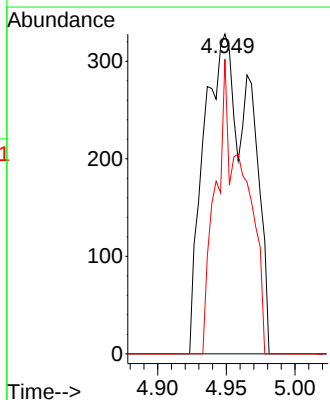
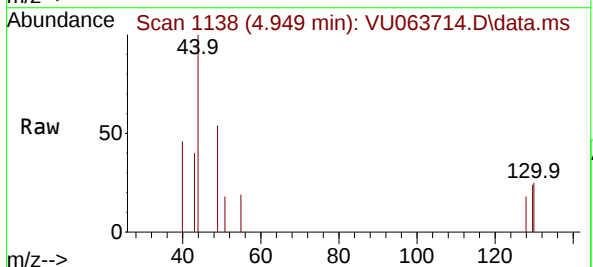
Manual Integrations
APPROVED

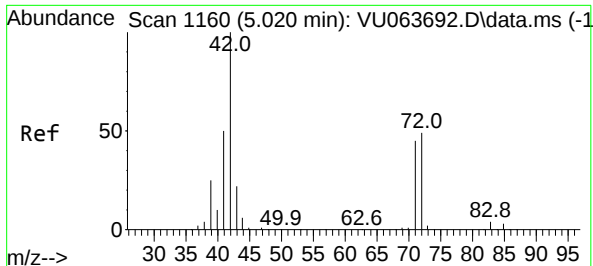
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#28
Bromochloromethane
Concen: 0.551 ug/l m
RT: 4.949 min Scan# 1138
Delta R.T. 0.013 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

Tgt Ion: 49 Resp: 768
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 32.0 65.1 97.7#





#29

Tetrahydrofuran

Concen: 2.908 ug/l m

RT: 5.042 min Scan# 1160

Delta R.T. 0.022 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

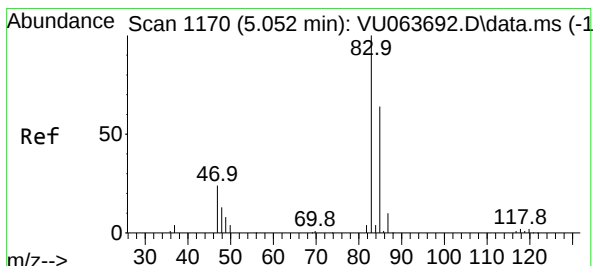
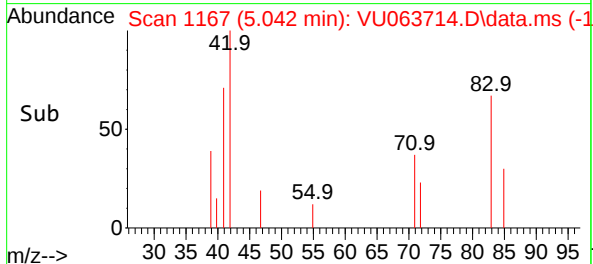
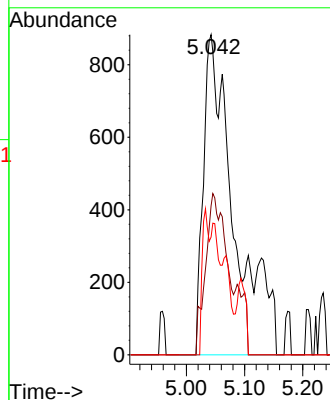
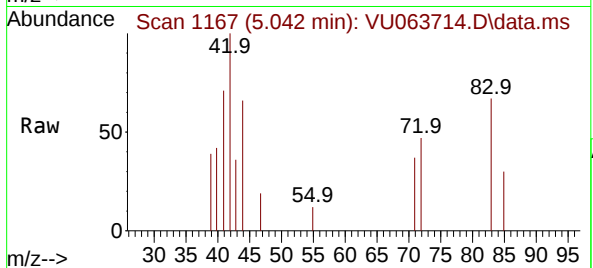
Tgt Ion: 42	Resp: 3250
Ion Ratio	Lower Upper
42	100
72	33.7 40.0 60.0
71	9.9 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#30

Chloroform

Concen: 0.624 ug/l

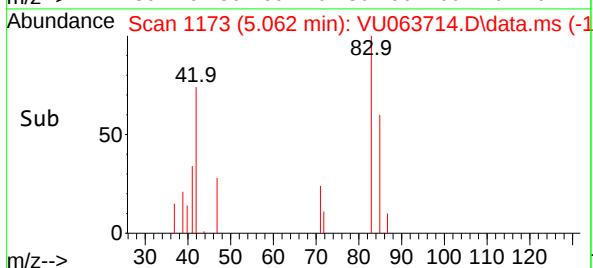
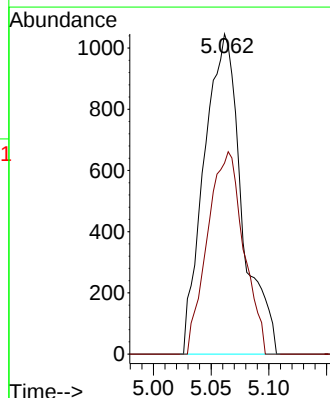
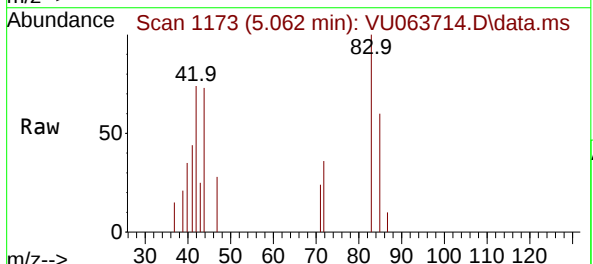
RT: 5.062 min Scan# 1173

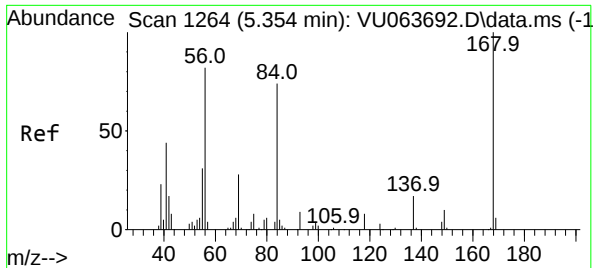
Delta R.T. 0.009 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

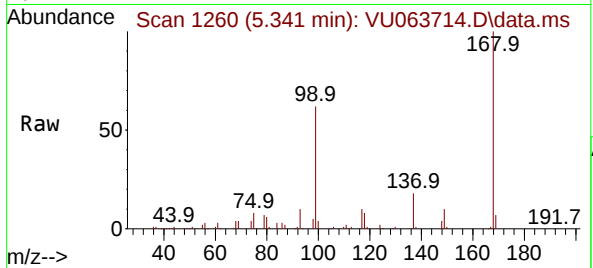
Tgt Ion: 83	Resp: 2381
Ion Ratio	Lower Upper
83	100
85	59.7 51.0 76.6





#31
Cyclohexane
Concen: 2.235 ug/l
RT: 5.341 min Scan# 1260
Delta R.T. -0.013 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

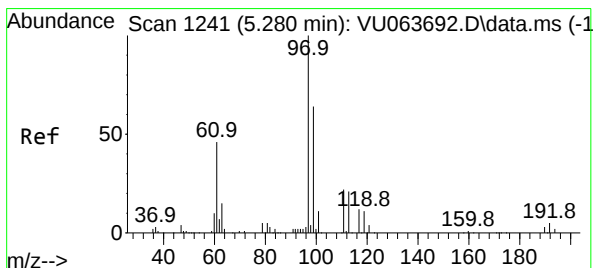
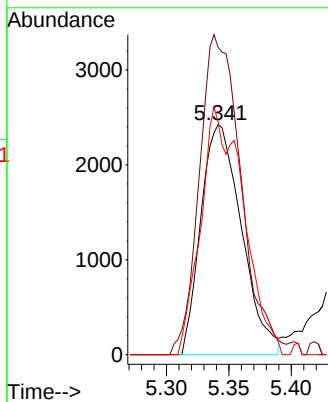
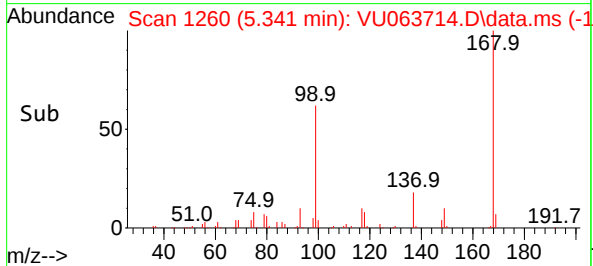
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 56 Resp: 5500
Ion Ratio Lower Upper
56 100
69 127.3 27.0 40.6
84 101.5 71.8 107.6

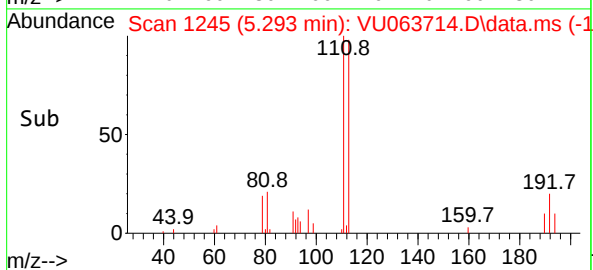
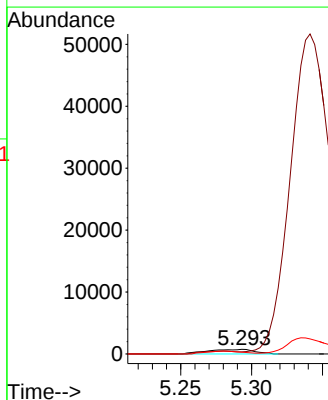
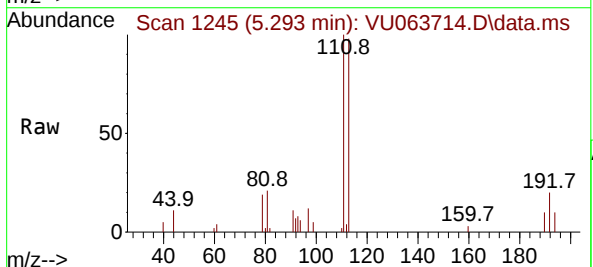
Manual Integrations
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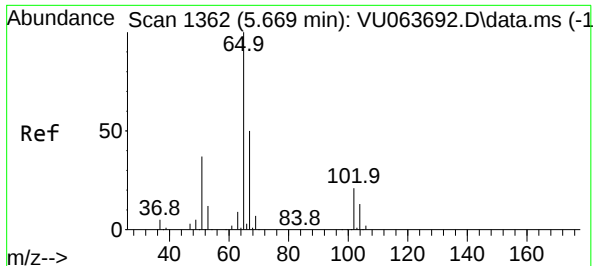
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#32
1,1,1-Trichloroethane
Concen: 0.544 ug/l
RT: 5.293 min Scan# 1245
Delta R.T. 0.013 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

Tgt Ion: 97 Resp: 1703
Ion Ratio Lower Upper
97 100
99 0.0 49.8 74.8
61 49.6 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 48.991 ug/l

RT: 5.672 min Scan# 1362

Delta R.T. 0.003 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 65 Resp: 136928

Ion Ratio Lower Upper

65 100

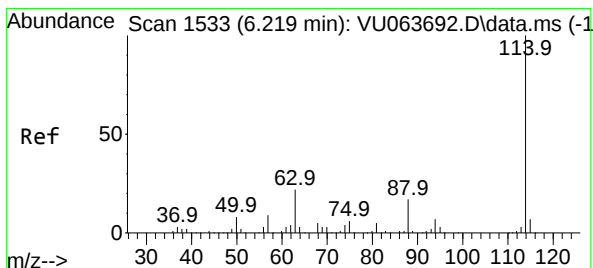
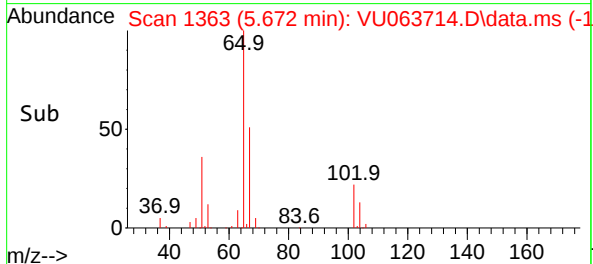
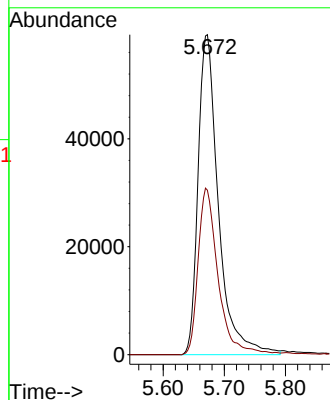
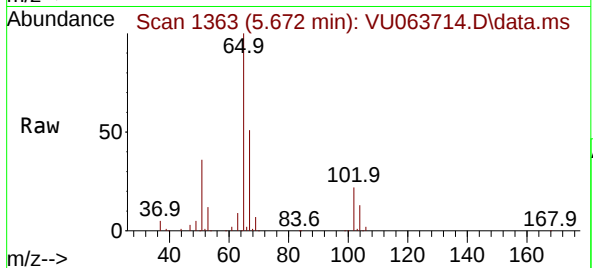
67 51.1 0.0 101.8

Manual Integrations

APPROVED

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: VU063714.D

Acq: 12 Nov 2025 12:41

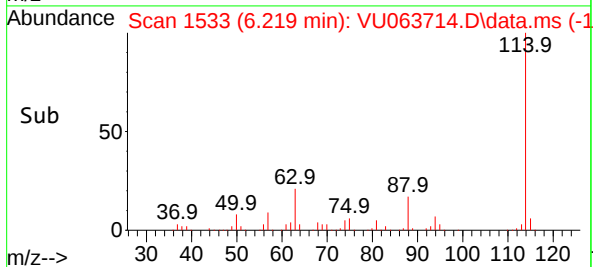
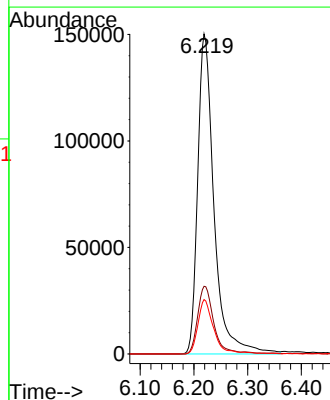
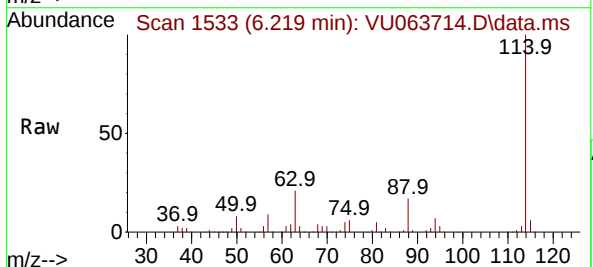
Tgt Ion:114 Resp: 316778

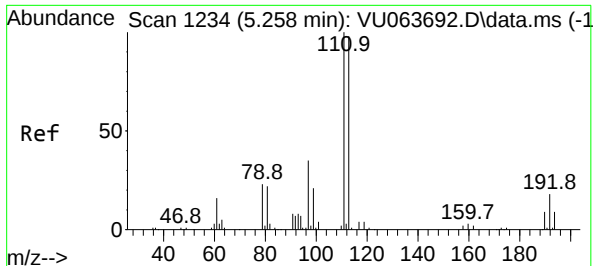
Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.0

88 17.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 46.825 ug/l

RT: 5.258 min Scan# 1113

Delta R.T. -0.000 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion:113 Resp: 10389

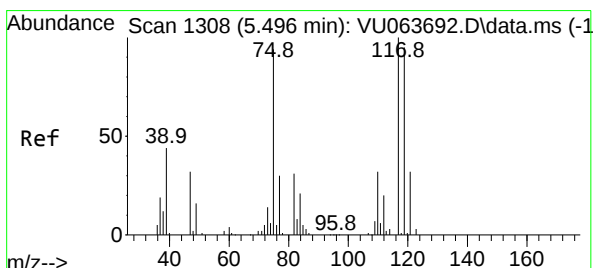
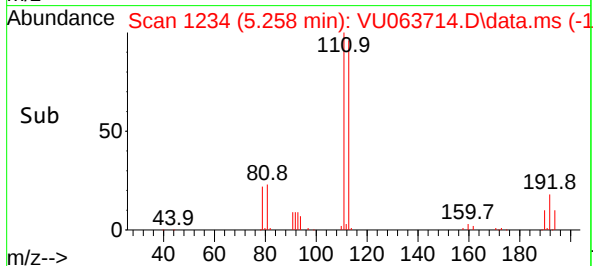
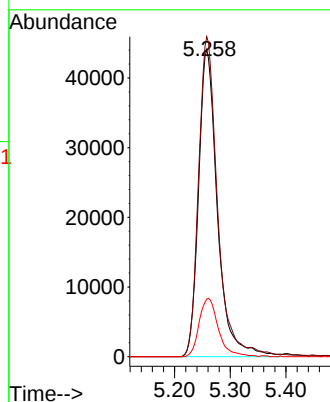
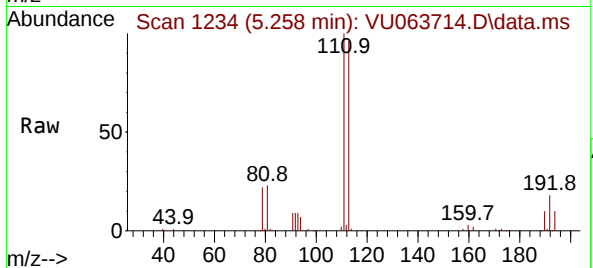
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.4	123.6
192	19.3	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#36

1,1-Dichloropropene

Concen: 0.822 ug/l

RT: 5.508 min Scan# 1312

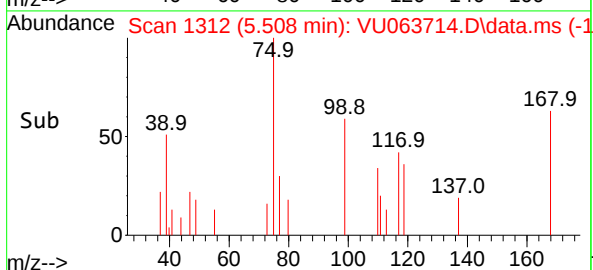
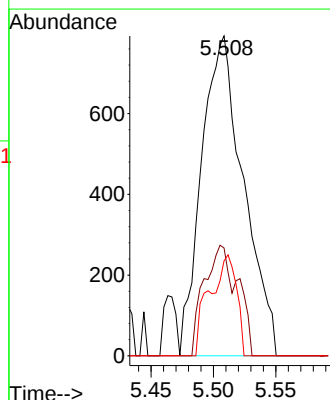
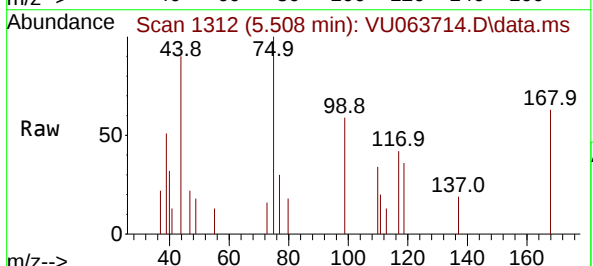
Delta R.T. 0.013 min

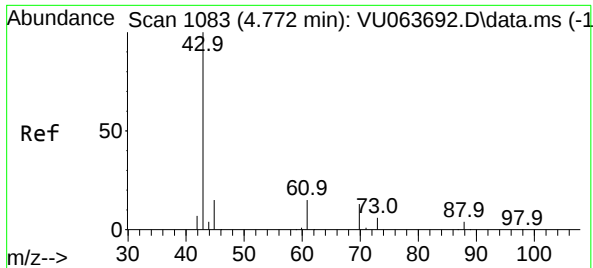
Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Tgt Ion: 75 Resp: 1856

Ion	Ratio	Lower	Upper
75	100		
110	21.0	17.3	51.7
77	20.2	24.4	36.6





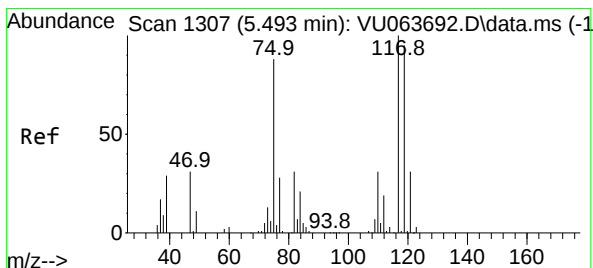
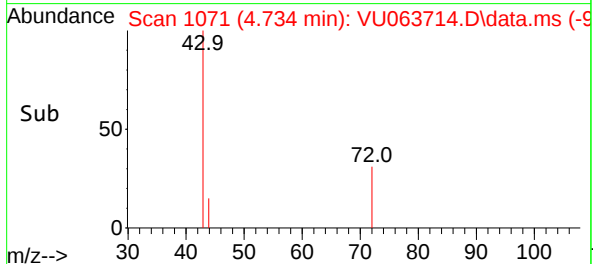
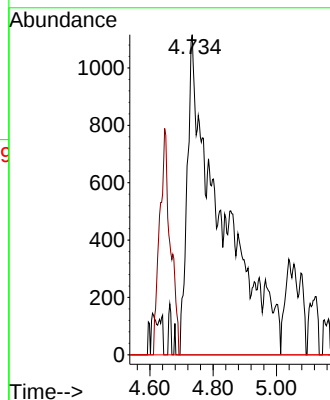
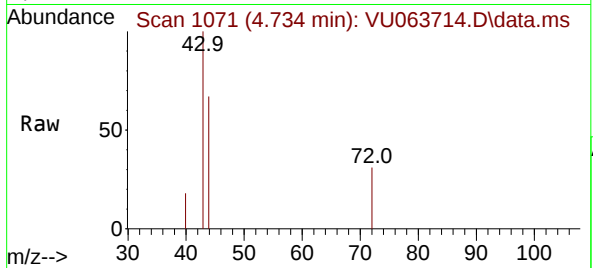
#37
Ethyl Acetate
Concen: 2.574 ug/l m
RT: 4.734 min Scan# 1083
Delta R.T. -0.039 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

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

Tgt Ion: 43 Resp: 823
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5
70 0.0 8.9 13.3

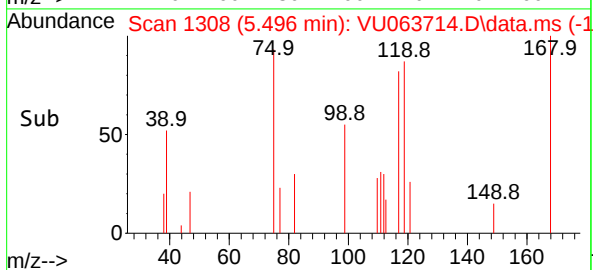
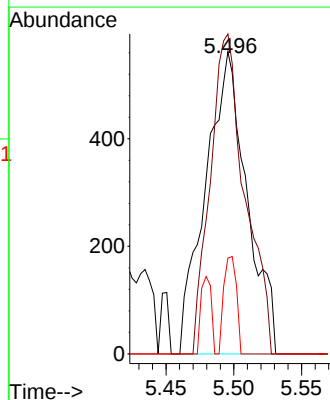
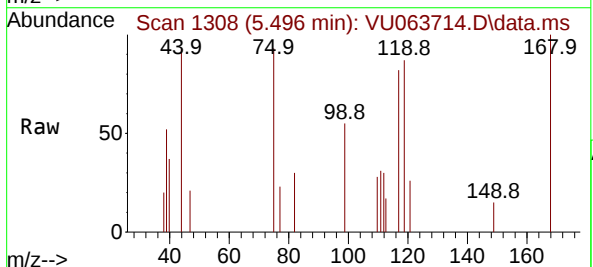
Manual Integrations
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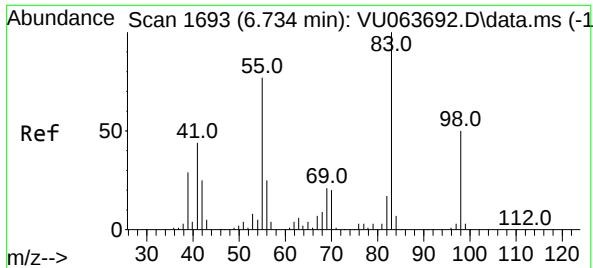
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#38
Carbon Tetrachloride
Concen: 0.490 ug/l
RT: 5.496 min Scan# 1308
Delta R.T. 0.003 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

Tgt Ion:117 Resp: 1196
Ion Ratio Lower Upper
117 100
119 105.9 76.1 114.1
121 31.7 24.6 37.0





#39

Methylcyclohexane

Concen: 0.477 ug/l

RT: 6.730 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

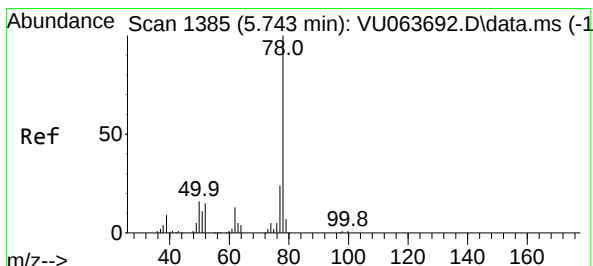
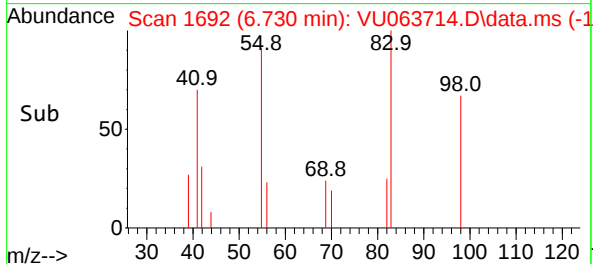
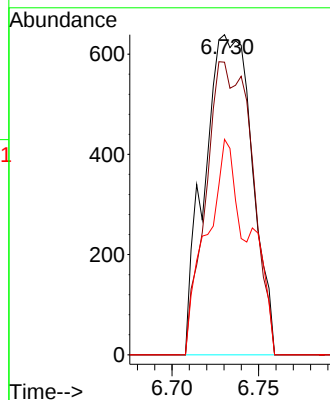
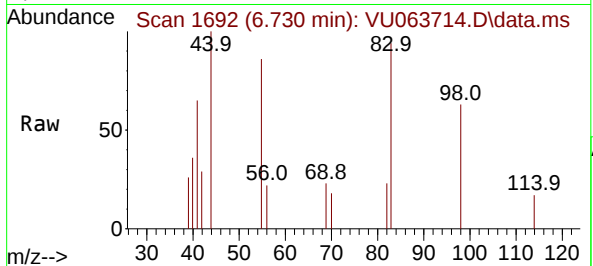
Tgt Ion: 83	Resp: 1224
Ion Ratio	Lower Upper
83	100
55	91.4 61.6 92.4
98	67.3 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#40

Benzene

Concen: 0.570 ug/l

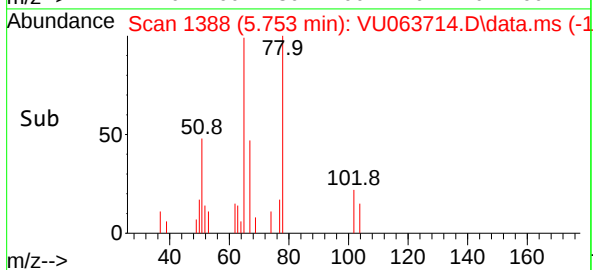
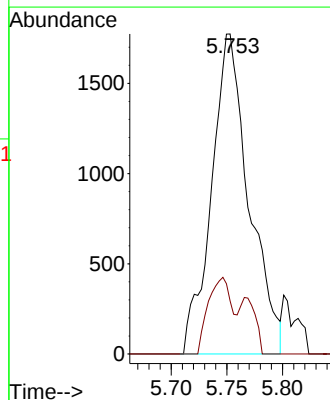
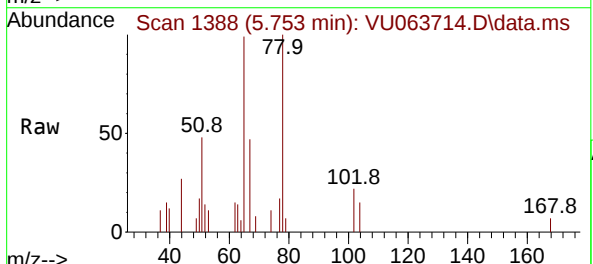
RT: 5.753 min Scan# 1388

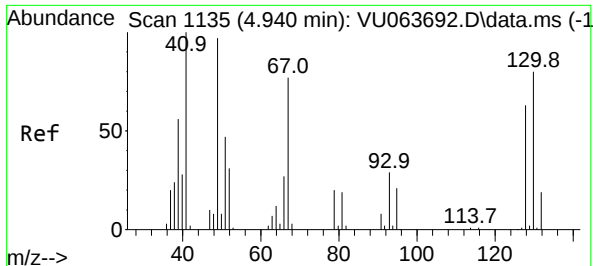
Delta R.T. 0.009 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

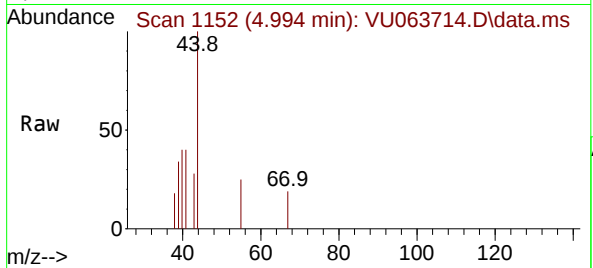
Tgt Ion: 78	Resp: 4151
Ion Ratio	Lower Upper
78	100
77	16.6 18.9 28.3





#41
Methacrylonitrile
Concen: 0.241 ug/l
RT: 4.994 min Scan# 1152
Delta R.T. 0.054 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

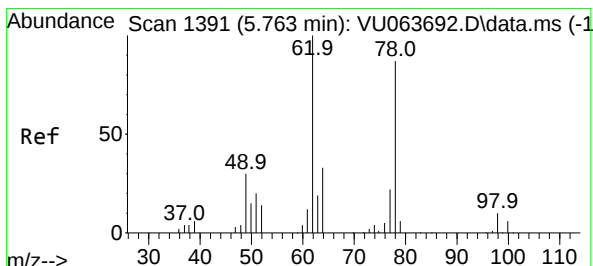
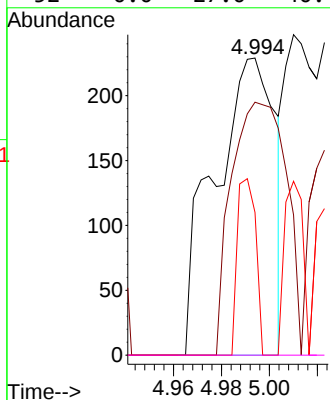
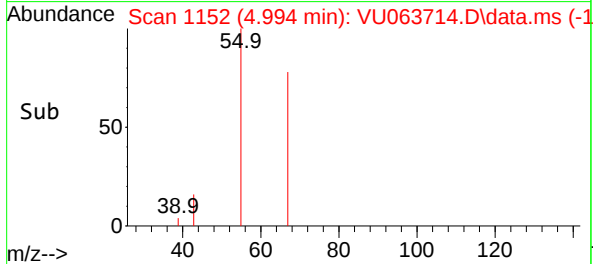
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 41 Resp: 40
Ion Ratio Lower Upper
41 100
39 77.1 44.7 67.1
67 18.2 67.4 101.2
52 0.0 27.0 40.4

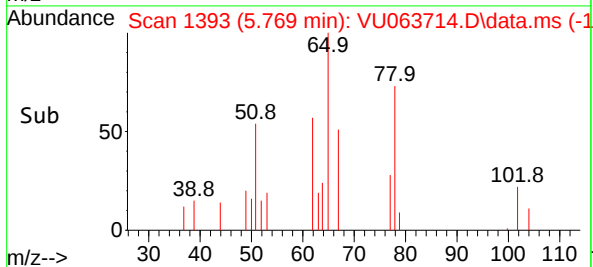
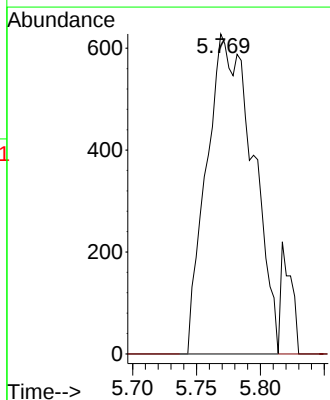
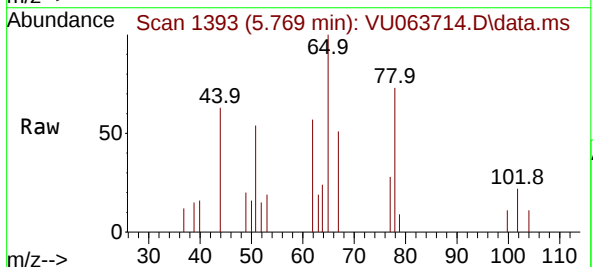
Manual Integrations
APPROVED

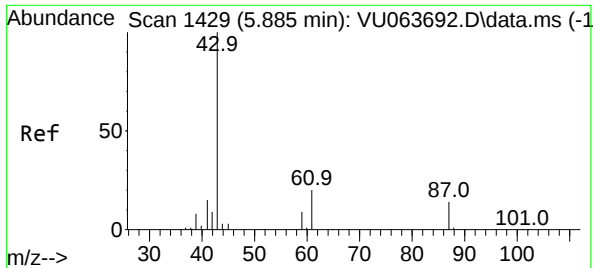
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#42
1,2-Dichloroethane
Concen: 0.549 ug/l m
RT: 5.769 min Scan# 1393
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

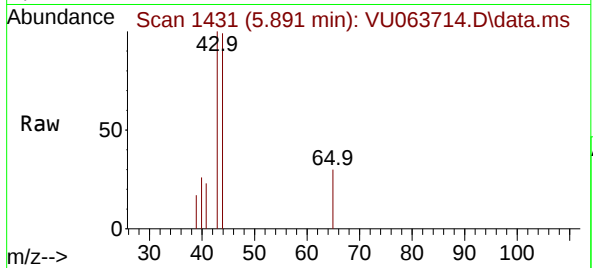
Tgt Ion: 62 Resp: 1577
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2





#43
Isopropyl Acetate
Concen: 0.511 ug/l m
RT: 5.891 min Scan# 1429
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

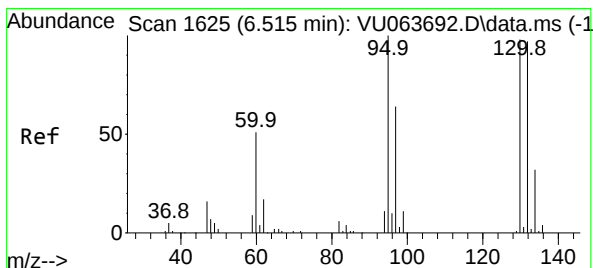
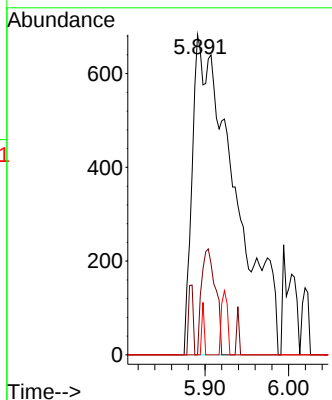
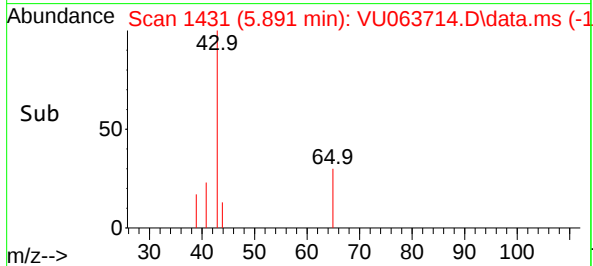
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



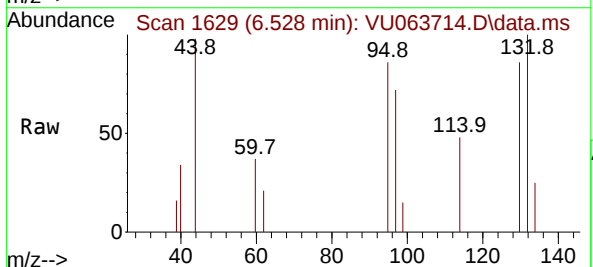
Tgt Ion: 43 Resp: 239
Ion Ratio Lower Upper
43 100
61 10.9 15.9 23.9
87 0.9 11.0 16.6

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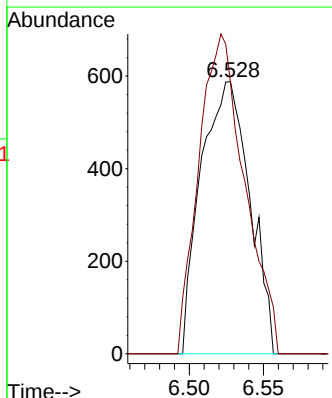
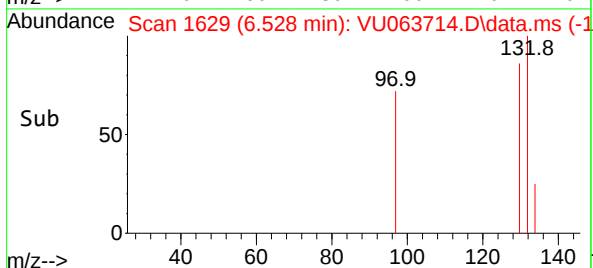
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

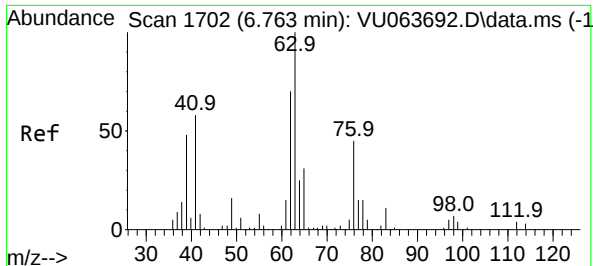


#44
Trichloroethene
Concen: 0.656 ug/l
RT: 6.528 min Scan# 1629
Delta R.T. 0.013 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41



Tgt Ion:130 Resp: 1341
Ion Ratio Lower Upper
130 100
95 99.5 0.0 203.6





#45

1,2-Dichloropropane

Concen: 0.554 ug/l m

RT: 6.775 min Scan# 1

Delta R.T. 0.013 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Instrument :

MSVOA_U

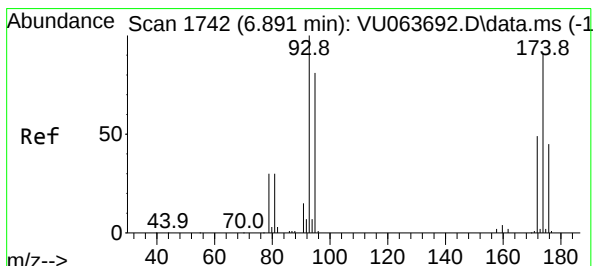
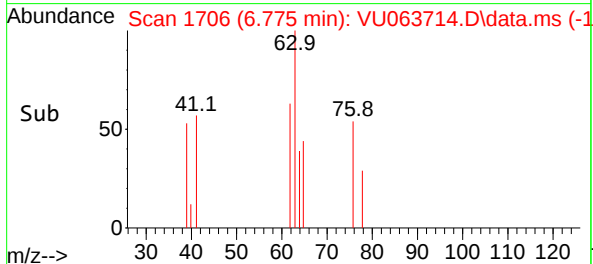
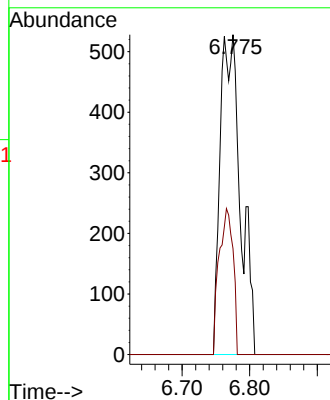
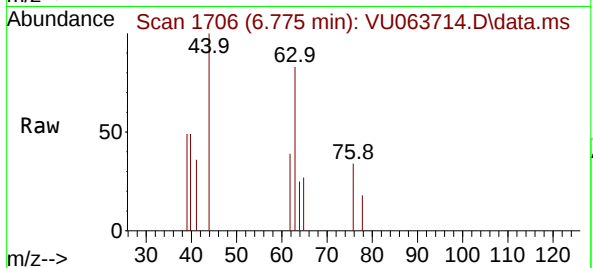
ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 63 Resp: 1098
 Ion Ratio Lower Upper
 63 100
 65 33.1 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: 0.543 ug/l

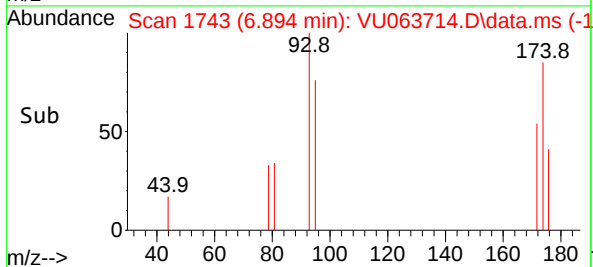
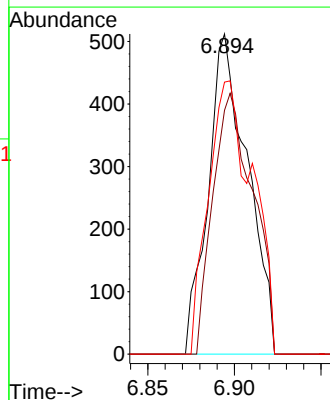
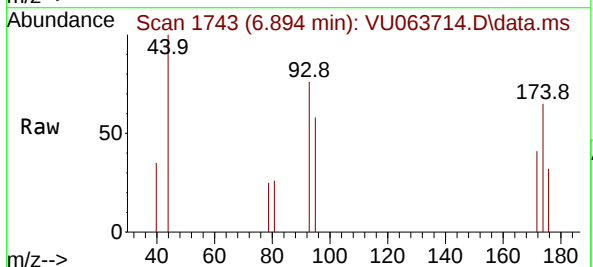
RT: 6.894 min Scan# 1743

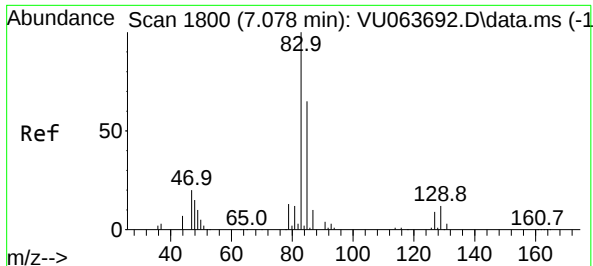
Delta R.T. 0.003 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Tgt Ion: 93 Resp: 808
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.9 98.9
 174 96.0 74.9 112.3





#47

Bromodichloromethane

Concen: 0.471 ug/l

RT: 7.081 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

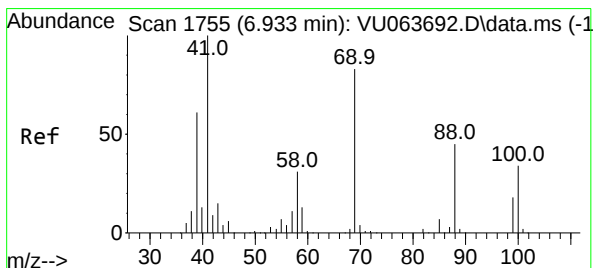
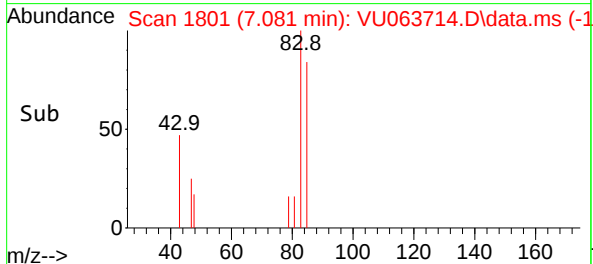
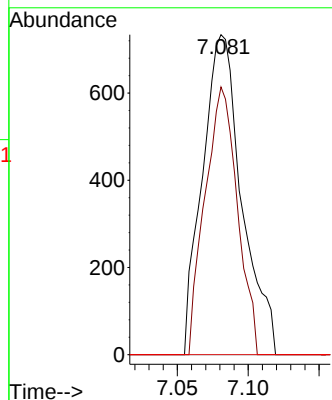
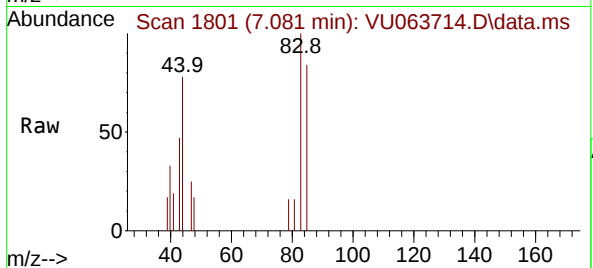
Tgt Ion: 83	Resp: 142
Ion Ratio	Lower Upper
83	100
85	83.7 51.9 77.9
127	0.0 6.9 10.3

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#48

Methyl methacrylate

Concen: 0.412 ug/l m

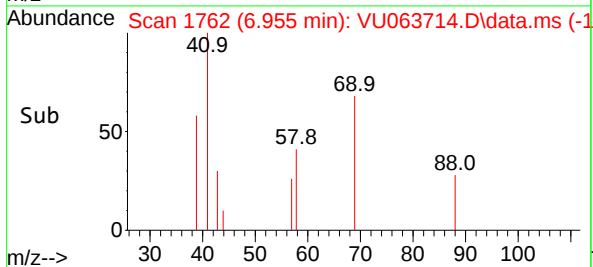
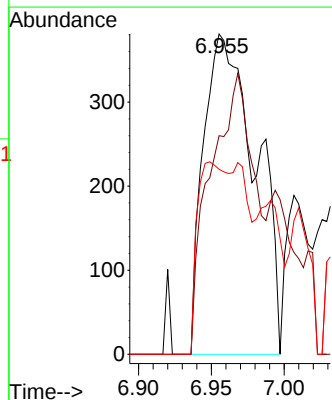
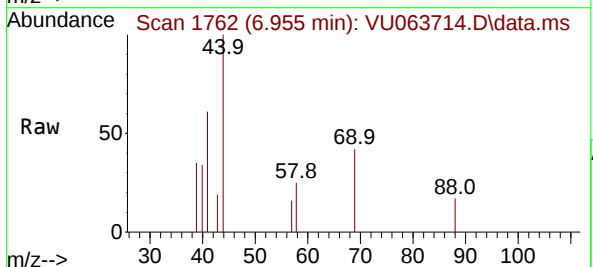
RT: 6.955 min Scan# 1762

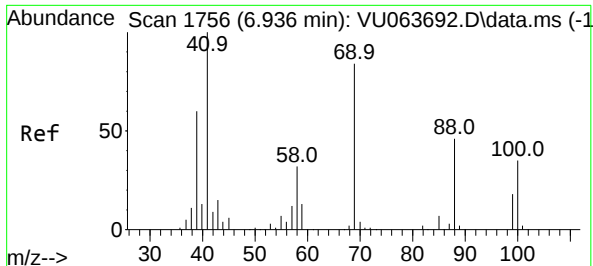
Delta R.T. 0.022 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Tgt Ion: 41	Resp: 947
Ion Ratio	Lower Upper
41	100
69	75.0 72.9 109.3
39	34.5 51.0 76.4





#49

1,4-Dioxane

Concen: 5.464 ug/l m

RT: 6.965 min Scan# 1756

Delta R.T. 0.029 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

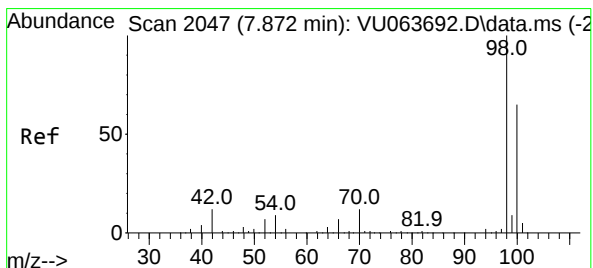
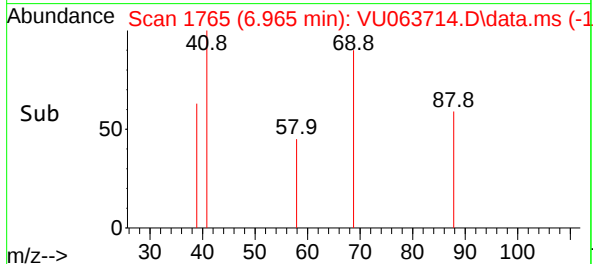
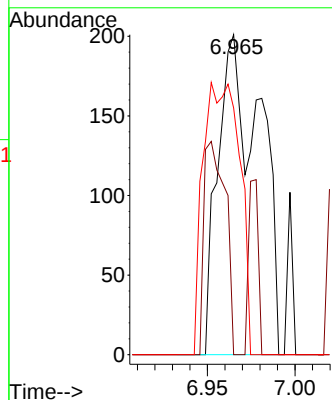
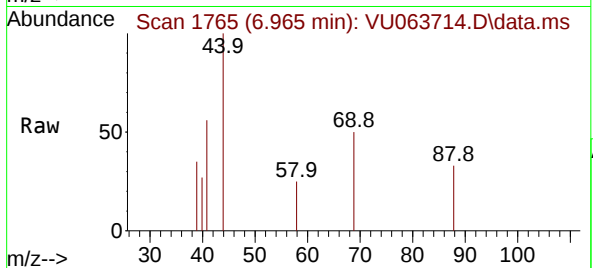
Tgt Ion:	88	Resp:	33
Ion	Ratio	Lower	Upper
88	100		
43	33.9	24.1	36.1
58	74.5	54.2	81.4

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#50

Toluene-d8

Concen: 45.552 ug/l

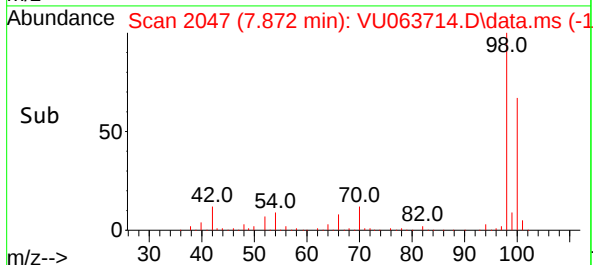
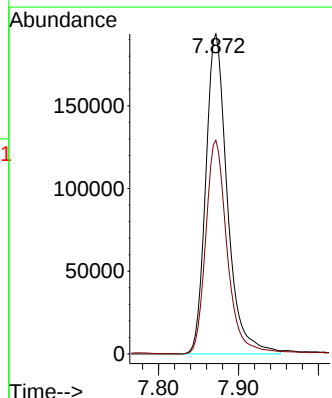
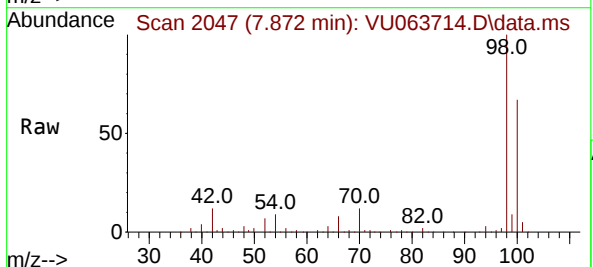
RT: 7.872 min Scan# 2047

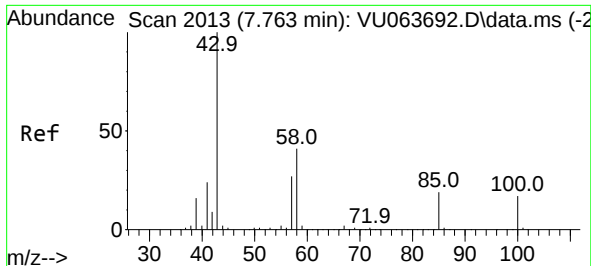
Delta R.T. -0.000 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Tgt Ion:	98	Resp:	363086
Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.5	78.7





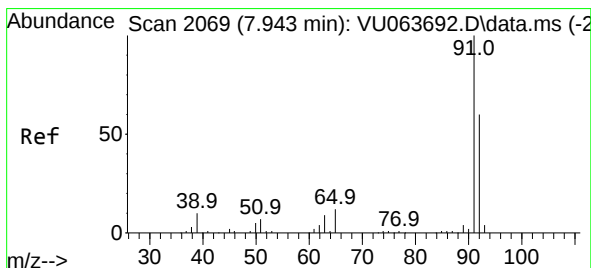
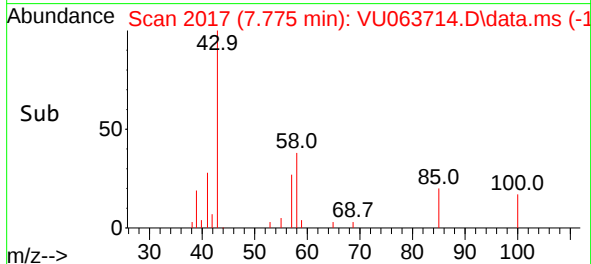
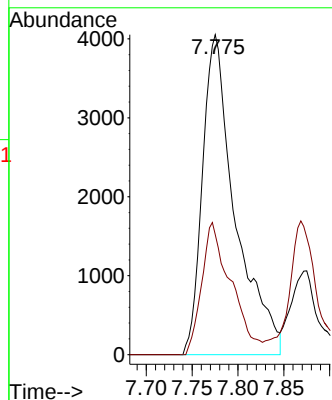
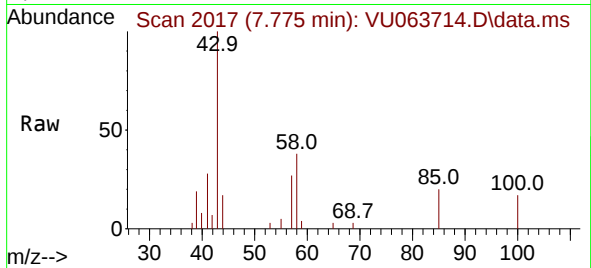
#51
4-Methyl-2-Pentanone
Concen: 2.807 ug/l
RT: 7.775 min Scan# 2017
Delta R.T. 0.013 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

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

Tgt Ion: 43 Resp: 1006
Ion Ratio Lower Upper
43 100
58 37.2 32.3 48.5

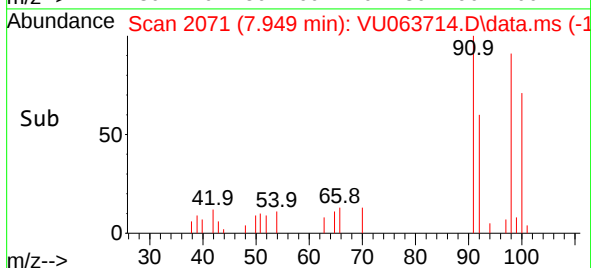
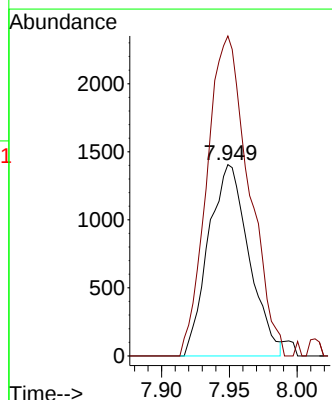
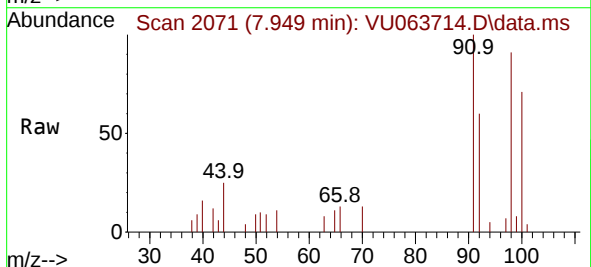
Manual Integrations
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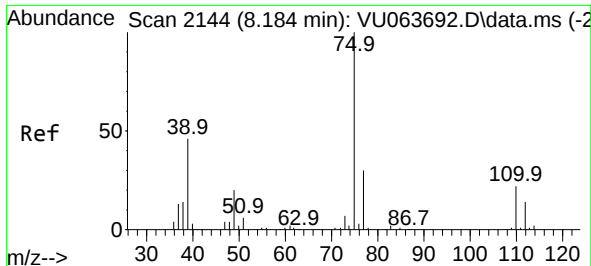
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#52
Toluene
Concen: 0.617 ug/l
RT: 7.949 min Scan# 2071
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

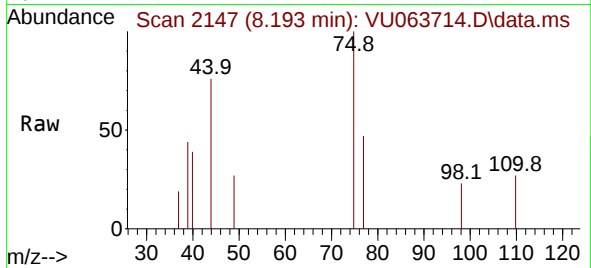
Tgt Ion: 92 Resp: 2918
Ion Ratio Lower Upper
92 100
91 173.6 136.6 204.8





#53
 t-1,3-Dichloropropene
 Concen: 0.471 ug/l
 RT: 8.193 min Scan# 2144
 Delta R.T. 0.009 min
 Lab File: VU063714.D
 Acq: 12 Nov 2025 12:41

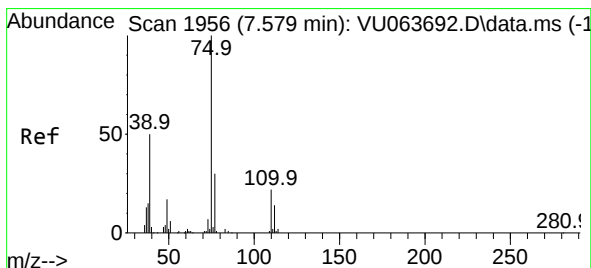
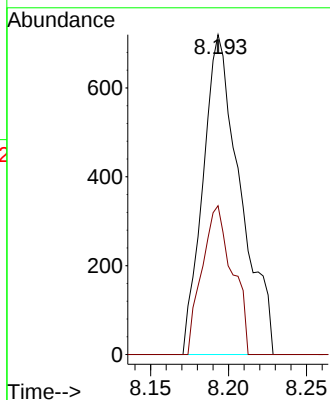
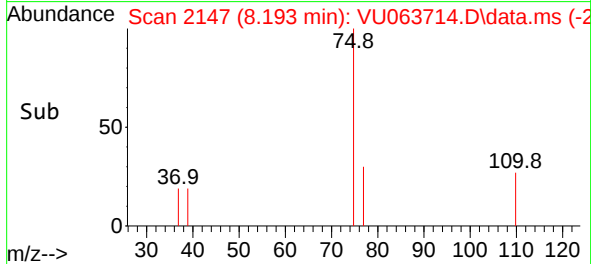
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025



Tgt Ion: 75 Resp: 1190
 Ion Ratio Lower Upper
 75 100
 77 46.5 24.3 36.5

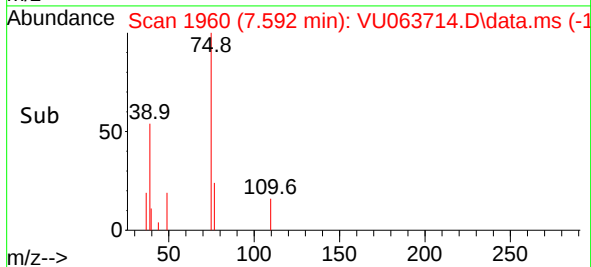
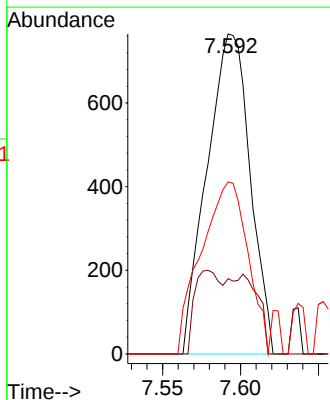
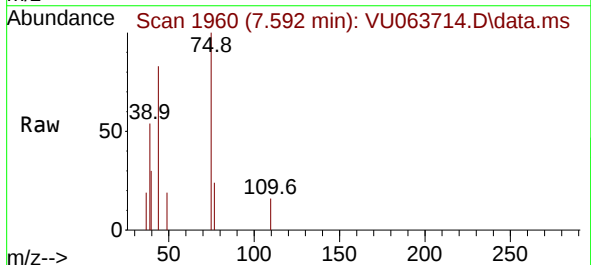
Manual Integrations
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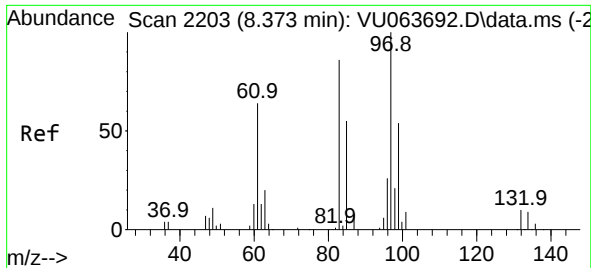
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#54
 cis-1,3-Dichloropropene
 Concen: 0.518 ug/l
 RT: 7.592 min Scan# 1960
 Delta R.T. 0.013 min
 Lab File: VU063714.D
 Acq: 12 Nov 2025 12:41

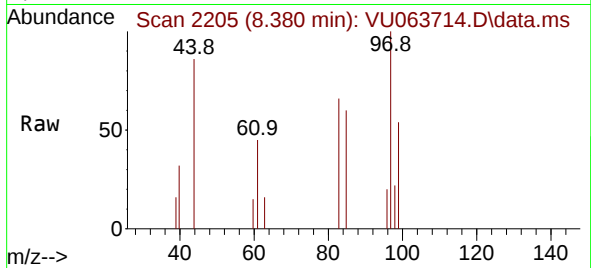
Tgt Ion: 75 Resp: 1473
 Ion Ratio Lower Upper
 75 100
 77 23.5 24.3 36.5#
 39 83.3 40.2 60.2#





#55
1,1,2-Trichloroethane
Concen: 0.611 ug/l
RT: 8.380 min Scan# 2187
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

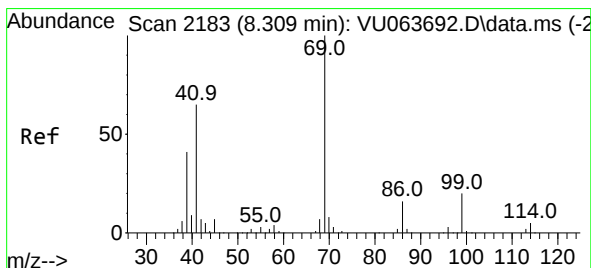
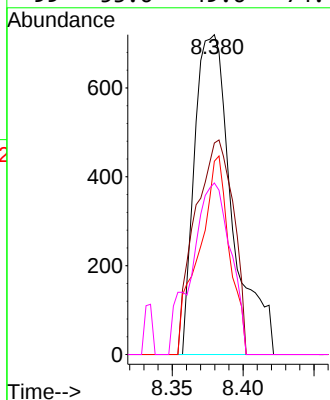
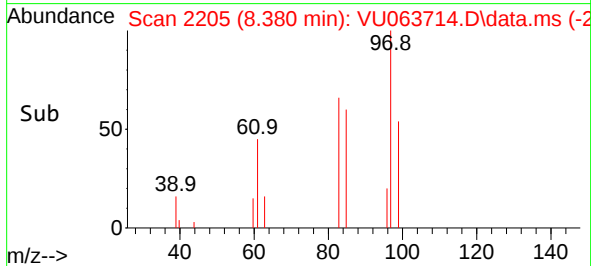
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



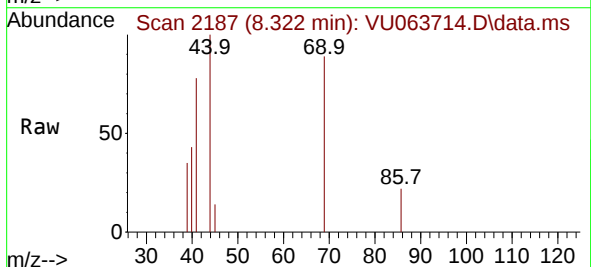
Tgt Ion	Ratio	Lower	Upper
97	100		
83	66.1	69.0	103.4
85	60.4	44.2	66.4
99	53.6	49.6	74.4

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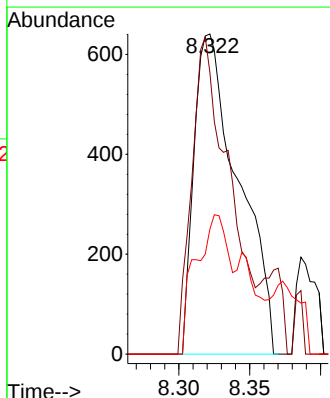
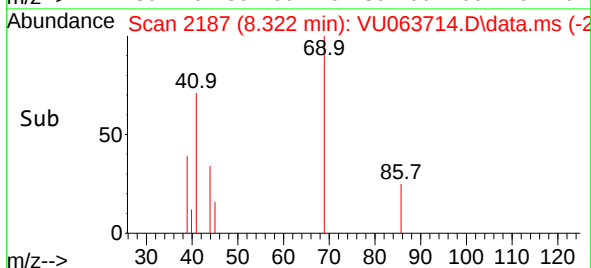
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

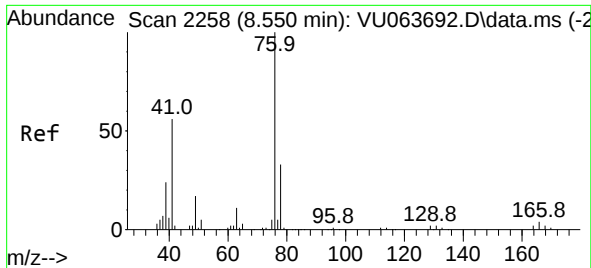


#56
Ethyl methacrylate
Concen: 0.436 ug/l
RT: 8.322 min Scan# 2187
Delta R.T. 0.013 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41



Tgt Ion	Ratio	Lower	Upper
69	100		
41	82.7	51.4	77.2
39	32.3	32.2	48.4





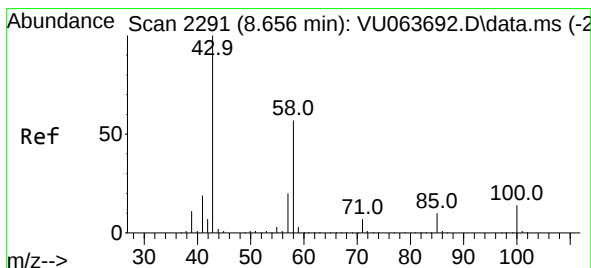
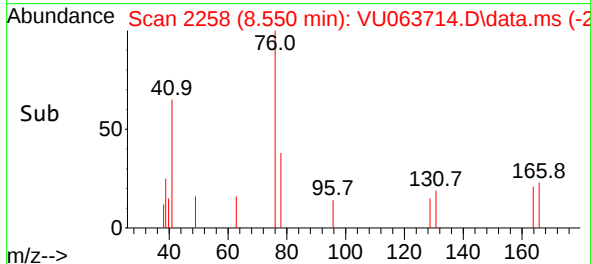
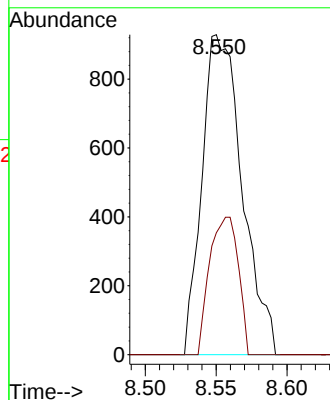
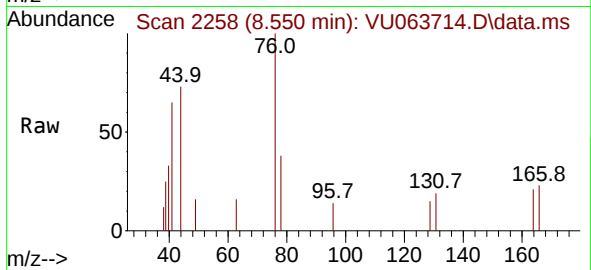
#57
1,3-Dichloropropane
Concen: 0.518 ug/l
RT: 8.550 min Scan# 210
Delta R.T. -0.000 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

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

Tgt Ion: 76 Resp: 1834
Ion Ratio Lower Upper
76 100
78 30.5 26.2 39.4

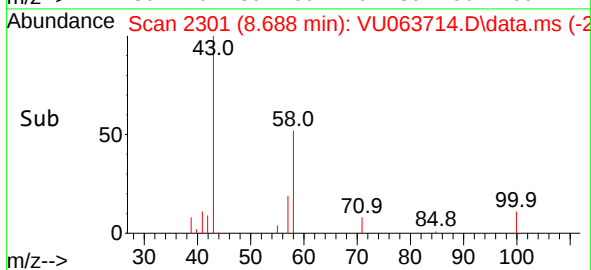
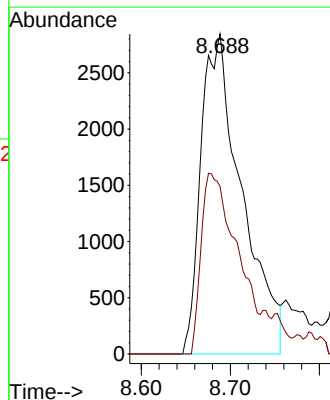
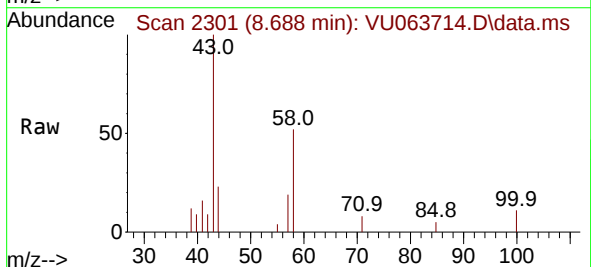
Manual Integrations
APPROVED

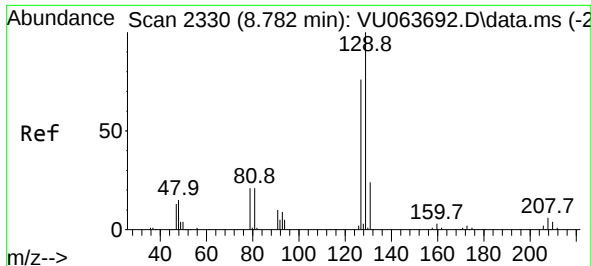
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#59
2-Hexanone
Concen: 3.384 ug/l
RT: 8.688 min Scan# 2301
Delta R.T. 0.032 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

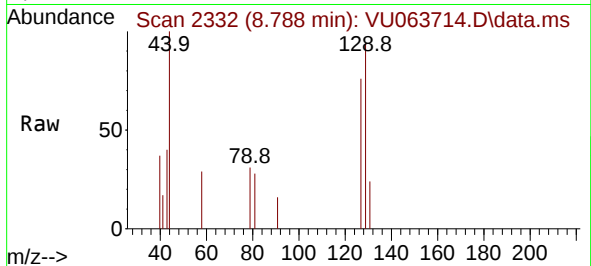
Tgt Ion: 43 Resp: 9040
Ion Ratio Lower Upper
43 100
58 50.0 28.4 85.3





#60
Dibromochloromethane
Concen: 0.435 ug/l
RT: 8.788 min Scan# 2330
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

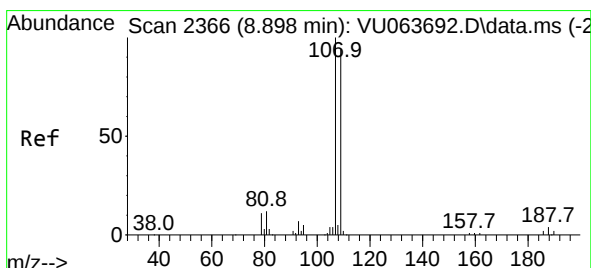
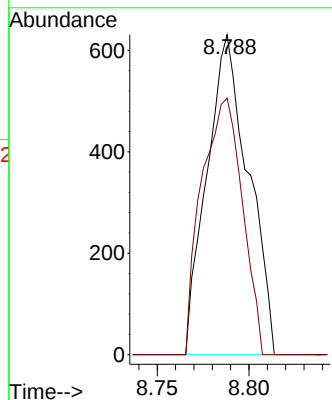
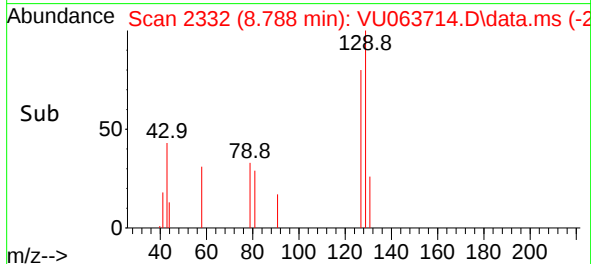
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



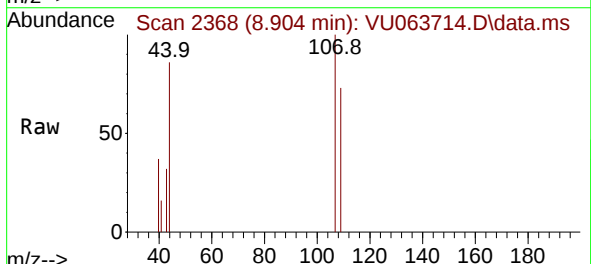
Tgt Ion:129 Resp: 989
Ion Ratio Lower Upper
129 100
127 78.8 38.2 114.6

Manual Integrations
APPROVED

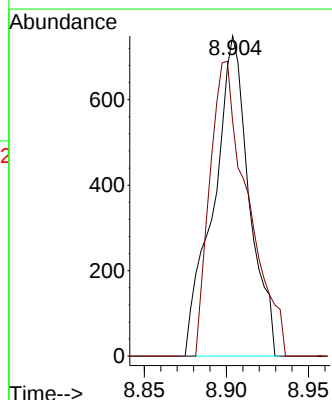
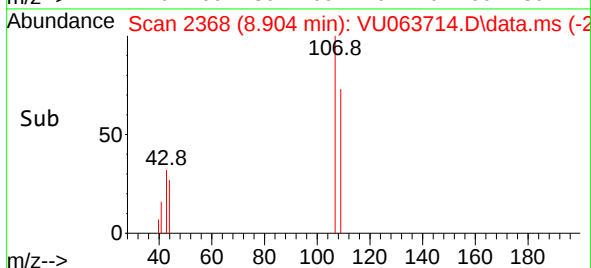
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

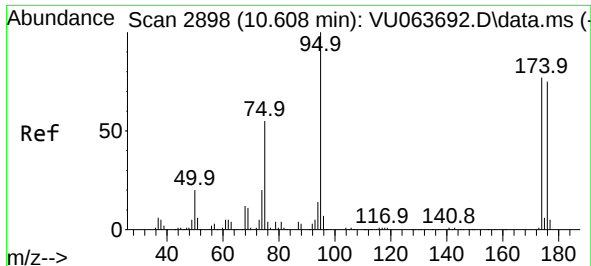


#61
1,2-Dibromoethane
Concen: 0.539 ug/l
RT: 8.904 min Scan# 2368
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41



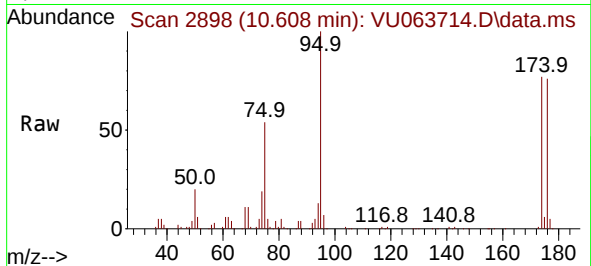
Tgt Ion:107 Resp: 1128
Ion Ratio Lower Upper
107 100
109 98.6 73.8 110.8





#62
4-Bromofluorobenzene
Concen: 46.121 ug/l
RT: 10.608 min Scan# 2898
Delta R.T. -0.000 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

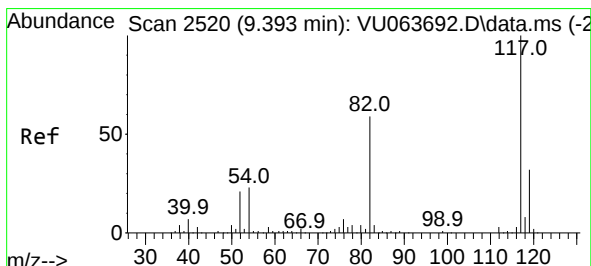
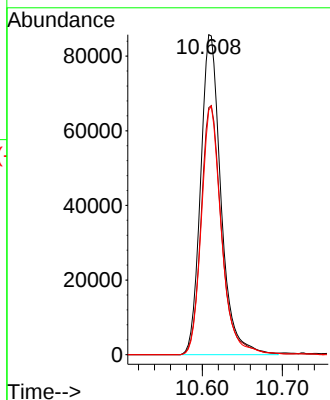
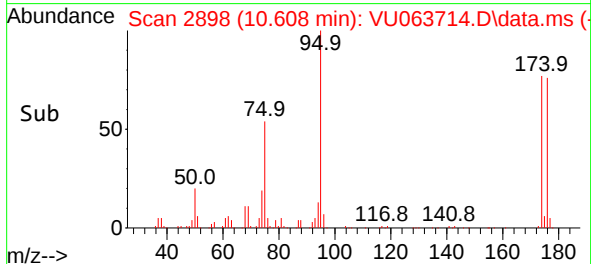
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 95 Resp: 15207
Ion Ratio Lower Upper
95 100
174 78.7 0.0 154.6
176 76.8 0.0 148.4

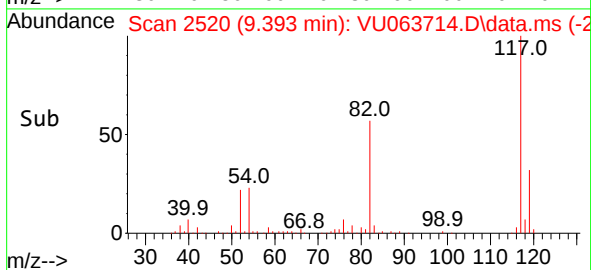
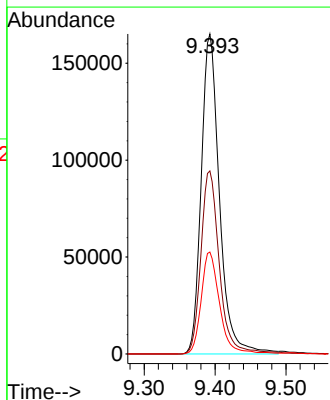
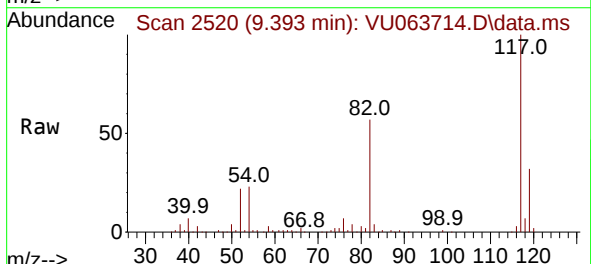
Manual Integrations
APPROVED

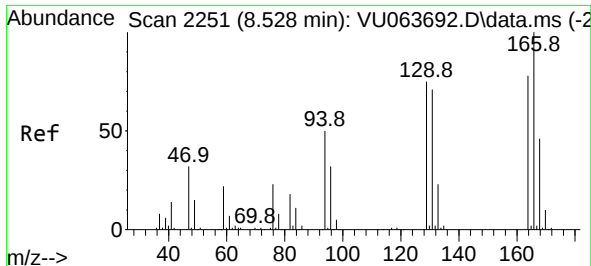
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.393 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

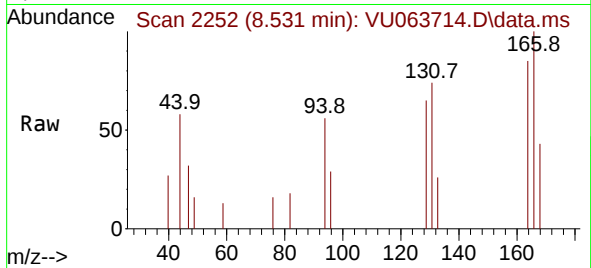
Tgt Ion:117 Resp: 295198
Ion Ratio Lower Upper
117 100
82 57.2 46.9 70.3
119 31.8 25.8 38.8





#64
Tetrachloroethene
Concen: 0.758 ug/l
RT: 8.531 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

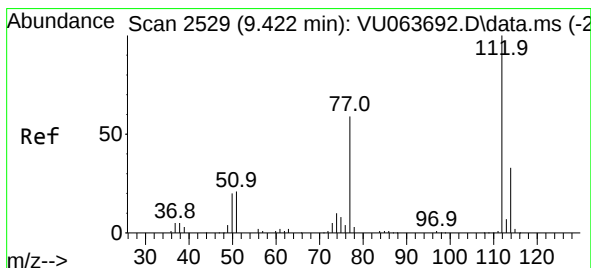
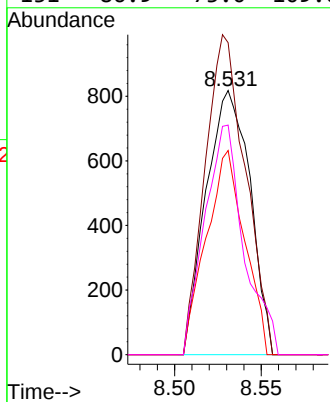
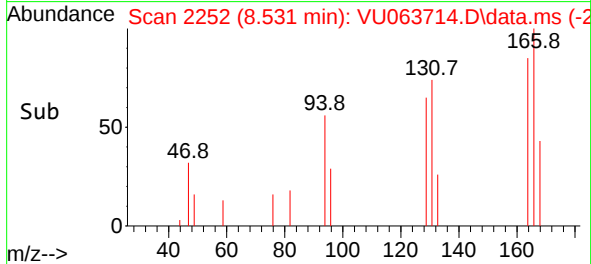
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



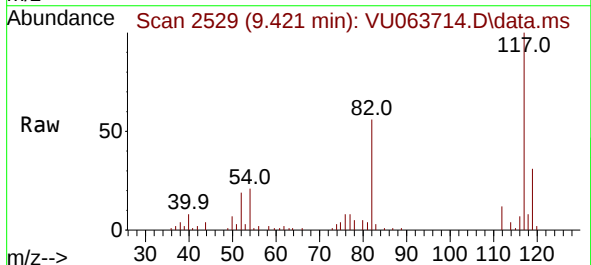
Tgt Ion:164 Resp: 144
Ion Ratio Lower Upper
164 100
166 118.1 102.5 153.7
129 77.3 77.1 115.7
131 86.9 73.0 109.6

Manual Integrations
APPROVED

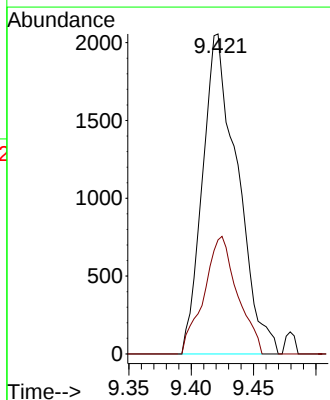
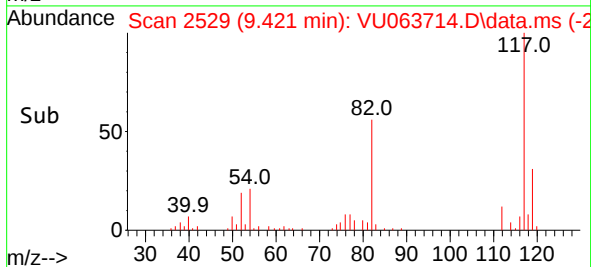
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

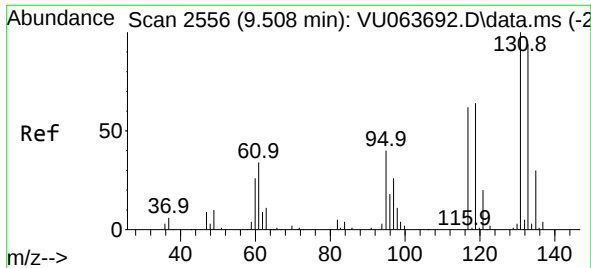


#65
Chlorobenzene
Concen: 0.693 ug/l
RT: 9.421 min Scan# 2529
Delta R.T. -0.000 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41



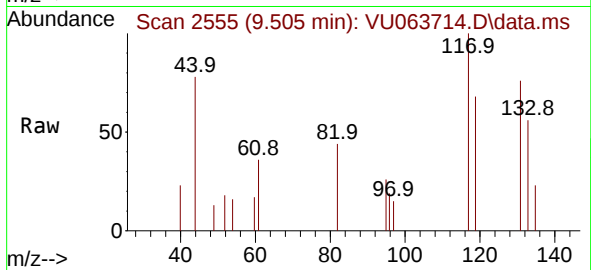
Tgt Ion:112 Resp: 3996
Ion Ratio Lower Upper
112 100
114 35.7 26.2 39.2





#66
1,1,1,2-Tetrachloroethane
Concen: 0.524 ug/l
RT: 9.505 min Scan# 2555
Delta R.T. -0.003 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

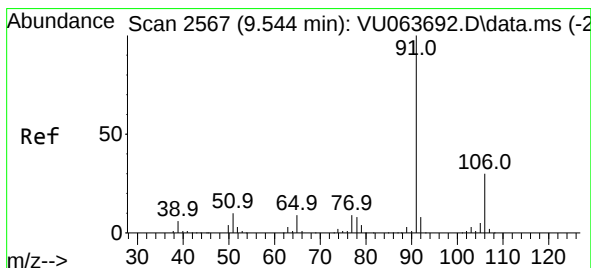
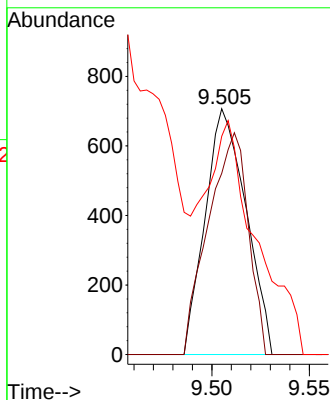
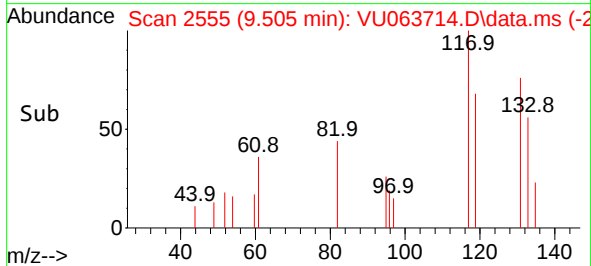
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion:131 Resp: 1029
Ion Ratio Lower Upper
131 100
133 88.1 47.5 142.5
119 0.0 33.3 99.8

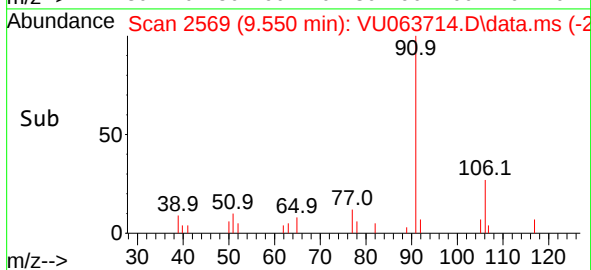
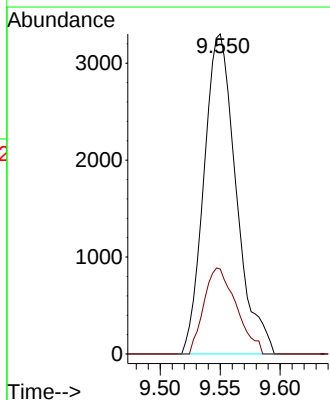
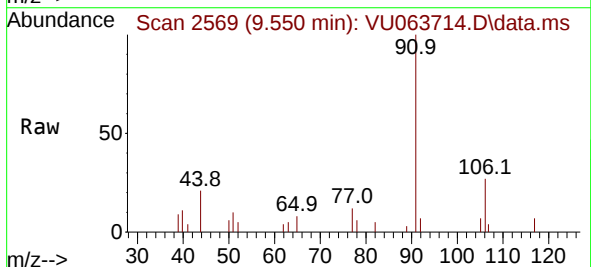
Manual Integrations
APPROVED

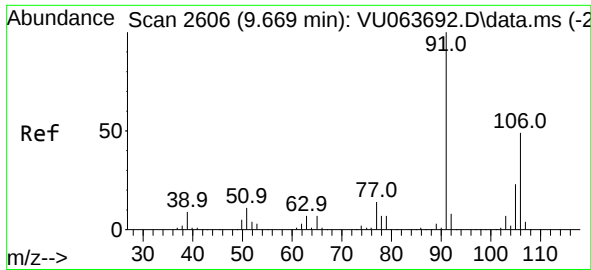
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#67
Ethyl Benzene
Concen: 0.640 ug/l
RT: 9.550 min Scan# 2569
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

Tgt Ion: 91 Resp: 6147
Ion Ratio Lower Upper
91 100
106 26.5 23.8 35.8





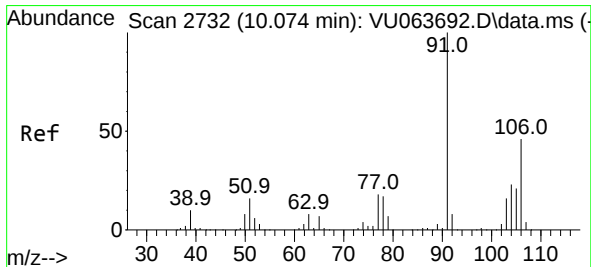
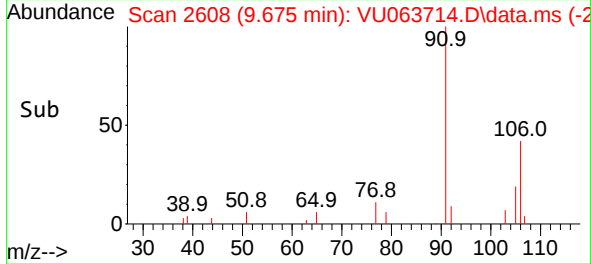
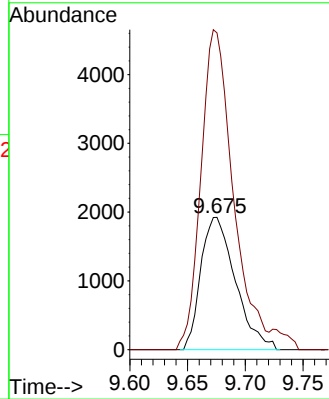
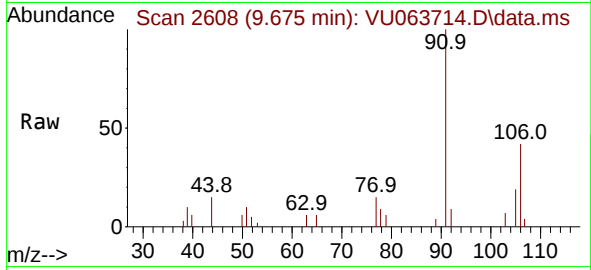
#68
m/p-Xylenes
Concen: 1.128 ug/l
RT: 9.675 min Scan# 2606
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

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

Tgt Ion:106 Resp: 400
Ion Ratio Lower Upper
106 100
91 224.9 165.7 248.5

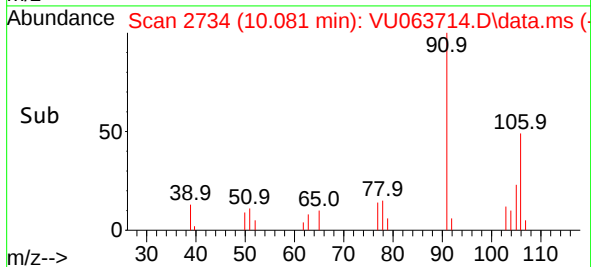
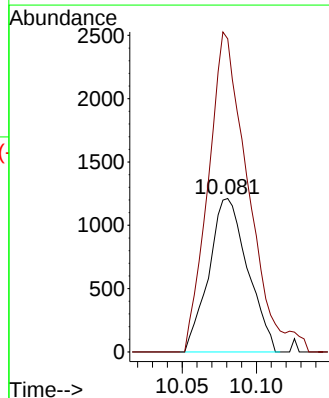
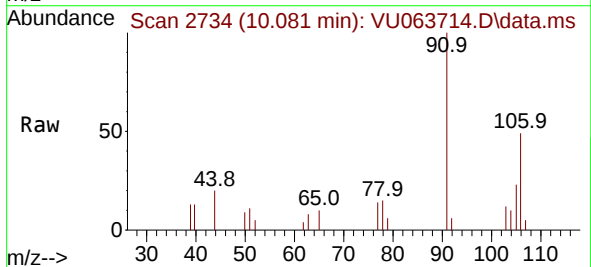
Manual Integrations
APPROVED

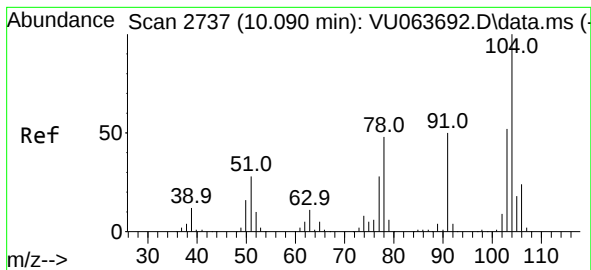
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#69
o-Xylene
Concen: 0.601 ug/l
RT: 10.081 min Scan# 2734
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

Tgt Ion:106 Resp: 2200
Ion Ratio Lower Upper
106 100
91 213.7 108.7 325.9





#70

Styrene

Concen: 0.607 ug/l

RT: 10.103 min Scan# 2741

Delta R.T. 0.013 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

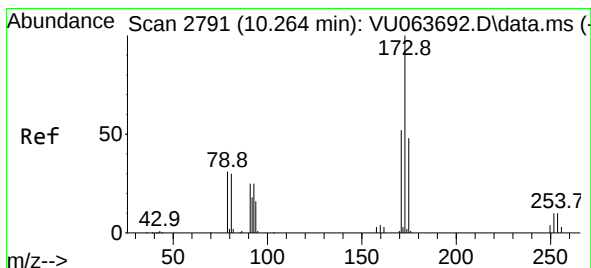
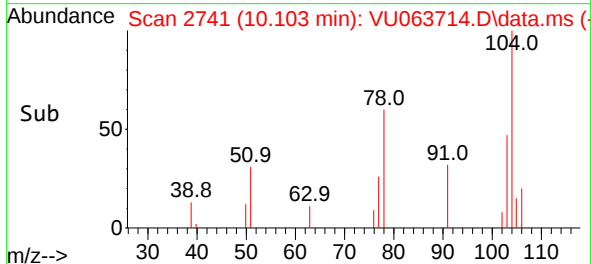
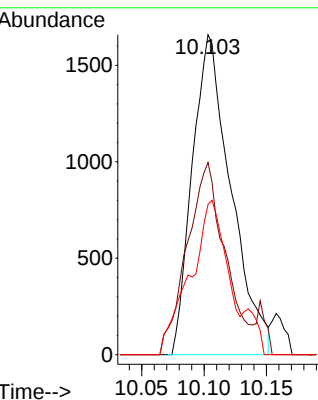
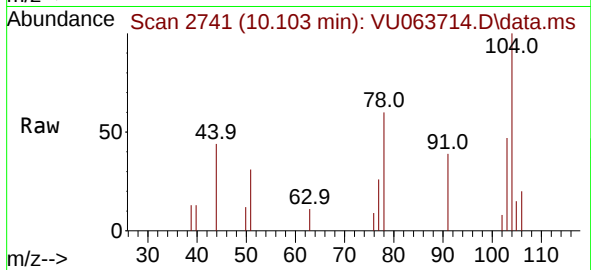
Tgt Ion:104	Resp:	3570
Ion Ratio	Lower	Upper
104	100	
78	59.4	42.7 64.1
103	45.8	44.0 66.0

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#71

Bromoform

Concen: 0.569 ug/l

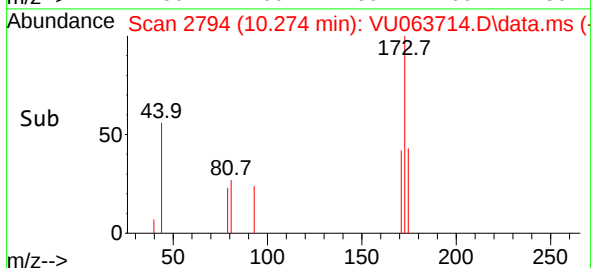
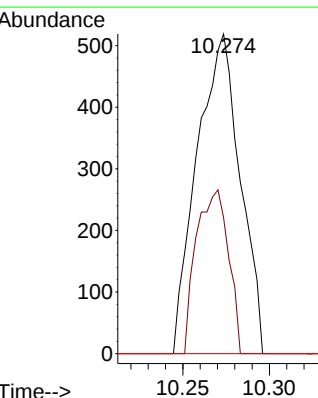
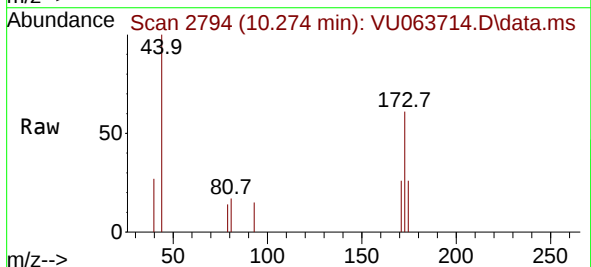
RT: 10.274 min Scan# 2794

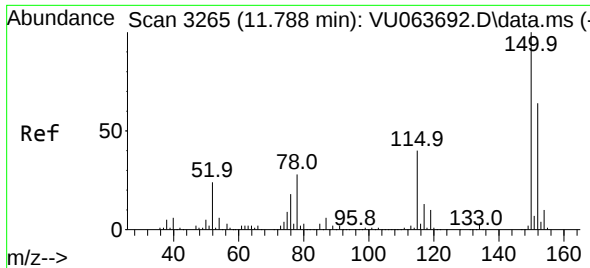
Delta R.T. 0.009 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

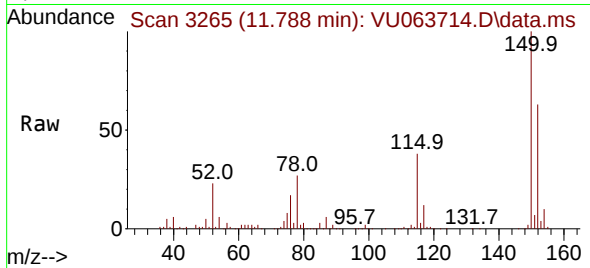
Tgt Ion:173	Resp:	899
Ion Ratio	Lower	Upper
173	100	
175	37.9	24.1 72.2
254	0.0	0.0 0.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.788 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

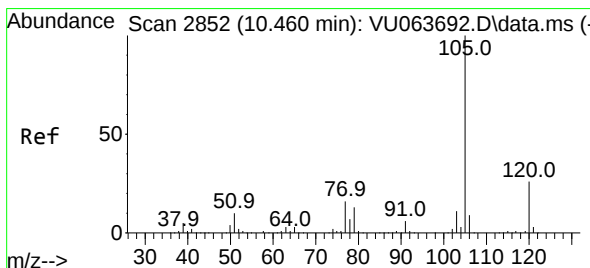
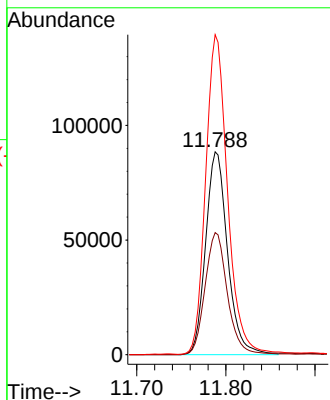
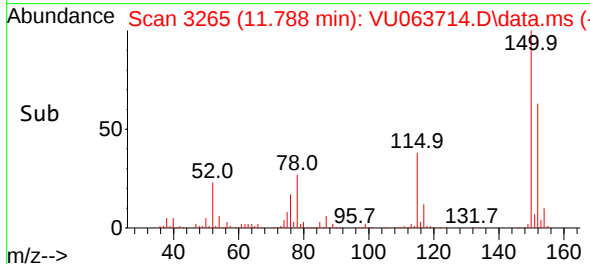
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



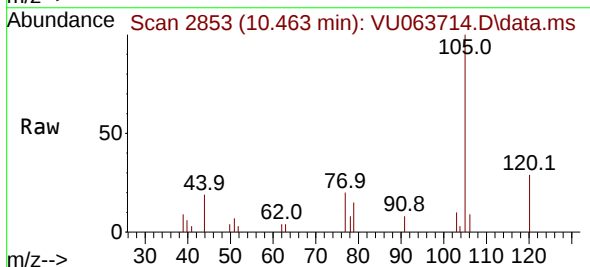
Tgt Ion:152 Resp: 151244
Ion Ratio Lower Upper
152 100
115 61.4 41.0 123.0
150 157.5 0.0 342.2

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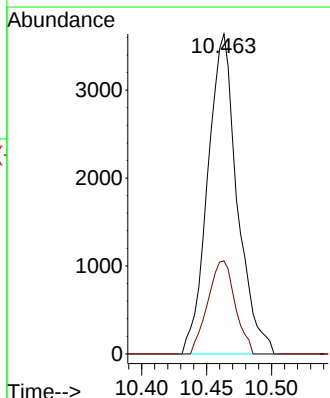
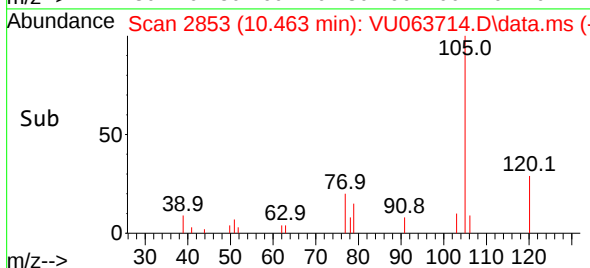
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

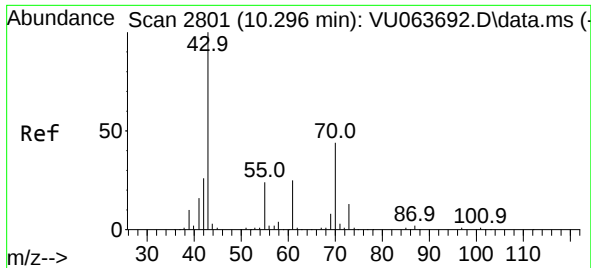


#73
Isopropylbenzene
Concen: 0.605 ug/l
RT: 10.463 min Scan# 2853
Delta R.T. 0.003 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41



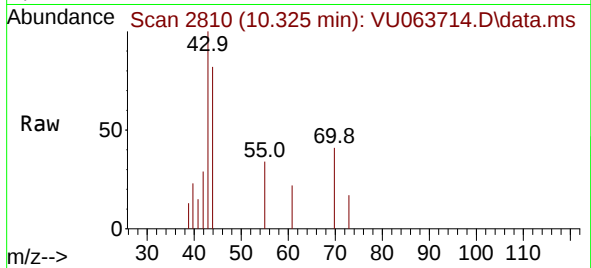
Tgt Ion:105 Resp: 5747
Ion Ratio Lower Upper
105 100
120 26.9 13.0 38.9





#74
N-amy1 acetate
Concen: 0.815 ug/l m
RT: 10.325 min Scan# 2810
Delta R.T. 0.029 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

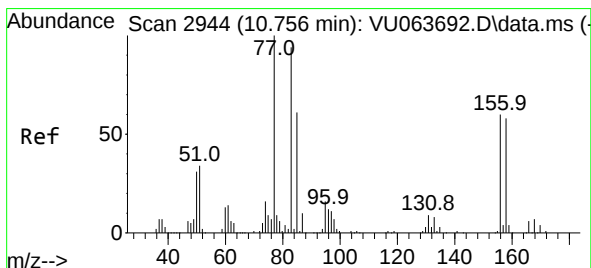
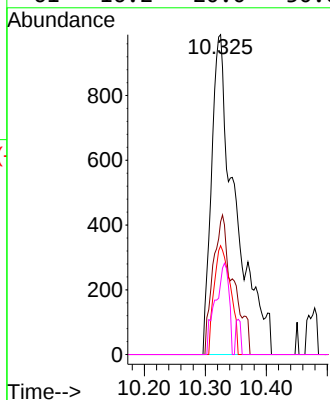
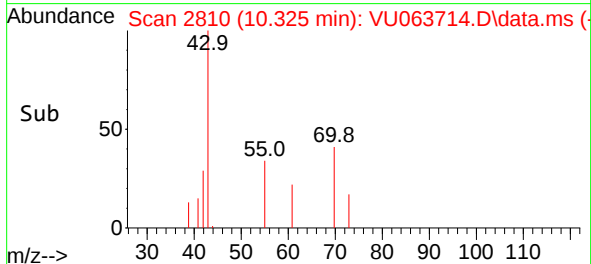
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 43 Resp: 2699
Ion Ratio Lower Upper
43 100
70 36.9 36.5 54.7
55 23.0 20.6 30.8
61 16.2 20.0 30.0#

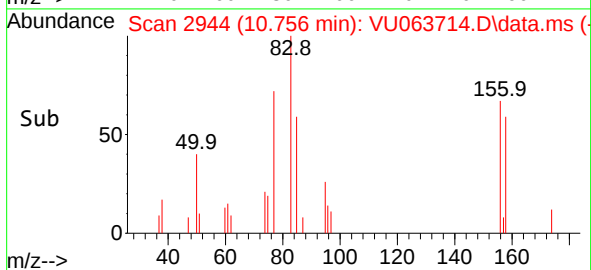
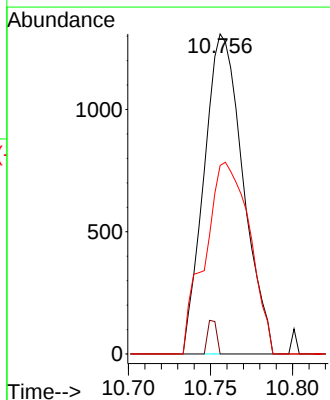
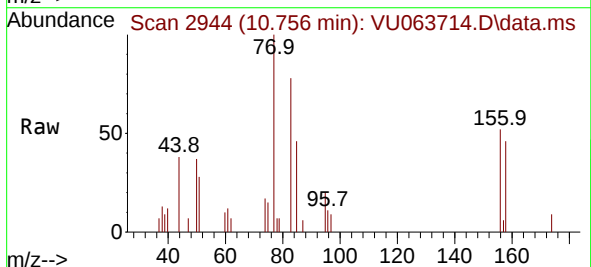
Manual Integrations
APPROVED

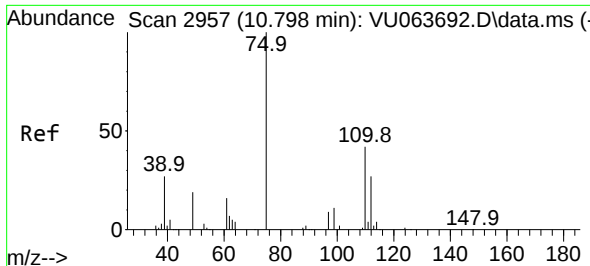
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#75
1,1,2,2-Tetrachloroethane
Concen: 0.592 ug/l
RT: 10.756 min Scan# 2944
Delta R.T. -0.000 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

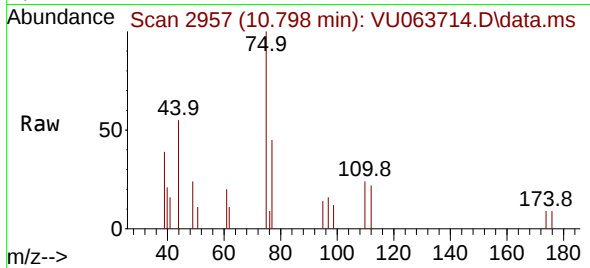
Tgt Ion: 83 Resp: 2159
Ion Ratio Lower Upper
83 100
131 2.4 4.8 14.4#
85 68.8 31.9 95.7





#76
1,2,3-Trichloropropane
Concen: 0.654 ug/l m
RT: 10.798 min Scan# 2957
Delta R.T. -0.000 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

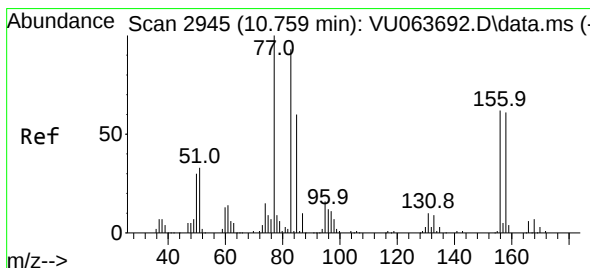
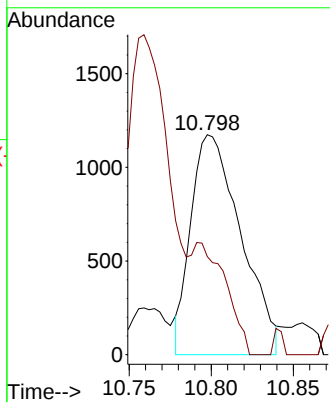
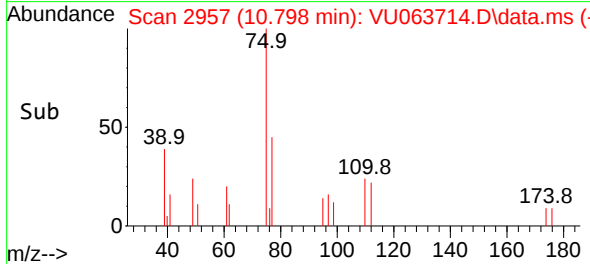
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



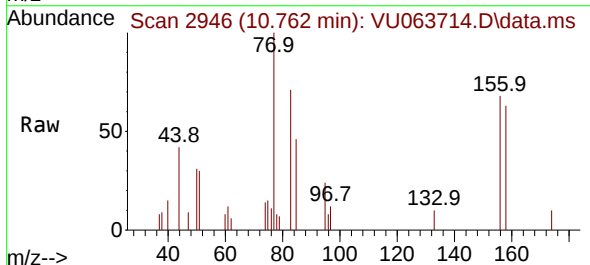
Tgt Ion: 75 Resp: 249
Ion Ratio Lower Upper
75 100
77 37.7 0.0 0.0

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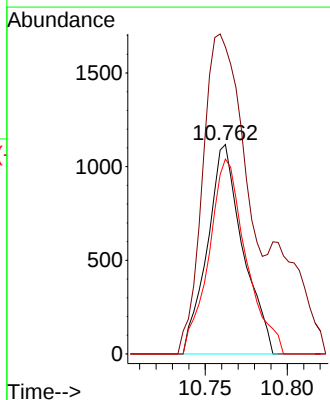
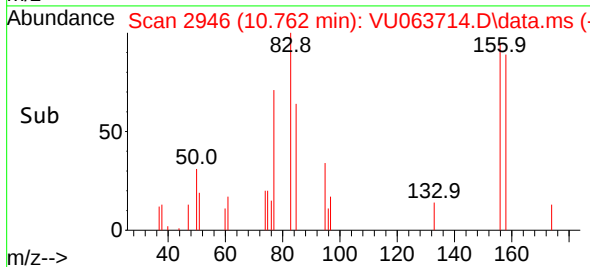
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

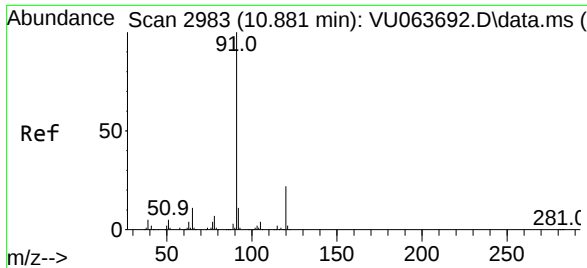


#77
Bromobenzene
Concen: 0.703 ug/l
RT: 10.762 min Scan# 2946
Delta R.T. 0.003 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41



Tgt Ion:156 Resp: 1680
Ion Ratio Lower Upper
156 100
77 182.7 81.4 244.2
158 97.4 48.8 146.3





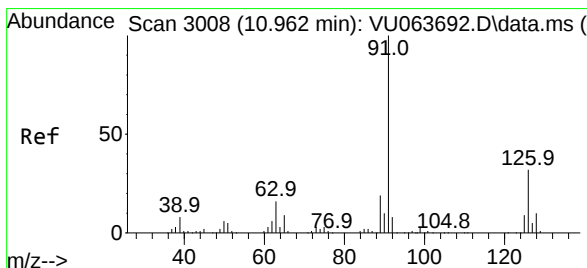
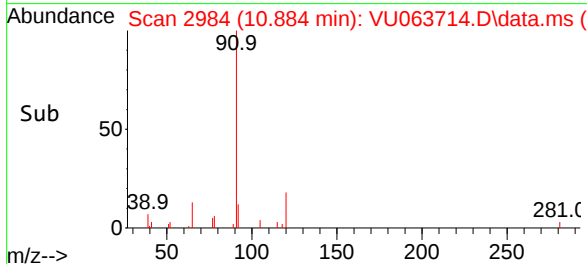
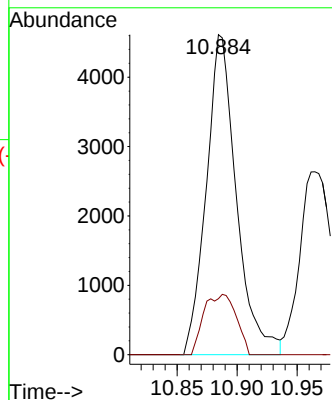
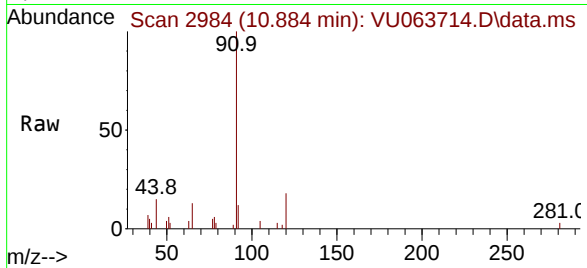
#78
n-propylbenzene
Concen: 0.739 ug/l
RT: 10.884 min Scan# 2983
Delta R.T. 0.003 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

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

Tgt Ion: 91 Resp: 8050
Ion Ratio Lower Upper
91 100
120 20.2 11.2 33.6

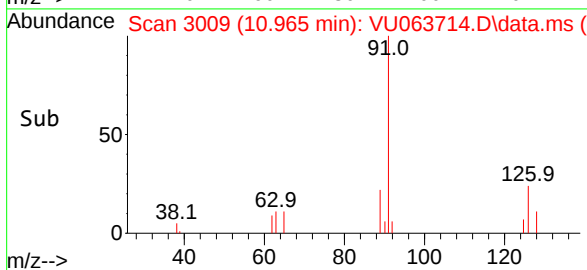
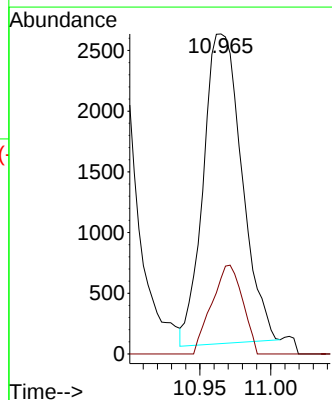
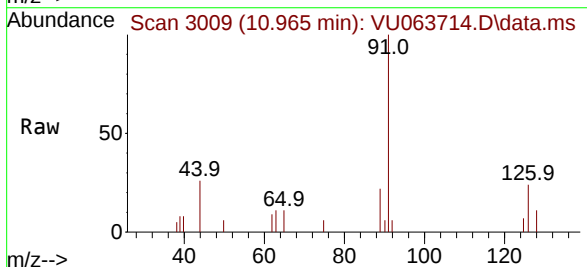
Manual Integrations
APPROVED

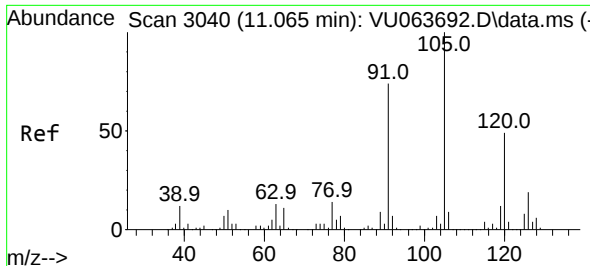
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#79
2-Chlorotoluene
Concen: 0.684 ug/l
RT: 10.965 min Scan# 3009
Delta R.T. 0.003 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

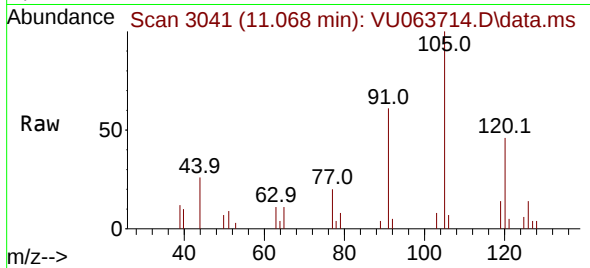
Tgt Ion: 91 Resp: 4821
Ion Ratio Lower Upper
91 100
126 22.9 16.4 49.1





#80
1,3,5-Trimethylbenzene
Concen: 0.607 ug/l
RT: 11.068 min Scan# 3040
Delta R.T. 0.003 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

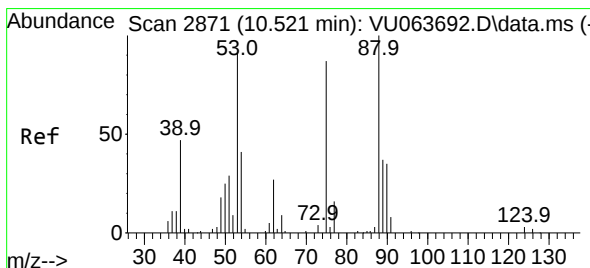
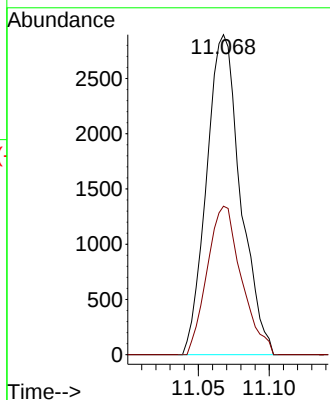
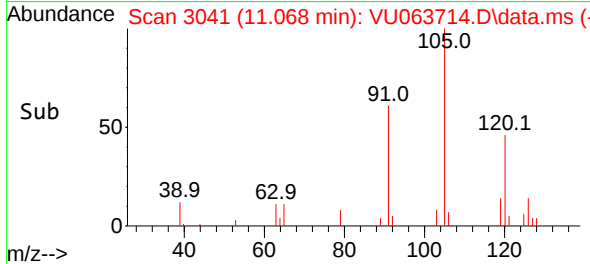
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:105 Resp: 4840
Ion Ratio Lower Upper
105 100
120 46.8 24.1 72.2

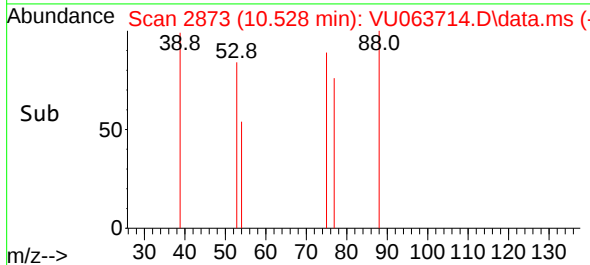
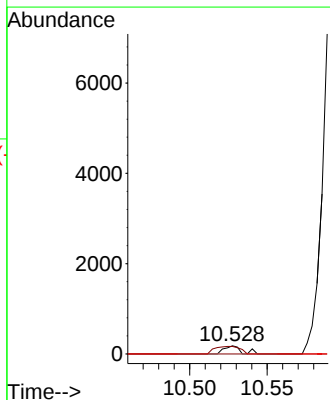
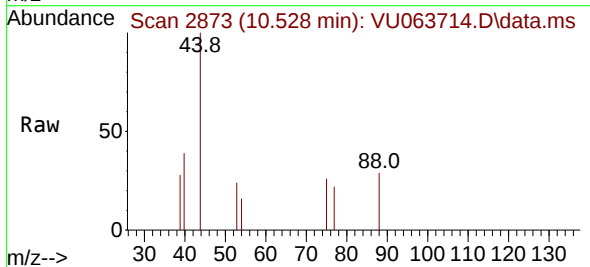
Manual Integrations
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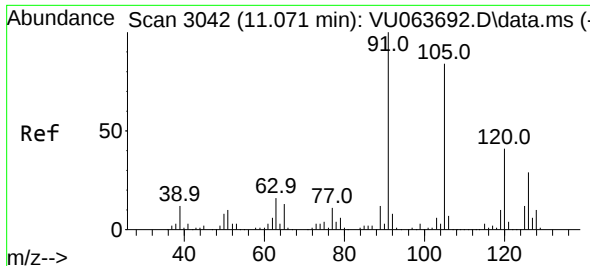
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#81
trans-1,4-Dichloro-2-butene
Concen: 0.186 ug/l m
RT: 10.528 min Scan# 2873
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

Tgt Ion: 75 Resp: 133
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 35.2 52.8#





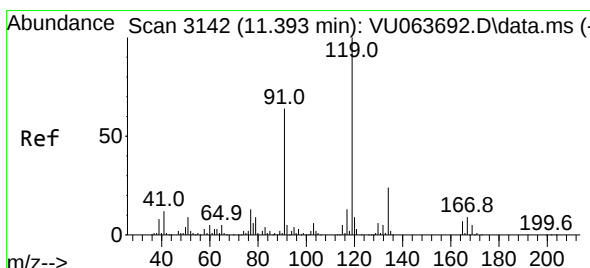
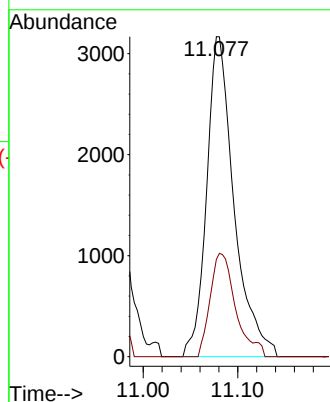
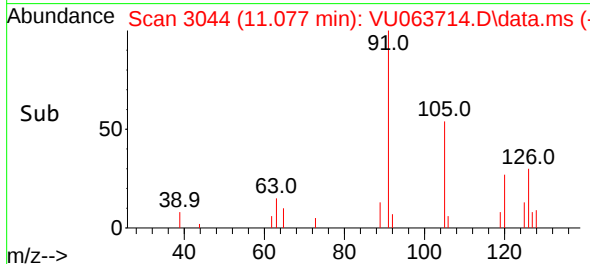
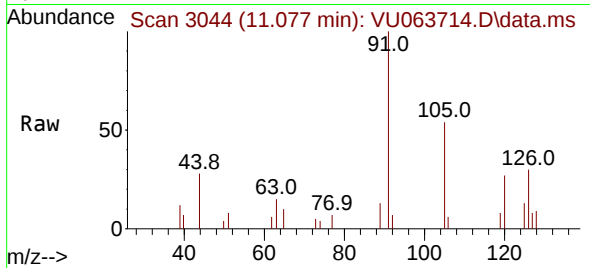
#82
4-Chlorotoluene
Concen: 0.797 ug/l
RT: 11.077 min Scan# 3042
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

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

Tgt Ion: 91 Resp: 638
Ion Ratio Lower Upper
91 100
126 30.0 14.2 42.8

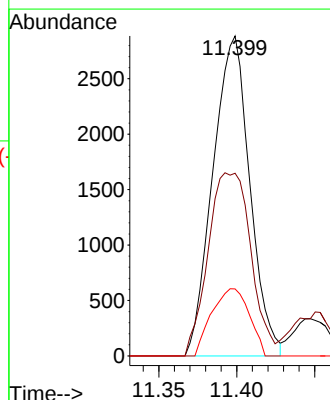
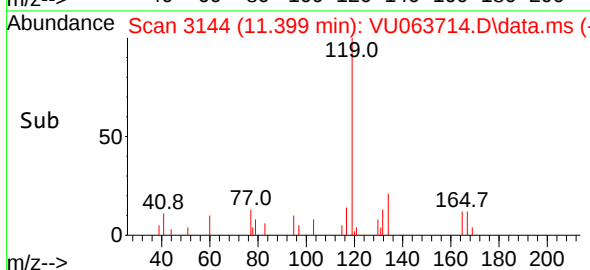
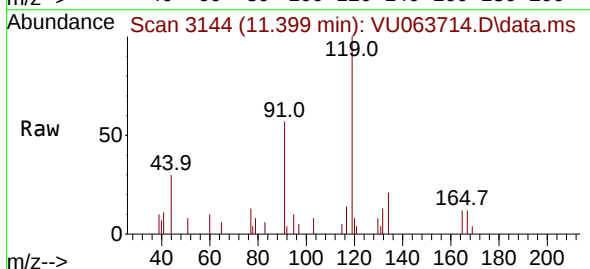
Manual Integrations
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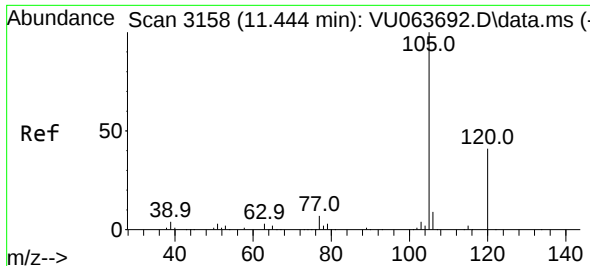
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#83
tert-Butylbenzene
Concen: 0.573 ug/l
RT: 11.399 min Scan# 3144
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

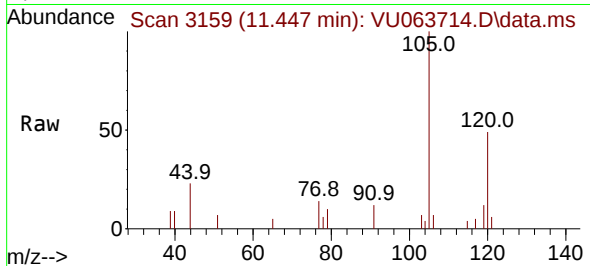
Tgt Ion:119 Resp: 4755
Ion Ratio Lower Upper
119 100
91 66.1 30.8 92.3
134 21.3 11.9 35.5





#84
1,2,4-Trimethylbenzene
Concen: 0.650 ug/l
RT: 11.447 min Scan# 3158
Delta R.T. 0.003 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

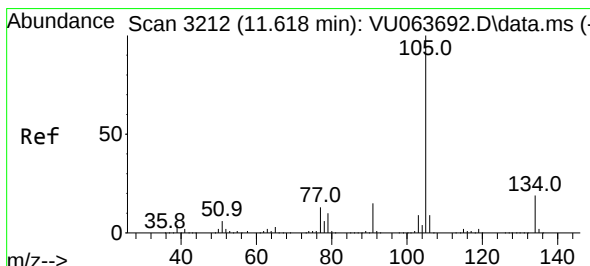
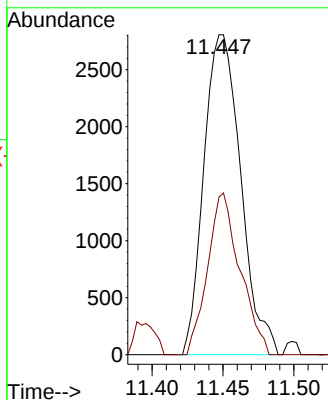
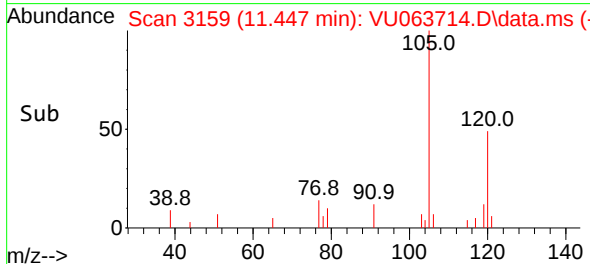
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



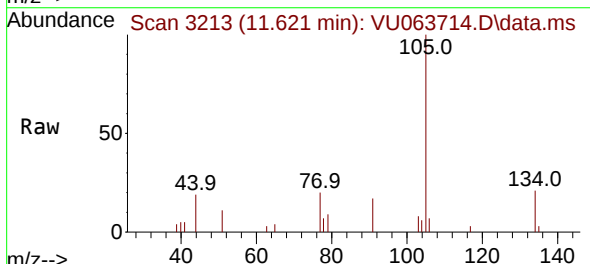
Tgt Ion:105 Resp: 5084
Ion Ratio Lower Upper
105 100
120 44.4 22.4 67.3

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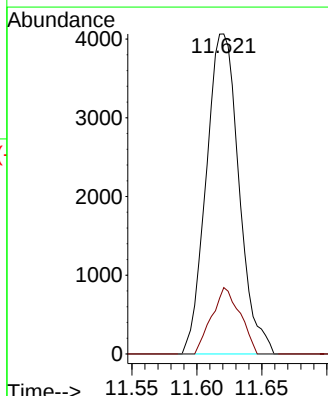
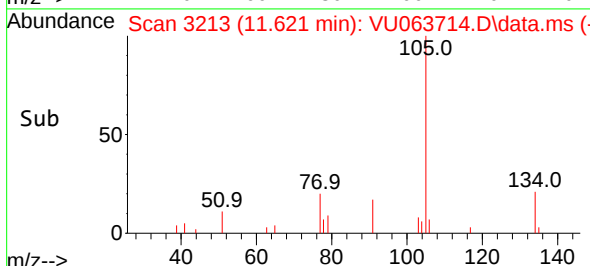
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

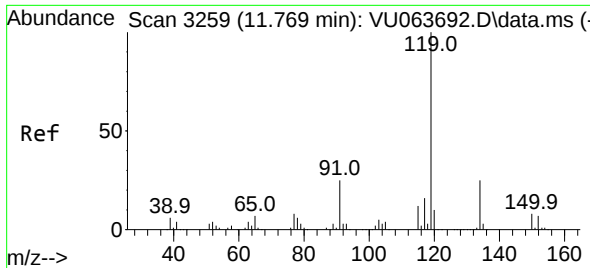


#85
sec-Butylbenzene
Concen: 0.680 ug/l
RT: 11.621 min Scan# 3213
Delta R.T. 0.003 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41



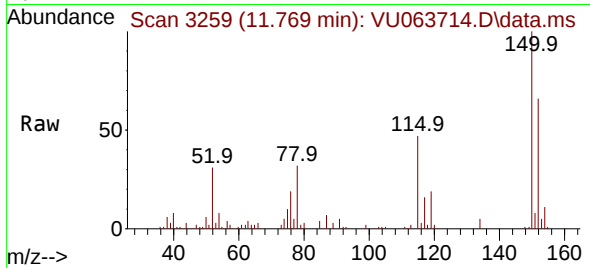
Tgt Ion:105 Resp: 7130
Ion Ratio Lower Upper
105 100
134 17.9 9.8 29.4





#86
 p-Isopropyltoluene
 Concen: 0.736 ug/l
 RT: 11.769 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU063714.D
 Acq: 12 Nov 2025 12:41

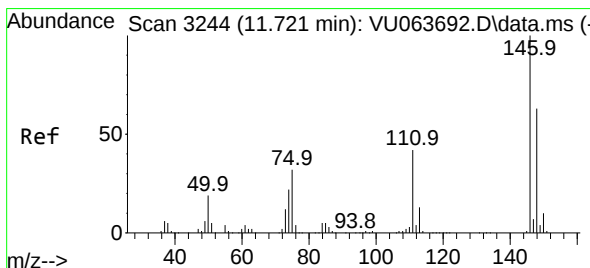
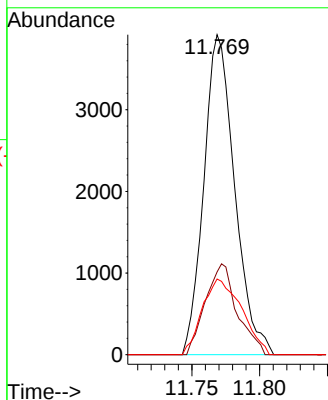
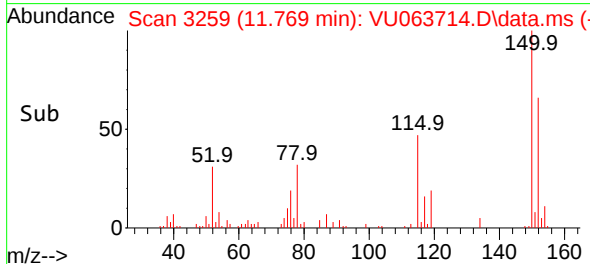
Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025



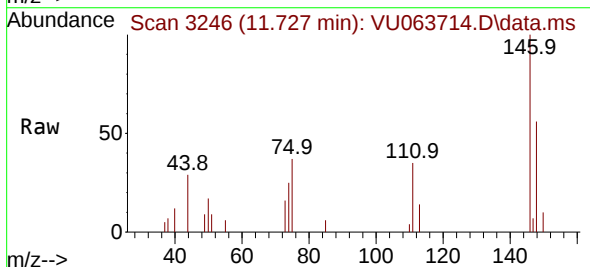
Tgt Ion:119 Resp: 619
 Ion Ratio Lower Upper
 119 100
 134 29.2 12.6 37.6
 91 30.2 12.6 37.8

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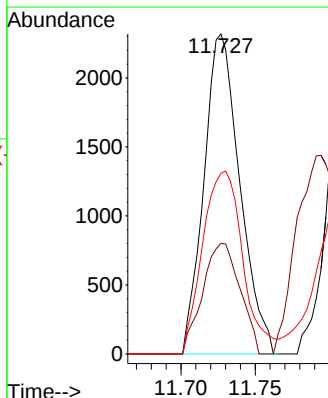
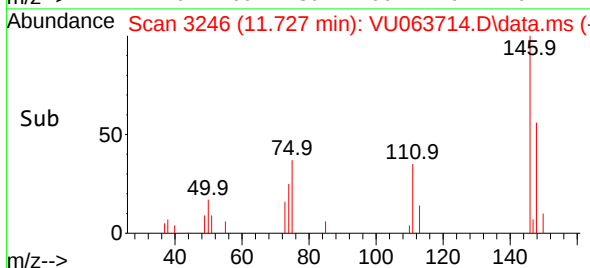
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

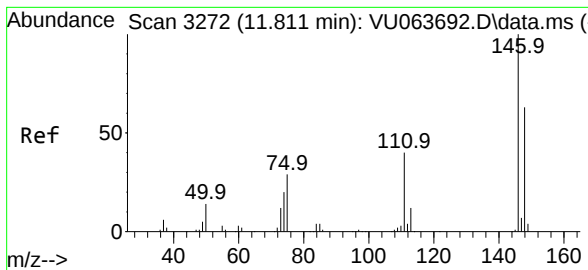


#87
 1,3-Dichlorobenzene
 Concen: 0.869 ug/l
 RT: 11.727 min Scan# 3246
 Delta R.T. 0.006 min
 Lab File: VU063714.D
 Acq: 12 Nov 2025 12:41



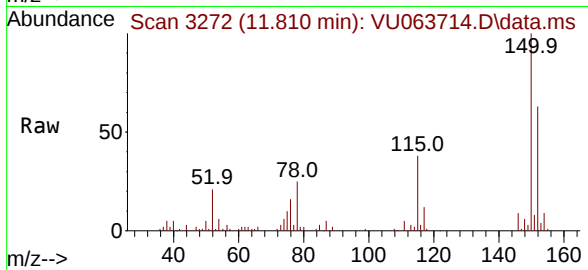
Tgt Ion:146 Resp: 3905
 Ion Ratio Lower Upper
 146 100
 111 35.9 20.6 61.8
 148 64.1 31.8 95.4





#88
1,4-Dichlorobenzene
Concen: 0.960 ug/l m
RT: 11.810 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

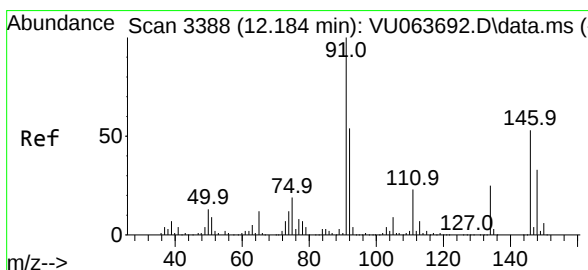
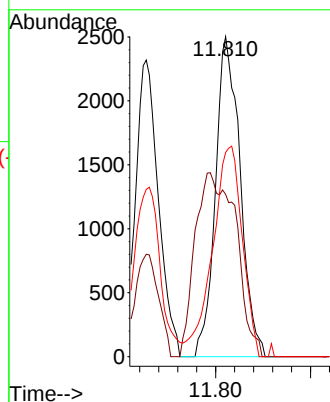
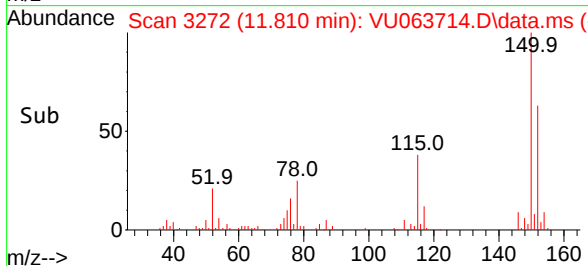
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:146 Resp: 451
Ion Ratio Lower Upper
146 100
111 31.1 20.4 61.3
148 55.5 31.4 94.3

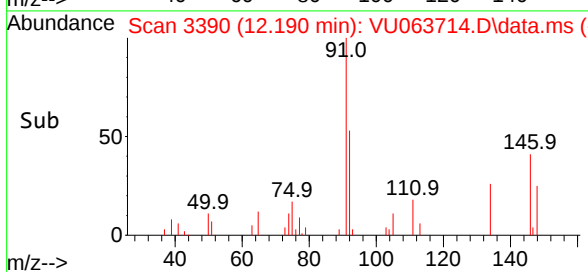
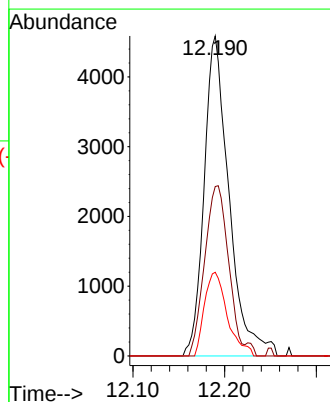
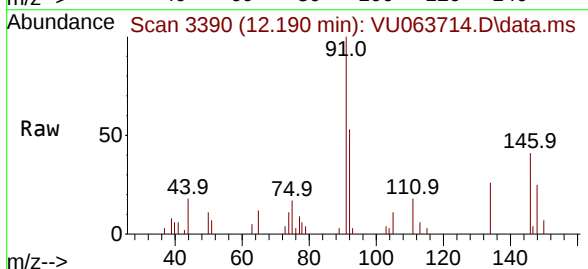
Manual Integrations
APPROVED

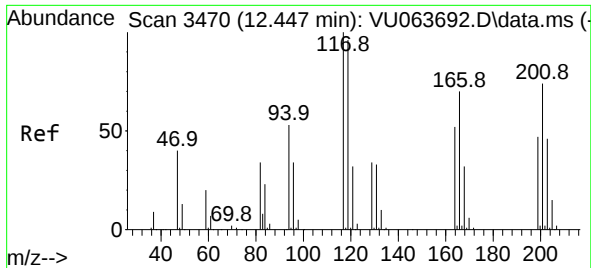
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#89
n-Butylbenzene
Concen: 1.121 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

Tgt Ion: 91 Resp: 8663
Ion Ratio Lower Upper
91 100
92 50.7 27.0 81.0
134 23.9 12.4 37.4





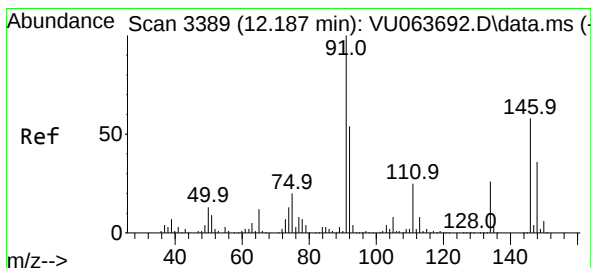
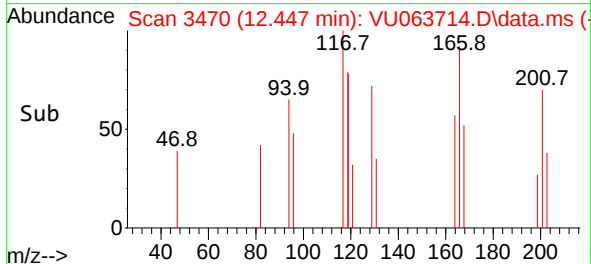
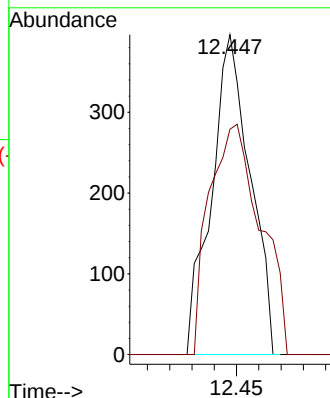
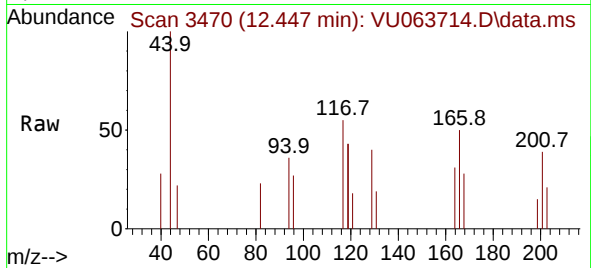
#90
Hexachloroethane
Concen: 0.373 ug/l
RT: 12.447 min Scan# 3470
Delta R.T. -0.000 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

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

Tgt Ion:117 Resp: 479
Ion Ratio Lower Upper
117 100
201 95.4 36.6 109.8

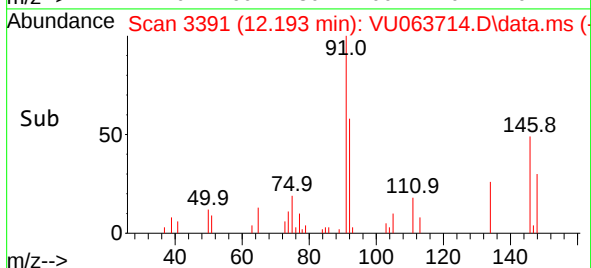
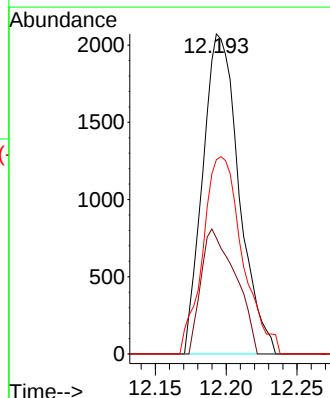
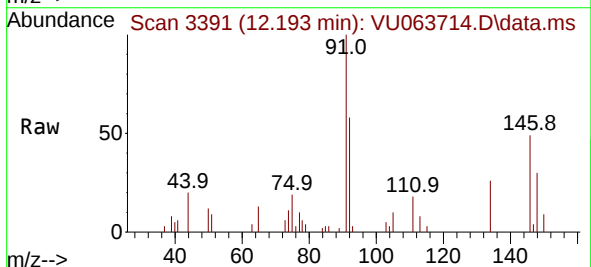
Manual Integrations
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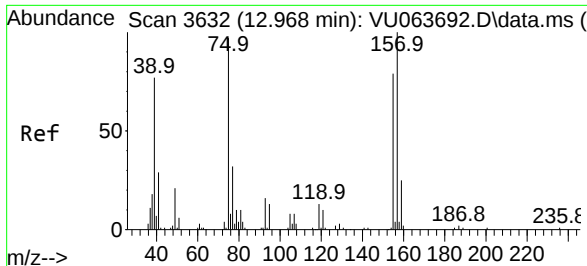
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#91
1,2-Dichlorobenzene
Concen: 0.822 ug/l
RT: 12.193 min Scan# 3391
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

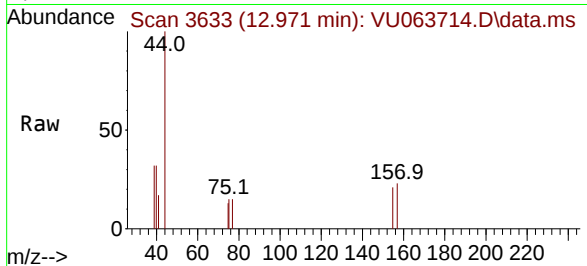
Tgt Ion:146 Resp: 3687
Ion Ratio Lower Upper
146 100
111 37.3 21.8 65.3
148 67.3 31.6 94.7





#92
1,2-Dibromo-3-Chloropropane
Concen: 0.559 ug/l m
RT: 12.971 min Scan# 3633
Delta R.T. 0.003 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

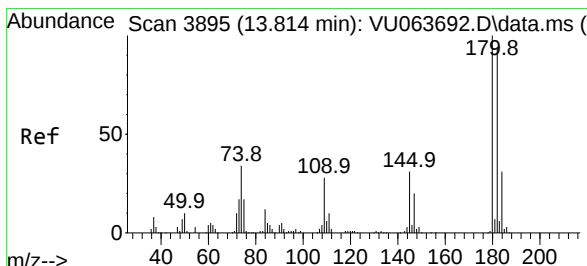
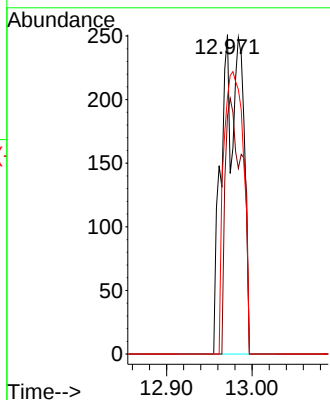
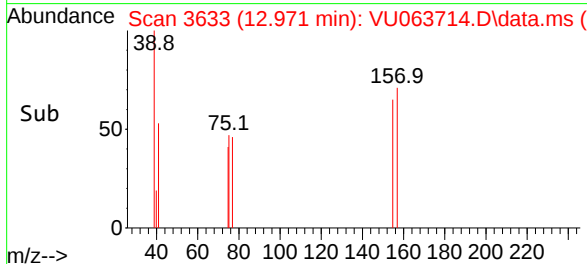
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



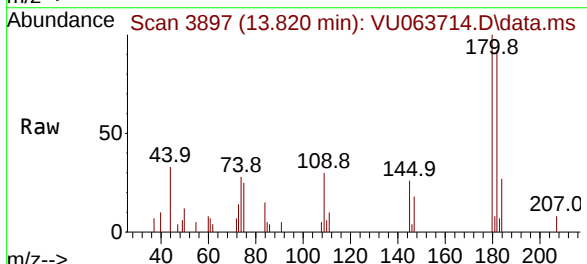
Tgt Ion: 75 Resp: 418
Ion Ratio Lower Upper
75 100
155 67.2 40.5 121.4
157 84.2 50.4 151.3

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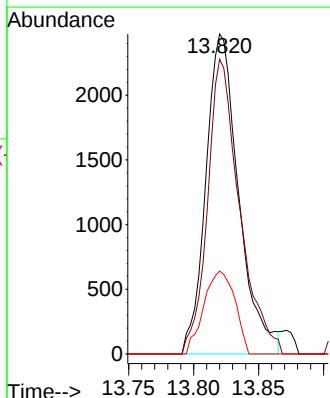
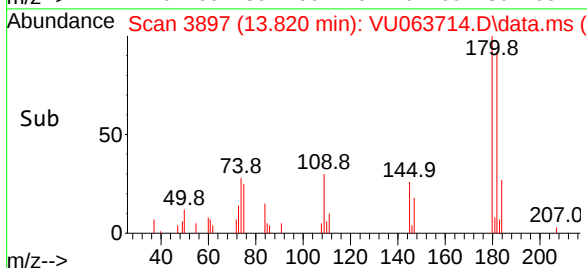
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

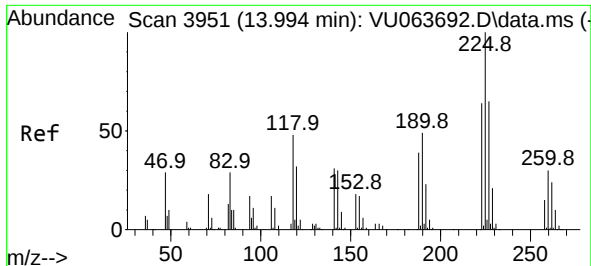


#93
1,2,4-Trichlorobenzene
Concen: 1.519 ug/l
RT: 13.820 min Scan# 3897
Delta R.T. 0.006 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41



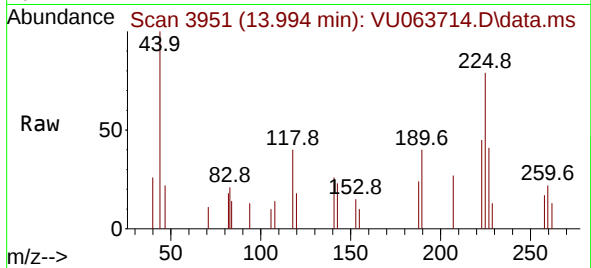
Tgt Ion:180 Resp: 4343
Ion Ratio Lower Upper
180 100
182 89.6 47.6 142.9
145 24.5 15.9 47.6





#94
Hexachlorobutadiene
Concen: 0.822 ug/l
RT: 13.994 min Scan# 3951
Delta R.T. -0.000 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41

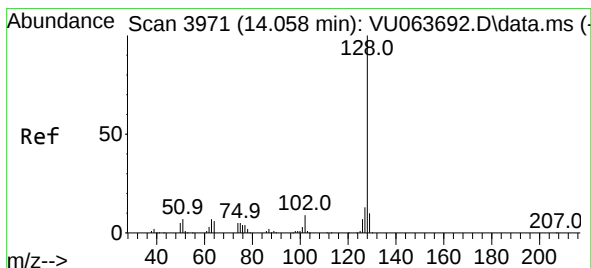
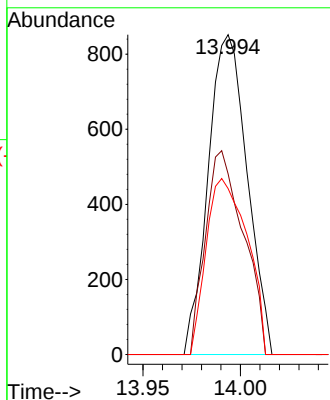
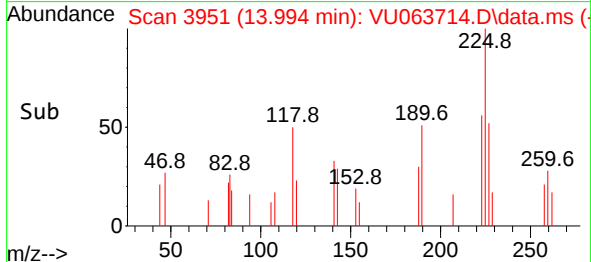
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



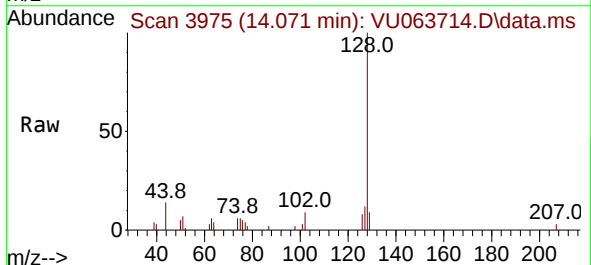
Tgt Ion:225 Resp: 1184
Ion Ratio Lower Upper
225 100
223 62.1 31.6 94.8
227 58.2 32.4 97.0

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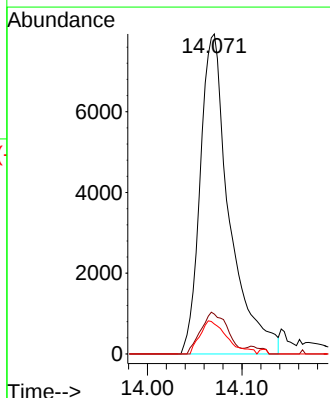
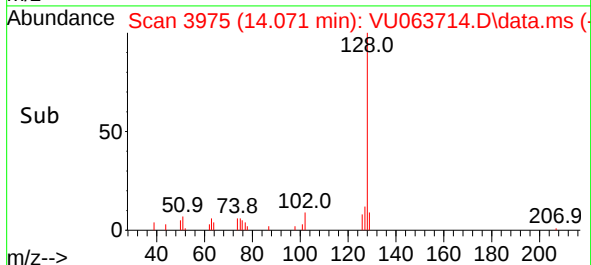
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

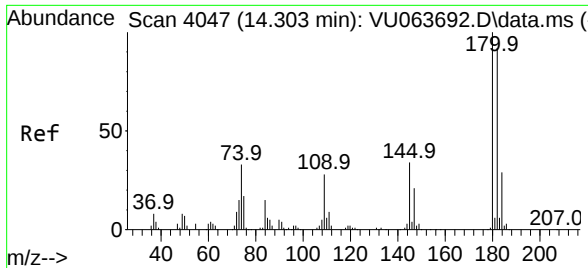


#95
Naphthalene
Concen: 2.190 ug/l
RT: 14.071 min Scan# 3975
Delta R.T. 0.013 min
Lab File: VU063714.D
Acq: 12 Nov 2025 12:41



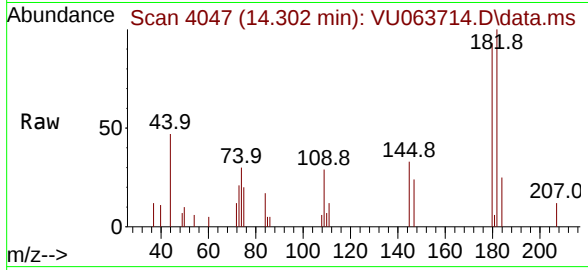
Tgt Ion:128 Resp: 16958
Ion Ratio Lower Upper
128 100
127 11.9 9.9 14.9
129 9.6 8.4 12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 1.592 ug/l
 RT: 14.302 min Scan# 4047
 Delta R.T. -0.000 min
 Lab File: VU063714.D
 Acq: 12 Nov 2025 12:41

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



Tgt Ion:	180	Resp:	423
Ion Ratio	Lower	Upper	
180	100		
182	98.2	47.3	142.0
145	28.3	16.6	49.7

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

