

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
 Data File : VU063713.D
 Acq On : 12 Nov 2025 12:17
 Operator : MD/SY
 Sample : Q3530-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Nov 14 05:03:52 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	5.345	168	194001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.222	114	316196	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	300432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	152758	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.673	65	138516	48.333	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.660%
35) Dibromofluoromethane	5.258	113	106545	48.109	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.220%
50) Toluene-d8	7.872	98	381885	47.999	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.000%
62) 4-Bromofluorobenzene	10.611	95	157987	48.003	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.000%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.371	85	467	0.399	ug/l #	41
3) Chloromethane	1.512	50	824	0.605	ug/l #	76
4) Vinyl Chloride	1.589	62	1085	0.753	ug/l #	79
5) Bromomethane	1.840	94	1119	1.106	ug/l #	80
6) Chloroethane	1.914	64	729	0.669	ug/l	89
7) Trichlorofluoromethane	2.116	101	1024	0.371	ug/l	96
8) Diethyl Ether	2.361	74	509	0.434	ug/l #	17
9) 1,1,2-Trichlorotrifluo...	2.557	101	728	0.416	ug/l #	61
10) Methyl Iodide	2.702	142	1111	0.636	ug/l	91
11) Tert butyl alcohol	3.161	59	1640	2.453	ug/l #	73
12) 1,1-Dichloroethene	2.554	96	1067	0.707	ug/l #	80
13) Acrolein	2.464	56	695	13.000	ug/l #	1
14) Allyl chloride	2.898	41	1693	0.602	ug/l #	82
15) Acrylonitrile	3.329	53	2564m	1.872	ug/l	
16) Acetone	2.605	43	5823	3.106	ug/l #	85
17) Carbon Disulfide	2.766	76	1991	0.897	ug/l	98
18) Methyl Acetate	2.940	43	1645m	0.370	ug/l	
19) Methyl tert-butyl Ether	3.338	73	1927	0.283	ug/l	95
20) Methylene Chloride	3.020	84	2238	1.047	ug/l #	90
21) trans-1,2-Dichloroethene	3.329	96	1440	0.930	ug/l	82
22) Diisopropyl ether	3.956	45	2072m	0.334	ug/l	
23) Vinyl Acetate	3.975	43	7589m	1.796	ug/l	
24) 1,1-Dichloroethane	3.846	63	1441	0.403	ug/l #	81
25) 2-Butanone	4.737	43	5987m	3.034	ug/l	
26) 2,2-Dichloropropane	4.624	77	818	0.267	ug/l #	54
27) cis-1,2-Dichloroethene	4.647	96	1679m	0.742	ug/l	
28) Bromochloromethane	4.965	49	1026m	0.717	ug/l	
29) Tetrahydrofuran	5.049	42	2814m	2.451	ug/l	
30) Chloroform	5.055	83	1835	0.469	ug/l #	83
31) Cyclohexane	5.341	56	5318	2.108	ug/l #	14
32) 1,1,1-Trichloroethane	5.284	97	945	0.294	ug/l #	51
36) 1,1-Dichloropropene	5.502	75	1840	0.816	ug/l #	83
37) Ethyl Acetate	4.737	43	3710m	1.162	ug/l	
38) Carbon Tetrachloride	5.496	117	1004	0.412	ug/l #	78
39) Methylcyclohexane	6.737	83	1222	0.478	ug/l #	85
40) Benzene	5.753	78	3771	0.518	ug/l	95

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.994	41	330	0.199	ug/l #	76
42) 1,2-Dichloroethane	5.779	62	1534	0.535	ug/l #	75
43) Isopropyl Acetate	5.898	43	2325m	0.497	ug/l	
44) Trichloroethene	6.521	130	1585	0.777	ug/l	96
45) 1,2-Dichloropropane	6.766	63	649	0.328	ug/l #	86
46) Dibromomethane	6.898	93	1045	0.704	ug/l	95
47) Bromodichloromethane	7.081	83	1279	0.425	ug/l #	97
48) Methyl methacrylate	6.975	41	1136m	0.495	ug/l	
49) 1,4-Dioxane	6.972	88	702m	11.539	ug/l	
51) 4-Methyl-2-Pentanone	7.772	43	11711	3.271	ug/l	94
52) Toluene	7.946	92	3022	0.640	ug/l	89
53) t-1,3-Dichloropropene	8.193	75	1631	0.643	ug/l	99
54) cis-1,3-Dichloropropene	7.586	75	1610	0.567	ug/l #	92
55) 1,1,2-Trichloroethane	8.380	97	925	0.427	ug/l #	71
56) Ethyl methacrylate	8.325	69	1310	0.410	ug/l #	89
57) 1,3-Dichloropropane	8.557	76	1917	0.542	ug/l	99
59) 2-Hexanone	8.682	43	11300	4.238	ug/l	93
60) Dibromochloromethane	8.785	129	1140	0.502	ug/l	89
61) 1,2-Dibromoethane	8.907	107	1313	0.629	ug/l #	77
64) Tetrachloroethene	8.528	164	1397	0.721	ug/l #	81
65) Chlorobenzene	9.425	112	4819	0.821	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.508	131	578	0.289	ug/l #	65
67) Ethyl Benzene	9.553	91	7072	0.723	ug/l	93
68) m/p-Xylenes	9.676	106	4950	1.372	ug/l	84
69) o-Xylene	10.084	106	2014	0.541	ug/l	88
70) Styrene	10.103	104	4759	0.796	ug/l	93
71) Bromoform	10.264	173	732	0.455	ug/l #	80
73) Isopropylbenzene	10.463	105	6327	0.659	ug/l	94
74) N-amyl acetate	10.322	43	4228	1.264	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	10.762	83	1950	0.529	ug/l	93
76) 1,2,3-Trichloropropane	10.804	75	2572m	0.668	ug/l	
77) Bromobenzene	10.762	156	2396	0.992	ug/l	89
78) n-propylbenzene	10.888	91	11447	1.040	ug/l	93
79) 2-Chlorotoluene	10.965	91	5753	0.808	ug/l	98
80) 1,3,5-Trimethylbenzene	11.068	105	5563	0.691	ug/l	95
81) trans-1,4-Dichloro-2-b...	10.534	75	308m	0.426	ug/l	
82) 4-Chlorotoluene	11.081	91	8813	1.090	ug/l	93
83) tert-Butylbenzene	11.396	119	5422	0.647	ug/l	93
84) 1,2,4-Trimethylbenzene	11.447	105	6950	0.880	ug/l	96
85) sec-Butylbenzene	11.621	105	10101	0.954	ug/l	98
86) p-Isopropyltoluene	11.772	119	8358	0.983	ug/l	85
87) 1,3-Dichlorobenzene	11.724	146	5617	1.238	ug/l	96
88) 1,4-Dichlorobenzene	11.814	146	6761m	1.424	ug/l	
89) n-Butylbenzene	12.190	91	13966	1.789	ug/l	99
90) Hexachloroethane	12.450	117	506	0.390	ug/l	89
91) 1,2-Dichlorobenzene	12.193	146	5495	1.213	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.975	75	467	0.618	ug/l	95
93) 1,2,4-Trichlorobenzene	13.820	180	7582	2.626	ug/l	96
94) Hexachlorobutadiene	13.994	225	1798	1.236	ug/l	92
95) Naphthalene	14.065	128	28018	3.582	ug/l	98
96) 1,2,3-Trichlorobenzene	14.306	180	7355	2.740	ug/l	96

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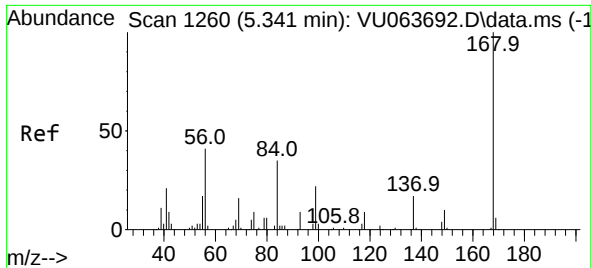
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025

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Supervised By :Mahesh Dadoda 11/14/2025

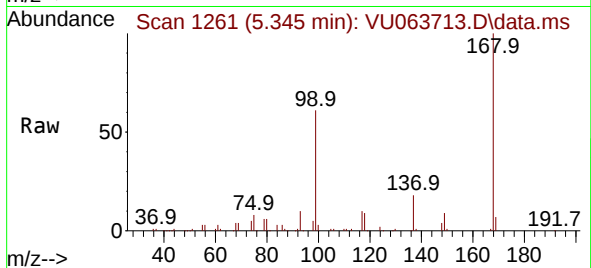
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.345 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU063713.D
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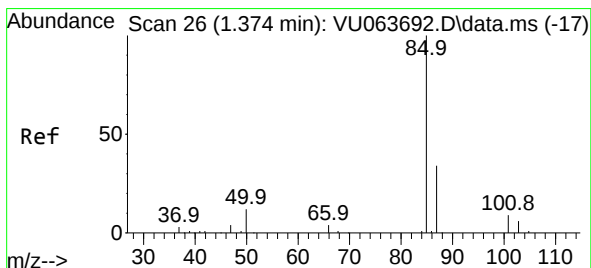
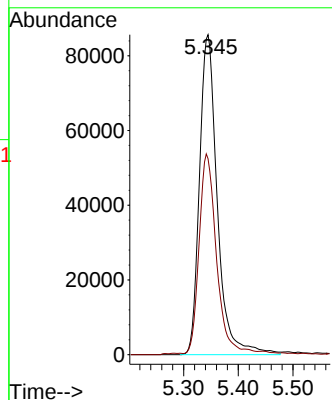
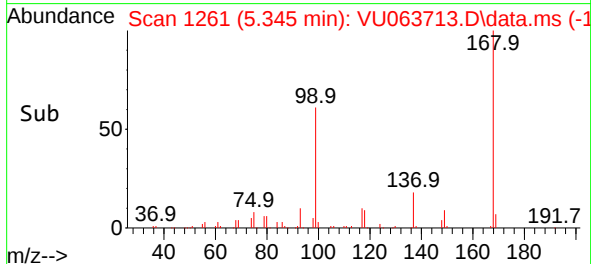
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:168 Resp: 19400
Ion Ratio Lower Upper
168 100
99 60.8 48.2 72.4

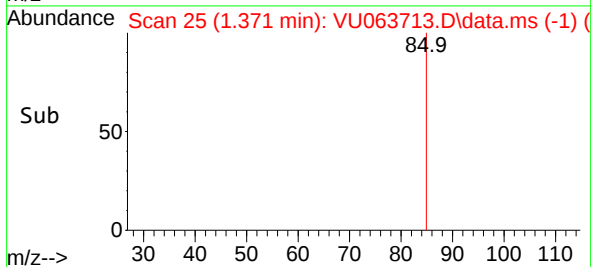
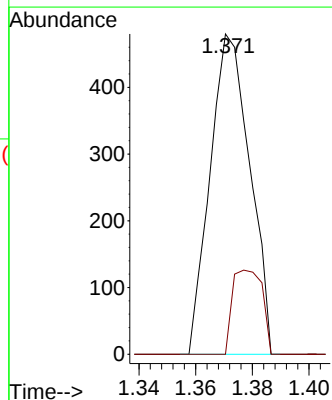
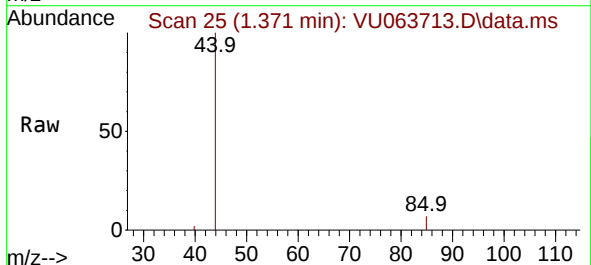
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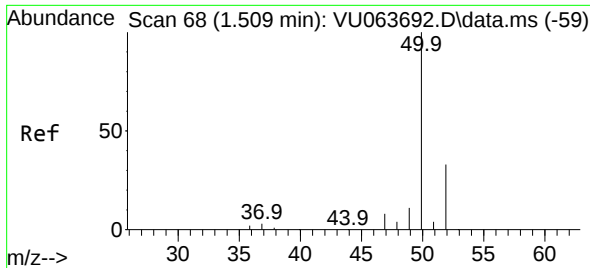
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#2
Dichlorodifluoromethane
Concen: 0.399 ug/l
RT: 1.371 min Scan# 25
Delta R.T. -0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

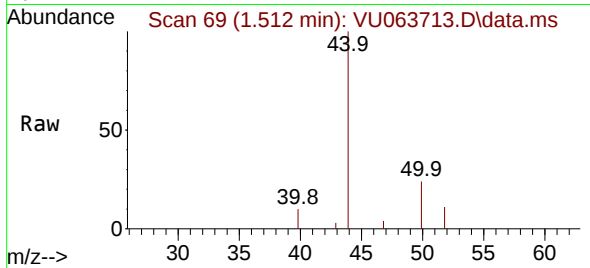
Tgt Ion: 85 Resp: 467
Ion Ratio Lower Upper
85 100
87 0.0 17.0 51.0#





#3
Chloromethane
Concen: 0.605 ug/l
RT: 1.512 min Scan# 69
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

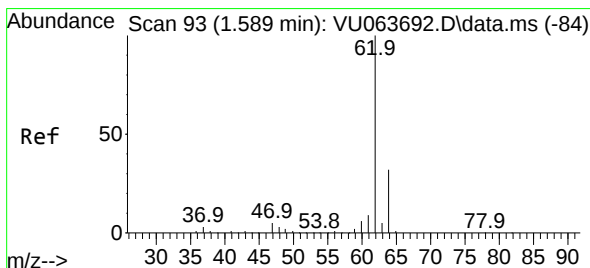
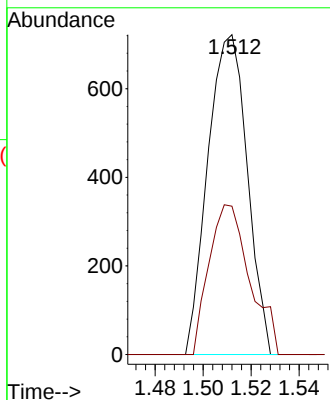
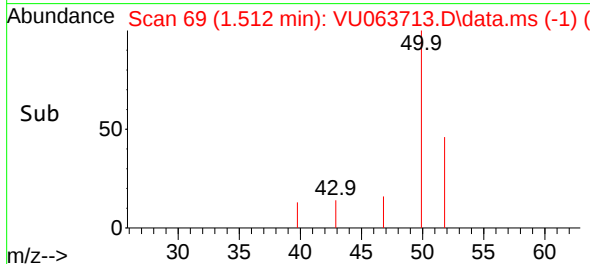
Instrument :
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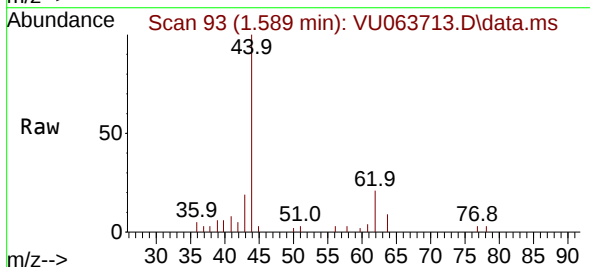
Tgt Ion: 50 Resp: 824
Ion Ratio Lower Upper
50 100
52 46.4 26.3 39.5

Manual Integrations
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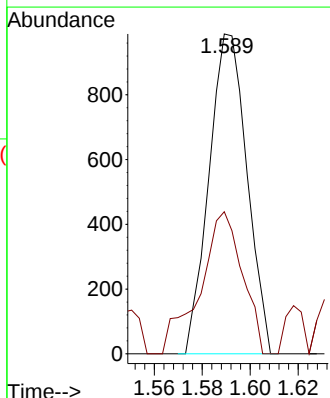
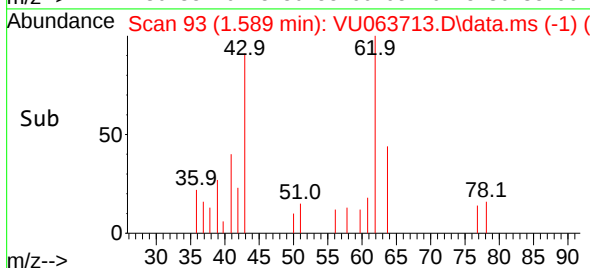
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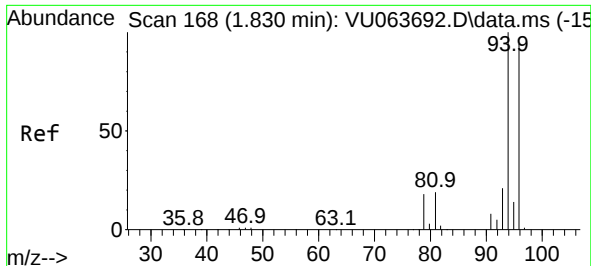


#4
Vinyl Chloride
Concen: 0.753 ug/l
RT: 1.589 min Scan# 93
Delta R.T. -0.000 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17



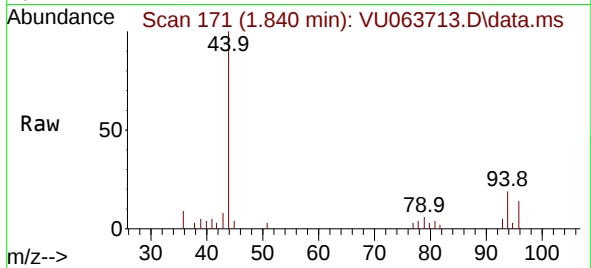
Tgt Ion: 62 Resp: 1085
Ion Ratio Lower Upper
62 100
64 44.4 25.9 38.9





#5
Bromomethane
Concen: 1.106 ug/l
RT: 1.840 min Scan# 1119
Delta R.T. 0.010 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

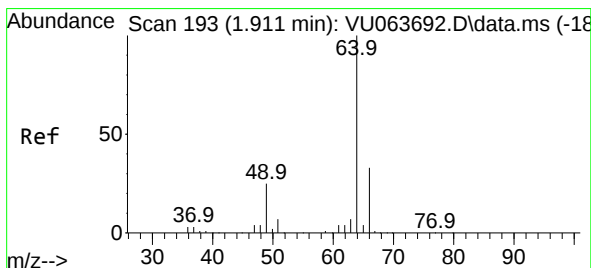
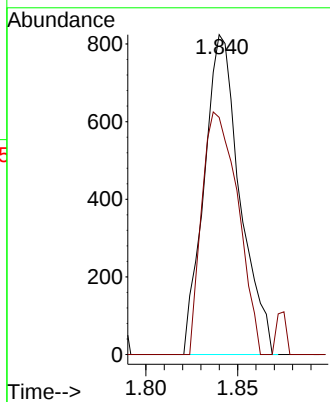
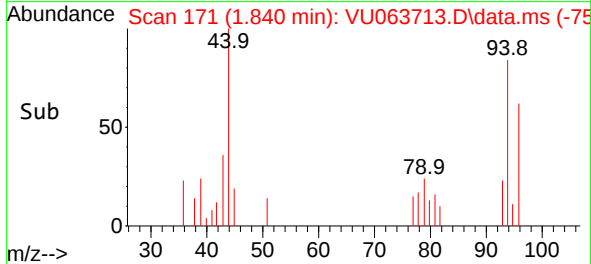
Instrument :
MSVOA_U
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Tgt Ion: 94 Resp: 1119
Ion Ratio Lower Upper
94 100
96 74.2 74.8 112.2

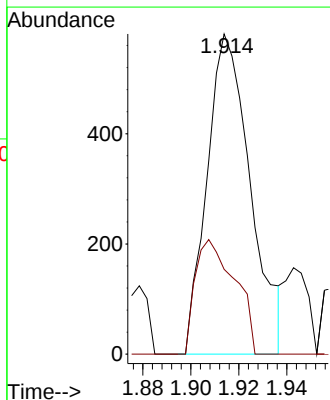
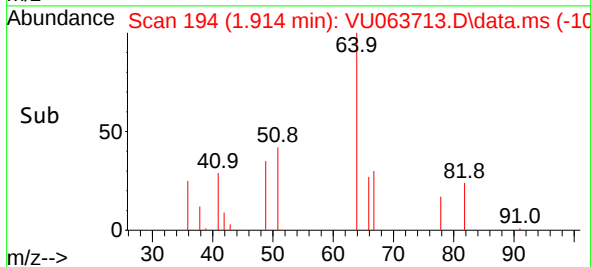
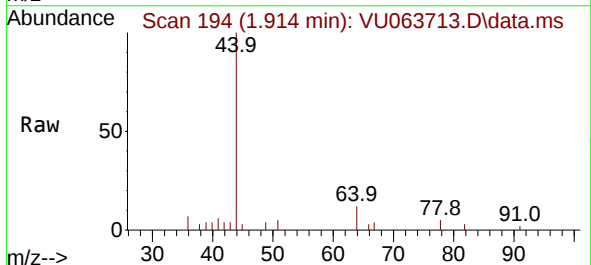
Manual Integrations
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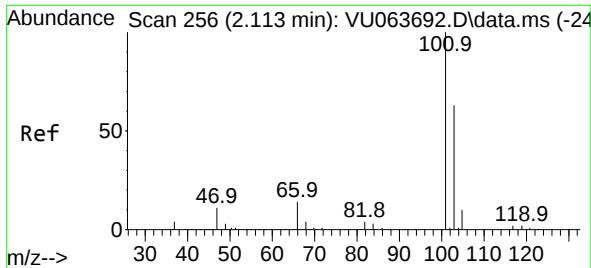
Reviewed By :John Carlone 11/14/2025
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#6
Chloroethane
Concen: 0.669 ug/l
RT: 1.914 min Scan# 194
Delta R.T. 0.003 min
Lab File: VU063713.D
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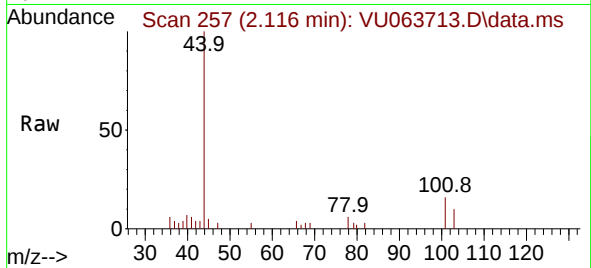
Tgt Ion: 64 Resp: 729
Ion Ratio Lower Upper
64 100
66 26.5 26.4 39.6





#7
 Trichlorofluoromethane
 Concen: 0.371 ug/l
 RT: 2.116 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VU063713.D
 Acq: 12 Nov 2025 12:17

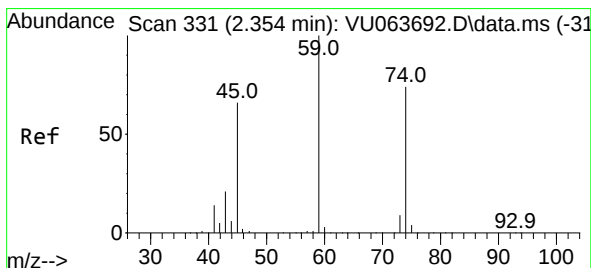
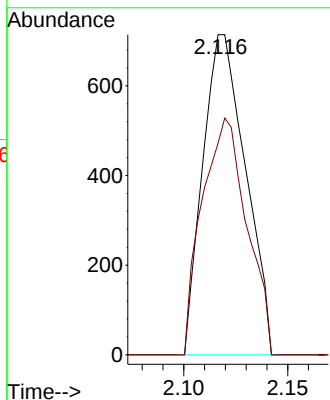
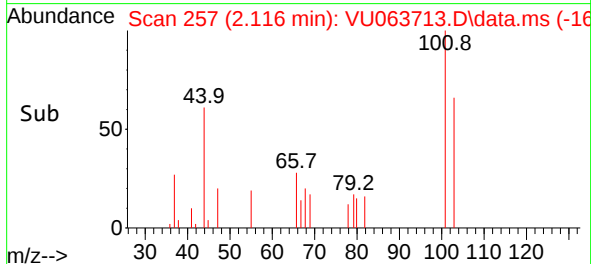
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025



Tgt Ion:101 Resp: 1024
 Ion Ratio Lower Upper
 101 100
 103 66.1 50.3 75.5

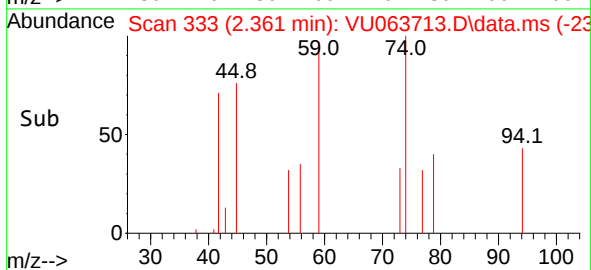
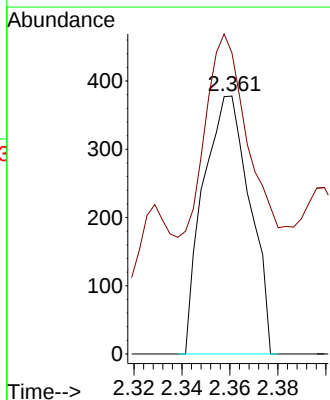
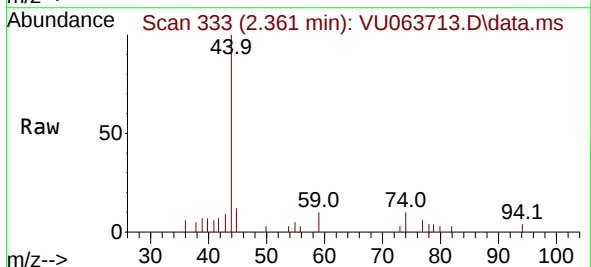
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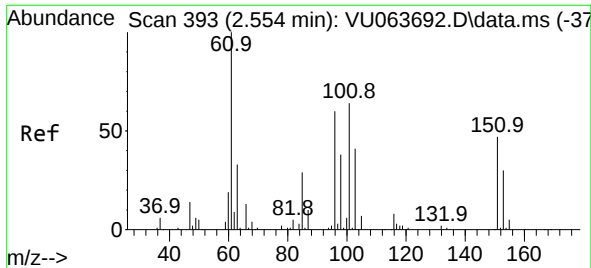
Reviewed By :John Carlone 11/14/2025
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#8
 Diethyl Ether
 Concen: 0.434 ug/l
 RT: 2.361 min Scan# 333
 Delta R.T. 0.006 min
 Lab File: VU063713.D
 Acq: 12 Nov 2025 12:17

Tgt Ion: 74 Resp: 509
 Ion Ratio Lower Upper
 74 100
 45 166.0 44.1 132.4#





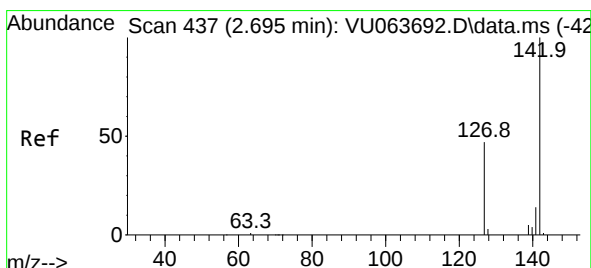
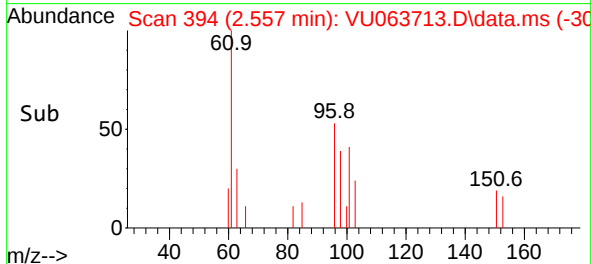
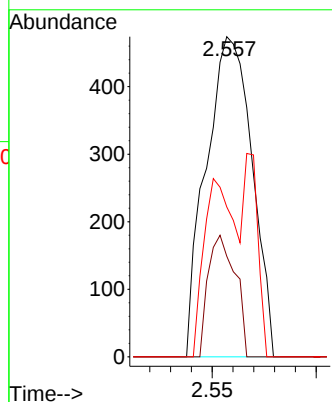
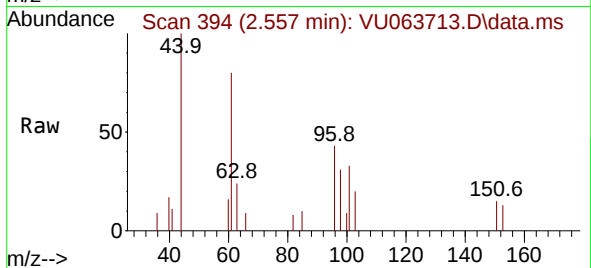
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.416 ug/l
RT: 2.557 min Scan# 393
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

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

Tgt Ion:101 Resp: 728
Ion Ratio Lower Upper
101 100
85 22.4 36.2 54.4
151 37.9 58.5 87.7

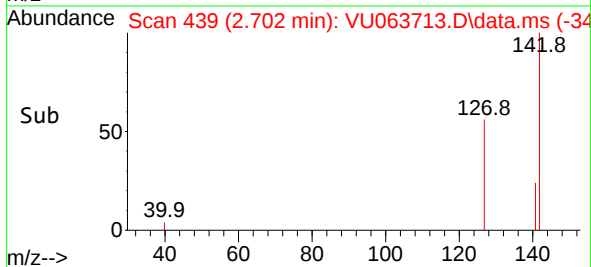
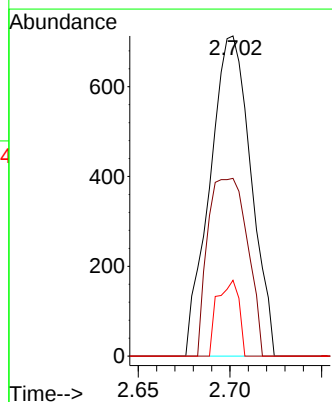
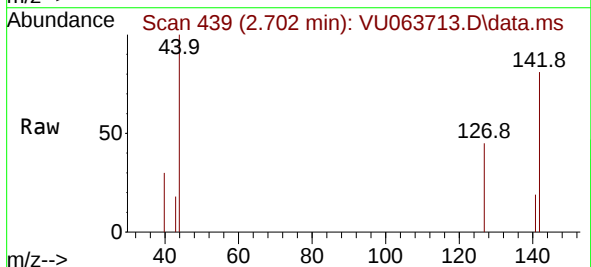
Manual Integrations
APPROVED

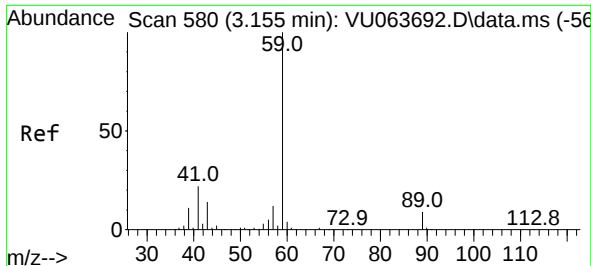
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#10
Methyl Iodide
Concen: 0.636 ug/l
RT: 2.702 min Scan# 439
Delta R.T. 0.007 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

Tgt Ion:142 Resp: 1111
Ion Ratio Lower Upper
142 100
127 53.4 37.2 55.8
141 12.4 11.4 17.0





#11

Tert butyl alcohol

Concen: 2.453 ug/l

RT: 3.161 min Scan# 580

Delta R.T. 0.006 min

Lab File: VU063713.D

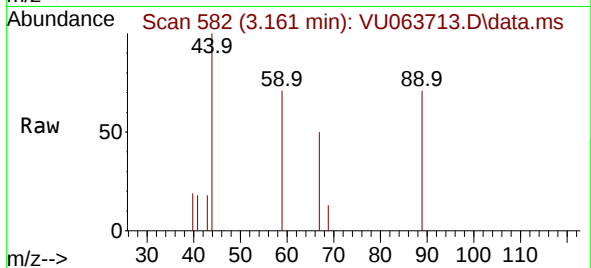
Acq: 12 Nov 2025 12:17

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025



Tgt Ion: 59 Resp: 1640

Ion Ratio Lower Upper

59 100

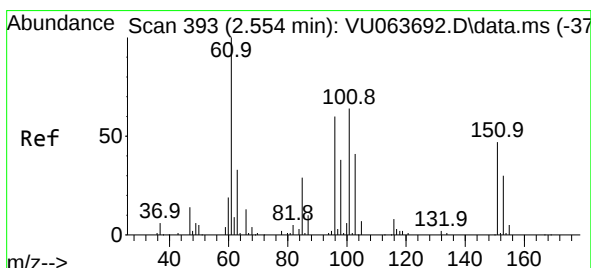
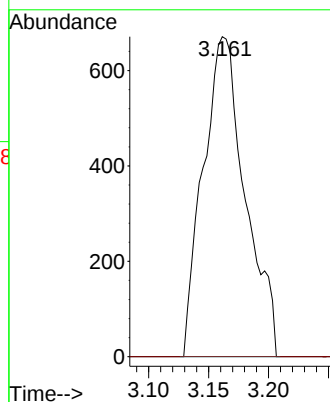
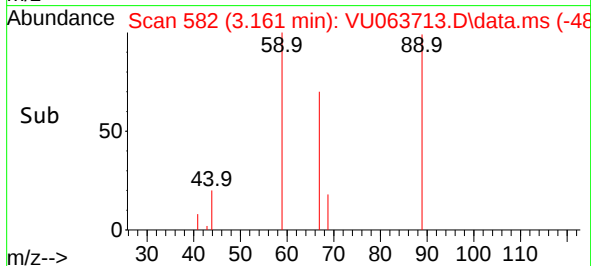
57 0.0 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#12

1,1-Dichloroethene

Concen: 0.707 ug/l

RT: 2.554 min Scan# 393

Delta R.T. -0.000 min

Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

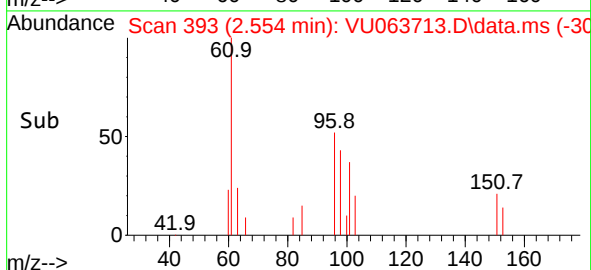
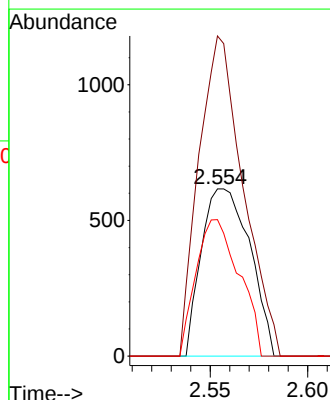
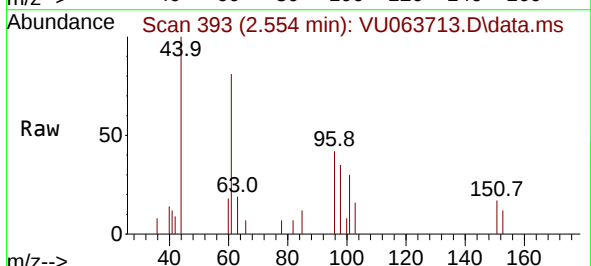
Tgt Ion: 96 Resp: 1067

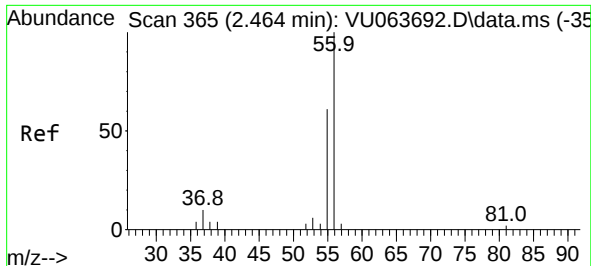
Ion Ratio Lower Upper

96 100

61 191.6 133.1 199.7

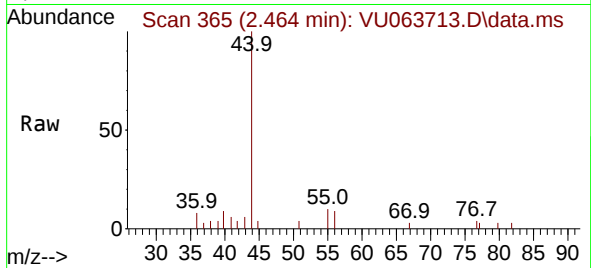
98 81.7 50.7 76.1





#13
Acrolein
Concen: 13.000 ug/l
RT: 2.464 min Scan# 30
Delta R.T. -0.000 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

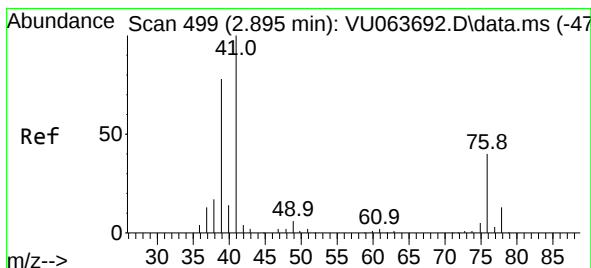
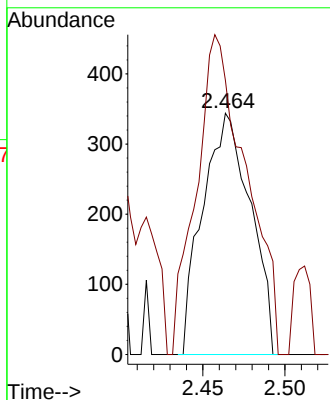
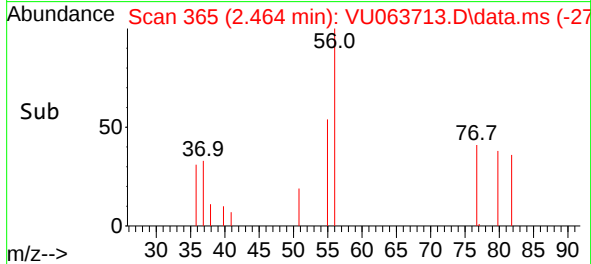
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 56 Resp: 69
Ion Ratio Lower Upper
56 100
55 138.8 47.1 70.7

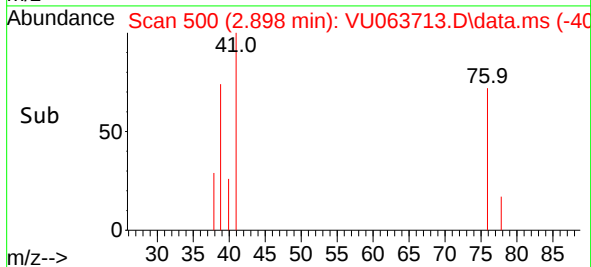
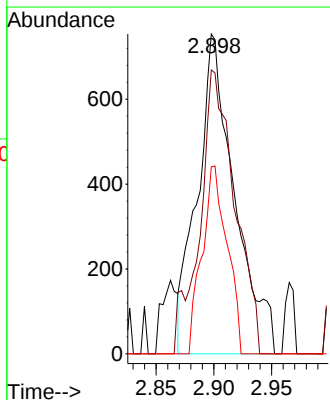
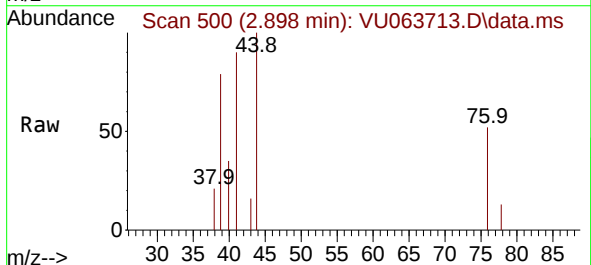
Manual Integrations
APPROVED

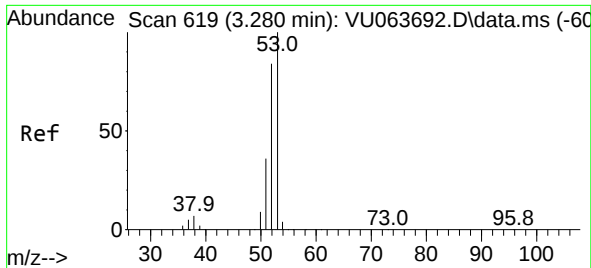
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#14
Allyl chloride
Concen: 0.602 ug/l
RT: 2.898 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

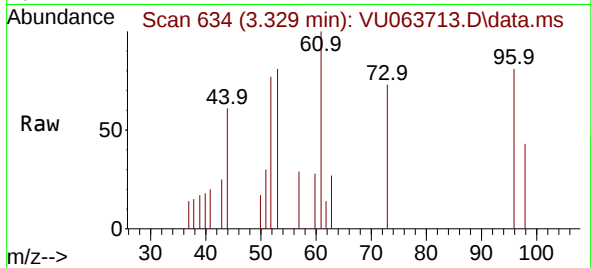
Tgt Ion: 41 Resp: 1693
Ion Ratio Lower Upper
41 100
39 83.8 53.1 79.7#
76 39.5 26.4 39.6





#15
Acrylonitrile
Concen: 1.872 ug/l m
RT: 3.329 min Scan# 619
Delta R.T. 0.048 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

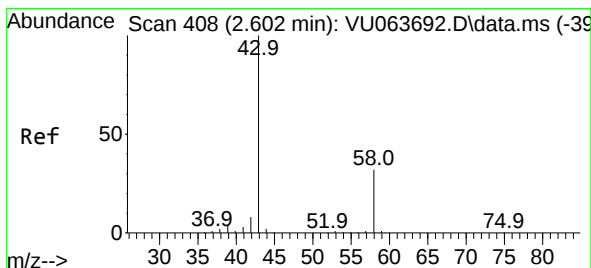
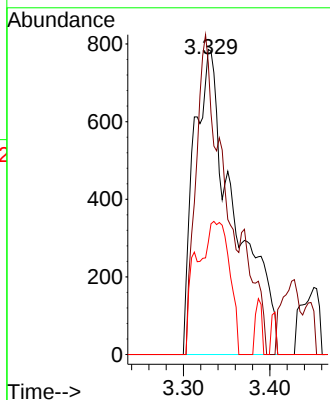
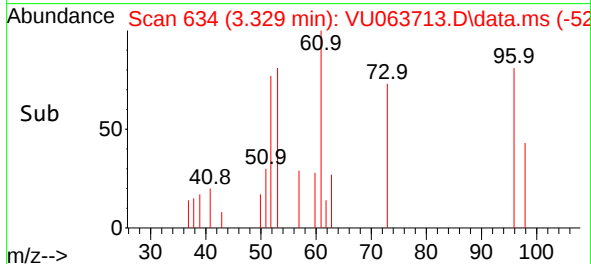
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 53 Resp: 2564
Ion Ratio Lower Upper
53 100
52 69.0 67.5 101.3
51 22.7 29.0 43.6

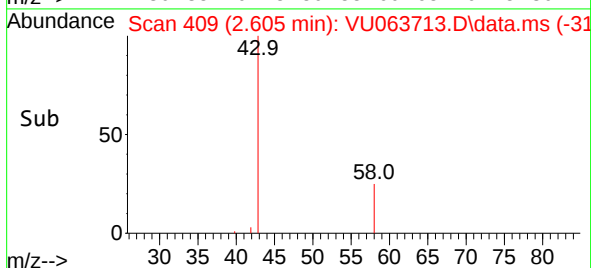
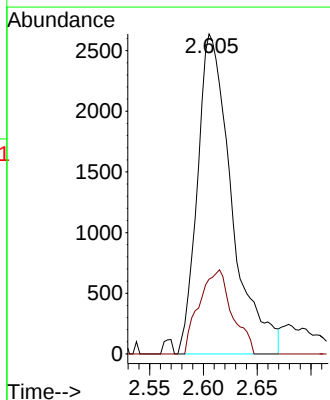
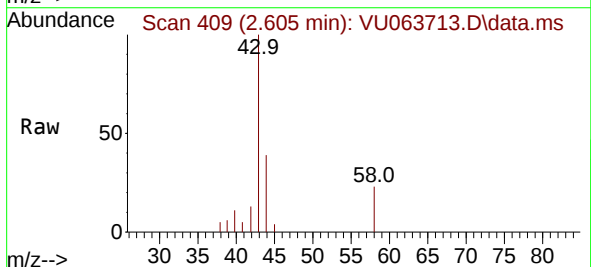
Manual Integrations
APPROVED

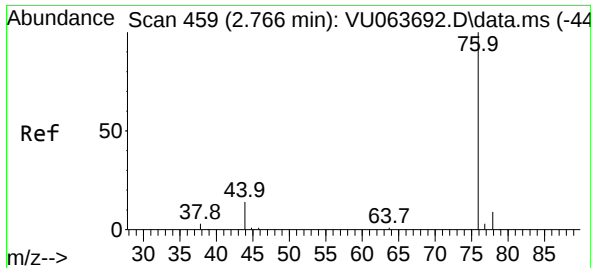
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#16
Acetone
Concen: 3.106 ug/l
RT: 2.605 min Scan# 409
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

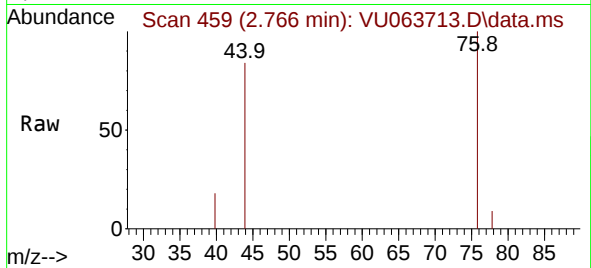
Tgt Ion: 43 Resp: 5823
Ion Ratio Lower Upper
43 100
58 23.4 25.4 38.2





#17
Carbon Disulfide
Concen: 0.897 ug/l
RT: 2.766 min Scan# 411
Delta R.T. -0.000 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

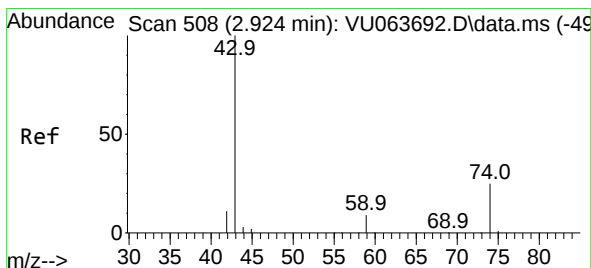
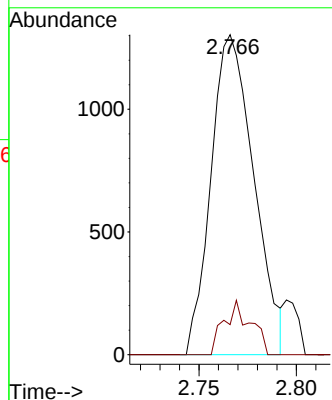
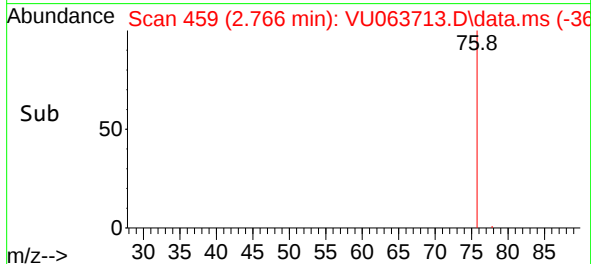
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 76 Resp: 199
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6

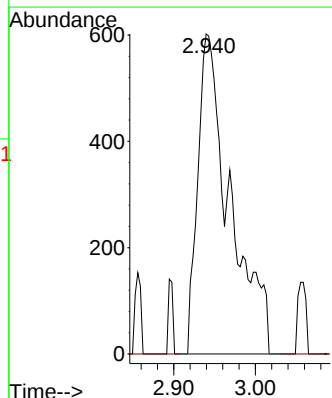
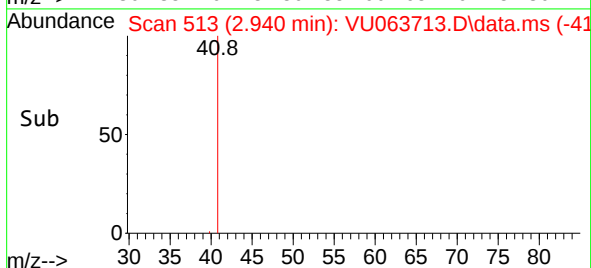
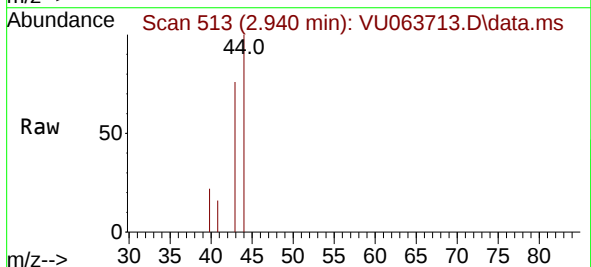
Manual Integrations
APPROVED

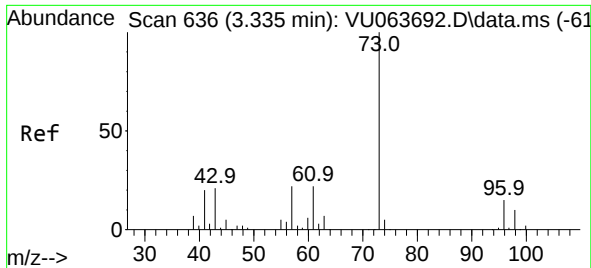
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#18
Methyl Acetate
Concen: 0.370 ug/l m
RT: 2.940 min Scan# 513
Delta R.T. 0.016 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

Tgt Ion: 43 Resp: 1645
Ion Ratio Lower Upper
43 100
74 0.0 20.6 31.0#





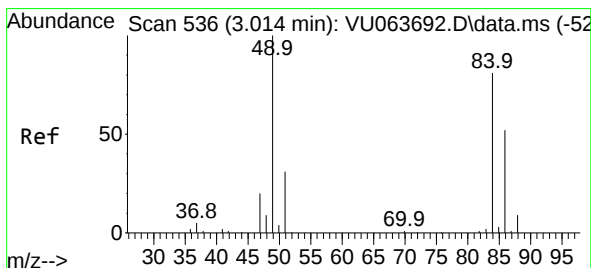
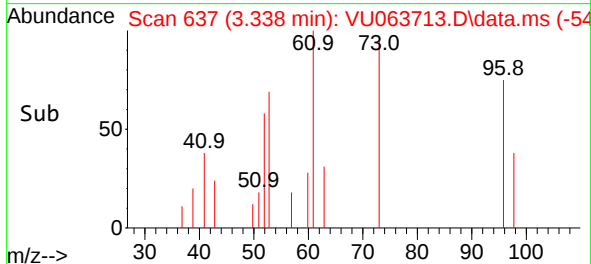
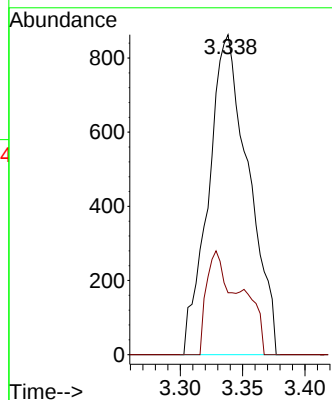
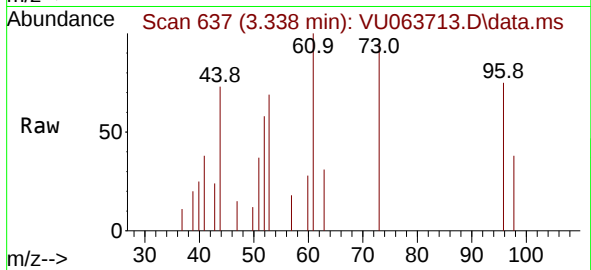
#19
Methyl tert-butyl Ether
Concen: 0.283 ug/l
RT: 3.338 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

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

Tgt Ion: 73 Resp: 192
Ion Ratio Lower Upper
73 100
57 19.4 17.4 26.2

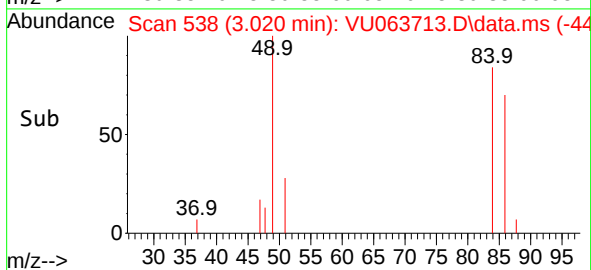
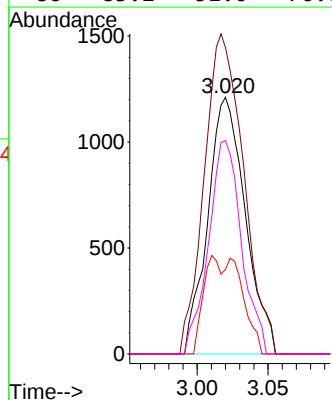
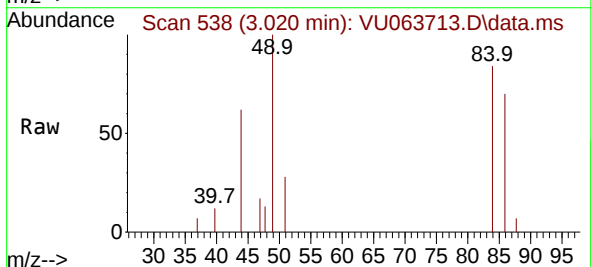
Manual Integrations
APPROVED

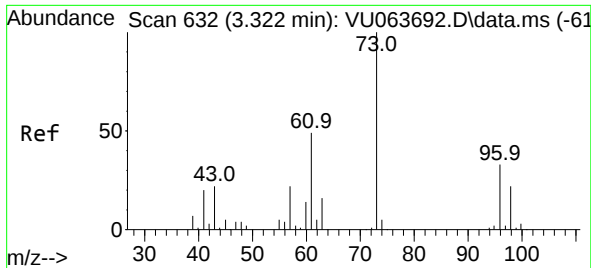
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#20
Methylene Chloride
Concen: 1.047 ug/l
RT: 3.020 min Scan# 538
Delta R.T. 0.006 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

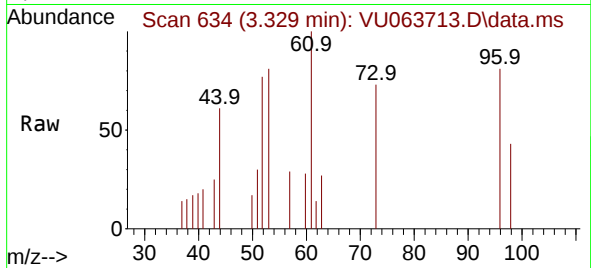
Tgt Ion: 84 Resp: 2238
Ion Ratio Lower Upper
84 100
49 119.4 98.4 147.6
51 32.9 30.1 45.1
86 83.2 51.0 76.6#





#21
trans-1,2-Dichloroethene
Concen: 0.930 ug/l
RT: 3.329 min Scan# 611
Delta R.T. 0.006 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

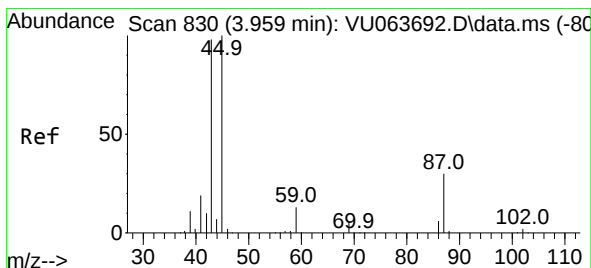
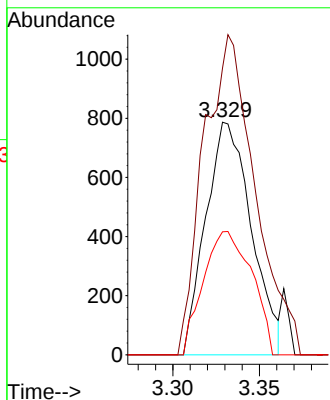
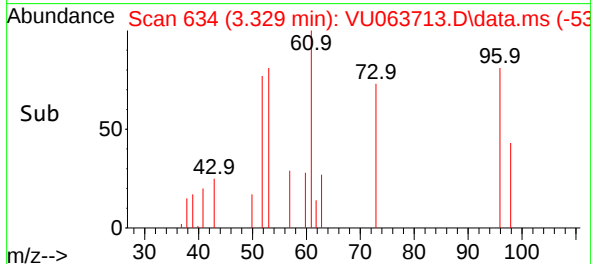
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 96 Resp: 1440
Ion Ratio Lower Upper
96 100
61 123.3 117.5 176.3
98 52.9 52.7 79.1

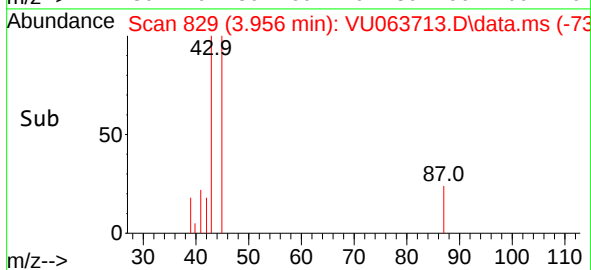
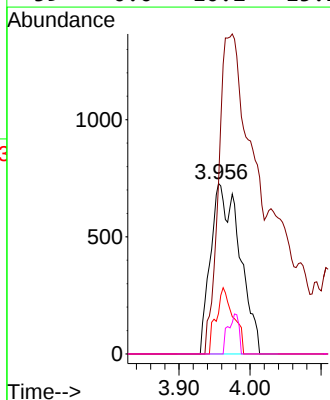
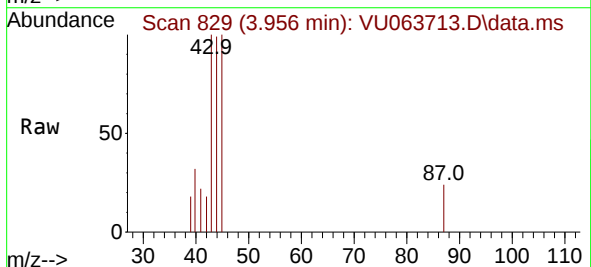
Manual Integrations
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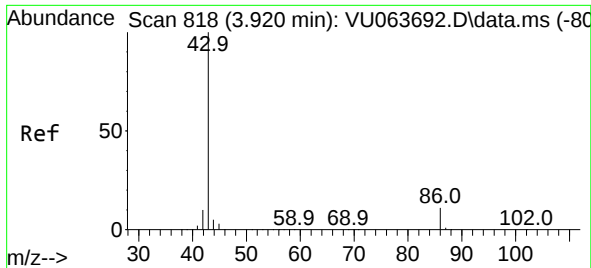
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#22
Diisopropyl ether
Concen: 0.334 ug/l m
RT: 3.956 min Scan# 829
Delta R.T. -0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

Tgt Ion: 45 Resp: 2072
Ion Ratio Lower Upper
45 100
43 99.9 78.1 117.1
87 23.8 23.8 35.8#
59 0.0 10.2 15.2#





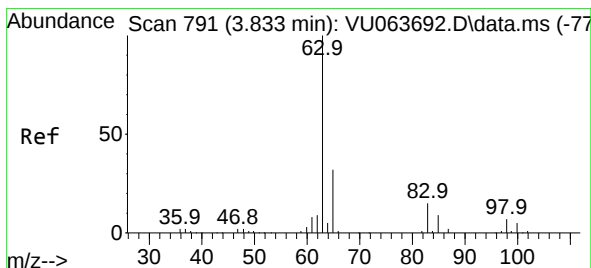
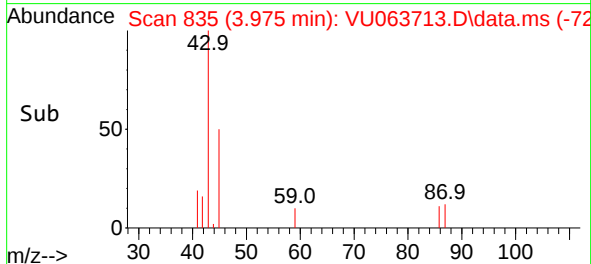
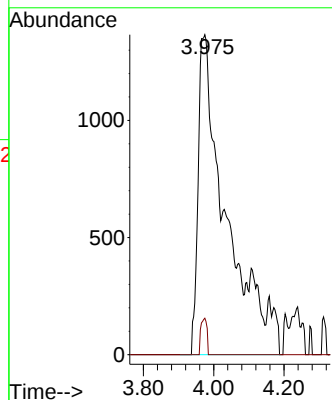
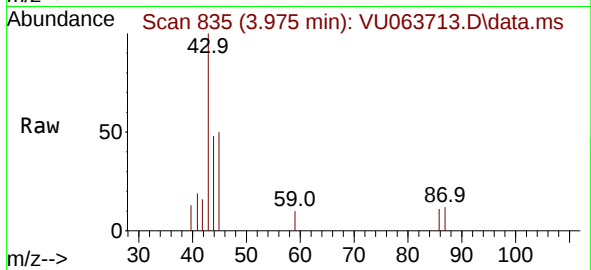
#23
 Vinyl Acetate
 Concen: 1.796 ug/l m
 RT: 3.975 min Scan# 818
 Delta R.T. 0.055 min
 Lab File: VU063713.D
 Acq: 12 Nov 2025 12:17

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

Tgt Ion: 43 Resp: 7589
 Ion Ratio Lower Upper
 43 100
 86 11.4 8.7 13.1

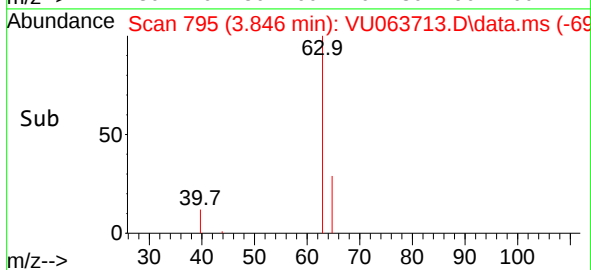
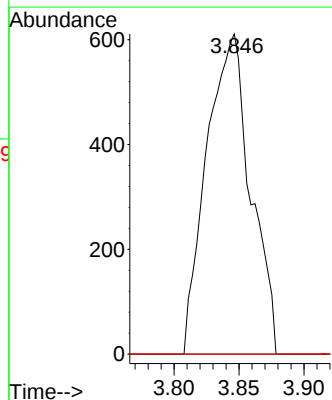
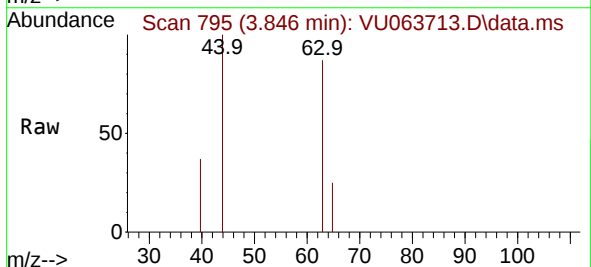
Manual Integrations
 APPROVED

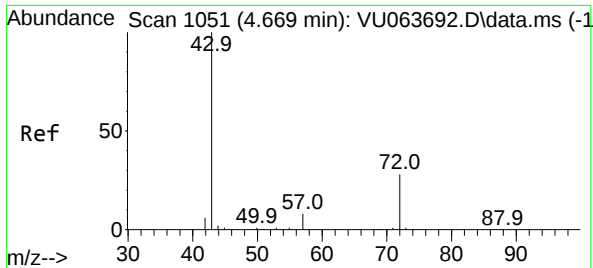
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#24
 1,1-Dichloroethane
 Concen: 0.403 ug/l
 RT: 3.846 min Scan# 795
 Delta R.T. 0.013 min
 Lab File: VU063713.D
 Acq: 12 Nov 2025 12:17

Tgt Ion: 63 Resp: 1441
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.7 11.1#
 100 0.0 2.5 7.5#





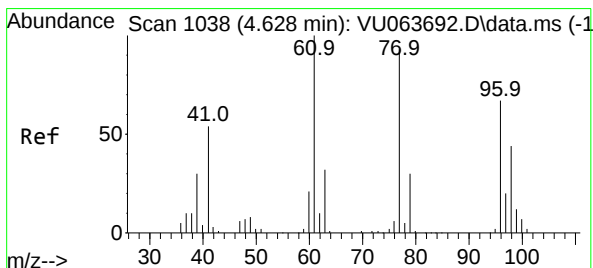
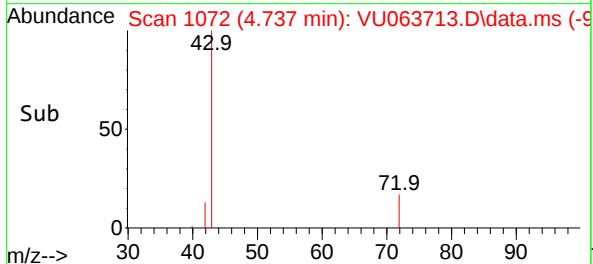
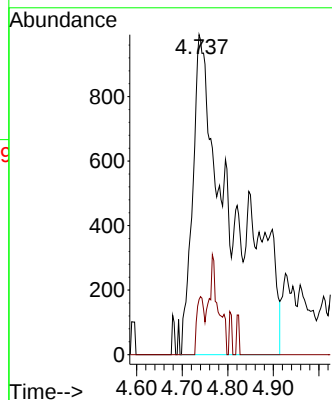
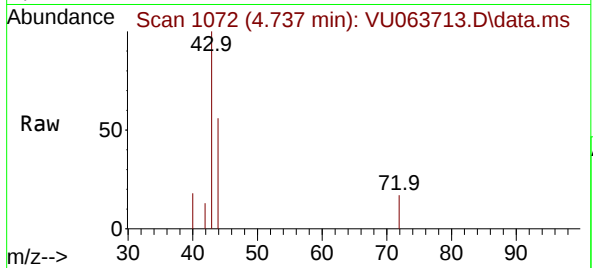
#25
2-Butanone
Concen: 3.034 ug/l m
RT: 4.737 min Scan# 1072
Delta R.T. 0.067 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

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

Tgt Ion: 43 Resp: 598
Ion Ratio Lower Upper
43 100
72 17.2 22.0 33.0

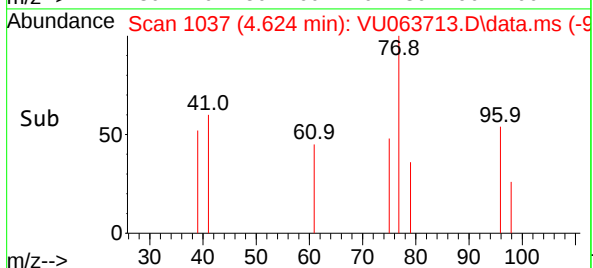
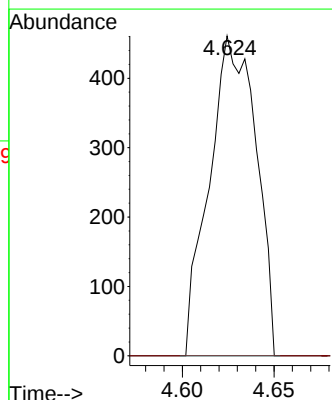
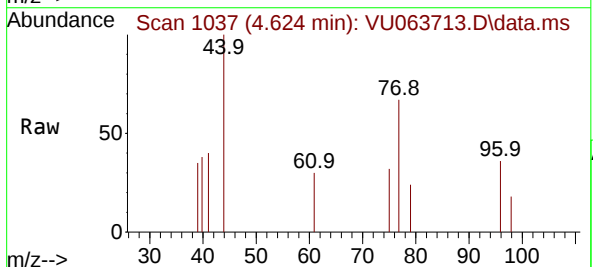
Manual Integrations
APPROVED

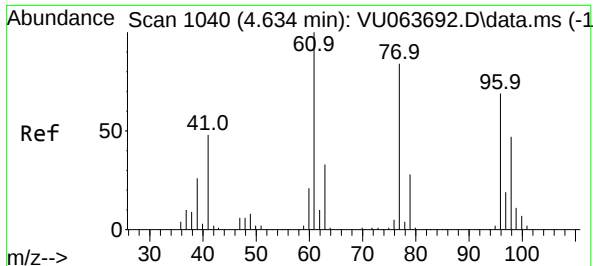
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#26
2,2-Dichloropropane
Concen: 0.267 ug/l
RT: 4.624 min Scan# 1037
Delta R.T. -0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

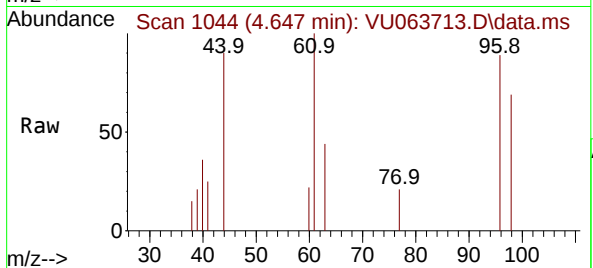
Tgt Ion: 77 Resp: 818
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9





#27
 cis-1,2-Dichloroethene
 Concen: 0.742 ug/l m
 RT: 4.647 min Scan# 1044
 Delta R.T. 0.013 min
 Lab File: VU063713.D
 Acq: 12 Nov 2025 12:17

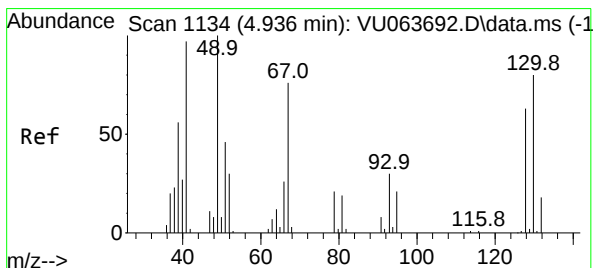
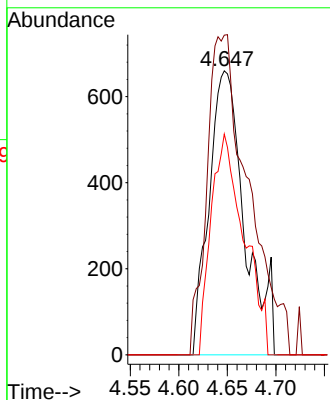
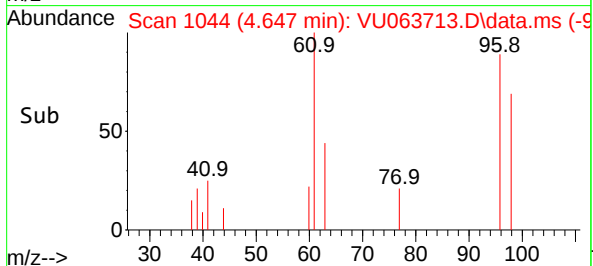
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025



Tgt Ion: 96 Resp: 1679
 Ion Ratio Lower Upper
 96 100
 61 131.7 0.0 295.4
 98 71.9 0.0 131.8

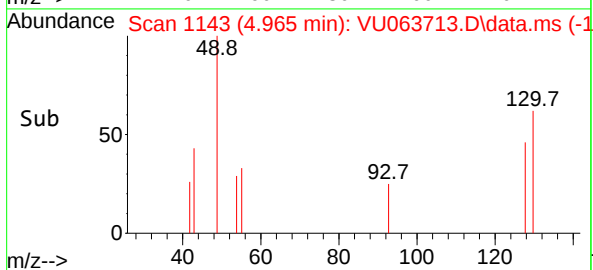
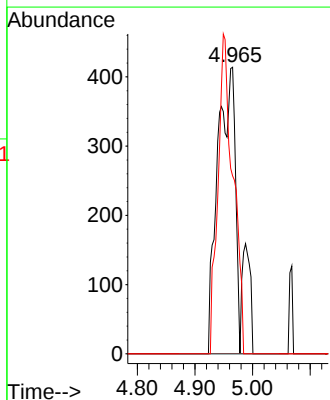
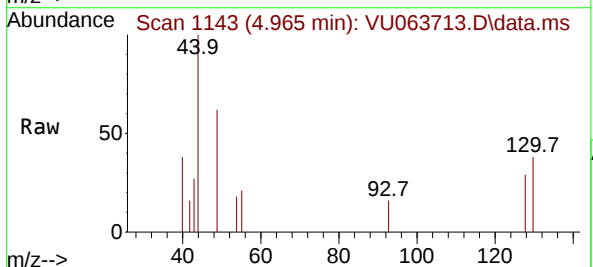
Manual Integrations
 APPROVED

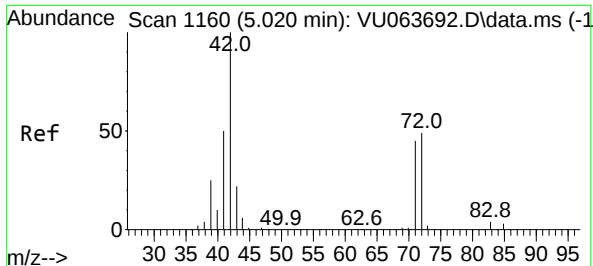
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#28
 Bromochloromethane
 Concen: 0.717 ug/l m
 RT: 4.965 min Scan# 1143
 Delta R.T. 0.029 min
 Lab File: VU063713.D
 Acq: 12 Nov 2025 12:17

Tgt Ion: 49 Resp: 1026
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 82.1 65.1 97.7





#29

Tetrahydrofuran

Concen: 2.451 ug/l

RT: 5.049 min Scan# 1169

Delta R.T. 0.029 min

Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

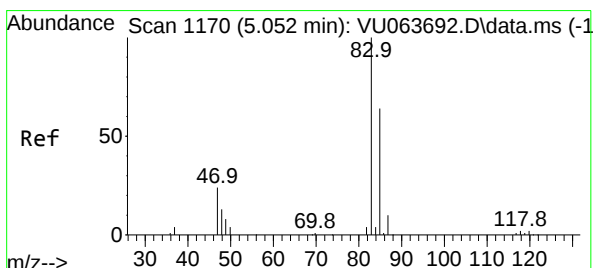
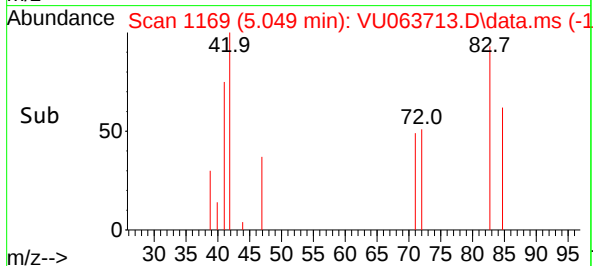
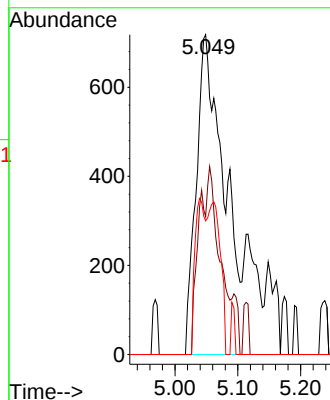
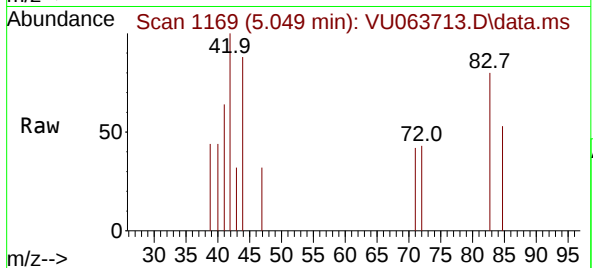
Tgt Ion:	42	Resp:	2814
Ion Ratio	Lower	Upper	
42	100		
72	13.5	40.0	60.0
71	0.0	37.4	56.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#30

Chloroform

Concen: 0.469 ug/l

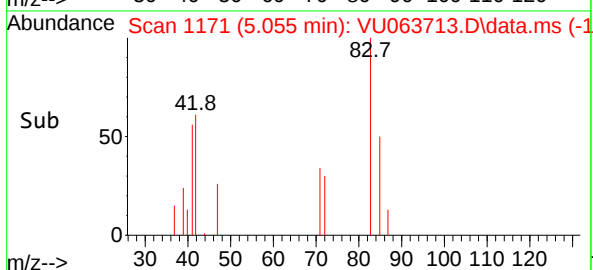
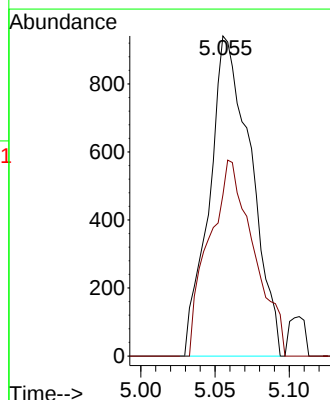
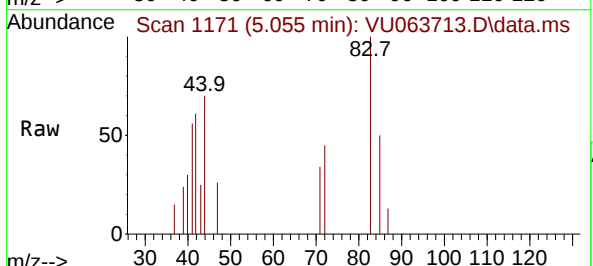
RT: 5.055 min Scan# 1171

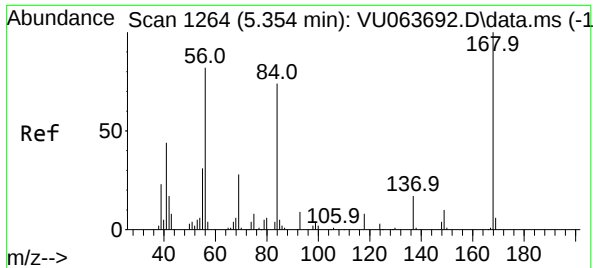
Delta R.T. 0.003 min

Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

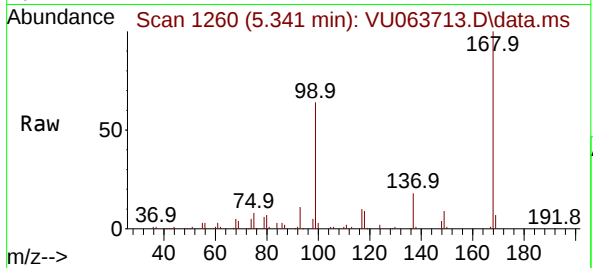
Tgt Ion:	83	Resp:	1835
Ion Ratio	Lower	Upper	
83	100		
85	50.4	51.0	76.6





#31
Cyclohexane
Concen: 2.108 ug/l
RT: 5.341 min Scan# 1260
Delta R.T. -0.013 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

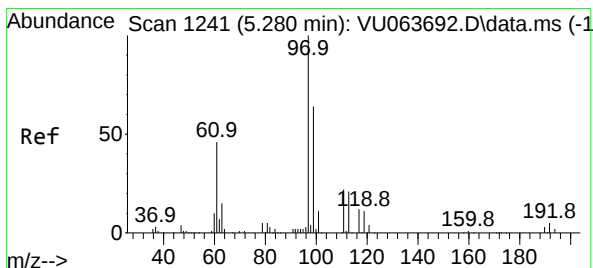
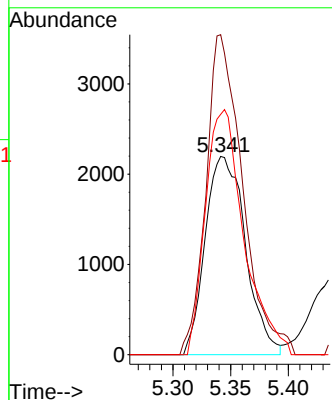
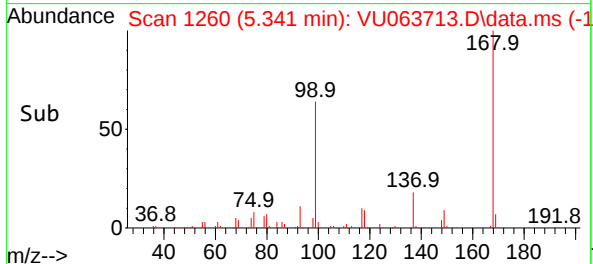
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion: 56 Resp: 5318
Ion Ratio Lower Upper
56 100
69 161.4 27.0 40.6
84 121.3 71.8 107.6

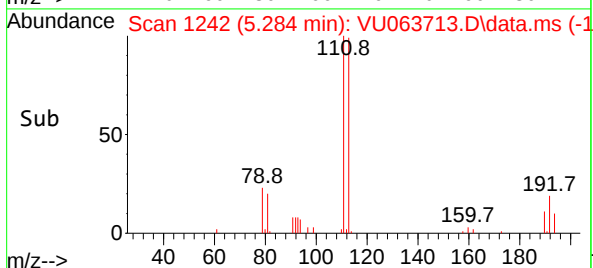
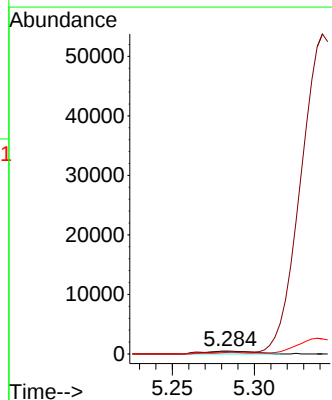
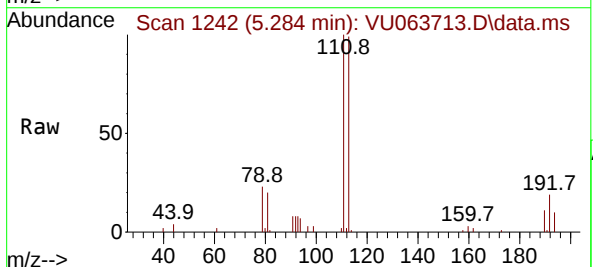
Manual Integrations
APPROVED

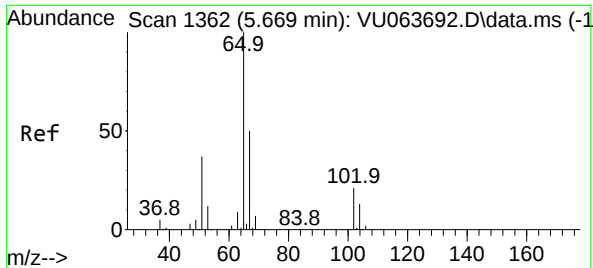
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#32
1,1,1-Trichloroethane
Concen: 0.294 ug/l
RT: 5.284 min Scan# 1242
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

Tgt Ion: 97 Resp: 945
Ion Ratio Lower Upper
97 100
99 0.0 49.8 74.8
61 42.0 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 48.333 ug/l

RT: 5.673 min Scan# 1362

Delta R.T. 0.003 min

Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 65 Resp: 138510

Ion Ratio Lower Upper

65 100

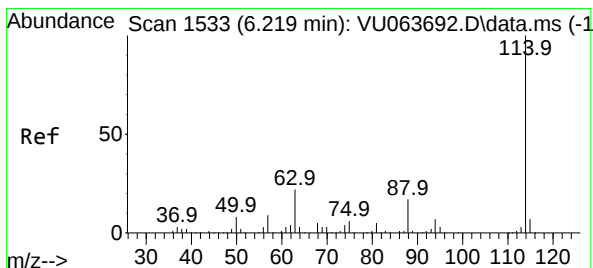
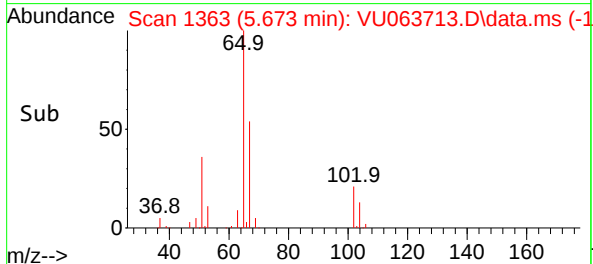
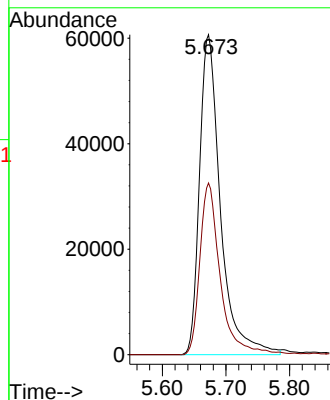
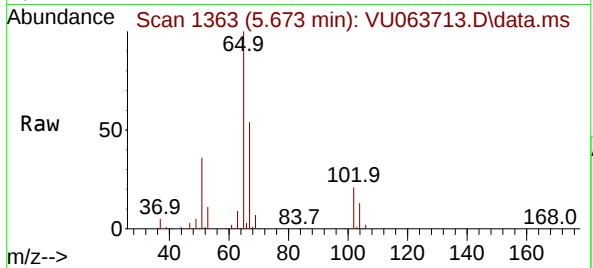
67 52.2 0.0 101.8

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: 6.222 min Scan# 1534

Delta R.T. 0.003 min

Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

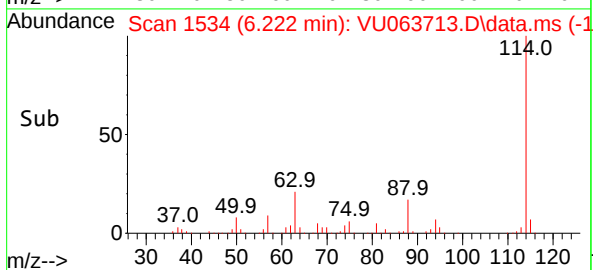
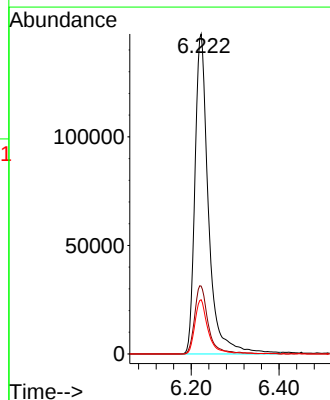
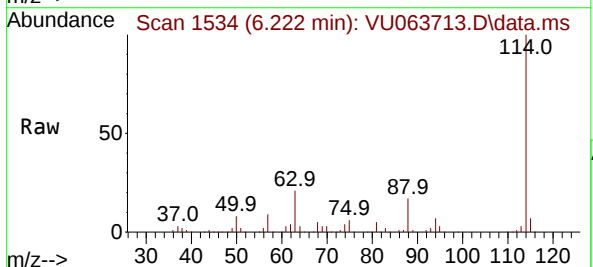
Tgt Ion:114 Resp: 316196

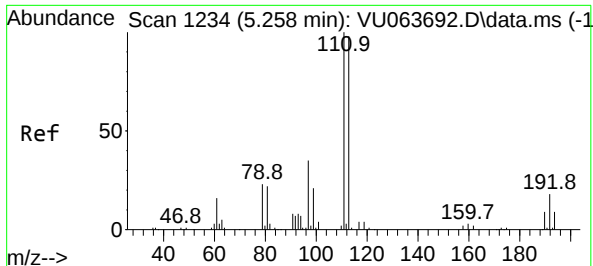
Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.0

88 16.9 0.0 33.6





#35

Dibromofluoromethane

Concen: 48.109 ug/l

RT: 5.258 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion:113 Resp: 10654

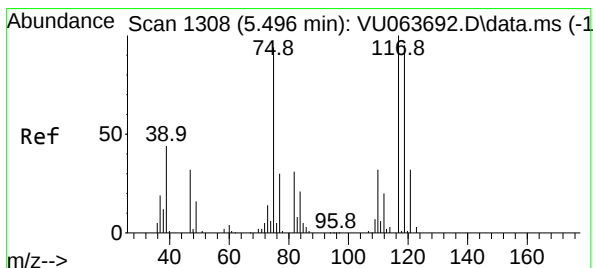
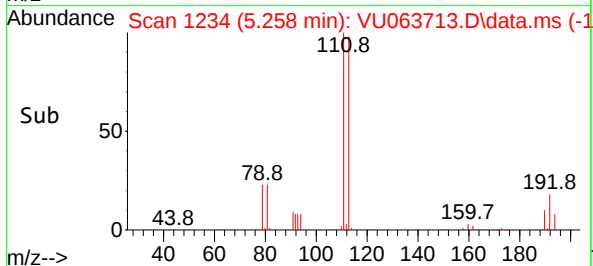
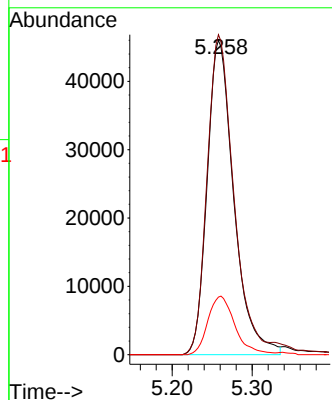
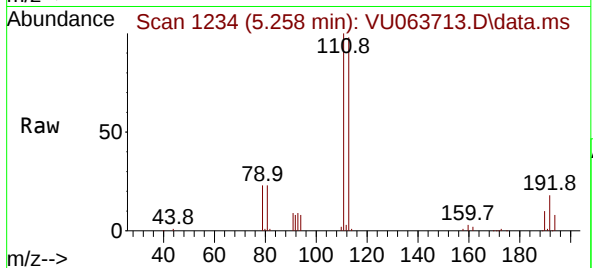
Ion	Ratio	Lower	Upper
113	100		
111	105.2	82.4	123.6
192	19.0	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#36

1,1-Dichloropropene

Concen: 0.816 ug/l

RT: 5.502 min Scan# 1310

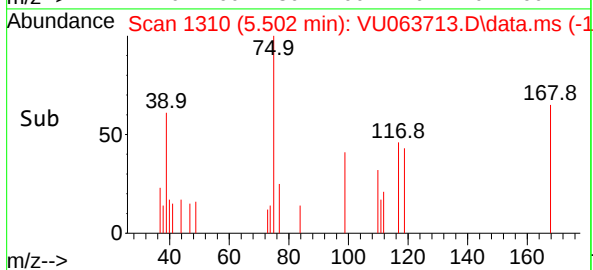
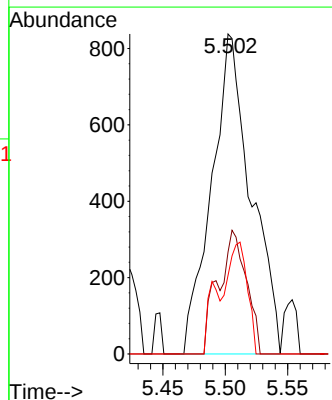
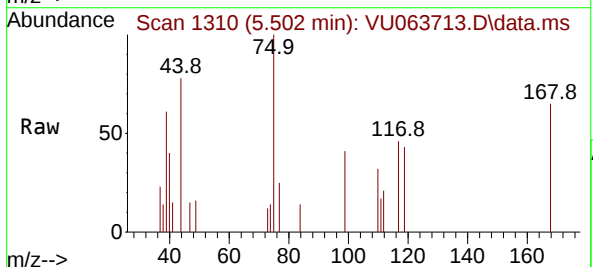
Delta R.T. 0.006 min

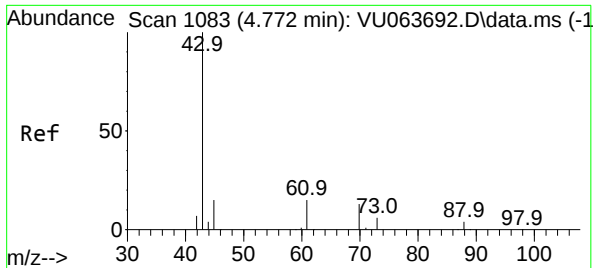
Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

Tgt Ion: 75 Resp: 1840

Ion	Ratio	Lower	Upper
75	100		
110	27.7	17.3	51.7
77	17.9	24.4	36.6





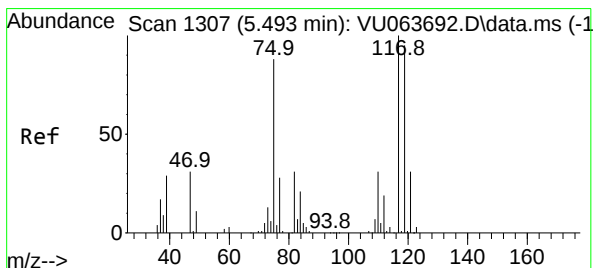
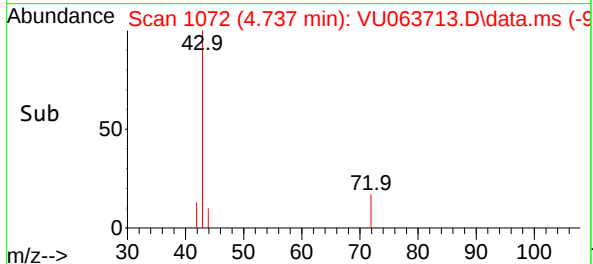
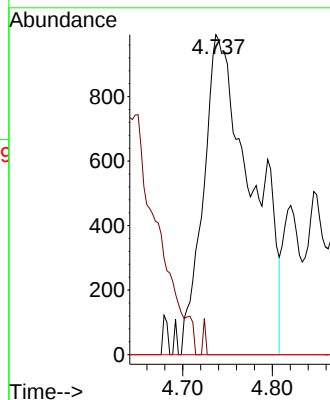
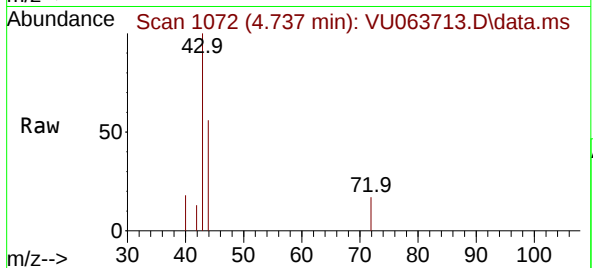
#37
Ethyl Acetate
Concen: 1.162 ug/l m
RT: 4.737 min Scan# 1083
Delta R.T. -0.035 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

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

Tgt Ion: 43 Resp: 3710
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5
70 0.0 8.9 13.3

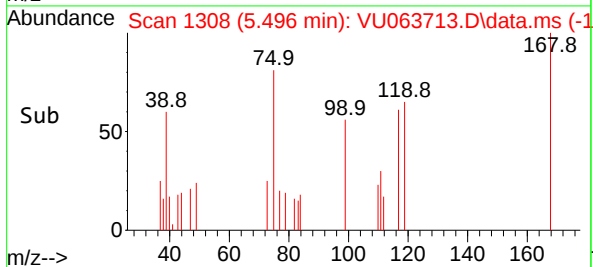
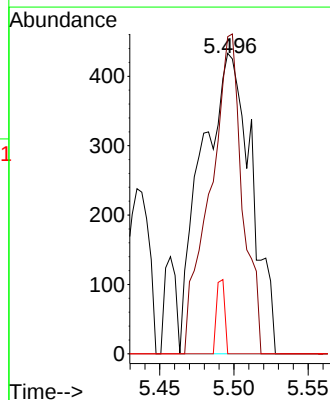
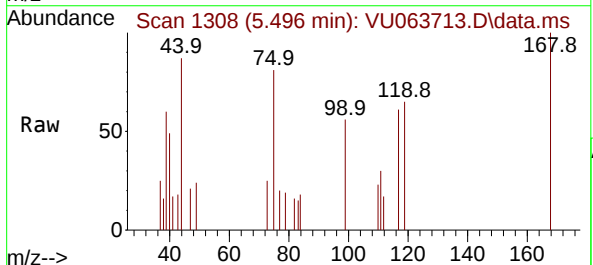
Manual Integrations
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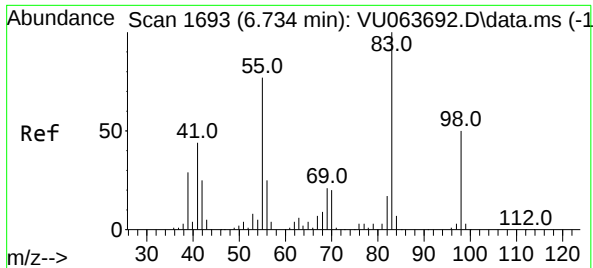
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#38
Carbon Tetrachloride
Concen: 0.412 ug/l
RT: 5.496 min Scan# 1308
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

Tgt Ion:117 Resp: 1004
Ion Ratio Lower Upper
117 100
119 105.5 76.1 114.1
121 0.0 24.6 37.0





#39

Methylcyclohexane

Concen: 0.478 ug/l

RT: 6.737 min Scan# 1693

Delta R.T. 0.003 min

Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 83 Resp: 122

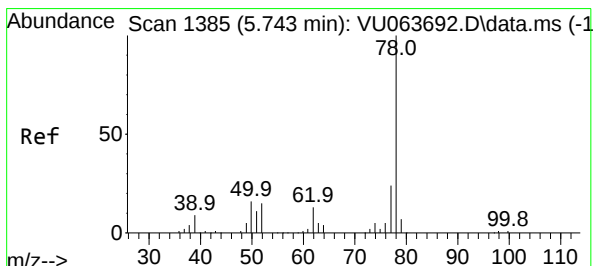
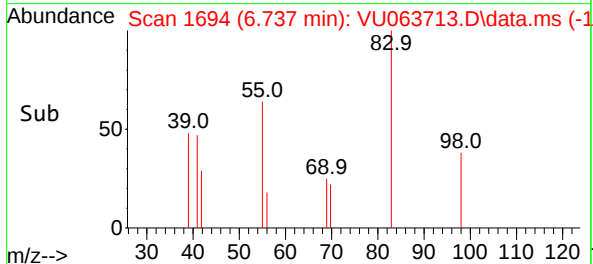
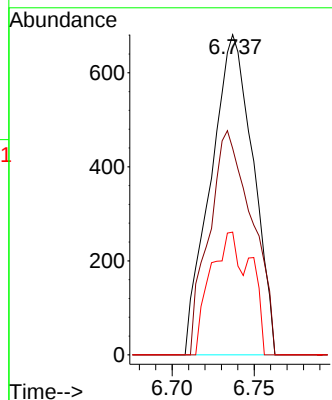
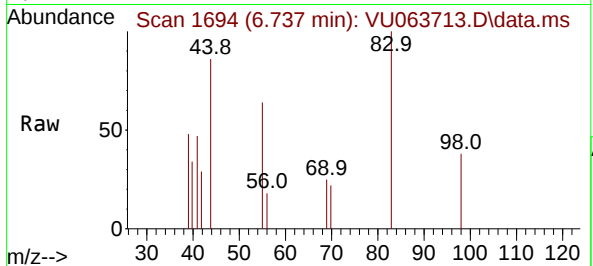
Ion	Ratio	Lower	Upper
83	100		
55	64.5	61.6	92.4
98	38.3	40.0	60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#40

Benzene

Concen: 0.518 ug/l

RT: 5.753 min Scan# 1388

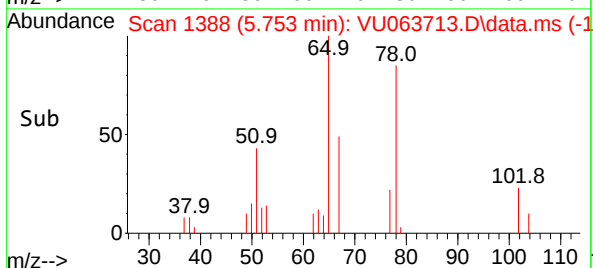
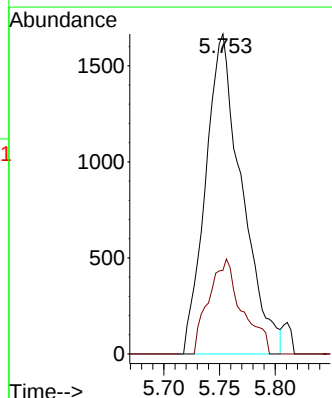
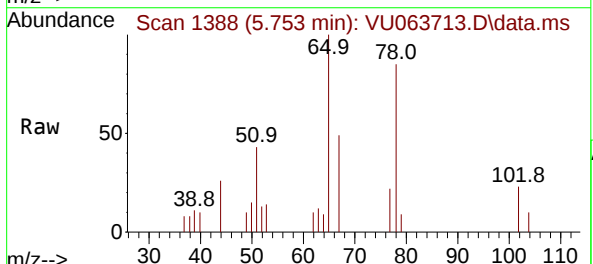
Delta R.T. 0.010 min

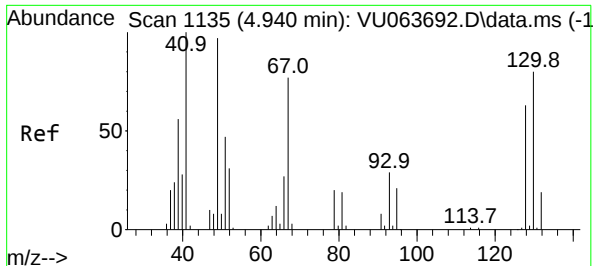
Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

Tgt Ion: 78 Resp: 3771

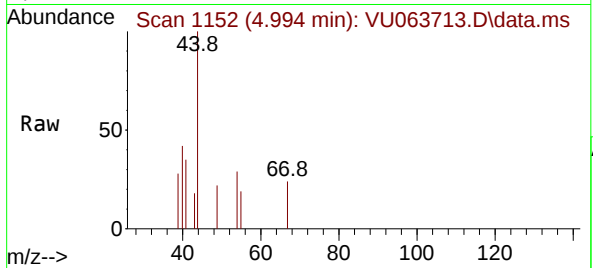
Ion	Ratio	Lower	Upper
78	100		
77	26.2	18.9	28.3





#41
Methacrylonitrile
Concen: 0.199 ug/l
RT: 4.994 min Scan# 1152
Delta R.T. 0.055 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

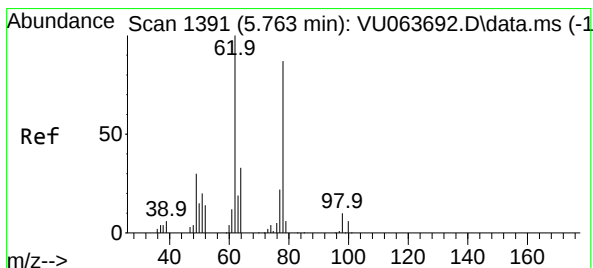
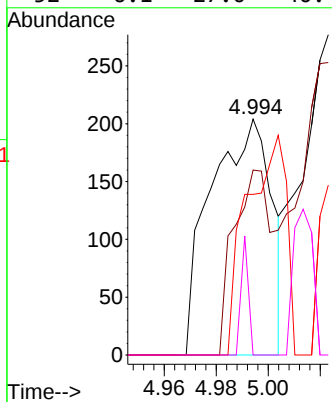
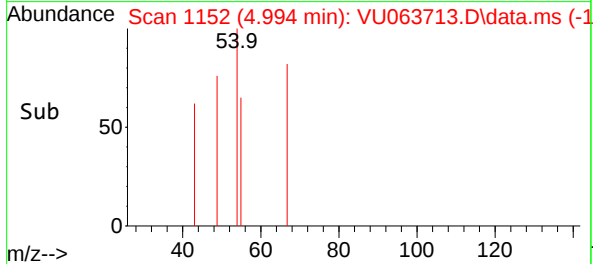
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 41 Resp: 330
Ion Ratio Lower Upper
41 100
39 51.2 44.7 67.1
67 60.3 67.4 101.2
52 6.1 27.0 40.4

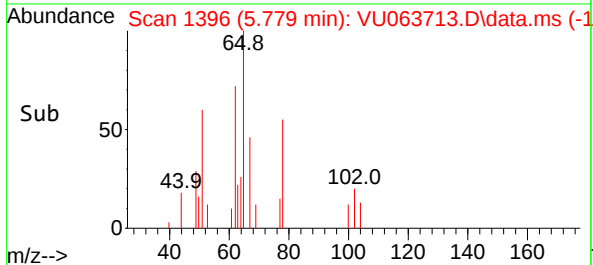
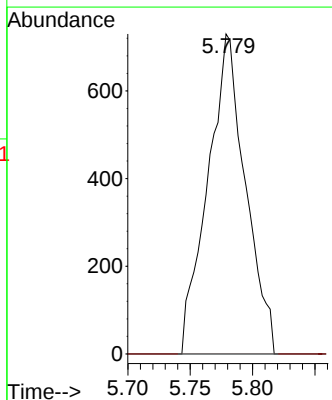
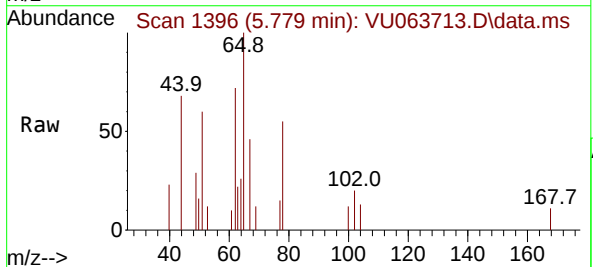
Manual Integrations
APPROVED

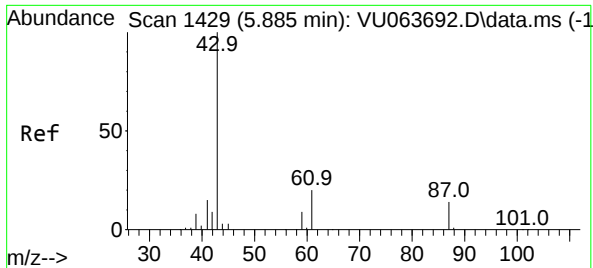
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#42
1,2-Dichloroethane
Concen: 0.535 ug/l
RT: 5.779 min Scan# 1396
Delta R.T. 0.016 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

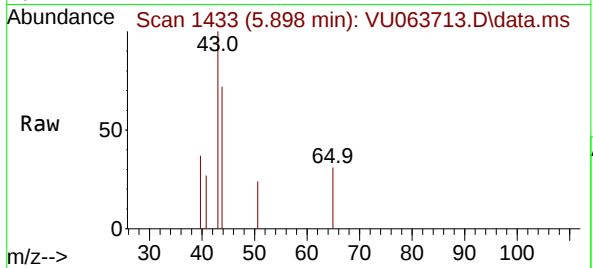
Tgt Ion: 62 Resp: 1534
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2





#43
Isopropyl Acetate
Concen: 0.497 ug/l m
RT: 5.898 min Scan# 1429
Delta R.T. 0.013 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

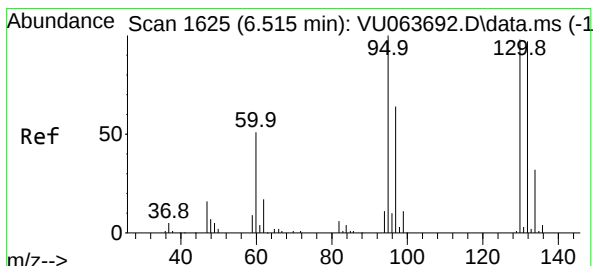
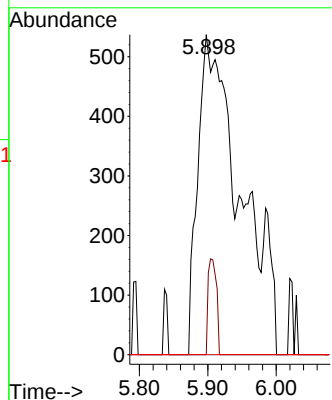
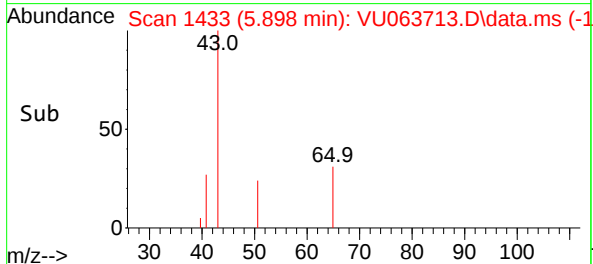
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion: 43 Resp: 232
Ion Ratio Lower Upper
43 100
61 5.8 15.9 23.9
87 0.0 11.0 16.6

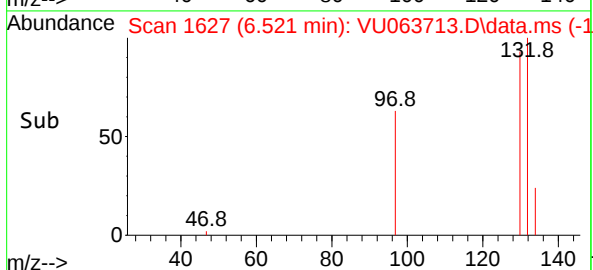
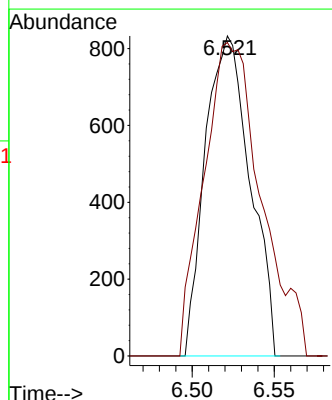
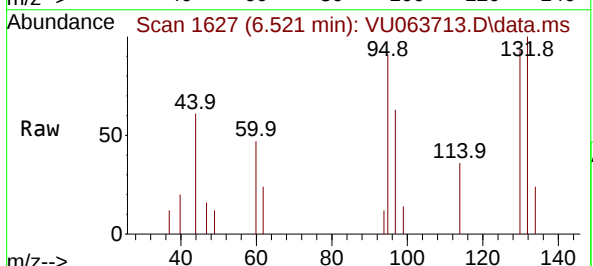
Manual Integrations
APPROVED

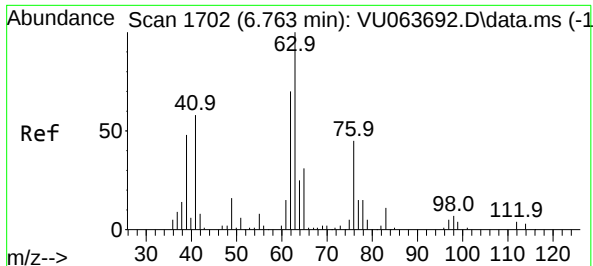
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#44
Trichloroethene
Concen: 0.777 ug/l
RT: 6.521 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

Tgt Ion:130 Resp: 1585
Ion Ratio Lower Upper
130 100
95 98.0 0.0 203.6





#45

1,2-Dichloropropane

Concen: 0.328 ug/l

RT: 6.766 min Scan# 1702

Delta R.T. 0.003 min

Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

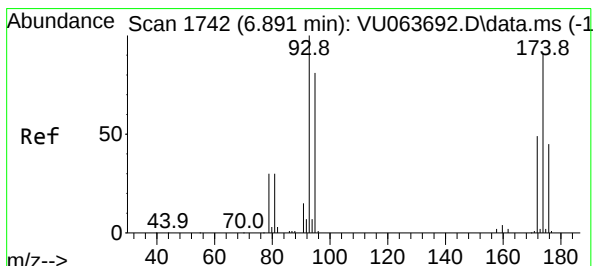
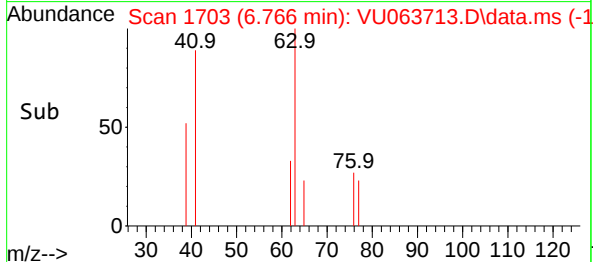
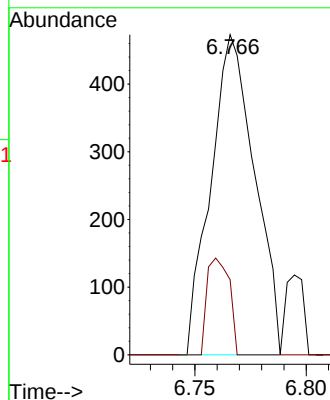
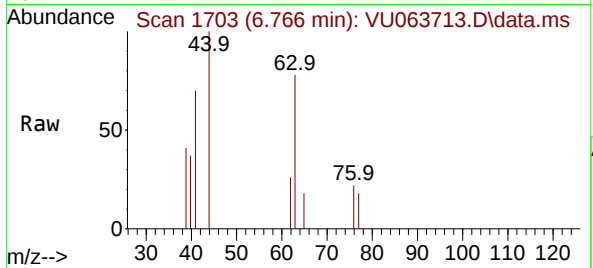
Tgt Ion: 63 Resp: 649
 Ion Ratio Lower Upper
 63 100
 65 23.5 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#46

Dibromomethane

Concen: 0.704 ug/l

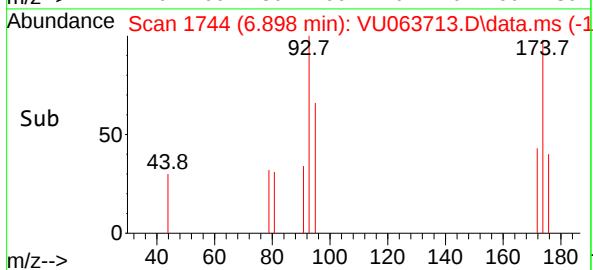
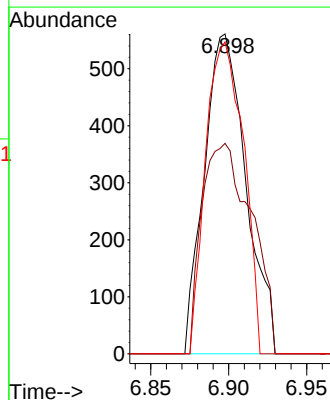
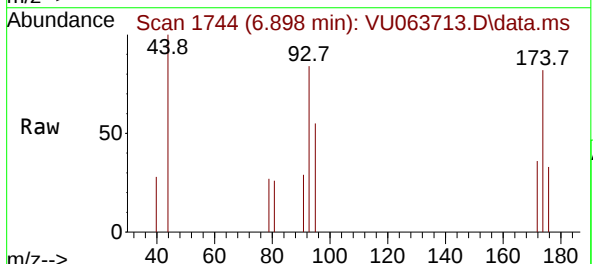
RT: 6.898 min Scan# 1744

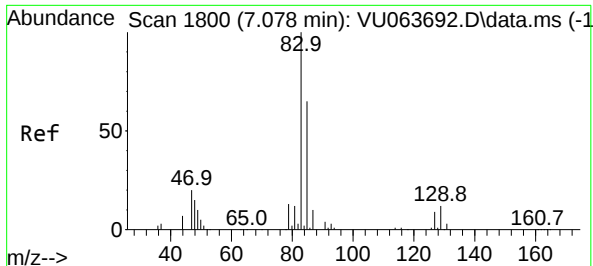
Delta R.T. 0.006 min

Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

Tgt Ion: 93 Resp: 1045
 Ion Ratio Lower Upper
 93 100
 95 78.2 65.9 98.9
 174 88.6 74.9 112.3





#47

Bromodichloromethane

Concen: 0.425 ug/l

RT: 7.081 min Scan# 1800

Delta R.T. 0.003 min

Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

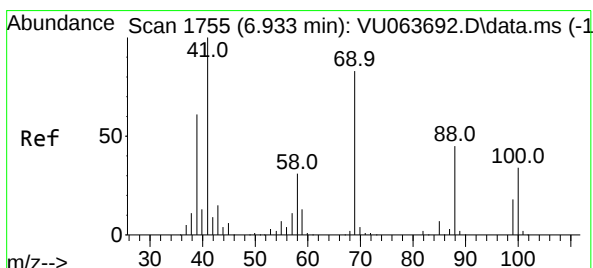
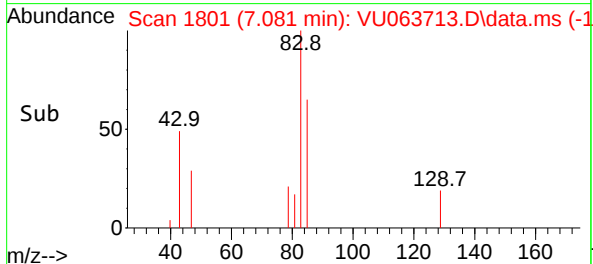
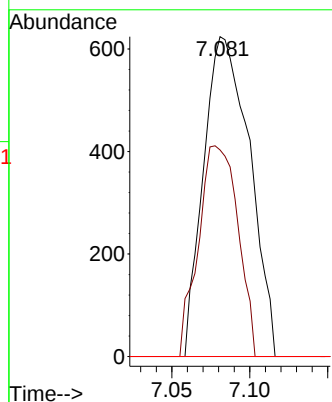
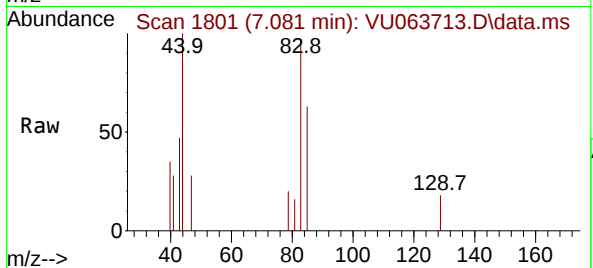
Tgt Ion: 83	Resp: 1279
Ion Ratio	Lower Upper
83	100
85	64.6 51.9 77.9
127	0.0 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#48

Methyl methacrylate

Concen: 0.495 ug/l m

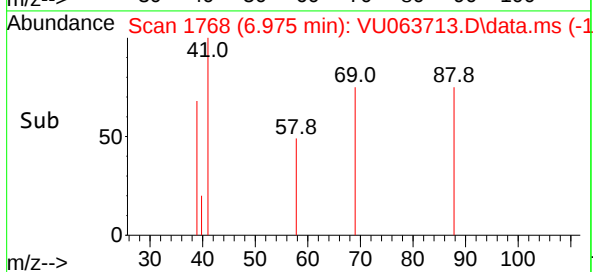
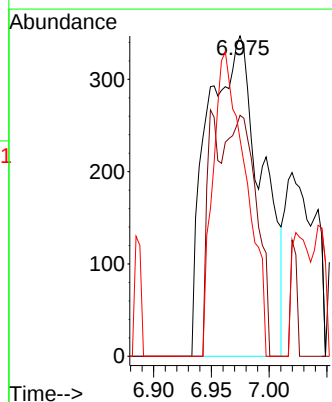
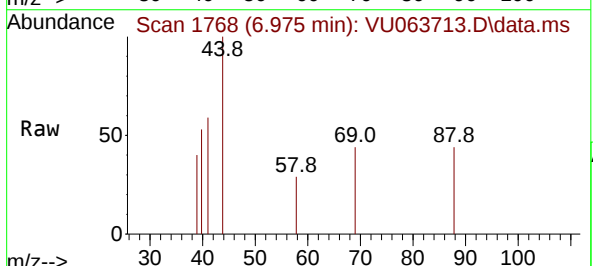
RT: 6.975 min Scan# 1768

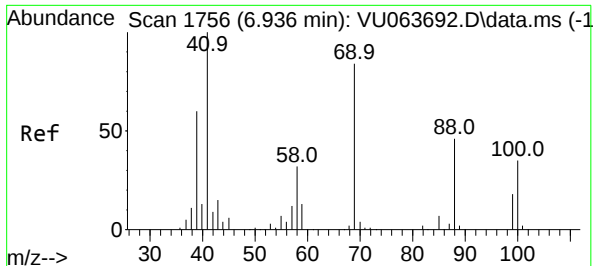
Delta R.T. 0.042 min

Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

Tgt Ion: 41	Resp: 1136
Ion Ratio	Lower Upper
41	100
69	19.2 72.9 109.3
39	57.4 51.0 76.4





#49

1,4-Dioxane

Concen: 11.539 ug/l m

RT: 6.972 min Scan# 1

Delta R.T. 0.035 min

Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

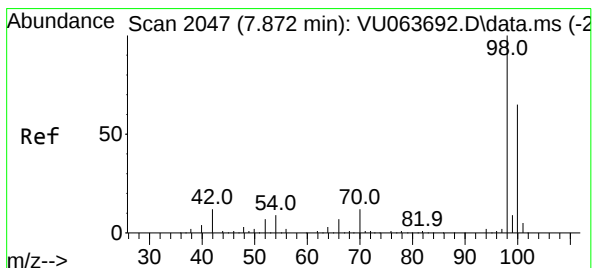
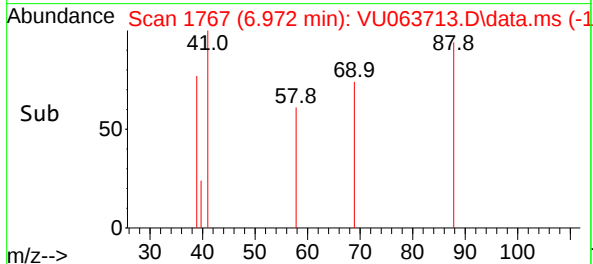
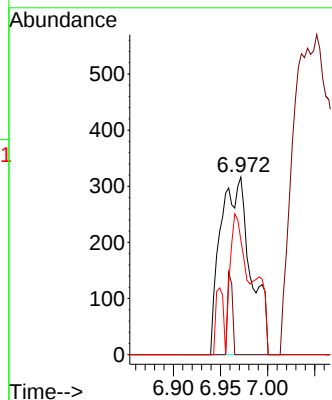
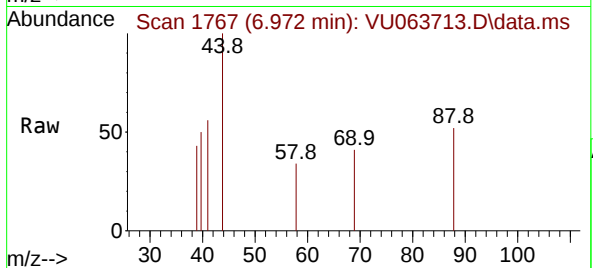
Tgt Ion: 88	Resp: 702
Ion Ratio	Lower Upper
88 100	
43 7.5	24.1 36.1
58 39.9	54.2 81.4

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#50

Toluene-d8

Concen: 47.999 ug/l

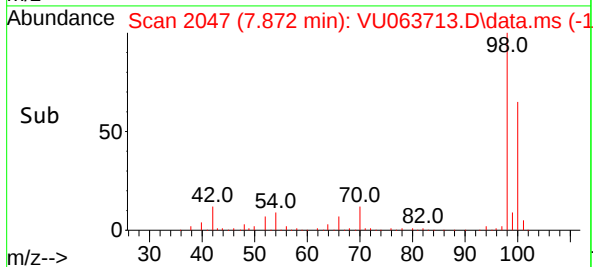
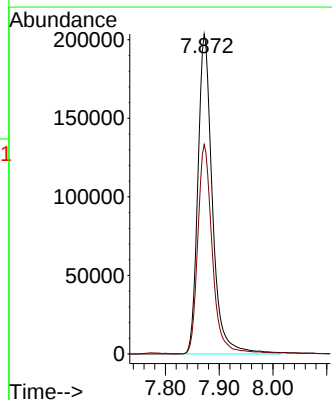
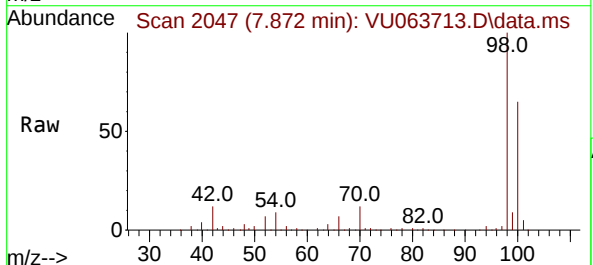
RT: 7.872 min Scan# 2047

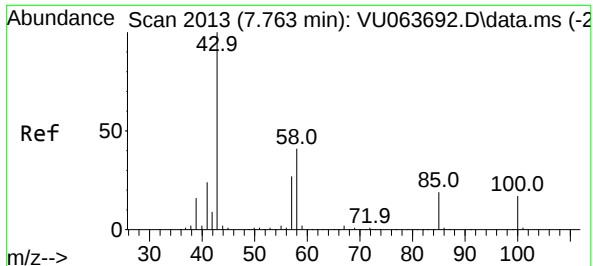
Delta R.T. -0.000 min

Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

Tgt Ion: 98	Resp: 381885
Ion Ratio	Lower Upper
98 100	
100 66.0	52.5 78.7





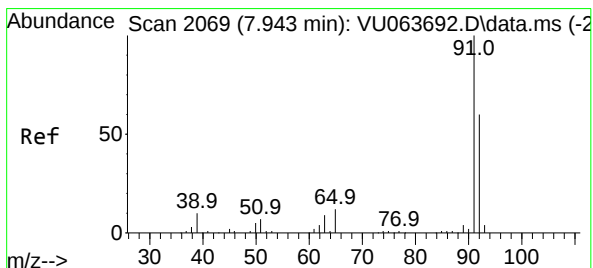
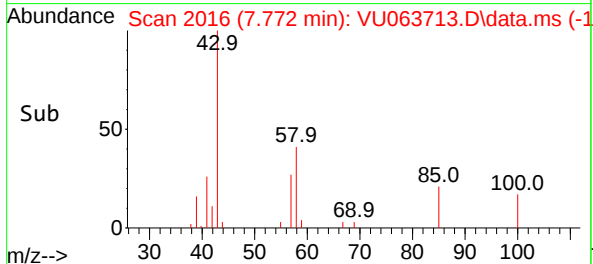
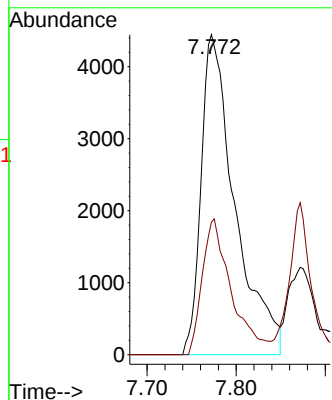
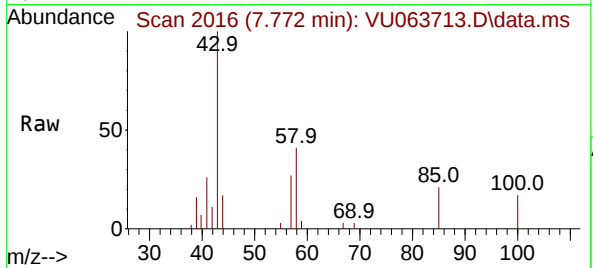
#51
4-Methyl-2-Pentanone
Concen: 3.271 ug/l
RT: 7.772 min Scan# 2016
Delta R.T. 0.010 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

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

Tgt Ion: 43 Resp: 1171
Ion Ratio Lower Upper
43 100
58 36.6 32.3 48.5

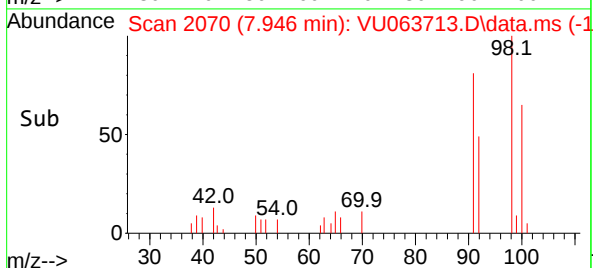
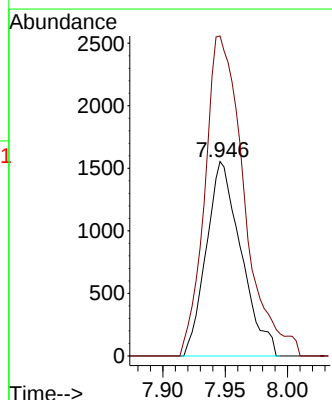
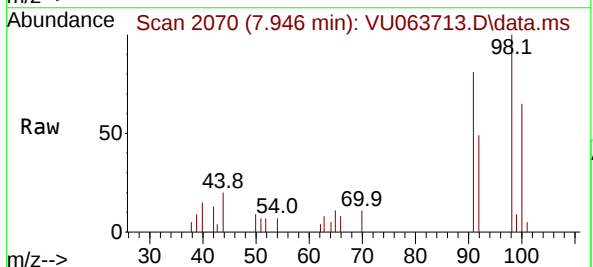
Manual Integrations
APPROVED

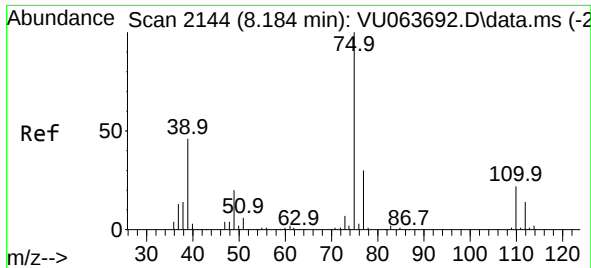
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#52
Toluene
Concen: 0.640 ug/l
RT: 7.946 min Scan# 2070
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

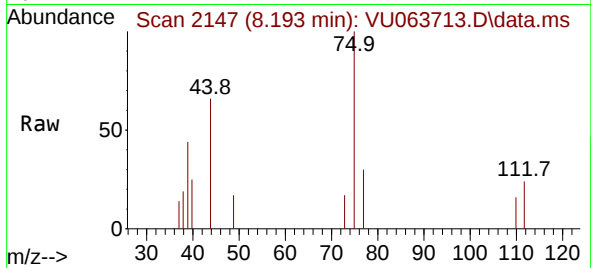
Tgt Ion: 92 Resp: 3022
Ion Ratio Lower Upper
92 100
91 185.4 136.6 204.8





#53
 t-1,3-Dichloropropene
 Concen: 0.643 ug/l
 RT: 8.193 min Scan# 2147
 Delta R.T. 0.010 min
 Lab File: VU063713.D
 Acq: 12 Nov 2025 12:17

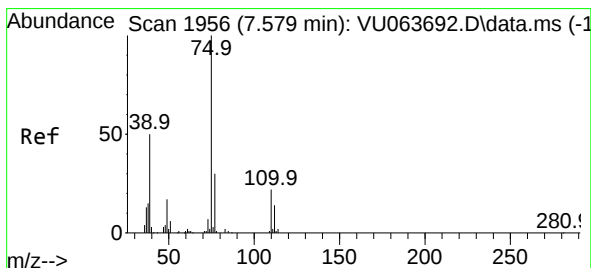
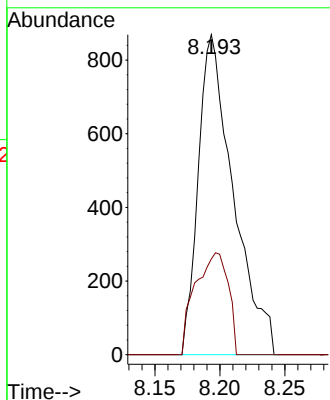
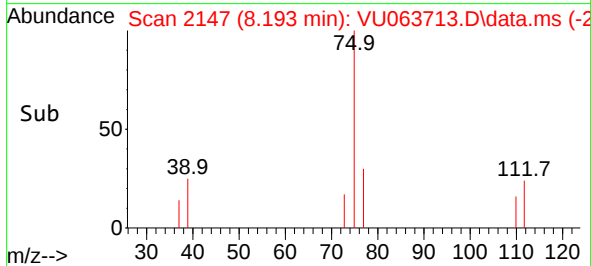
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025



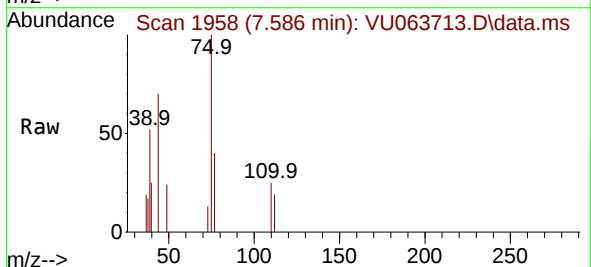
Tgt Ion: 75 Resp: 163
 Ion Ratio Lower Upper
 75 100
 77 29.9 24.3 36.5

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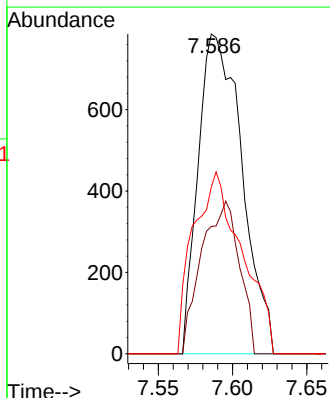
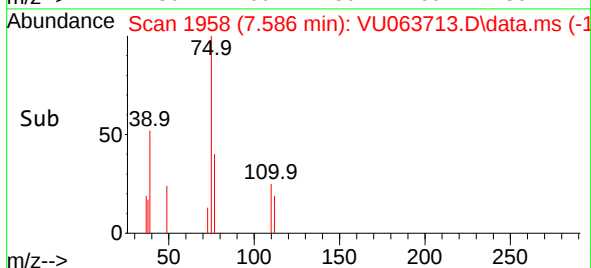
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

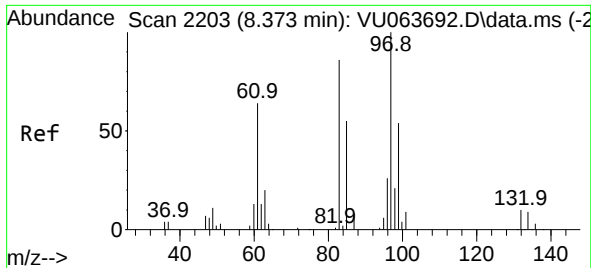


#54
 cis-1,3-Dichloropropene
 Concen: 0.567 ug/l
 RT: 7.586 min Scan# 1958
 Delta R.T. 0.006 min
 Lab File: VU063713.D
 Acq: 12 Nov 2025 12:17



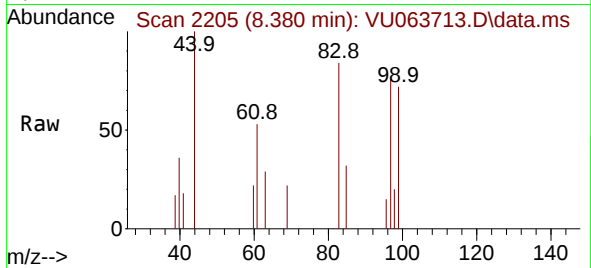
Tgt Ion: 75 Resp: 1610
 Ion Ratio Lower Upper
 75 100
 77 39.8 24.3 36.5#
 39 52.2 40.2 60.2





#55
1,1,2-Trichloroethane
Concen: 0.427 ug/l
RT: 8.380 min Scan# 2185
Delta R.T. 0.006 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

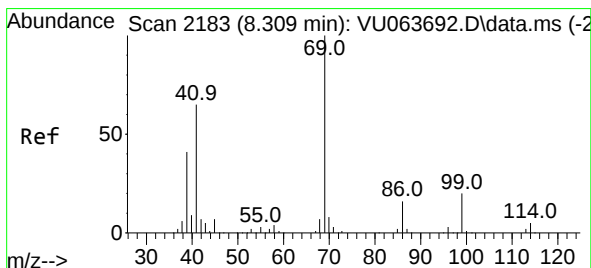
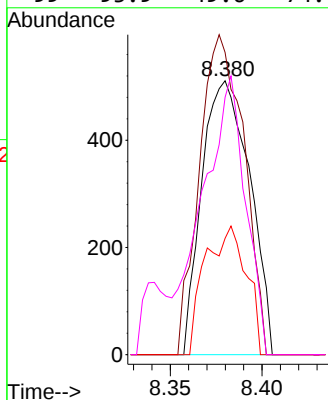
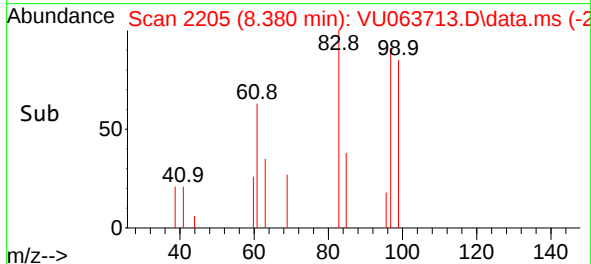
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion	Ratio	Lower	Upper
97	100		
83	110.4	69.0	103.4
85	42.5	44.2	66.4
99	93.9	49.6	74.4

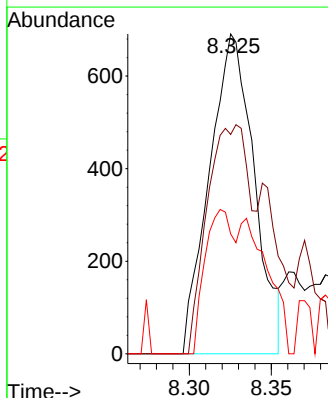
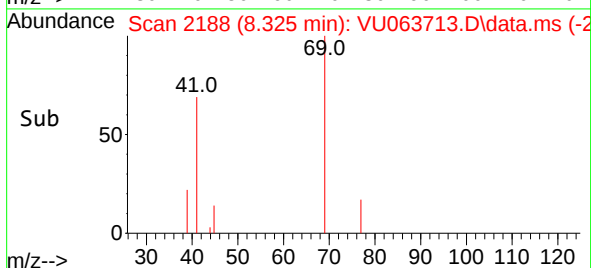
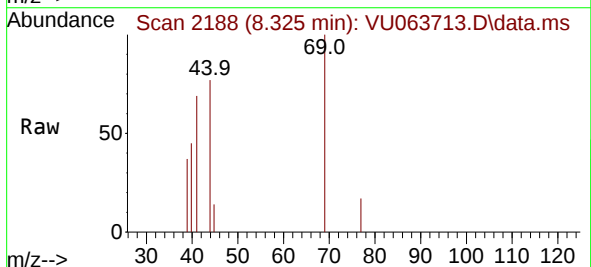
Manual Integrations
APPROVED

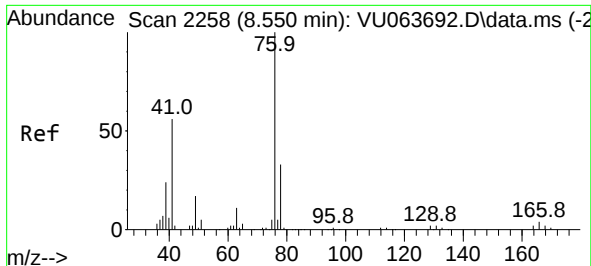
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#56
Ethyl methacrylate
Concen: 0.410 ug/l
RT: 8.325 min Scan# 2188
Delta R.T. 0.016 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

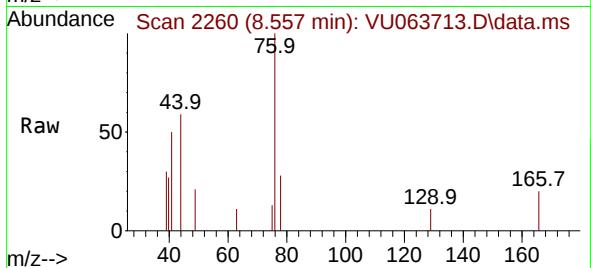
Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.3	51.4	77.2
39	29.4	32.2	48.4





#57
1,3-Dichloropropane
Concen: 0.542 ug/l
RT: 8.557 min Scan# 2117
Delta R.T. 0.006 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

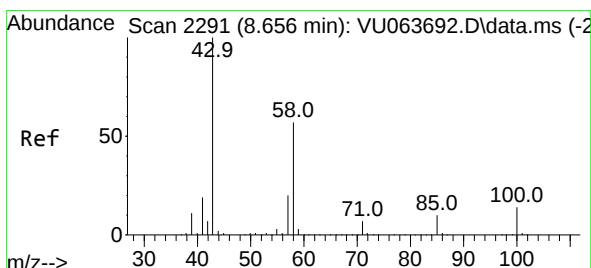
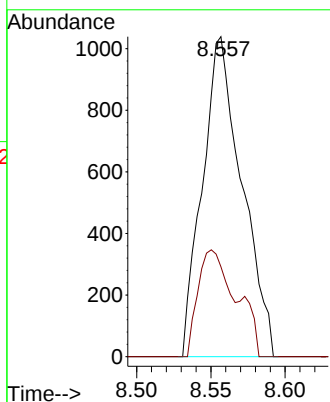
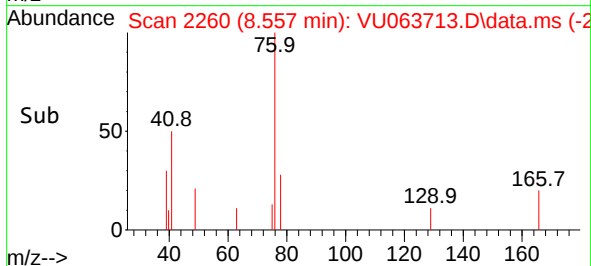
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 76 Resp: 1917
Ion Ratio Lower Upper
76 100
78 32.3 26.2 39.4

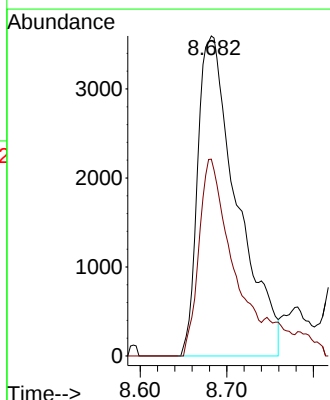
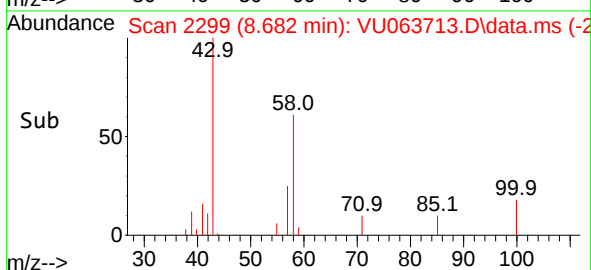
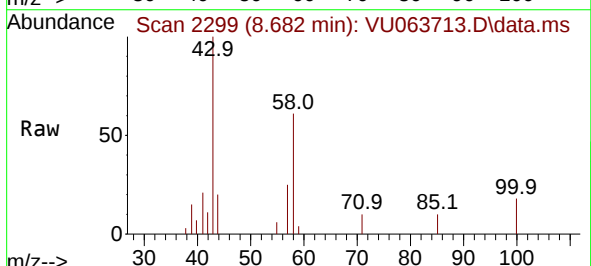
Manual Integrations
APPROVED

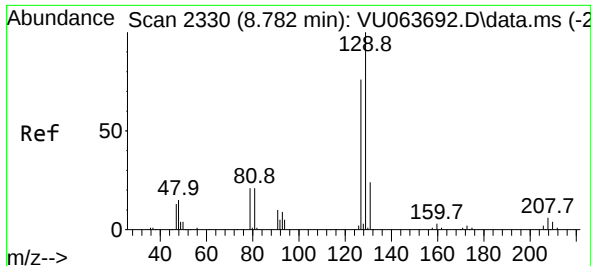
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#59
2-Hexanone
Concen: 4.238 ug/l
RT: 8.682 min Scan# 2299
Delta R.T. 0.026 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

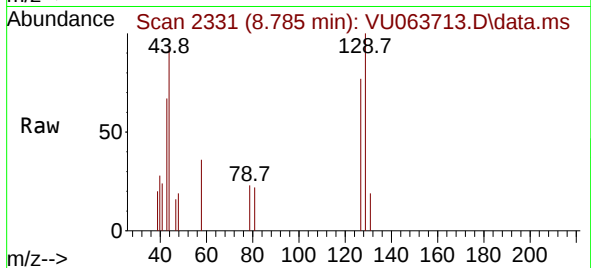
Tgt Ion: 43 Resp: 11300
Ion Ratio Lower Upper
43 100
58 51.7 28.4 85.3





#60
Dibromochloromethane
Concen: 0.502 ug/l
RT: 8.785 min Scan# 2114
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

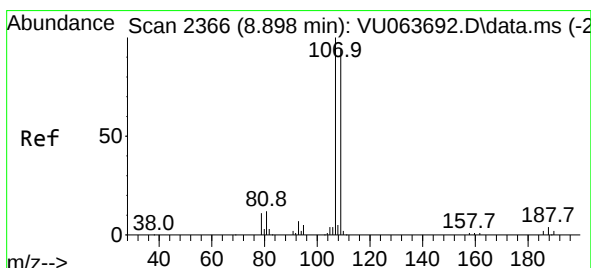
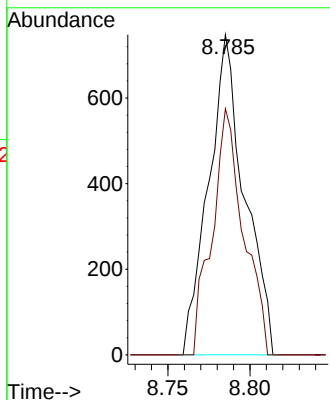
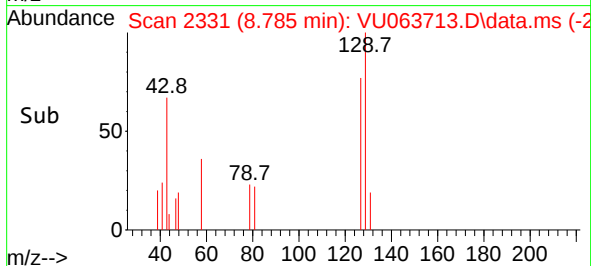
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



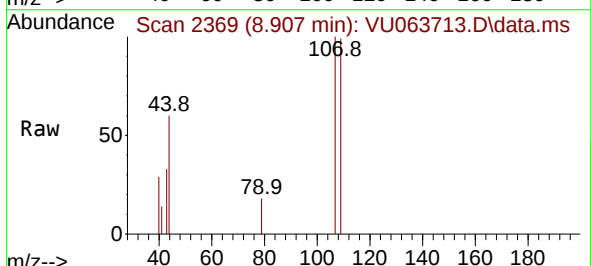
Tgt Ion:129 Resp: 1140
Ion Ratio Lower Upper
129 100
127 66.8 38.2 114.6

Manual Integrations
APPROVED

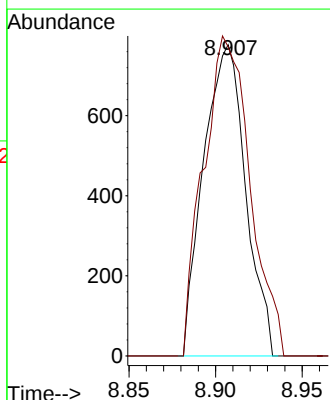
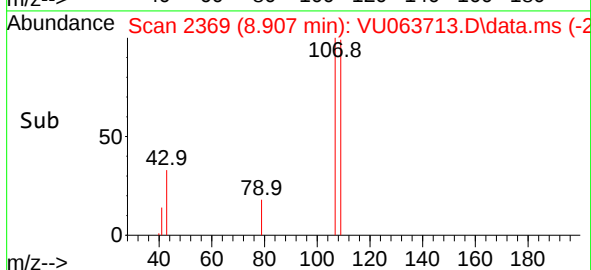
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

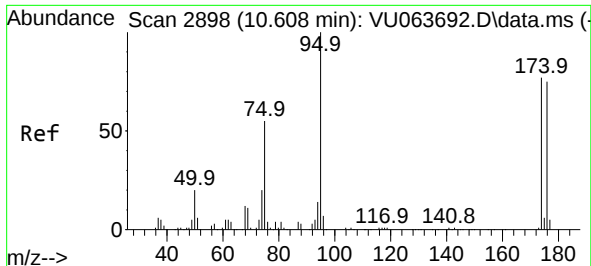


#61
1,2-Dibromoethane
Concen: 0.629 ug/l
RT: 8.907 min Scan# 2369
Delta R.T. 0.010 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17



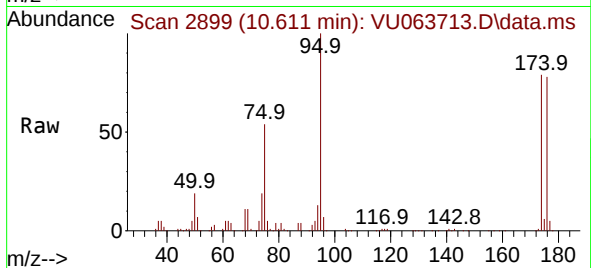
Tgt Ion:107 Resp: 1313
Ion Ratio Lower Upper
107 100
109 114.1 73.8 110.8#





#62
4-Bromofluorobenzene
Concen: 48.003 ug/l
RT: 10.611 min Scan# 2899
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

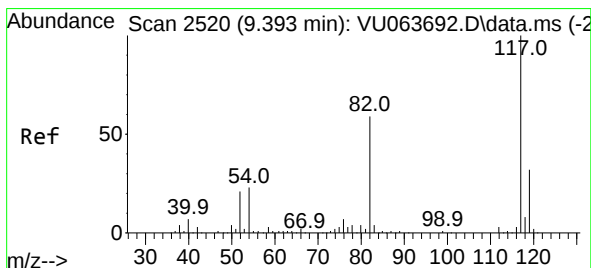
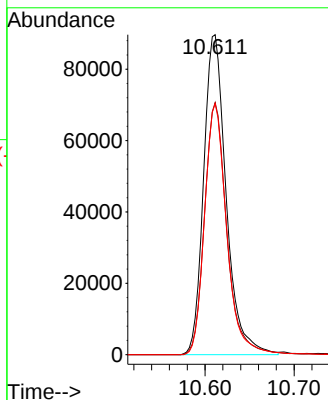
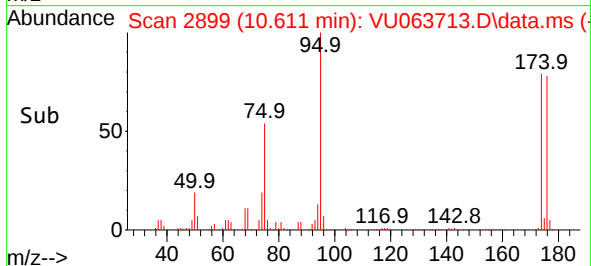
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 95 Resp: 15798
Ion Ratio Lower Upper
95 100
174 77.7 0.0 154.6
176 77.1 0.0 148.4

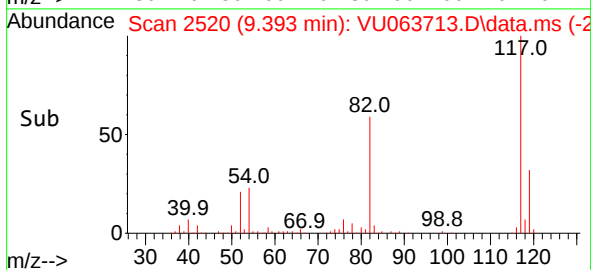
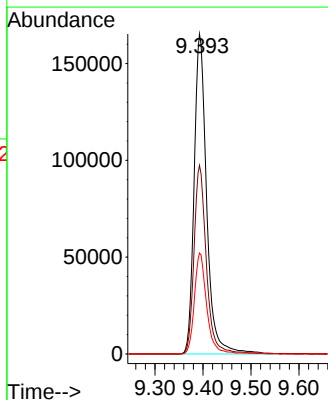
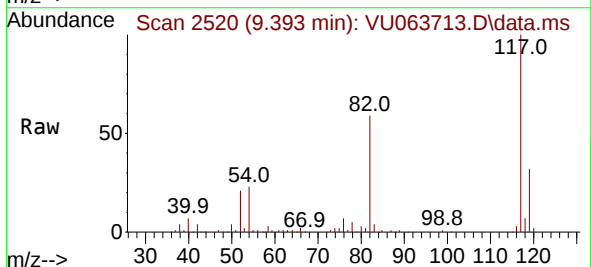
Manual Integrations
APPROVED

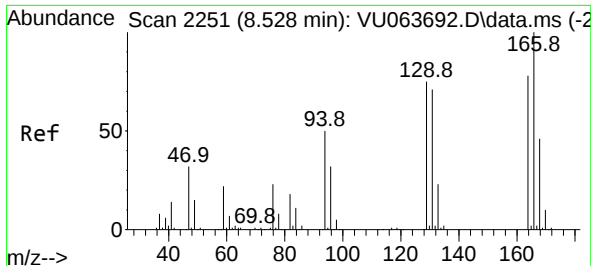
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.393 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

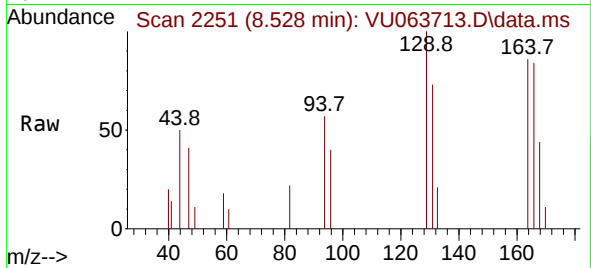
Tgt Ion:117 Resp: 300432
Ion Ratio Lower Upper
117 100
82 59.0 46.9 70.3
119 31.5 25.8 38.8





#64
Tetrachloroethene
Concen: 0.721 ug/l
RT: 8.528 min Scan# 2139
Delta R.T. -0.000 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

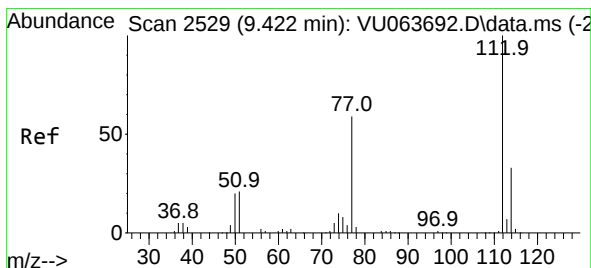
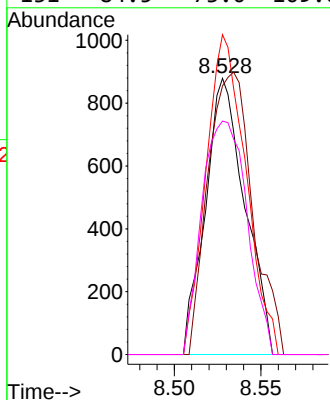
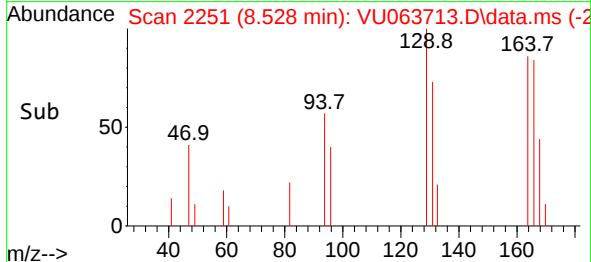
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion:164 Resp: 139
Ion Ratio Lower Upper
164 100
166 97.3 102.5 153.7
129 115.8 77.1 115.7
131 84.5 73.0 109.6

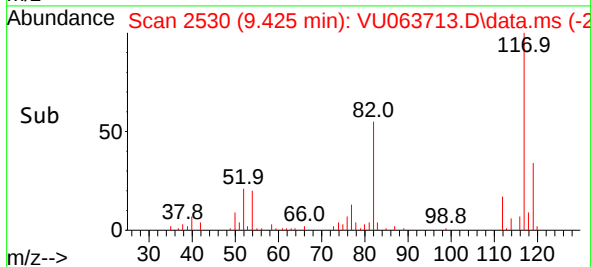
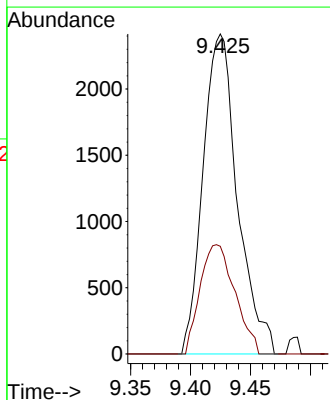
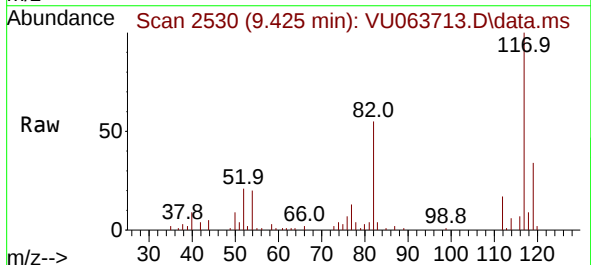
Manual Integrations
APPROVED

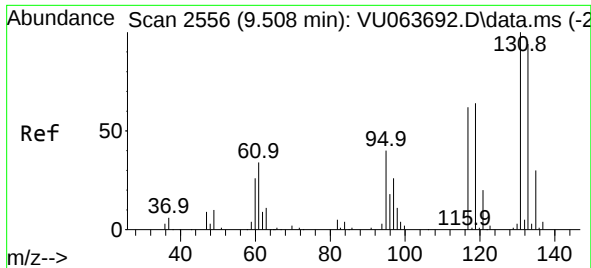
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#65
Chlorobenzene
Concen: 0.821 ug/l
RT: 9.425 min Scan# 2530
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

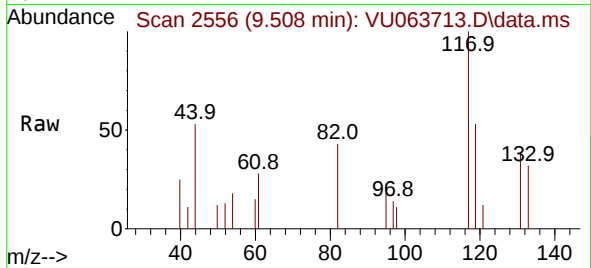
Tgt Ion:112 Resp: 4819
Ion Ratio Lower Upper
112 100
114 33.7 26.2 39.2





#66
1,1,1,2-Tetrachloroethane
Concen: 0.289 ug/l
RT: 9.508 min Scan# 2556
Delta R.T. -0.000 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

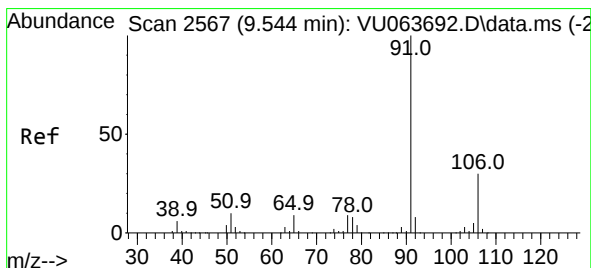
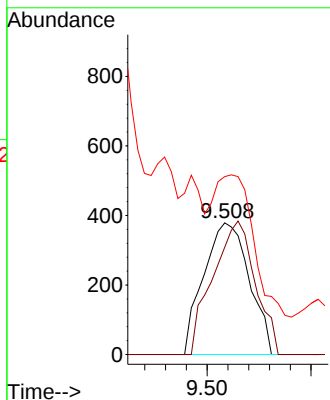
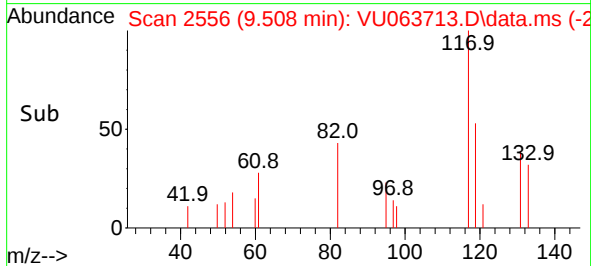
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



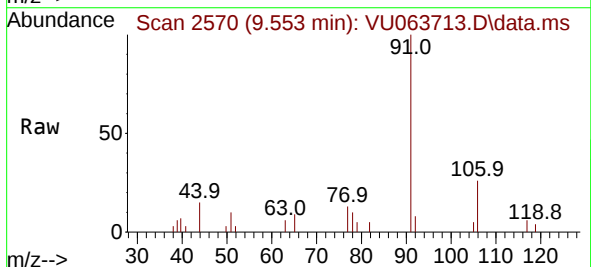
Tgt Ion:131 Resp: 578
Ion Ratio Lower Upper
131 100
133 94.3 47.5 142.5
119 0.0 33.3 99.8

Manual Integrations
APPROVED

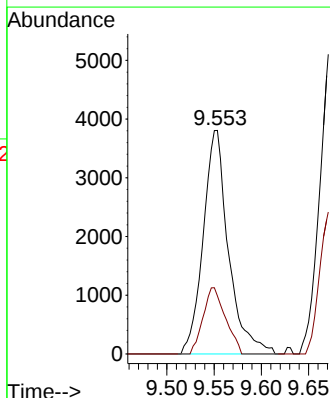
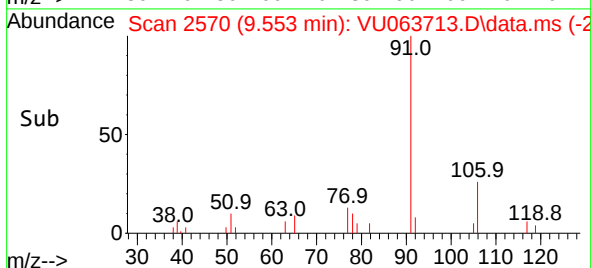
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

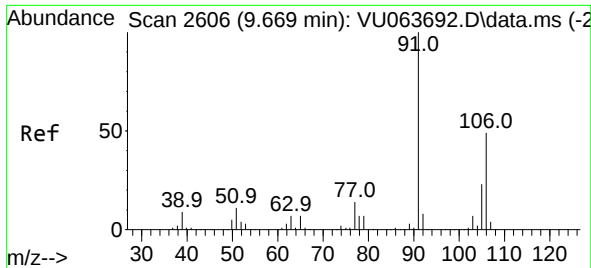


#67
Ethyl Benzene
Concen: 0.723 ug/l
RT: 9.553 min Scan# 2570
Delta R.T. 0.010 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17



Tgt Ion: 91 Resp: 7072
Ion Ratio Lower Upper
91 100
106 26.0 23.8 35.8





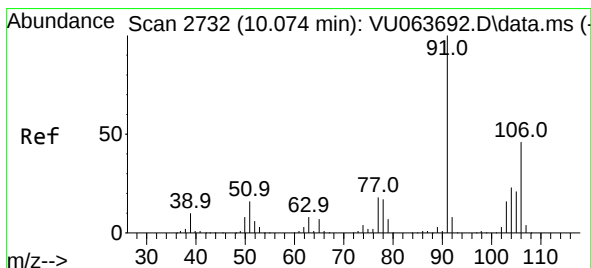
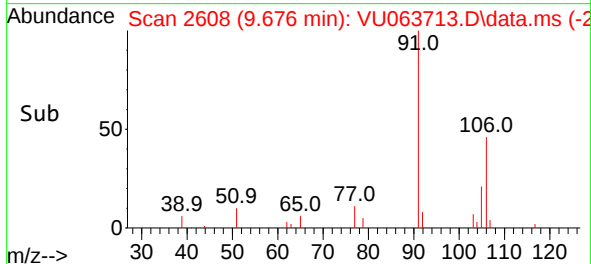
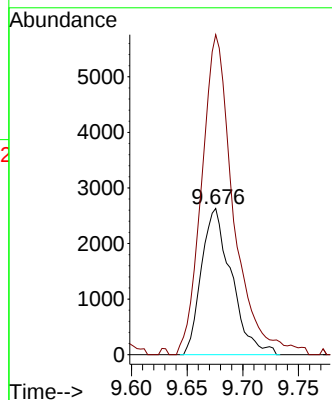
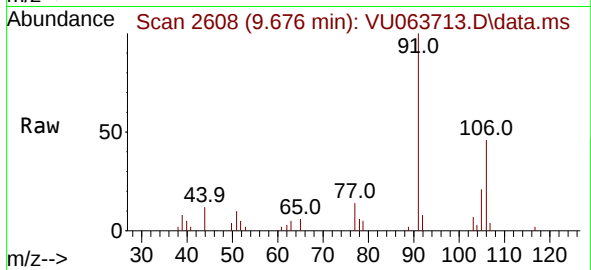
#68
m/p-Xylenes
Concen: 1.372 ug/l
RT: 9.676 min Scan# 2608
Delta R.T. 0.006 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

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

Tgt Ion:106 Resp: 4950
Ion Ratio Lower Upper
106 100
91 231.6 165.7 248.5

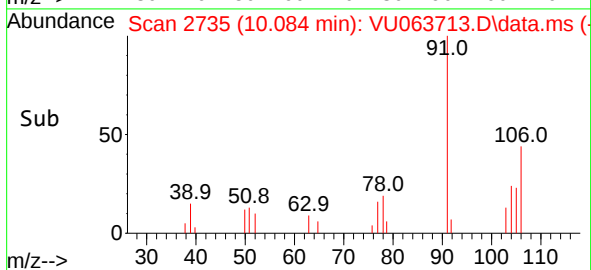
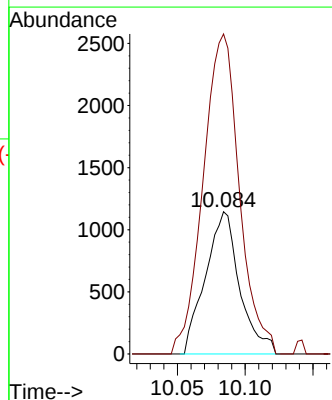
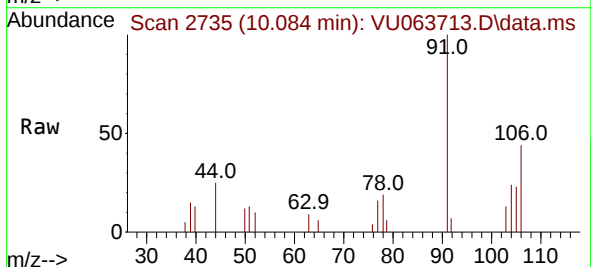
Manual Integrations
APPROVED

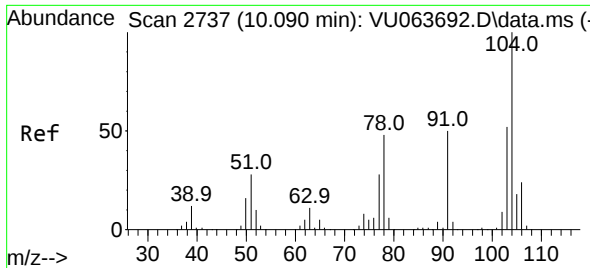
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#69
o-Xylene
Concen: 0.541 ug/l
RT: 10.084 min Scan# 2735
Delta R.T. 0.010 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

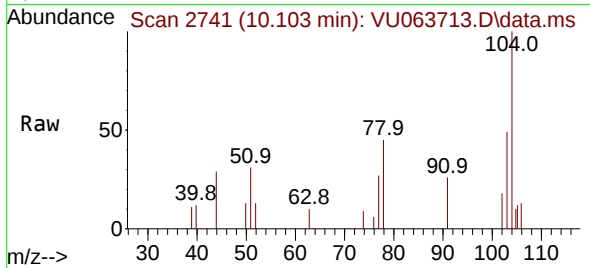
Tgt Ion:106 Resp: 2014
Ion Ratio Lower Upper
106 100
91 237.1 108.7 325.9





#70
Styrene
Concen: 0.796 ug/l
RT: 10.103 min Scan# 2741
Delta R.T. 0.013 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

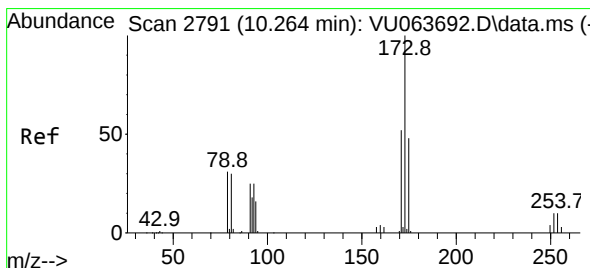
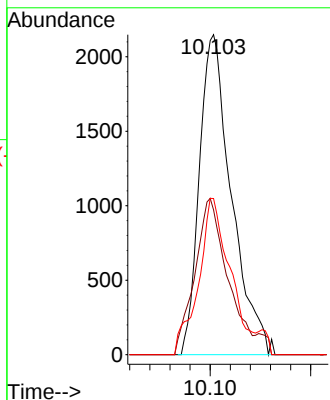
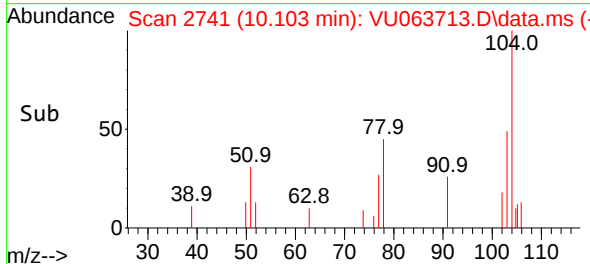
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:104 Resp: 4759
Ion Ratio Lower Upper
104 100
78 50.0 42.7 64.1
103 48.2 44.0 66.0

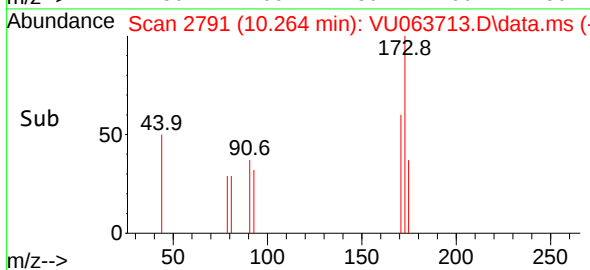
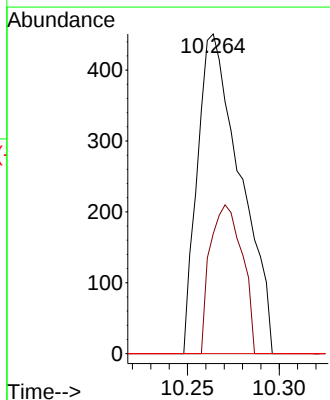
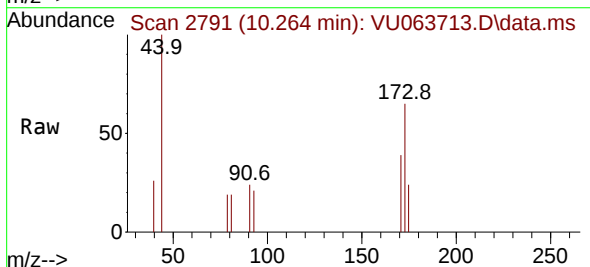
Manual Integrations
APPROVED

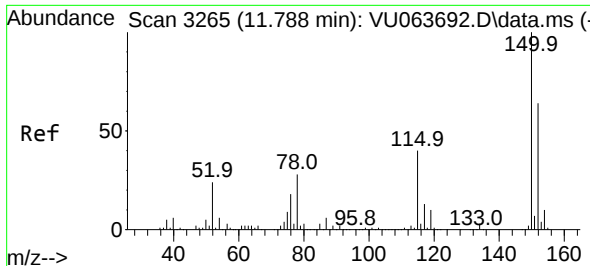
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#71
Bromoform
Concen: 0.455 ug/l
RT: 10.264 min Scan# 2791
Delta R.T. -0.000 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

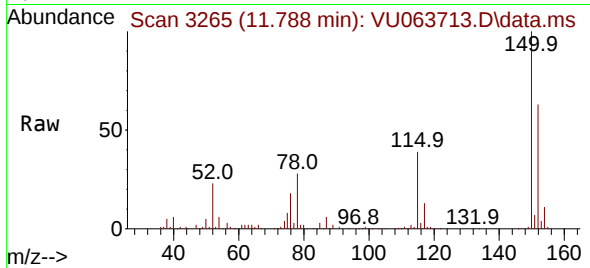
Tgt Ion:173 Resp: 732
Ion Ratio Lower Upper
173 100
175 34.7 24.1 72.2
254 0.0 0.0 0.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.788 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU063713.D
 Acq: 12 Nov 2025 12:17

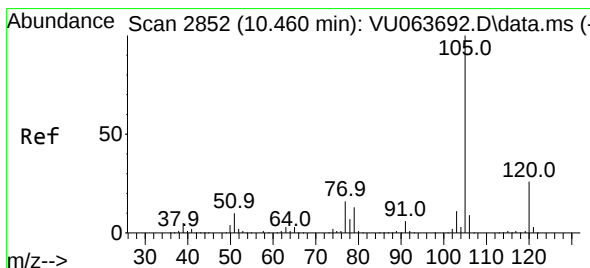
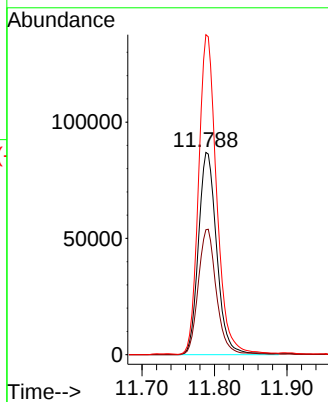
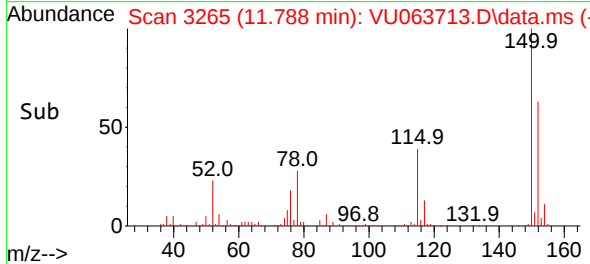
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025



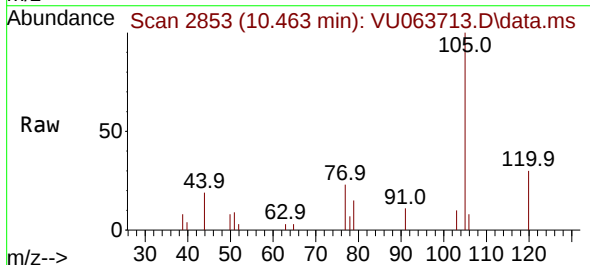
Tgt Ion:152 Resp: 152758
 Ion Ratio Lower Upper
 152 100
 115 61.5 41.0 123.0
 150 155.6 0.0 342.2

Manual Integrations
 APPROVED

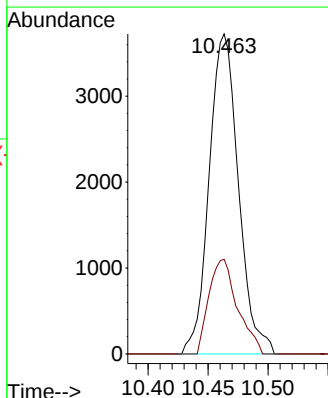
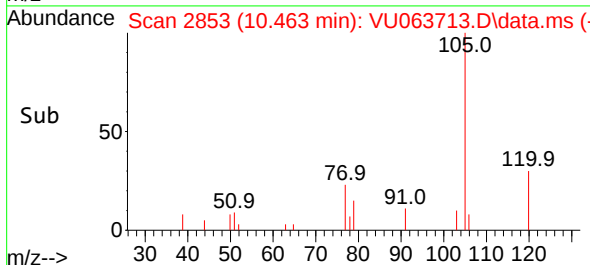
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

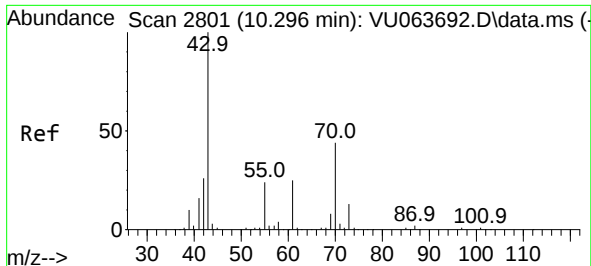


#73
 Isopropylbenzene
 Concen: 0.659 ug/l
 RT: 10.463 min Scan# 2853
 Delta R.T. 0.003 min
 Lab File: VU063713.D
 Acq: 12 Nov 2025 12:17



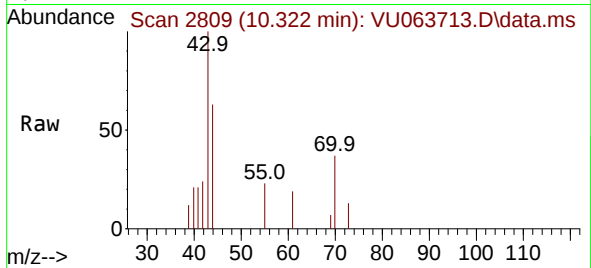
Tgt Ion:105 Resp: 6327
 Ion Ratio Lower Upper
 105 100
 120 28.8 13.0 38.9





#74
N-amy1 acetate
Concen: 1.264 ug/l
RT: 10.322 min Scan# 2809
Delta R.T. 0.026 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

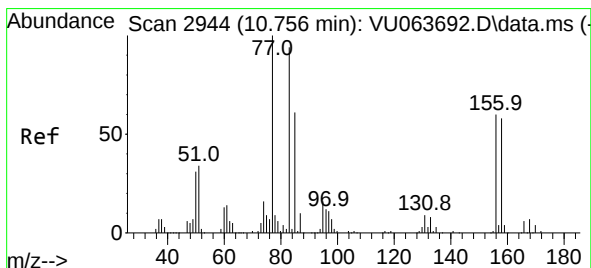
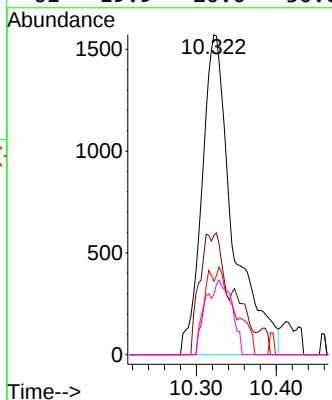
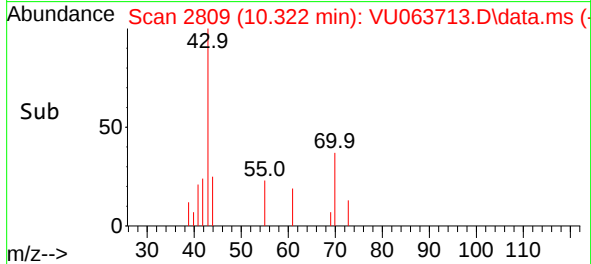
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 43 Resp: 4228
Ion Ratio Lower Upper
43 100
70 15.6 36.5 54.7
55 9.1 20.6 30.8
61 19.9 20.0 30.0

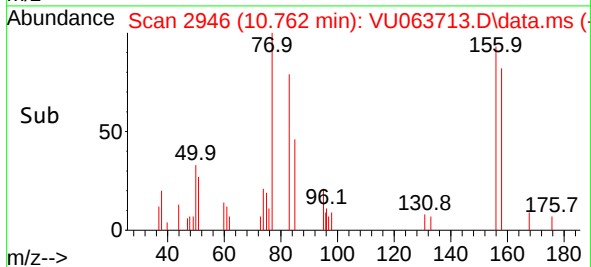
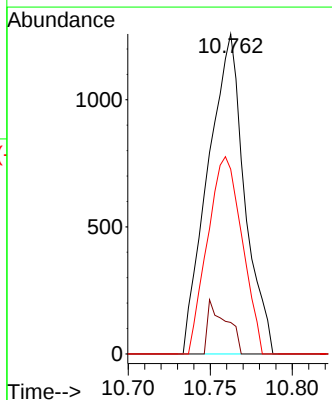
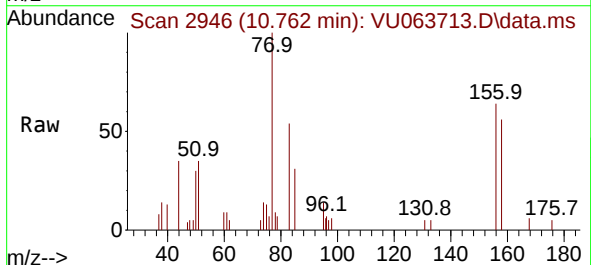
Manual Integrations
APPROVED

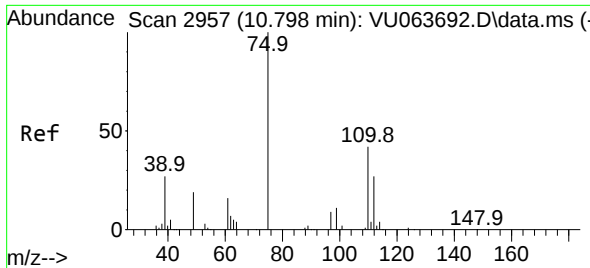
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#75
1,1,2,2-Tetrachloroethane
Concen: 0.529 ug/l
RT: 10.762 min Scan# 2946
Delta R.T. 0.006 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

Tgt Ion: 83 Resp: 1950
Ion Ratio Lower Upper
83 100
131 8.6 4.8 14.4
85 58.2 31.9 95.7





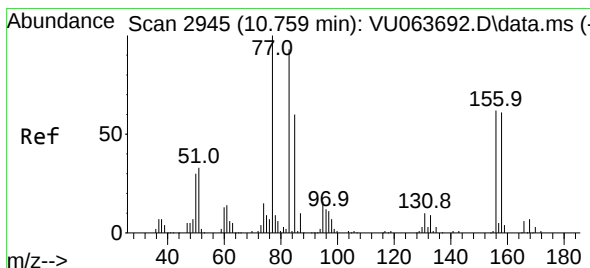
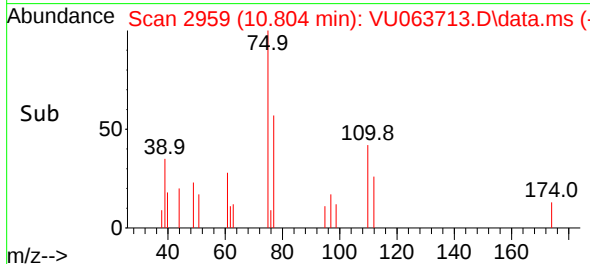
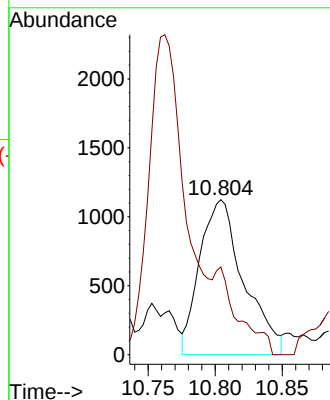
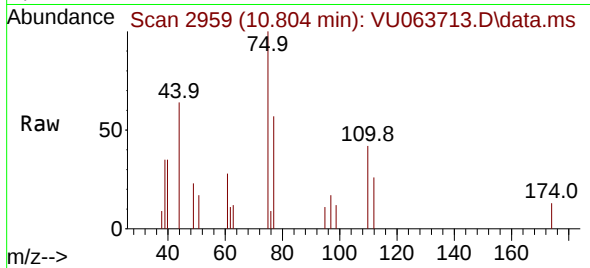
#76
1,2,3-Trichloropropane
Concen: 0.668 ug/l m
RT: 10.804 min Scan# 2959
Delta R.T. 0.006 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

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

Tgt Ion: 75 Resp: 2572
Ion Ratio Lower Upper
75 100
77 40.0 0.0 0.0

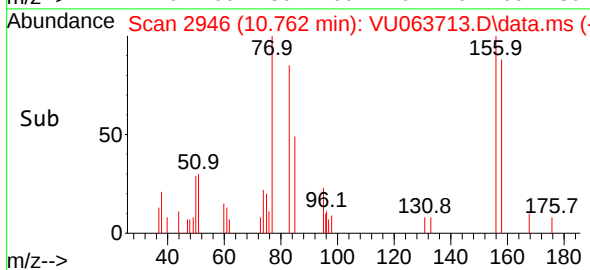
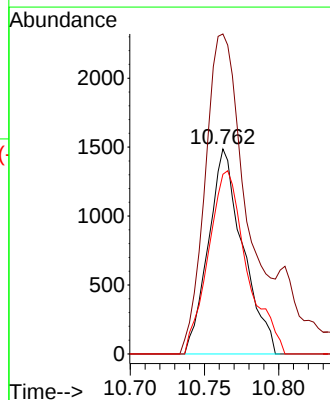
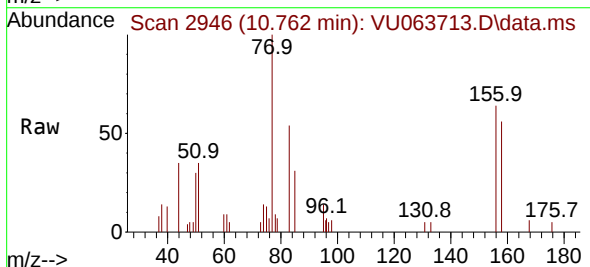
Manual Integrations
APPROVED

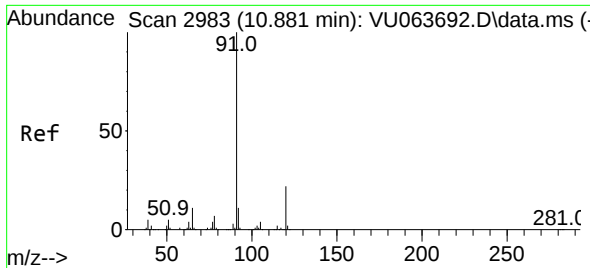
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#77
Bromobenzene
Concen: 0.992 ug/l
RT: 10.762 min Scan# 2946
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

Tgt Ion:156 Resp: 2396
Ion Ratio Lower Upper
156 100
77 184.8 81.4 244.2
158 99.9 48.8 146.3





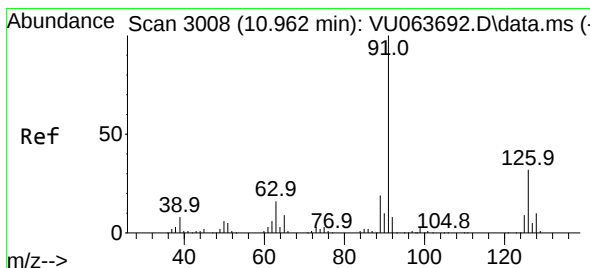
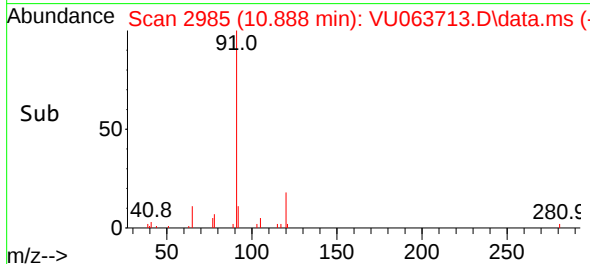
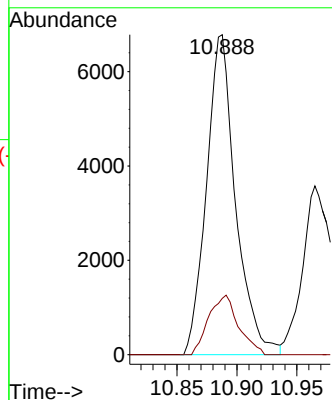
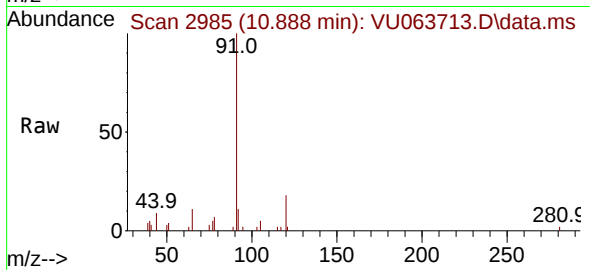
#78
n-propylbenzene
Concen: 1.040 ug/l
RT: 10.888 min Scan# 2983
Delta R.T. 0.006 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

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

Tgt Ion: 91 Resp: 1144
Ion Ratio Lower Upper
91 100
120 19.1 11.2 33.6

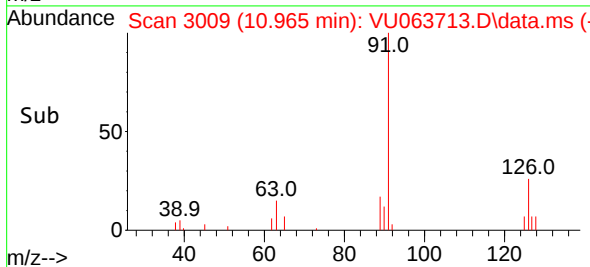
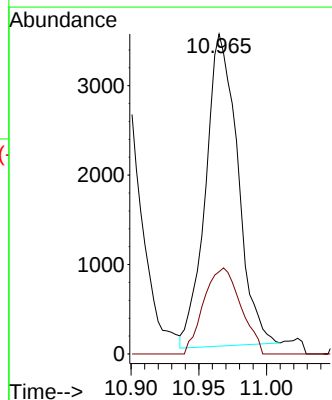
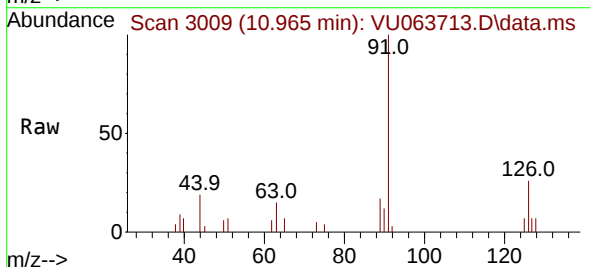
Manual Integrations
APPROVED

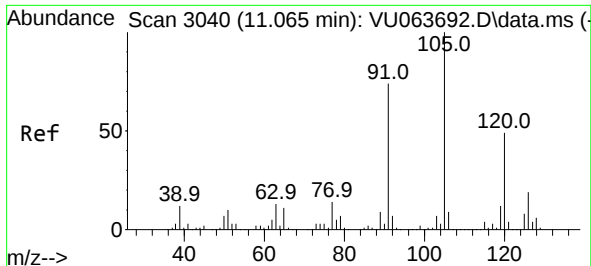
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#79
2-Chlorotoluene
Concen: 0.808 ug/l
RT: 10.965 min Scan# 3009
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

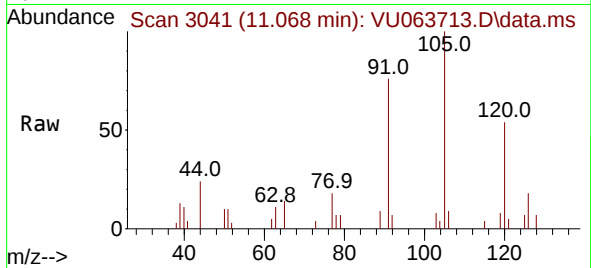
Tgt Ion: 91 Resp: 5753
Ion Ratio Lower Upper
91 100
126 31.8 16.4 49.1





#80
1,3,5-Trimethylbenzene
Concen: 0.691 ug/l
RT: 11.068 min Scan# 3040
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

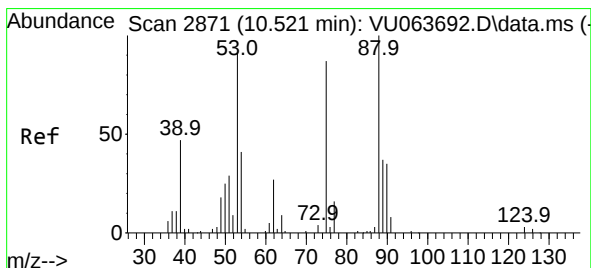
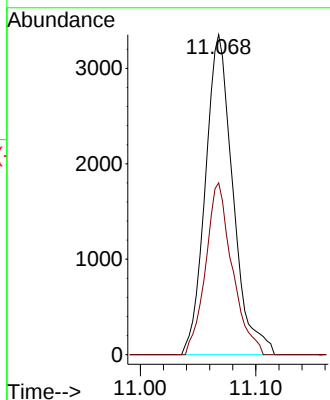
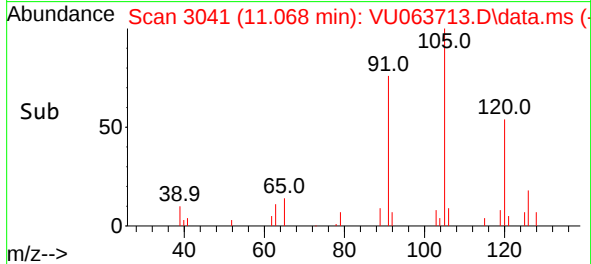
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



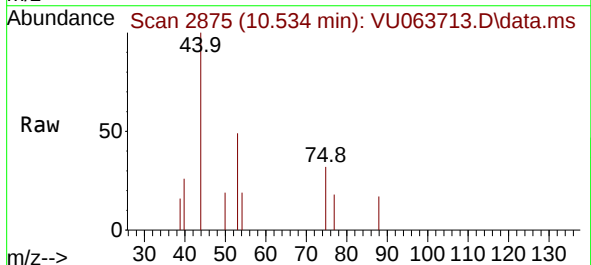
Tgt Ion:105 Resp: 556
Ion Ratio Lower Upper
105 100
120 51.8 24.1 72.2

Manual Integrations
APPROVED

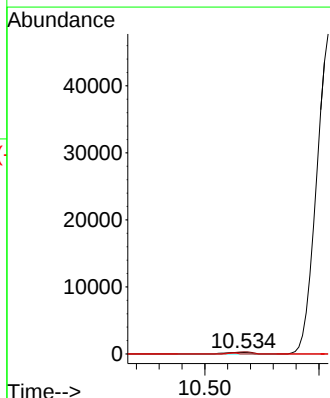
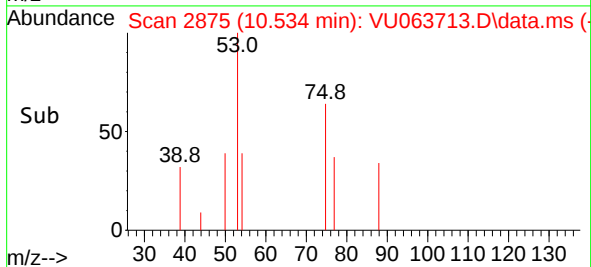
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

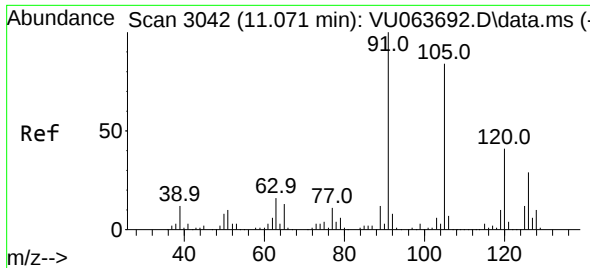


#81
trans-1,4-Dichloro-2-butene
Concen: 0.426 ug/l m
RT: 10.534 min Scan# 2875
Delta R.T. 0.013 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17



Tgt Ion: 75 Resp: 308
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 35.2 52.8#





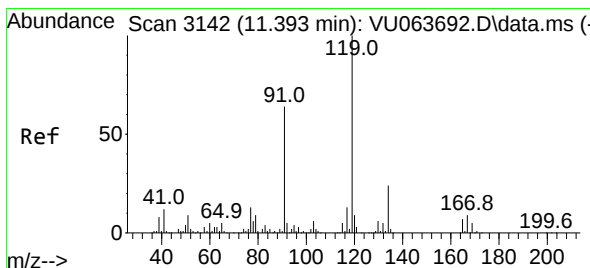
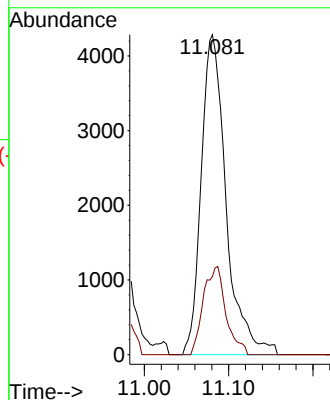
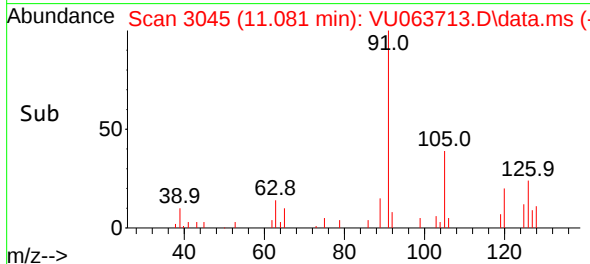
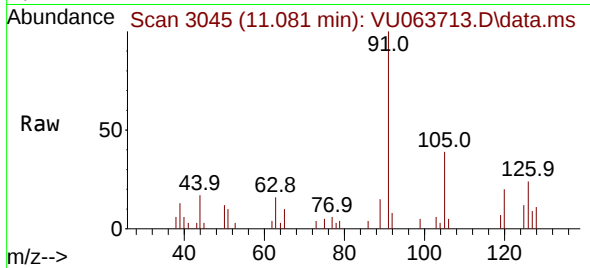
#82
4-Chlorotoluene
Concen: 1.090 ug/l
RT: 11.081 min Scan# 3042
Delta R.T. 0.010 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

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

Tgt Ion: 91 Resp: 881
Ion Ratio Lower Upper
91 100
126 24.9 14.2 42.8

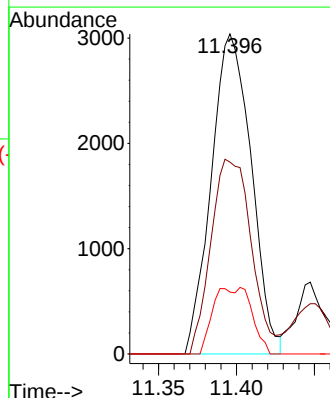
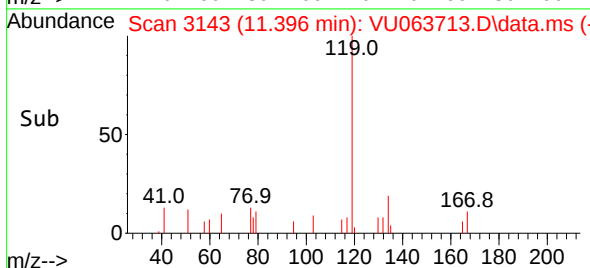
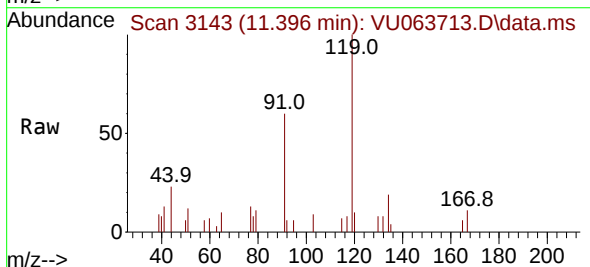
Manual Integrations
APPROVED

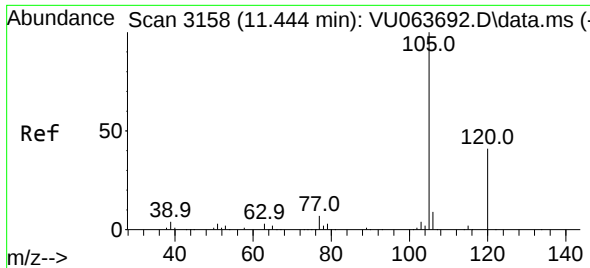
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#83
tert-Butylbenzene
Concen: 0.647 ug/l
RT: 11.396 min Scan# 3143
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

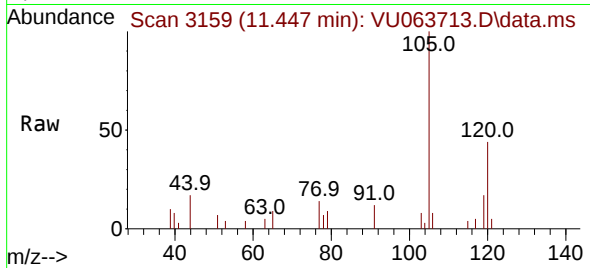
Tgt Ion:119 Resp: 5422
Ion Ratio Lower Upper
119 100
91 61.2 30.8 92.3
134 12.1 11.9 35.5





#84
1,2,4-Trimethylbenzene
Concen: 0.880 ug/l
RT: 11.447 min Scan# 3158
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

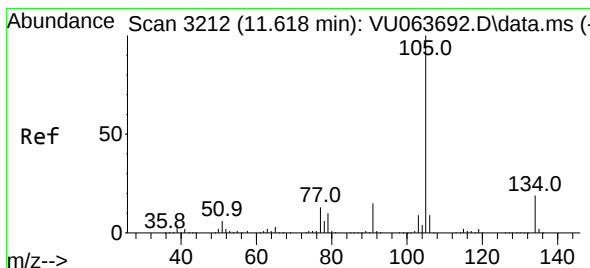
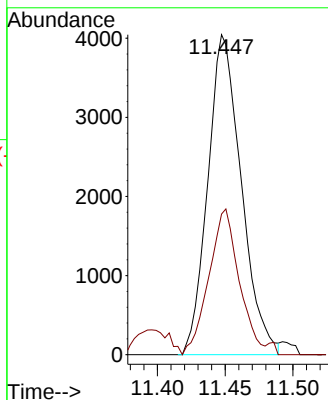
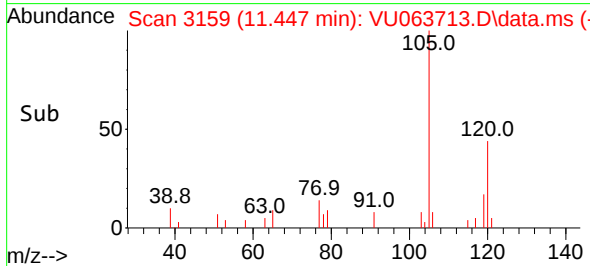
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



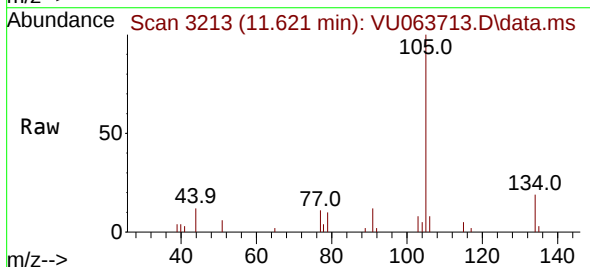
Tgt Ion:105 Resp: 6950
Ion Ratio Lower Upper
105 100
120 42.1 22.4 67.3

Manual Integrations
APPROVED

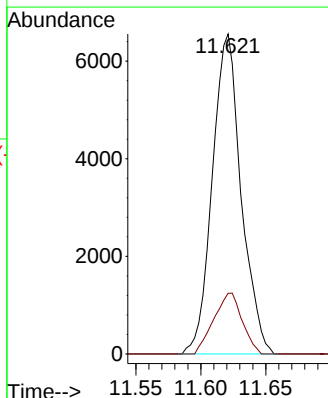
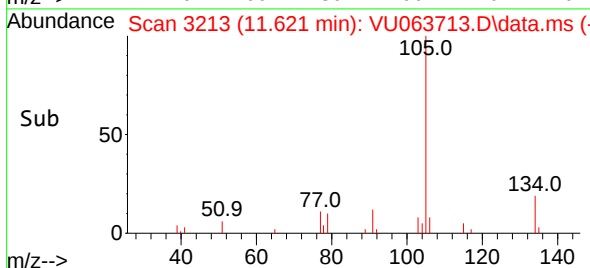
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

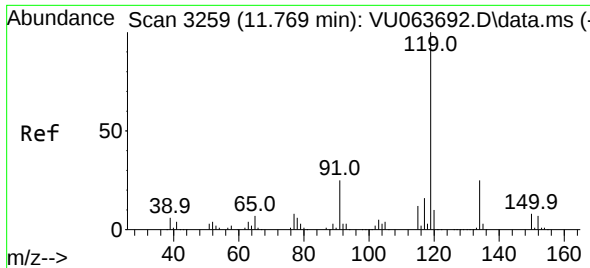


#85
sec-Butylbenzene
Concen: 0.954 ug/l
RT: 11.621 min Scan# 3213
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17



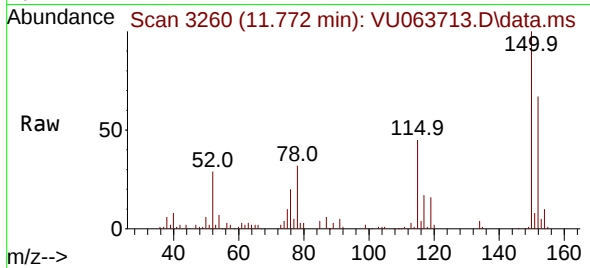
Tgt Ion:105 Resp: 10101
Ion Ratio Lower Upper
105 100
134 18.7 9.8 29.4





#86
p-Isopropyltoluene
Concen: 0.983 ug/l
RT: 11.772 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

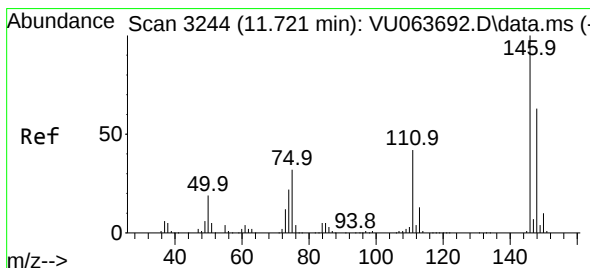
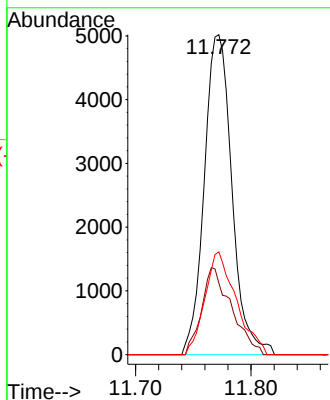
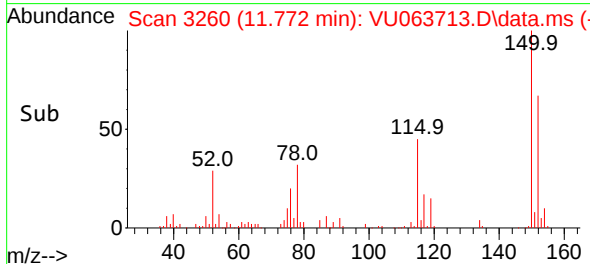
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



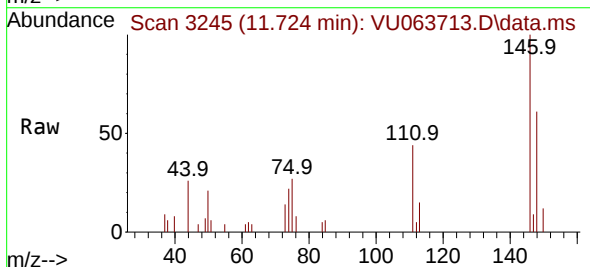
Tgt Ion:119 Resp: 835
Ion Ratio Lower Upper
119 100
134 29.4 12.6 37.6
91 36.2 12.6 37.8

Manual Integrations
APPROVED

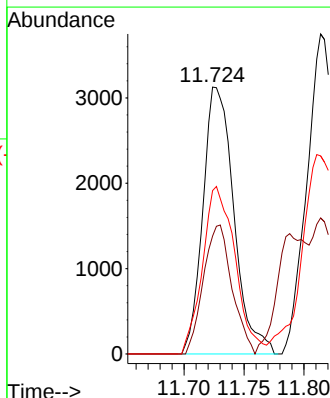
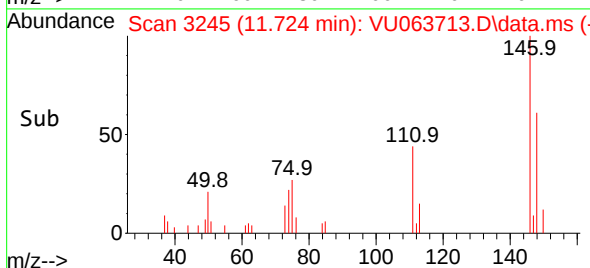
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

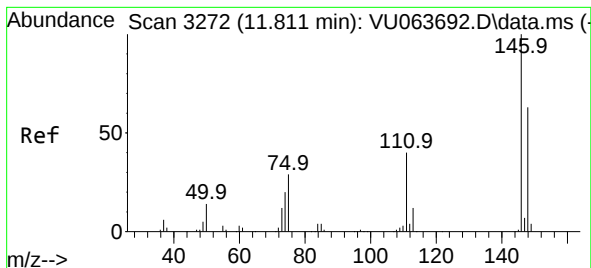


#87
1,3-Dichlorobenzene
Concen: 1.238 ug/l
RT: 11.724 min Scan# 3245
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17



Tgt Ion:146 Resp: 5617
Ion Ratio Lower Upper
146 100
111 44.6 20.6 61.8
148 66.1 31.8 95.4





#88

1,4-Dichlorobenzene

Concen: 1.424 ug/l m

RT: 11.814 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

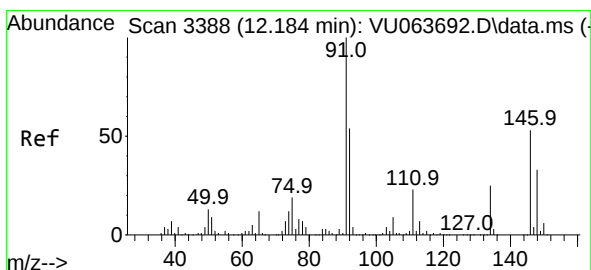
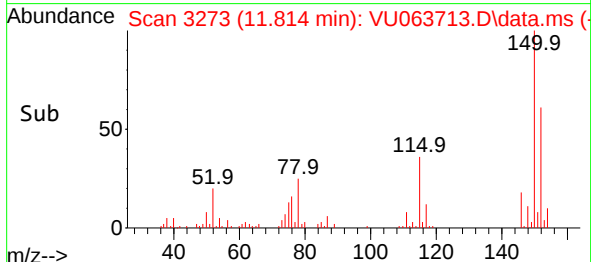
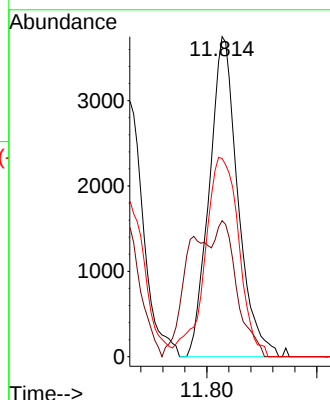
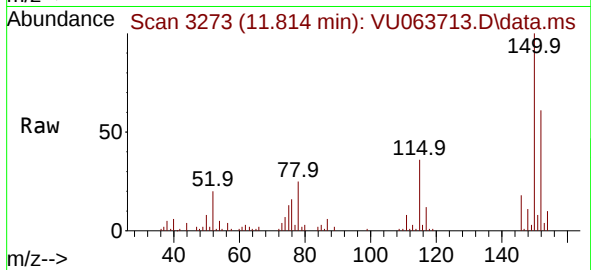
Tgt Ion:	146	Resp:	676
Ion Ratio	Lower	Upper	
146	100		
111	37.0	20.4	61.3
148	54.9	31.4	94.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#89

n-Butylbenzene

Concen: 1.789 ug/l

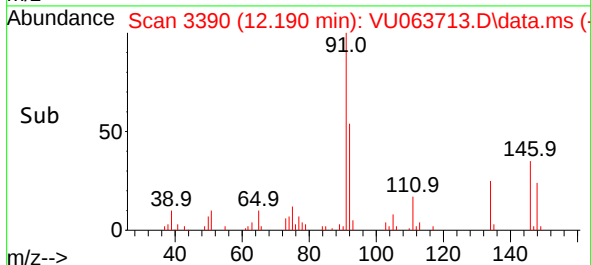
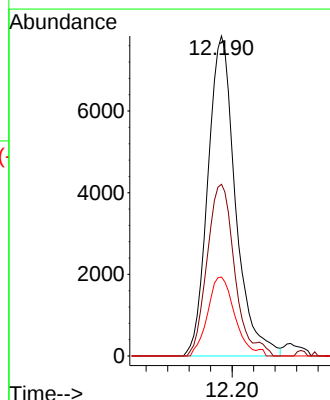
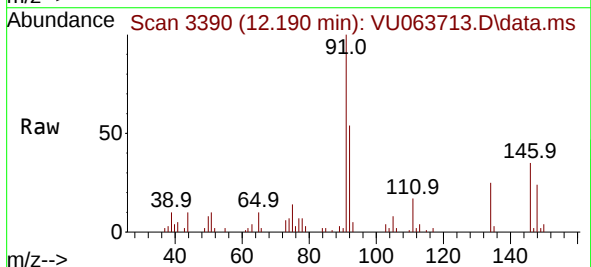
RT: 12.190 min Scan# 3390

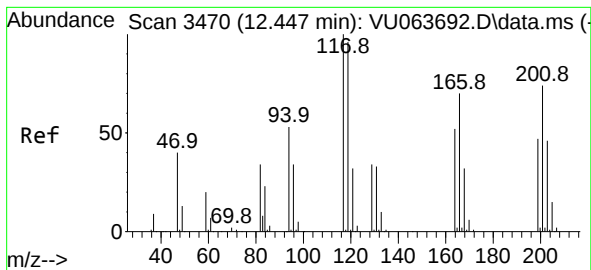
Delta R.T. 0.006 min

Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

Tgt Ion:	91	Resp:	13966
Ion Ratio	Lower	Upper	
91	100		
92	53.7	27.0	81.0
134	24.4	12.4	37.4





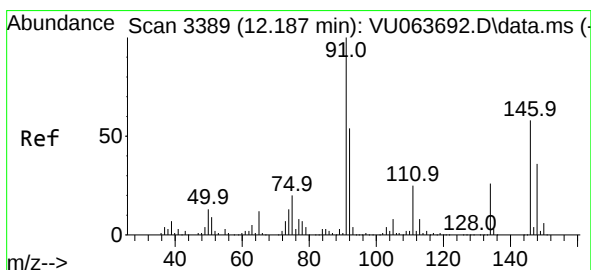
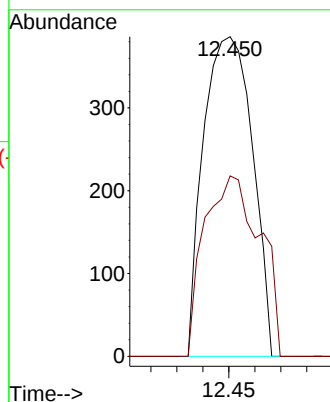
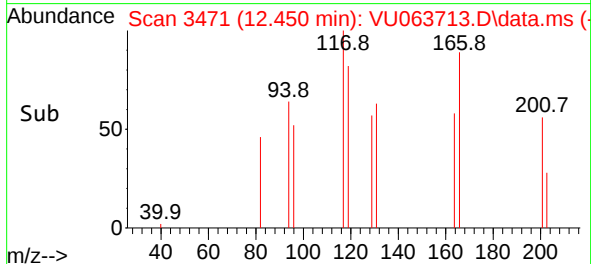
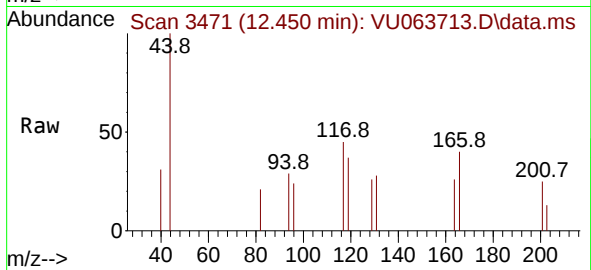
#90
Hexachloroethane
Concen: 0.390 ug/l
RT: 12.450 min Scan# 3470
Delta R.T. 0.003 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

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

Tgt Ion:117 Resp: 500
Ion Ratio Lower Upper
117 100
201 63.8 36.6 109.8

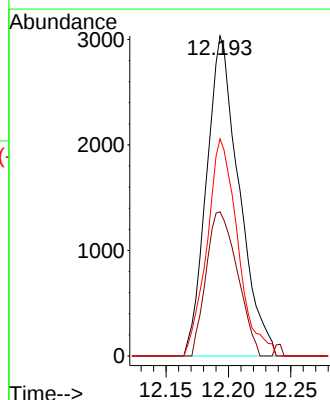
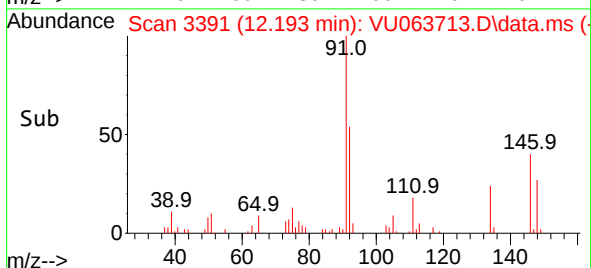
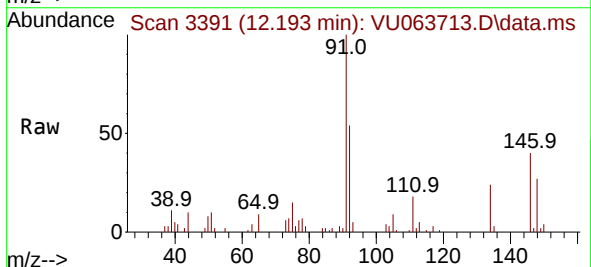
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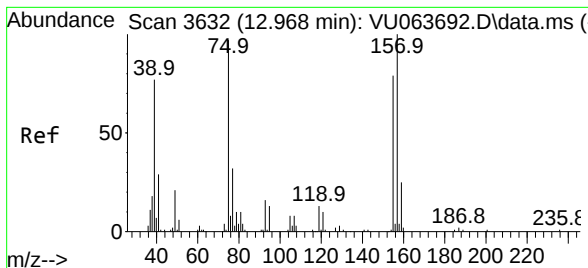
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#91
1,2-Dichlorobenzene
Concen: 1.213 ug/l
RT: 12.193 min Scan# 3391
Delta R.T. 0.006 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

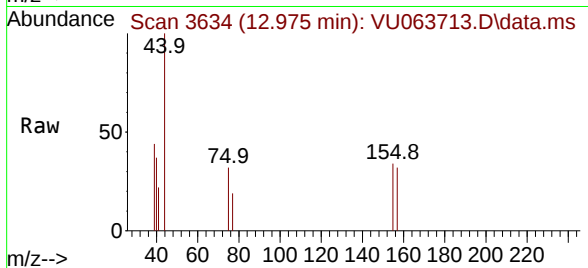
Tgt Ion:146 Resp: 5495
Ion Ratio Lower Upper
146 100
111 43.3 21.8 65.3
148 64.2 31.6 94.7





#92
1,2-Dibromo-3-Chloropropane
Concen: 0.618 ug/l
RT: 12.975 min Scan# 3634
Delta R.T. 0.006 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17

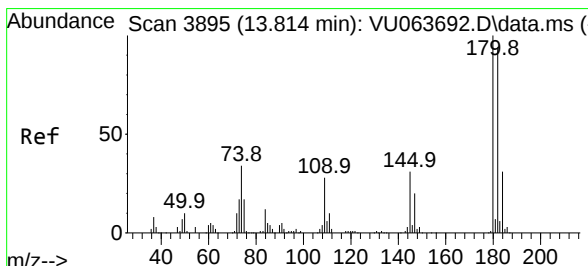
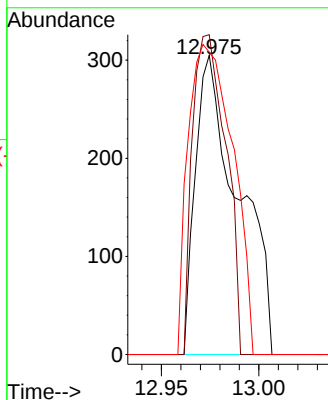
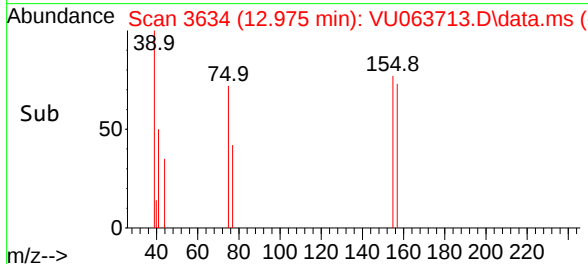
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



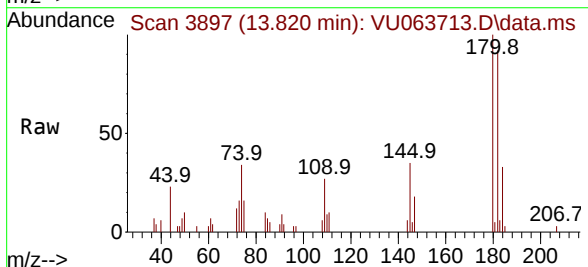
Tgt Ion: 75 Resp: 46
Ion Ratio Lower Upper
75 100
155 83.1 40.5 121.4
157 107.9 50.4 151.3

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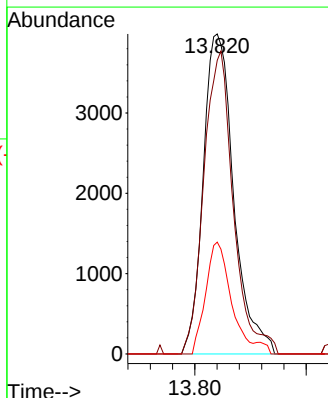
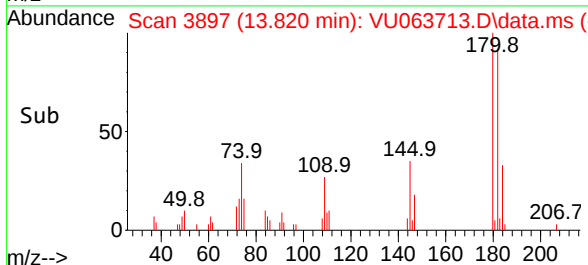
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

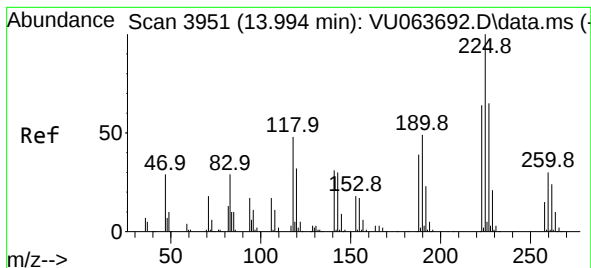


#93
1,2,4-Trichlorobenzene
Concen: 2.626 ug/l
RT: 13.820 min Scan# 3897
Delta R.T. 0.006 min
Lab File: VU063713.D
Acq: 12 Nov 2025 12:17



Tgt Ion:180 Resp: 7582
Ion Ratio Lower Upper
180 100
182 91.4 47.6 142.9
145 28.7 15.9 47.6





#94

Hexachlorobutadiene

Concen: 1.236 ug/l

RT: 13.994 min Scan# 3951

Delta R.T. -0.000 min

Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

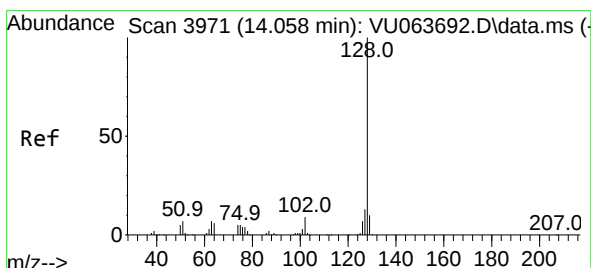
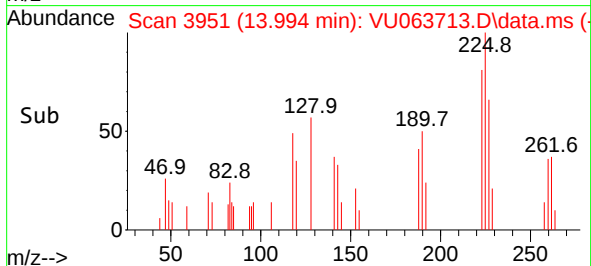
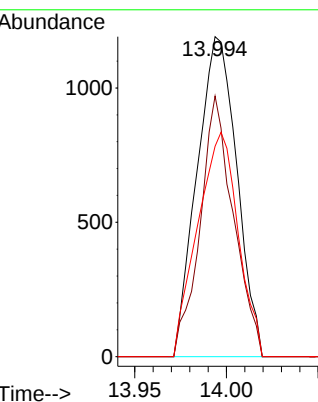
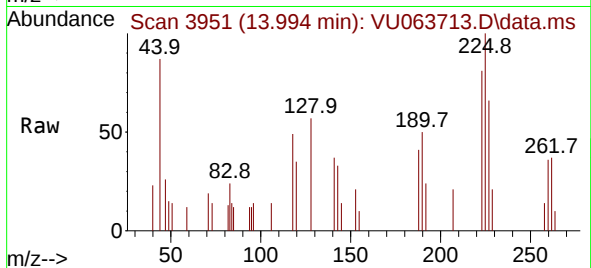
Tgt Ion:	225	Resp:	1798
Ion Ratio	Lower	Upper	
225	100		
223	68.3	31.6	94.8
227	71.4	32.4	97.0

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#95

Naphthalene

Concen: 3.582 ug/l

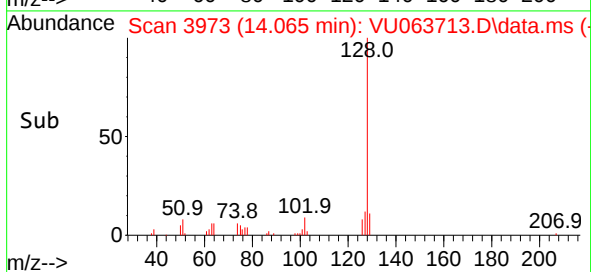
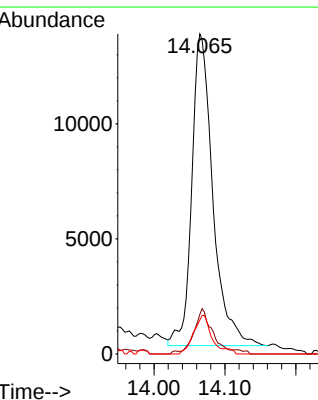
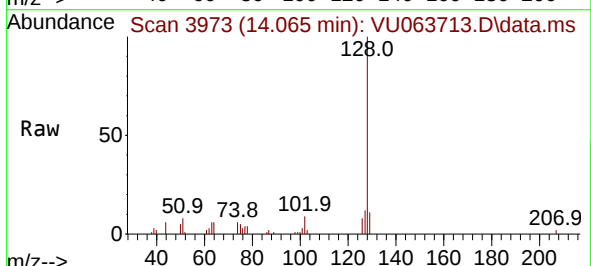
RT: 14.065 min Scan# 3973

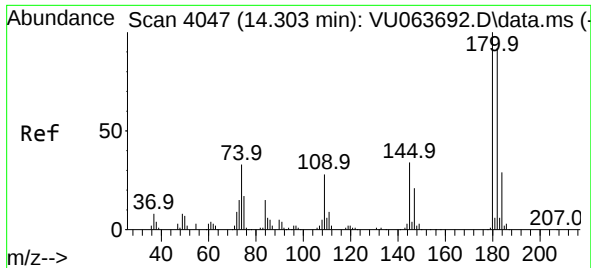
Delta R.T. 0.006 min

Lab File: VU063713.D

Acq: 12 Nov 2025 12:17

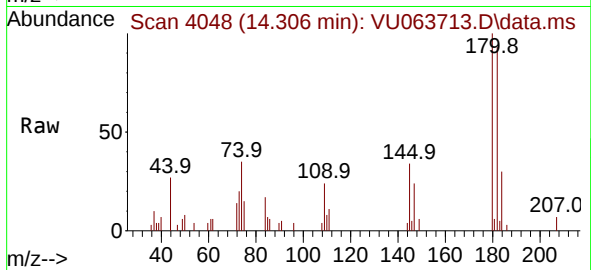
Tgt Ion:	128	Resp:	28018
Ion Ratio	Lower	Upper	
128	100		
127	11.2	9.9	14.9
129	10.7	8.4	12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 2.740 ug/l
 RT: 14.306 min Scan# 4048
 Delta R.T. 0.003 min
 Lab File: VU063713.D
 Acq: 12 Nov 2025 12:17

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



Tgt Ion:180 Resp: 735
 Ion Ratio Lower Upper
 180 100
 182 90.6 47.3 142.0
 145 30.1 16.6 49.7

Manual Integrations
 APPROVED

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

