

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
 Data File : VU063715.D
 Acq On : 12 Nov 2025 13:05
 Operator : MD/SY
 Sample : Q3530-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Nov 14 05:01:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 14 04:59:23 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	5.341	168	192246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	319272	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	297594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	157269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.669	65	143930	50.681	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.360%			
35) Dibromofluoromethane	5.255	113	111549	49.884	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.760%			
50) Toluene-d8	7.872	98	393228	48.948	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.900%			
62) 4-Bromofluorobenzene	10.608	95	164127	49.388	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	3155	2.717	ug/l	95
3) Chloromethane	1.509	50	3409	2.525	ug/l #	85
4) Vinyl Chloride	1.589	62	4016	2.812	ug/l	90
5) Bromomethane	1.837	94	3831	3.821	ug/l	94
6) Chloroethane	1.914	64	3408	3.156	ug/l	93
7) Trichlorofluoromethane	2.117	101	8027	2.938	ug/l	98
8) Diethyl Ether	2.358	74	3262	2.808	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.557	101	5076	2.924	ug/l	98
10) Methyl Iodide	2.695	142	4002	2.313	ug/l	96
11) Tert butyl alcohol	3.162	59	13023	19.655	ug/l #	87
12) 1,1-Dichloroethene	2.557	96	4248	2.842	ug/l	94
13) Acrolein	2.467	56	1080	20.386	ug/l	95
14) Allyl chloride	2.901	41	7441	2.669	ug/l	96
15) Acrylonitrile	3.300	53	16747	12.341	ug/l	91
16) Acetone	2.605	43	30048	16.177	ug/l	98
17) Carbon Disulfide	2.766	76	6566	2.985	ug/l	99
18) Methyl Acetate	2.936	43	5635	1.279	ug/l	96
19) Methyl tert-butyl Ether	3.335	73	17795	2.638	ug/l	95
20) Methylene Chloride	3.017	84	6473	3.057	ug/l	98
21) trans-1,2-Dichloroethene	3.325	96	4651	3.031	ug/l #	85
22) Diisopropyl ether	3.962	45	16043	2.613	ug/l #	26
23) Vinyl Acetate	3.943	43	49362	11.788	ug/l	100
24) 1,1-Dichloroethane	3.837	63	9441	2.666	ug/l	97
25) 2-Butanone	4.695	43	25554	13.069	ug/l #	83
26) 2,2-Dichloropropane	4.631	77	7245	2.382	ug/l	97
27) cis-1,2-Dichloroethene	4.644	96	5987	2.670	ug/l	98
28) Bromochloromethane	4.949	49	2508	1.770	ug/l #	90
29) Tetrahydrofuran	5.036	42	13672	12.016	ug/l	99
30) Chloroform	5.059	83	10350	2.668	ug/l	96
31) Cyclohexane	5.341	56	11085	4.433	ug/l #	70
32) 1,1,1-Trichloroethane	5.284	97	8378	2.632	ug/l	96
36) 1,1-Dichloropropene	5.502	75	5689	2.500	ug/l	84
37) Ethyl Acetate	4.801	43	6110	1.896	ug/l	95
38) Carbon Tetrachloride	5.489	117	5924	2.408	ug/l	94
39) Methylcyclohexane	6.734	83	7338	2.840	ug/l	95
40) Benzene	5.747	78	20099	2.737	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.972	41	3083m	1.841	ug/l	
42) 1,2-Dichloroethane	5.766	62	8073	2.787	ug/l	97
43) Isopropyl Acetate	5.898	43	10502	2.223	ug/l	98
44) Trichloroethene	6.515	130	5903	2.865	ug/l	86
45) 1,2-Dichloropropane	6.763	63	5261	2.635	ug/l	94
46) Dibromomethane	6.891	93	4168	2.780	ug/l	98
47) Bromodichloromethane	7.078	83	7326	2.410	ug/l	96
48) Methyl methacrylate	6.946	41	5415	2.335	ug/l	90
49) 1,4-Dioxane	6.952	88	2506	40.795	ug/l	95
51) 4-Methyl-2-Pentanone	7.769	43	43865	12.135	ug/l	96
52) Toluene	7.943	92	13249	2.780	ug/l	100
53) t-1,3-Dichloropropene	8.190	75	6046	2.362	ug/l	100
54) cis-1,3-Dichloropropene	7.586	75	5979	2.084	ug/l #	87
55) 1,1,2-Trichloroethane	8.374	97	5761	2.634	ug/l #	92
56) Ethyl methacrylate	8.316	69	7207	2.233	ug/l	97
57) 1,3-Dichloropropane	8.554	76	9727	2.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.457	63	148	3.814	ug/l #	57
59) 2-Hexanone	8.666	43	35618	13.230	ug/l	94
60) Dibromochloromethane	8.782	129	5241	2.288	ug/l	100
61) 1,2-Dibromoethane	8.898	107	5863	2.782	ug/l	96
64) Tetrachloroethene	8.528	164	5602	2.918	ug/l	96
65) Chlorobenzene	9.422	112	17141	2.948	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.509	131	4987	2.521	ug/l	92
67) Ethyl Benzene	9.547	91	25554	2.638	ug/l	97
68) m/p-Xylenes	9.672	106	18694	5.229	ug/l	93
69) o-Xylene	10.078	106	9391	2.546	ug/l	89
70) Styrene	10.100	104	14879	2.511	ug/l	98
71) Bromoform	10.267	173	3709	2.329	ug/l #	99
73) Isopropylbenzene	10.460	105	26376	2.669	ug/l	98
74) N-amyl acetate	10.306	43	7450	2.164	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	10.756	83	10444	2.753	ug/l	94
76) 1,2,3-Trichloropropane	10.798	75	9463	2.388	ug/l #	100
77) Bromobenzene	10.759	156	7155	2.878	ug/l	95
78) n-propylbenzene	10.885	91	29683	2.619	ug/l	99
79) 2-Chlorotoluene	10.962	91	20391	2.783	ug/l	94
80) 1,3,5-Trimethylbenzene	11.065	105	20299	2.450	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.521	75	1309m	1.760	ug/l	
82) 4-Chlorotoluene	11.078	91	22496	2.702	ug/l	99
83) tert-Butylbenzene	11.393	119	21906	2.538	ug/l	95
84) 1,2,4-Trimethylbenzene	11.444	105	19338	2.379	ug/l	95
85) sec-Butylbenzene	11.618	105	27727	2.543	ug/l	99
86) p-Isopropyltoluene	11.769	119	22516	2.573	ug/l	96
87) 1,3-Dichlorobenzene	11.727	146	13608	2.914	ug/l	98
88) 1,4-Dichlorobenzene	11.814	146	14050	2.875	ug/l	89
89) n-Butylbenzene	12.187	91	21403	2.663	ug/l	98
90) Hexachloroethane	12.447	117	3038	2.276	ug/l	86
91) 1,2-Dichlorobenzene	12.193	146	12557	2.693	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.968	75	1675	2.154	ug/l	85
93) 1,2,4-Trichlorobenzene	13.817	180	7739	2.603	ug/l	99
94) Hexachlorobutadiene	13.994	225	3898	2.602	ug/l	95
95) Naphthalene	14.068	128	23289	2.892	ug/l	99
96) 1,2,3-Trichlorobenzene	14.306	180	7530	2.724	ug/l	97

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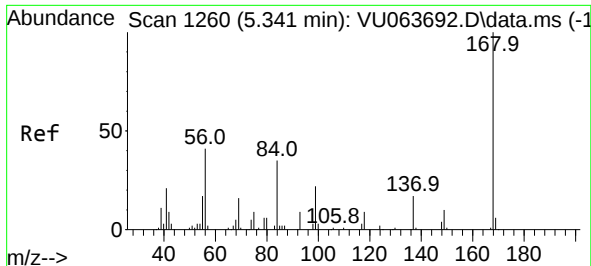
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025

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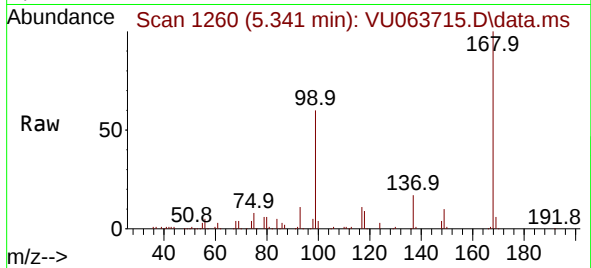
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.341 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU063715.D
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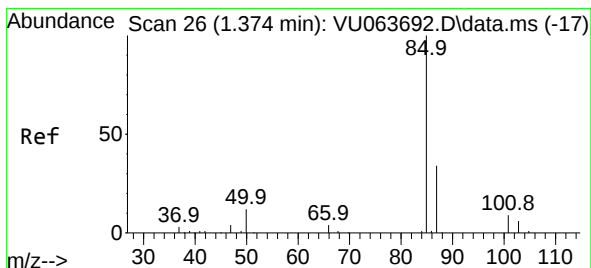
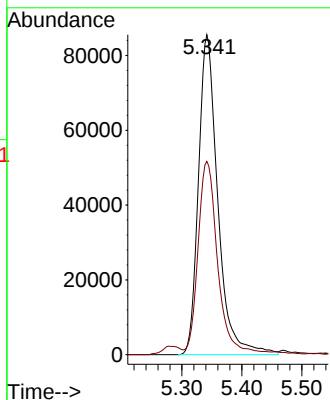
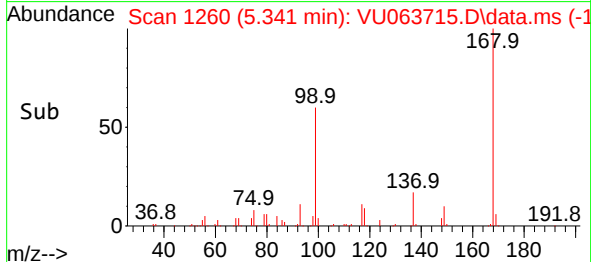
Instrument :
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Tgt Ion:168 Resp: 192240
Ion Ratio Lower Upper
168 100
99 59.6 48.2 72.4

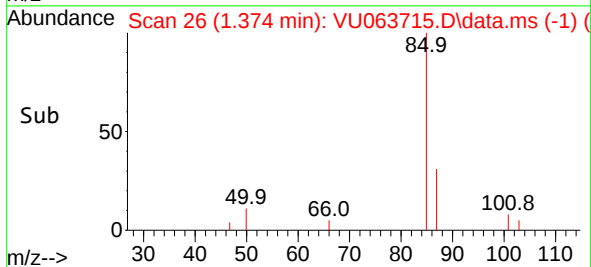
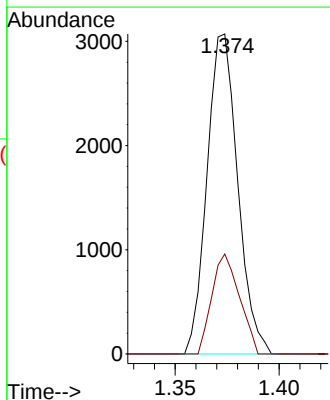
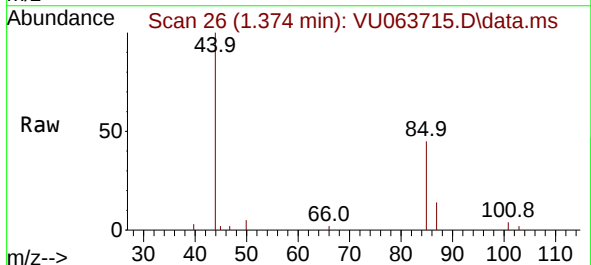
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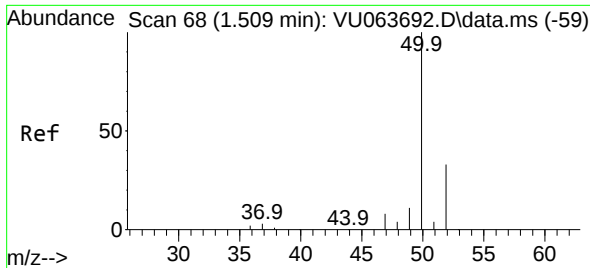
Reviewed By :John Carlone 11/14/2025
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#2
Dichlorodifluoromethane
Concen: 2.717 ug/l
RT: 1.374 min Scan# 26
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

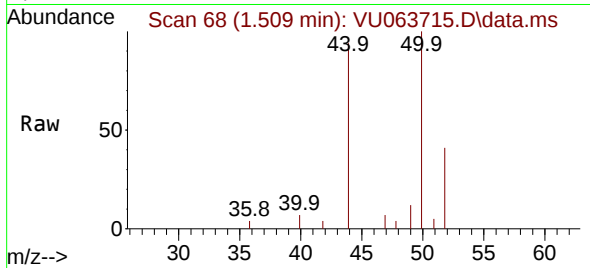
Tgt Ion: 85 Resp: 3155
Ion Ratio Lower Upper
85 100
87 31.3 17.0 51.0





#3
Chloromethane
Concen: 2.525 ug/l
RT: 1.509 min Scan# 68
Delta R.T. -0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

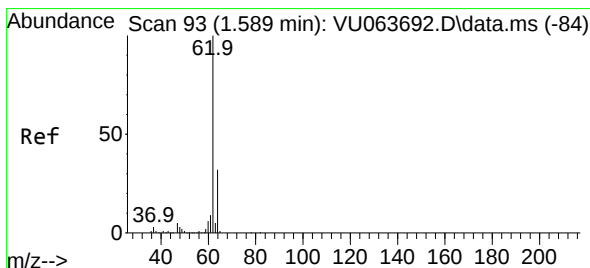
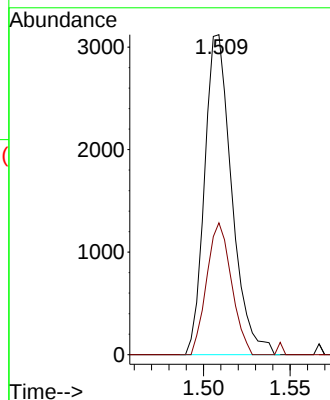
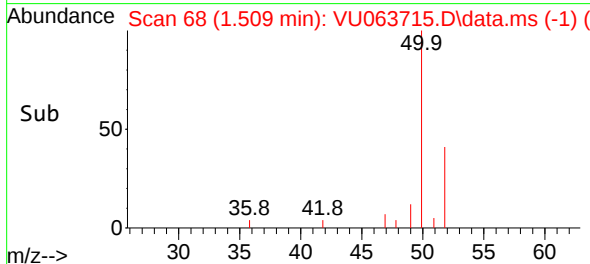
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Tgt Ion: 50 Resp: 3409
Ion Ratio Lower Upper
50 100
52 41.2 26.3 39.5

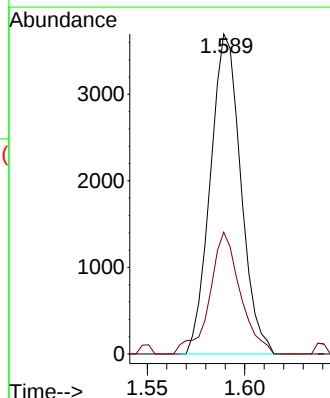
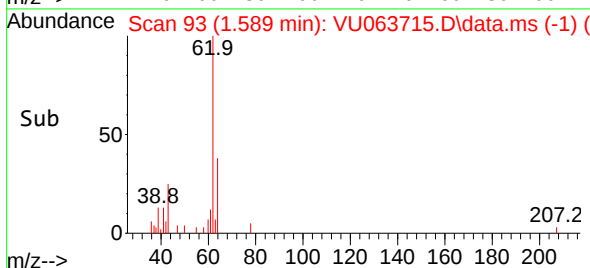
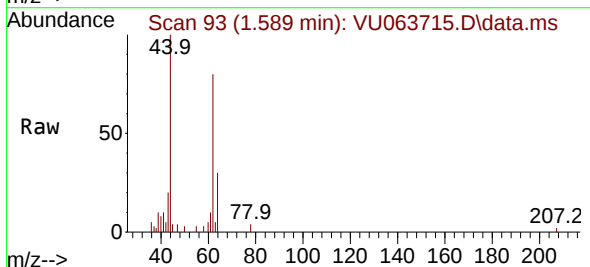
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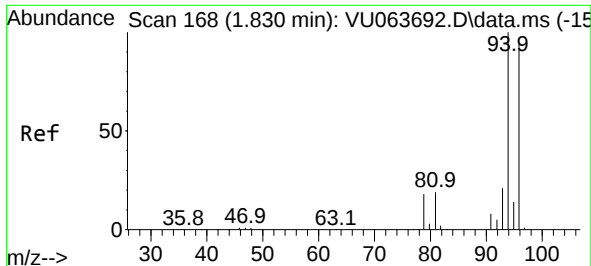
Reviewed By :John Carlone 11/14/2025
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#4
Vinyl Chloride
Concen: 2.812 ug/l
RT: 1.589 min Scan# 93
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

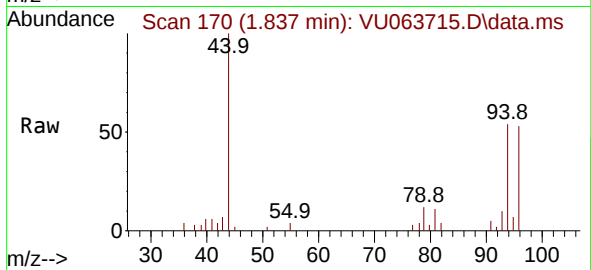
Tgt Ion: 62 Resp: 4016
Ion Ratio Lower Upper
62 100
64 38.1 25.9 38.9





#5
Bromomethane
Concen: 3.821 ug/l
RT: 1.837 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

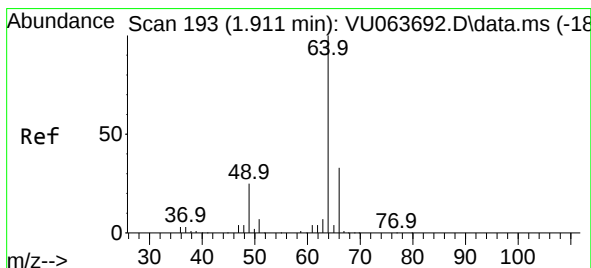
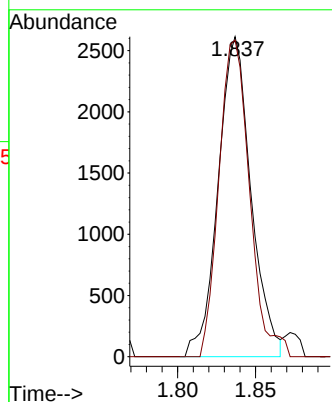
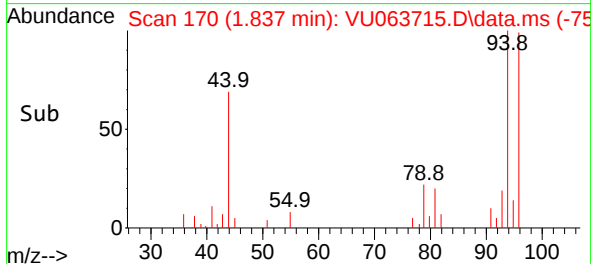
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Tgt Ion: 94 Resp: 383
Ion Ratio Lower Upper
94 100
96 99.0 74.8 112.2

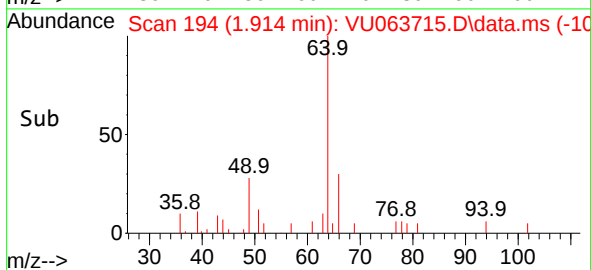
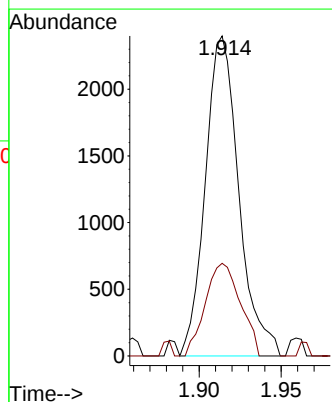
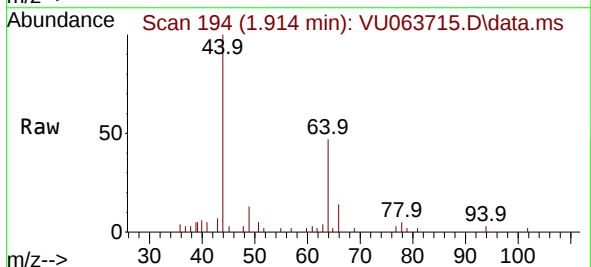
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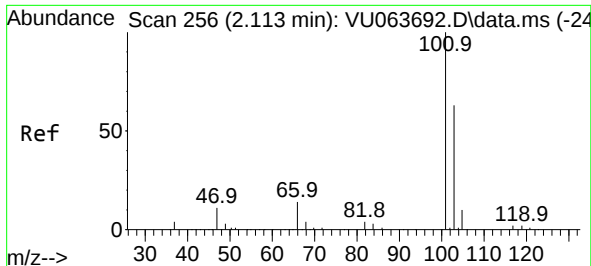
Reviewed By :John Carlone 11/14/2025
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#6
Chloroethane
Concen: 3.156 ug/l
RT: 1.914 min Scan# 194
Delta R.T. 0.003 min
Lab File: VU063715.D
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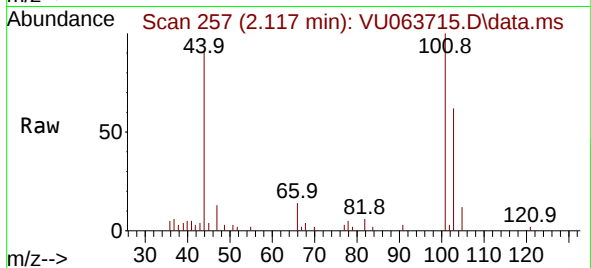
Tgt Ion: 64 Resp: 3408
Ion Ratio Lower Upper
64 100
66 28.9 26.4 39.6





#7
 Trichlorofluoromethane
 Concen: 2.938 ug/l
 RT: 2.117 min Scan# 210
 Delta R.T. 0.003 min
 Lab File: VU063715.D
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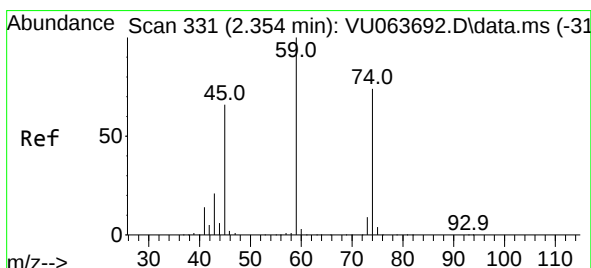
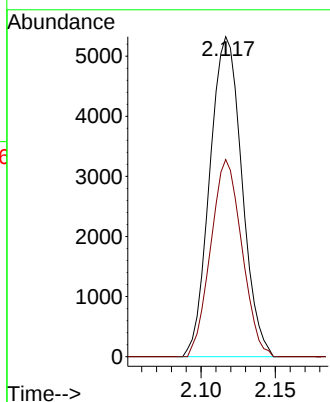
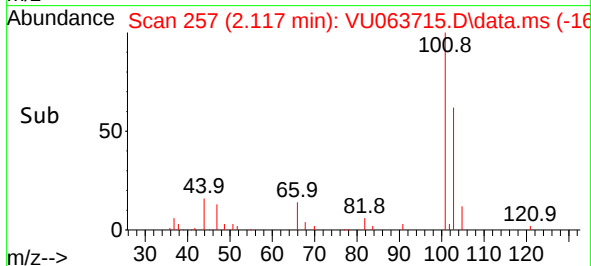
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025



Tgt Ion:101 Resp: 802
 Ion Ratio Lower Upper
 101 100
 103 61.6 50.3 75.5

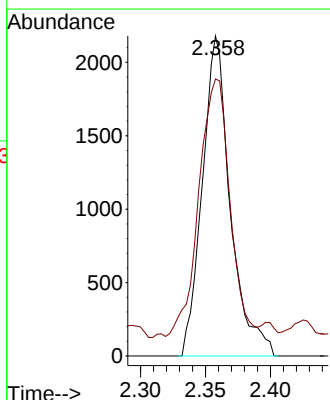
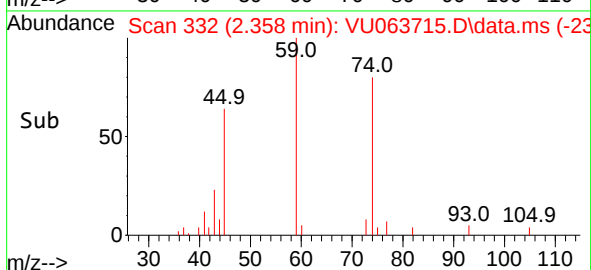
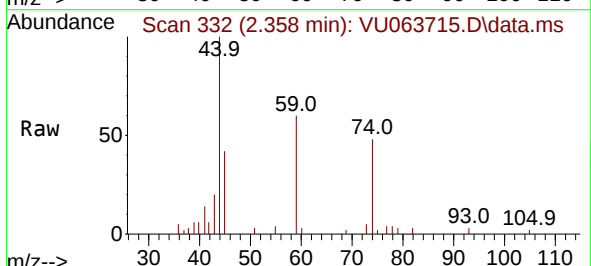
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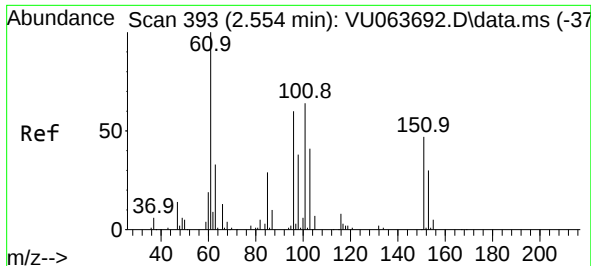
Reviewed By :John Carlone 11/14/2025
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#8
 Diethyl Ether
 Concen: 2.808 ug/l
 RT: 2.358 min Scan# 332
 Delta R.T. 0.003 min
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Tgt Ion: 74 Resp: 3262
 Ion Ratio Lower Upper
 74 100
 45 88.8 44.1 132.4





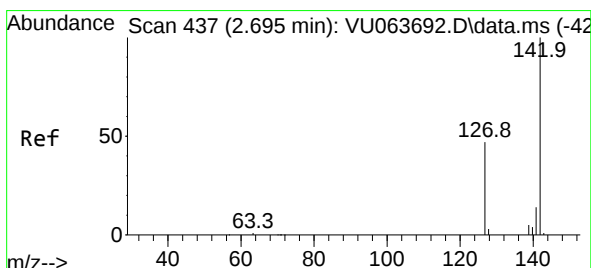
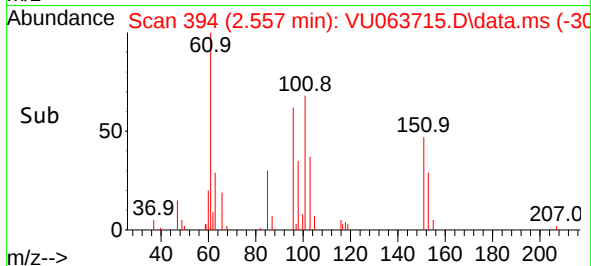
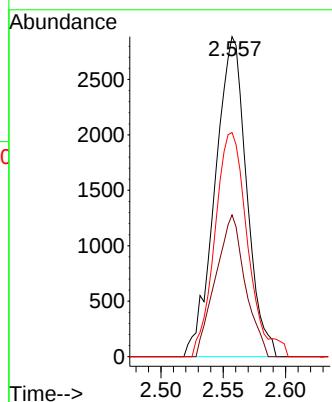
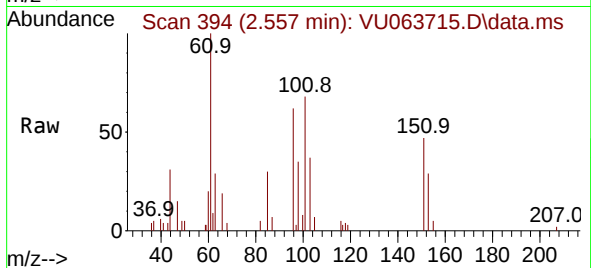
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.924 ug/l
RT: 2.557 min Scan# 393
Delta R.T. 0.003 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

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

Tgt Ion:101 Resp: 5070
Ion Ratio Lower Upper
101 100
85 41.5 36.2 54.4
151 72.9 58.5 87.7

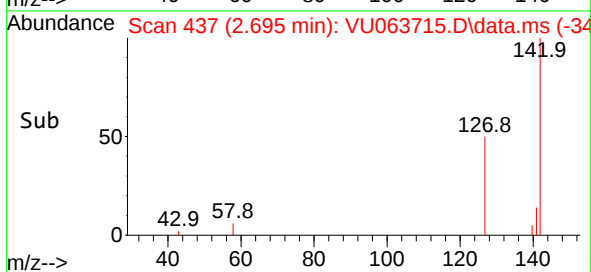
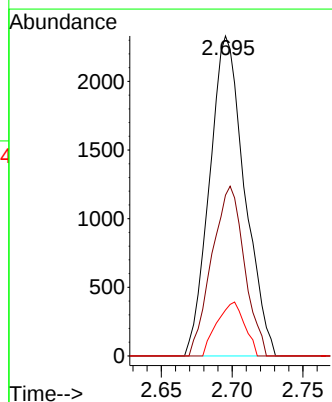
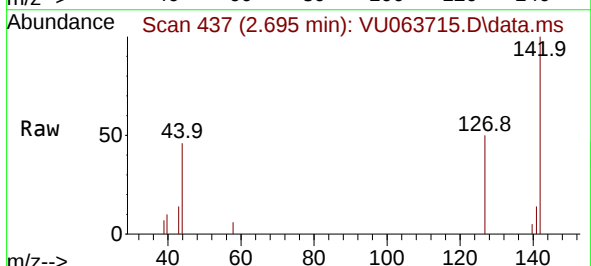
Manual Integrations
APPROVED

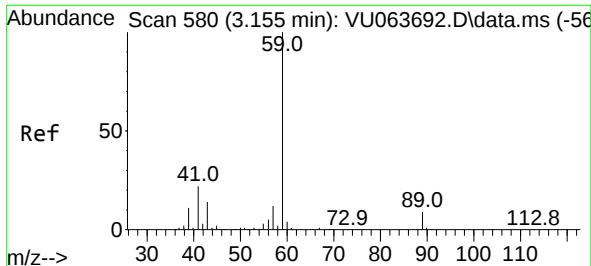
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#10
Methyl Iodide
Concen: 2.313 ug/l
RT: 2.695 min Scan# 437
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

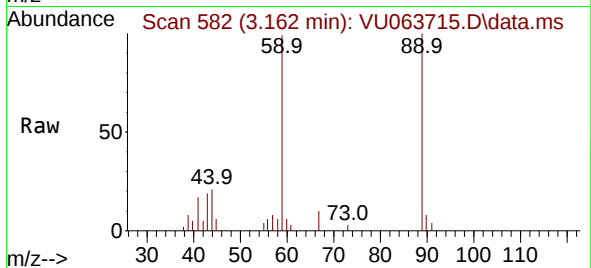
Tgt Ion:142 Resp: 4002
Ion Ratio Lower Upper
142 100
127 49.3 37.2 55.8
141 13.3 11.4 17.0





#11
Tert butyl alcohol
Concen: 19.655 ug/l
RT: 3.162 min Scan# 582
Delta R.T. 0.006 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

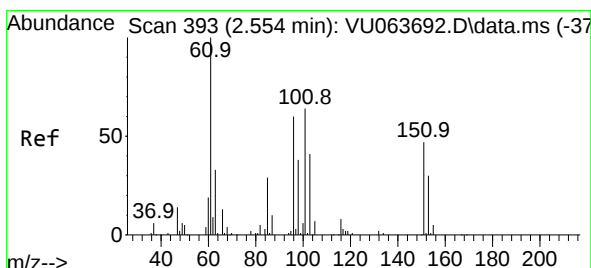
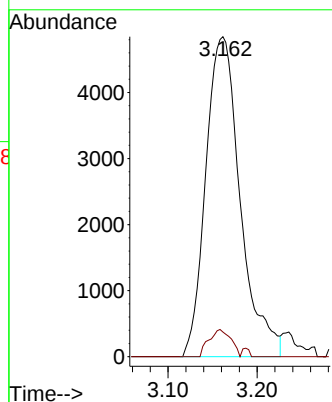
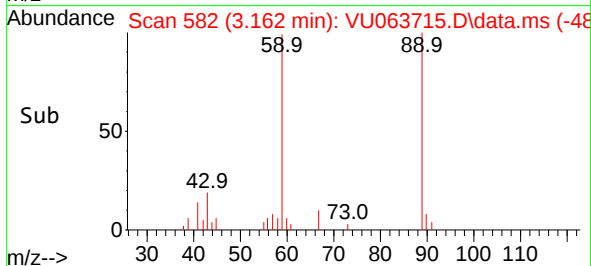
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 59 Resp: 1302
Ion Ratio Lower Upper
59 100
57 5.4 8.2 12.2

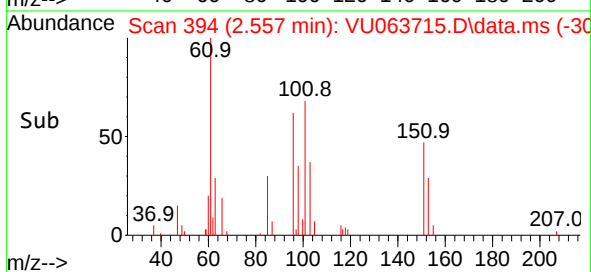
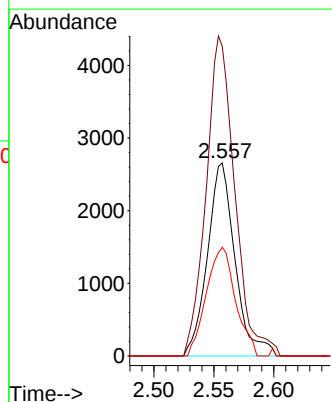
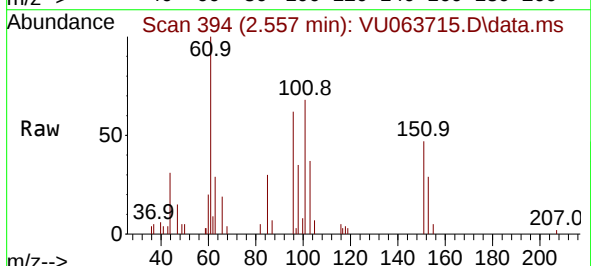
Manual Integrations
APPROVED

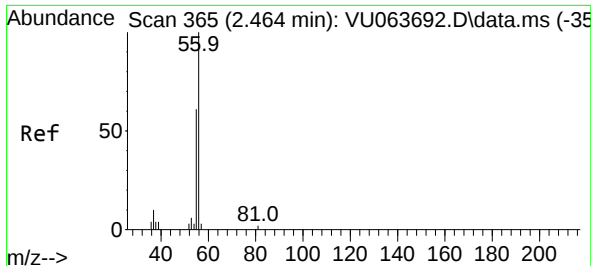
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#12
1,1-Dichloroethene
Concen: 2.842 ug/l
RT: 2.557 min Scan# 394
Delta R.T. 0.003 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

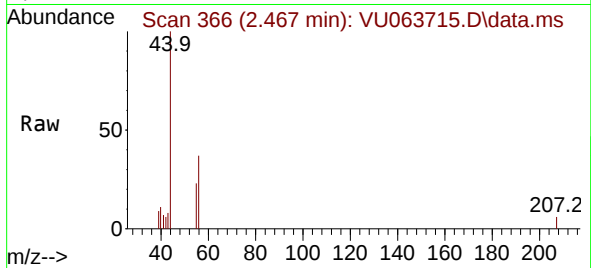
Tgt Ion: 96 Resp: 4248
Ion Ratio Lower Upper
96 100
61 160.5 133.1 199.7
98 56.4 50.7 76.1





#13
Acrolein
Concen: 20.386 ug/l
RT: 2.467 min Scan# 30
Delta R.T. 0.003 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

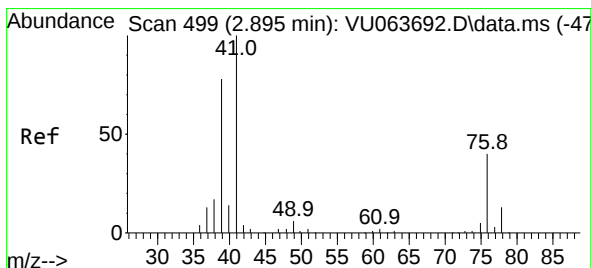
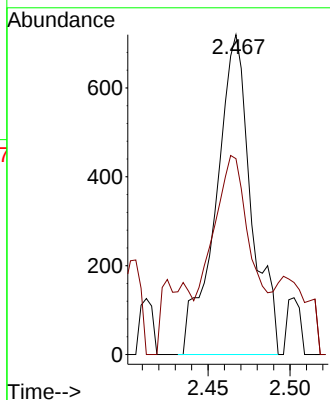
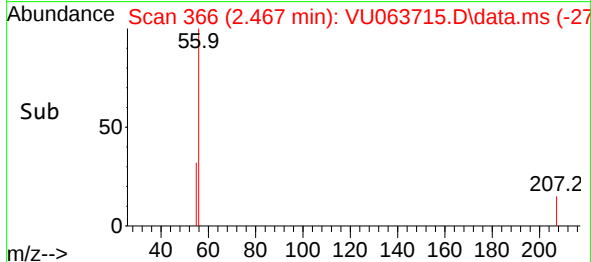
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 56 Resp: 1080
Ion Ratio Lower Upper
56 100
55 62.8 47.1 70.7

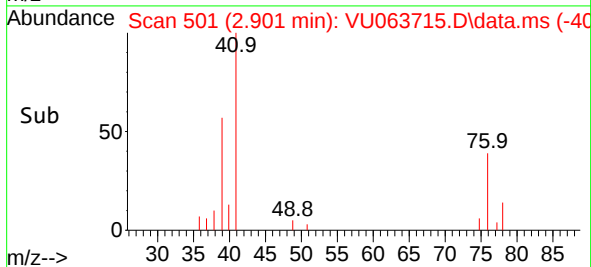
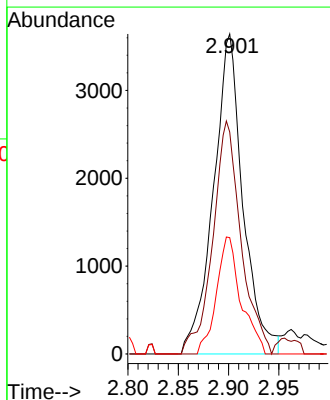
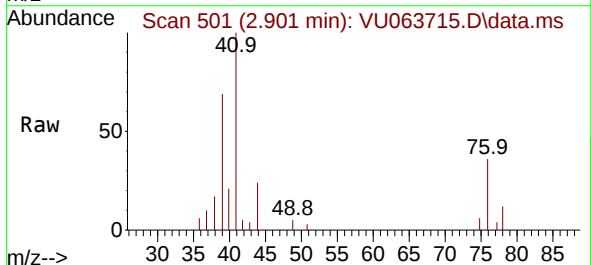
Manual Integrations
APPROVED

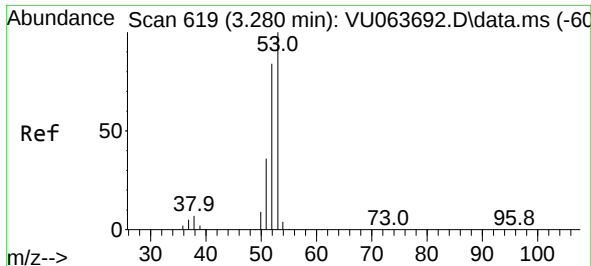
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#14
Allyl chloride
Concen: 2.669 ug/l
RT: 2.901 min Scan# 501
Delta R.T. 0.006 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion: 41 Resp: 7441
Ion Ratio Lower Upper
41 100
39 69.5 53.1 79.7
76 30.4 26.4 39.6





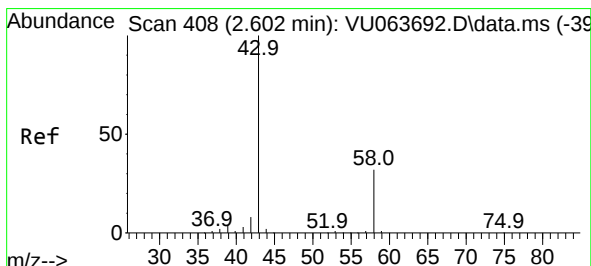
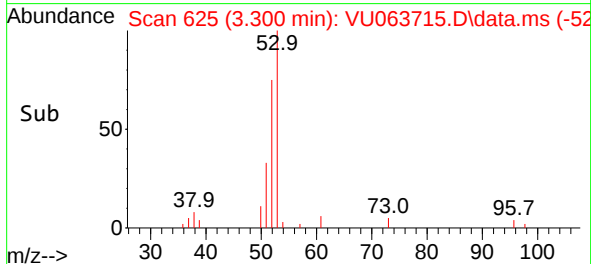
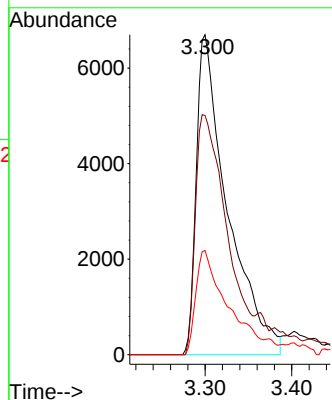
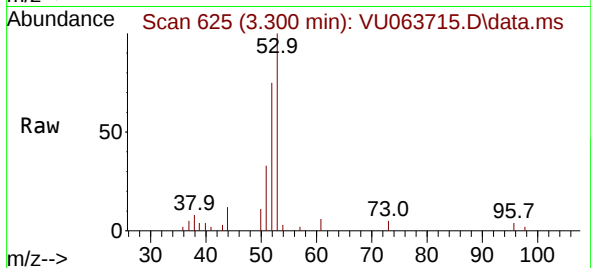
#15
Acrylonitrile
Concen: 12.341 ug/l
RT: 3.300 min Scan# 619
Delta R.T. 0.019 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

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

Tgt Ion: 53 Resp: 1674
Ion Ratio Lower Upper
53 100
52 75.3 67.5 101.3
51 33.0 29.0 43.6

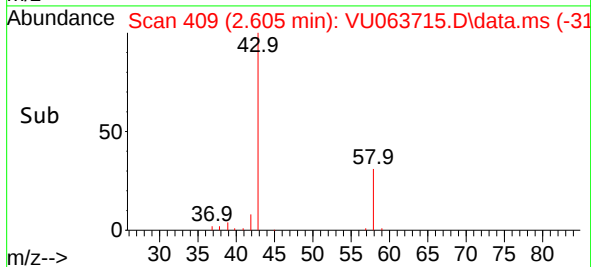
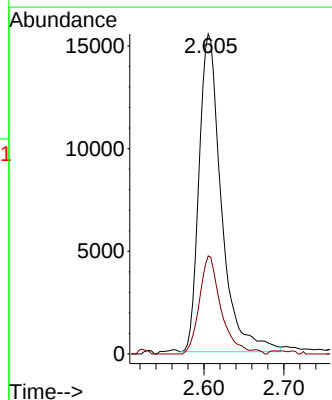
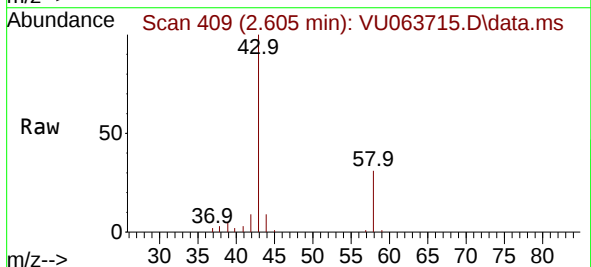
Manual Integrations
APPROVED

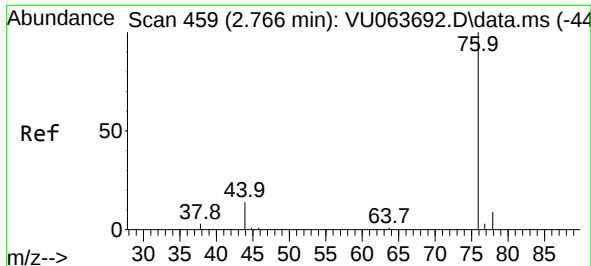
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#16
Acetone
Concen: 16.177 ug/l
RT: 2.605 min Scan# 409
Delta R.T. 0.003 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

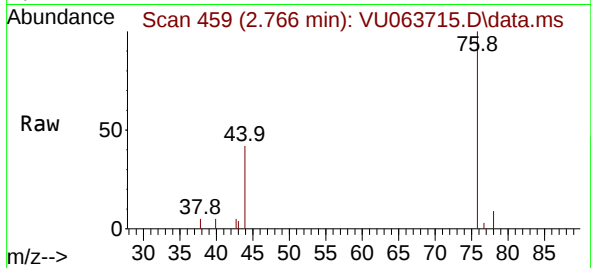
Tgt Ion: 43 Resp: 30048
Ion Ratio Lower Upper
43 100
58 30.9 25.4 38.2





#17
Carbon Disulfide
Concen: 2.985 ug/l
RT: 2.766 min Scan# 459
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

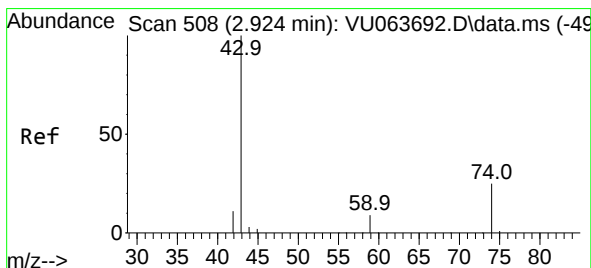
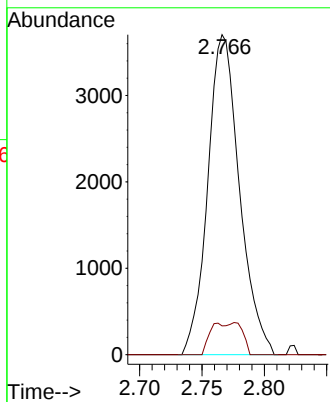
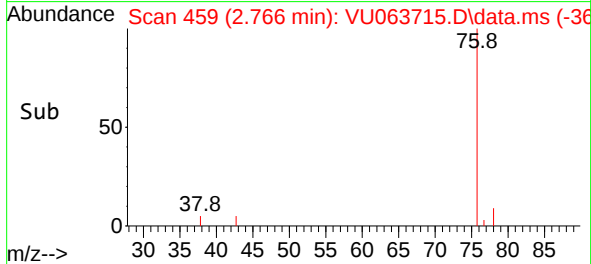
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 76 Resp: 6560
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6

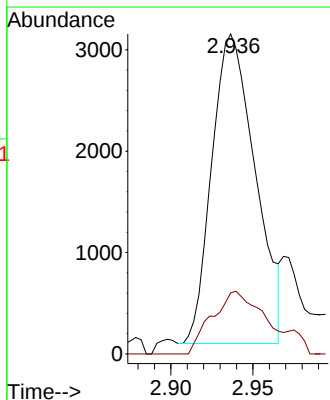
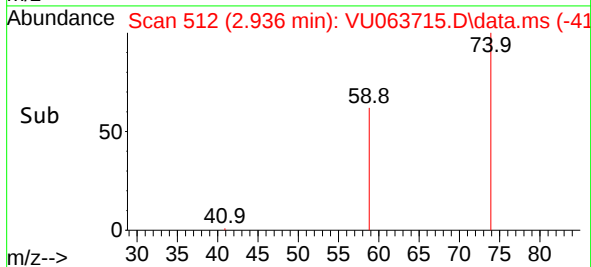
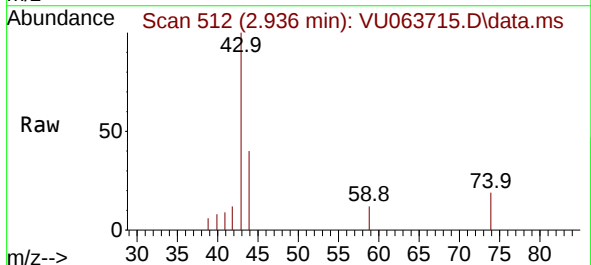
Manual Integrations
APPROVED

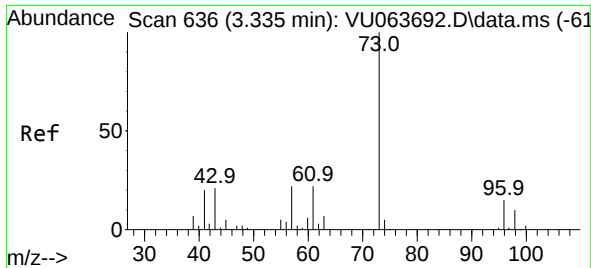
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#18
Methyl Acetate
Concen: 1.279 ug/l
RT: 2.936 min Scan# 512
Delta R.T. 0.012 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion: 43 Resp: 5635
Ion Ratio Lower Upper
43 100
74 23.9 20.6 31.0





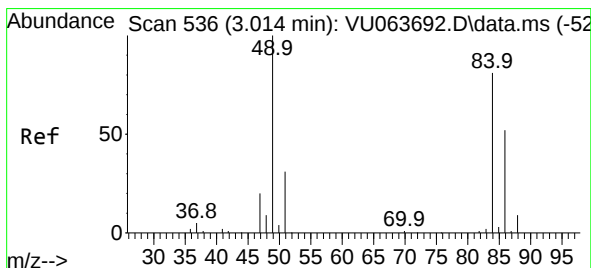
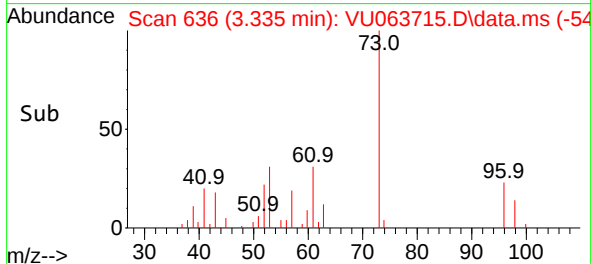
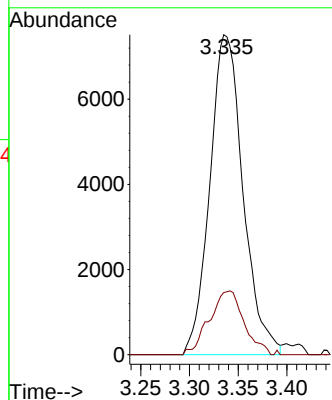
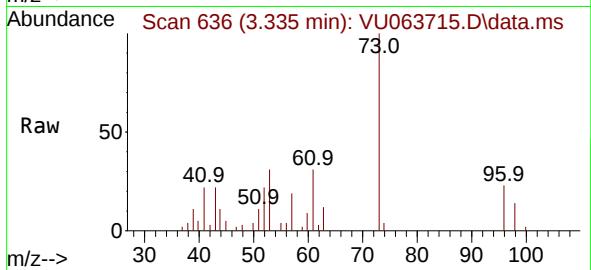
#19
Methyl tert-butyl Ether
Concen: 2.638 ug/l
RT: 3.335 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

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

Tgt Ion: 73 Resp: 1779
Ion Ratio Lower Upper
73 100
57 19.4 17.4 26.2

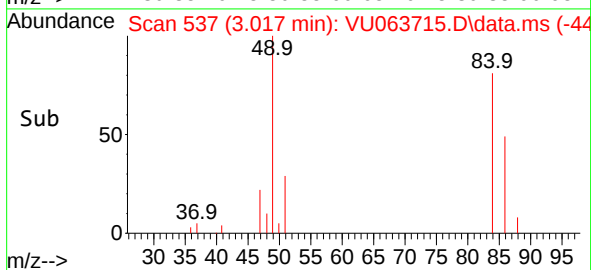
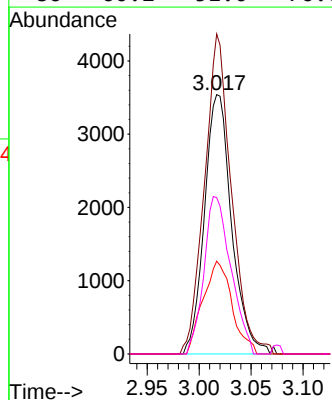
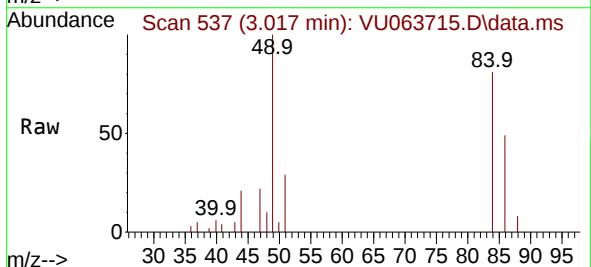
Manual Integrations
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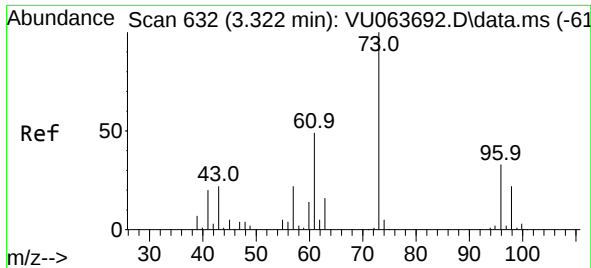
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#20
Methylene Chloride
Concen: 3.057 ug/l
RT: 3.017 min Scan# 537
Delta R.T. 0.003 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

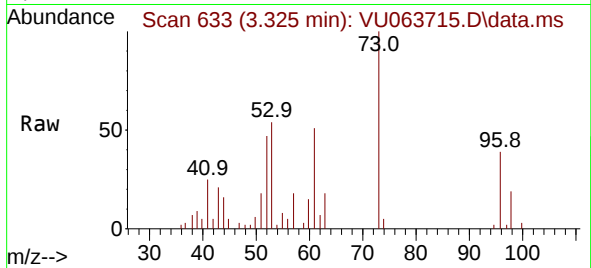
Tgt Ion: 84 Resp: 6473
Ion Ratio Lower Upper
84 100
49 123.4 98.4 147.6
51 35.8 30.1 45.1
86 60.2 51.0 76.6





#21
trans-1,2-Dichloroethene
Concen: 3.031 ug/l
RT: 3.325 min Scan# 611
Delta R.T. 0.003 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

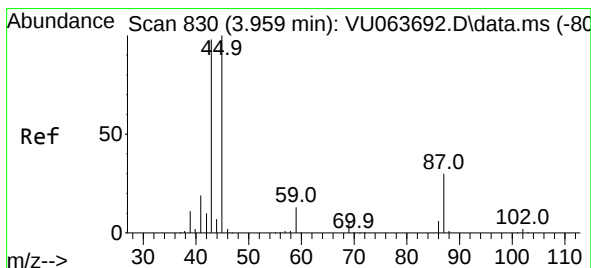
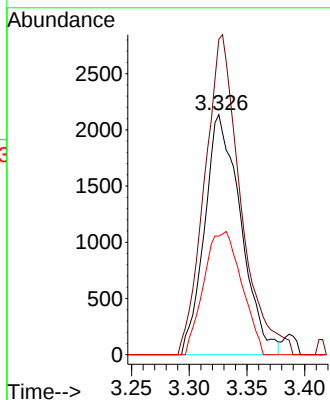
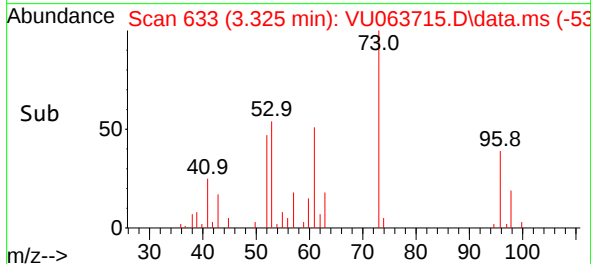
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 96 Resp: 465
Ion Ratio Lower Upper
96 100
61 131.5 117.5 176.3
98 49.4 52.7 79.1

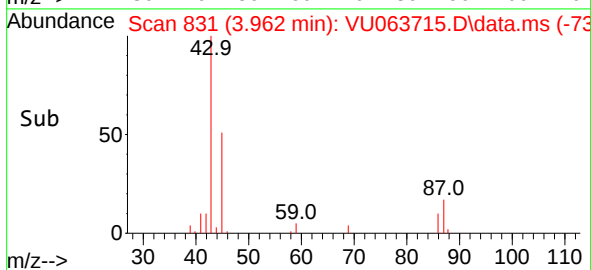
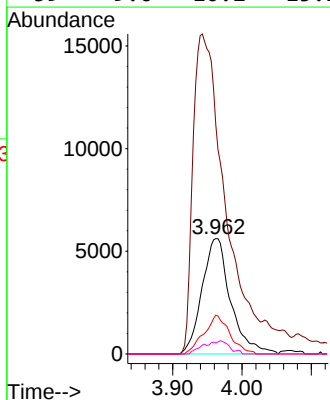
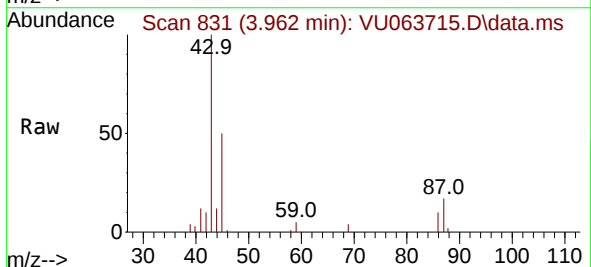
Manual Integrations
APPROVED

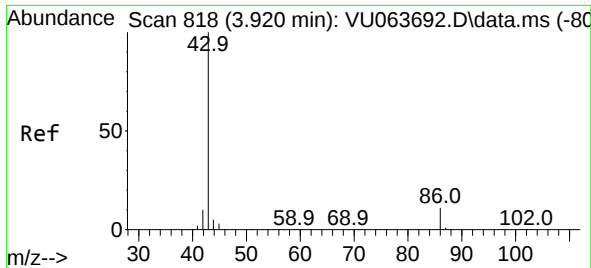
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#22
Diisopropyl ether
Concen: 2.613 ug/l
RT: 3.962 min Scan# 831
Delta R.T. 0.003 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion: 45 Resp: 16043
Ion Ratio Lower Upper
45 100
43 198.6 78.1 117.1#
87 33.7 23.8 35.8
59 9.6 10.2 15.2#





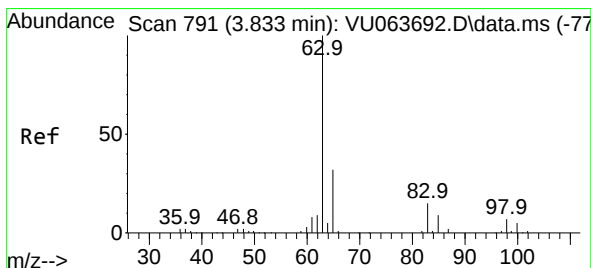
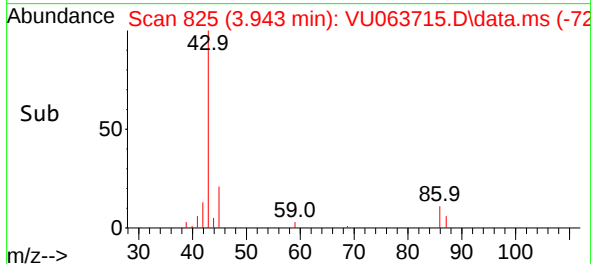
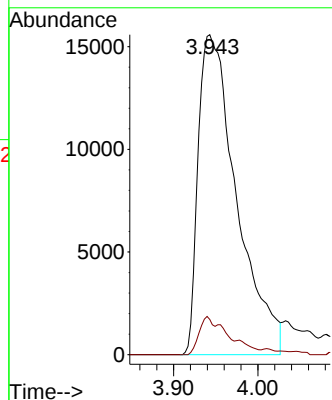
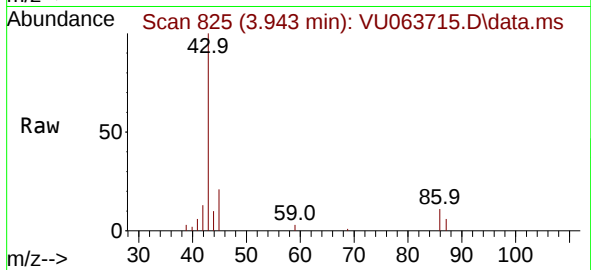
#23
 Vinyl Acetate
 Concen: 11.788 ug/l
 RT: 3.943 min Scan# 818
 Delta R.T. 0.023 min
 Lab File: VU063715.D
 Acq: 12 Nov 2025 13:05

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

Tgt Ion: 43 Resp: 49362
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.7 13.1

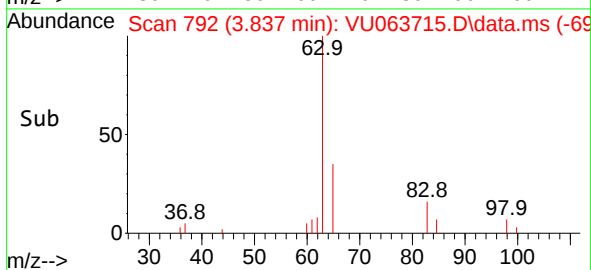
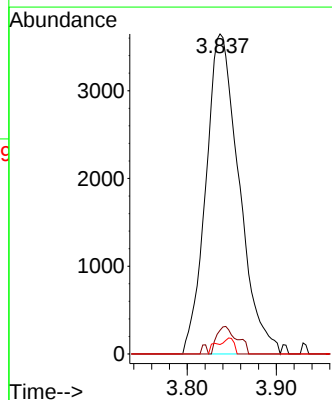
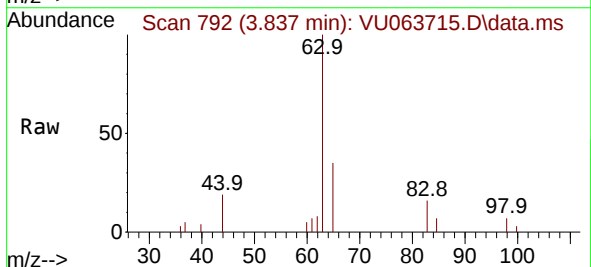
Manual Integrations
 APPROVED

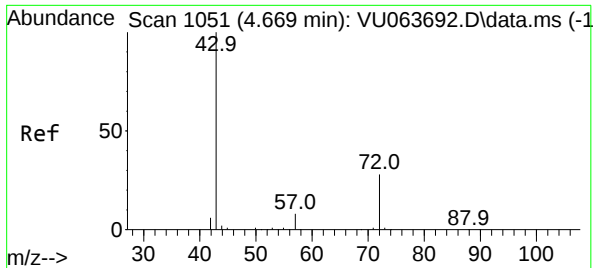
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#24
 1,1-Dichloroethane
 Concen: 2.666 ug/l
 RT: 3.837 min Scan# 792
 Delta R.T. 0.003 min
 Lab File: VU063715.D
 Acq: 12 Nov 2025 13:05

Tgt Ion: 63 Resp: 9441
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.7 11.1
 100 3.0 2.5 7.5





#25

2-Butanone

Concen: 13.069 ug/l

RT: 4.695 min Scan# 1059

Delta R.T. 0.026 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

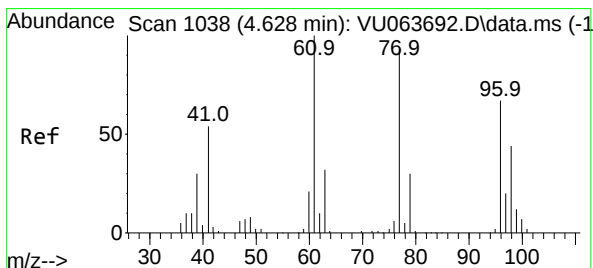
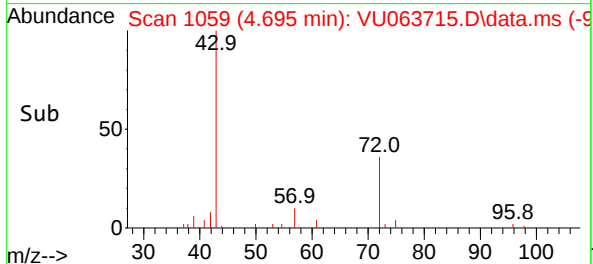
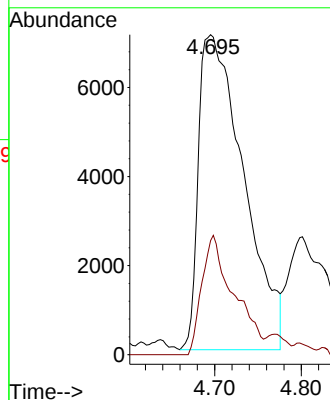
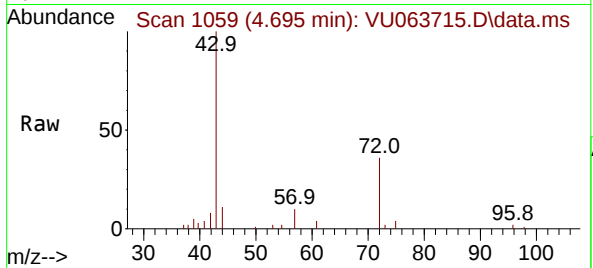
Tgt Ion: 43 Resp: 25554
 Ion Ratio Lower Upper
 43 100
 72 36.2 22.0 33.0

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#26

2,2-Dichloropropane

Concen: 2.382 ug/l

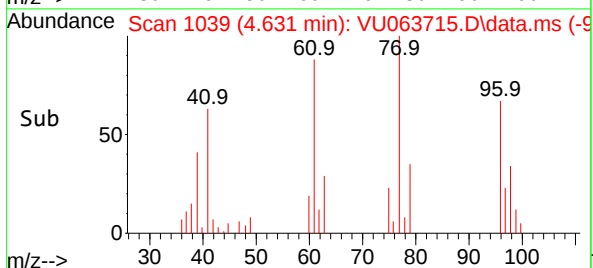
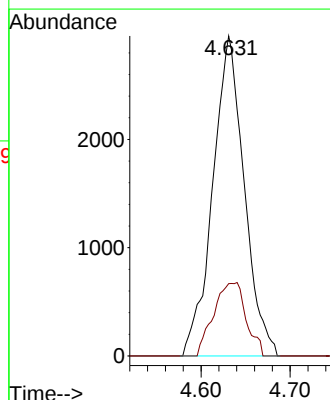
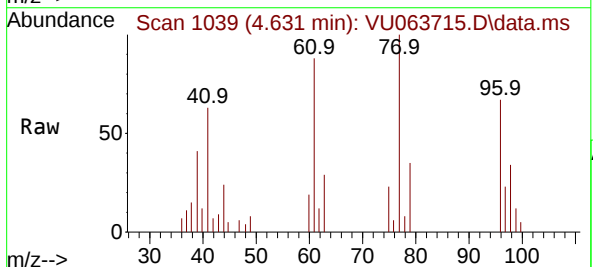
RT: 4.631 min Scan# 1039

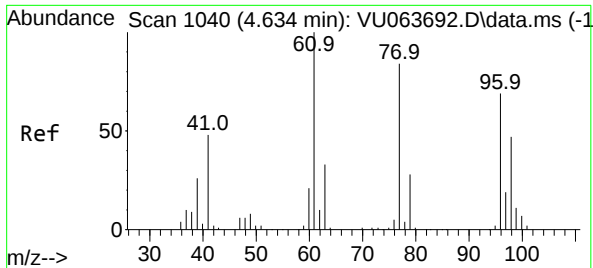
Delta R.T. 0.003 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

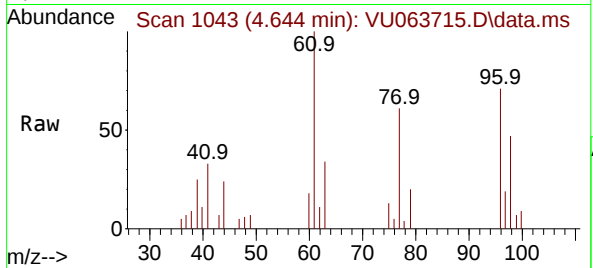
Tgt Ion: 77 Resp: 7245
 Ion Ratio Lower Upper
 77 100
 97 23.6 10.9 32.9





#27
 cis-1,2-Dichloroethene
 Concen: 2.670 ug/l
 RT: 4.644 min Scan# 1043
 Delta R.T. 0.010 min
 Lab File: VU063715.D
 Acq: 12 Nov 2025 13:05

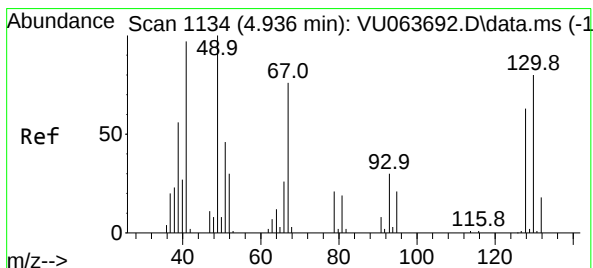
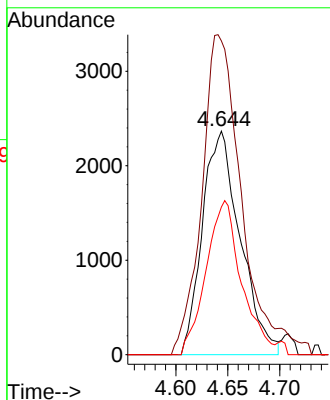
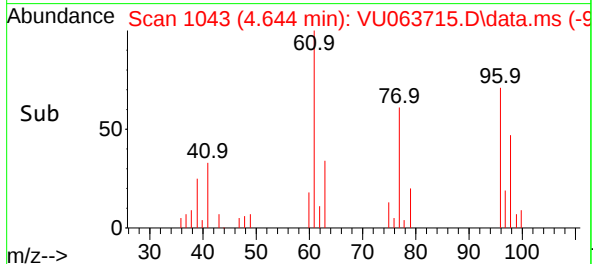
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025



Tgt Ion: 96 Resp: 598
 Ion Ratio Lower Upper
 96 100
 61 151.2 0.0 295.4
 98 64.4 0.0 131.8

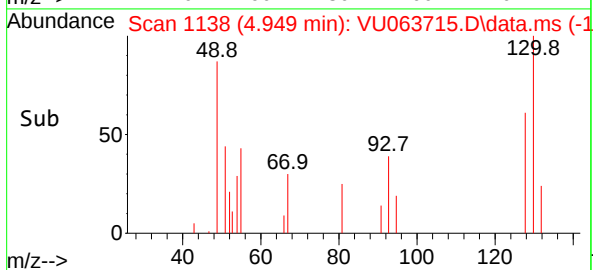
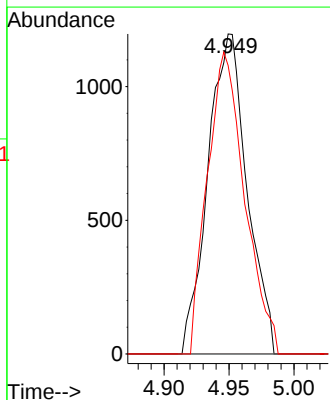
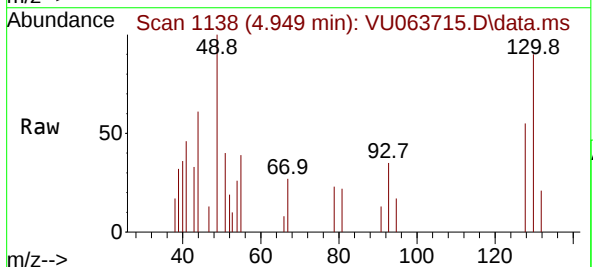
Manual Integrations
 APPROVED

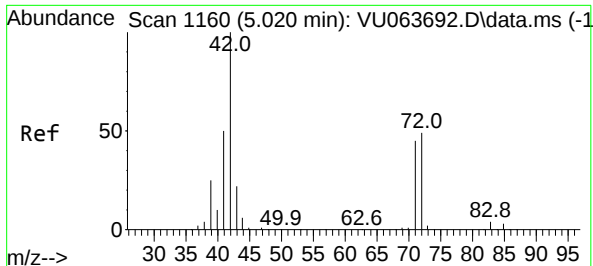
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#28
 Bromochloromethane
 Concen: 1.770 ug/l
 RT: 4.949 min Scan# 1138
 Delta R.T. 0.013 min
 Lab File: VU063715.D
 Acq: 12 Nov 2025 13:05

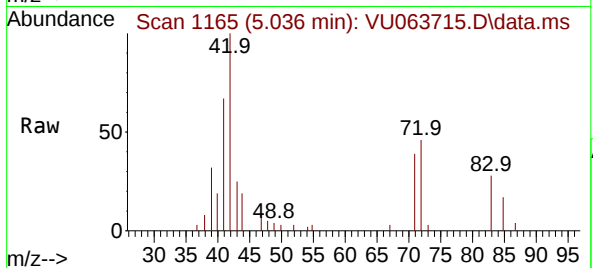
Tgt Ion: 49 Resp: 2508
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 90.0 65.1 97.7





#29
Tetrahydrofuran
Concen: 12.016 ug/l
RT: 5.036 min Scan# 1165
Delta R.T. 0.016 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

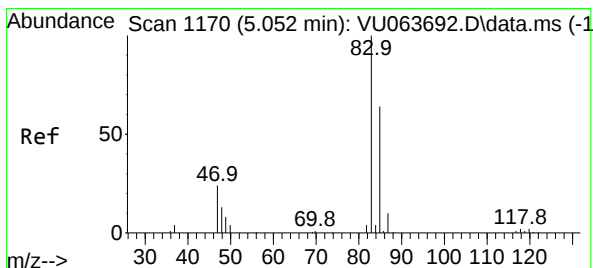
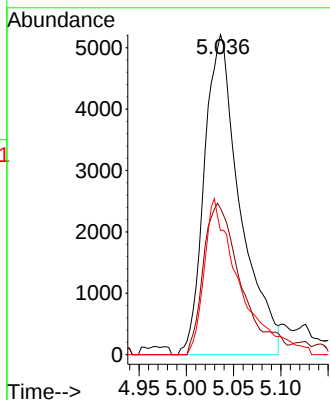
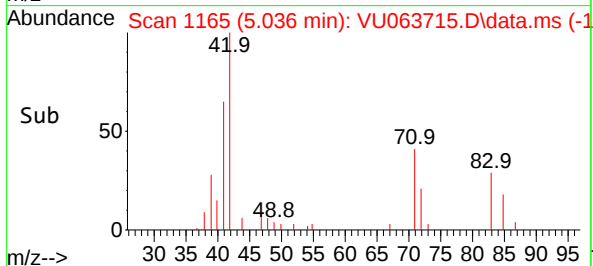
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion: 42 Resp: 13672
Ion Ratio Lower Upper
42 100
72 50.1 40.0 60.0
71 48.3 37.4 56.0

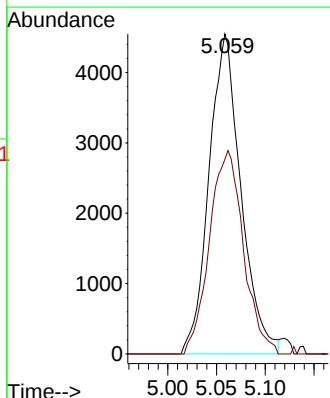
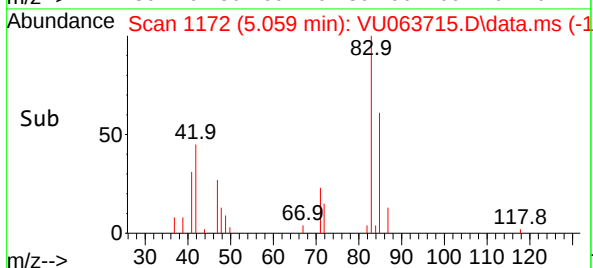
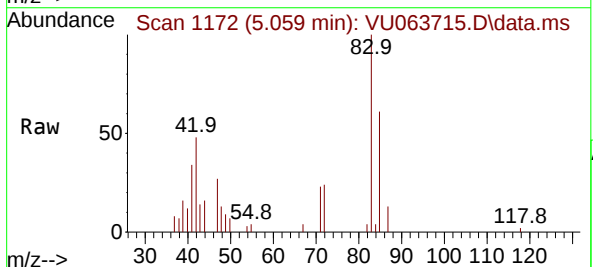
Manual Integrations
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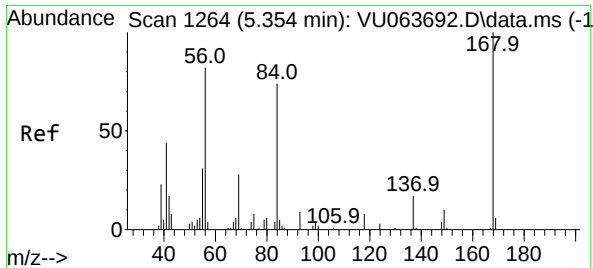
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#30
Chloroform
Concen: 2.668 ug/l
RT: 5.059 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

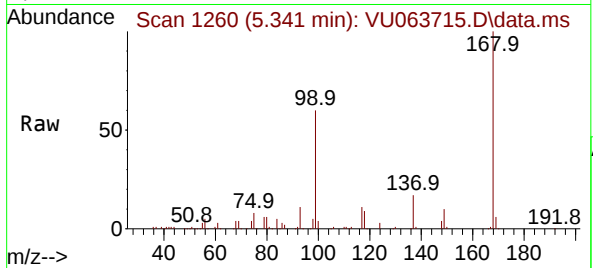
Tgt Ion: 83 Resp: 10350
Ion Ratio Lower Upper
83 100
85 60.8 51.0 76.6





#31
Cyclohexane
Concen: 4.433 ug/l
RT: 5.341 min Scan# 1108
Delta R.T. -0.013 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

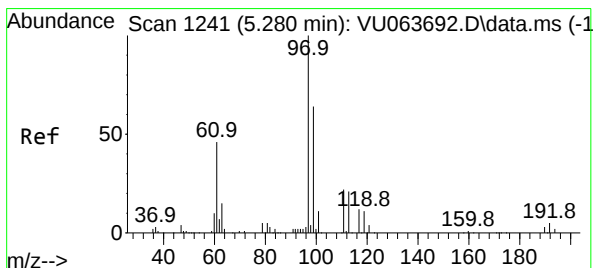
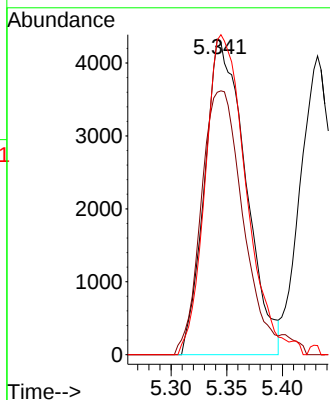
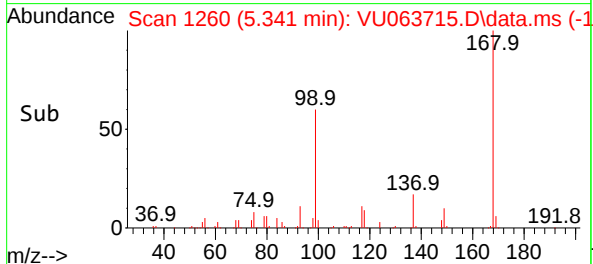
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion: 56 Resp: 1108
Ion Ratio Lower Upper
56 100
69 80.2 27.0 40.6
84 99.7 71.8 107.6

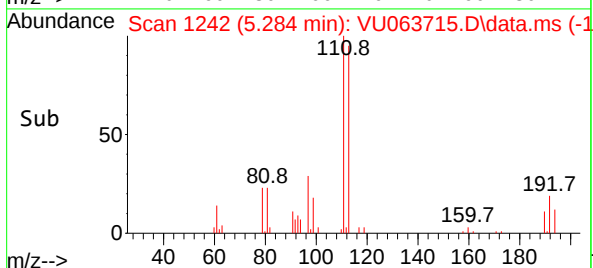
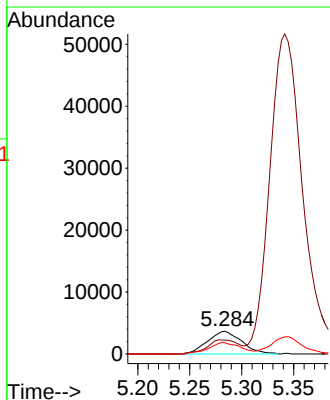
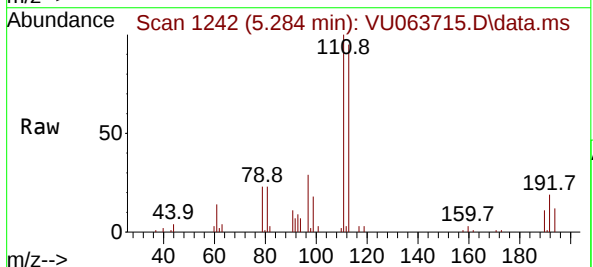
Manual Integrations
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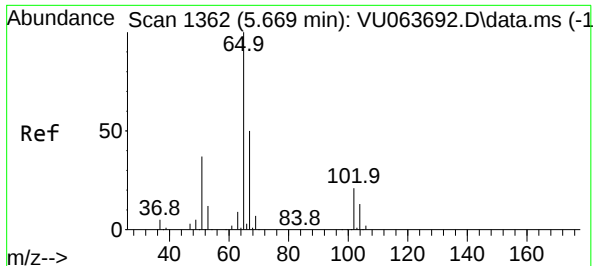
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#32
1,1,1-Trichloroethane
Concen: 2.632 ug/l
RT: 5.284 min Scan# 1242
Delta R.T. 0.003 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion: 97 Resp: 8378
Ion Ratio Lower Upper
97 100
99 57.4 49.8 74.8
61 46.6 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 50.681 ug/l

RT: 5.669 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 65 Resp: 143930

Ion Ratio Lower Upper

65 100

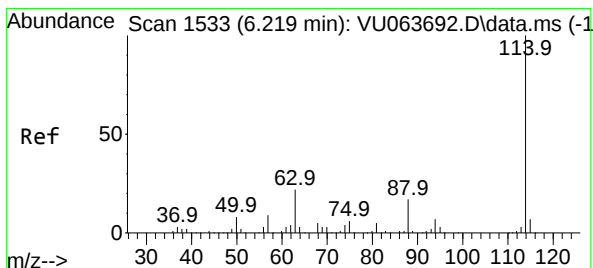
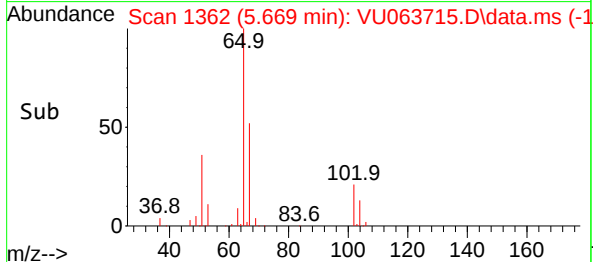
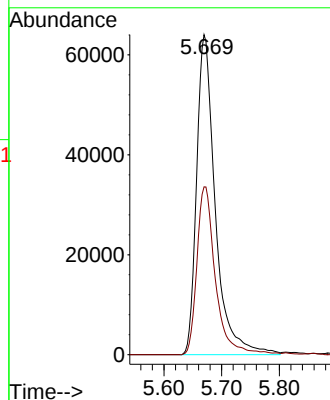
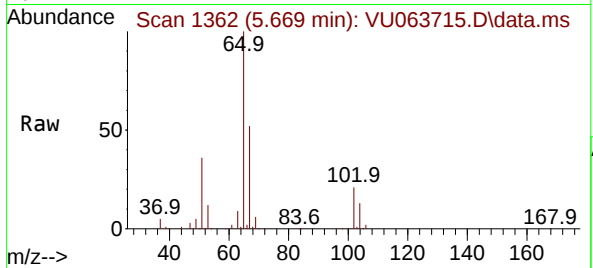
67 52.1 0.0 101.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.219 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

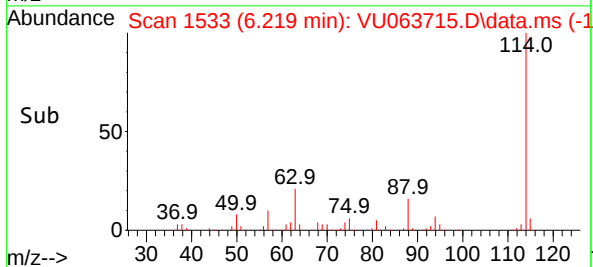
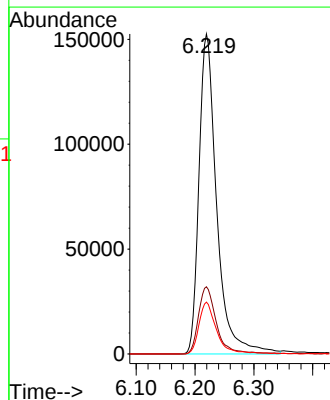
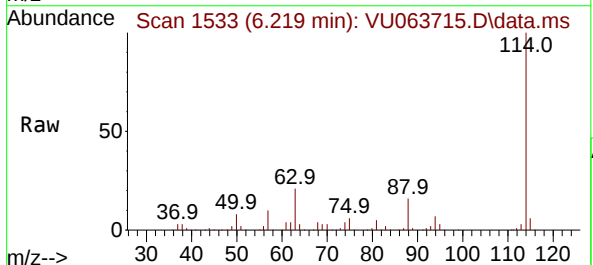
Tgt Ion:114 Resp: 319272

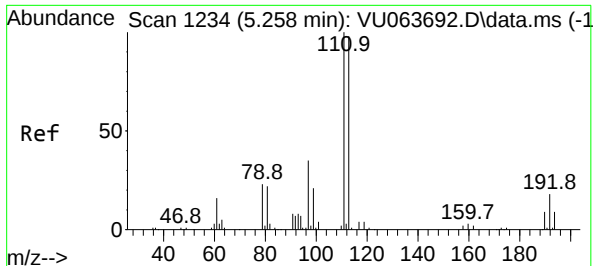
Ion Ratio Lower Upper

114 100

63 21.0 0.0 44.0

88 16.2 0.0 33.6





#35

Dibromofluoromethane

Concen: 49.884 ug/l

RT: 5.255 min Scan# 111549

Delta R.T. -0.003 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 113 Resp: 111549

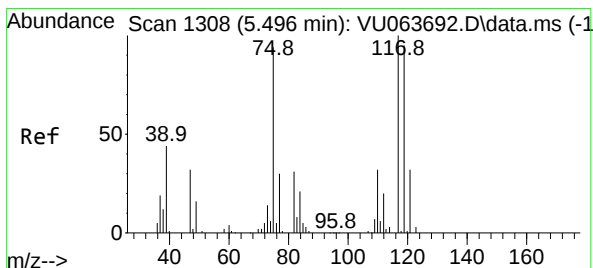
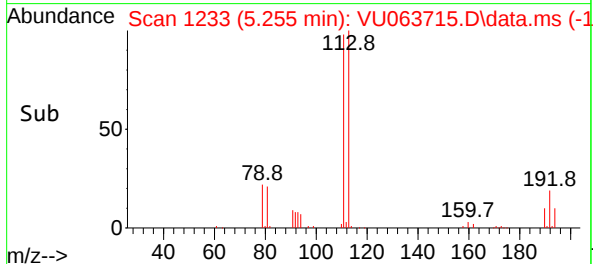
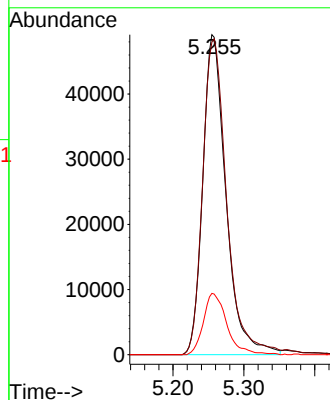
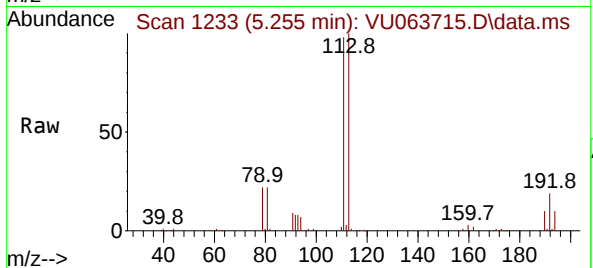
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.4	123.6
192	19.4	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#36

1,1-Dichloropropene

Concen: 2.500 ug/l

RT: 5.502 min Scan# 1310

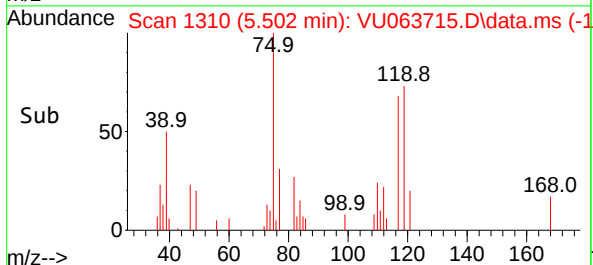
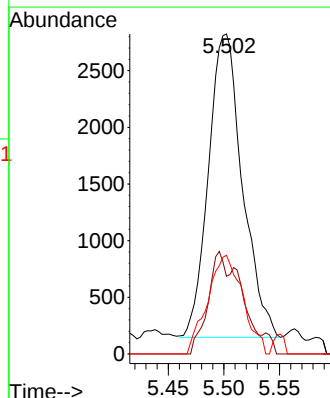
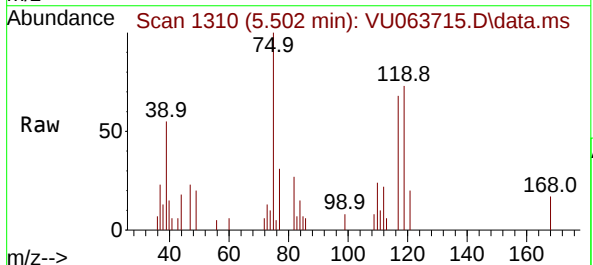
Delta R.T. 0.006 min

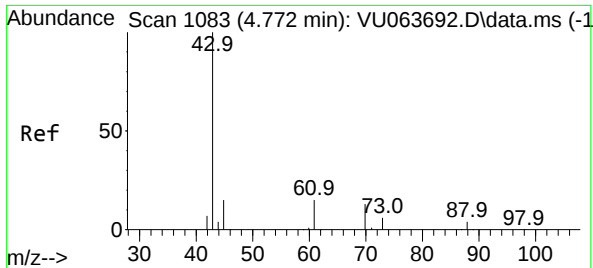
Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Tgt Ion: 75 Resp: 5689

Ion	Ratio	Lower	Upper
75	100		
110	20.2	17.3	51.7
77	33.5	24.4	36.6





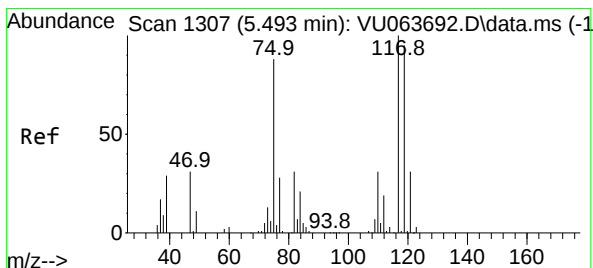
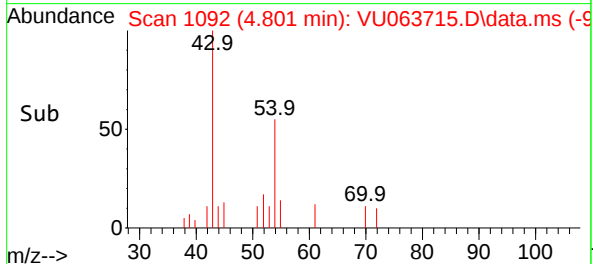
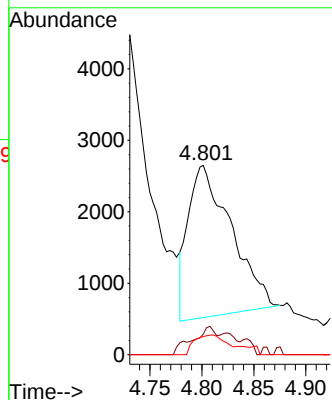
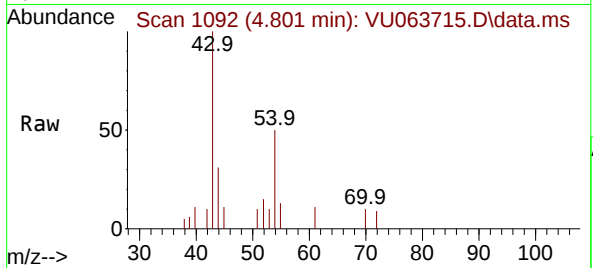
#37
Ethyl Acetate
Concen: 1.896 ug/l
RT: 4.801 min Scan# 1092
Delta R.T. 0.029 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

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

Tgt Ion: 43 Resp: 6110
Ion Ratio Lower Upper
43 100
61 10.8 10.3 15.5
70 9.6 8.9 13.3

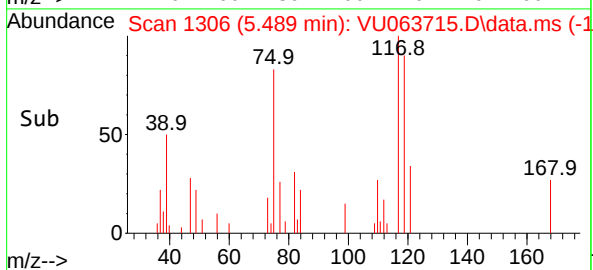
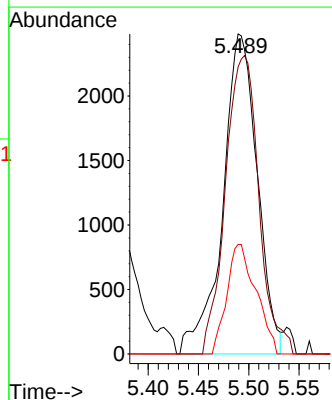
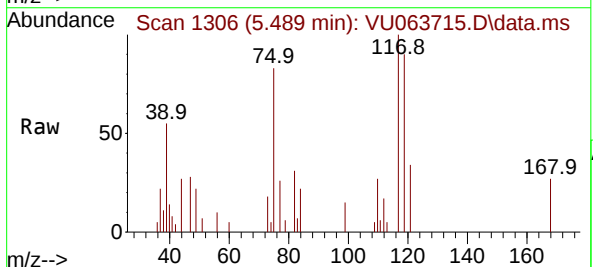
Manual Integrations
APPROVED

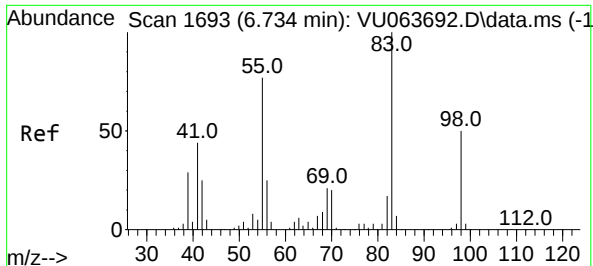
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#38
Carbon Tetrachloride
Concen: 2.408 ug/l
RT: 5.489 min Scan# 1306
Delta R.T. -0.003 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion:117 Resp: 5924
Ion Ratio Lower Upper
117 100
119 89.7 76.1 114.1
121 34.3 24.6 37.0





#39

Methylcyclohexane

Concen: 2.840 ug/l

RT: 6.734 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 83 Resp: 7338

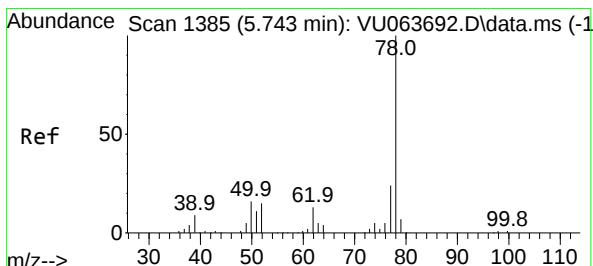
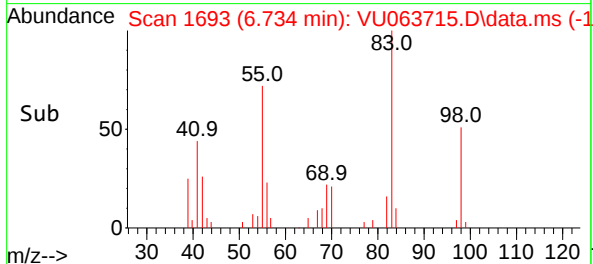
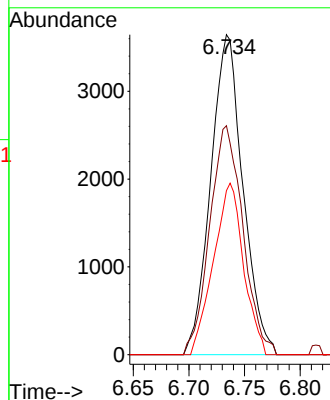
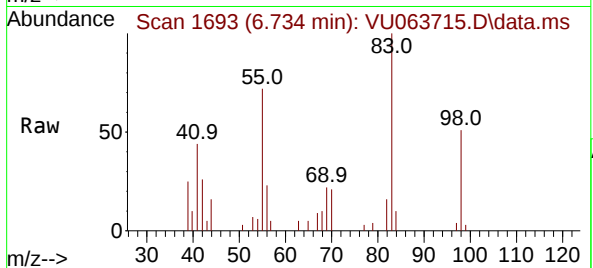
Ion	Ratio	Lower	Upper
83	100		
55	71.6	61.6	92.4
98	51.3	40.0	60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#40

Benzene

Concen: 2.737 ug/l

RT: 5.747 min Scan# 1386

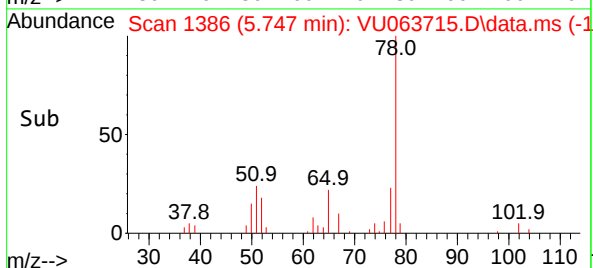
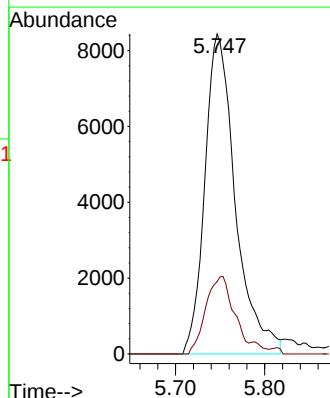
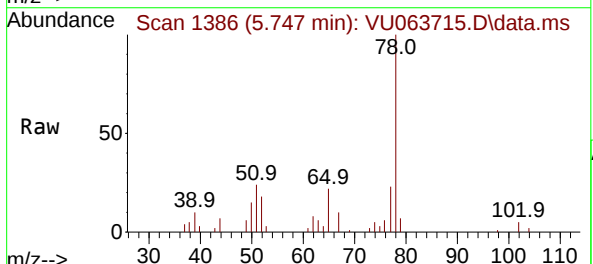
Delta R.T. 0.003 min

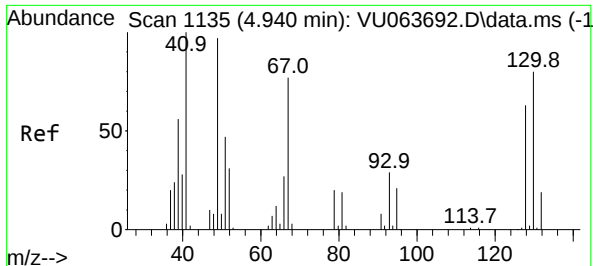
Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Tgt Ion: 78 Resp: 20099

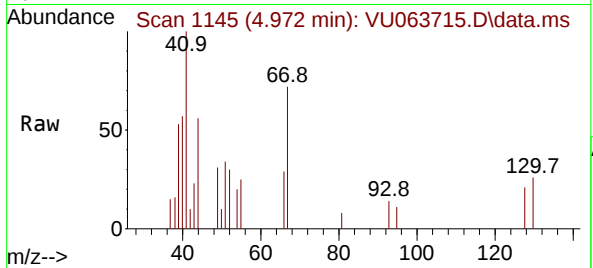
Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.9	28.3





#41
Methacrylonitrile
Concen: 1.841 ug/l m
RT: 4.972 min Scan# 1135
Delta R.T. 0.032 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

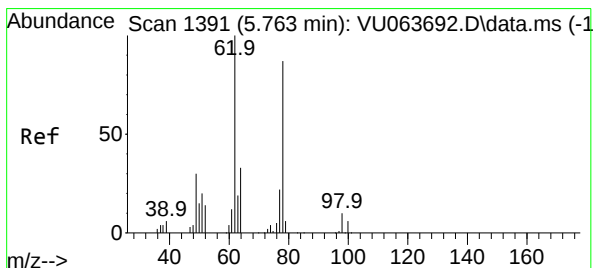
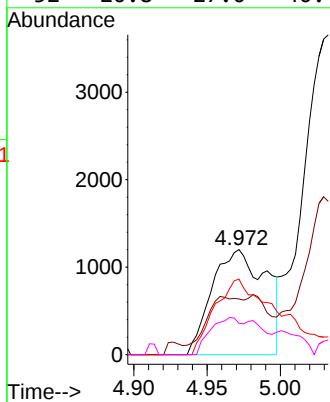
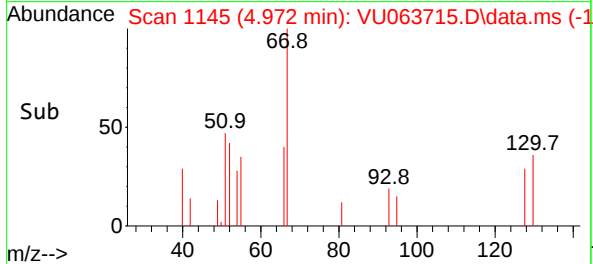
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion: 41 Resp: 3083
Ion Ratio Lower Upper
41 100
39 29.3 44.7 67.1
67 89.4 67.4 101.2
52 20.8 27.0 40.4

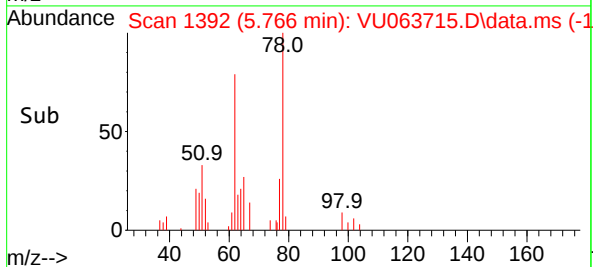
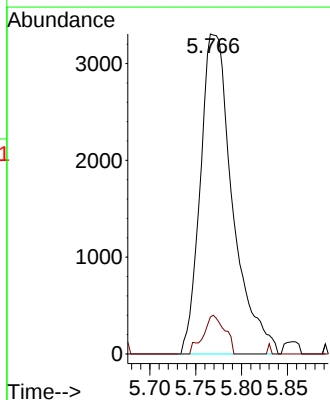
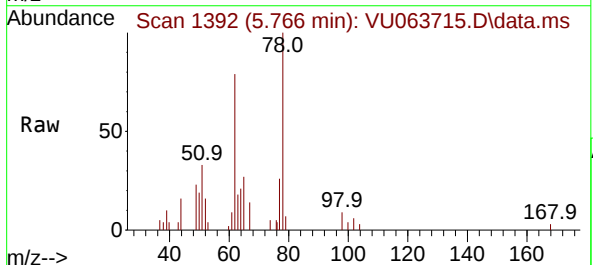
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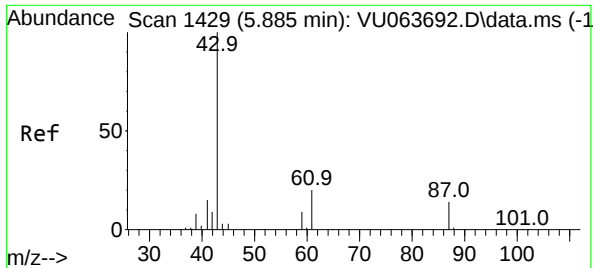
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#42
1,2-Dichloroethane
Concen: 2.787 ug/l
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion: 62 Resp: 8073
Ion Ratio Lower Upper
62 100
98 8.1 0.0 18.2





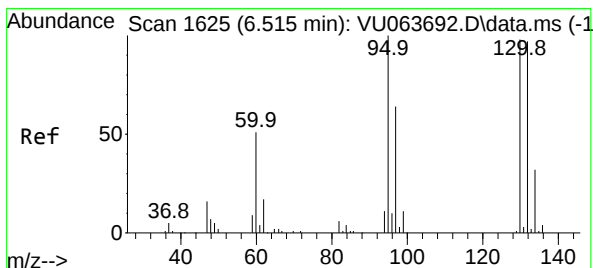
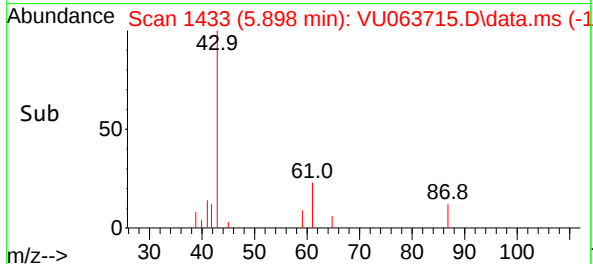
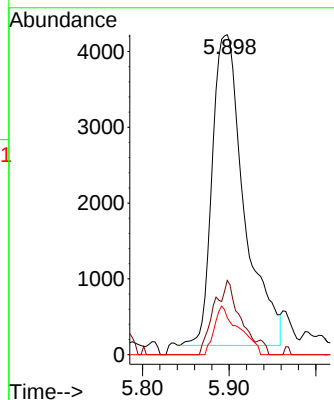
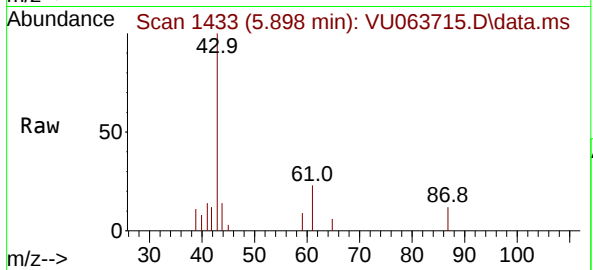
#43
Isopropyl Acetate
Concen: 2.223 ug/l
RT: 5.898 min Scan# 1429
Delta R.T. 0.013 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

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

Tgt Ion: 43 Resp: 1050
Ion Ratio Lower Upper
43 100
61 20.3 15.9 23.9
87 11.9 11.0 16.6

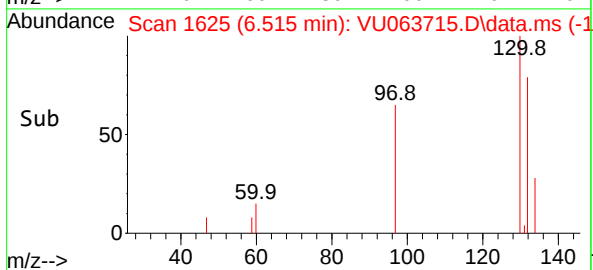
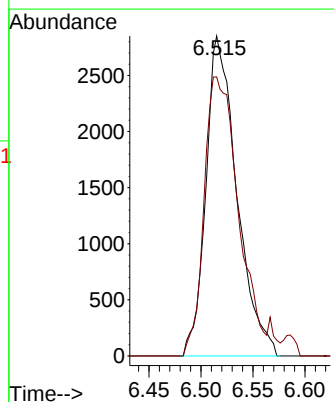
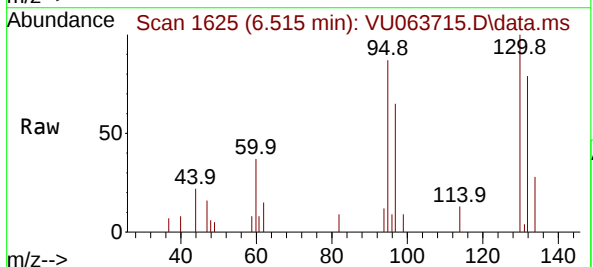
Manual Integrations
APPROVED

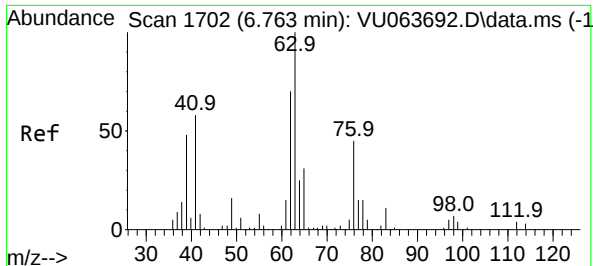
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#44
Trichloroethene
Concen: 2.865 ug/l
RT: 6.515 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion:130 Resp: 5903
Ion Ratio Lower Upper
130 100
95 87.2 0.0 203.6





#45

1,2-Dichloropropane

Concen: 2.635 ug/l

RT: 6.763 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 63 Resp: 526

Ion Ratio Lower Upper

63 100

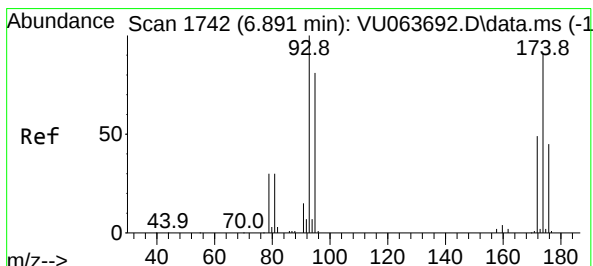
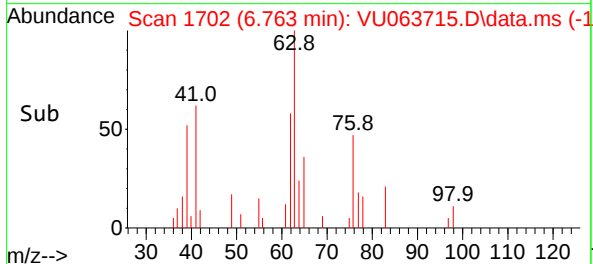
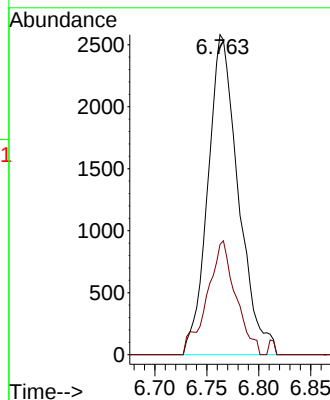
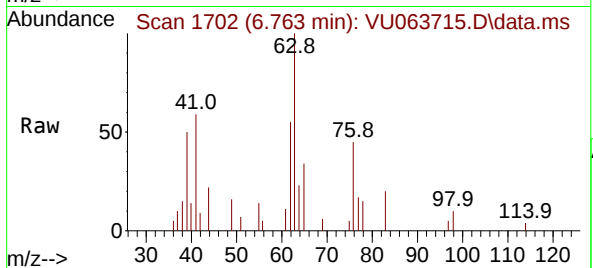
65 34.5 24.9 37.3

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#46

Dibromomethane

Concen: 2.780 ug/l

RT: 6.891 min Scan# 1742

Delta R.T. 0.000 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

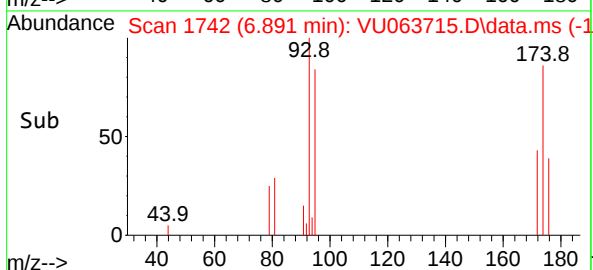
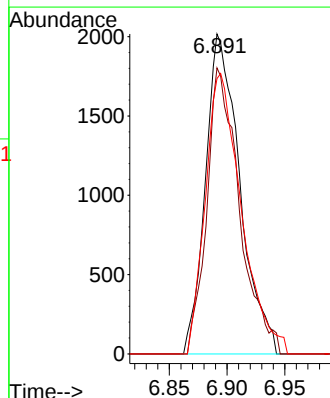
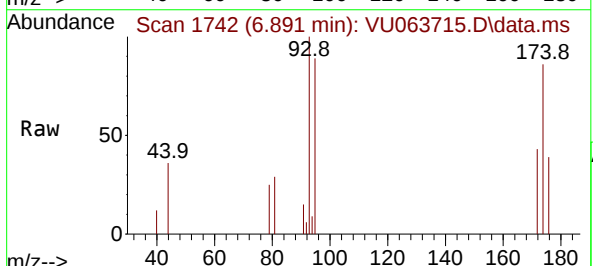
Tgt Ion: 93 Resp: 4168

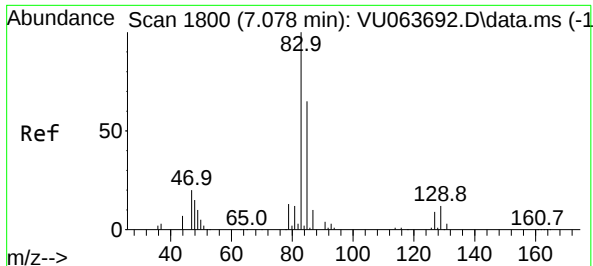
Ion Ratio Lower Upper

93 100

95 85.2 65.9 98.9

174 92.2 74.9 112.3





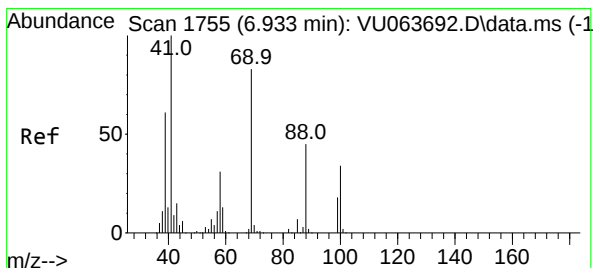
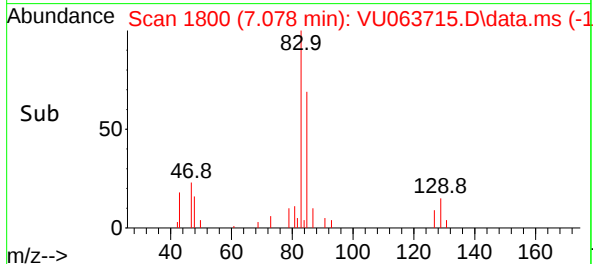
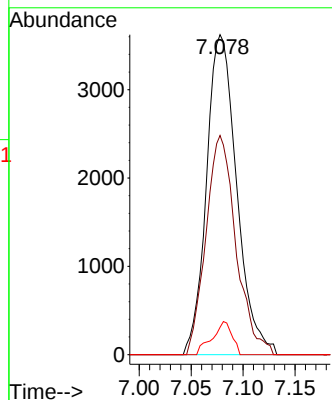
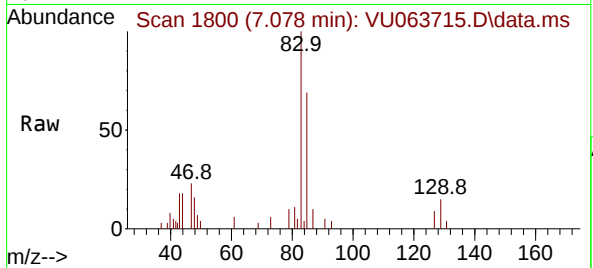
#47
Bromodichloromethane
Concen: 2.410 ug/l
RT: 7.078 min Scan# 1800
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

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

Tgt Ion: 83 Resp: 7320
Ion Ratio Lower Upper
83 100
85 68.5 51.9 77.9
127 8.6 6.9 10.3

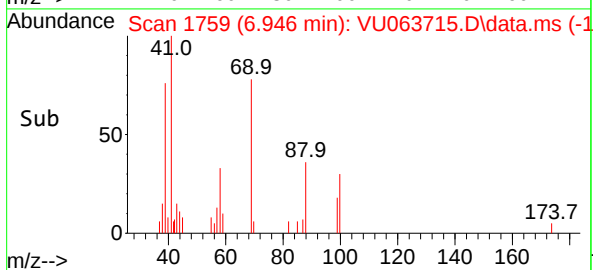
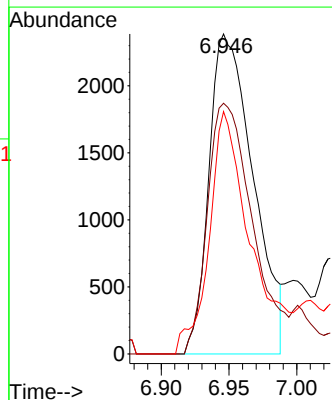
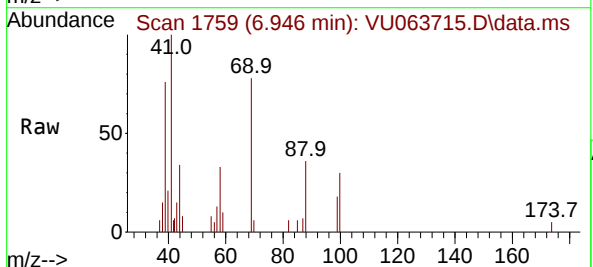
Manual Integrations
APPROVED

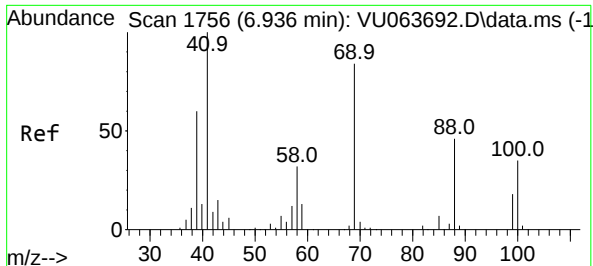
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#48
Methyl methacrylate
Concen: 2.335 ug/l
RT: 6.946 min Scan# 1759
Delta R.T. 0.013 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion: 41 Resp: 5415
Ion Ratio Lower Upper
41 100
69 80.3 72.9 109.3
39 70.8 51.0 76.4





#49

1,4-Dioxane

Concen: 40.795 ug/l

RT: 6.952 min Scan# 1761

Delta R.T. 0.016 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

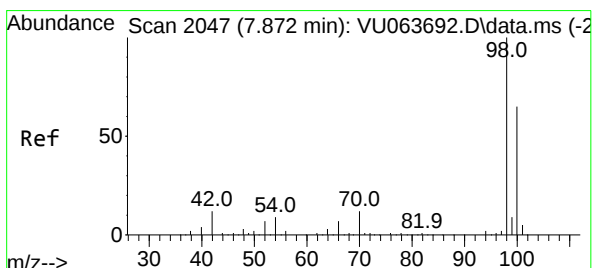
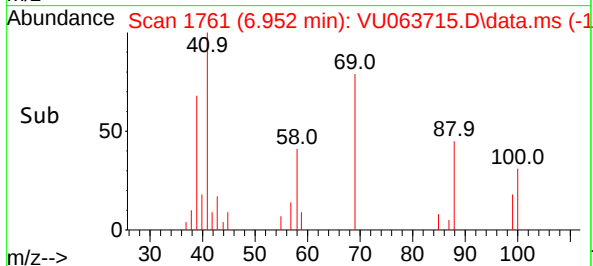
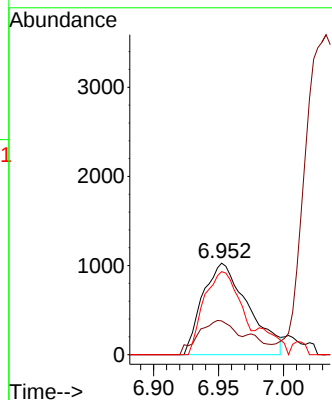
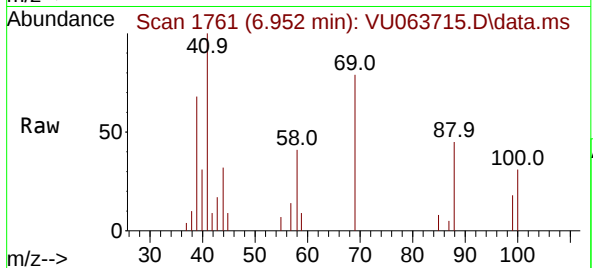
Tgt Ion: 88 Resp: 2500
 Ion Ratio Lower Upper
 88 100
 43 30.3 24.1 36.1
 58 73.5 54.2 81.4

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#50

Toluene-d8

Concen: 48.948 ug/l

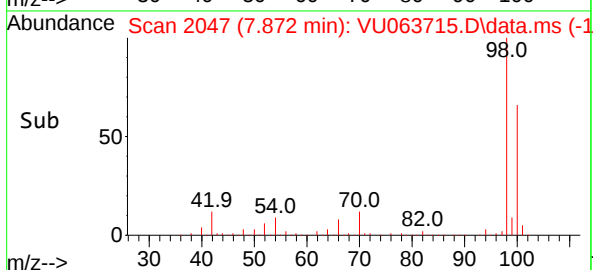
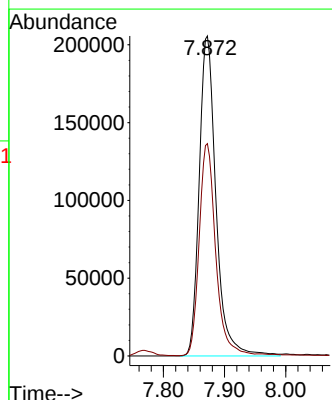
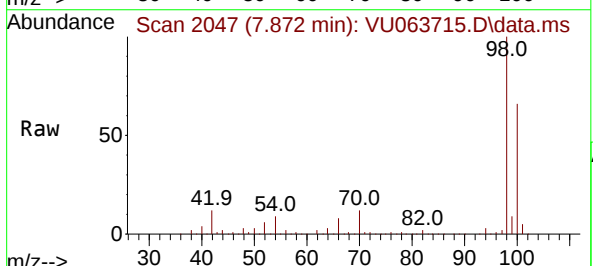
RT: 7.872 min Scan# 2047

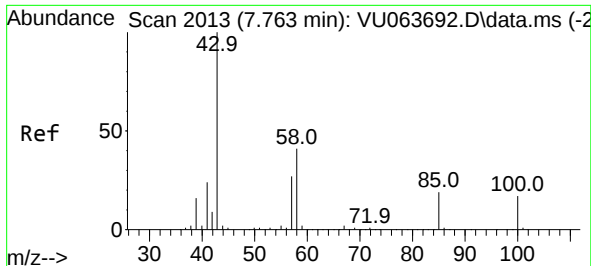
Delta R.T. 0.000 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Tgt Ion: 98 Resp: 393228
 Ion Ratio Lower Upper
 98 100
 100 65.1 52.5 78.7





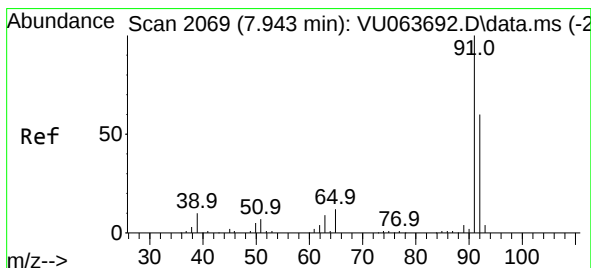
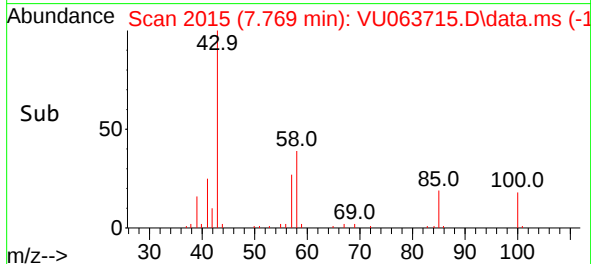
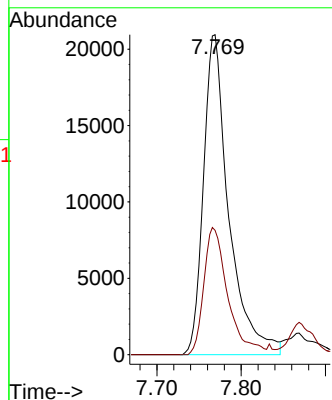
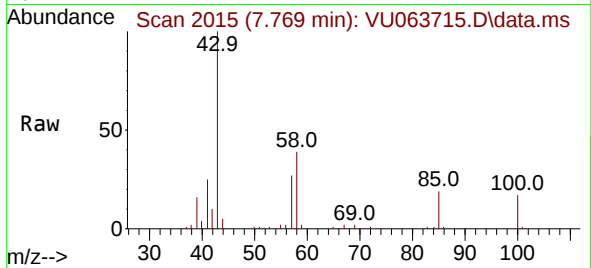
#51
4-Methyl-2-Pentanone
Concen: 12.135 ug/l
RT: 7.769 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

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

Tgt Ion: 43 Resp: 4386
Ion Ratio Lower Upper
43 100
58 37.7 32.3 48.5

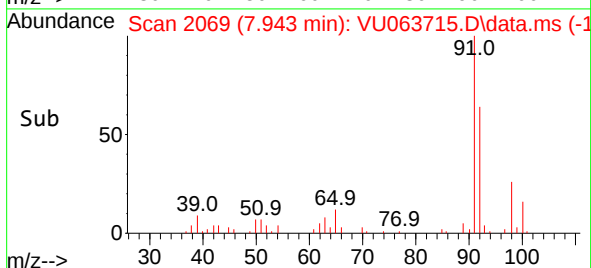
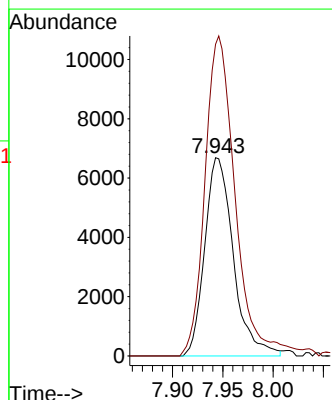
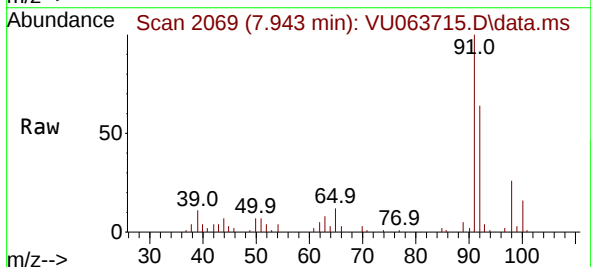
Manual Integrations
APPROVED

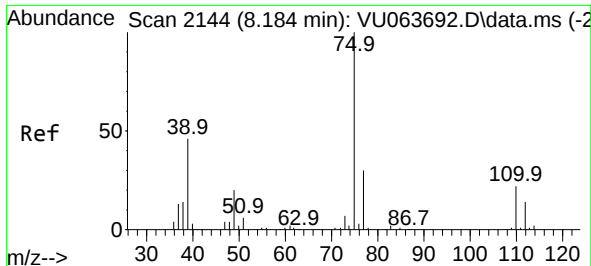
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#52
Toluene
Concen: 2.780 ug/l
RT: 7.943 min Scan# 2069
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion: 92 Resp: 13249
Ion Ratio Lower Upper
92 100
91 170.6 136.6 204.8





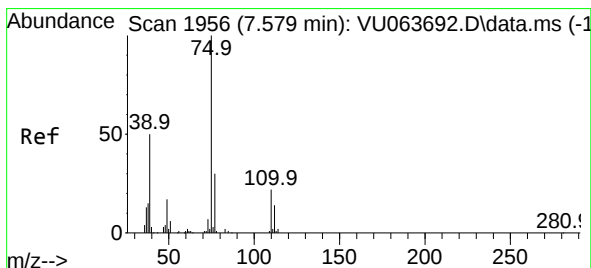
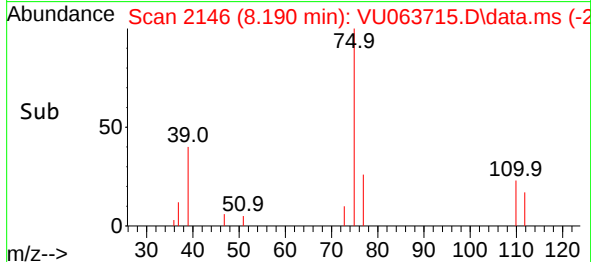
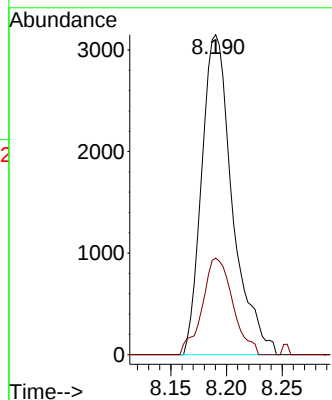
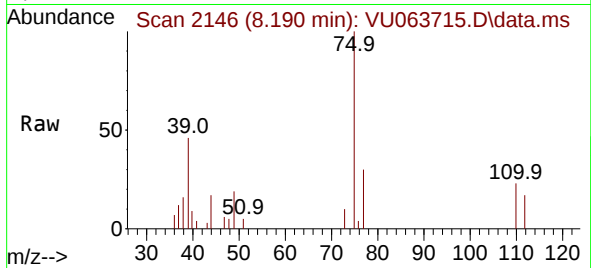
#53
t-1,3-Dichloropropene
Concen: 2.362 ug/l
RT: 8.190 min Scan# 2146
Delta R.T. 0.006 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

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

Tgt Ion: 75 Resp: 6040
Ion Ratio Lower Upper
75 100
77 30.2 24.3 36.5

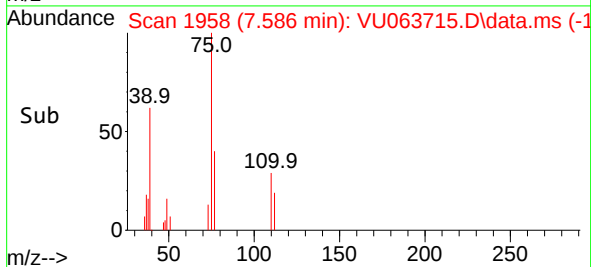
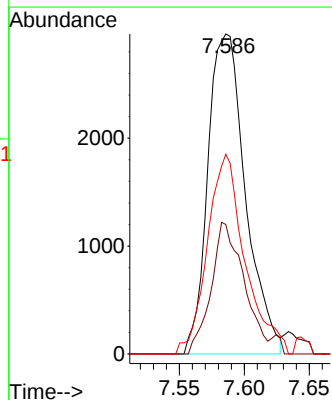
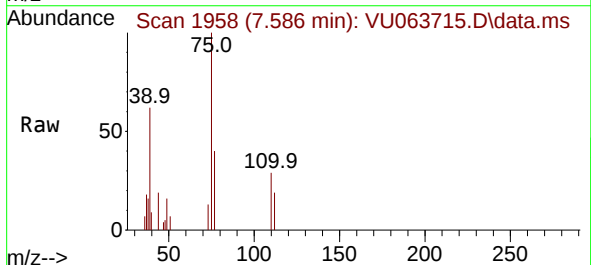
Manual Integrations
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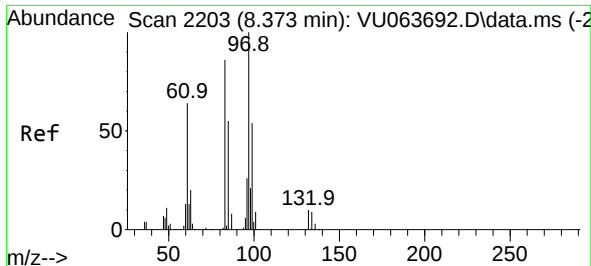
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#54
cis-1,3-Dichloropropene
Concen: 2.084 ug/l
RT: 7.586 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

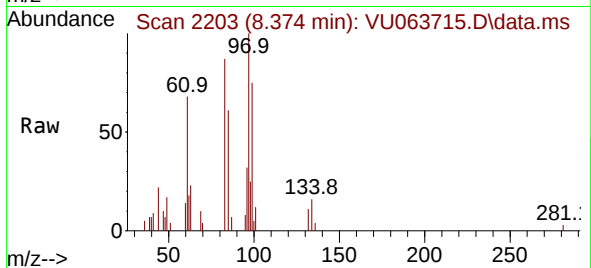
Tgt Ion: 75 Resp: 5979
Ion Ratio Lower Upper
75 100
77 40.5 24.3 36.5#
39 56.7 40.2 60.2





#55
1,1,2-Trichloroethane
Concen: 2.634 ug/l
RT: 8.374 min Scan# 2185
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

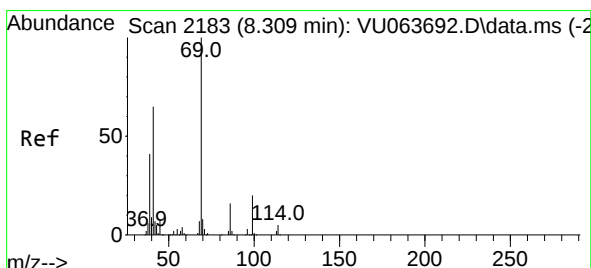
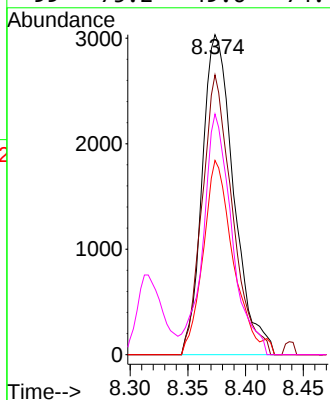
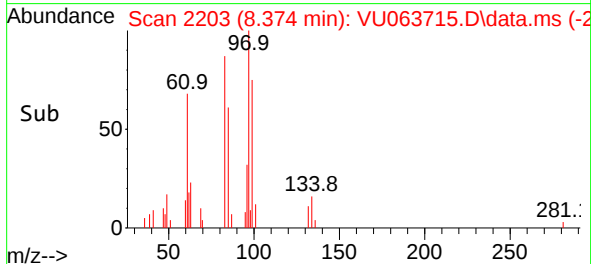
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.0	103.4
85	60.7	44.2	66.4
99	75.2	49.6	74.4

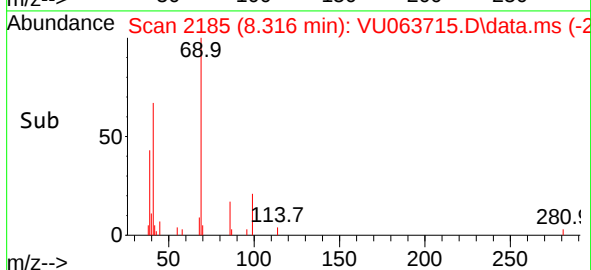
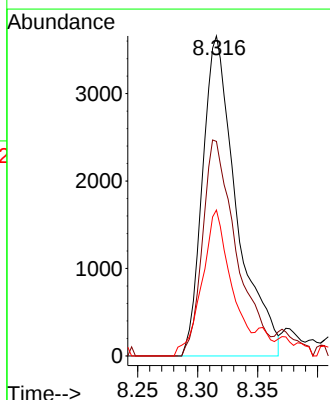
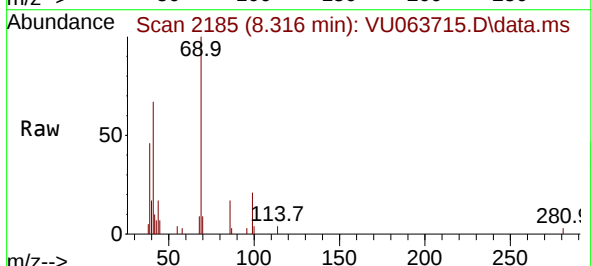
Manual Integrations
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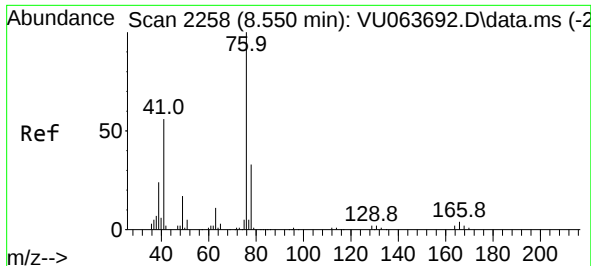
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#56
Ethyl methacrylate
Concen: 2.233 ug/l
RT: 8.316 min Scan# 2185
Delta R.T. 0.006 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.1	51.4	77.2
39	39.0	32.2	48.4





#57

1,3-Dichloropropane

Concen: 2.726 ug/l

RT: 8.554 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 76 Resp: 972

Ion Ratio Lower Upper

76 100

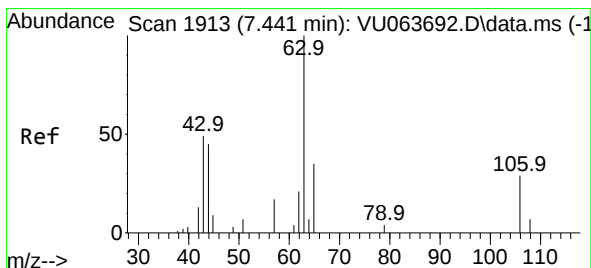
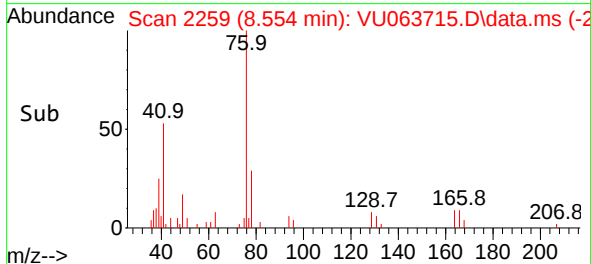
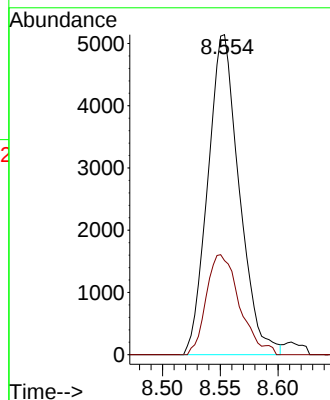
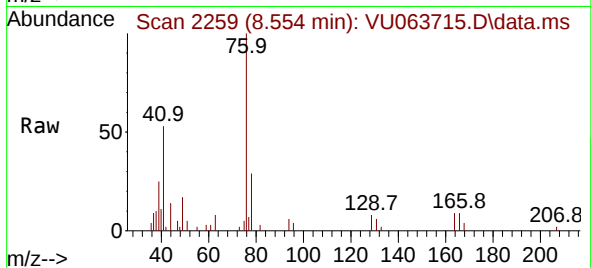
78 33.1 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#58

2-Chloroethyl Vinyl ether

Concen: 3.814 ug/l

RT: 7.457 min Scan# 1918

Delta R.T. 0.016 min

Lab File: VU063715.D

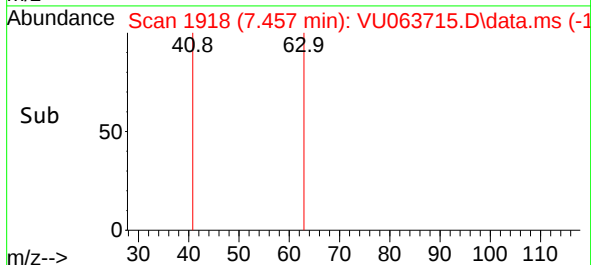
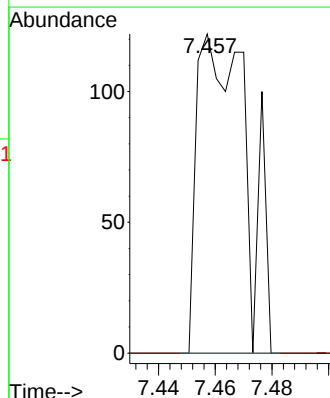
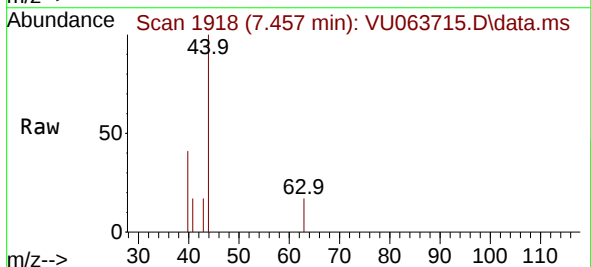
Acq: 12 Nov 2025 13:05

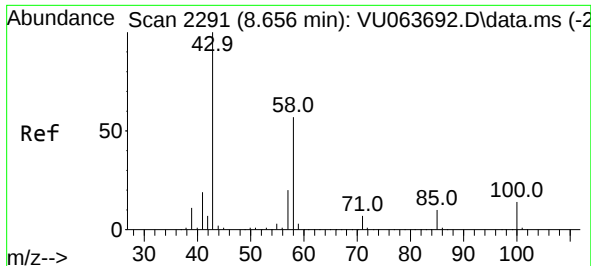
Tgt Ion: 63 Resp: 148

Ion Ratio Lower Upper

63 100

106 0.0 15.8 23.8#





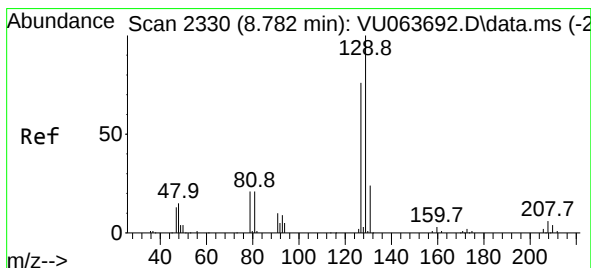
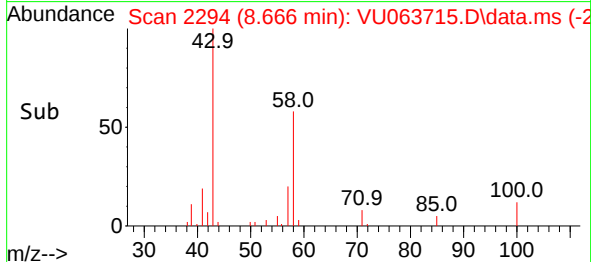
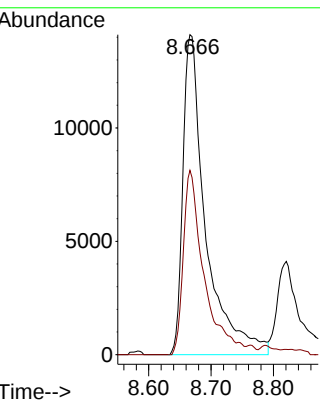
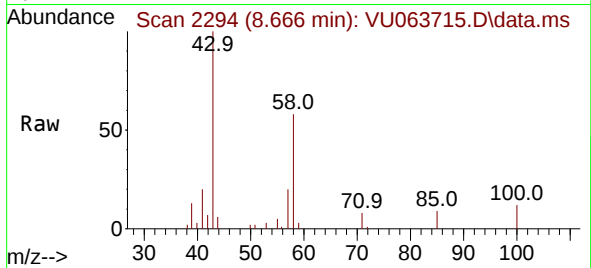
#59
2-Hexanone
Concen: 13.230 ug/l
RT: 8.666 min Scan# 2291
Delta R.T. 0.010 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

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

Tgt Ion: 43 Resp: 35618
Ion Ratio Lower Upper
43 100
58 52.5 28.4 85.3

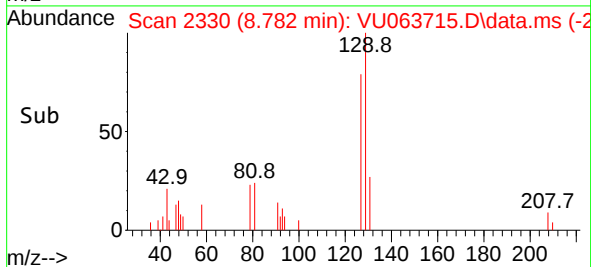
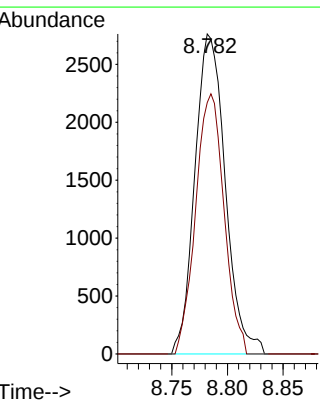
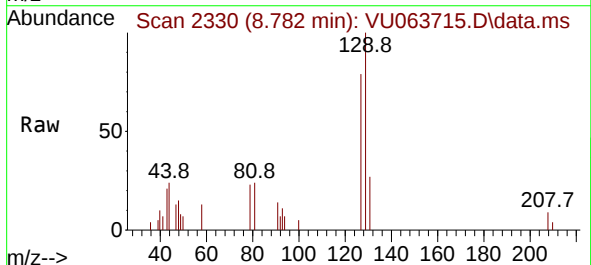
Manual Integrations
APPROVED

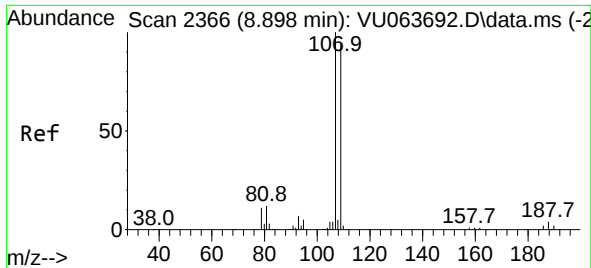
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#60
Dibromochloromethane
Concen: 2.288 ug/l
RT: 8.782 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion:129 Resp: 5241
Ion Ratio Lower Upper
129 100
127 76.0 38.2 114.6





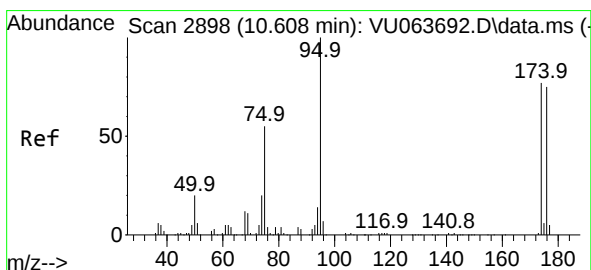
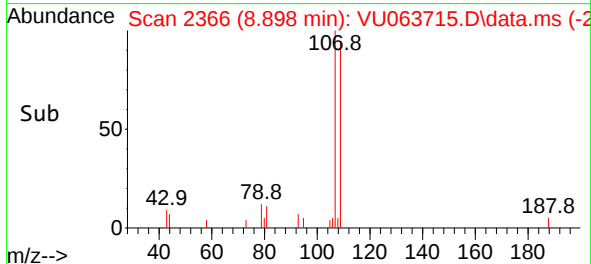
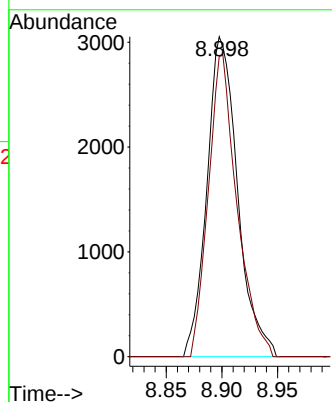
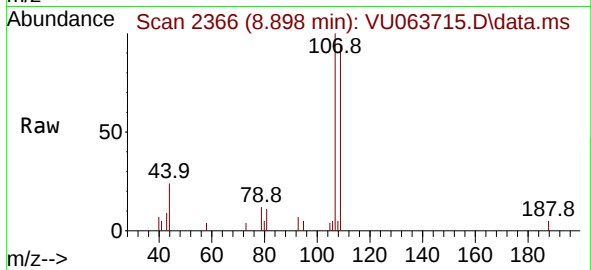
#61
1,2-Dibromoethane
Concen: 2.782 ug/l
RT: 8.898 min Scan# 2366
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

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

Tgt Ion:107 Resp: 586
Ion Ratio Lower Upper
107 100
109 88.0 73.8 110.8

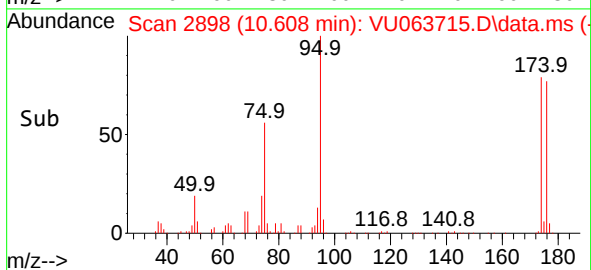
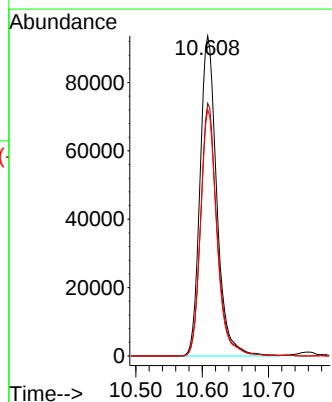
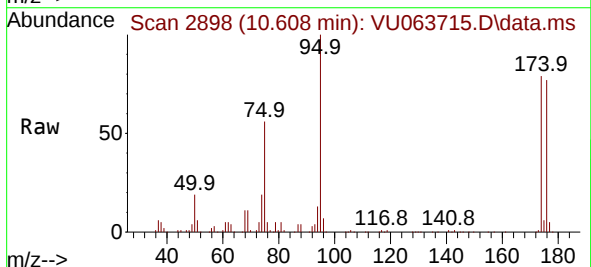
Manual Integrations
APPROVED

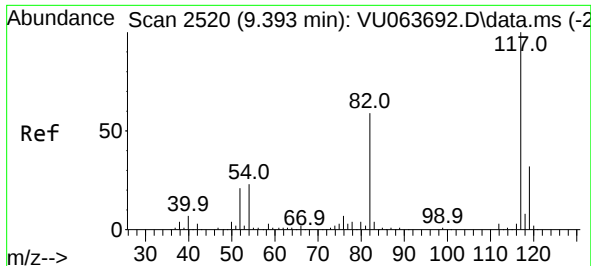
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#62
4-Bromofluorobenzene
Concen: 49.388 ug/l
RT: 10.608 min Scan# 2898
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

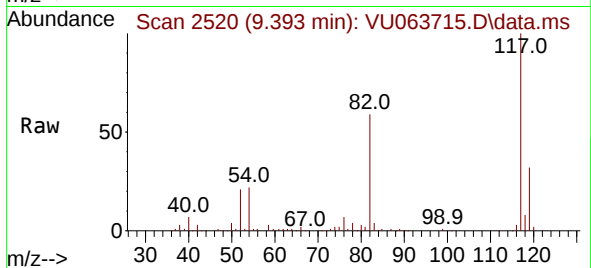
Tgt Ion: 95 Resp: 164127
Ion Ratio Lower Upper
95 100
174 77.4 0.0 154.6
176 75.1 0.0 148.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.393 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

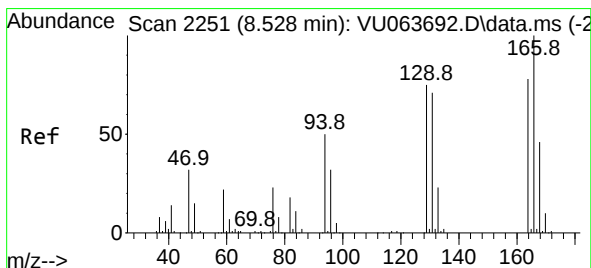
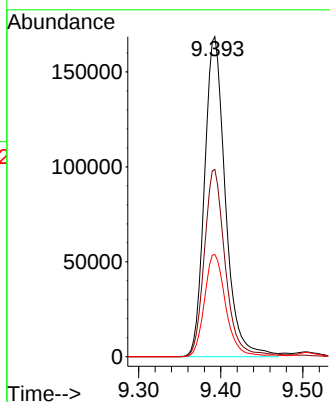
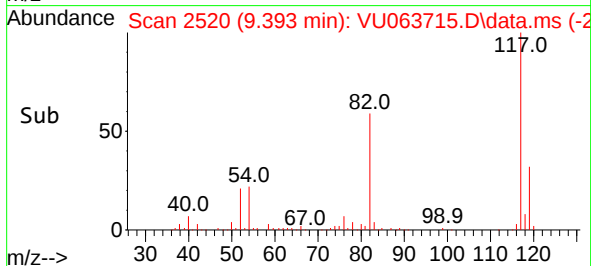
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:117 Resp: 297594
Ion Ratio Lower Upper
117 100
82 58.5 46.9 70.3
119 31.9 25.8 38.8

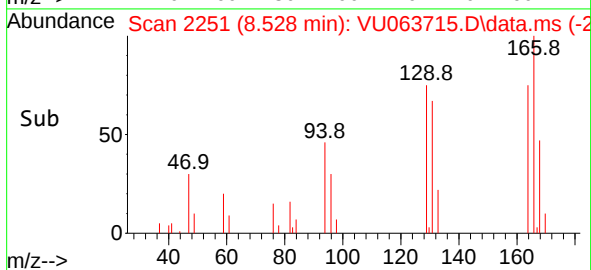
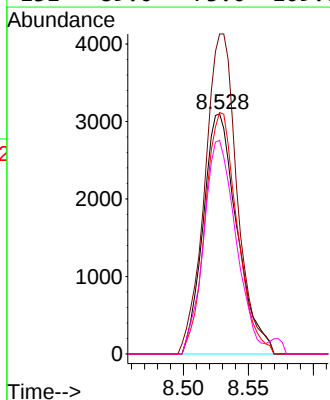
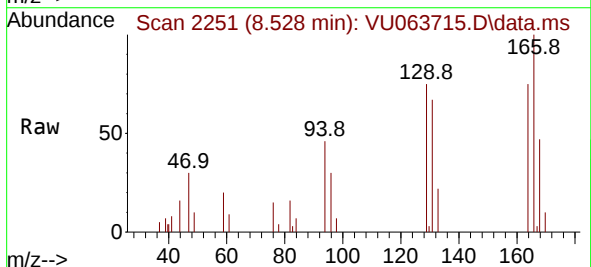
Manual Integrations
APPROVED

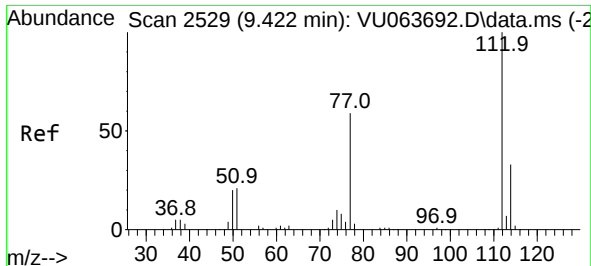
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#64
Tetrachloroethene
Concen: 2.918 ug/l
RT: 8.528 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion:164 Resp: 5602
Ion Ratio Lower Upper
164 100
166 133.2 102.5 153.7
129 100.5 77.1 115.7
131 89.0 73.0 109.6





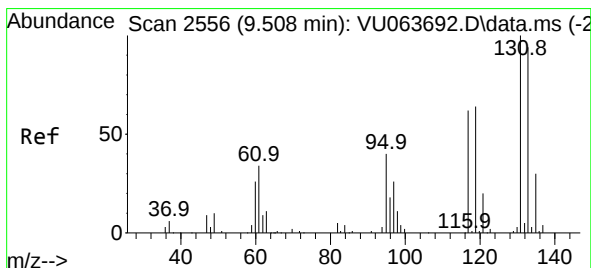
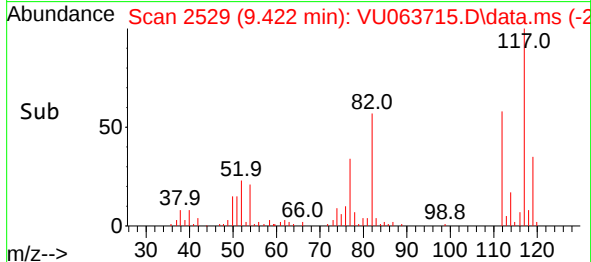
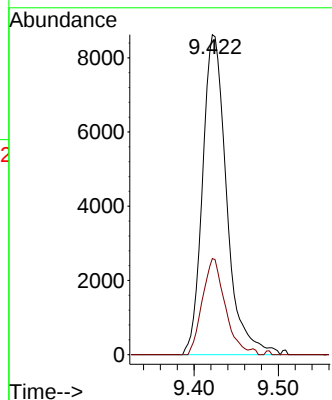
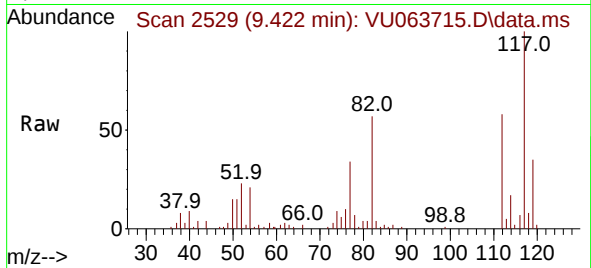
#65
Chlorobenzene
Concen: 2.948 ug/l
RT: 9.422 min Scan# 2529
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

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

Tgt Ion:112 Resp: 1714
Ion Ratio Lower Upper
112 100
114 30.0 26.2 39.2

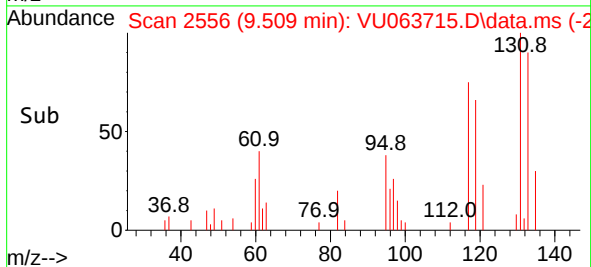
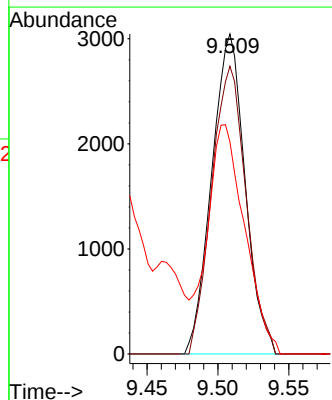
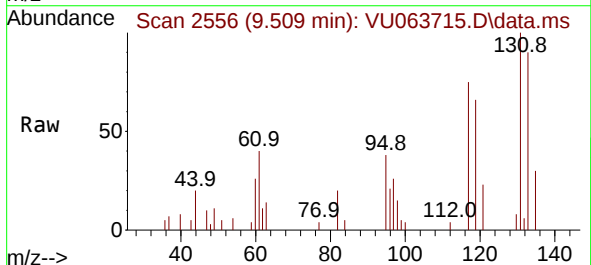
Manual Integrations
APPROVED

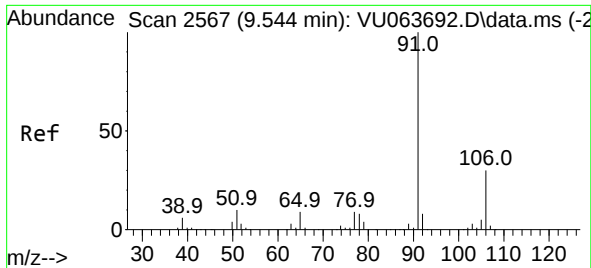
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 2.521 ug/l
RT: 9.509 min Scan# 2556
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion:131 Resp: 4987
Ion Ratio Lower Upper
131 100
133 92.9 47.5 142.5
119 80.5 33.3 99.8





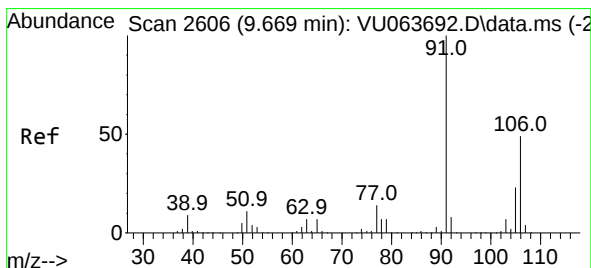
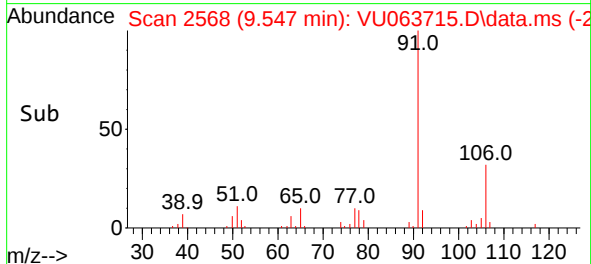
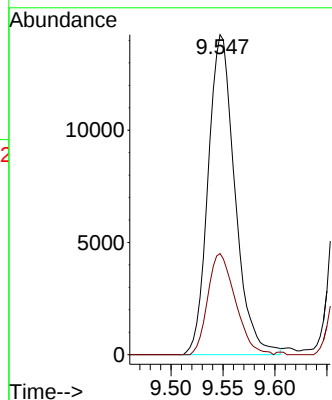
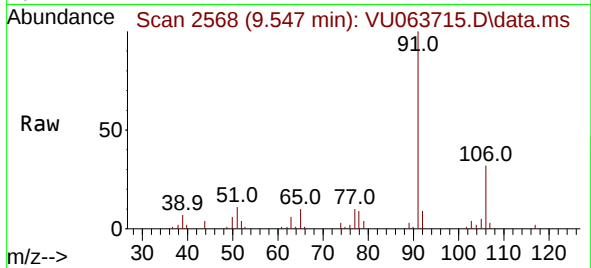
#67
Ethyl Benzene
Concen: 2.638 ug/l
RT: 9.547 min Scan# 2555
Delta R.T. 0.003 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

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

Tgt Ion: 91 Resp: 2555
Ion Ratio Lower Upper
91 100
106 31.6 23.8 35.8

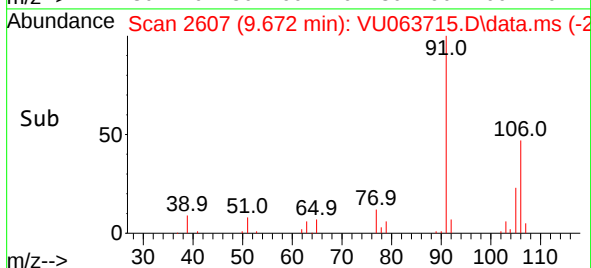
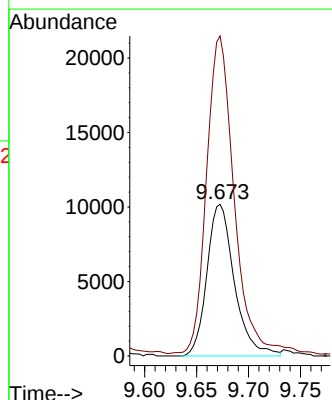
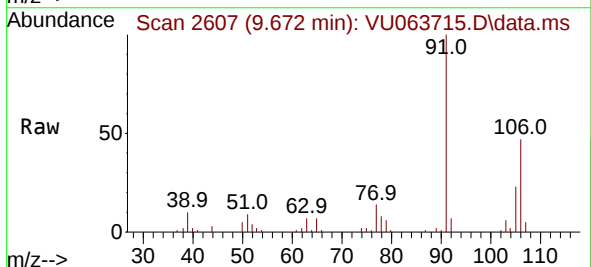
Manual Integrations
APPROVED

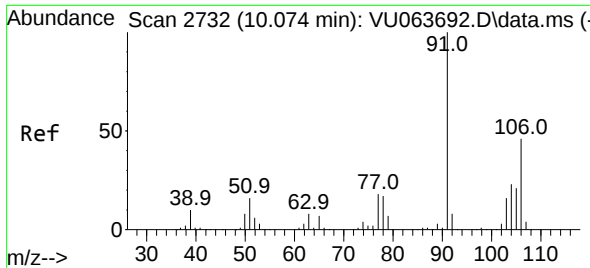
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#68
m/p-Xylenes
Concen: 5.229 ug/l
RT: 9.672 min Scan# 2607
Delta R.T. 0.003 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion:106 Resp: 18694
Ion Ratio Lower Upper
106 100
91 218.3 165.7 248.5





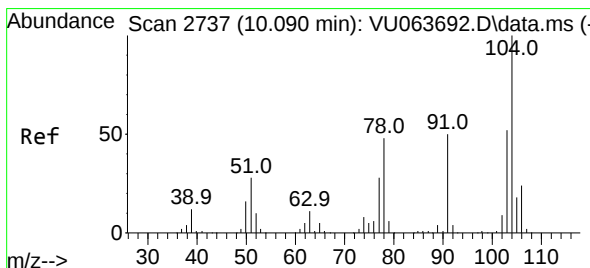
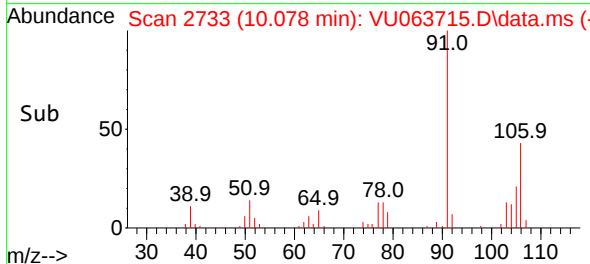
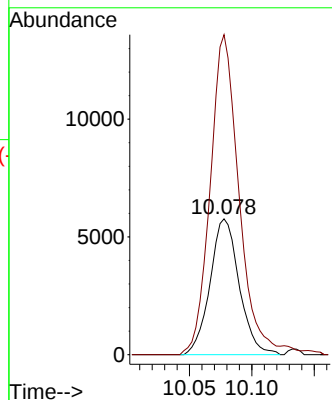
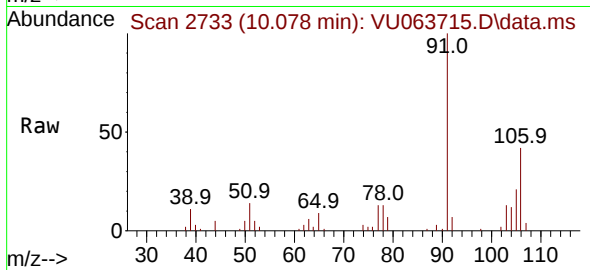
#69
o-Xylene
Concen: 2.546 ug/l
RT: 10.078 min Scan# 2732
Delta R.T. 0.003 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

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

Tgt Ion:106 Resp: 939
Ion Ratio Lower Upper
106 100
91 235.2 108.7 325.9

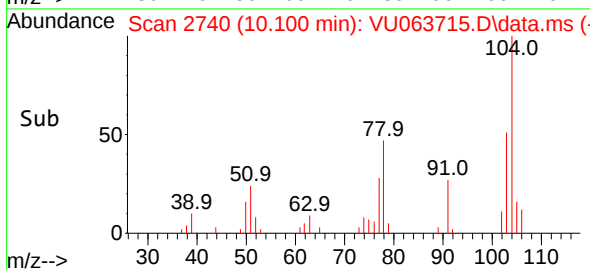
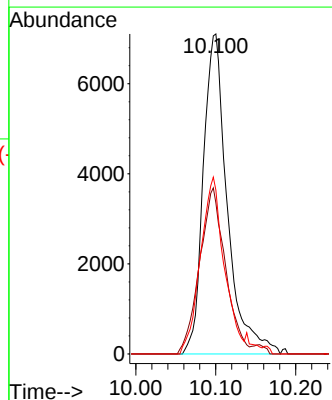
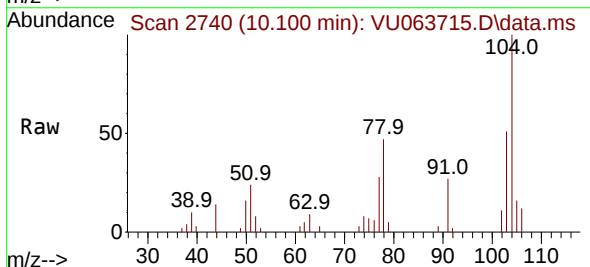
Manual Integrations
APPROVED

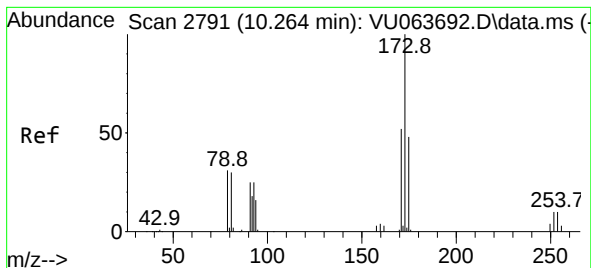
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#70
Styrene
Concen: 2.511 ug/l
RT: 10.100 min Scan# 2740
Delta R.T. 0.010 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion:104 Resp: 14879
Ion Ratio Lower Upper
104 100
78 55.7 42.7 64.1
103 54.6 44.0 66.0





#71

Bromoform

Concen: 2.329 ug/l

RT: 10.267 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

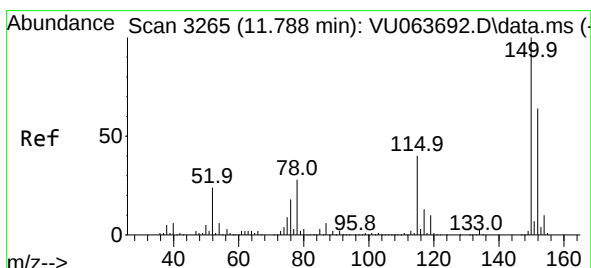
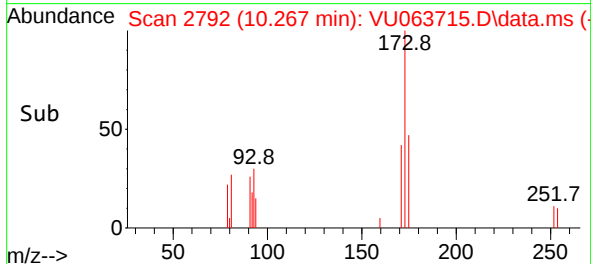
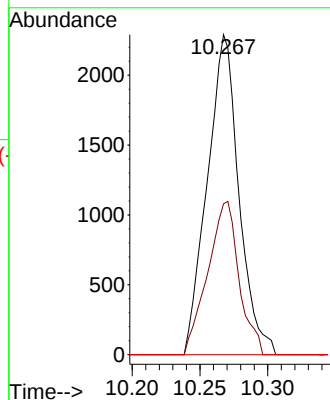
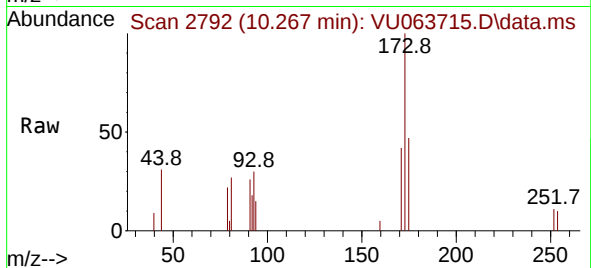
Tgt Ion:	173	Resp:	3709
Ion Ratio	Lower	Upper	
173	100		
175	47.4	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

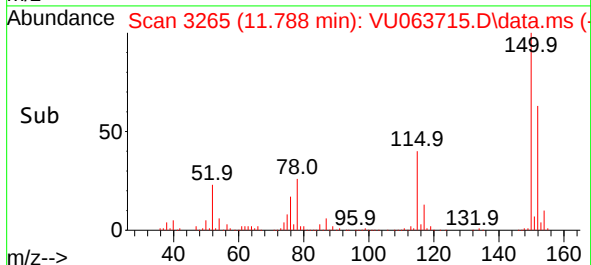
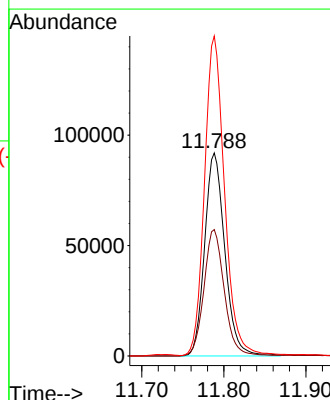
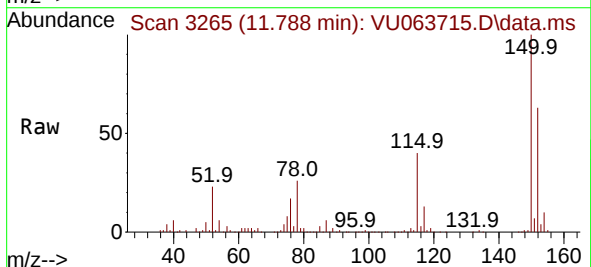
RT: 11.788 min Scan# 3265

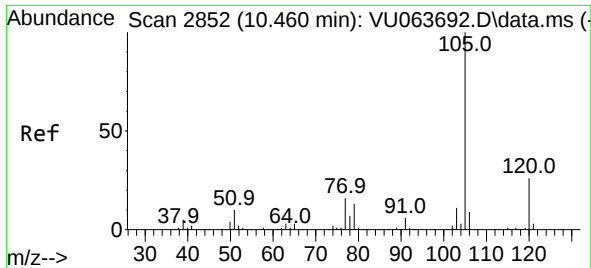
Delta R.T. 0.000 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Tgt Ion:	152	Resp:	157269
Ion Ratio	Lower	Upper	
152	100		
115	62.7	41.0	123.0
150	155.9	0.0	342.2





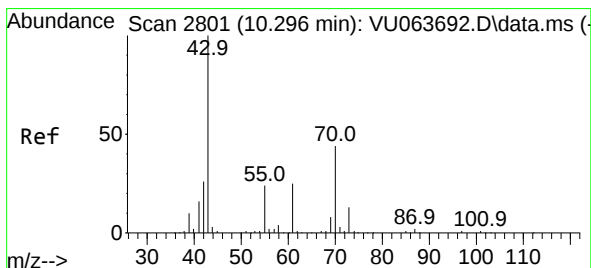
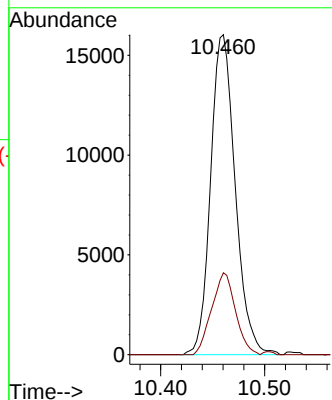
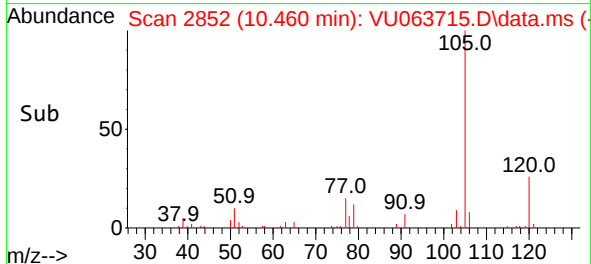
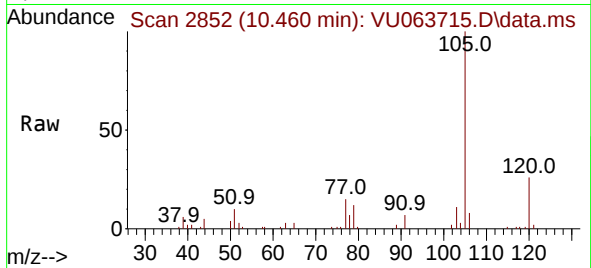
#73
Isopropylbenzene
Concen: 2.669 ug/l
RT: 10.460 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

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

Tgt Ion:105 Resp: 26370
Ion Ratio Lower Upper
105 100
120 24.8 13.0 38.9

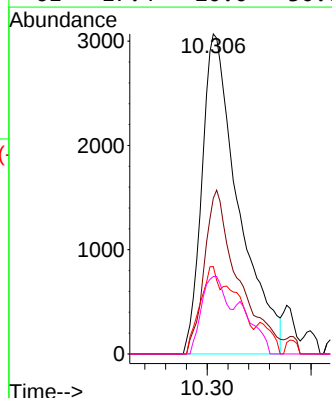
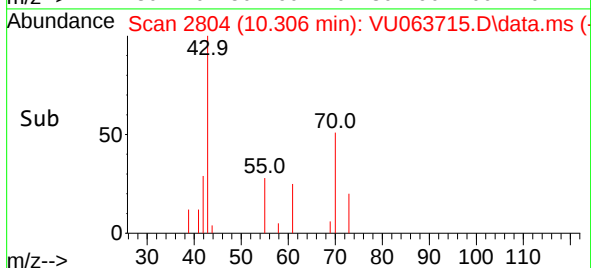
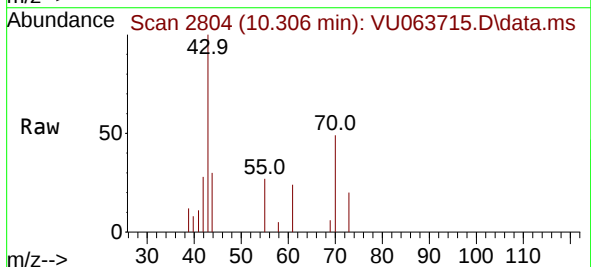
Manual Integrations
APPROVED

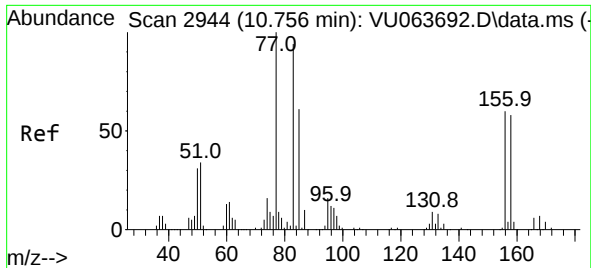
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#74
N-ethyl acetate
Concen: 2.164 ug/l
RT: 10.306 min Scan# 2804
Delta R.T. 0.010 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

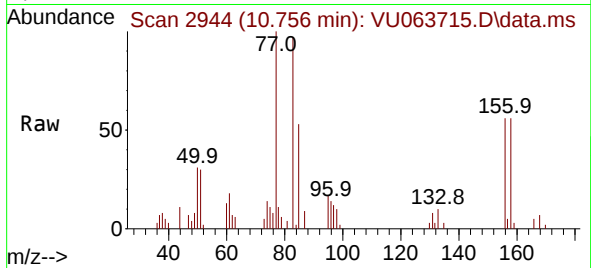
Tgt Ion: 43 Resp: 7450
Ion Ratio Lower Upper
43 100
70 47.9 36.5 54.7
55 27.2 20.6 30.8
61 17.4 20.0 30.0#





#75
1,1,2,2-Tetrachloroethane
Concen: 2.753 ug/l
RT: 10.756 min Scan# 2944
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

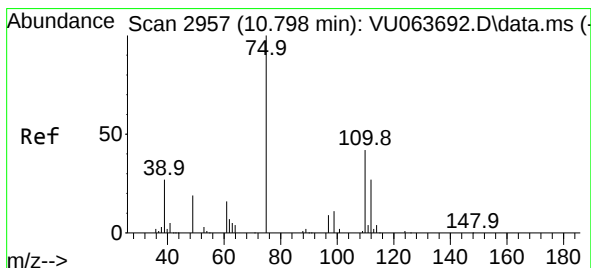
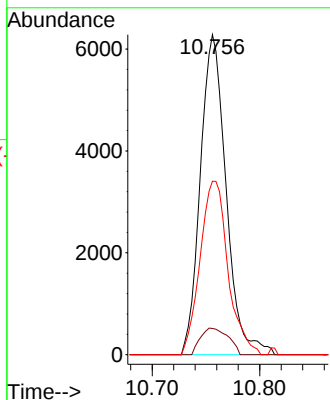
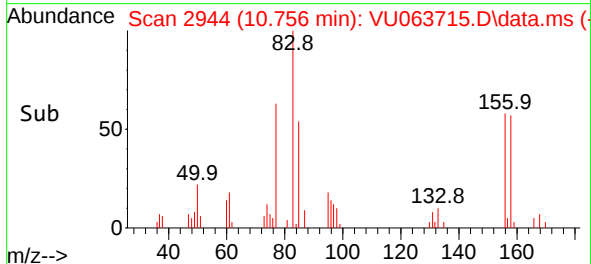
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 83 Resp: 1044
Ion Ratio Lower Upper
83 100
131 8.9 4.8 14.4
85 58.7 31.9 95.7

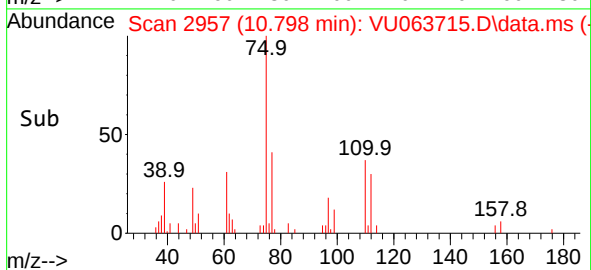
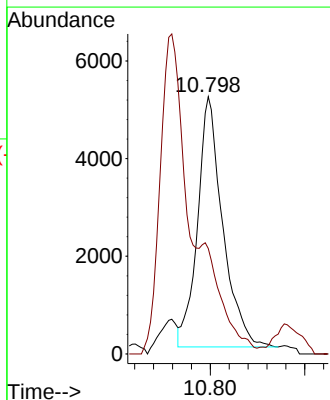
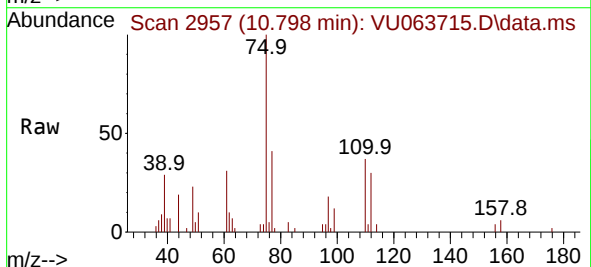
Manual Integrations
APPROVED

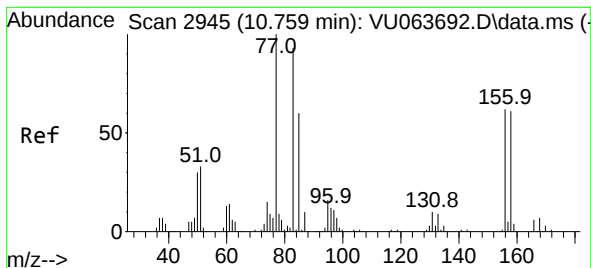
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#76
1,2,3-Trichloropropane
Concen: 2.388 ug/l
RT: 10.798 min Scan# 2957
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion: 75 Resp: 9463
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 2.878 ug/l

RT: 10.759 min Scan# 2945

Delta R.T. 0.000 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

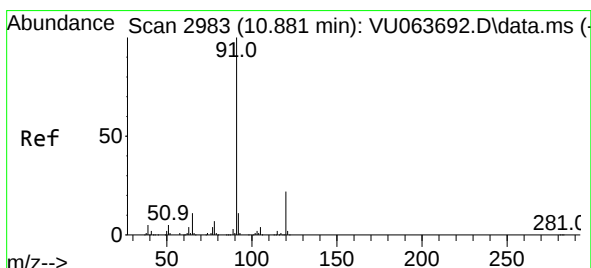
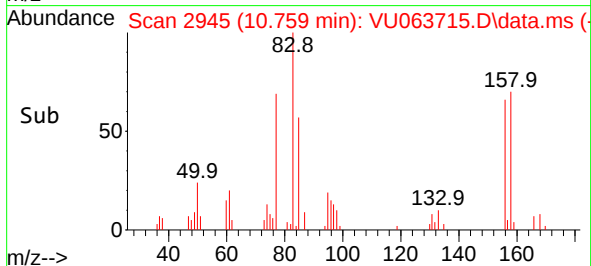
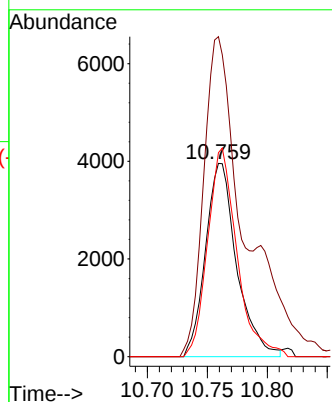
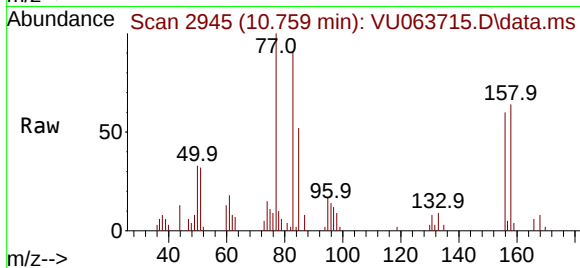
Tgt Ion:	156	Resp:	715
Ion Ratio	Lower	Upper	
156	100		
77	171.1	81.4	244.2
158	101.6	48.8	146.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#78

n-propylbenzene

Concen: 2.619 ug/l

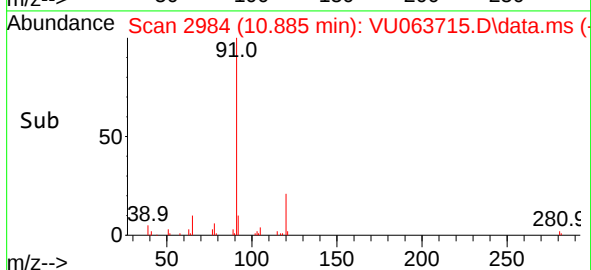
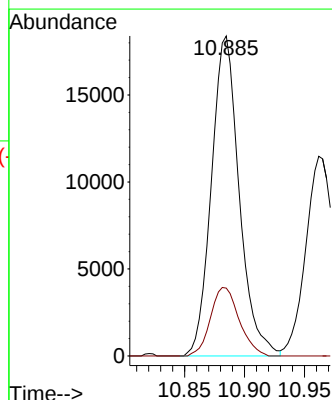
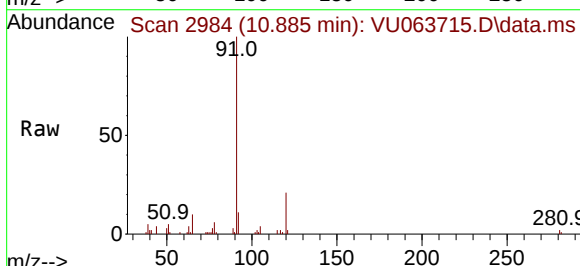
RT: 10.885 min Scan# 2984

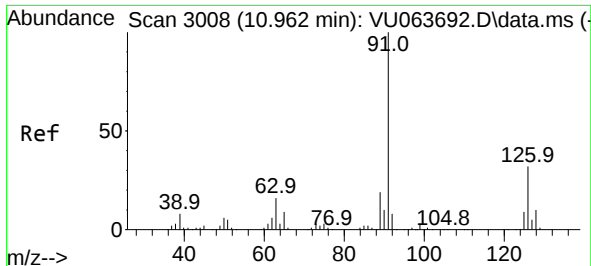
Delta R.T. 0.003 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Tgt Ion:	91	Resp:	29683
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.2	33.6





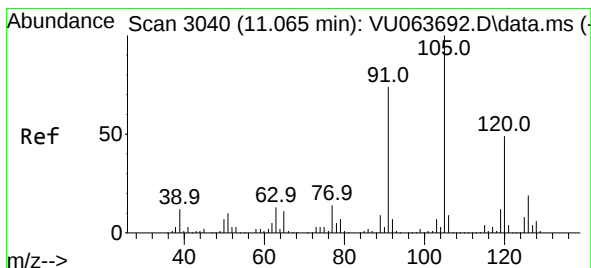
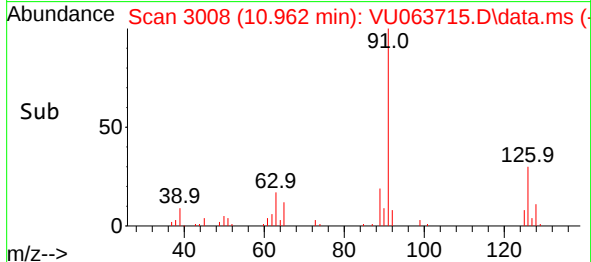
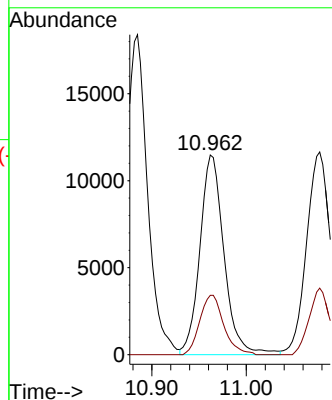
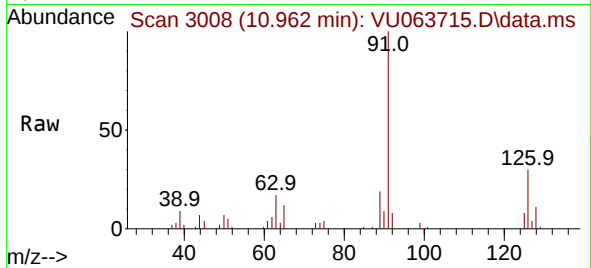
#79
2-Chlorotoluene
Concen: 2.783 ug/l
RT: 10.962 min Scan# 3008
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

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

Tgt Ion: 91 Resp: 2039
Ion Ratio Lower Upper
91 100
126 29.5 16.4 49.1

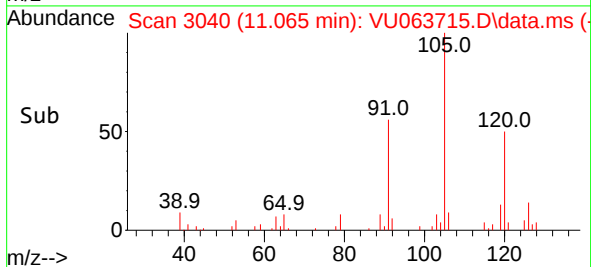
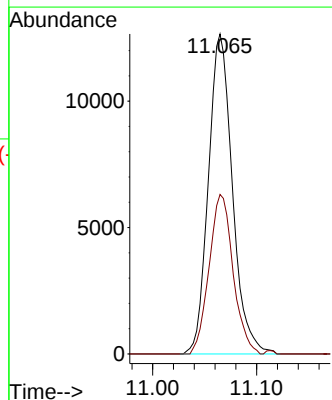
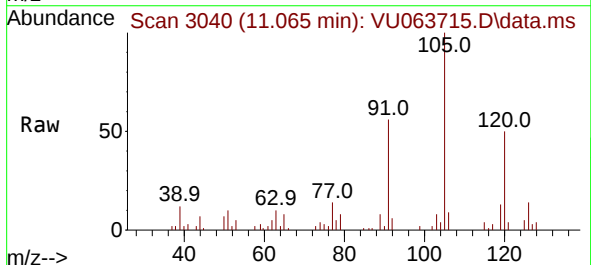
Manual Integrations
APPROVED

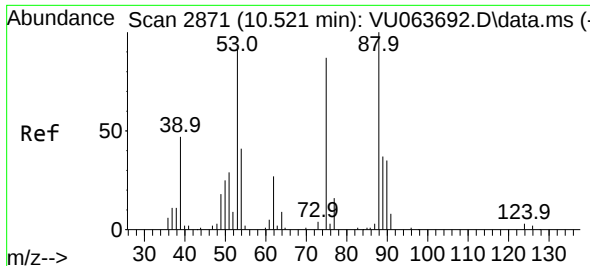
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#80
1,3,5-Trimethylbenzene
Concen: 2.450 ug/l
RT: 11.065 min Scan# 3040
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

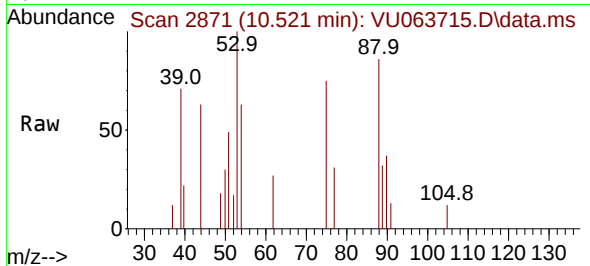
Tgt Ion:105 Resp: 20299
Ion Ratio Lower Upper
105 100
120 49.8 24.1 72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 1.760 ug/l m
RT: 10.521 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

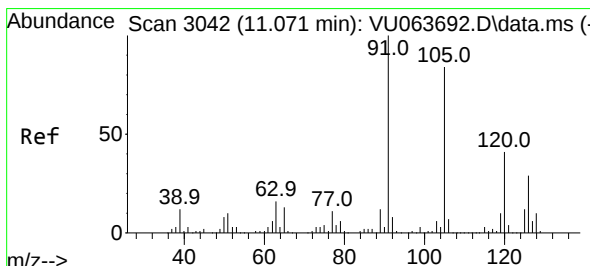
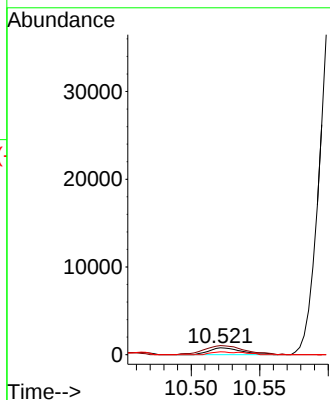
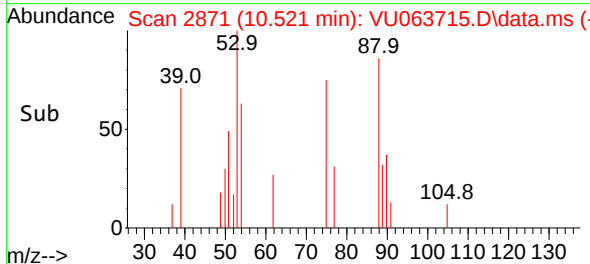
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



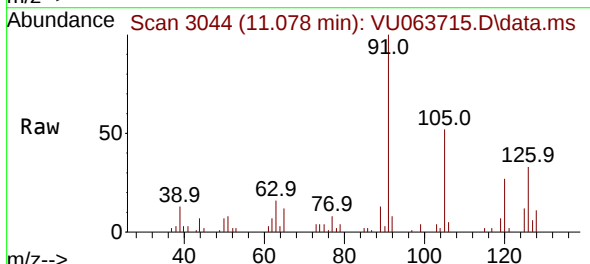
Tgt Ion: 75 Resp: 1309
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7
89 0.0 35.2 52.8

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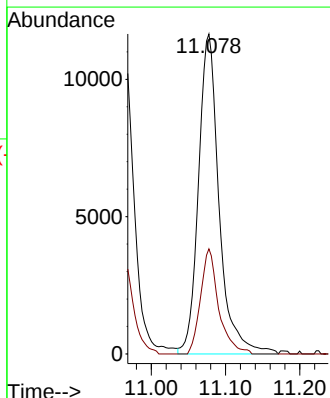
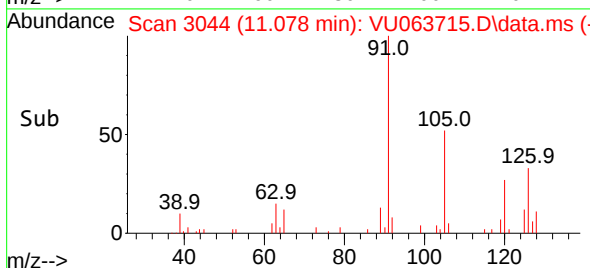
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

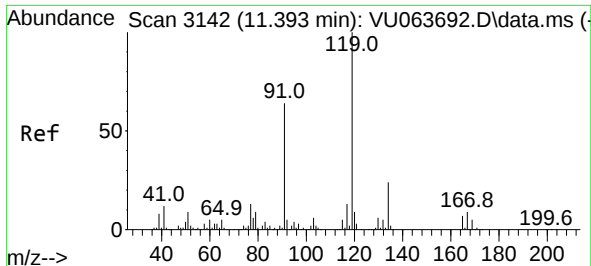


#82
4-Chlorotoluene
Concen: 2.702 ug/l
RT: 11.078 min Scan# 3044
Delta R.T. 0.006 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05



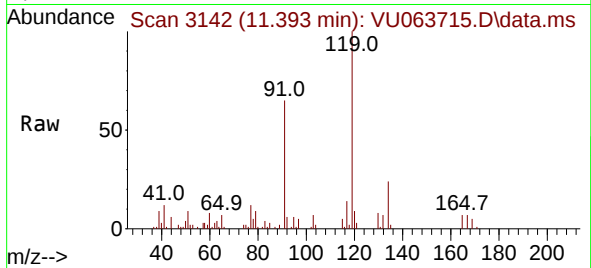
Tgt Ion: 91 Resp: 22496
Ion Ratio Lower Upper
91 100
126 28.8 14.2 42.8





#83
tert-Butylbenzene
Concen: 2.538 ug/l
RT: 11.393 min Scan# 3142
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

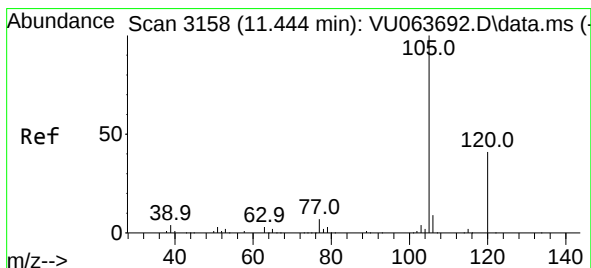
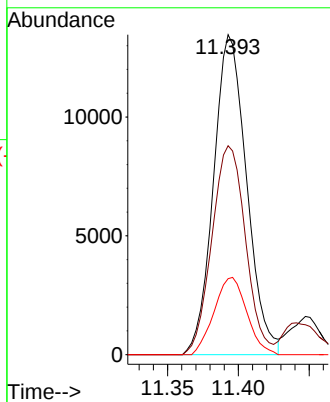
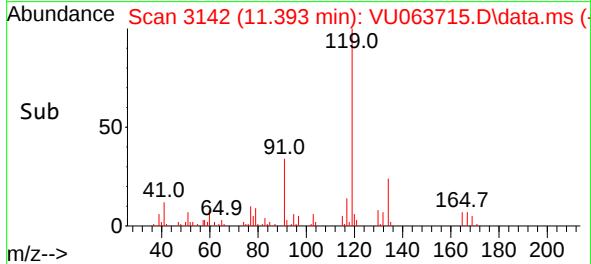
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:119 Resp: 21900
Ion Ratio Lower Upper
119 100
91 66.5 30.8 92.3
134 23.8 11.9 35.5

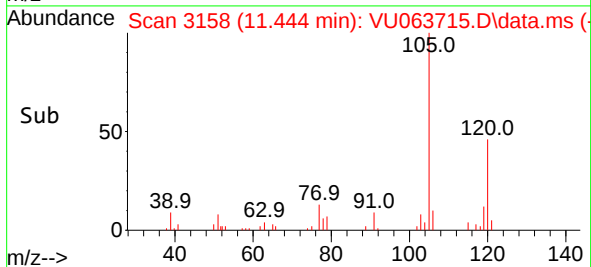
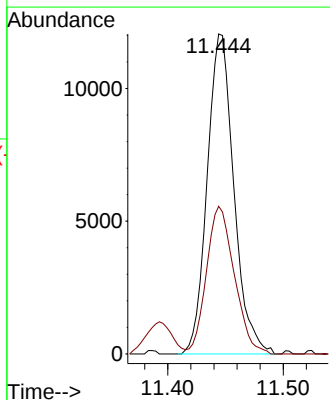
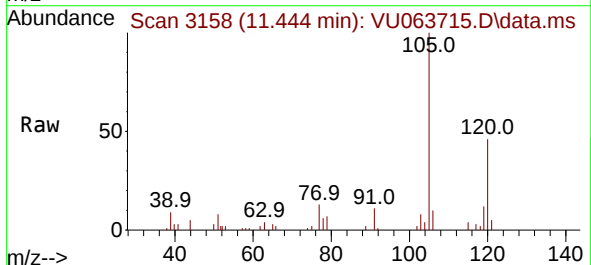
Manual Integrations
APPROVED

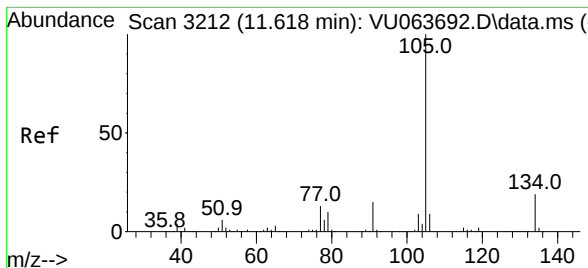
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#84
1,2,4-Trimethylbenzene
Concen: 2.379 ug/l
RT: 11.444 min Scan# 3158
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion:105 Resp: 19338
Ion Ratio Lower Upper
105 100
120 48.3 22.4 67.3





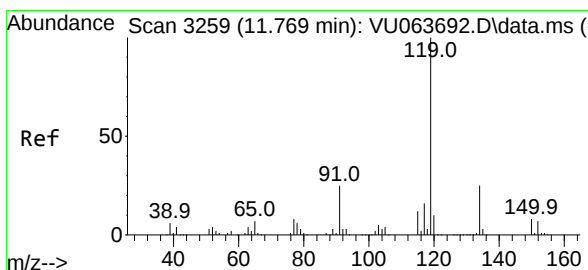
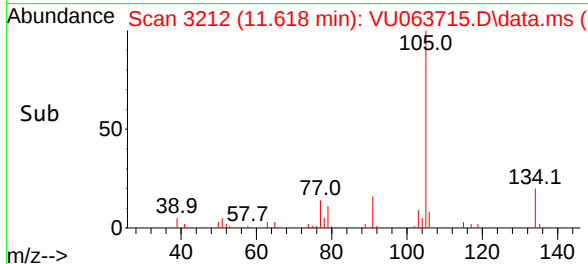
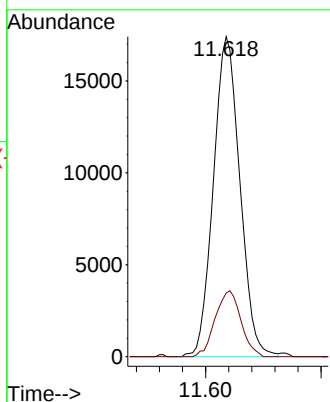
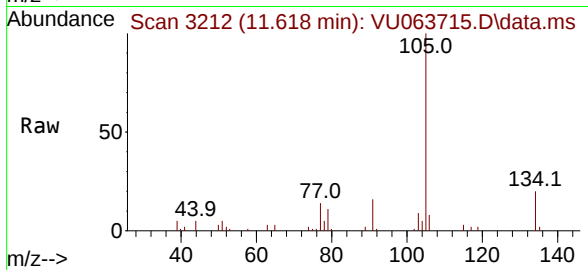
#85
 sec-Butylbenzene
 Concen: 2.543 ug/l
 RT: 11.618 min Scan# 3212
 Delta R.T. 0.000 min
 Lab File: VU063715.D
 Acq: 12 Nov 2025 13:05

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

Tgt Ion:105 Resp: 2772
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.8 29.4

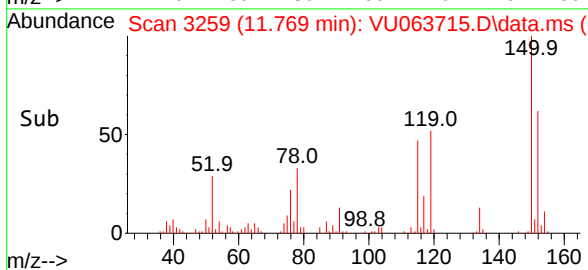
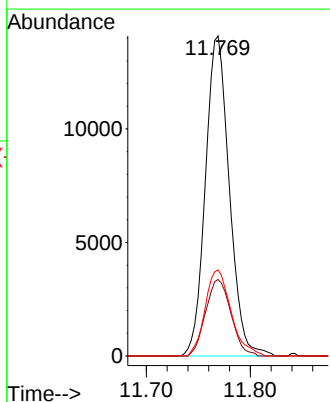
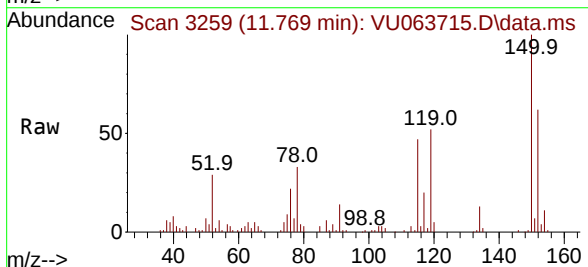
Manual Integrations
 APPROVED

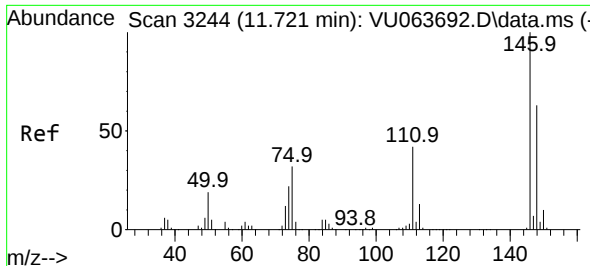
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#86
 p-Isopropyltoluene
 Concen: 2.573 ug/l
 RT: 11.769 min Scan# 3259
 Delta R.T. 0.000 min
 Lab File: VU063715.D
 Acq: 12 Nov 2025 13:05

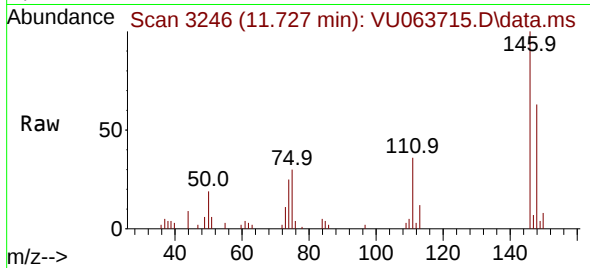
Tgt Ion:119 Resp: 22516
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.6 37.6
 91 29.1 12.6 37.8





#87
1,3-Dichlorobenzene
Concen: 2.914 ug/l
RT: 11.727 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

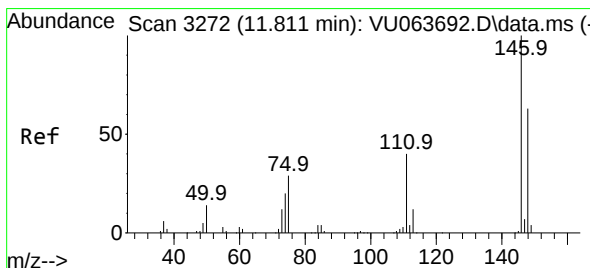
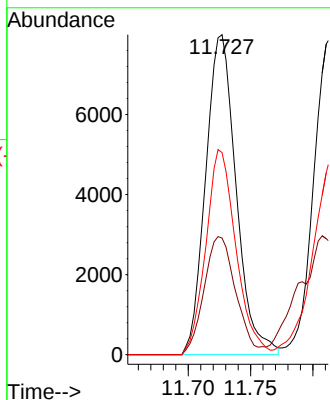
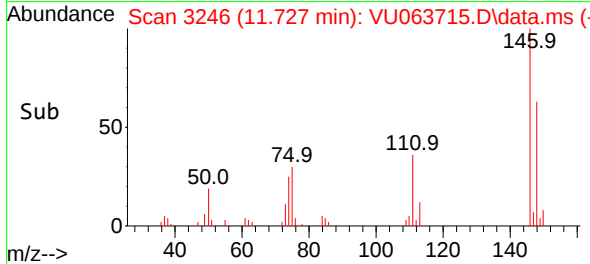
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



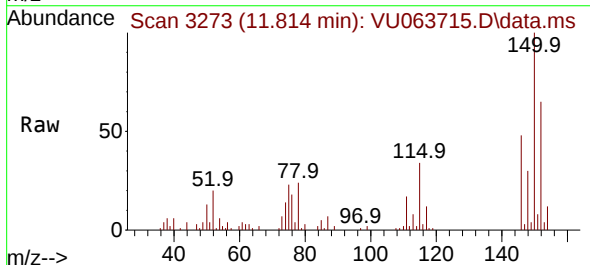
Tgt Ion:146 Resp: 13608
Ion Ratio Lower Upper
146 100
111 38.0 20.6 61.8
148 63.3 31.8 95.4

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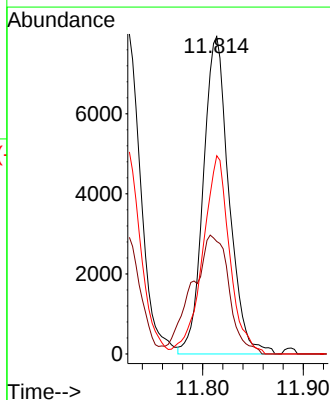
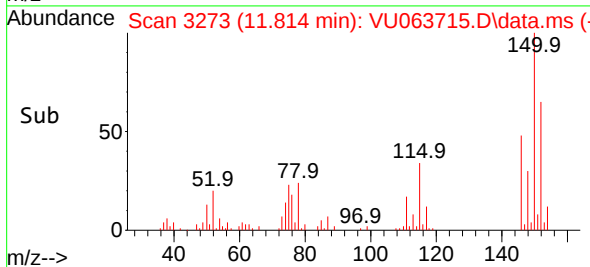
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

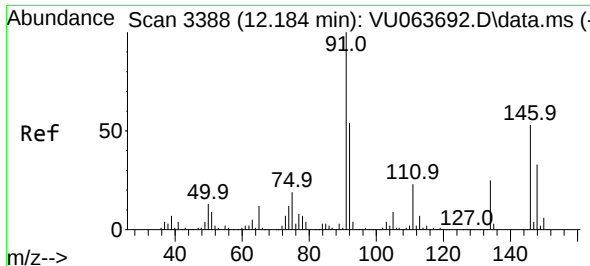


#88
1,4-Dichlorobenzene
Concen: 2.875 ug/l
RT: 11.814 min Scan# 3273
Delta R.T. 0.003 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05



Tgt Ion:146 Resp: 14050
Ion Ratio Lower Upper
146 100
111 54.1 20.4 61.3
148 65.8 31.4 94.3





#89

n-Butylbenzene

Concen: 2.663 ug/l

RT: 12.187 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 91 Resp: 2140

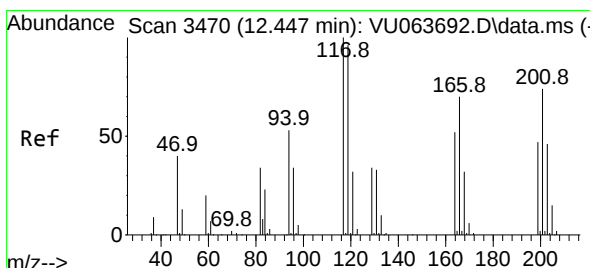
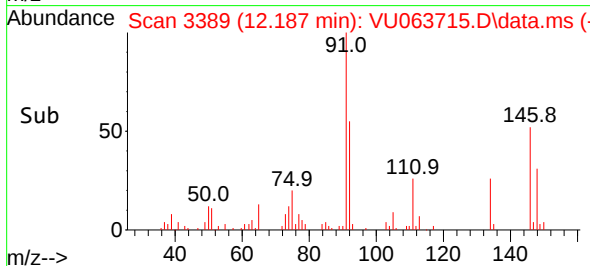
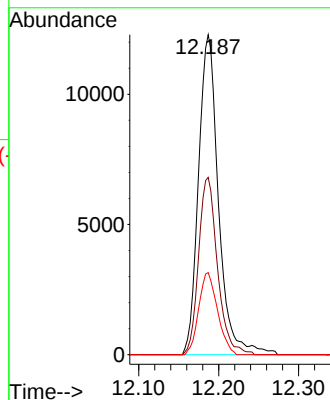
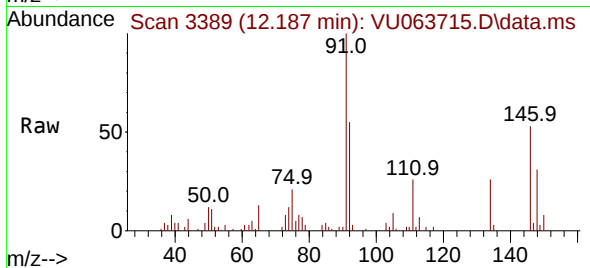
Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.0	81.0
134	24.1	12.4	37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#90

Hexachloroethane

Concen: 2.276 ug/l

RT: 12.447 min Scan# 3470

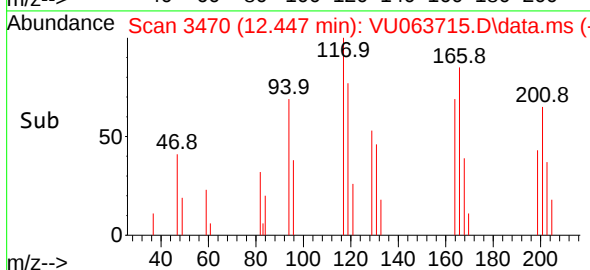
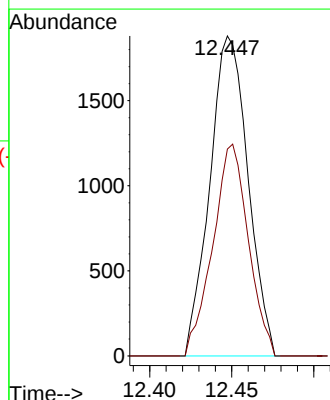
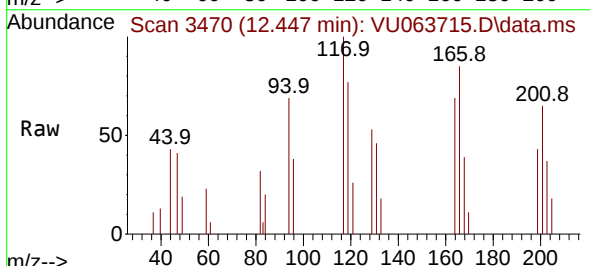
Delta R.T. 0.000 min

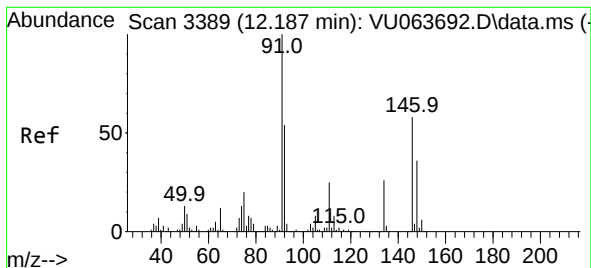
Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Tgt Ion:117 Resp: 3038

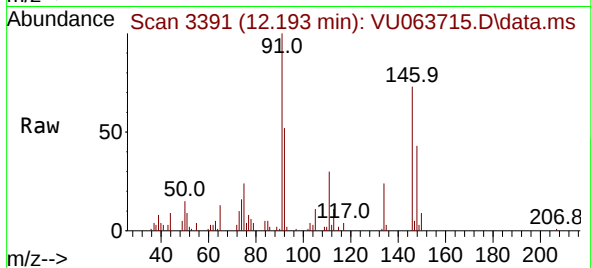
Ion	Ratio	Lower	Upper
117	100		
201	61.7	36.6	109.8





#91
1,2-Dichlorobenzene
Concen: 2.693 ug/l
RT: 12.193 min Scan# 3389
Delta R.T. 0.006 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

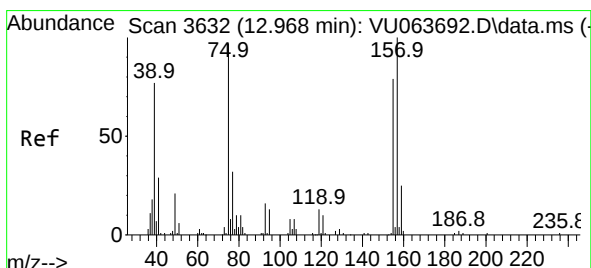
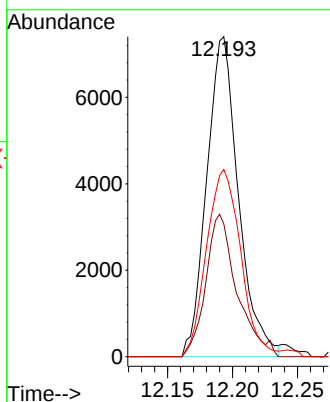
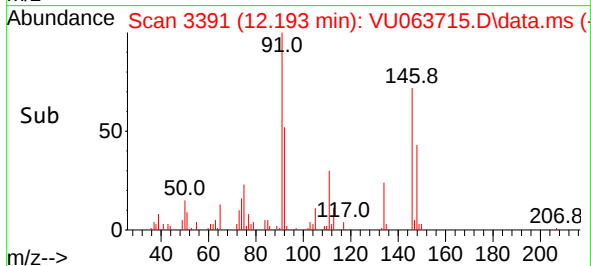
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:146 Resp: 1255
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.3
148 63.1 31.6 94.7

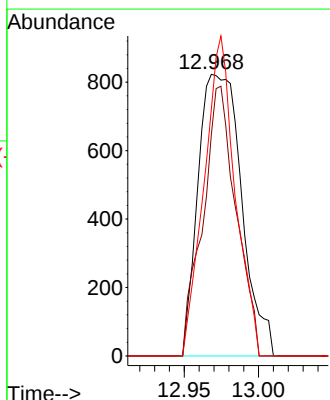
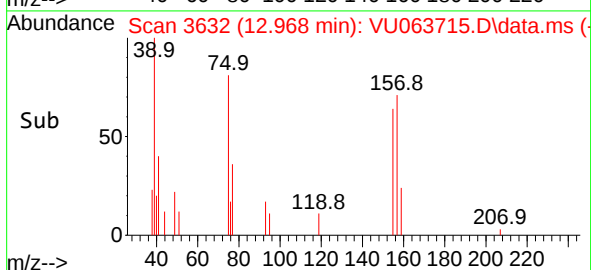
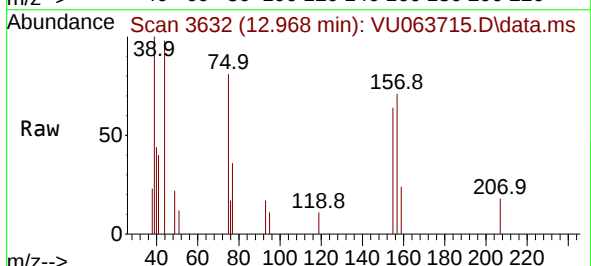
Manual Integrations
APPROVED

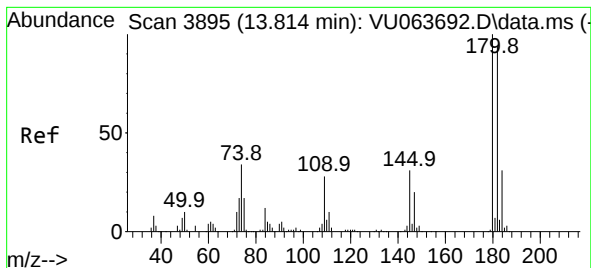
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.154 ug/l
RT: 12.968 min Scan# 3632
Delta R.T. 0.000 min
Lab File: VU063715.D
Acq: 12 Nov 2025 13:05

Tgt Ion: 75 Resp: 1675
Ion Ratio Lower Upper
75 100
155 73.3 40.5 121.4
157 81.3 50.4 151.3





#93

1,2,4-Trichlorobenzene

Concen: 2.603 ug/l

RT: 13.817 min Scan# 3895

Delta R.T. 0.003 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

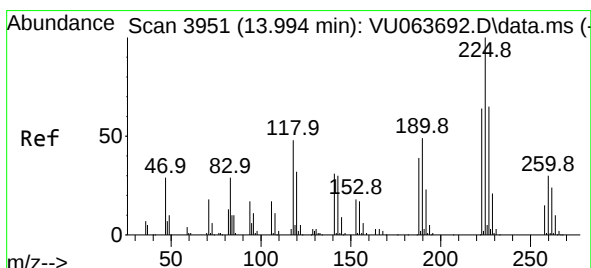
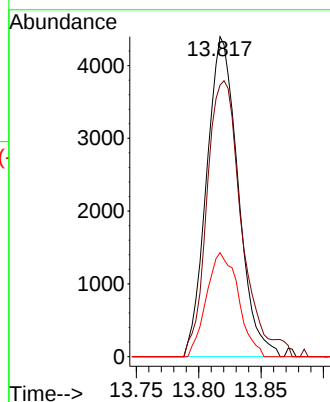
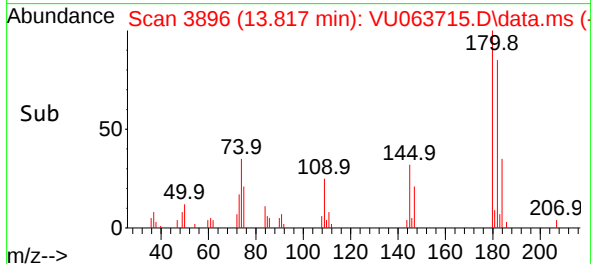
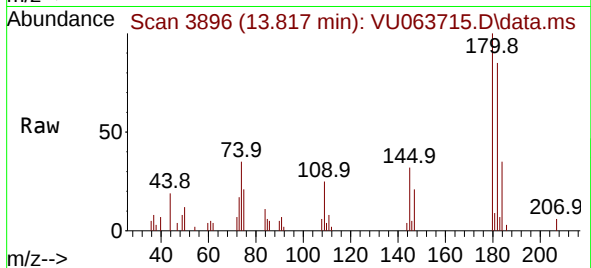
Tgt Ion:180	Resp:	7739
Ion Ratio	Lower	Upper
180	100	
182	94.5	47.6 142.9
145	32.9	15.9 47.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#94

Hexachlorobutadiene

Concen: 2.602 ug/l

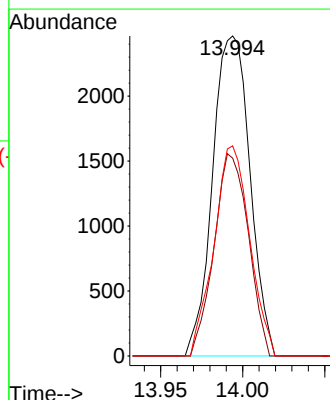
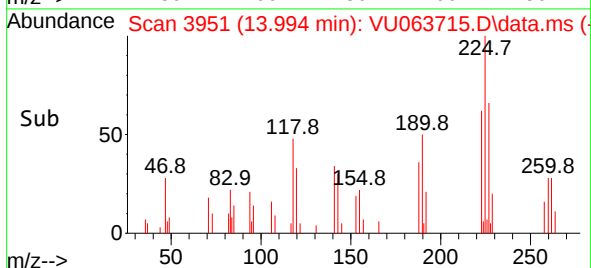
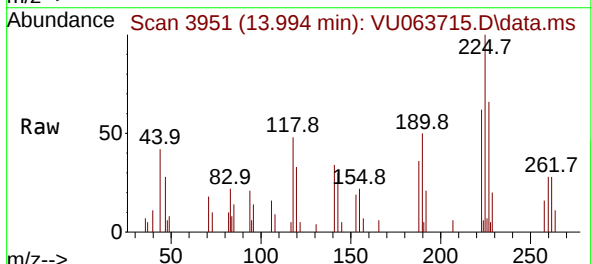
RT: 13.994 min Scan# 3951

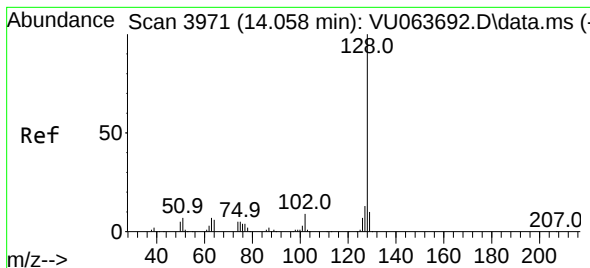
Delta R.T. 0.000 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Tgt Ion:225	Resp:	3898
Ion Ratio	Lower	Upper
225	100	
223	58.0	31.6 94.8
227	62.7	32.4 97.0





#95

Naphthalene

Concen: 2.892 ug/l

RT: 14.068 min Scan# 3971

Delta R.T. 0.010 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2025

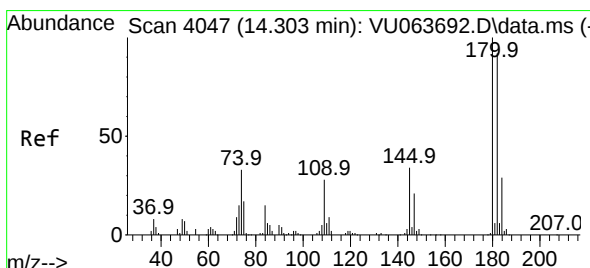
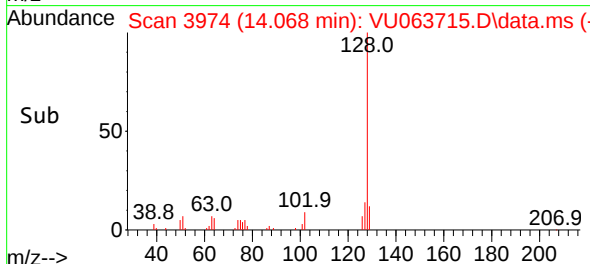
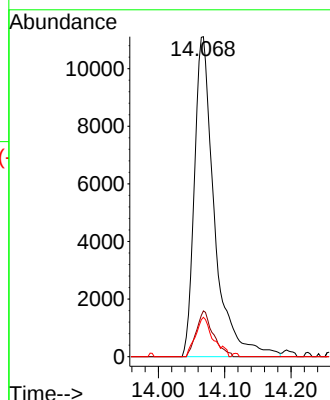
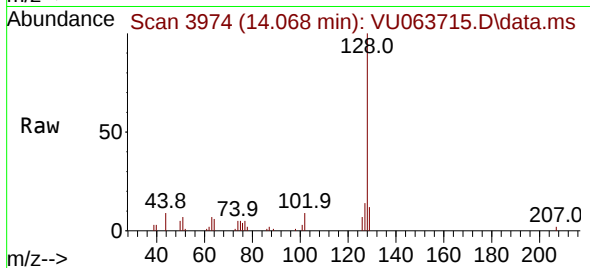
Tgt Ion:	128	Resp:	23289
Ion Ratio	Lower	Upper	
128	100		
127	12.1	9.9	14.9
129	10.7	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#96

1,2,3-Trichlorobenzene

Concen: 2.724 ug/l

RT: 14.306 min Scan# 4048

Delta R.T. 0.003 min

Lab File: VU063715.D

Acq: 12 Nov 2025 13:05

Tgt Ion:	180	Resp:	7530
Ion Ratio	Lower	Upper	
180	100		
182	92.1	47.3	142.0
145	34.5	16.6	49.7

