

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088411.D
 Acq On : 02 Dec 2025 16:03
 Operator : JC\MD
 Sample : Q3530-07 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025

Quant Time: Dec 03 03:49:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/03/2025
 Supervised By : Mahesh Dadoda 12/03/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	230830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.076	114	452048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	406965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	184221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	271225	62.374	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.740%			
35) Dibromofluoromethane	8.153	113	179548	57.315	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.620%			
50) Toluene-d8	10.541	98	645158	55.350	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.700%			
62) 4-Bromofluorobenzene	12.829	95	206977	51.752	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.148	85	9123	2.631	ug/l	86
3) Chloromethane	2.383	50	10844	2.912	ug/l	92
4) Vinyl Chloride	2.542	62	9918	2.618	ug/l	92
5) Bromomethane	2.983	94	4826	2.647	ug/l	87
6) Chloroethane	3.142	64	6489	2.768	ug/l	90
7) Trichlorofluoromethane	3.512	101	14789	2.778	ug/l	85
8) Diethyl Ether	3.965	74	5594	2.799	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.371	101	7850m	2.769	ug/l	
10) Methyl Iodide	4.589	142	5063	1.804	ug/l #	87
11) Tert butyl alcohol	5.518	59	9053	13.040	ug/l #	90
12) 1,1-Dichloroethene	4.336	96	8245	2.928	ug/l #	75
13) Acrolein	4.183	56	8405	12.646	ug/l	92
14) Allyl chloride	5.018	41	13283	2.545	ug/l	98
15) Acrylonitrile	5.712	53	28345	14.151	ug/l	99
16) Acetone	4.430	43	36148	22.986	ug/l #	87
17) Carbon Disulfide	4.712	76	26293	2.857	ug/l #	94
18) Methyl Acetate	5.012	43	13172	2.814	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	28534	2.704	ug/l	99
20) Methylene Chloride	5.259	84	11004	3.271	ug/l	87
21) trans-1,2-Dichloroethene	5.777	96	9367	3.003	ug/l #	76
22) Diisopropyl ether	6.653	45	30288	2.718	ug/l #	82
23) Vinyl Acetate	6.594	43	118675	13.218	ug/l	98
24) 1,1-Dichloroethane	6.553	63	18830	2.984	ug/l	98
25) 2-Butanone	7.471	43	39276	15.536	ug/l	96
26) 2,2-Dichloropropane	7.477	77	14890	2.734	ug/l	96
27) cis-1,2-Dichloroethene	7.471	96	9345	2.578	ug/l	84
28) Bromochloromethane	7.794	49	8904	2.832	ug/l #	99
29) Tetrahydrofuran	7.835	42	22214	12.250	ug/l	98
30) Chloroform	7.953	83	18531	2.988	ug/l	99
31) Cyclohexane	8.235	56	13336m	2.332	ug/l	
32) 1,1,1-Trichloroethane	8.147	97	16597	3.044	ug/l #	86
36) 1,1-Dichloropropene	8.347	75	11702	2.420	ug/l	99
37) Ethyl Acetate	7.553	43	17342	2.728	ug/l	98
38) Carbon Tetrachloride	8.341	117	12633	2.625	ug/l	82
39) Methylcyclohexane	9.582	83	11468	2.218	ug/l	95
40) Benzene	8.582	78	37656	2.654	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	7957	2.527	ug/l	96
42) 1,2-Dichloroethane	8.653	62	15535	2.870	ug/l	96
43) Isopropyl Acetate	8.677	43	23581	2.428	ug/l	97
44) Trichloroethene	9.335	130	8899	2.654	ug/l	79
45) 1,2-Dichloropropane	9.600	63	10975	3.019	ug/l	97
46) Dibromomethane	9.688	93	7114	2.742	ug/l	95
47) Bromodichloromethane	9.871	83	14414	2.723	ug/l #	87
48) Methyl methacrylate	9.659	41	9924	2.239	ug/l	90
49) 1,4-Dioxane	9.676	88	1886	33.464	ug/l #	56
51) 4-Methyl-2-Pentanone	10.423	43	72508	12.665	ug/l	95
52) Toluene	10.606	92	22970	2.803	ug/l	95
53) t-1,3-Dichloropropene	10.812	75	13836	2.546	ug/l #	86
54) cis-1,3-Dichloropropene	10.288	75	14207	2.486	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	8414	2.654	ug/l #	87
56) Ethyl methacrylate	10.859	69	11160	2.229	ug/l #	89
57) 1,3-Dichloropropane	11.141	76	16020	2.801	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.141	63	28971	10.035	ug/l	98
59) 2-Hexanone	11.188	43	47090m	13.057	ug/l	
60) Dibromochloromethane	11.329	129	10090	2.792	ug/l	95
61) 1,2-Dibromoethane	11.447	107	8711	2.714	ug/l	100
64) Tetrachloroethene	11.076	164	7457	2.311	ug/l	94
65) Chlorobenzene	11.870	112	25080	2.744	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	8587	2.785	ug/l	93
67) Ethyl Benzene	11.941	91	39326	2.461	ug/l	99
68) m/p-Xylenes	12.047	106	25788	4.353	ug/l	91
69) o-Xylene	12.376	106	13017	2.305	ug/l	99
70) Styrene	12.394	104	20082	2.190	ug/l	98
71) Bromoform	12.559	173	6208	2.749	ug/l #	99
73) Isopropylbenzene	12.670	105	29860	2.192	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.917	83	13118	2.979	ug/l	96
76) 1,2,3-Trichloropropane	12.970	75	11279m	2.614	ug/l	
77) Bromobenzene	12.959	156	8508	2.730	ug/l	93
78) n-propylbenzene	13.012	91	41317	2.479	ug/l	98
79) 2-Chlorotoluene	13.106	91	24469	2.405	ug/l	94
80) 1,3,5-Trimethylbenzene	13.153	105	27016	2.394	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	3205m	2.107	ug/l	
82) 4-Chlorotoluene	13.200	91	25728	2.546	ug/l	96
83) tert-Butylbenzene	13.417	119	23152	2.413	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	25163	2.243	ug/l	96
85) sec-Butylbenzene	13.594	105	30865	2.239	ug/l	98
86) p-Isopropyltoluene	13.706	119	25026	2.214	ug/l	99
87) 1,3-Dichlorobenzene	13.717	146	15833	2.610	ug/l	97
88) 1,4-Dichlorobenzene	13.788	146	18199	2.864	ug/l	85
89) n-Butylbenzene	14.035	91	24989	2.277	ug/l	97
90) Hexachloroethane	14.306	117	5857	2.837	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	16226	2.842	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.706	75	3151	2.949	ug/l	88
93) 1,2,4-Trichlorobenzene	15.364	180	8615	2.540	ug/l	97
94) Hexachlorobutadiene	15.476	225	3316	2.720	ug/l	99
95) Naphthalene	15.617	128	24162	2.056	ug/l	98
96) 1,2,3-Trichlorobenzene	15.817	180	8846	2.680	ug/l	97

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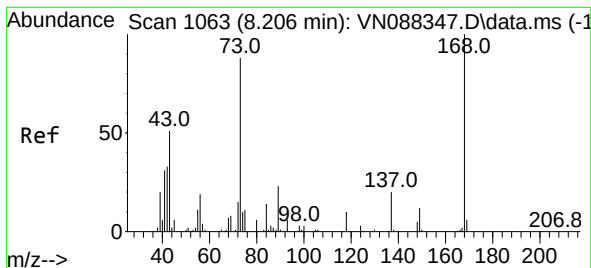
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Manual Integrations

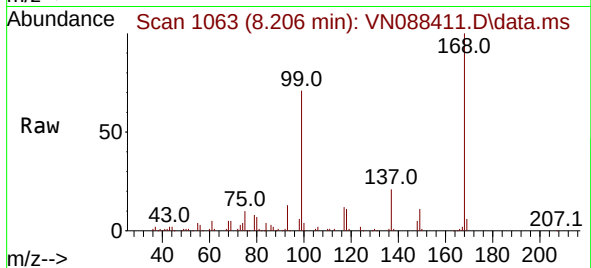
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088411.D
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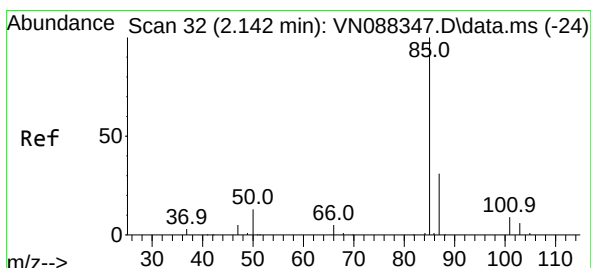
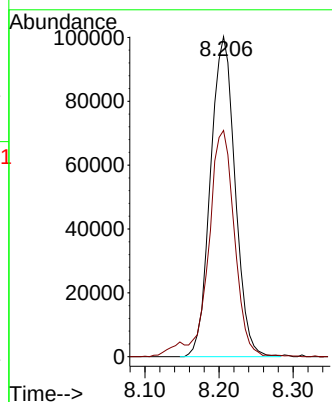
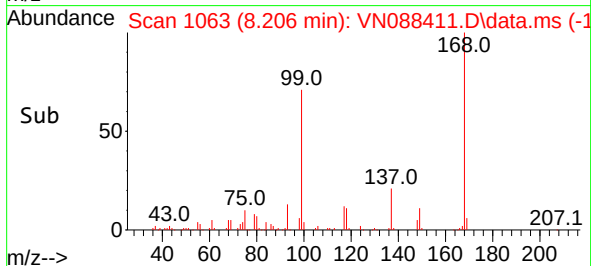
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion:168 Resp: 230830
Ion Ratio Lower Upper
168 100
99 70.3 57.1 85.7

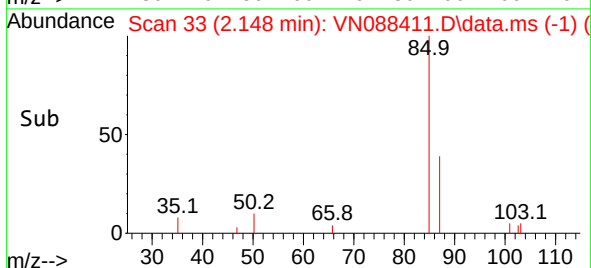
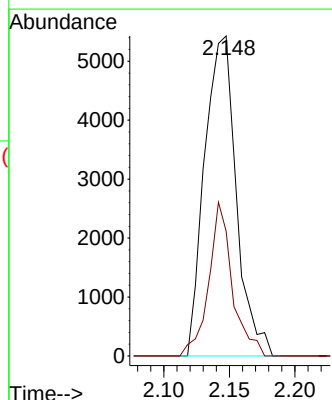
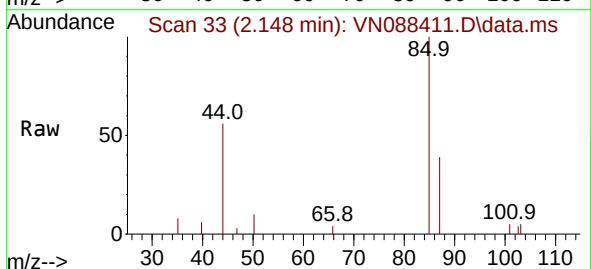
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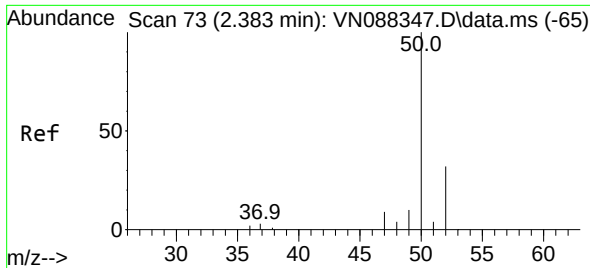
Reviewed By :John Carlone 12/03/2025
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#2
Dichlorodifluoromethane
Concen: 2.631 ug/l
RT: 2.148 min Scan# 33
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Tgt Ion: 85 Resp: 9123
Ion Ratio Lower Upper
85 100
87 39.0 15.6 46.7





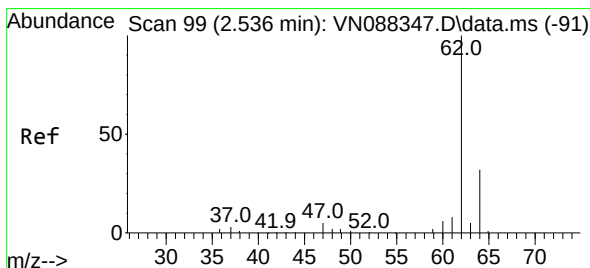
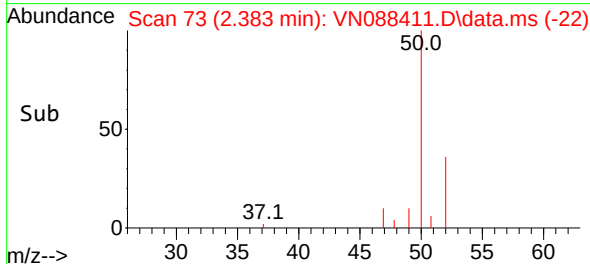
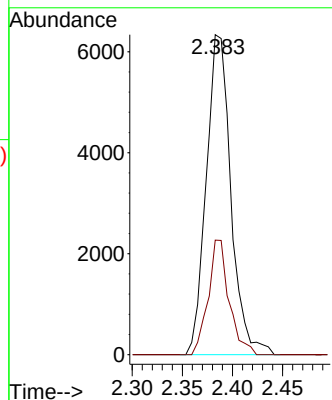
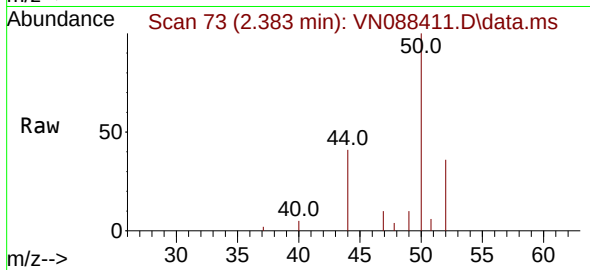
#3
Chloromethane
Concen: 2.912 ug/l
RT: 2.383 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

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Tgt Ion: 50 Resp: 1084
Ion Ratio Lower Upper
50 100
52 35.8 25.2 37.8

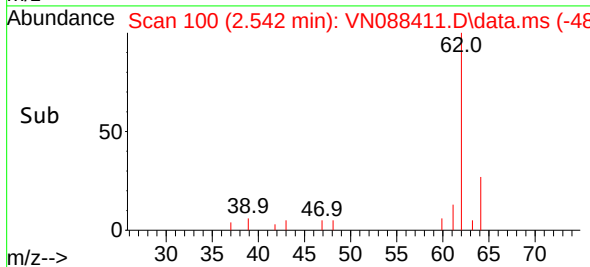
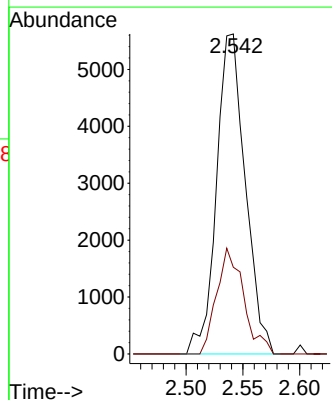
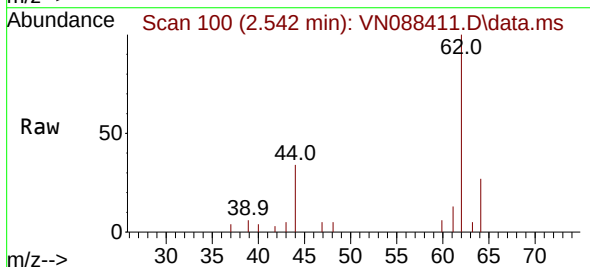
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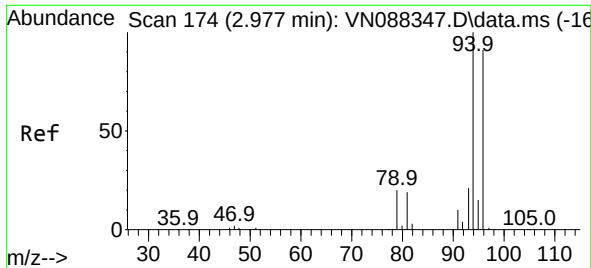
Reviewed By :John Carlone 12/03/2025
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#4
Vinyl Chloride
Concen: 2.618 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

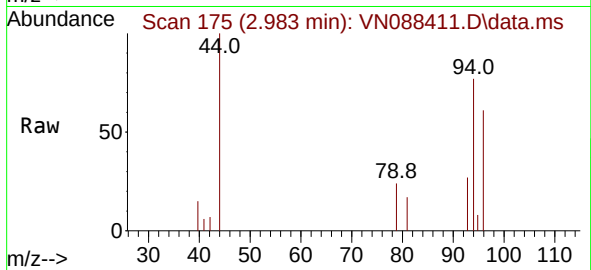
Tgt Ion: 62 Resp: 9918
Ion Ratio Lower Upper
62 100
64 27.1 25.4 38.2





#5
Bromomethane
Concen: 2.647 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

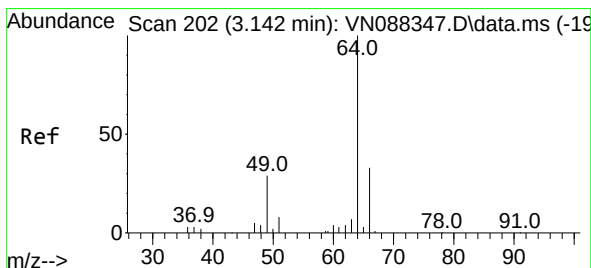
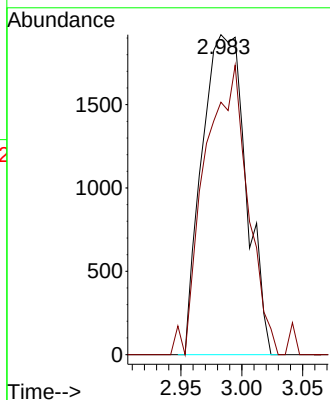
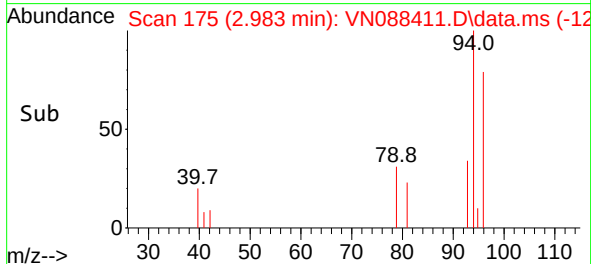
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



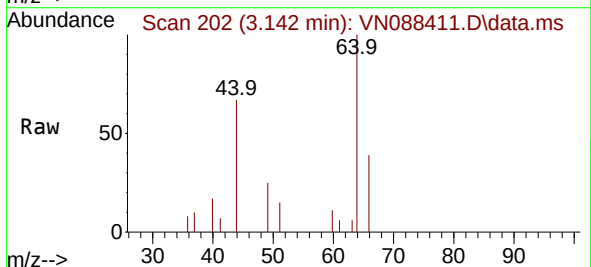
Tgt Ion: 94 Resp: 4820
Ion Ratio Lower Upper
94 100
96 78.9 73.2 109.8

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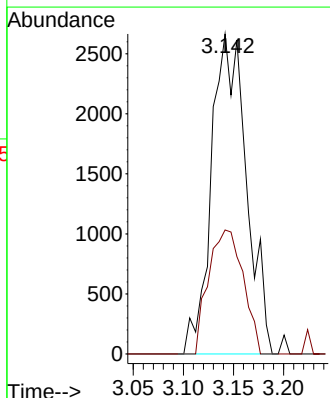
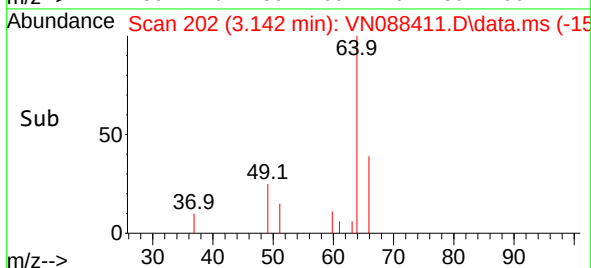
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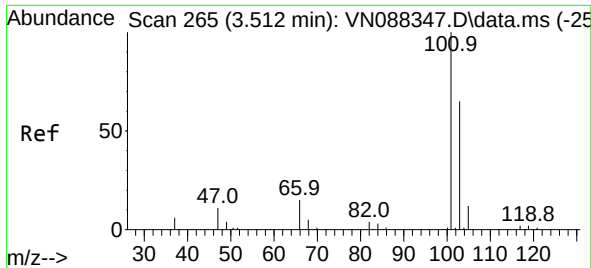


#6
Chloroethane
Concen: 2.768 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.000 min
Lab File: VN088411.D
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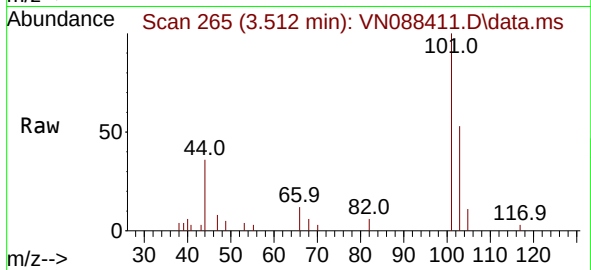
Tgt Ion: 64 Resp: 6489
Ion Ratio Lower Upper
64 100
66 38.8 26.4 39.6





#7
 Trichlorofluoromethane
 Concen: 2.778 ug/l
 RT: 3.512 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN088411.D
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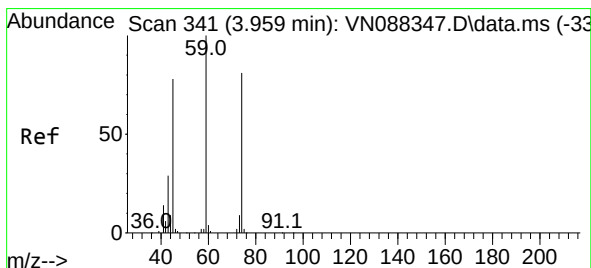
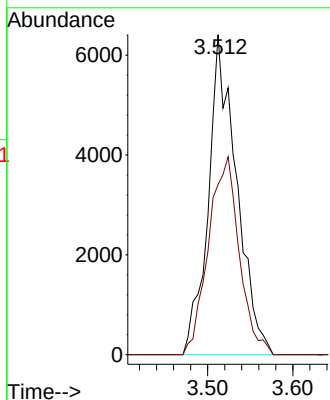
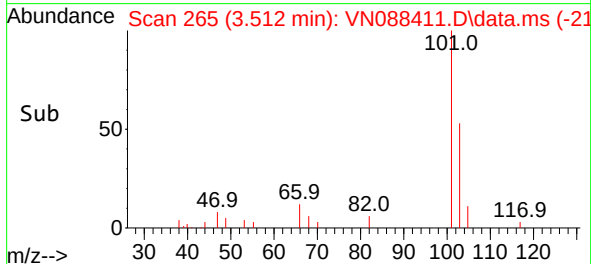
Instrument :
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 LOD-MDL-WATER-01-QT4-2025



Tgt Ion:101 Resp: 14789
 Ion Ratio Lower Upper
 101 100
 103 53.2 52.3 78.5

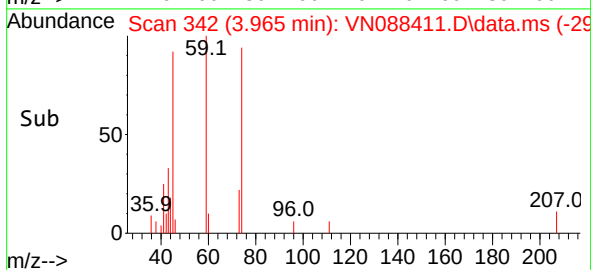
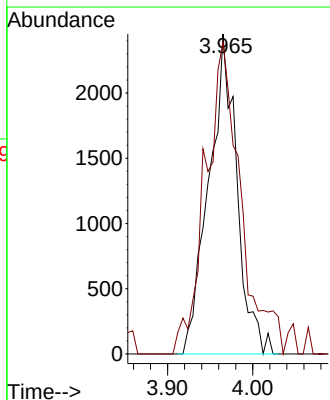
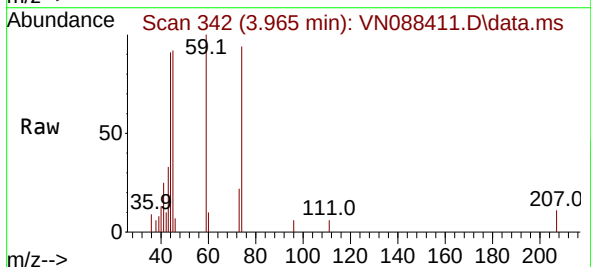
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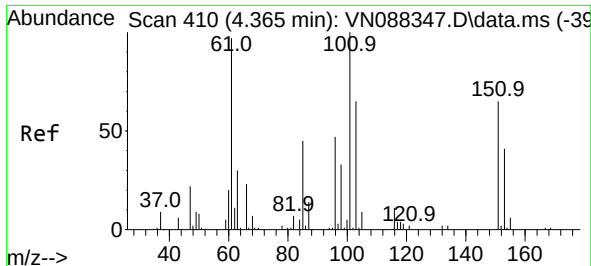
Reviewed By :John Carlone 12/03/2025
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#8
 Diethyl Ether
 Concen: 2.799 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.006 min
 Lab File: VN088411.D
 Acq: 02 Dec 2025 16:03

Tgt Ion: 74 Resp: 5594
 Ion Ratio Lower Upper
 74 100
 45 122.5 54.2 162.6





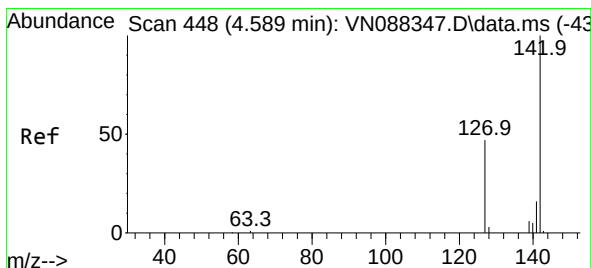
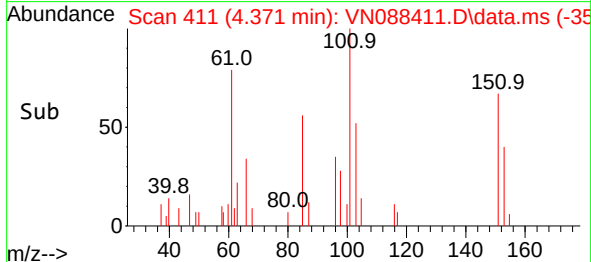
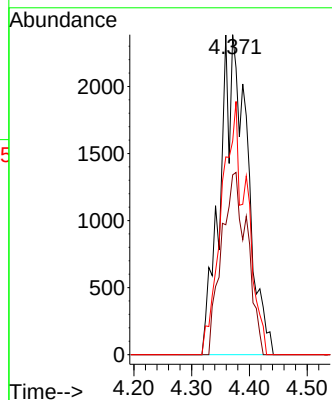
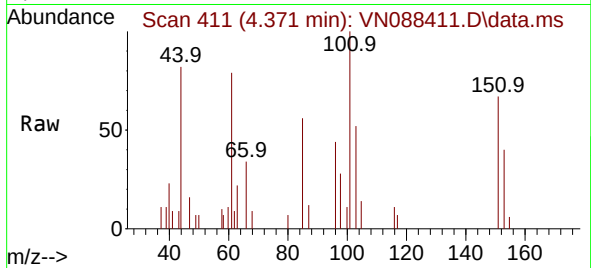
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.769 ug/l m
RT: 4.371 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:101 Resp: 7850
Ion Ratio Lower Upper
101 100
85 53.1 39.2 58.8
151 72.8 53.6 80.4

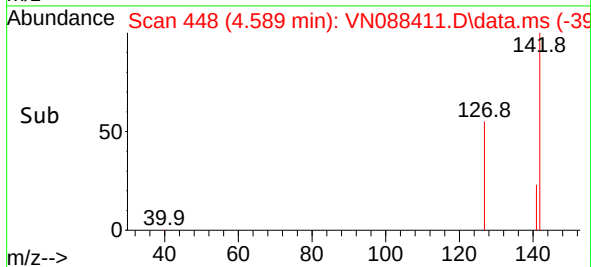
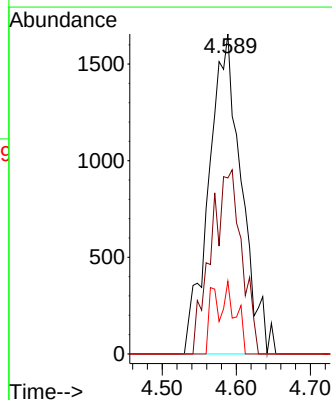
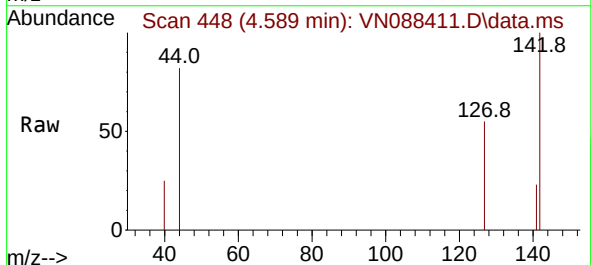
Manual Integrations
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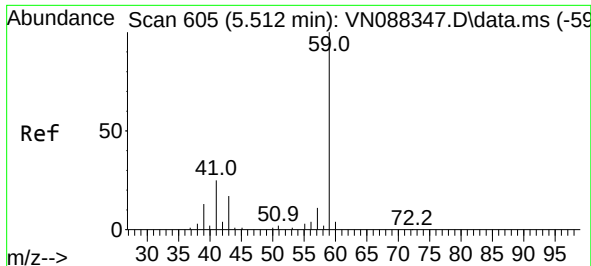
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#10
Methyl Iodide
Concen: 1.804 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Tgt Ion:142 Resp: 5063
Ion Ratio Lower Upper
142 100
127 55.0 37.9 56.9
141 22.7 12.4 18.6#





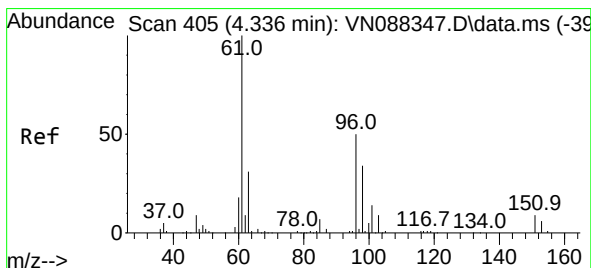
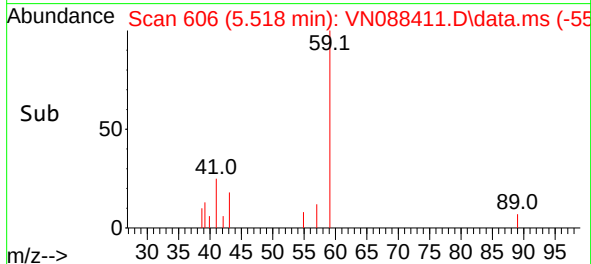
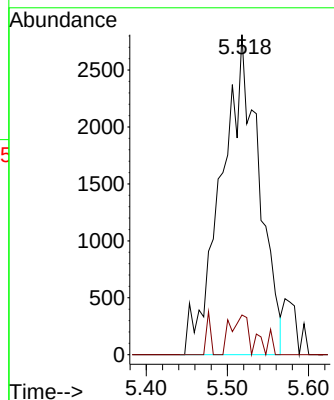
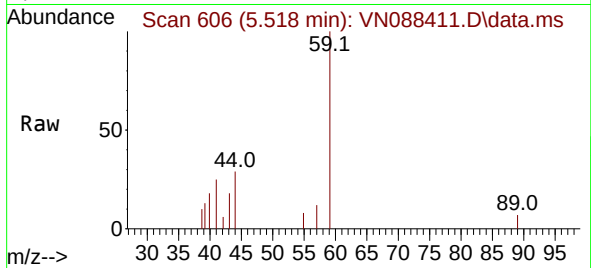
#11
Tert butyl alcohol
Concen: 13.040 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 59 Resp: 905
Ion Ratio Lower Upper
59 100
57 7.0 8.5 12.7

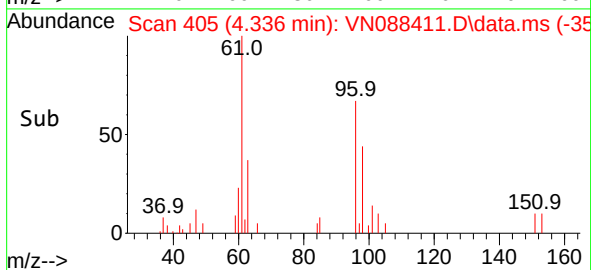
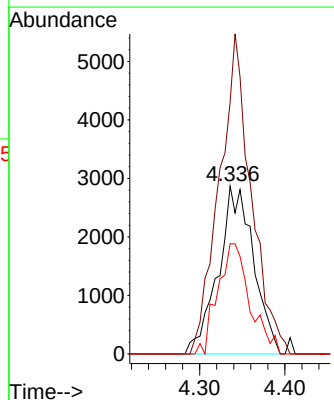
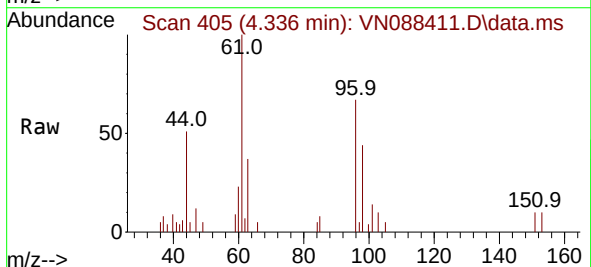
Manual Integrations
APPROVED

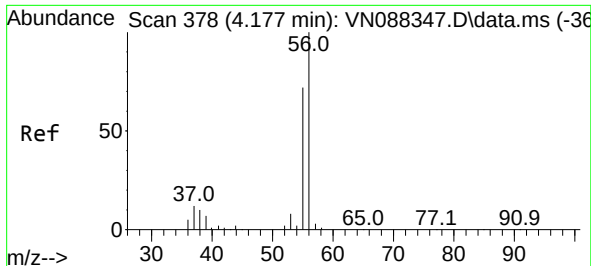
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#12
1,1-Dichloroethene
Concen: 2.928 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

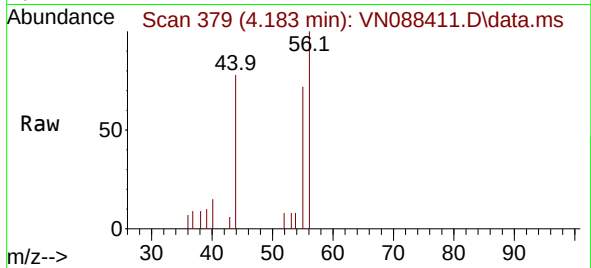
Tgt Ion: 96 Resp: 8245
Ion Ratio Lower Upper
96 100
61 150.0 159.1 238.7#
98 65.6 53.7 80.5





#13
Acrolein
Concen: 12.646 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

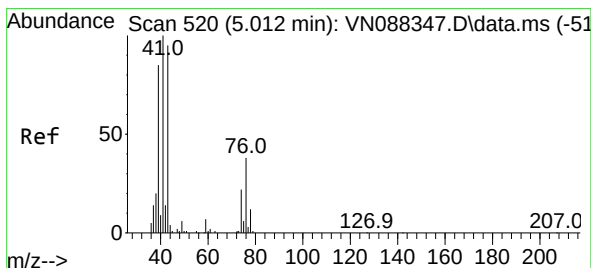
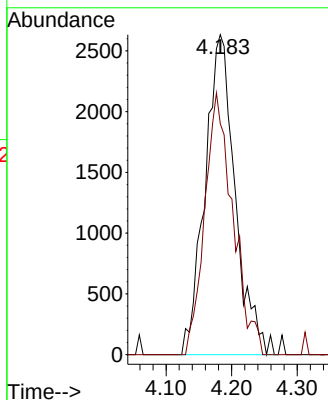
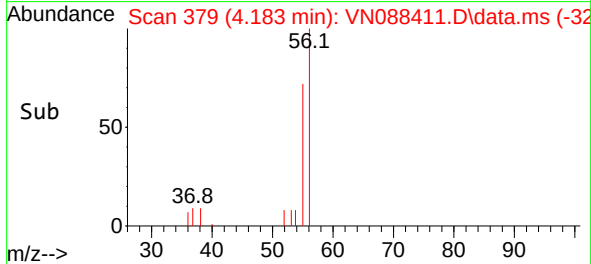
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 56 Resp: 840
Ion Ratio Lower Upper
56 100
55 76.7 56.3 84.5

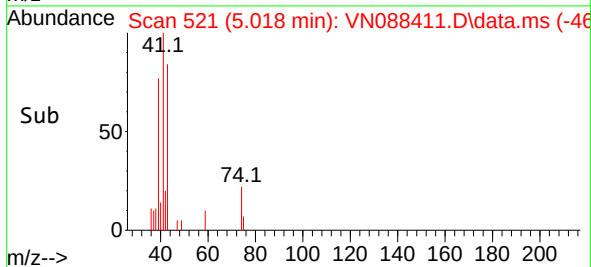
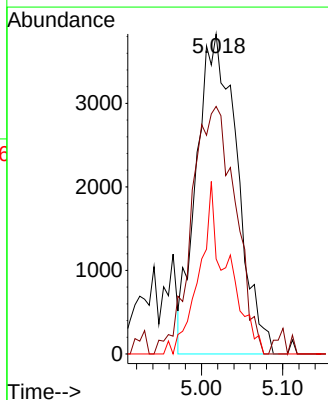
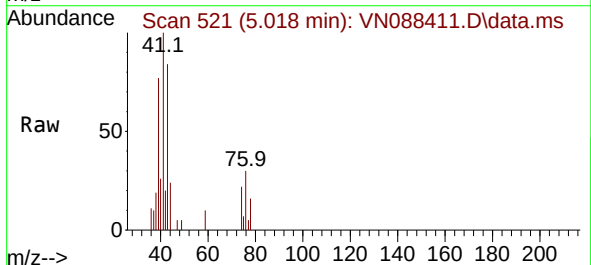
Manual Integrations
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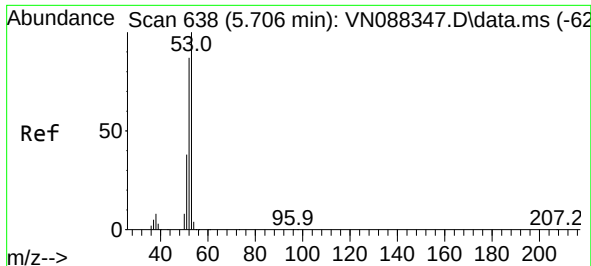
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#14
Allyl chloride
Concen: 2.545 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

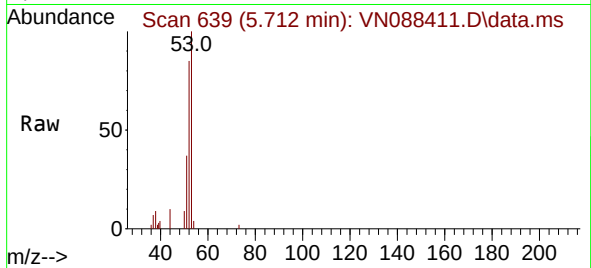
Tgt Ion: 41 Resp: 13283
Ion Ratio Lower Upper
41 100
39 83.3 64.7 97.1
76 37.4 29.1 43.7





#15
Acrylonitrile
Concen: 14.151 ug/l
RT: 5.712 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

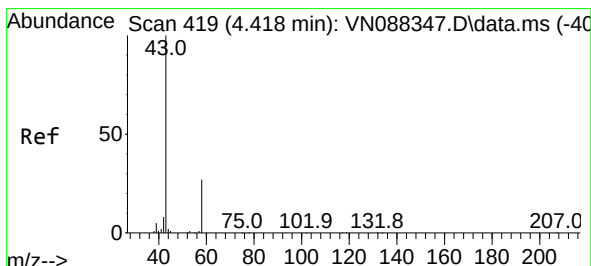
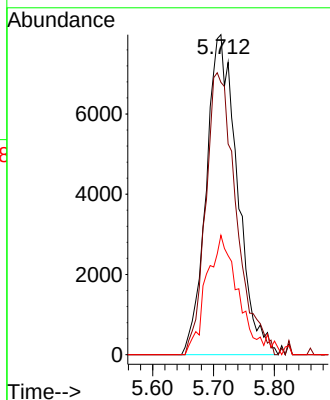
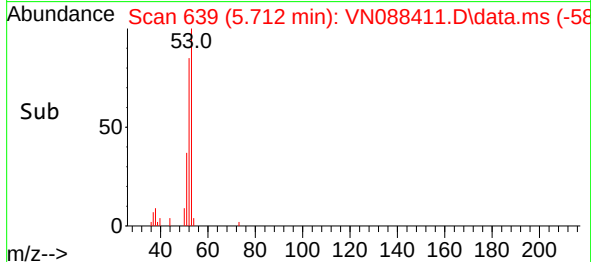
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



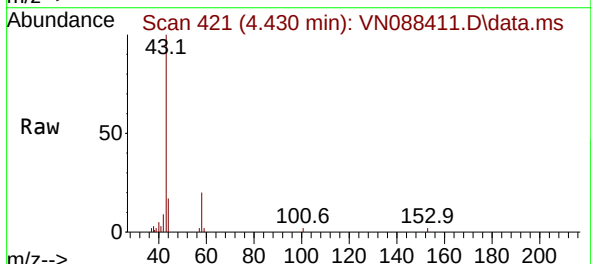
Tgt Ion: 53 Resp: 2834
Ion Ratio Lower Upper
53 100
52 86.3 67.8 101.6
51 37.7 29.8 44.8

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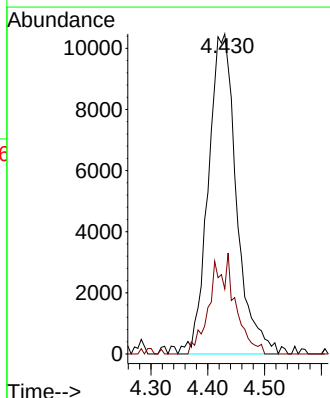
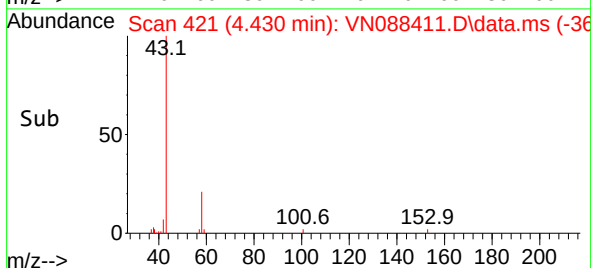
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

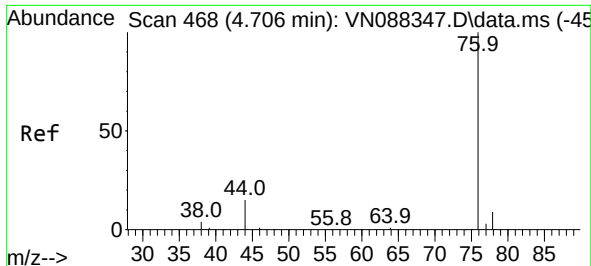


#16
Acetone
Concen: 22.986 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03



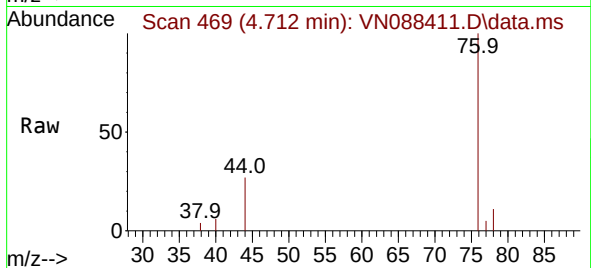
Tgt Ion: 43 Resp: 36148
Ion Ratio Lower Upper
43 100
58 20.3 21.7 32.5#





#17
Carbon Disulfide
Concen: 2.857 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

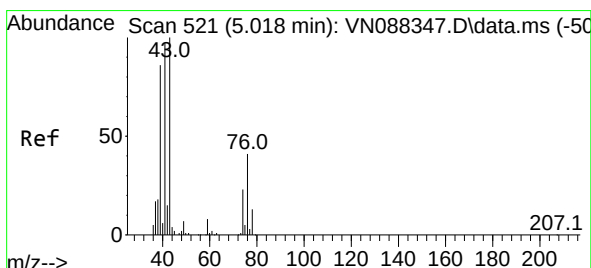
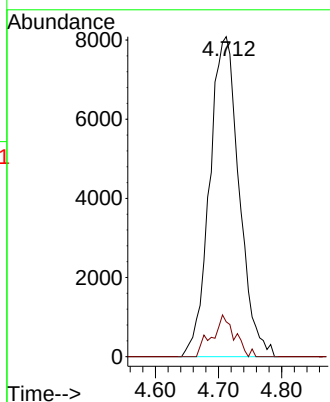
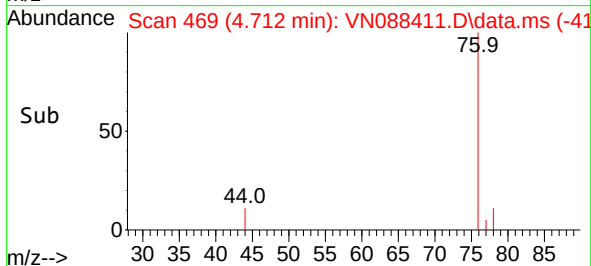
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 76 Resp: 2629
Ion Ratio Lower Upper
76 100
78 10.9 7.0 10.4

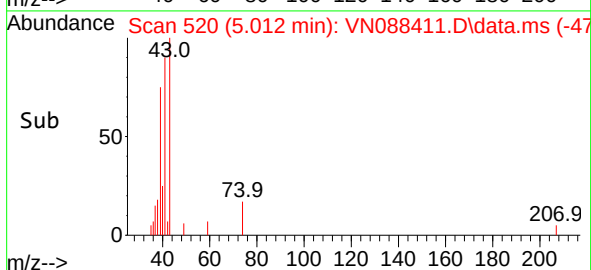
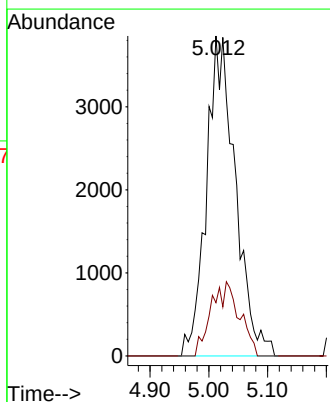
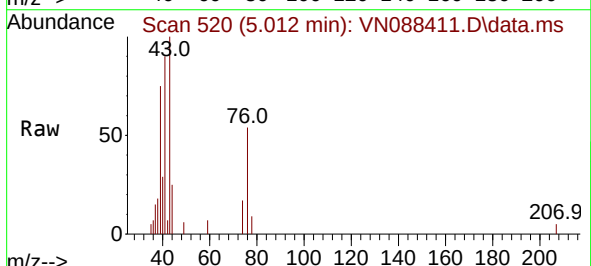
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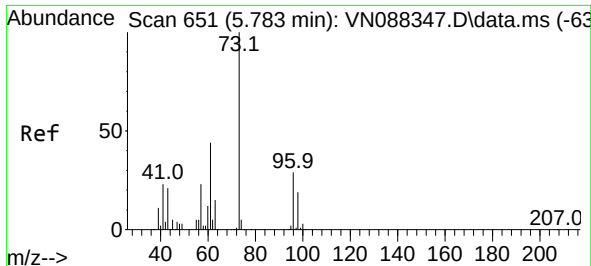
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#18
Methyl Acetate
Concen: 2.814 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

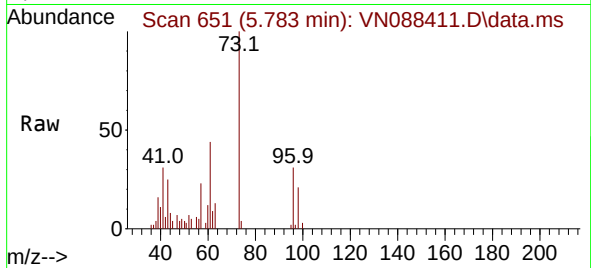
Tgt Ion: 43 Resp: 13172
Ion Ratio Lower Upper
43 100
74 22.7 17.9 26.9





#19
Methyl tert-butyl Ether
Concen: 2.704 ug/l
RT: 5.783 min Scan# 651
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

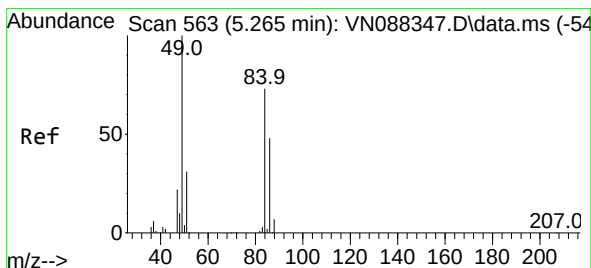
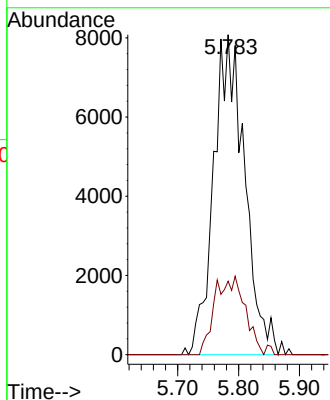
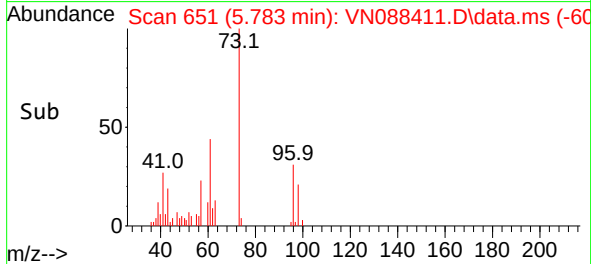
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



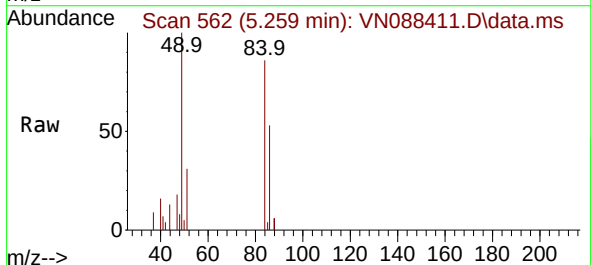
Tgt Ion: 73 Resp: 28534
Ion Ratio Lower Upper
73 100
57 23.0 18.6 28.0

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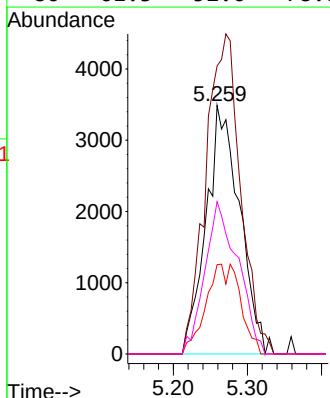
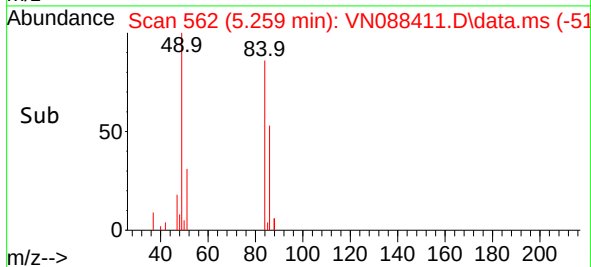
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

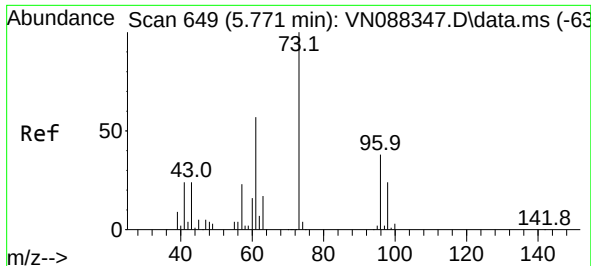


#20
Methylene Chloride
Concen: 3.271 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03



Tgt Ion: 84 Resp: 11004
Ion Ratio Lower Upper
84 100
49 115.9 110.2 165.2
51 35.9 34.1 51.1
86 61.3 52.6 78.8





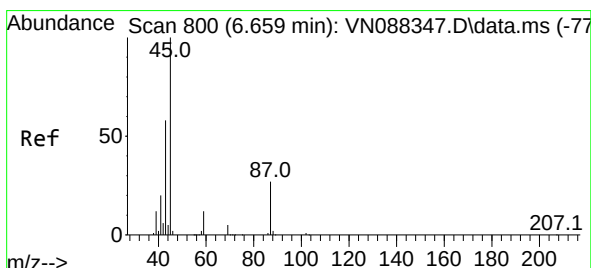
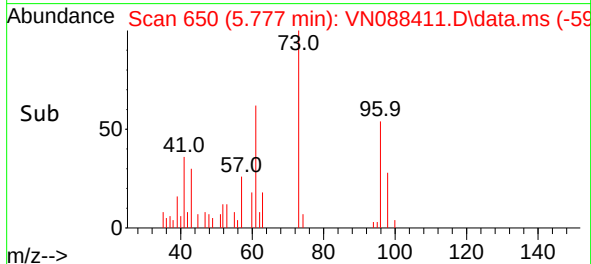
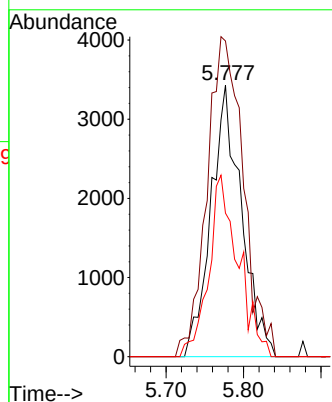
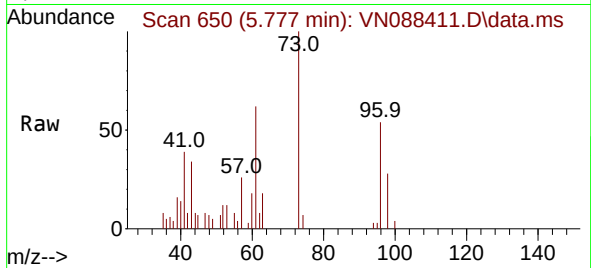
#21
trans-1,2-Dichloroethene
Concen: 3.003 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 96 Resp: 936
Ion Ratio Lower Upper
96 100
61 116.3 122.4 183.6
98 52.9 50.9 76.3

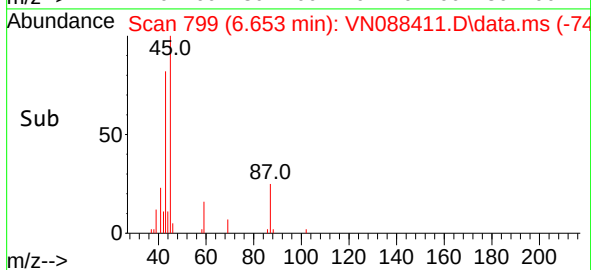
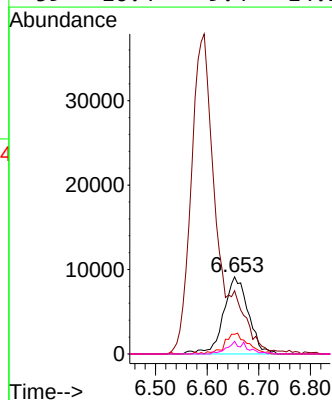
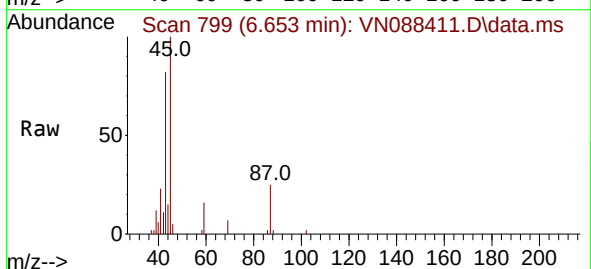
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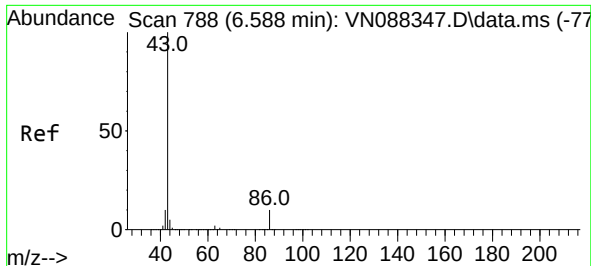
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#22
Diisopropyl ether
Concen: 2.718 ug/l
RT: 6.653 min Scan# 799
Delta R.T. -0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

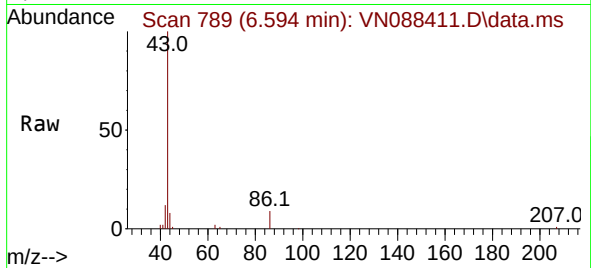
Tgt Ion: 45 Resp: 30288
Ion Ratio Lower Upper
45 100
43 78.3 47.4 71.2#
87 25.5 21.9 32.9
59 16.4 9.4 14.2#





#23
 Vinyl Acetate
 Concen: 13.218 ug/l
 RT: 6.594 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VN088411.D
 Acq: 02 Dec 2025 16:03

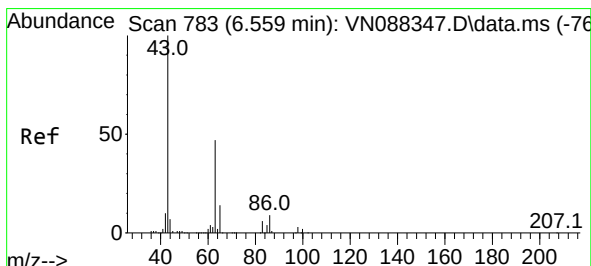
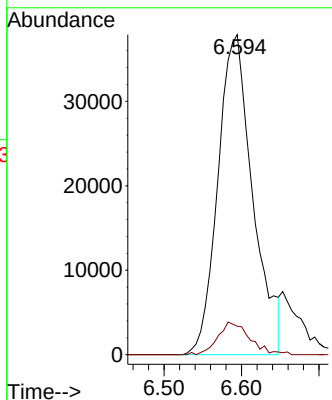
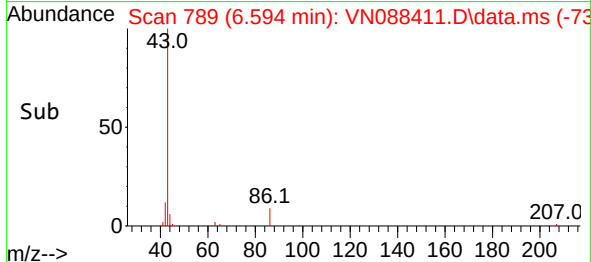
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025



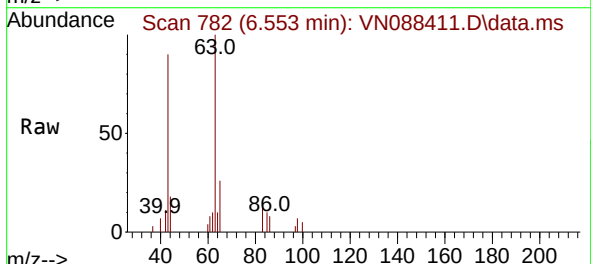
Tgt Ion: 43 Resp: 118679
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.8 11.8

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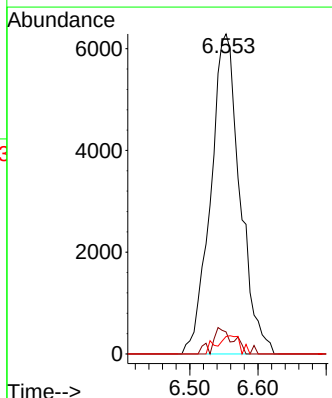
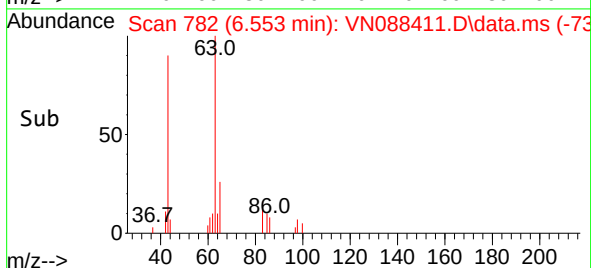
Reviewed By :John Carlone 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

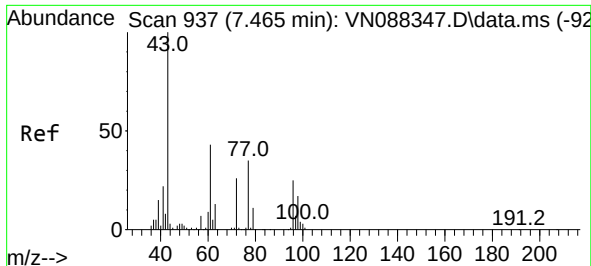


#24
 1,1-Dichloroethane
 Concen: 2.984 ug/l
 RT: 6.553 min Scan# 782
 Delta R.T. -0.006 min
 Lab File: VN088411.D
 Acq: 02 Dec 2025 16:03



Tgt Ion: 63 Resp: 18830
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.4 10.2
 100 5.4 1.9 5.7





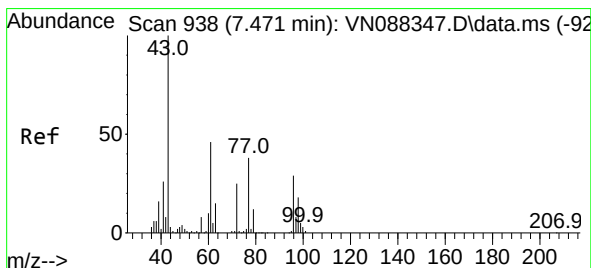
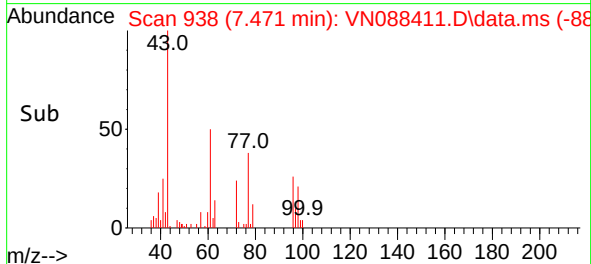
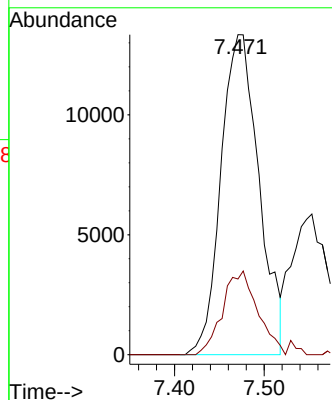
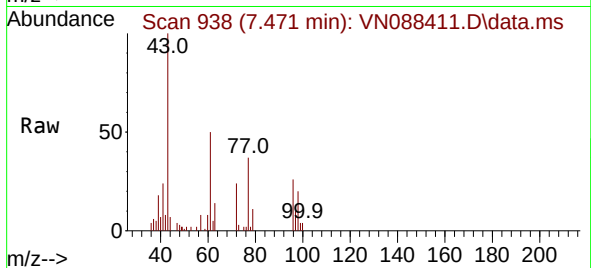
#25
2-Butanone
Concen: 15.536 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 43 Resp: 39270
Ion Ratio Lower Upper
43 100
72 23.7 20.5 30.7

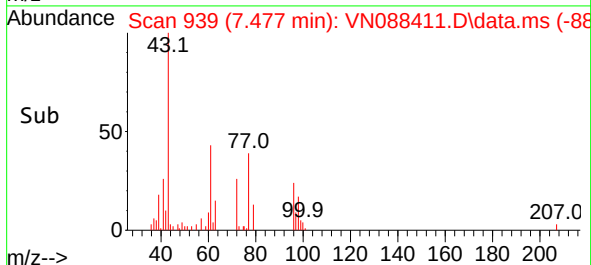
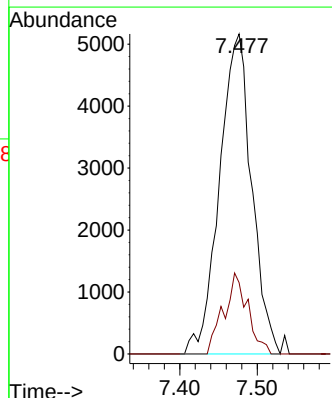
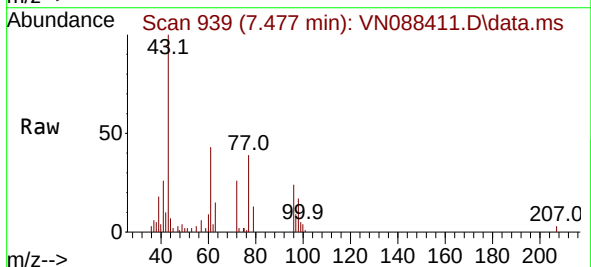
Manual Integrations
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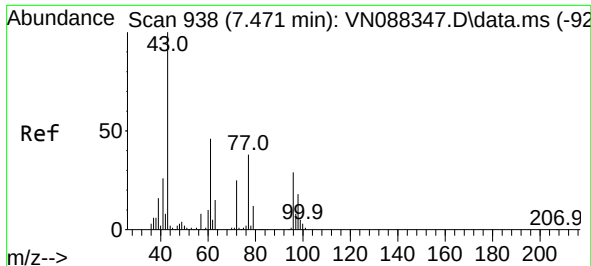
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#26
2,2-Dichloropropane
Concen: 2.734 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

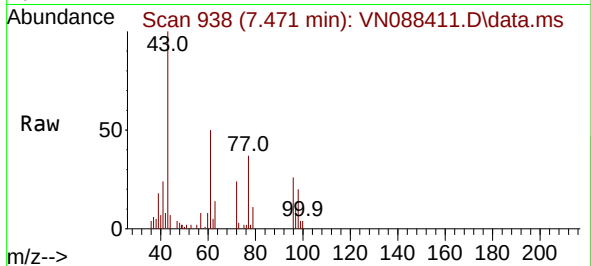
Tgt Ion: 77 Resp: 14890
Ion Ratio Lower Upper
77 100
97 19.0 10.3 30.9





#27
 cis-1,2-Dichloroethene
 Concen: 2.578 ug/l
 RT: 7.471 min Scan# 938
 Delta R.T. 0.000 min
 Lab File: VN088411.D
 Acq: 02 Dec 2025 16:03

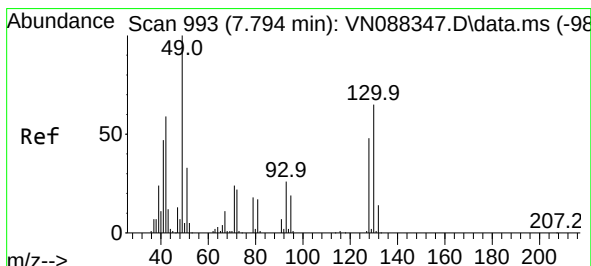
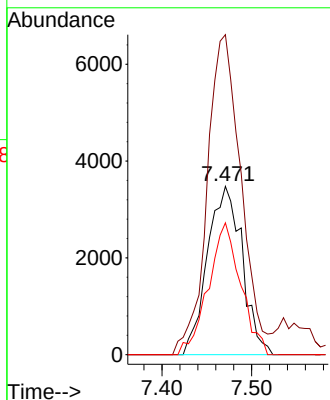
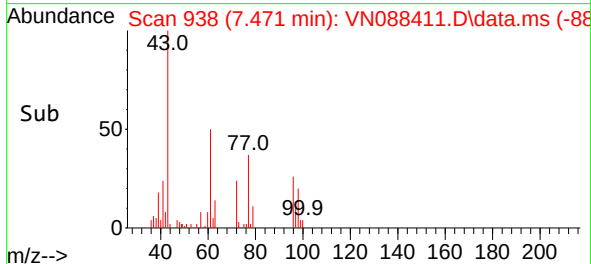
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 96 Resp: 934
 Ion Ratio Lower Upper
 96 100
 61 184.9 0.0 323.6
 98 73.0 0.0 127.2

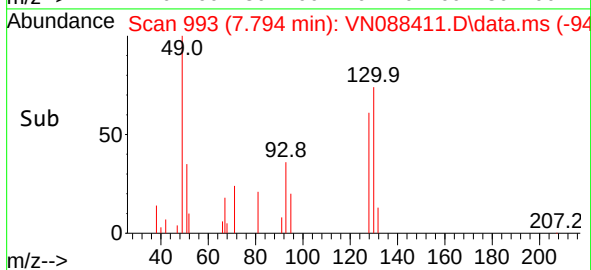
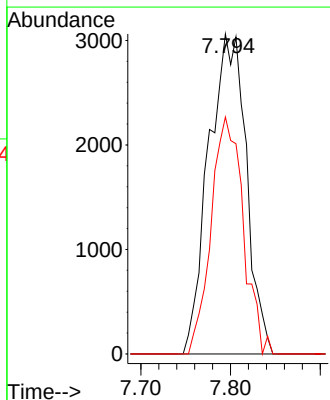
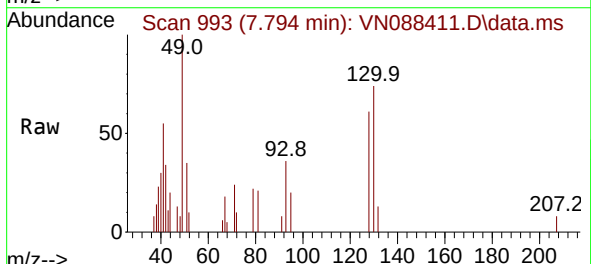
Manual Integrations
 APPROVED

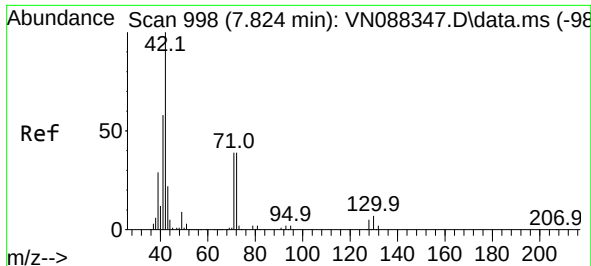
Reviewed By :John Carlone 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025



#28
 Bromochloromethane
 Concen: 2.832 ug/l
 RT: 7.794 min Scan# 993
 Delta R.T. 0.000 min
 Lab File: VN088411.D
 Acq: 02 Dec 2025 16:03

Tgt Ion: 49 Resp: 8904
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 63.1 51.1 76.7





#29

Tetrahydrofuran

Concen: 12.250 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. 0.012 min

Lab File: VN088411.D

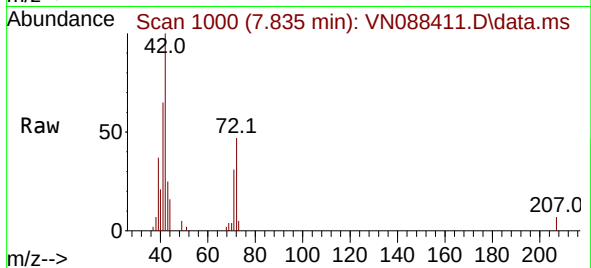
Acq: 02 Dec 2025 16:03

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025



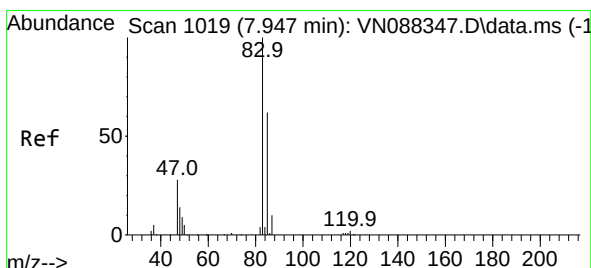
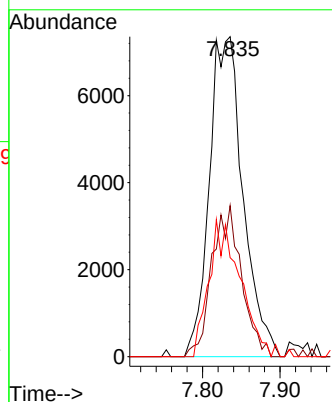
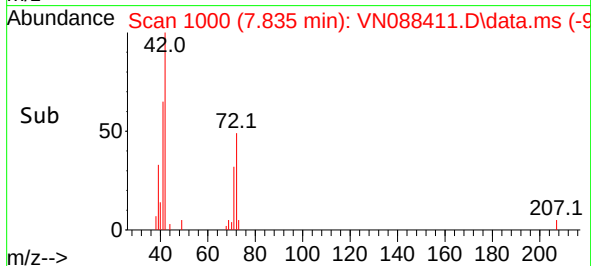
Tgt Ion:	42	Resp:	22214
Ion Ratio	Lower	Upper	
42	100		
72	41.4	32.2	48.4
71	40.0	31.1	46.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#30

Chloroform

Concen: 2.988 ug/l

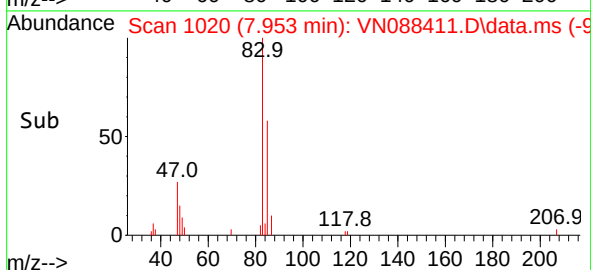
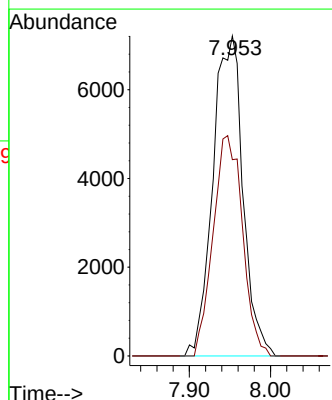
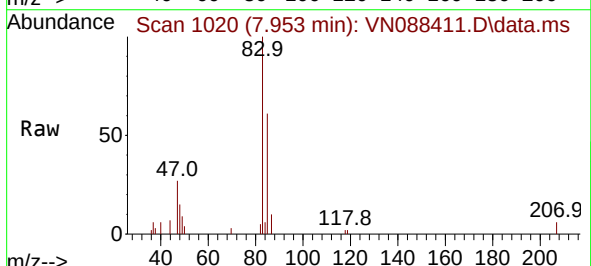
RT: 7.953 min Scan# 1020

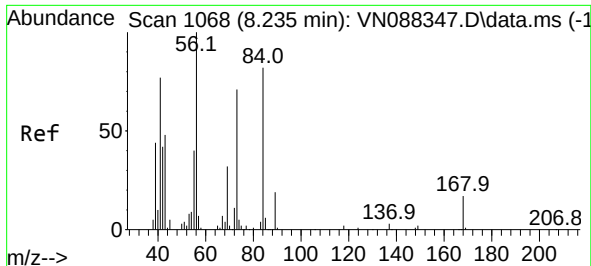
Delta R.T. 0.006 min

Lab File: VN088411.D

Acq: 02 Dec 2025 16:03

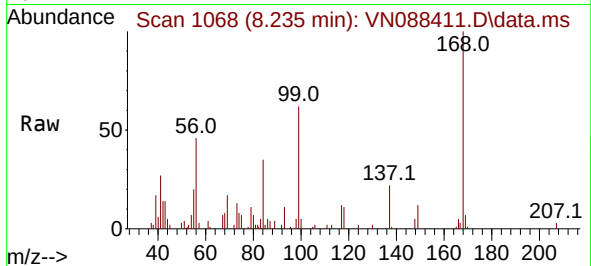
Tgt Ion:	83	Resp:	18531
Ion Ratio	Lower	Upper	
83	100		
85	61.4	49.8	74.8





#31
Cyclohexane
Concen: 2.332 ug/l m
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

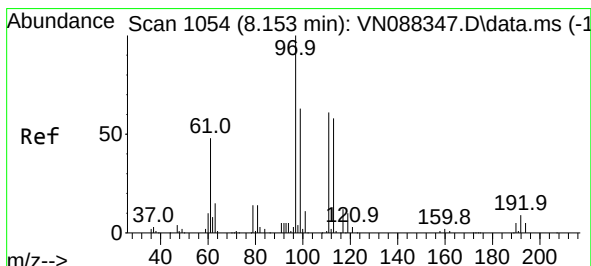
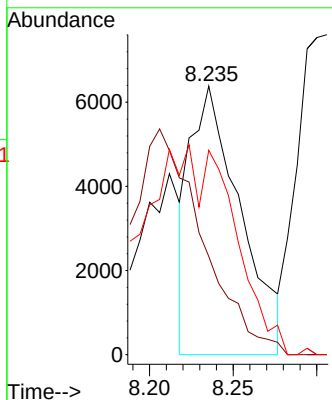
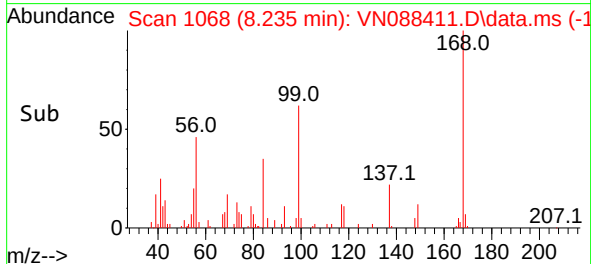
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



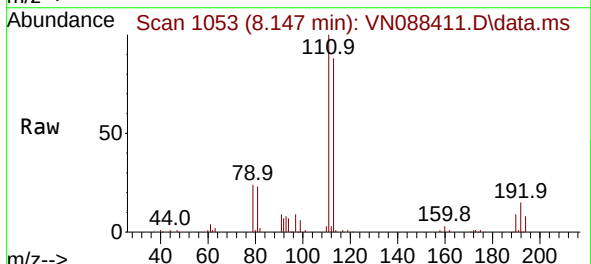
Tgt Ion: 56 Resp: 13336
Ion Ratio Lower Upper
56 100
69 36.6 25.3 37.9
84 76.1 65.4 98.2

Manual Integrations
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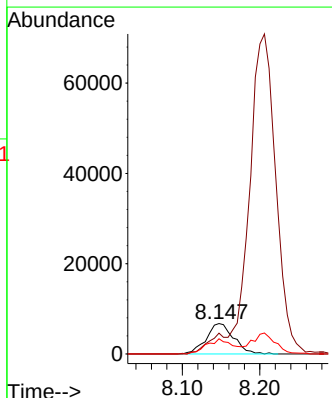
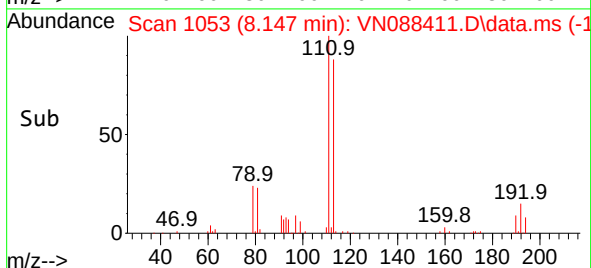
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

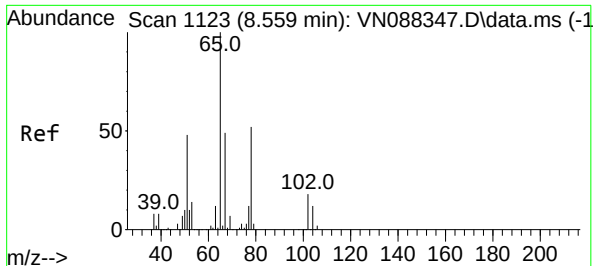


#32
1,1,1-Trichloroethane
Concen: 3.044 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03



Tgt Ion: 97 Resp: 16597
Ion Ratio Lower Upper
97 100
99 48.8 50.8 76.2#
61 47.7 42.2 63.2





#33

1,2-Dichloroethane-d4

Concen: 62.374 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088411.D

Acq: 02 Dec 2025 16:03

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 65 Resp: 271225

Ion Ratio Lower Upper

65 100

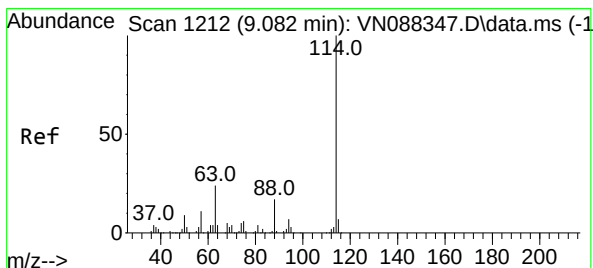
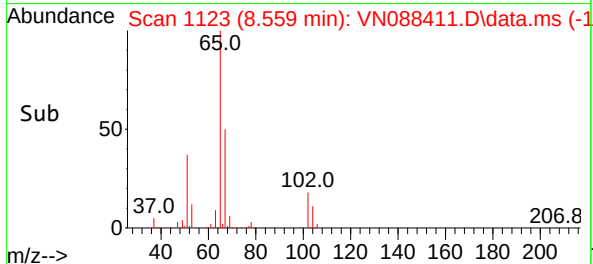
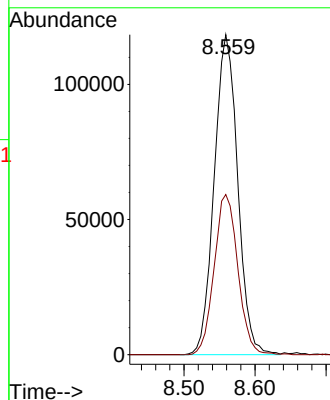
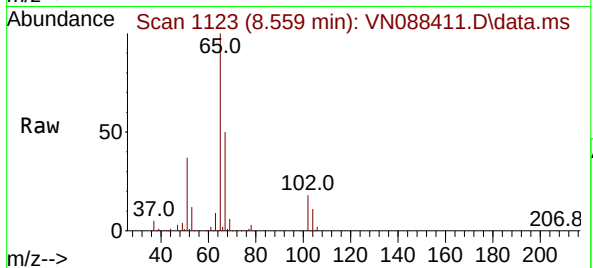
67 50.6 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.076 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VN088411.D

Acq: 02 Dec 2025 16:03

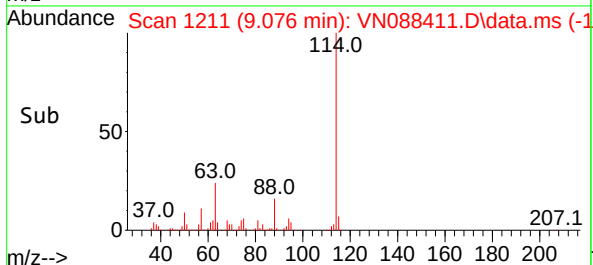
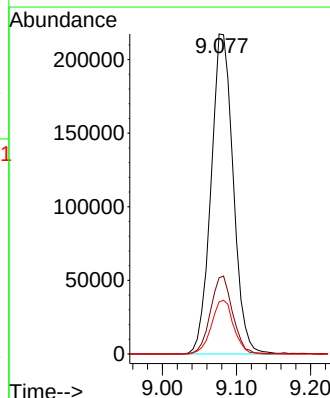
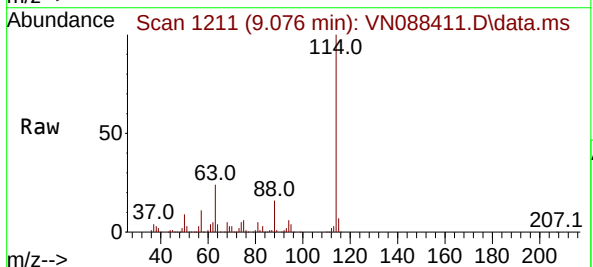
Tgt Ion:114 Resp: 452048

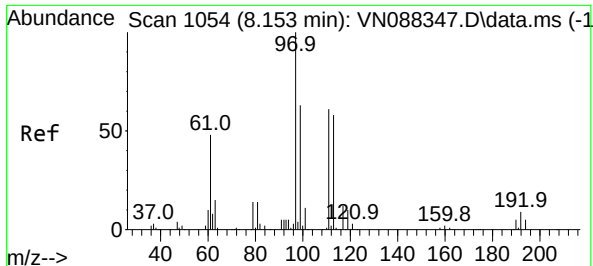
Ion Ratio Lower Upper

114 100

63 23.8 0.0 49.0

88 16.3 0.0 34.0





#35

Dibromofluoromethane

Concen: 57.315 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.000 min

Lab File: VN088411.D

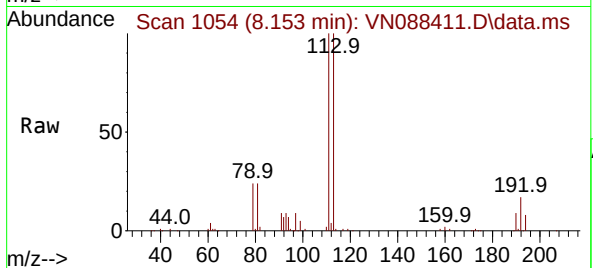
Acq: 02 Dec 2025 16:03

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025



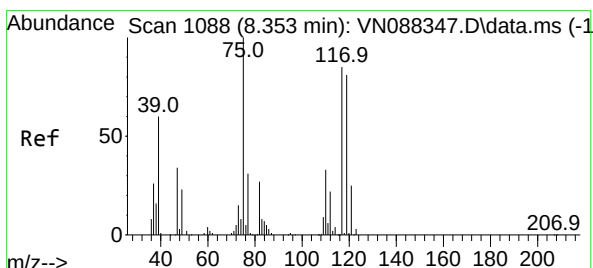
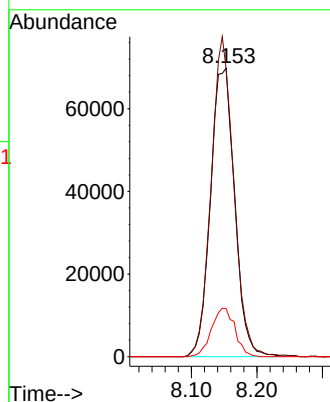
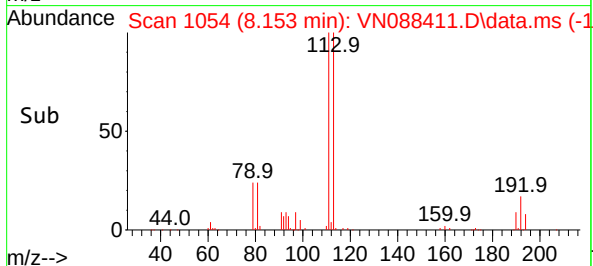
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.5	123.7
192	16.2	12.8	19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#36

1,1-Dichloropropene

Concen: 2.420 ug/l

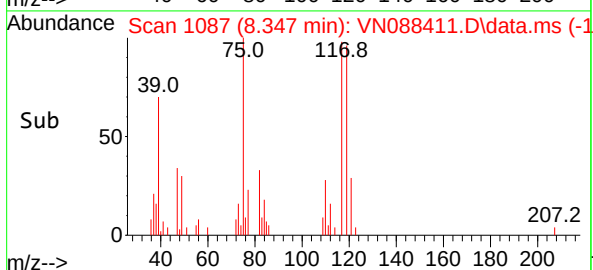
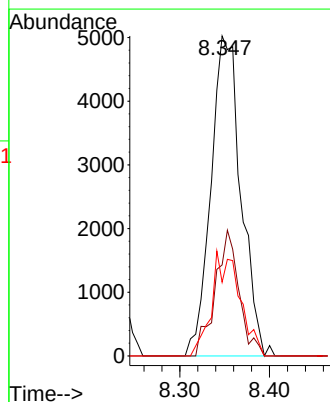
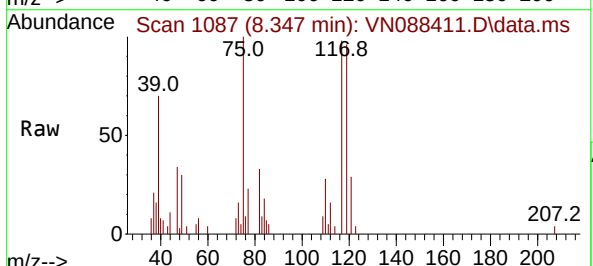
RT: 8.347 min Scan# 1087

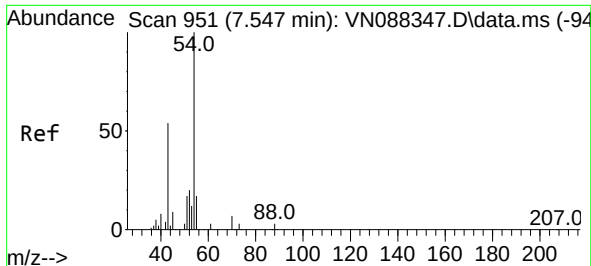
Delta R.T. -0.006 min

Lab File: VN088411.D

Acq: 02 Dec 2025 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.0	15.8	47.4
77	30.4	24.2	36.2





#37

Ethyl Acetate

Concen: 2.728 ug/l

RT: 7.553 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN088411.D

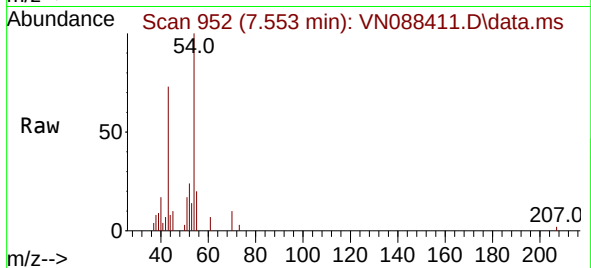
Acq: 02 Dec 2025 16:03

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025



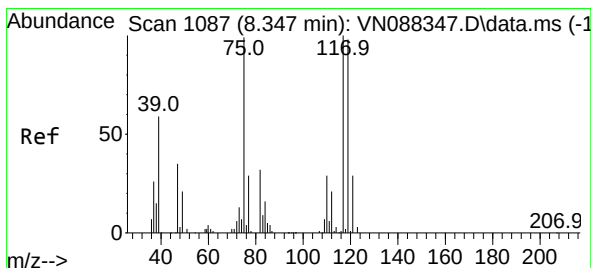
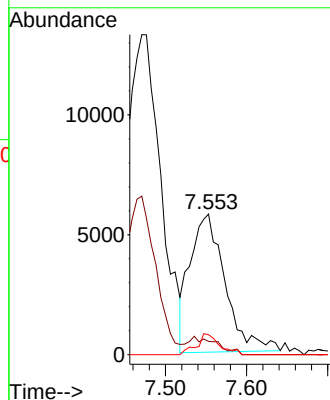
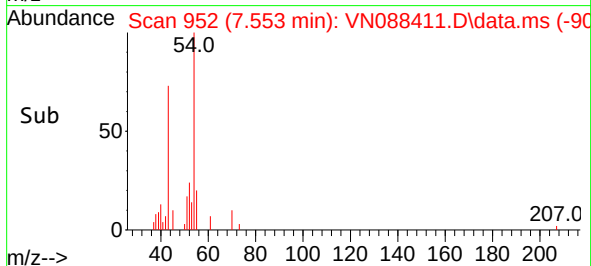
Tgt Ion:	43	Resp:	1734
Ion	Ratio	Lower	Upper
43	100		
61	11.1	9.5	14.3
70	9.8	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#38

Carbon Tetrachloride

Concen: 2.625 ug/l

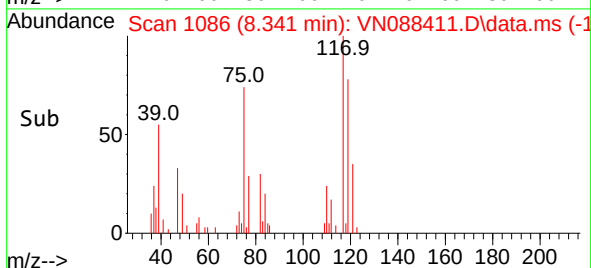
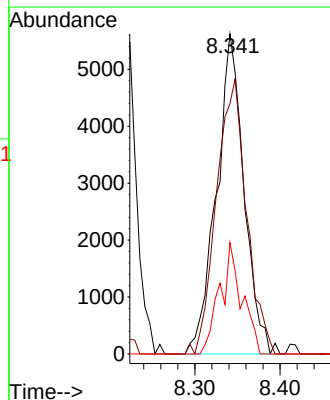
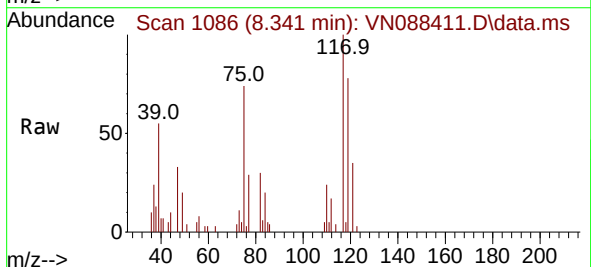
RT: 8.341 min Scan# 1086

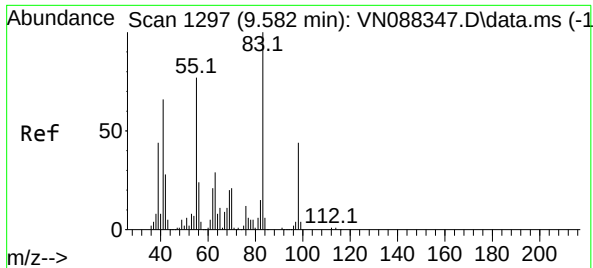
Delta R.T. -0.006 min

Lab File: VN088411.D

Acq: 02 Dec 2025 16:03

Tgt Ion:	117	Resp:	12633
Ion	Ratio	Lower	Upper
117	100		
119	78.2	78.2	117.4
121	34.8	23.4	35.2





#39

Methylcyclohexane

Concen: 2.218 ug/l

RT: 9.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN088411.D

Acq: 02 Dec 2025 16:03

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

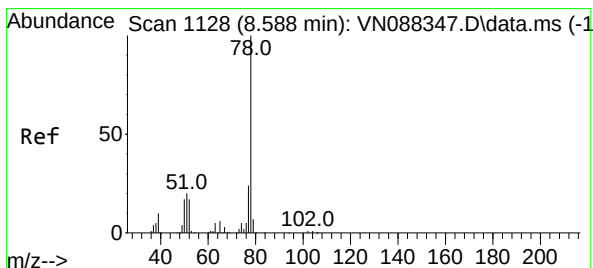
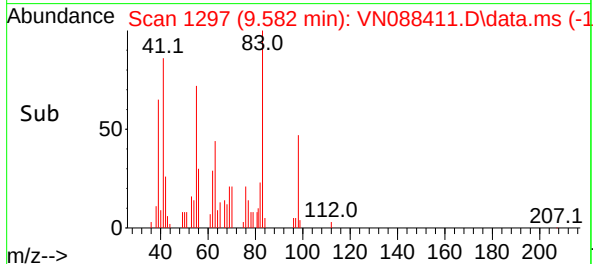
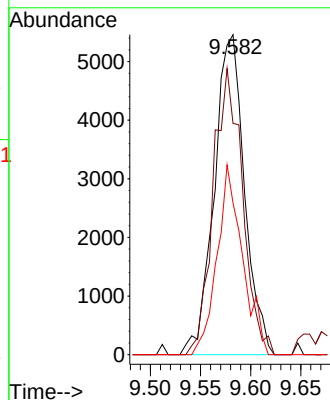
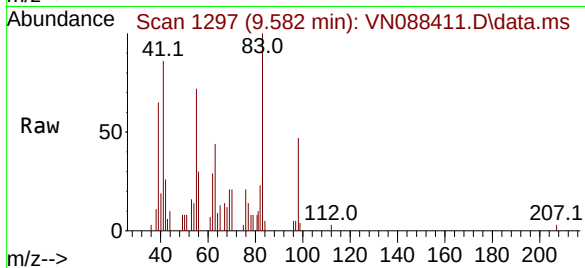
Tgt Ion: 83	Resp: 1146
Ion Ratio	Lower Upper
83 100	
55 72.3	61.6 92.4
98 47.4	35.3 52.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#40

Benzene

Concen: 2.654 ug/l

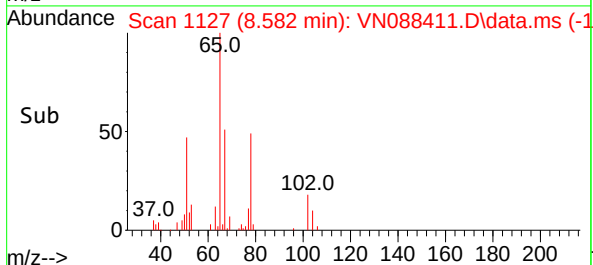
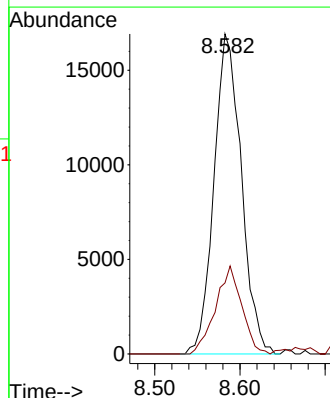
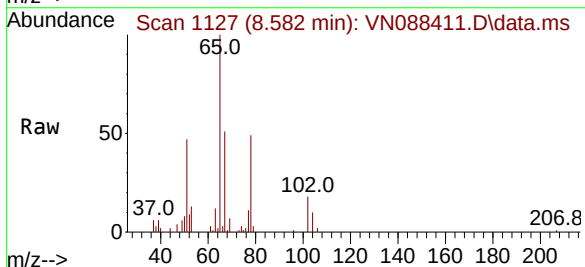
RT: 8.582 min Scan# 1127

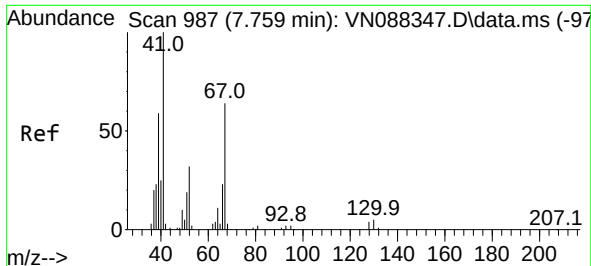
Delta R.T. -0.006 min

Lab File: VN088411.D

Acq: 02 Dec 2025 16:03

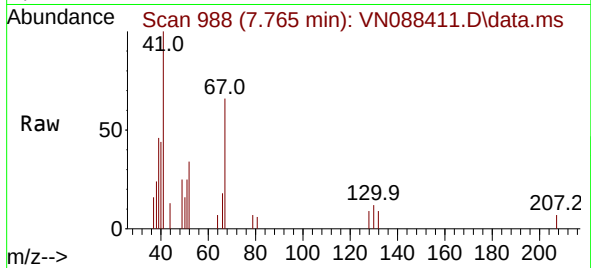
Tgt Ion: 78	Resp: 37656
Ion Ratio	Lower Upper
78 100	
77 22.2	19.0 28.4





#41
Methacrylonitrile
Concen: 2.527 ug/l
RT: 7.765 min Scan# 911
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

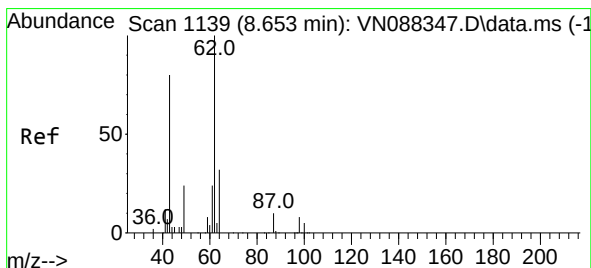
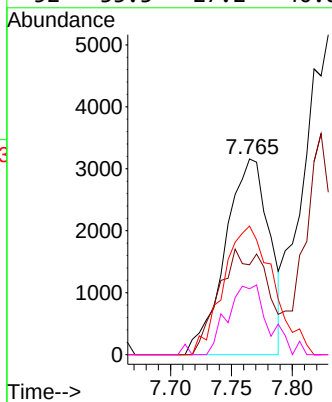
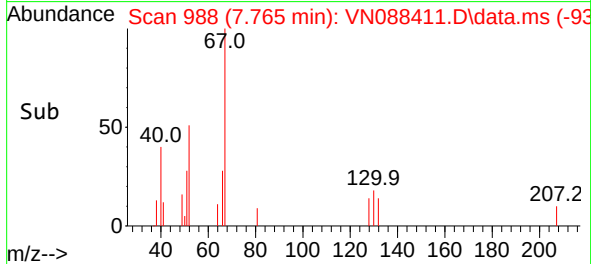
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion:	41	Resp:	795
Ion	Ratio	Lower	Upper
41	100		
39	58.4	46.3	69.5
67	74.5	54.7	82.1
52	33.3	27.2	40.8

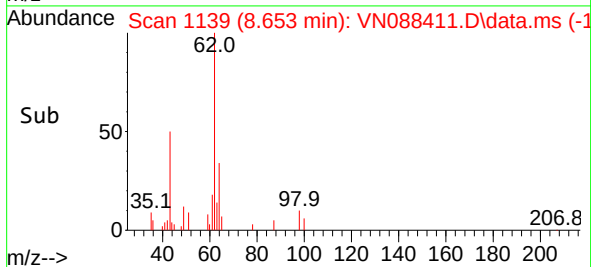
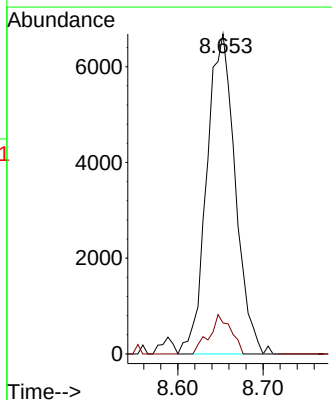
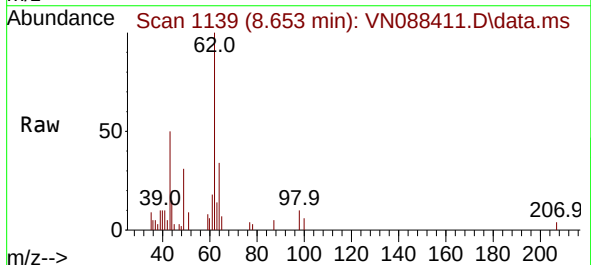
Manual Integrations
APPROVED

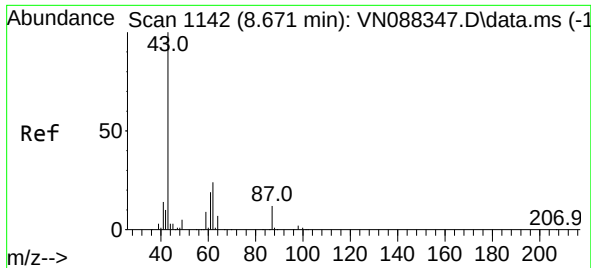
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#42
1,2-Dichloroethane
Concen: 2.870 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

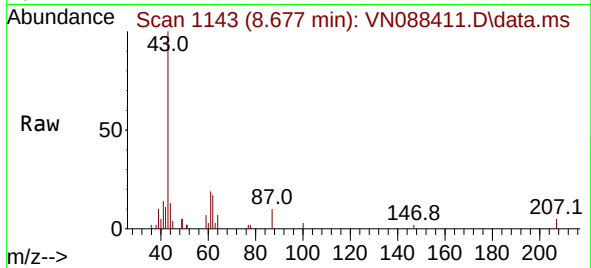
Tgt Ion:	62	Resp:	15535
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.2





#43
Isopropyl Acetate
Concen: 2.428 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

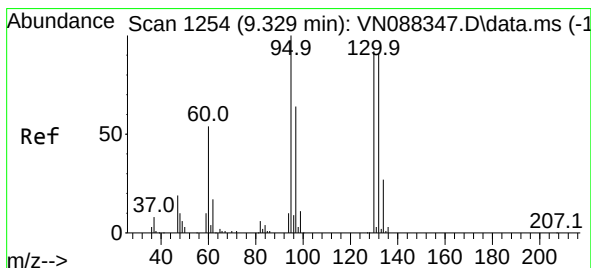
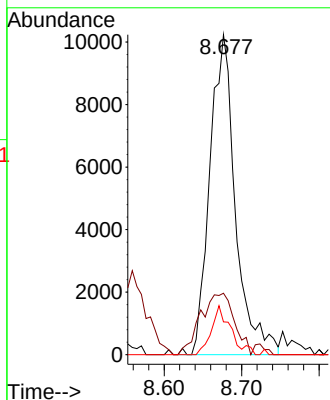
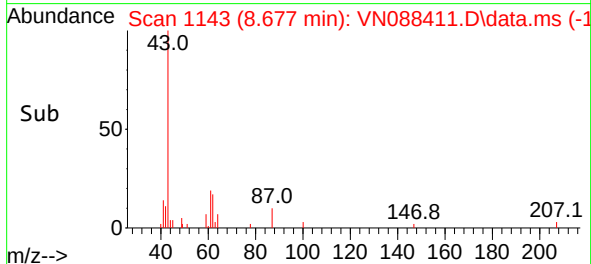
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 43 Resp: 2358
Ion Ratio Lower Upper
43 100
61 25.2 18.7 28.1
87 11.5 9.1 13.7

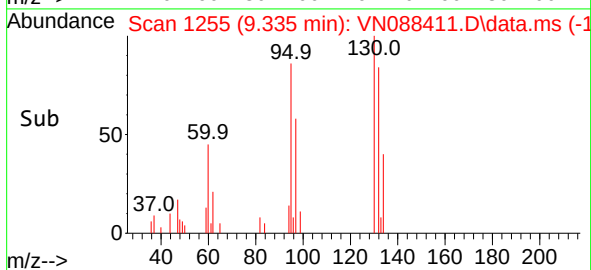
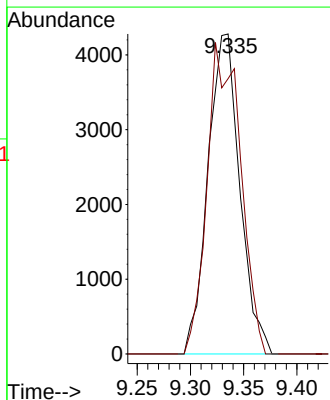
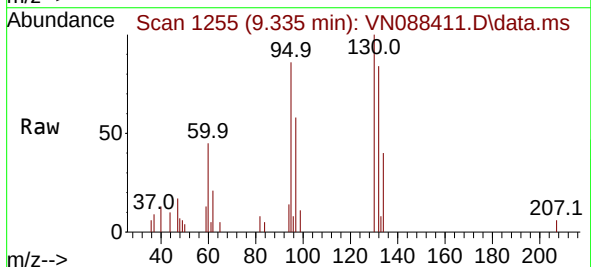
Manual Integrations
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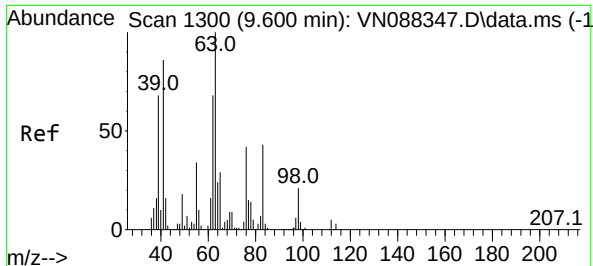
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#44
Trichloroethene
Concen: 2.654 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Tgt Ion:130 Resp: 8899
Ion Ratio Lower Upper
130 100
95 86.1 0.0 217.0





#45

1,2-Dichloropropane

Concen: 3.019 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN088411.D

Acq: 02 Dec 2025 16:03

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 63 Resp: 1097

Ion Ratio Lower Upper

63 100

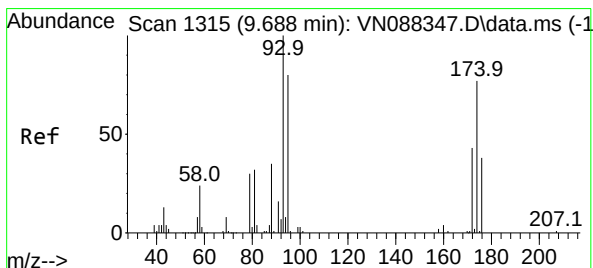
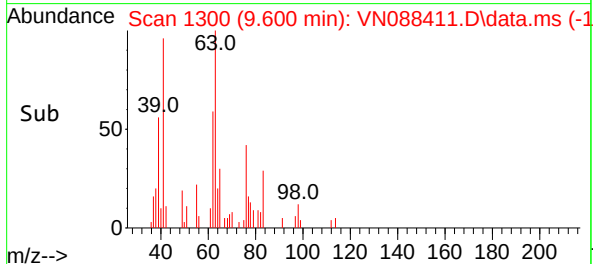
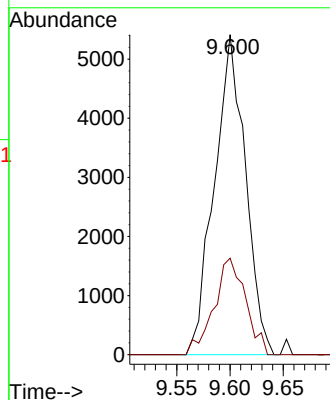
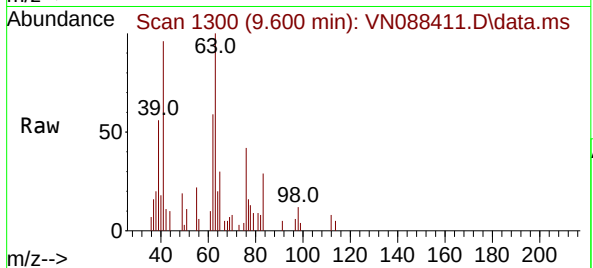
65 30.2 23.0 34.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#46

Dibromomethane

Concen: 2.742 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN088411.D

Acq: 02 Dec 2025 16:03

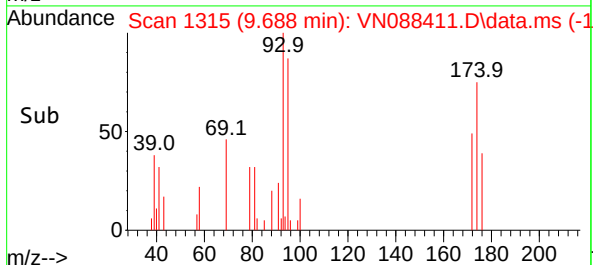
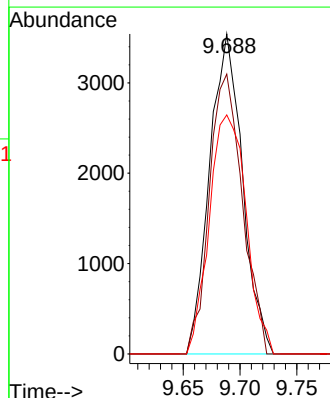
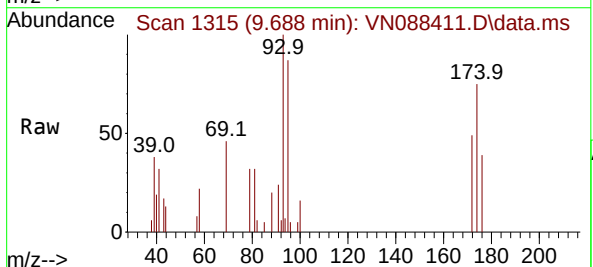
Tgt Ion: 93 Resp: 7114

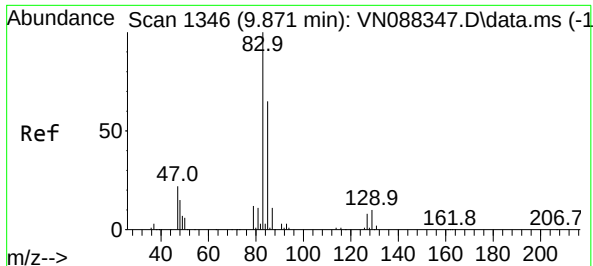
Ion Ratio Lower Upper

93 100

95 88.2 65.8 98.6

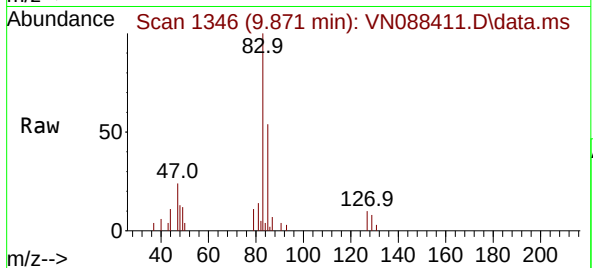
174 83.8 64.3 96.5





#47
Bromodichloromethane
Concen: 2.723 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

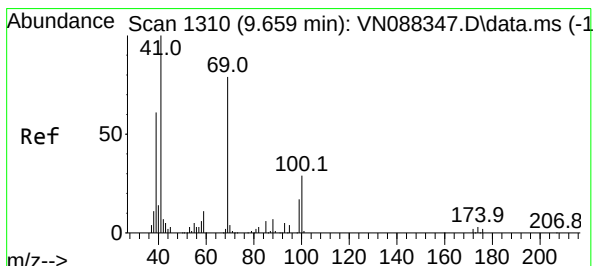
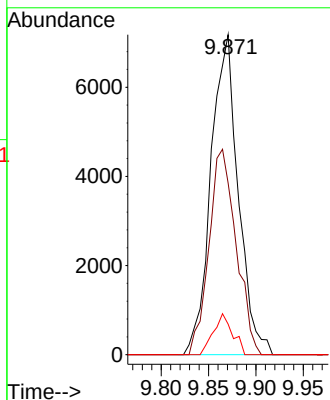
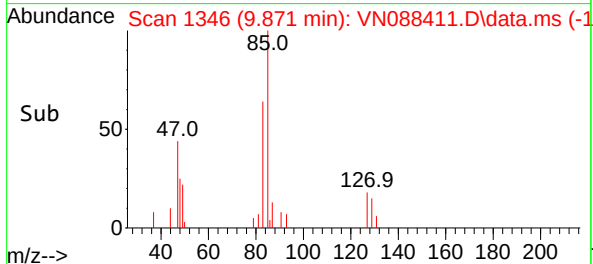
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



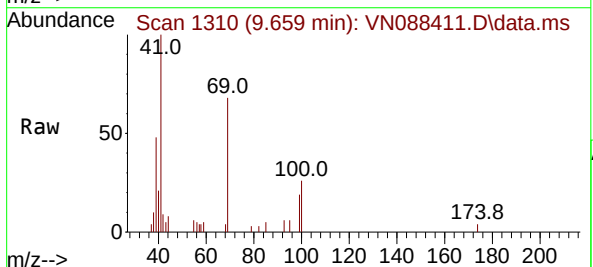
Tgt Ion: 83 Resp: 14414
Ion Ratio Lower Upper
83 100
85 53.7 51.9 77.9
127 9.5 6.3 9.5

Manual Integrations
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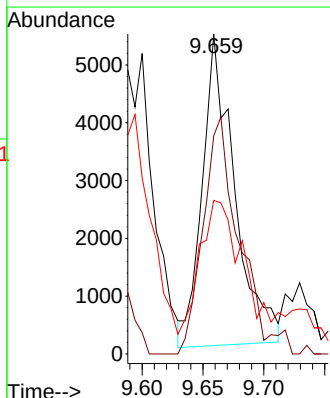
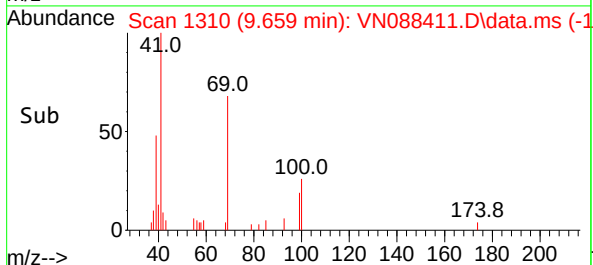
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

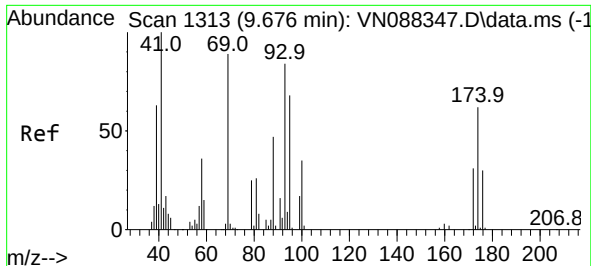


#48
Methyl methacrylate
Concen: 2.239 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03



Tgt Ion: 41 Resp: 9924
Ion Ratio Lower Upper
41 100
69 85.2 62.4 93.6
39 55.8 52.6 79.0





#49

1,4-Dioxane

Concen: 33.464 ug/l

RT: 9.676 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088411.D

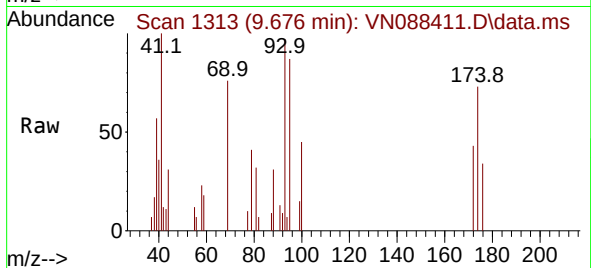
Acq: 02 Dec 2025 16:03

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025



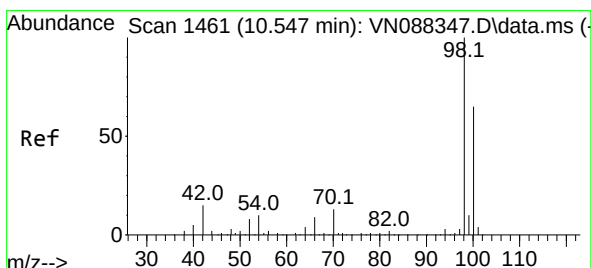
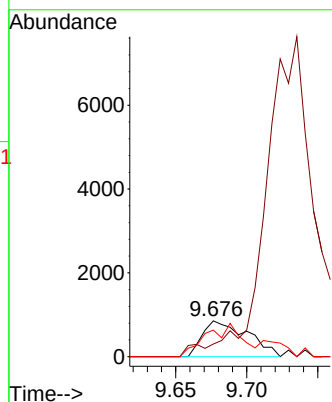
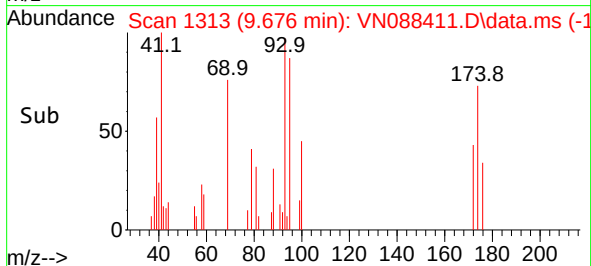
Tgt Ion: 88	Resp: 1880
Ion Ratio	Lower Upper
88	100
43	0.0 0.0 0.0
58	39.4 62.0 93.0

Manual Integrations

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Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#50

Toluene-d8

Concen: 55.350 ug/l

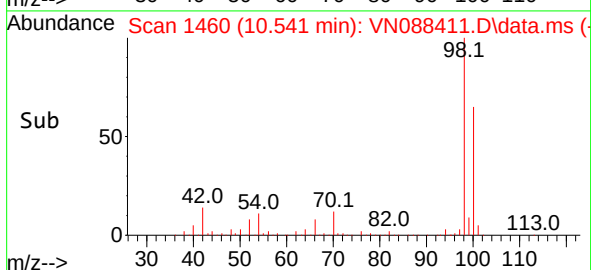
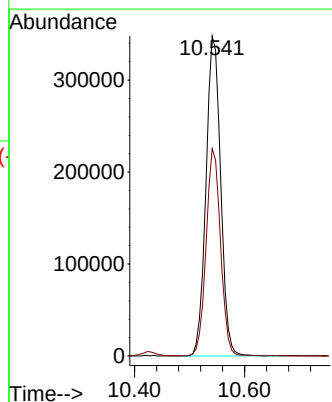
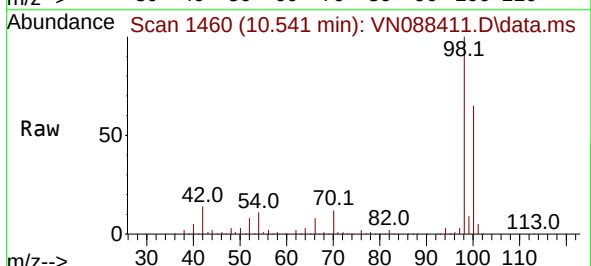
RT: 10.541 min Scan# 1460

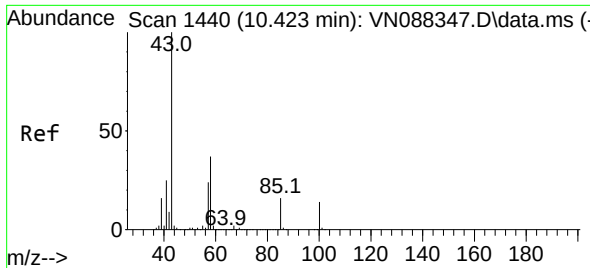
Delta R.T. -0.006 min

Lab File: VN088411.D

Acq: 02 Dec 2025 16:03

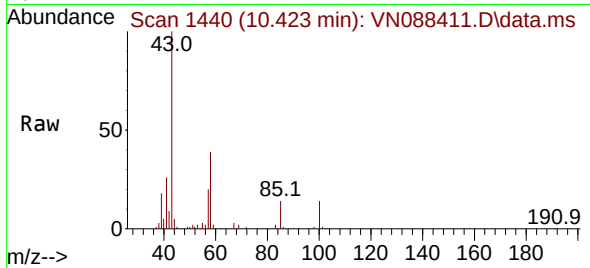
Tgt Ion: 98	Resp: 645158
Ion Ratio	Lower Upper
98	100
100	63.7 52.2 78.2





#51
4-Methyl-2-Pentanone
Concen: 12.665 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

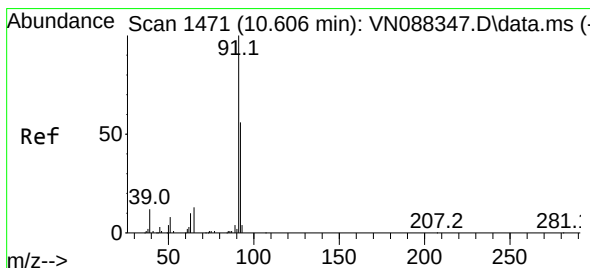
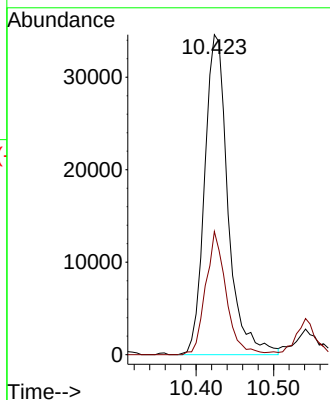
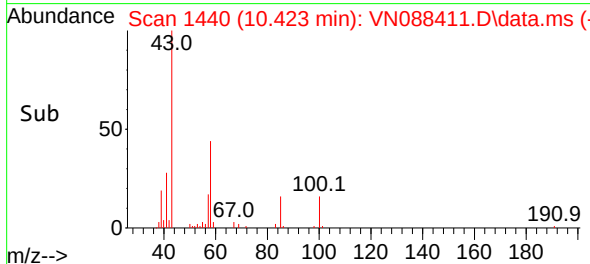
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 43 Resp: 72508
Ion Ratio Lower Upper
43 100
58 33.7 29.1 43.7

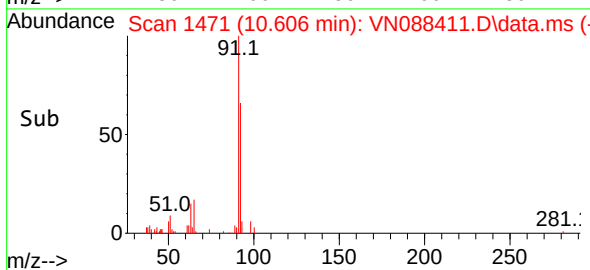
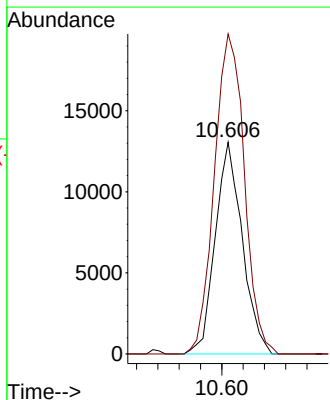
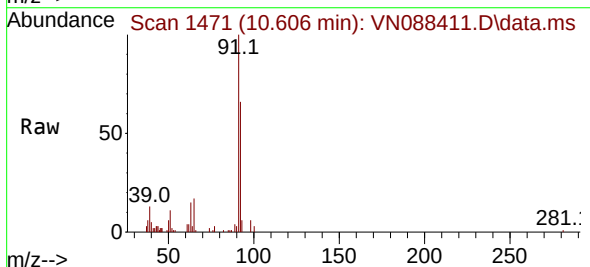
Manual Integrations
APPROVED

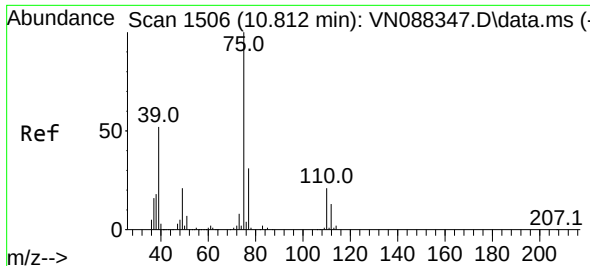
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#52
Toluene
Concen: 2.803 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

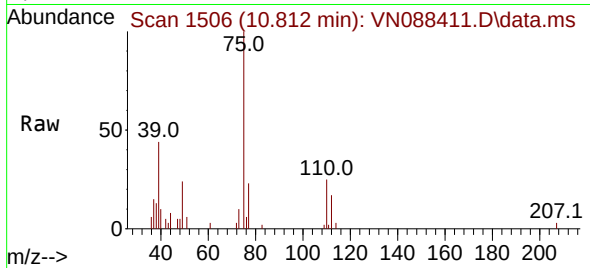
Tgt Ion: 92 Resp: 22970
Ion Ratio Lower Upper
92 100
91 167.9 140.2 210.2





#53
t-1,3-Dichloropropene
Concen: 2.546 ug/l
RT: 10.812 min Scan# 110
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

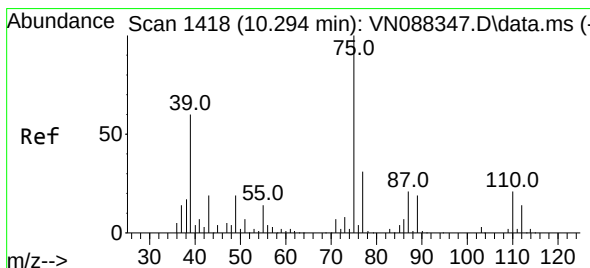
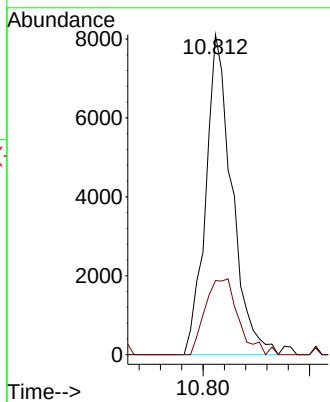
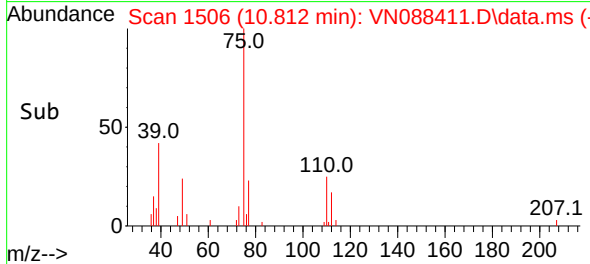
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 75 Resp: 1383
Ion Ratio Lower Upper
75 100
77 23.1 24.8 37.2

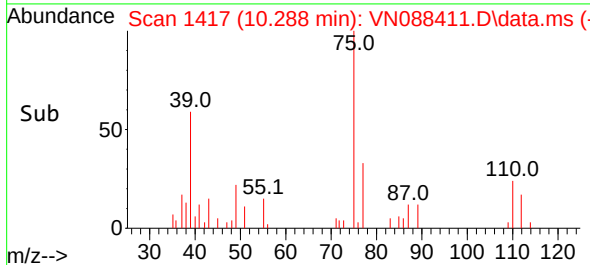
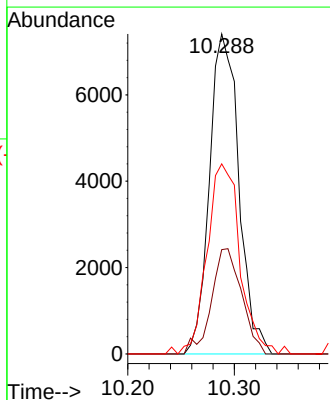
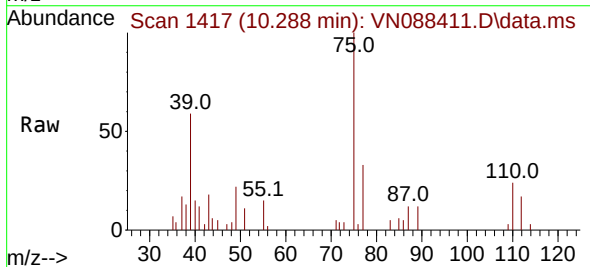
Manual Integrations
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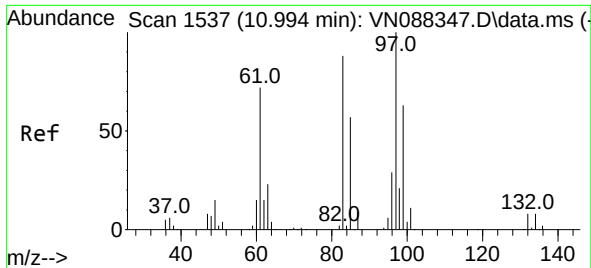
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#54
cis-1,3-Dichloropropene
Concen: 2.486 ug/l
RT: 10.288 min Scan# 1417
Delta R.T. -0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

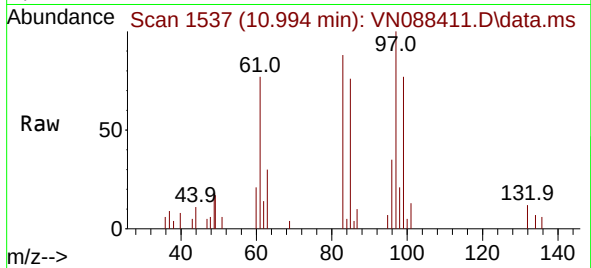
Tgt Ion: 75 Resp: 14207
Ion Ratio Lower Upper
75 100
77 32.6 24.5 36.7
39 59.4 48.3 72.5





#55
1,1,2-Trichloroethane
Concen: 2.654 ug/l
RT: 10.994 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

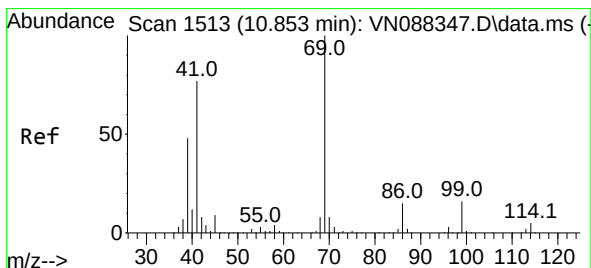
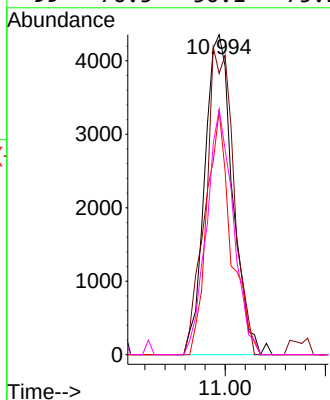
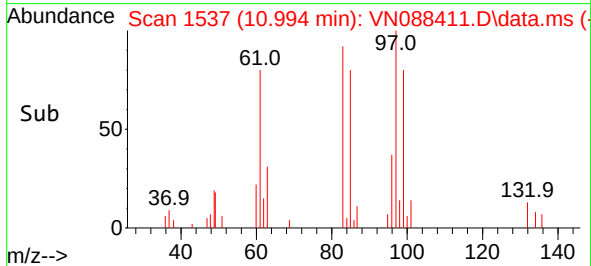
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



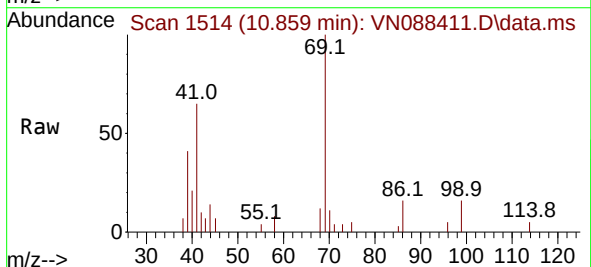
Tgt Ion: 97 Resp: 8414
Ion Ratio Lower Upper
97 100
83 87.9 70.4 105.6
85 76.1 45.4 68.2
99 76.5 50.1 75.1#

Manual Integrations
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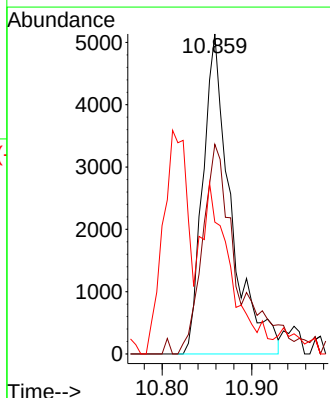
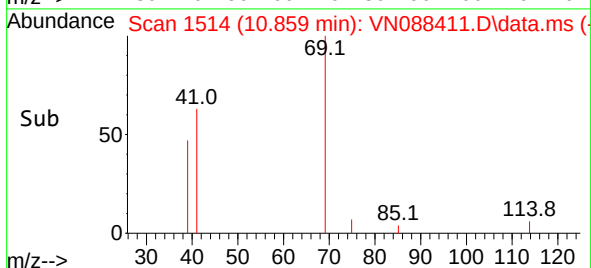
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

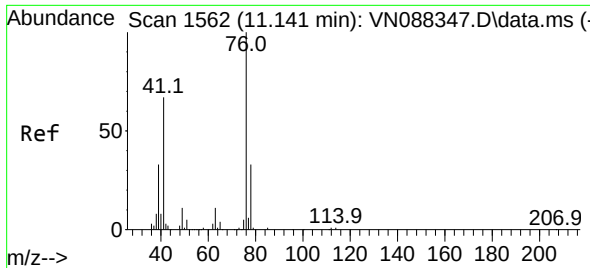


#56
Ethyl methacrylate
Concen: 2.229 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03



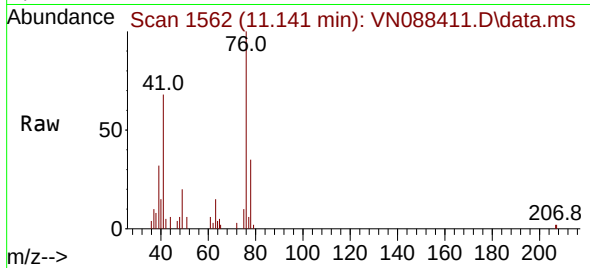
Tgt Ion: 69 Resp: 11160
Ion Ratio Lower Upper
69 100
41 81.0 59.6 89.4
39 56.4 36.4 54.6#





#57
1,3-Dichloropropane
Concen: 2.801 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

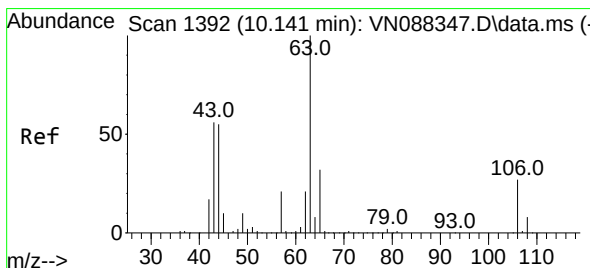
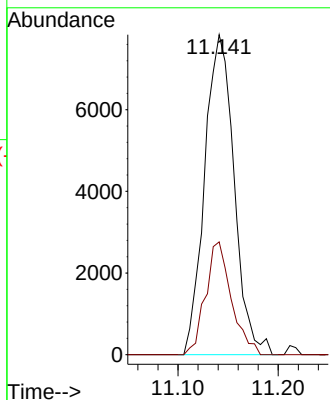
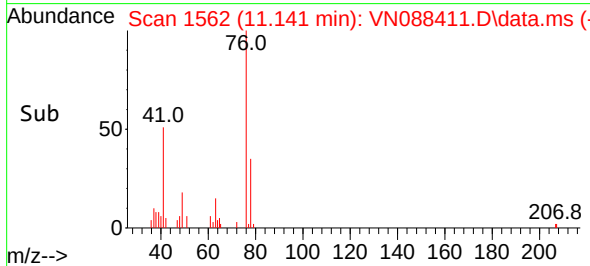
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 76 Resp: 16020
Ion Ratio Lower Upper
76 100
78 30.9 26.2 39.4

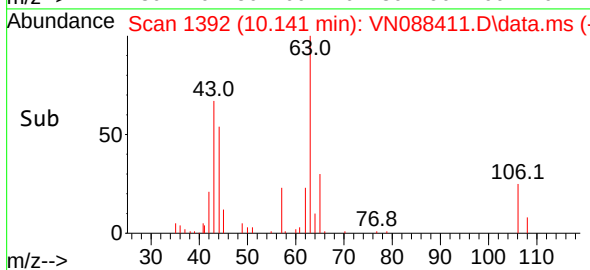
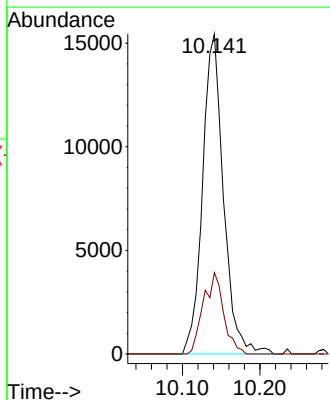
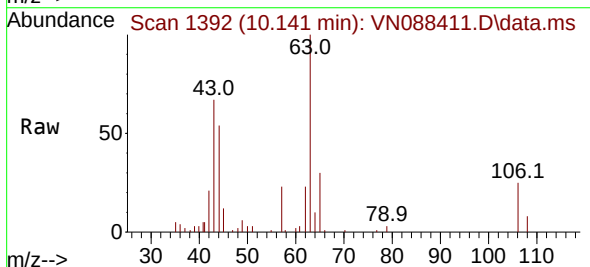
Manual Integrations
APPROVED

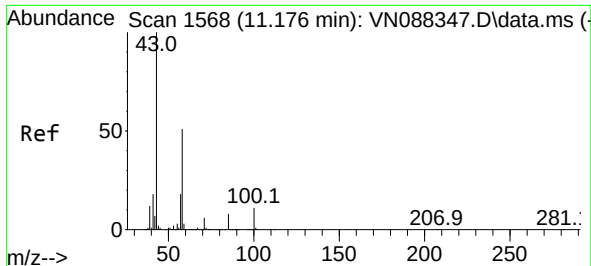
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#58
2-Chloroethyl Vinyl ether
Concen: 10.035 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

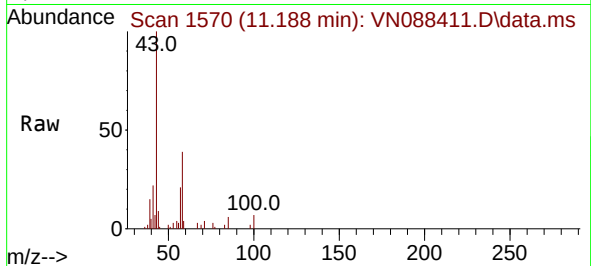
Tgt Ion: 63 Resp: 28971
Ion Ratio Lower Upper
63 100
106 24.6 20.5 30.7





#59
2-Hexanone
Concen: 13.057 ug/l m
RT: 11.188 min Scan# 1568
Delta R.T. 0.012 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

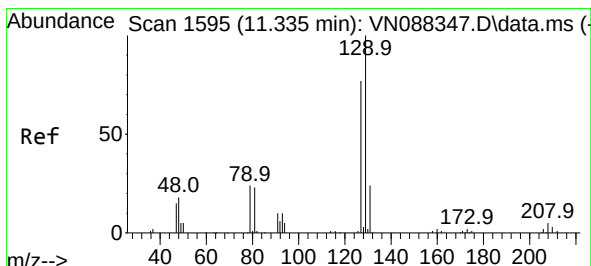
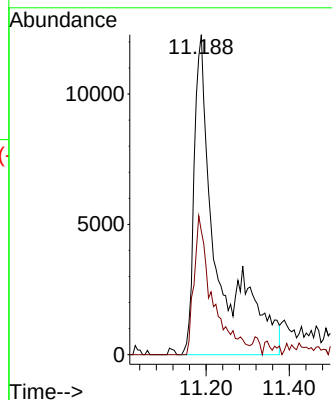
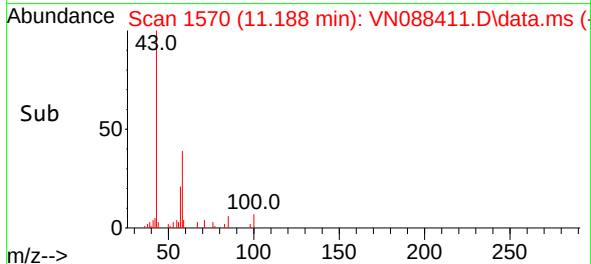
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 43 Resp: 47090
Ion Ratio Lower Upper
43 100
58 34.8 25.3 75.9

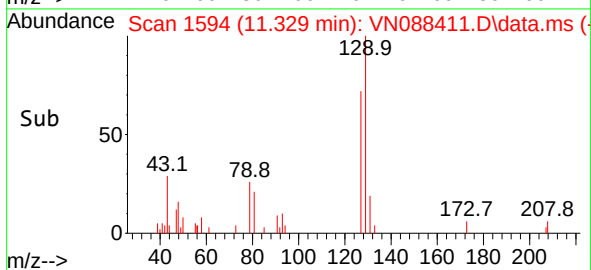
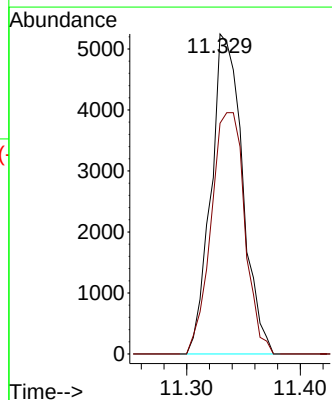
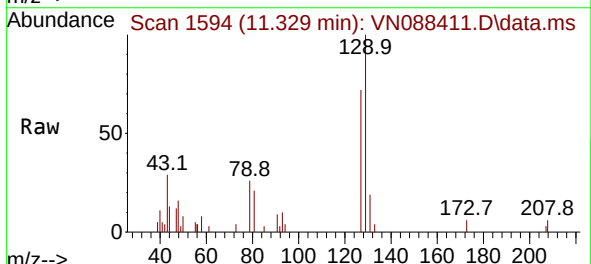
Manual Integrations
APPROVED

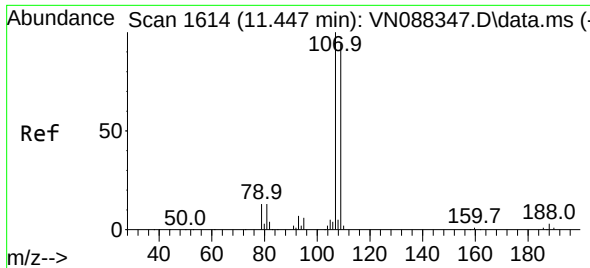
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#60
Dibromochloromethane
Concen: 2.792 ug/l
RT: 11.329 min Scan# 1594
Delta R.T. -0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

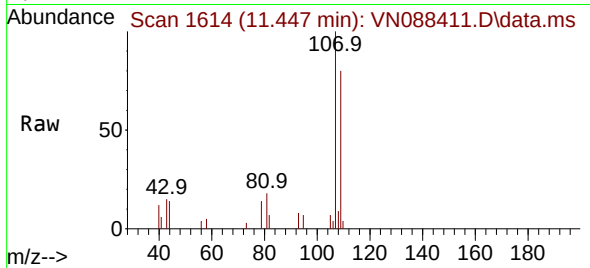
Tgt Ion:129 Resp: 10090
Ion Ratio Lower Upper
129 100
127 80.7 38.2 114.6





#61
1,2-Dibromoethane
Concen: 2.714 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

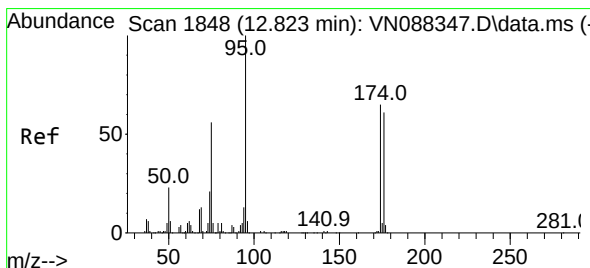
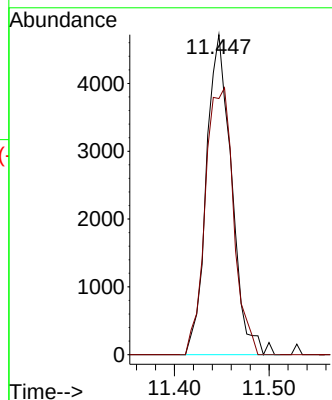
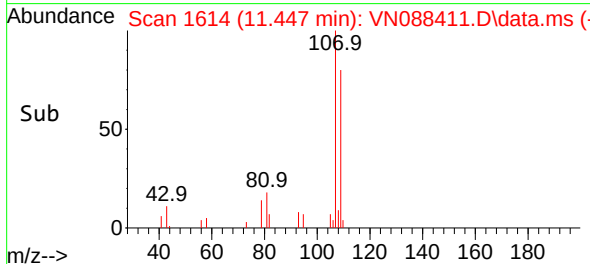
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



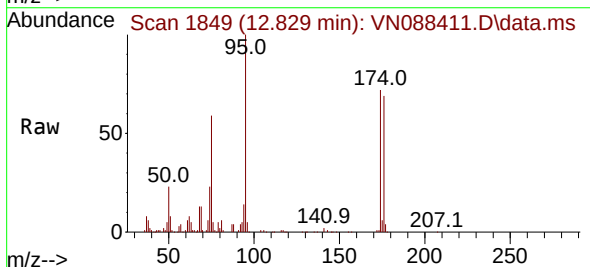
Tgt Ion:107 Resp: 871
Ion Ratio Lower Upper
107 100
109 93.4 74.6 112.0

Manual Integrations
APPROVED

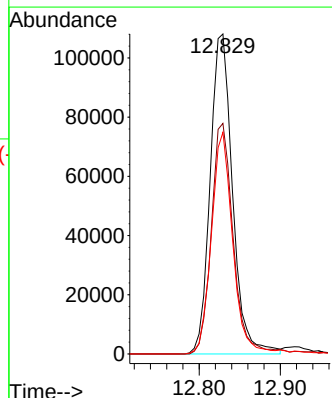
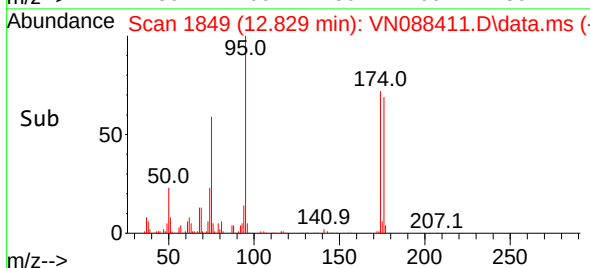
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

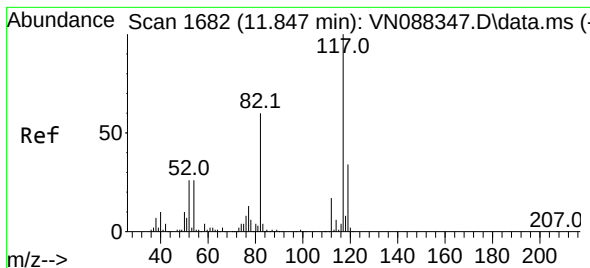


#62
4-Bromofluorobenzene
Concen: 51.752 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03



Tgt Ion: 95 Resp: 206977
Ion Ratio Lower Upper
95 100
174 71.5 0.0 139.0
176 66.4 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088411.D

Acq: 02 Dec 2025 16:03

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

Tgt Ion:117 Resp: 40696

Ion Ratio Lower Upper

117 100

82 60.4 47.8 71.8

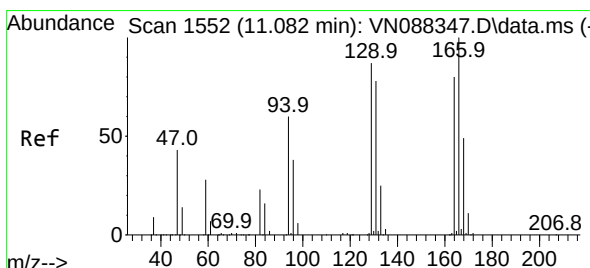
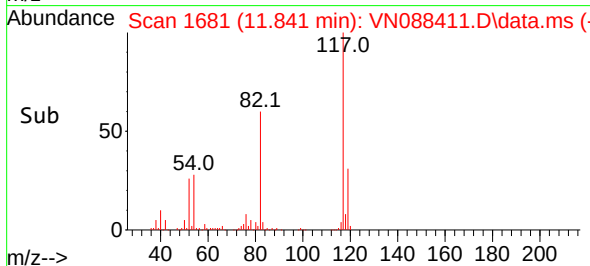
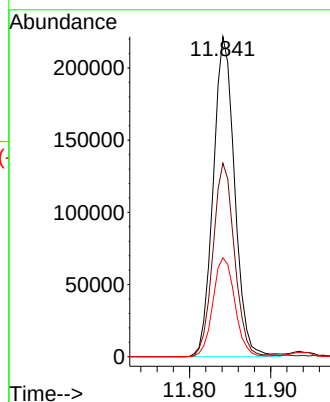
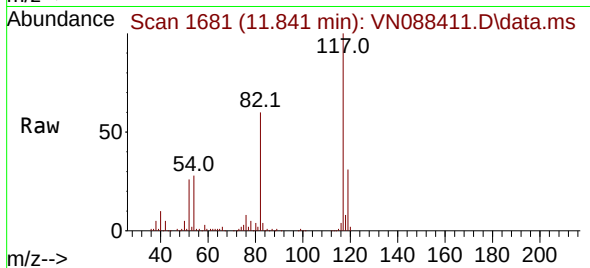
119 30.9 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#64

Tetrachloroethene

Concen: 2.311 ug/l

RT: 11.076 min Scan# 1551

Delta R.T. -0.006 min

Lab File: VN088411.D

Acq: 02 Dec 2025 16:03

Tgt Ion:164 Resp: 7457

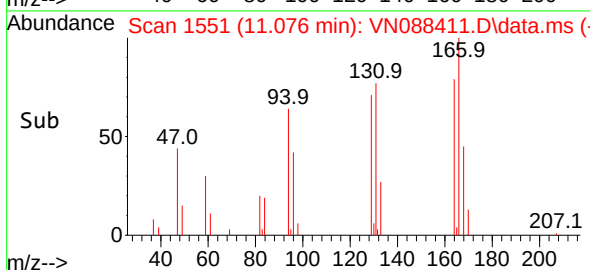
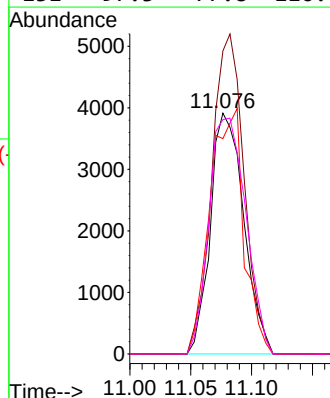
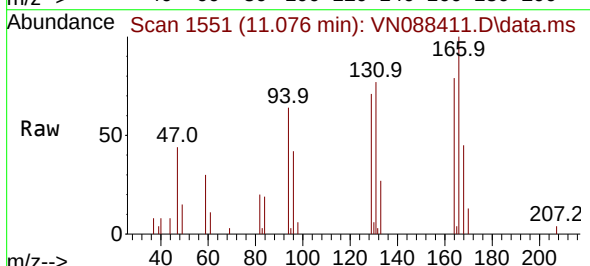
Ion Ratio Lower Upper

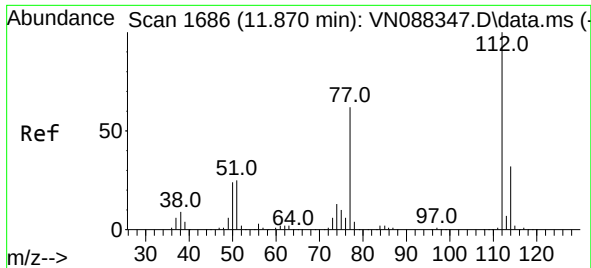
164 100

166 125.8 99.6 149.4

129 89.4 86.6 129.8

131 97.3 77.8 116.6





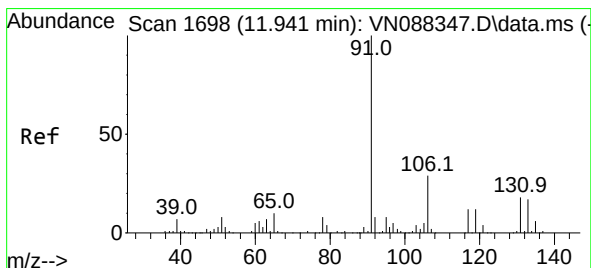
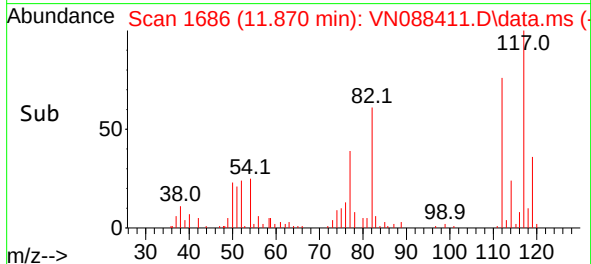
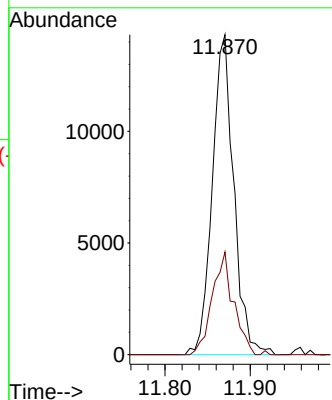
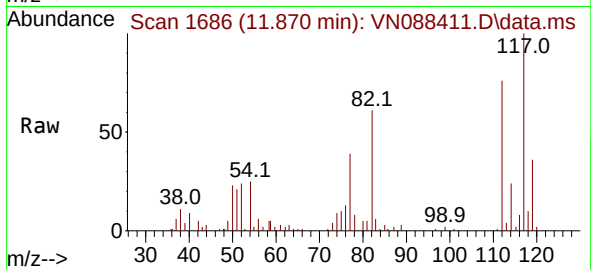
#65
Chlorobenzene
Concen: 2.744 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:112 Resp: 25080
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2

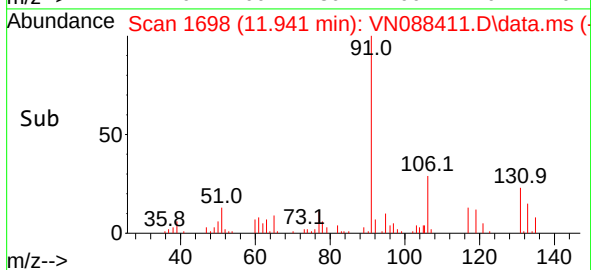
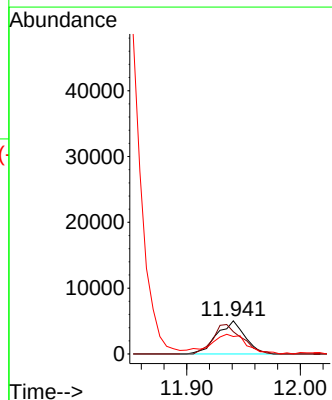
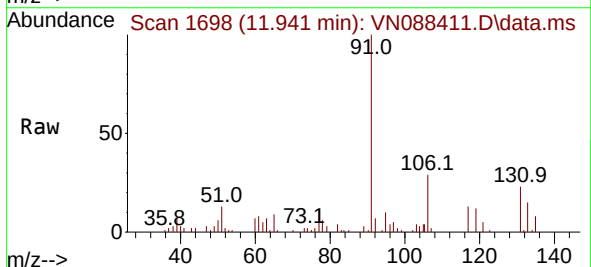
Manual Integrations
APPROVED

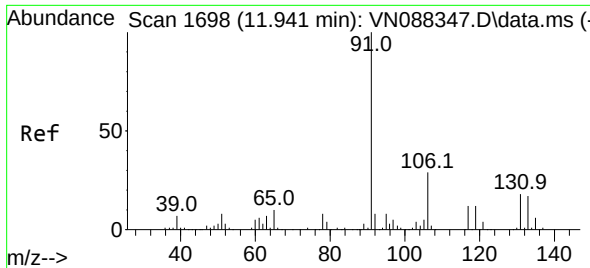
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 2.785 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Tgt Ion:131 Resp: 8587
Ion Ratio Lower Upper
131 100
133 92.0 47.4 142.2
119 76.6 33.4 100.1





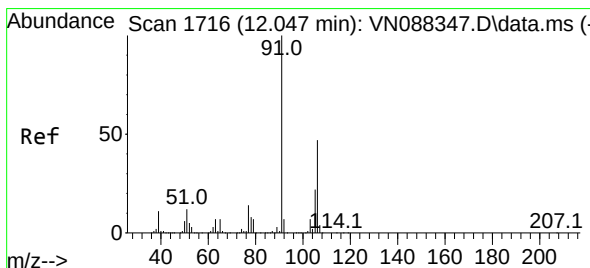
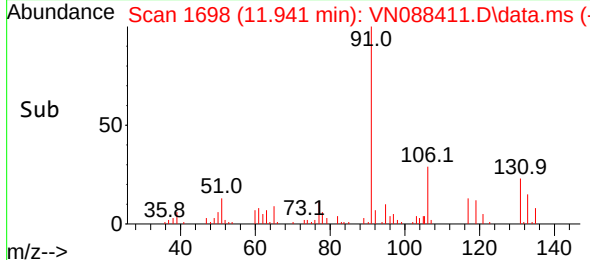
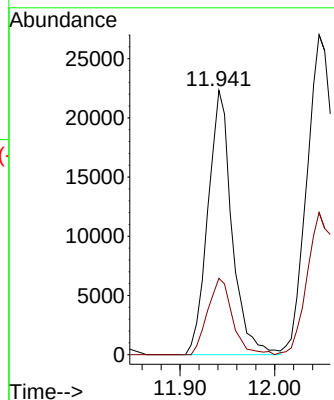
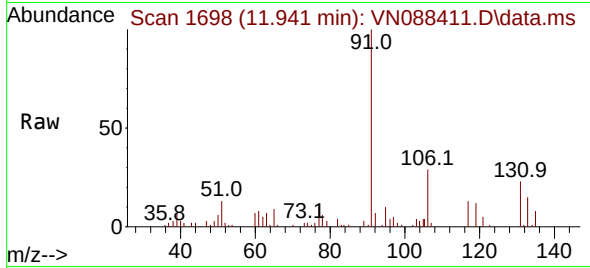
#67
Ethyl Benzene
Concen: 2.461 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 91 Resp: 39320
Ion Ratio Lower Upper
91 100
106 28.9 23.6 35.4

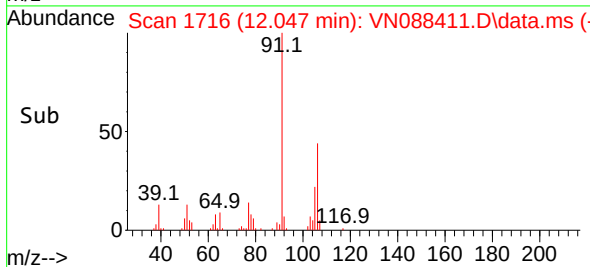
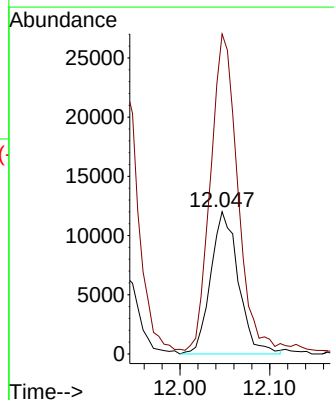
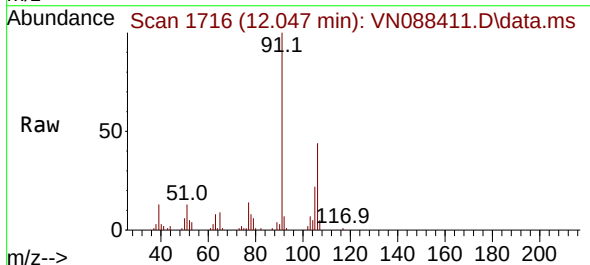
Manual Integrations
APPROVED

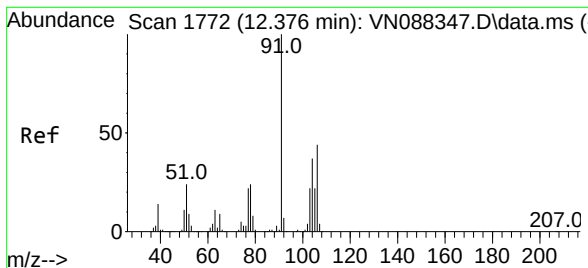
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#68
m/p-Xylenes
Concen: 4.353 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Tgt Ion:106 Resp: 25788
Ion Ratio Lower Upper
106 100
91 223.3 167.8 251.6





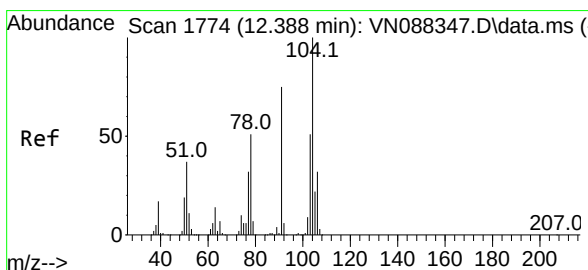
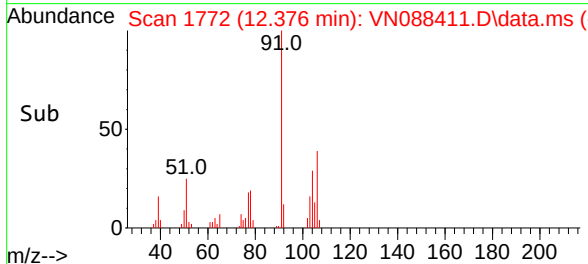
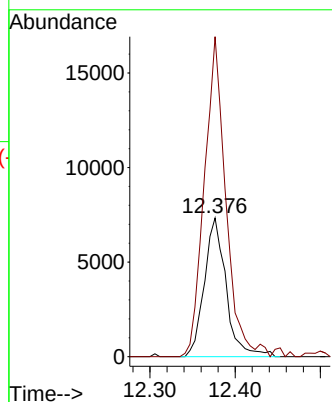
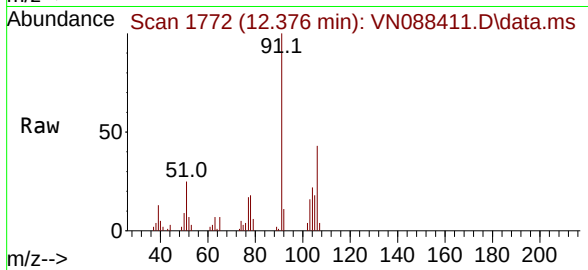
#69
o-Xylene
Concen: 2.305 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:106 Resp: 1301
Ion Ratio Lower Upper
106 100
91 227.5 112.9 338.7

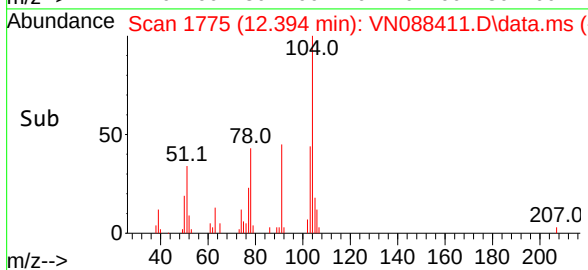
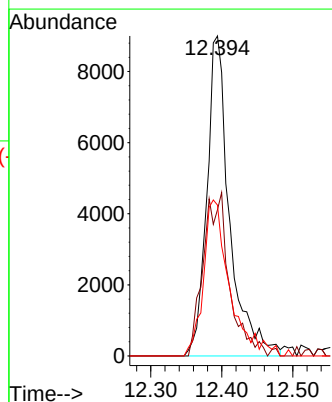
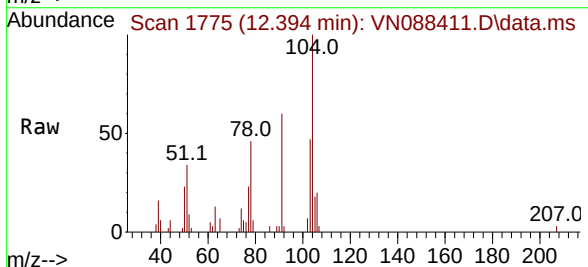
Manual Integrations
APPROVED

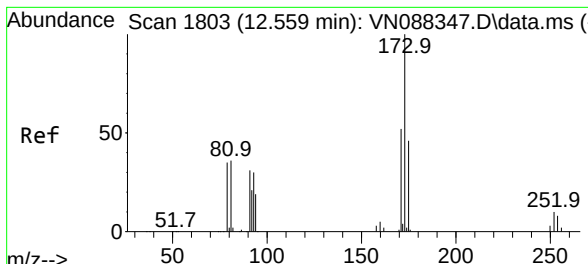
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#70
Styrene
Concen: 2.190 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

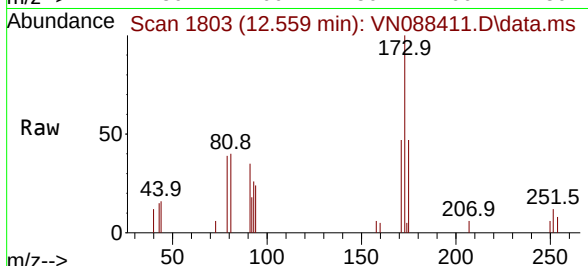
Tgt Ion:104 Resp: 20082
Ion Ratio Lower Upper
104 100
78 58.4 44.3 66.5
103 55.9 44.2 66.4





#71
Bromoform
Concen: 2.749 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

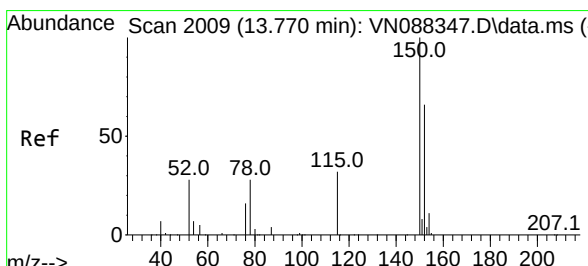
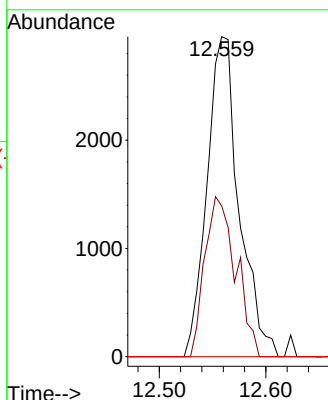
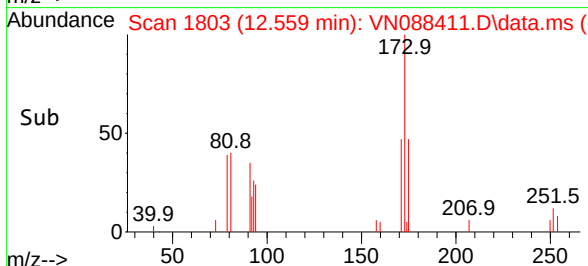
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



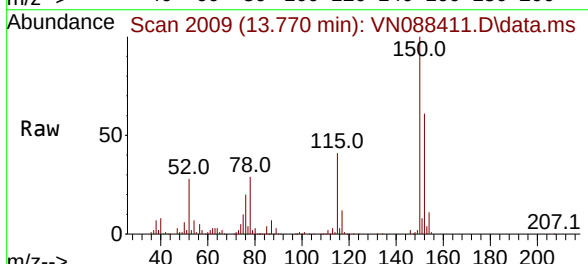
Tgt Ion:173 Resp: 6208
Ion Ratio Lower Upper
173 100
175 48.2 23.9 71.8
254 0.0 0.1 0.1

Manual Integrations
APPROVED

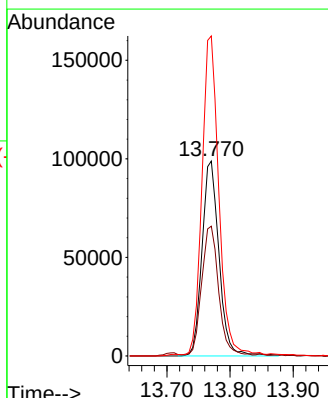
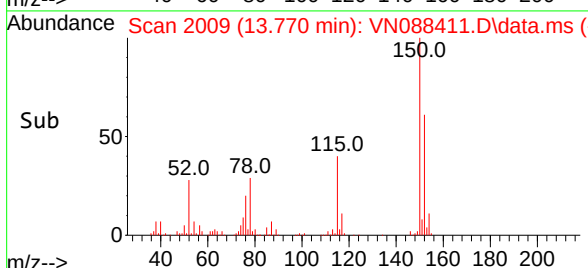
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

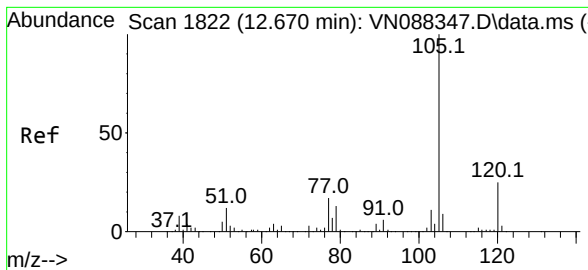


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03



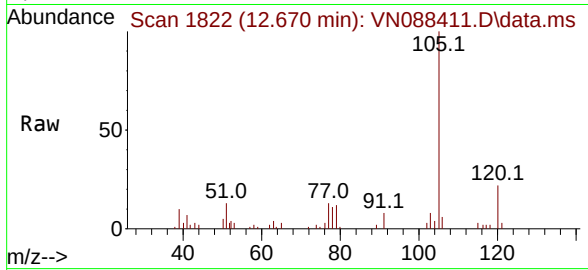
Tgt Ion:152 Resp: 184221
Ion Ratio Lower Upper
152 100
115 65.9 33.0 98.9
150 160.9 0.0 349.0





#73
Isopropylbenzene
Concen: 2.192 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

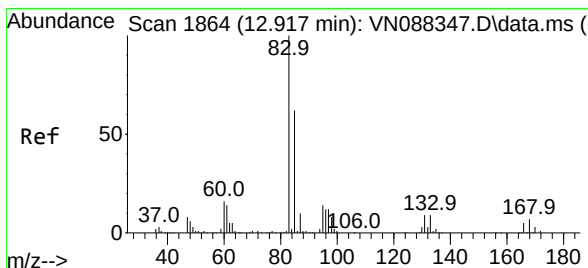
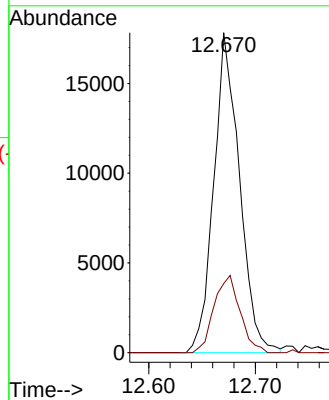
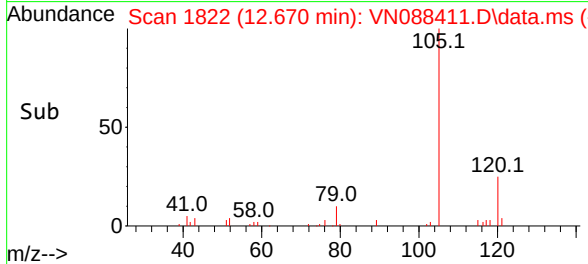
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



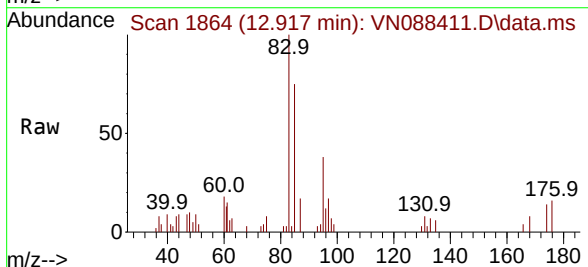
Tgt Ion:105 Resp: 29860
Ion Ratio Lower Upper
105 100
120 24.5 12.8 38.3

Manual Integrations
APPROVED

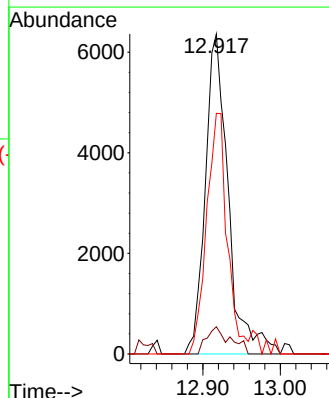
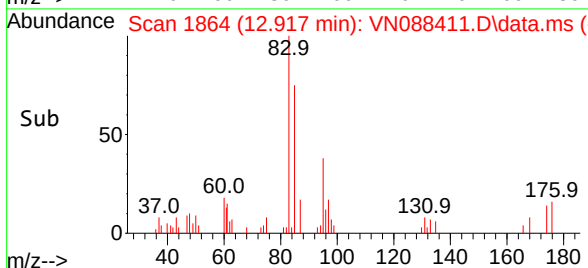
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

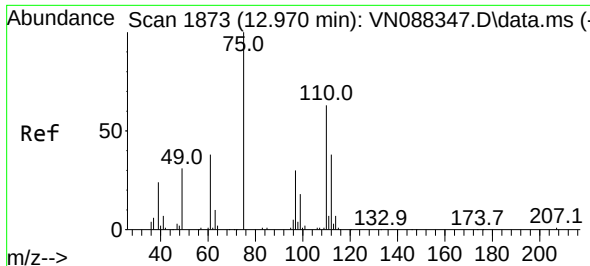


#75
1,1,2,2-Tetrachloroethane
Concen: 2.979 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03



Tgt Ion: 83 Resp: 13118
Ion Ratio Lower Upper
83 100
131 8.8 4.8 14.4
85 67.3 32.1 96.5





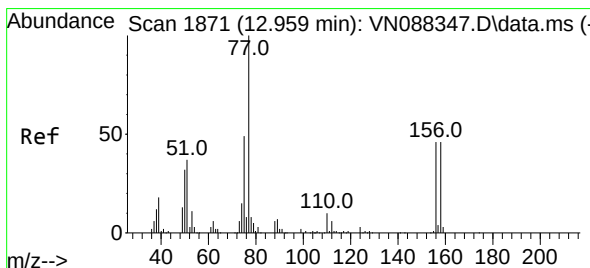
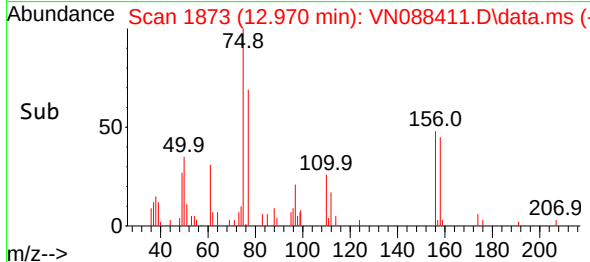
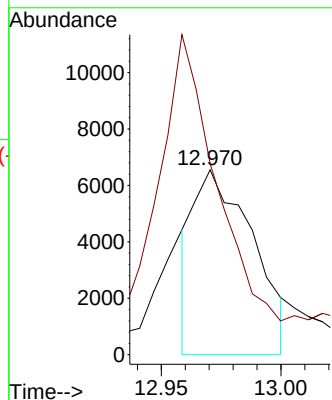
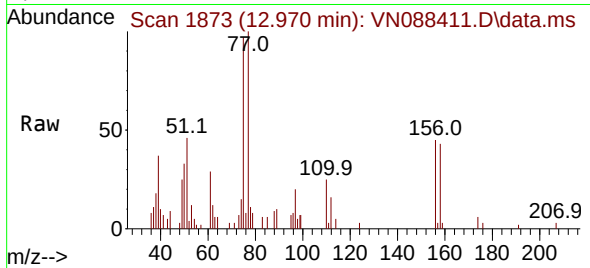
#76
1,2,3-Trichloropropane
Concen: 2.614 ug/l m
RT: 12.970 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 75 Resp: 11279
Ion Ratio Lower Upper
75 100
77 196.8 87.2 261.6

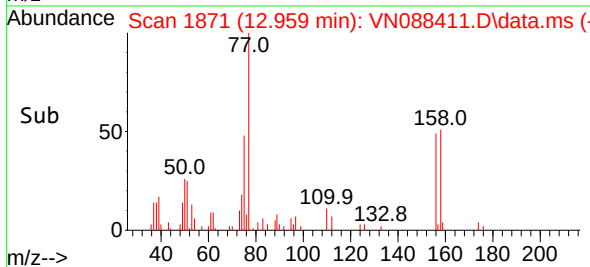
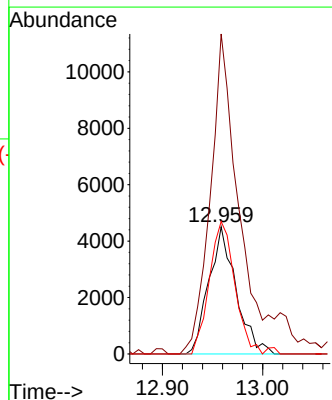
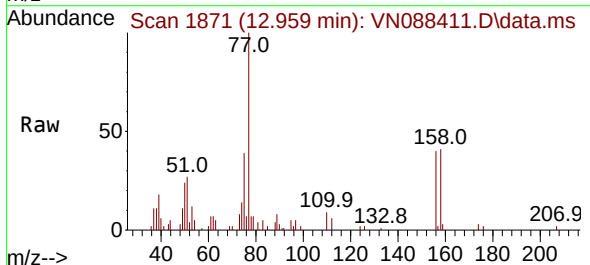
Manual Integrations
APPROVED

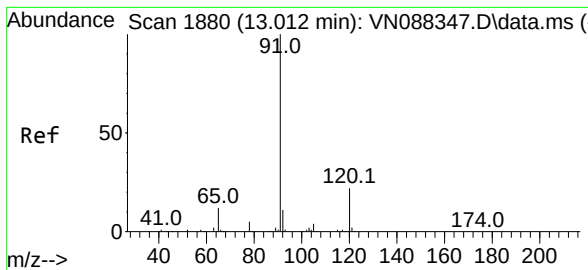
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#77
Bromobenzene
Concen: 2.730 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Tgt Ion:156 Resp: 8508
Ion Ratio Lower Upper
156 100
77 260.9 121.6 364.7
158 97.3 48.6 145.8





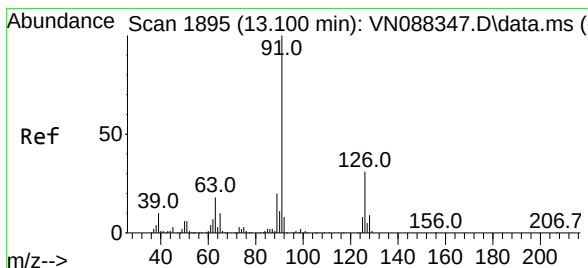
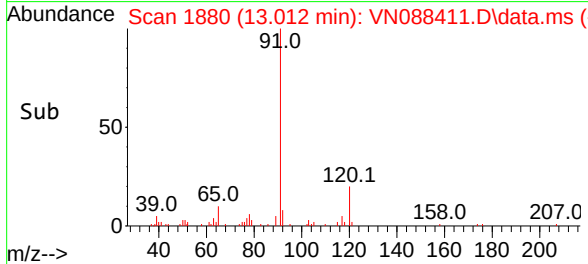
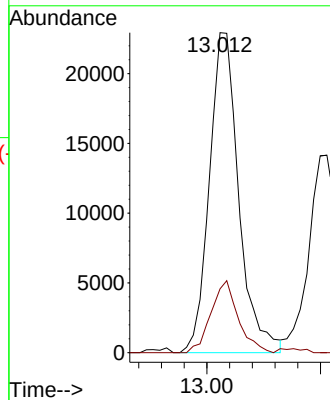
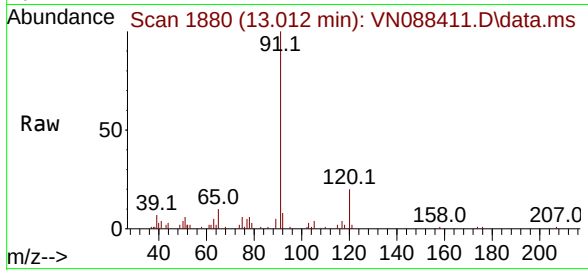
#78
n-propylbenzene
Concen: 2.479 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 91 Resp: 4131
Ion Ratio Lower Upper
91 100
120 20.8 10.9 32.6

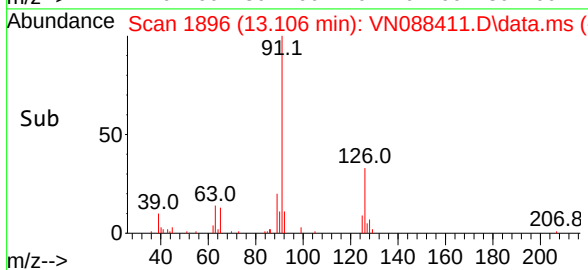
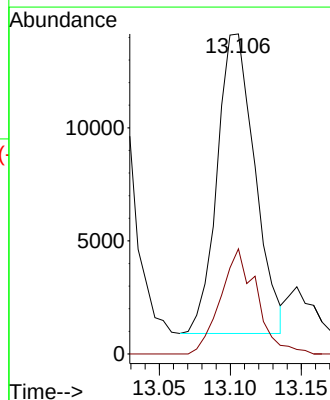
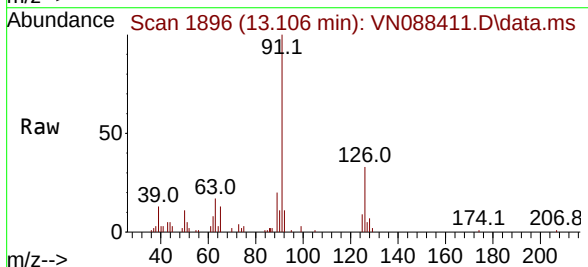
Manual Integrations
APPROVED

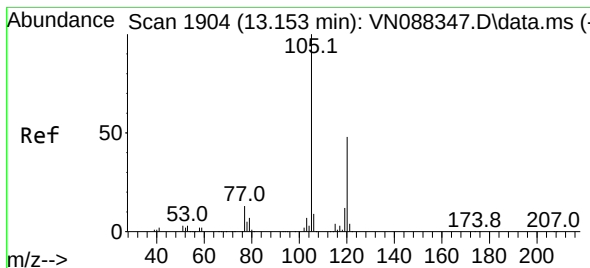
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#79
2-Chlorotoluene
Concen: 2.405 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Tgt Ion: 91 Resp: 24469
Ion Ratio Lower Upper
91 100
126 33.8 15.3 45.9





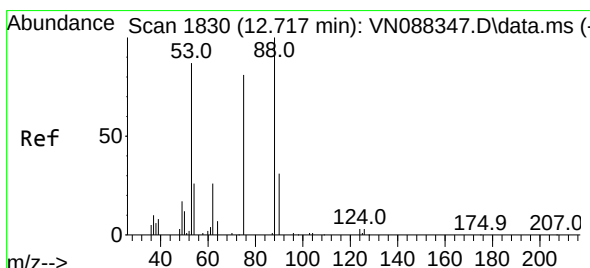
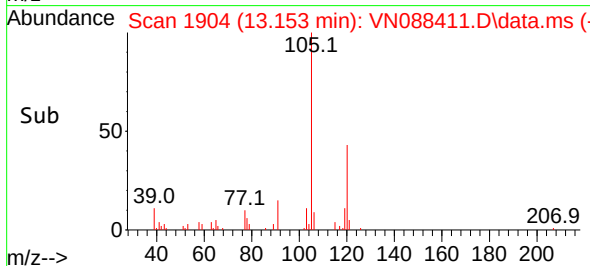
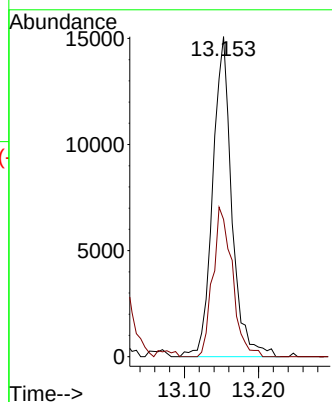
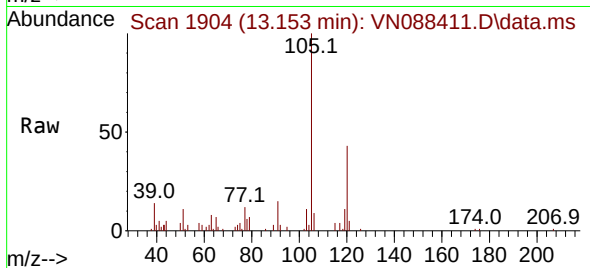
#80
1,3,5-Trimethylbenzene
Concen: 2.394 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:105 Resp: 27010
Ion Ratio Lower Upper
105 100
120 47.6 23.8 71.5

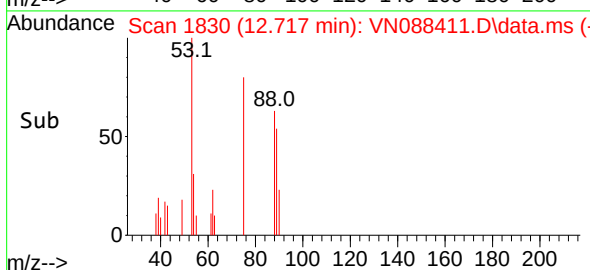
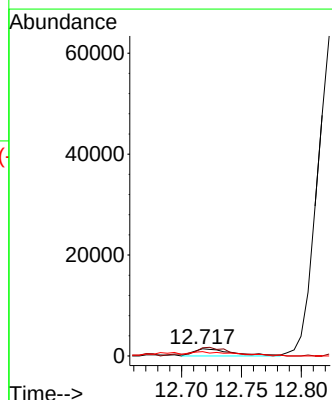
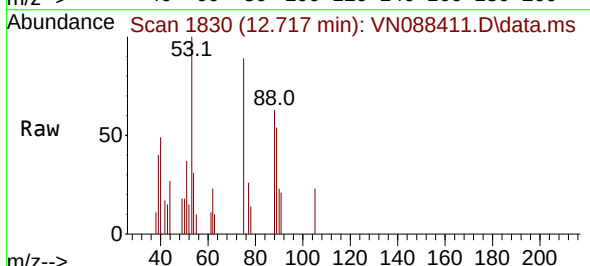
Manual Integrations
APPROVED

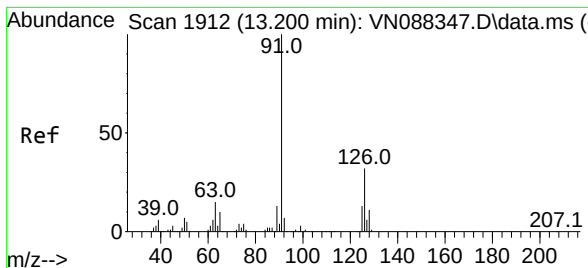
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#81
trans-1,4-Dichloro-2-butene
Concen: 2.107 ug/l m
RT: 12.717 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Tgt Ion: 75 Resp: 3205
Ion Ratio Lower Upper
75 100
53 12.0 92.2 138.4#
89 0.0 0.0 0.0





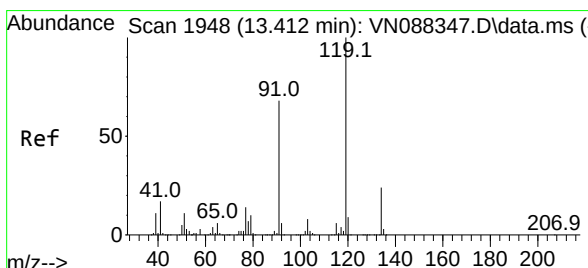
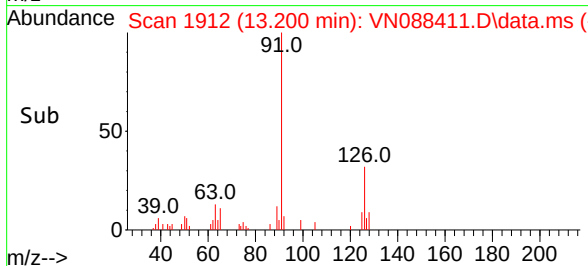
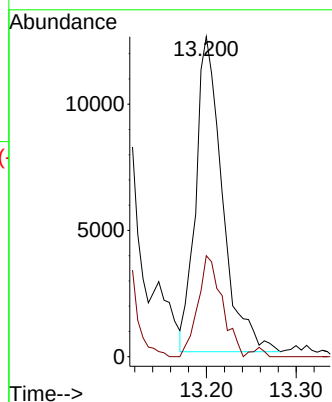
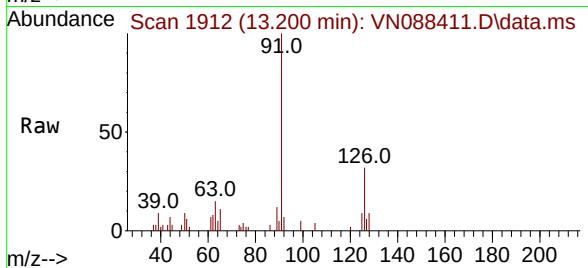
#82
4-Chlorotoluene
Concen: 2.546 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 91 Resp: 25728
Ion Ratio Lower Upper
91 100
126 29.0 15.6 46.7

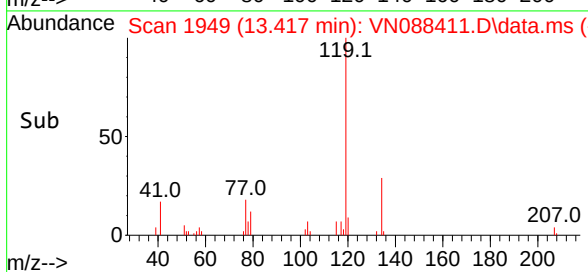
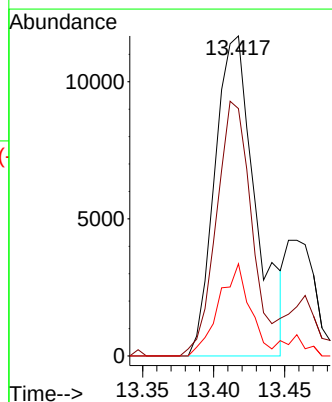
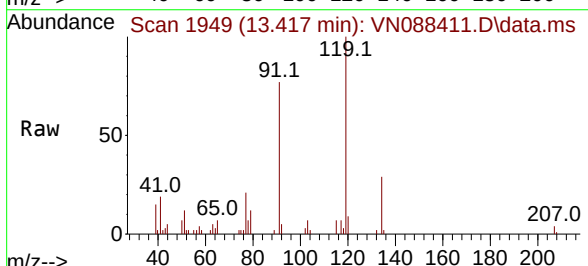
Manual Integrations
APPROVED

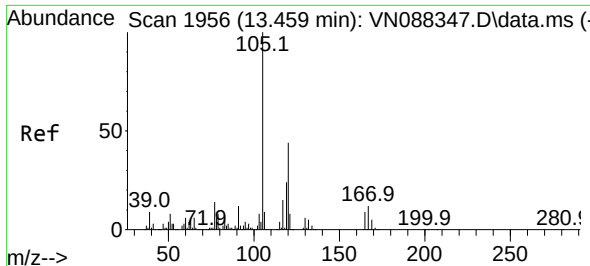
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#83
tert-Butylbenzene
Concen: 2.413 ug/l
RT: 13.417 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

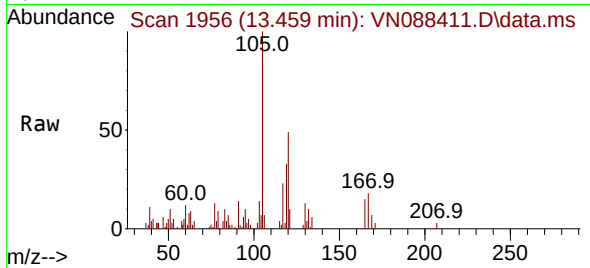
Tgt Ion:119 Resp: 23152
Ion Ratio Lower Upper
119 100
91 68.6 35.1 105.3
134 22.3 12.8 38.4





#84
1,2,4-Trimethylbenzene
Concen: 2.243 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

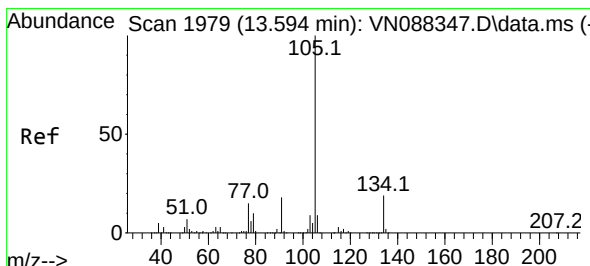
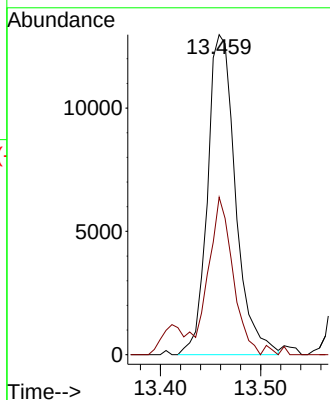
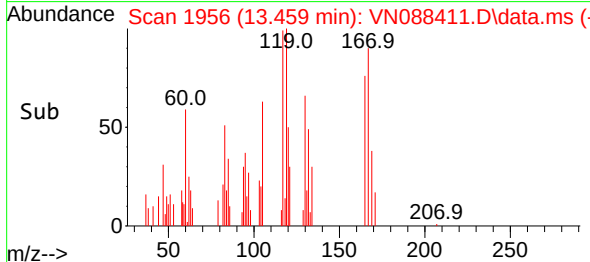
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



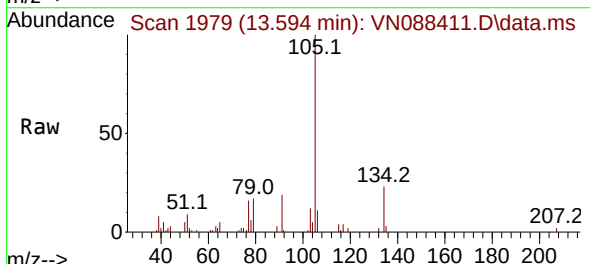
Tgt Ion:105 Resp: 2516
Ion Ratio Lower Upper
105 100
120 41.7 22.1 66.1

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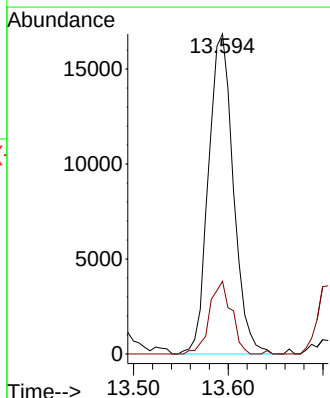
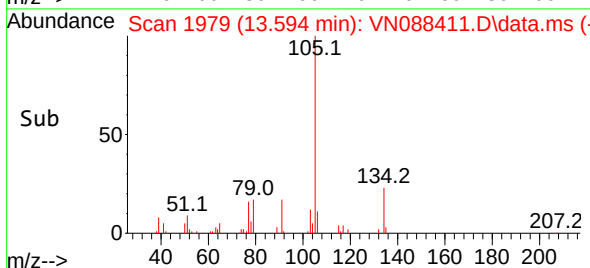
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

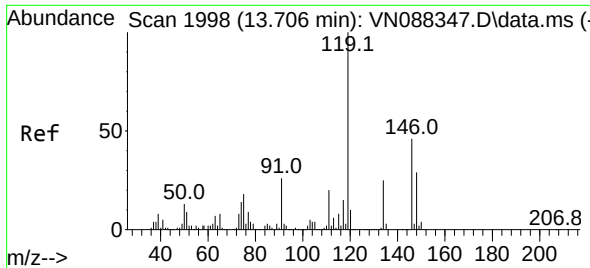


#85
sec-Butylbenzene
Concen: 2.239 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03



Tgt Ion:105 Resp: 30865
Ion Ratio Lower Upper
105 100
134 20.0 9.5 28.5





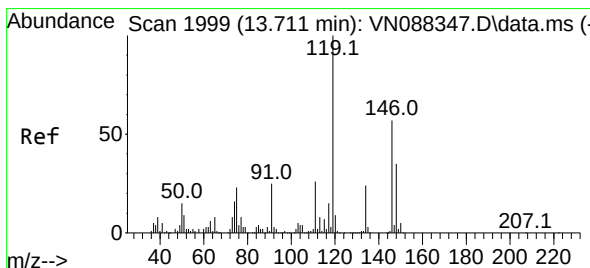
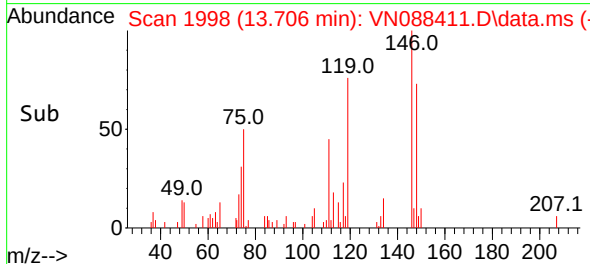
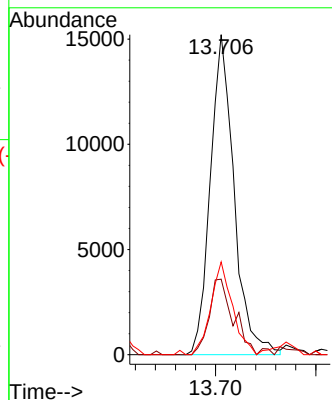
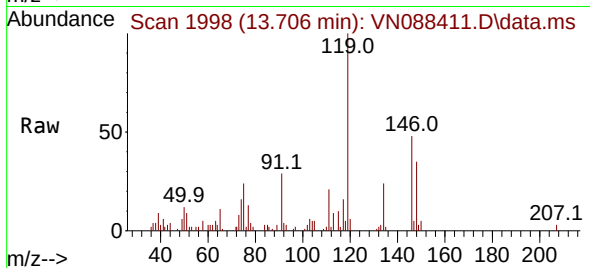
#86
p-Isopropyltoluene
Concen: 2.214 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:119 Resp: 25020
Ion Ratio Lower Upper
119 100
134 24.8 12.2 36.6
91 26.4 13.0 39.0

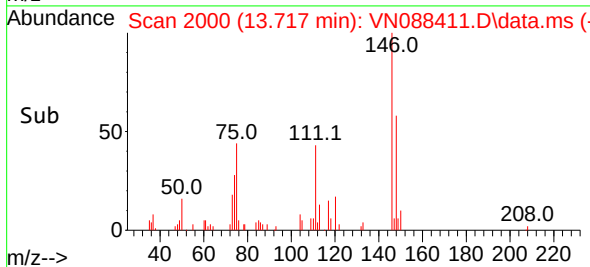
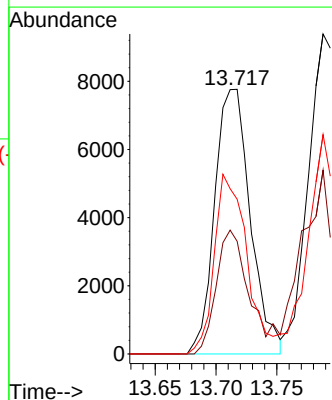
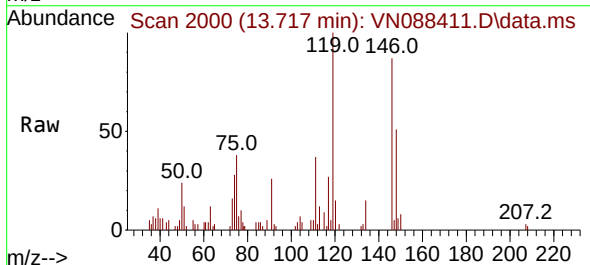
Manual Integrations
APPROVED

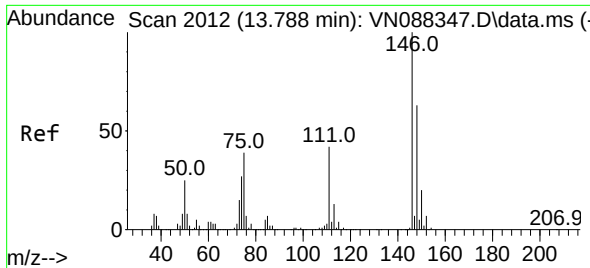
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#87
1,3-Dichlorobenzene
Concen: 2.610 ug/l
RT: 13.717 min Scan# 2000
Delta R.T. 0.006 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Tgt Ion:146 Resp: 15833
Ion Ratio Lower Upper
146 100
111 41.3 22.4 67.0
148 61.4 31.6 94.8





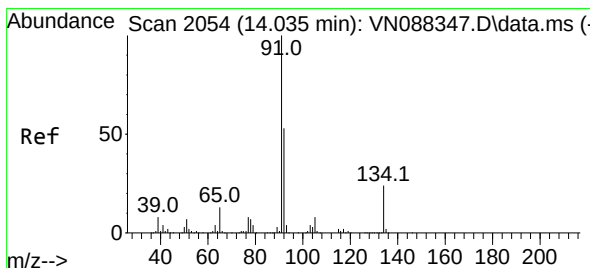
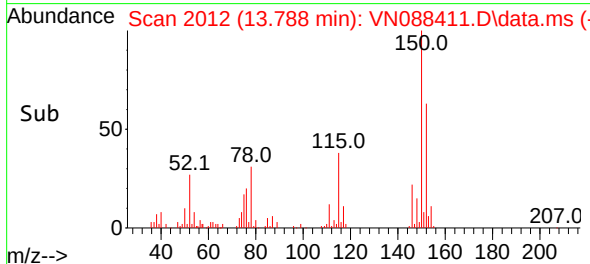
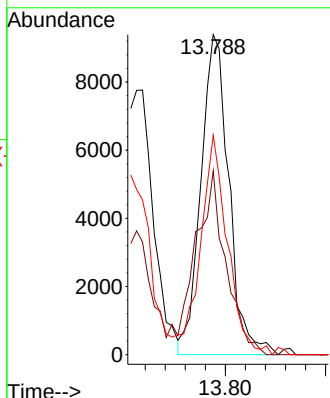
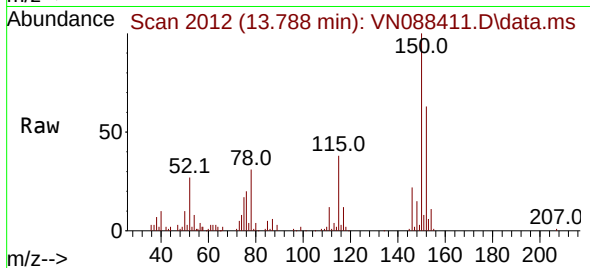
#88
1,4-Dichlorobenzene
Concen: 2.864 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

Tgt Ion:146 Resp: 18199
Ion Ratio Lower Upper
146 100
111 61.4 21.6 64.6
148 66.4 31.0 93.0

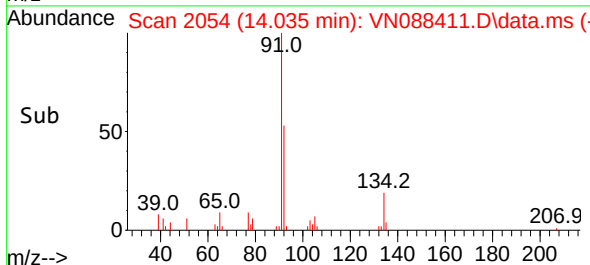
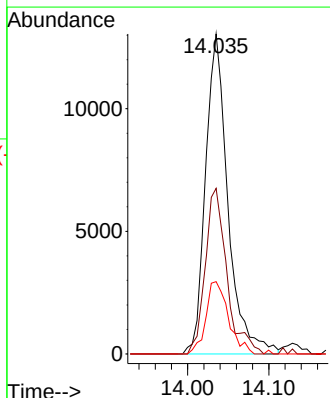
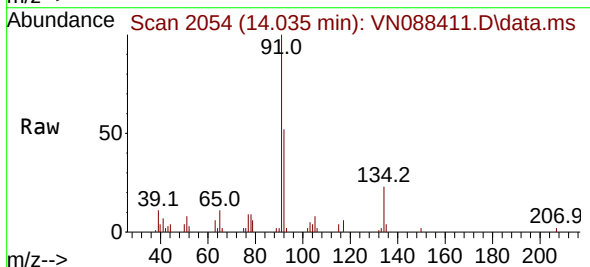
Manual Integrations
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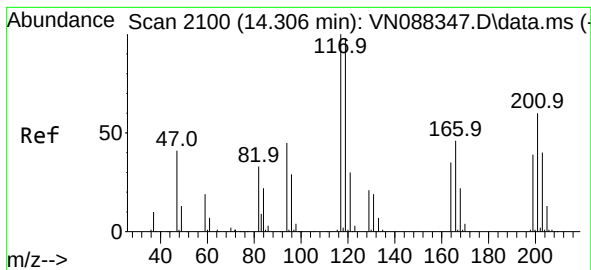
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#89
n-Butylbenzene
Concen: 2.277 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Tgt Ion: 91 Resp: 24989
Ion Ratio Lower Upper
91 100
92 49.8 26.1 78.3
134 22.7 11.7 35.1





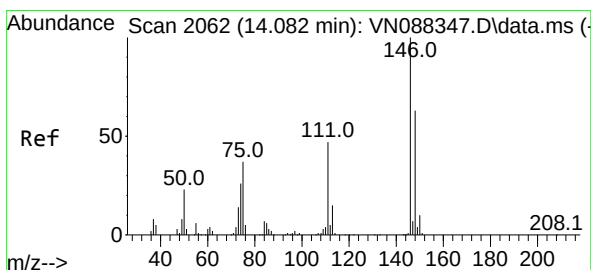
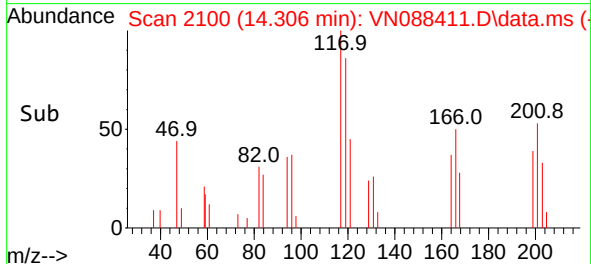
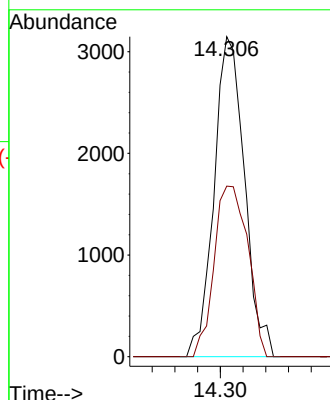
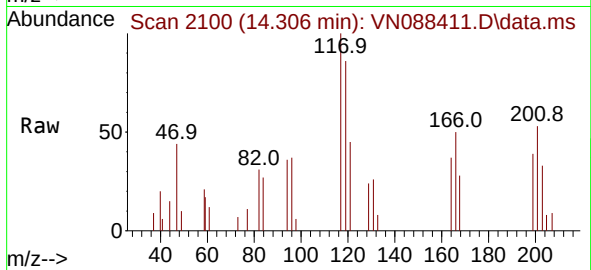
#90
Hexachloroethane
Concen: 2.837 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

Tgt Ion:117 Resp: 585
Ion Ratio Lower Upper
117 100
201 59.1 30.3 90.9

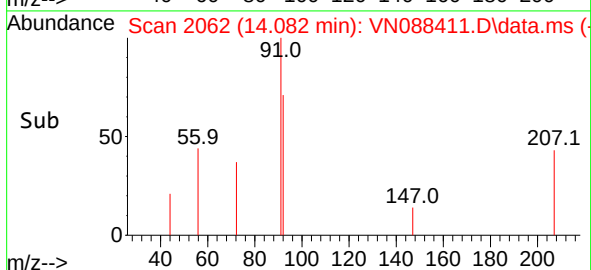
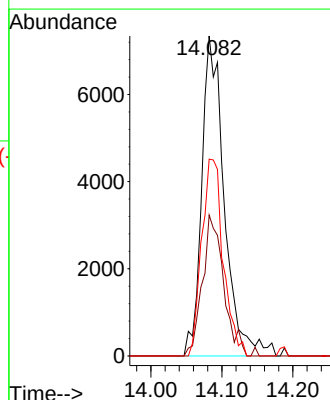
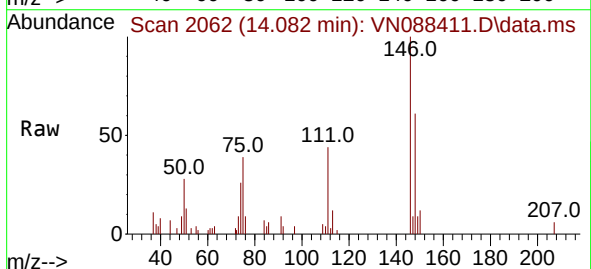
Manual Integrations
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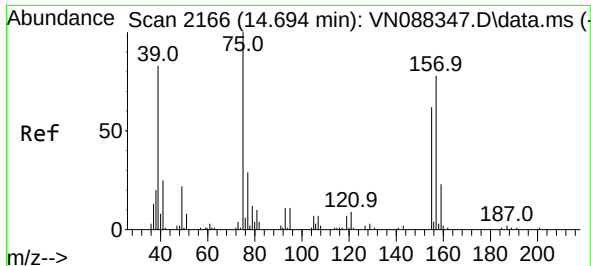
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#91
1,2-Dichlorobenzene
Concen: 2.842 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN088411.D
Acq: 02 Dec 2025 16:03

Tgt Ion:146 Resp: 16226
Ion Ratio Lower Upper
146 100
111 41.2 23.3 69.9
148 58.6 31.8 95.4





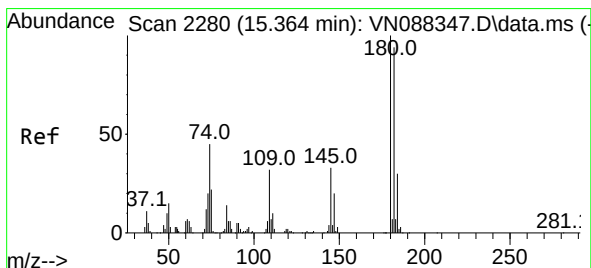
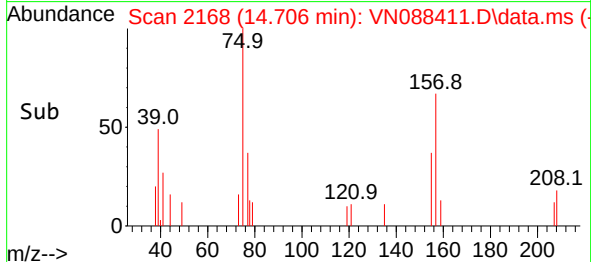
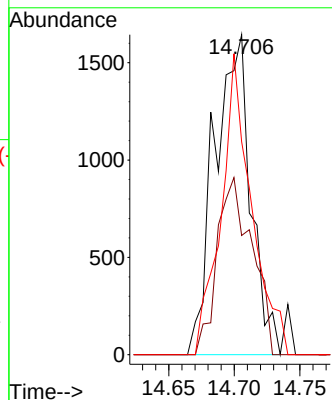
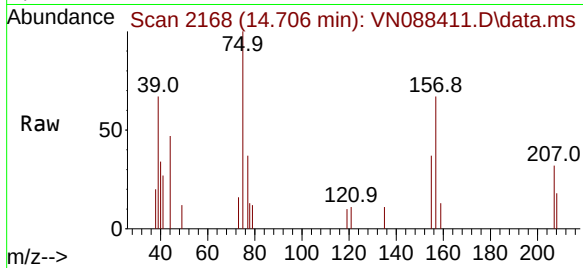
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.949 ug/l
 RT: 14.706 min Scan# 2166
 Delta R.T. 0.012 min
 Lab File: VN088411.D
 Acq: 02 Dec 2025 16:03

Instrument : MSVOA_N
 ClientSampleId : LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 75 Resp: 315
 Ion Ratio Lower Upper
 75 100
 155 53.6 33.7 101.1
 157 79.2 43.8 131.3

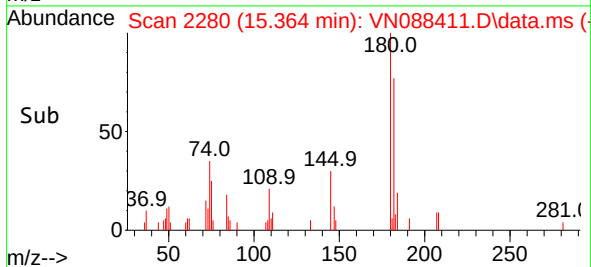
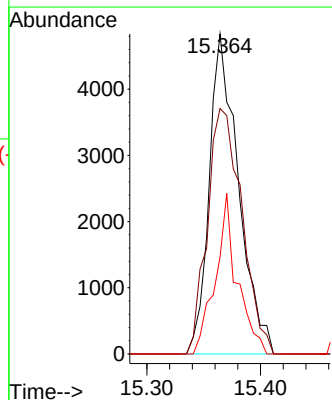
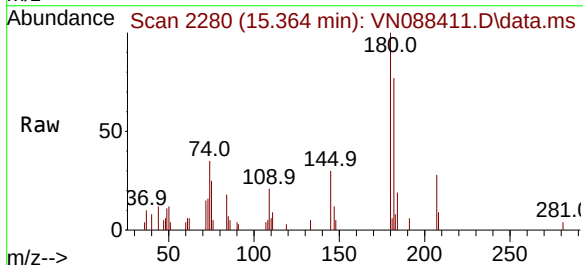
Manual Integrations
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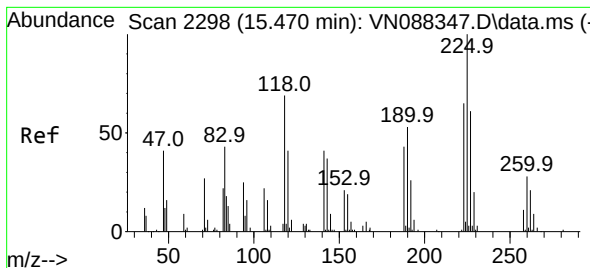
Reviewed By :John Carlone 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025



#93
 1,2,4-Trichlorobenzene
 Concen: 2.540 ug/l
 RT: 15.364 min Scan# 2280
 Delta R.T. 0.000 min
 Lab File: VN088411.D
 Acq: 02 Dec 2025 16:03

Tgt Ion:180 Resp: 8615
 Ion Ratio Lower Upper
 180 100
 182 90.7 46.1 138.2
 145 37.4 16.7 50.1





#94

Hexachlorobutadiene

Concen: 2.720 ug/l

RT: 15.476 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VN088411.D

Acq: 02 Dec 2025 16:03

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

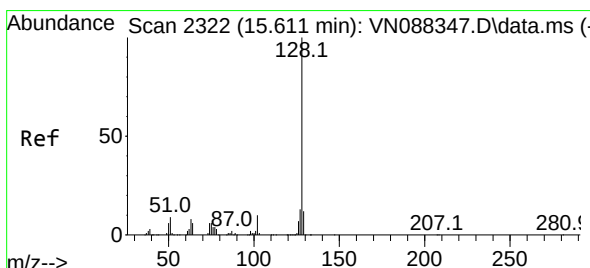
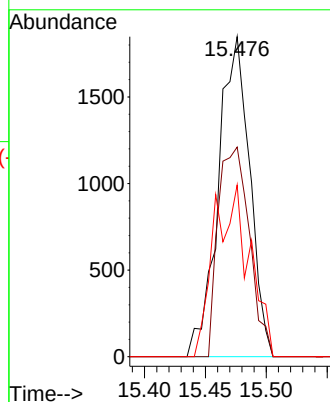
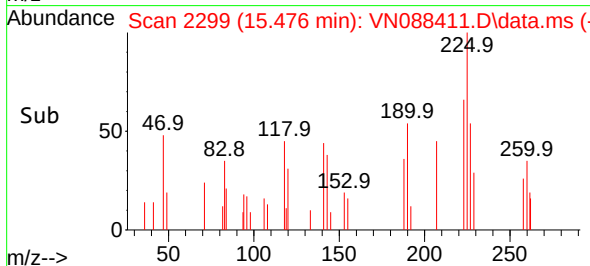
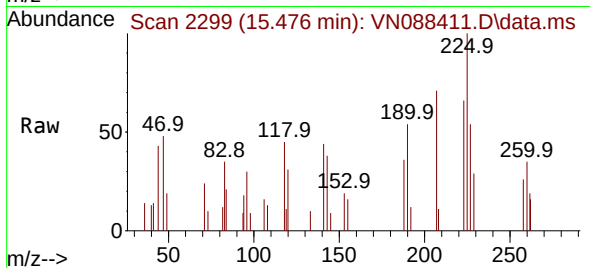
Tgt Ion:	225	Resp:	3310
Ion Ratio	Lower	Upper	
225	100		
223	65.3	32.3	96.8
227	61.0	29.9	89.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#95

Naphthalene

Concen: 2.056 ug/l

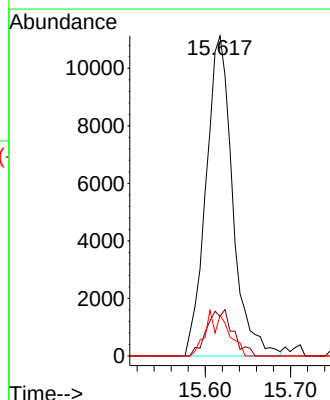
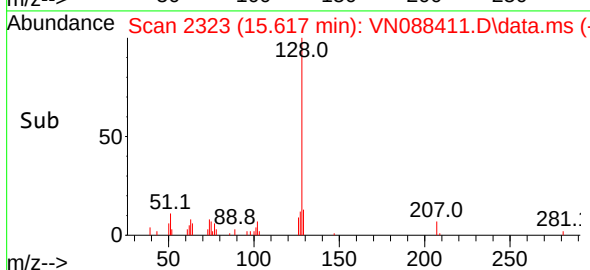
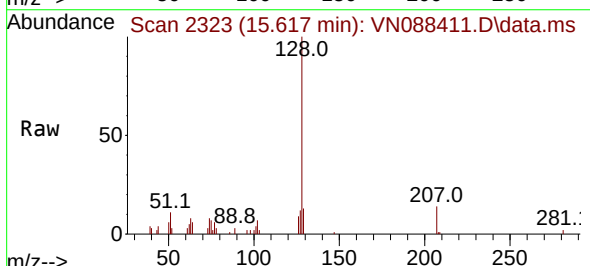
RT: 15.617 min Scan# 2323

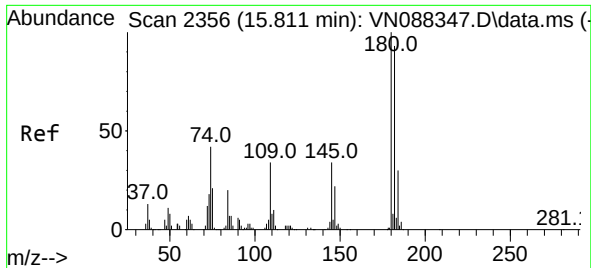
Delta R.T. 0.006 min

Lab File: VN088411.D

Acq: 02 Dec 2025 16:03

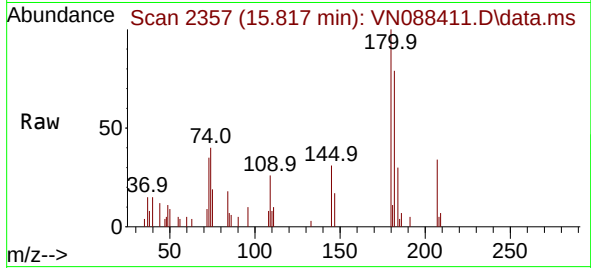
Tgt Ion:	128	Resp:	24162
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.4	15.6
129	11.6	9.0	13.6





#96
 1,2,3-Trichlorobenzene
 Concen: 2.680 ug/l
 RT: 15.817 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN088411.D
 Acq: 02 Dec 2025 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025



Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.3	45.9	137.7
145	36.2	17.8	53.4

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

