

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088412.D
 Acq On : 02 Dec 2025 16:23
 Operator : JC\MD
 Sample : Q3530-08 1.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Dec 03 03:52:32 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	219732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	405293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	353692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	160532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	193176	46.669	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.340%		
35) Dibromofluoromethane	8.147	113	128775	45.849	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.700%		
50) Toluene-d8	10.541	98	465017	44.497	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.000%		
62) 4-Bromofluorobenzene	12.829	95	140718	39.244	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	78.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	2903	0.880	ug/l	92
3) Chloromethane	2.383	50	3678	1.038	ug/l	96
4) Vinyl Chloride	2.536	62	3391	0.940	ug/l #	86
5) Bromomethane	3.000	94	1884	1.086	ug/l	83
6) Chloroethane	3.147	64	1914	0.858	ug/l	93
7) Trichlorofluoromethane	3.518	101	5025	0.991	ug/l	97
8) Diethyl Ether	3.959	74	1544m	0.812	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.383	101	2654m	0.984	ug/l	
10) Methyl Iodide	4.571	142	1682m	0.630	ug/l	
11) Tert butyl alcohol	5.512	59	2949	4.462	ug/l #	78
12) 1,1-Dichloroethene	4.336	96	2995	1.117	ug/l #	49
13) Acrolein	4.177	56	3011	4.759	ug/l	93
14) Allyl chloride	5.012	41	4370m	0.879	ug/l	
15) Acrylonitrile	5.724	53	7994	4.193	ug/l #	23
16) Acetone	4.424	43	10577	7.066	ug/l	95
17) Carbon Disulfide	4.694	76	8544	0.975	ug/l	97
18) Methyl Acetate	5.030	43	3893	0.874	ug/l #	80
19) Methyl tert-butyl Ether	5.788	73	8524	0.849	ug/l #	81
20) Methylene Chloride	5.265	84	3241m	1.012	ug/l	
21) trans-1,2-Dichloroethene	5.783	96	2485	0.837	ug/l	85
22) Diisopropyl ether	6.665	45	7794	0.735	ug/l #	94
23) Vinyl Acetate	6.594	43	36808	4.307	ug/l #	94
24) 1,1-Dichloroethane	6.553	63	6094	1.014	ug/l #	93
25) 2-Butanone	7.482	43	10727	4.457	ug/l	91
26) 2,2-Dichloropropane	7.471	77	4690	0.904	ug/l #	69
27) cis-1,2-Dichloroethene	7.477	96	3238	0.938	ug/l	89
28) Bromochloromethane	7.794	49	2324	0.777	ug/l #	99
29) Tetrahydrofuran	7.830	42	6589	3.817	ug/l	93
30) Chloroform	7.947	83	5525	0.936	ug/l	93
31) Cyclohexane	8.229	56	4502m	0.827	ug/l	
32) 1,1,1-Trichloroethane	8.147	97	4994	0.962	ug/l #	48
36) 1,1-Dichloropropene	8.359	75	3760	0.867	ug/l	93
37) Ethyl Acetate	7.559	43	4938m	0.866	ug/l	
38) Carbon Tetrachloride	8.347	117	4187	0.970	ug/l #	78
39) Methylcyclohexane	9.576	83	4356	0.939	ug/l	86
40) Benzene	8.588	78	12031	0.946	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	2801m	0.992	ug/l	
42) 1,2-Dichloroethane	8.653	62	4967	1.023	ug/l	80
43) Isopropyl Acetate	8.671	43	6630	0.761	ug/l #	89
44) Trichloroethene	9.329	130	2726	0.907	ug/l	75
45) 1,2-Dichloropropane	9.594	63	2747	0.843	ug/l	95
46) Dibromomethane	9.688	93	2011	0.864	ug/l	96
47) Bromodichloromethane	9.859	83	4451	0.938	ug/l #	85
48) Methyl methacrylate	9.671	41	3615m	0.910	ug/l	
49) 1,4-Dioxane	9.682	88	342m	6.768	ug/l	
51) 4-Methyl-2-Pentanone	10.423	43	20061	3.908	ug/l	94
52) Toluene	10.618	92	6640	0.904	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	3399	0.698	ug/l	91
54) cis-1,3-Dichloropropene	10.288	75	4009	0.782	ug/l #	87
55) 1,1,2-Trichloroethane	10.994	97	2434	0.856	ug/l #	77
56) Ethyl methacrylate	10.859	69	2564m	0.571	ug/l	
57) 1,3-Dichloropropane	11.141	76	4372	0.853	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.135	63	6554	2.532	ug/l	94
59) 2-Hexanone	11.194	43	12185m	3.768	ug/l	
60) Dibromochloromethane	11.335	129	2923	0.902	ug/l	97
61) 1,2-Dibromoethane	11.447	107	2559	0.889	ug/l	97
64) Tetrachloroethene	11.082	164	2661	0.949	ug/l #	77
65) Chlorobenzene	11.859	112	6988	0.880	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	2432	0.908	ug/l #	65
67) Ethyl Benzene	11.947	91	11113	0.800	ug/l	94
68) m/p-Xylenes	12.047	106	7911	1.537	ug/l	100
69) o-Xylene	12.376	106	3912	0.797	ug/l	92
70) Styrene	12.394	104	4822	0.605	ug/l #	83
71) Bromoform	12.553	173	1794	0.914	ug/l #	84
73) Isopropylbenzene	12.670	105	8400	0.708	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.923	83	3859	1.006	ug/l #	83
76) 1,2,3-Trichloropropane	12.970	75	4725m	1.257	ug/l	
77) Bromobenzene	12.953	156	2415	0.889	ug/l	86
78) n-propylbenzene	13.012	91	11470	0.790	ug/l	99
79) 2-Chlorotoluene	13.106	91	7806m	0.880	ug/l	
80) 1,3,5-Trimethylbenzene	13.147	105	6922	0.704	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.723	75	533m	0.402	ug/l	
82) 4-Chlorotoluene	13.200	91	7789	0.884	ug/l	90
83) tert-Butylbenzene	13.412	119	9131m	1.092	ug/l	
84) 1,2,4-Trimethylbenzene	13.459	105	6464	0.661	ug/l	88
85) sec-Butylbenzene	13.588	105	9026	0.751	ug/l	99
86) p-Isopropyltoluene	13.706	119	6693	0.680	ug/l	88
87) 1,3-Dichlorobenzene	13.711	146	5019	0.949	ug/l	92
88) 1,4-Dichlorobenzene	13.788	146	5592m	1.010	ug/l	
89) n-Butylbenzene	14.035	91	8302	0.868	ug/l	92
90) Hexachloroethane	14.311	117	1666	0.926	ug/l	95
91) 1,2-Dichlorobenzene	14.094	146	4305	0.865	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	837	0.899	ug/l #	58
93) 1,2,4-Trichlorobenzene	15.376	180	2255	0.763	ug/l	97
94) Hexachlorobutadiene	15.476	225	922	0.868	ug/l #	64
95) Naphthalene	15.623	128	6341	0.619	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.811	180	2112	0.734	ug/l #	30

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LOQ-WATER-02-QT4-2025

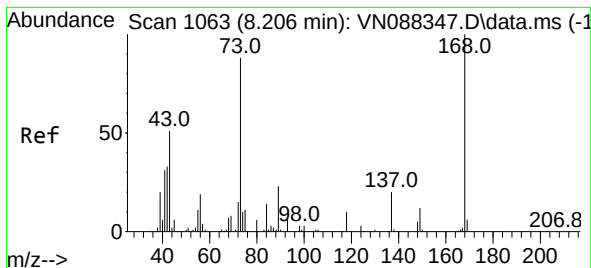
Quant Time: Dec 03 03:52:32 2025
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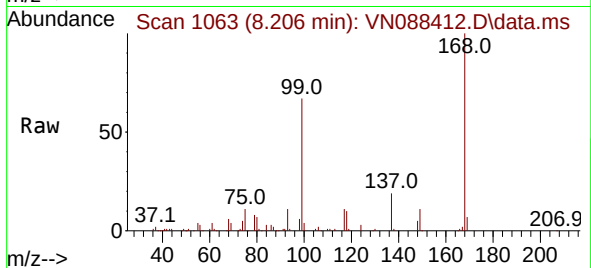
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
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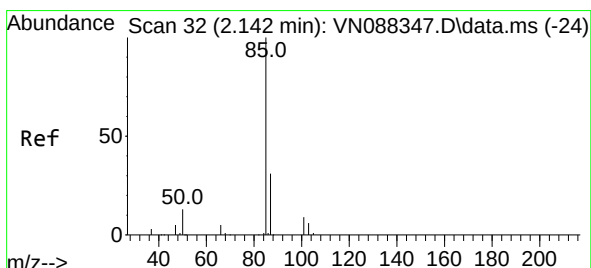
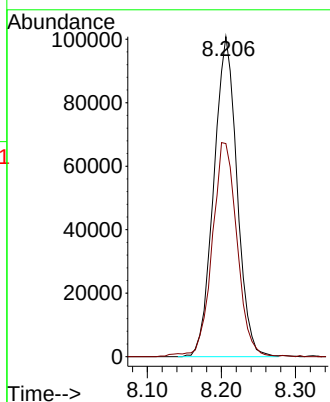
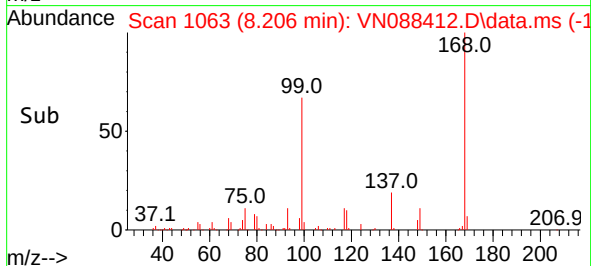
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:168 Resp: 21973
Ion Ratio Lower Upper
168 100
99 66.4 57.1 85.7

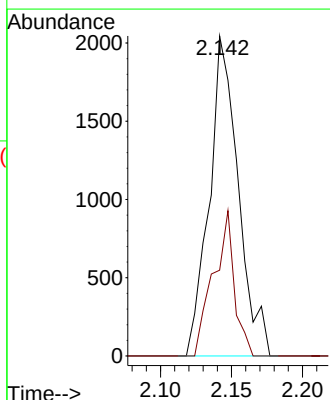
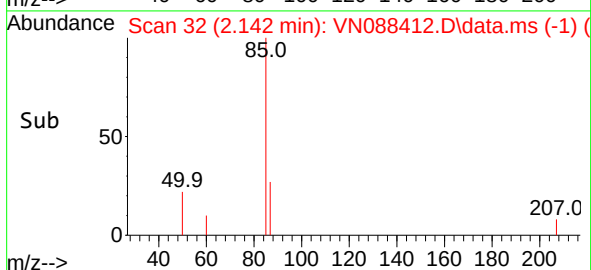
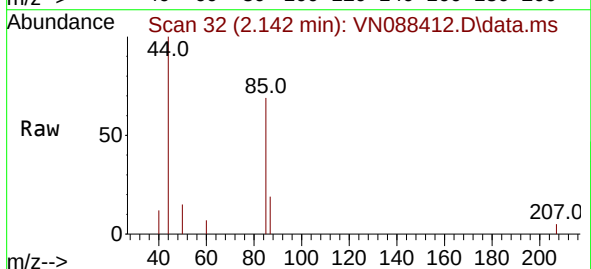
Manual Integrations
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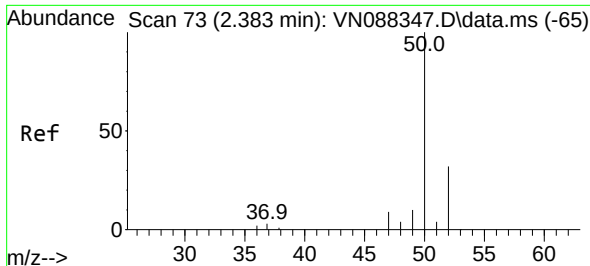
Reviewed By :John Carlone 12/03/2025
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#2
Dichlorodifluoromethane
Concen: 0.880 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

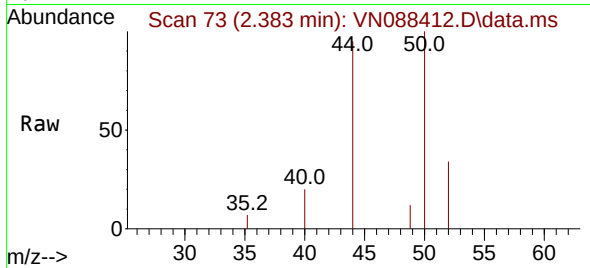
Tgt Ion: 85 Resp: 2903
Ion Ratio Lower Upper
85 100
87 26.8 15.6 46.7





#3
Chloromethane
Concen: 1.038 ug/l
RT: 2.383 min Scan# 73
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

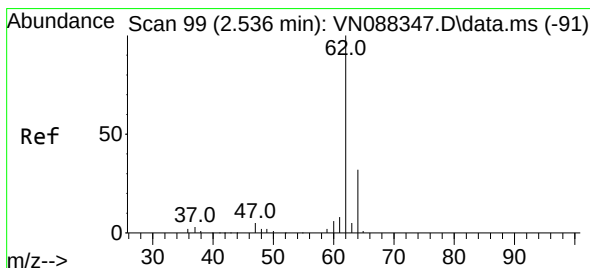
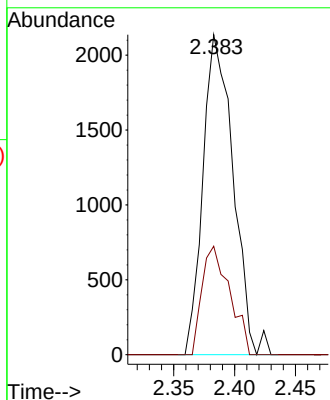
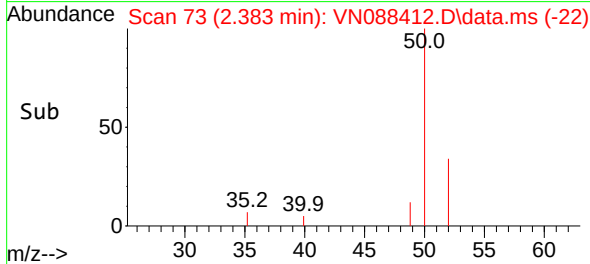
Instrument :
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ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 50 Resp: 3678
Ion Ratio Lower Upper
50 100
52 33.9 25.2 37.8

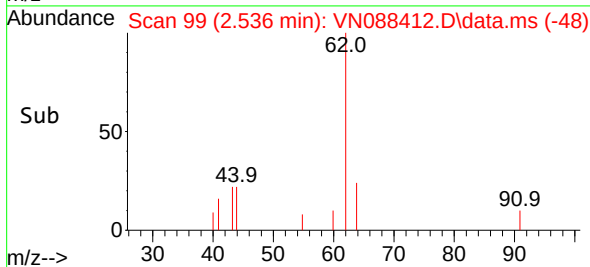
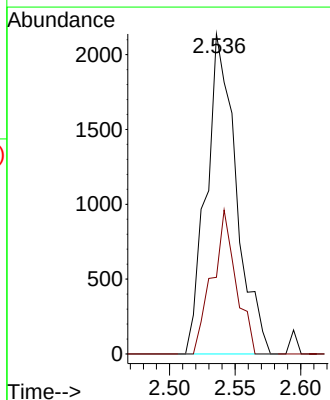
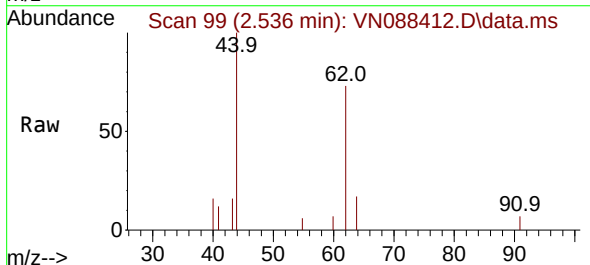
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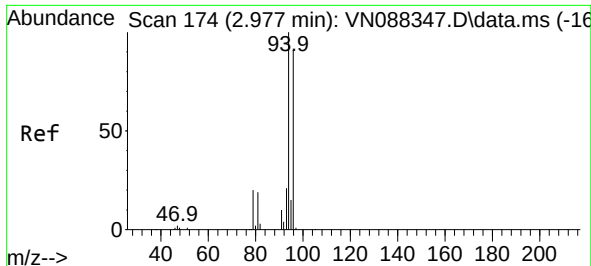
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#4
Vinyl Chloride
Concen: 0.940 ug/l
RT: 2.536 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

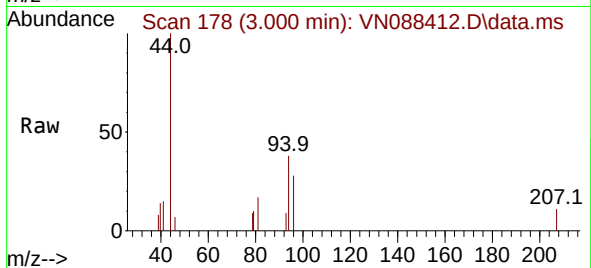
Tgt Ion: 62 Resp: 3391
Ion Ratio Lower Upper
62 100
64 23.9 25.4 38.2#





#5
Bromomethane
Concen: 1.086 ug/l
RT: 3.000 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN088412.D
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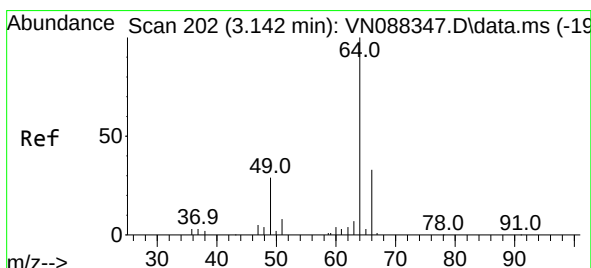
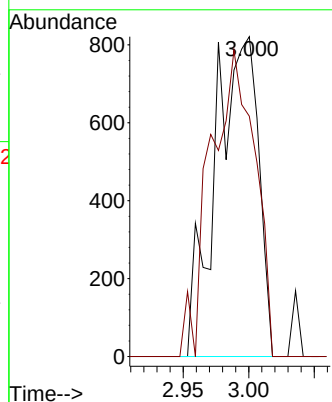
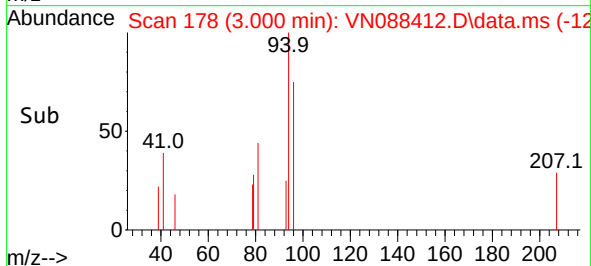
Instrument :
MSVOA_N
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Tgt Ion: 94 Resp: 1884
Ion Ratio Lower Upper
94 100
96 75.2 73.2 109.8

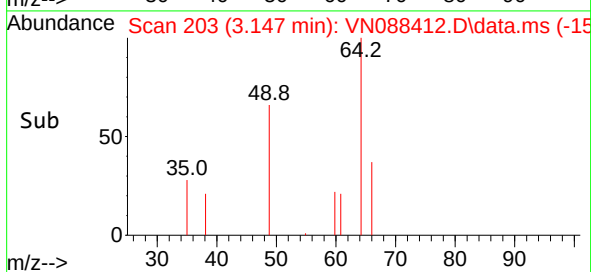
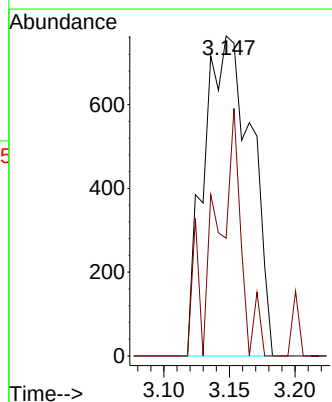
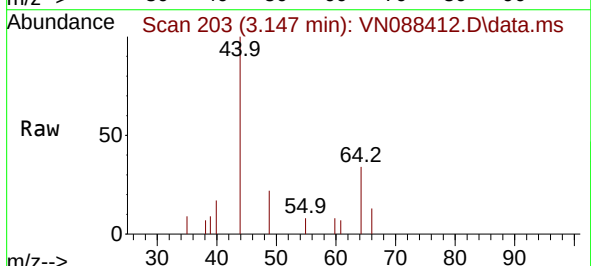
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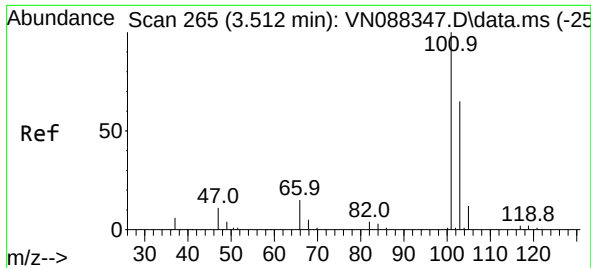
Reviewed By :John Carlone 12/03/2025
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#6
Chloroethane
Concen: 0.858 ug/l
RT: 3.147 min Scan# 203
Delta R.T. 0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

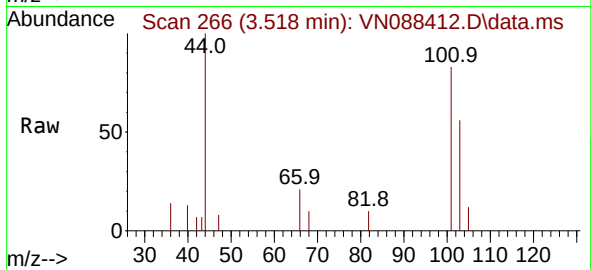
Tgt Ion: 64 Resp: 1914
Ion Ratio Lower Upper
64 100
66 36.8 26.4 39.6





#7
Trichlorofluoromethane
Concen: 0.991 ug/l
RT: 3.518 min Scan# 265
Delta R.T. 0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

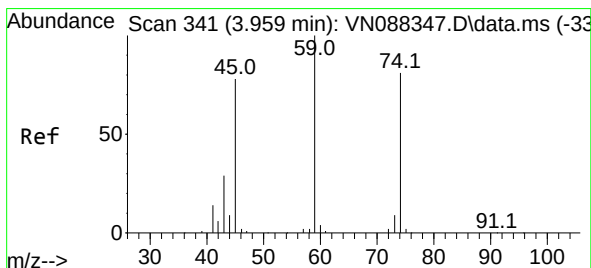
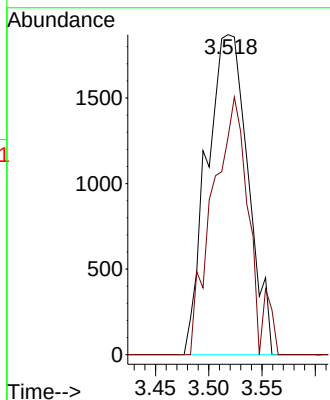
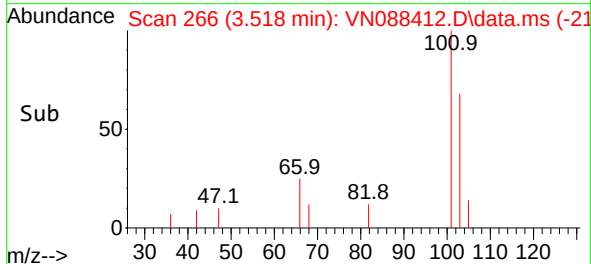
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:101 Resp: 502
Ion Ratio Lower Upper
101 100
103 67.8 52.3 78.5

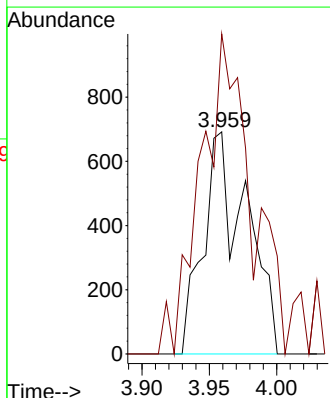
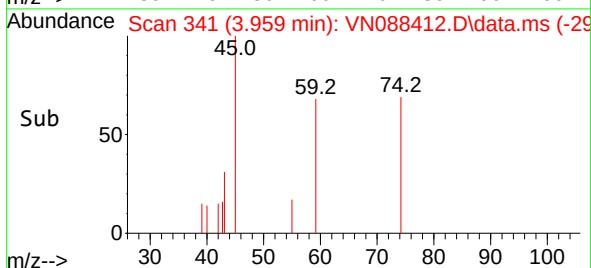
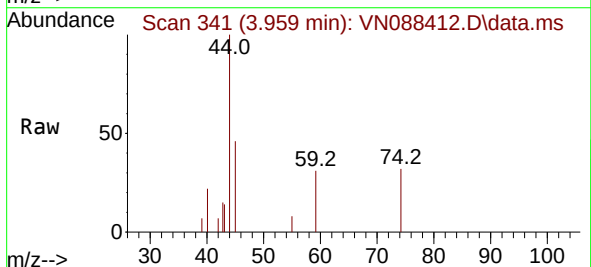
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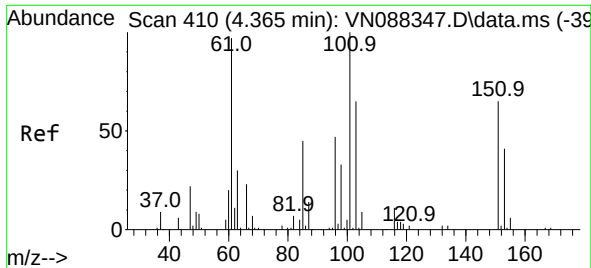
Reviewed By :John Carlone 12/03/2025
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#8
Diethyl Ether
Concen: 0.812 ug/l m
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

Tgt Ion: 74 Resp: 1544
Ion Ratio Lower Upper
74 100
45 167.9 54.2 162.6#





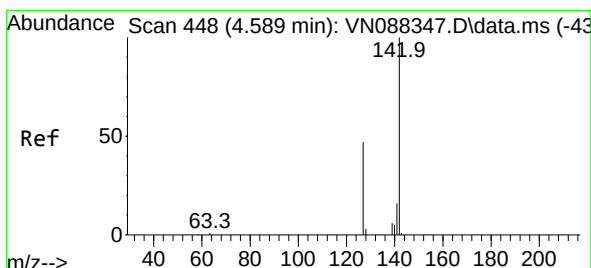
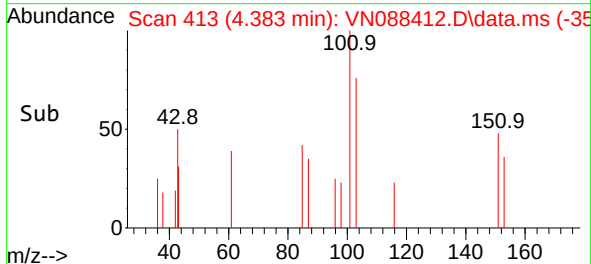
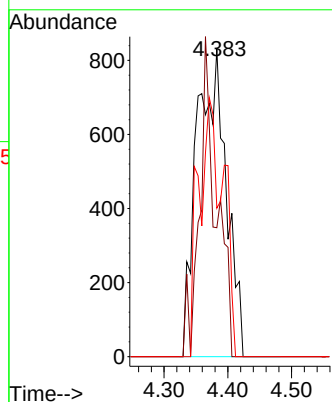
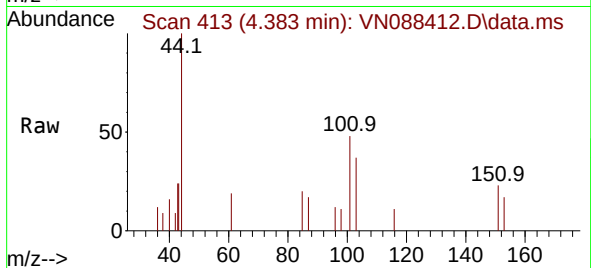
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.984 ug/l m
RT: 4.383 min Scan# 410
Delta R.T. 0.018 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

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

Tgt Ion:101 Resp: 2654
Ion Ratio Lower Upper
101 100
85 58.8 39.2 58.8
151 54.2 53.6 80.4

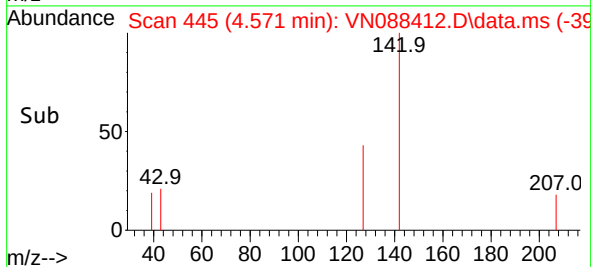
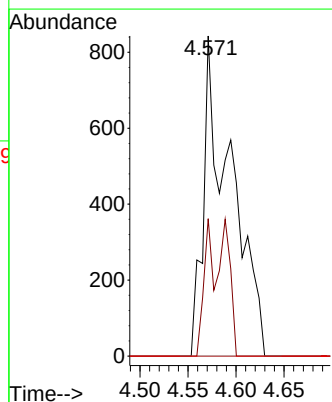
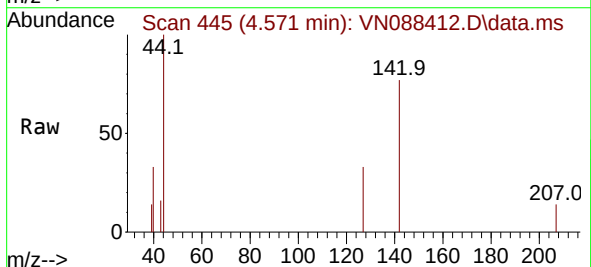
Manual Integrations
APPROVED

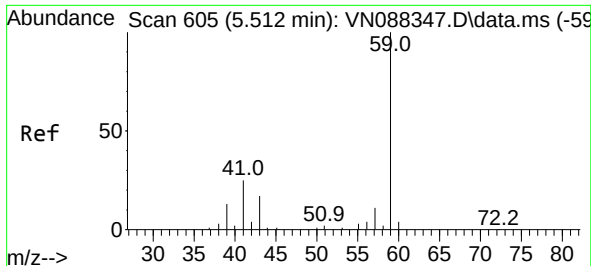
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#10
Methyl Iodide
Concen: 0.630 ug/l m
RT: 4.571 min Scan# 445
Delta R.T. -0.018 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

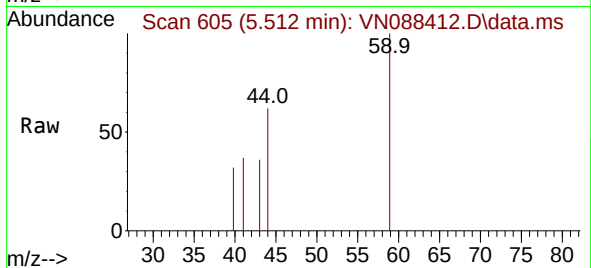
Tgt Ion:142 Resp: 1682
Ion Ratio Lower Upper
142 100
127 42.9 37.9 56.9
141 0.0 12.4 18.6#





#11
Tert butyl alcohol
Concen: 4.462 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

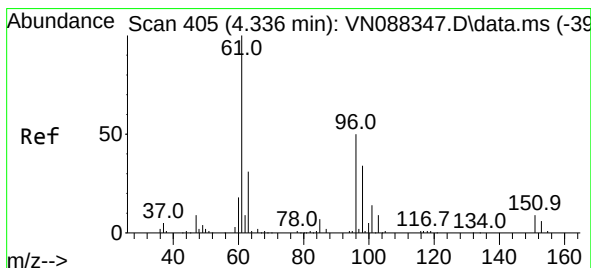
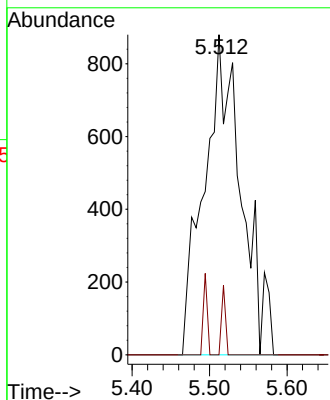
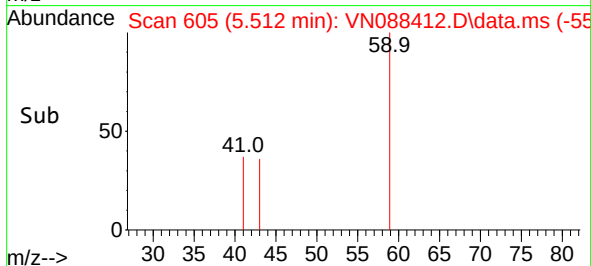
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



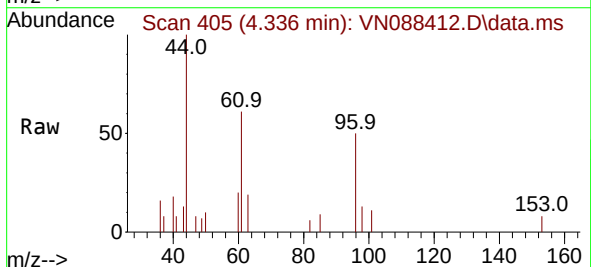
Tgt Ion: 59 Resp: 2949
Ion Ratio Lower Upper
59 100
57 2.3 8.5 12.7

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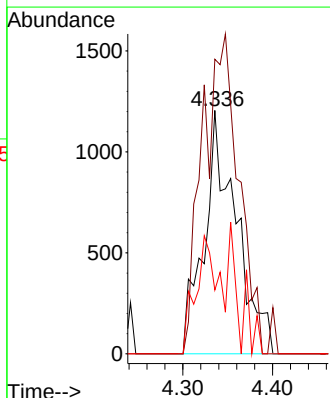
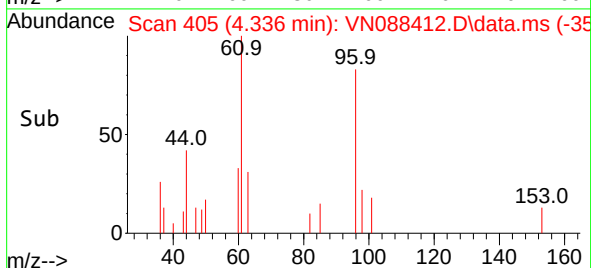
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

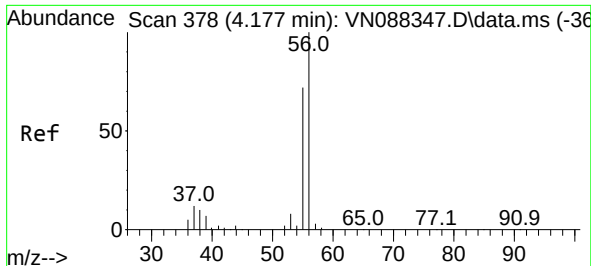


#12
1,1-Dichloroethene
Concen: 1.117 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23



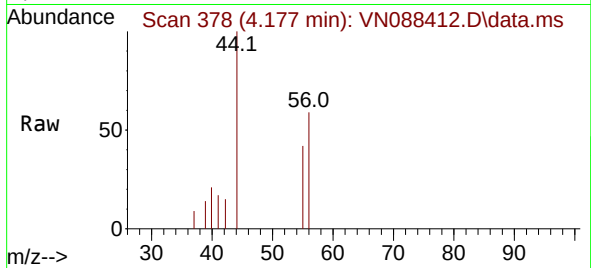
Tgt Ion: 96 Resp: 2995
Ion Ratio Lower Upper
96 100
61 121.1 159.1 238.7#
98 26.2 53.7 80.5#





#13
Acrolein
Concen: 4.759 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

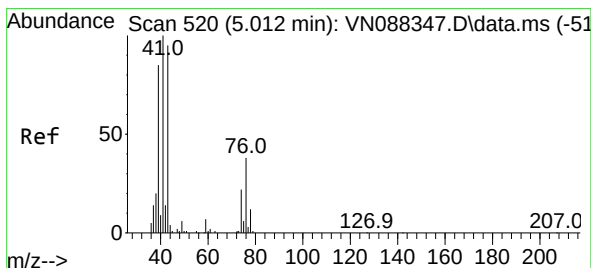
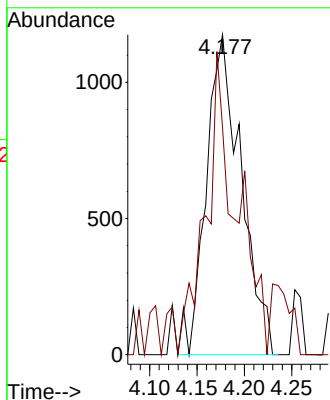
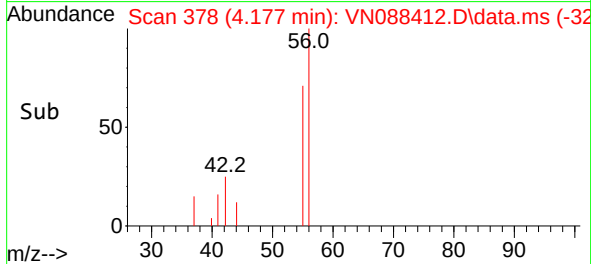
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



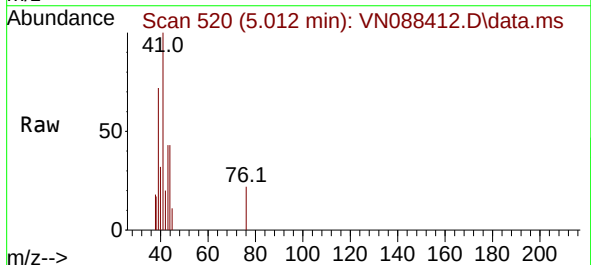
Tgt Ion: 56 Resp: 301
Ion Ratio Lower Upper
56 100
55 64.7 56.3 84.5

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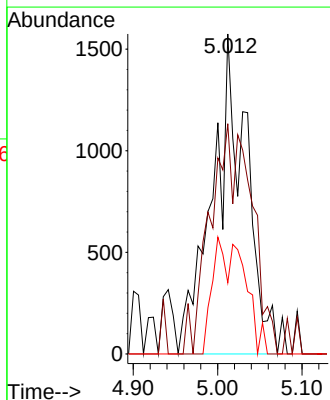
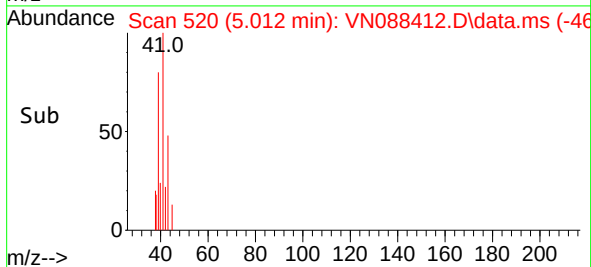
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

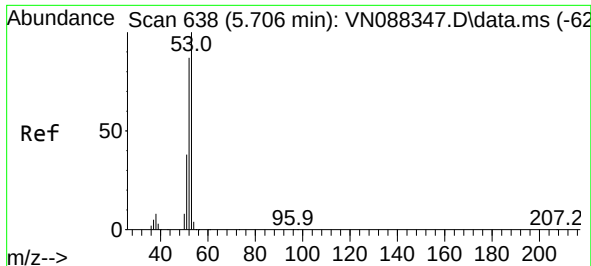


#14
Allyl chloride
Concen: 0.879 ug/l m
RT: 5.012 min Scan# 520
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23



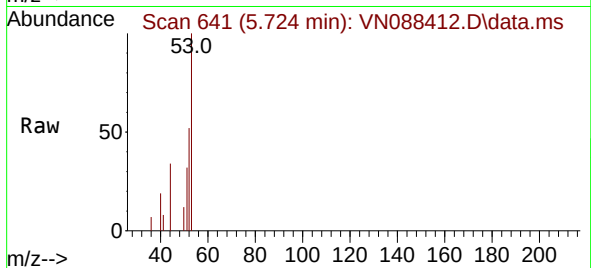
Tgt Ion: 41 Resp: 4370
Ion Ratio Lower Upper
41 100
39 49.7 64.7 97.1#
76 18.1 29.1 43.7#





#15
Acrylonitrile
Concen: 4.193 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.018 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

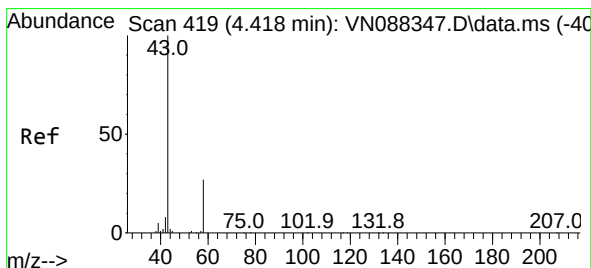
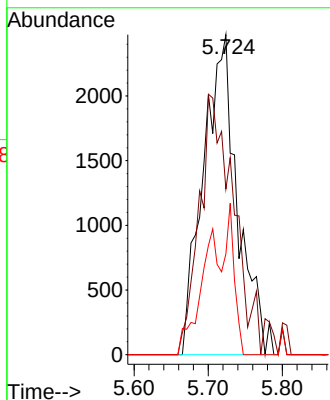
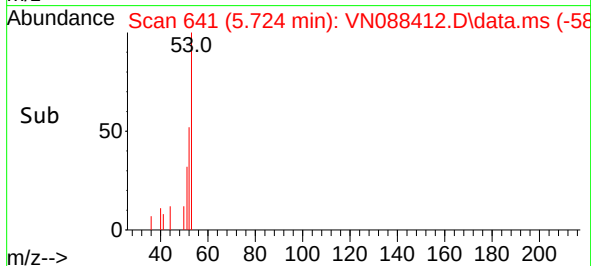
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2025



Tgt Ion: 53 Resp: 7994
Ion Ratio Lower Upper
53 100
52 0.0 67.8 101.6
51 12.2 29.8 44.8

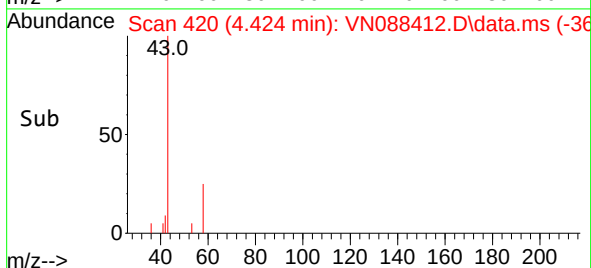
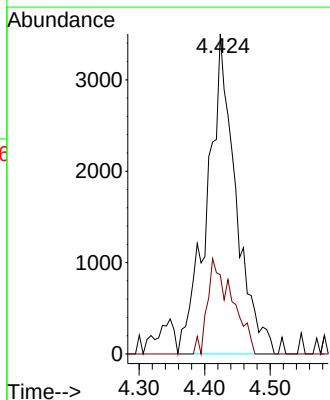
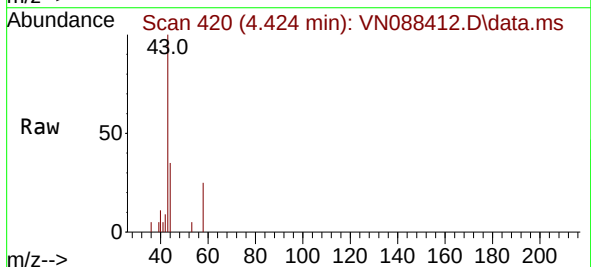
Manual Integrations
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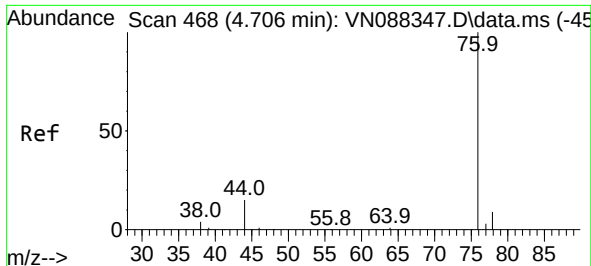
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#16
Acetone
Concen: 7.066 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

Tgt Ion: 43 Resp: 10577
Ion Ratio Lower Upper
43 100
58 24.8 21.7 32.5





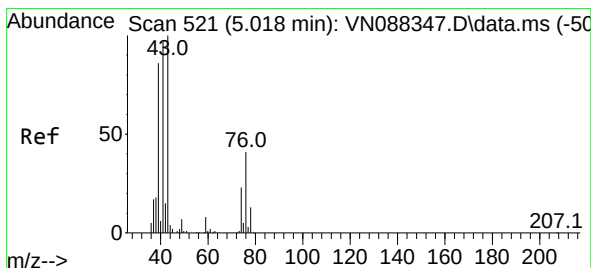
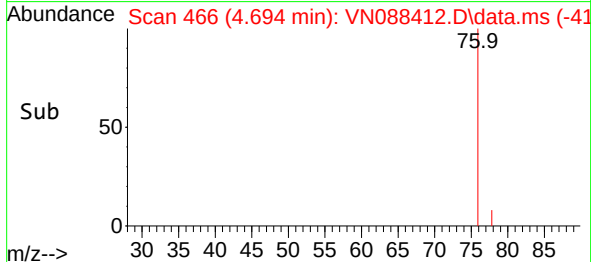
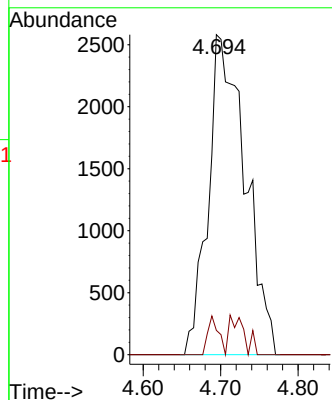
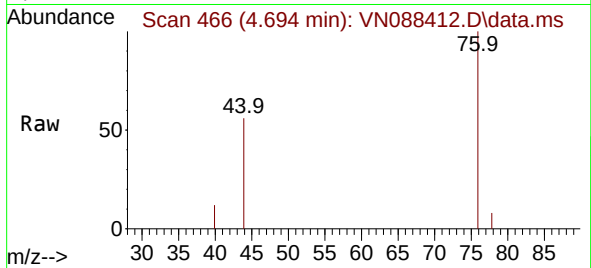
#17
Carbon Disulfide
Concen: 0.975 ug/l
RT: 4.694 min Scan# 466
Delta R.T. -0.012 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

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

Tgt Ion: 76 Resp: 854
Ion Ratio Lower Upper
76 100
78 7.6 7.0 10.4

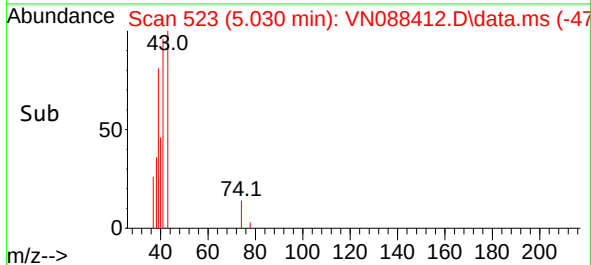
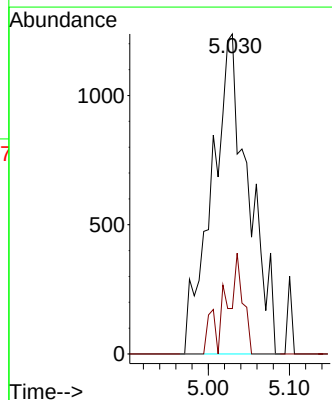
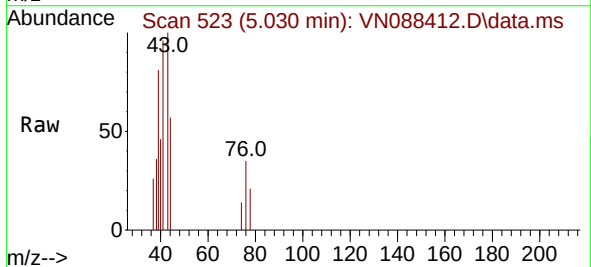
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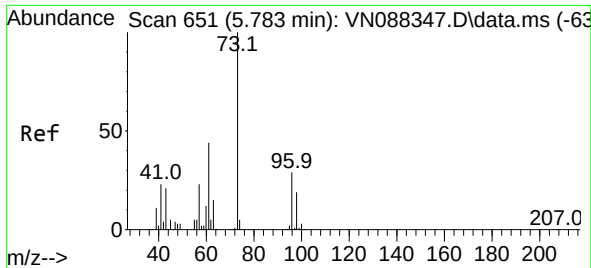
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#18
Methyl Acetate
Concen: 0.874 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

Tgt Ion: 43 Resp: 3893
Ion Ratio Lower Upper
43 100
74 12.6 17.9 26.9#





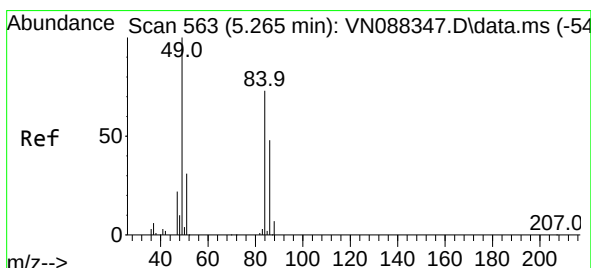
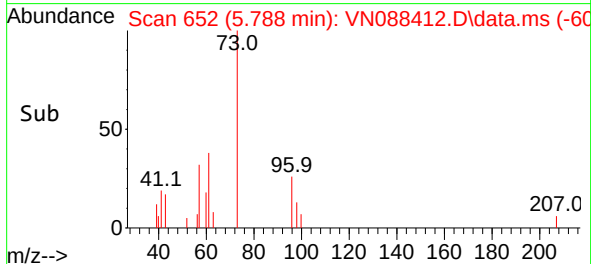
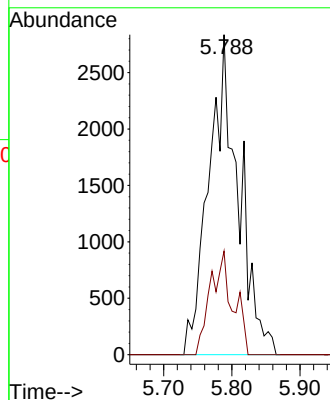
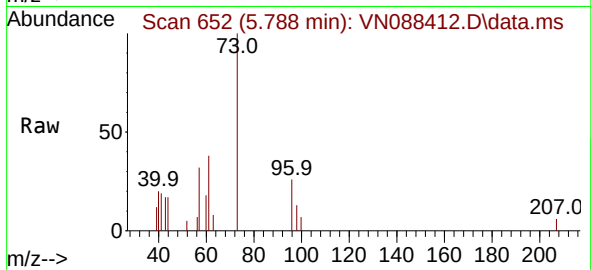
#19
Methyl tert-butyl Ether
Concen: 0.849 ug/l
RT: 5.788 min Scan# 651
Delta R.T. 0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

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

Tgt Ion: 73 Resp: 8524
Ion Ratio Lower Upper
73 100
57 32.3 18.6 28.0

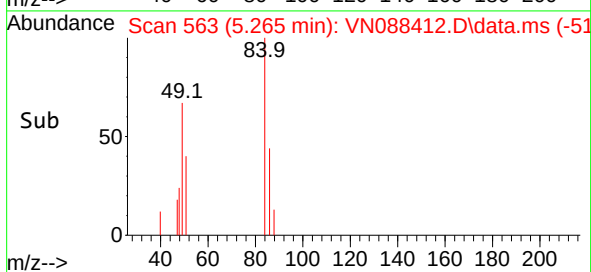
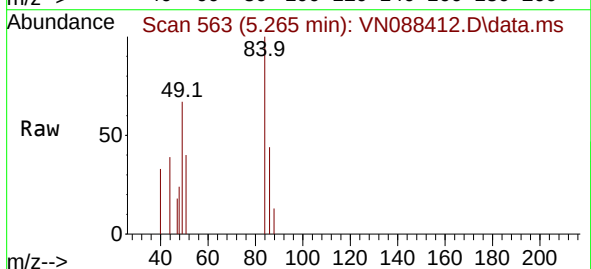
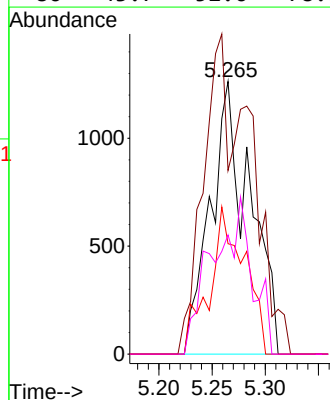
Manual Integrations
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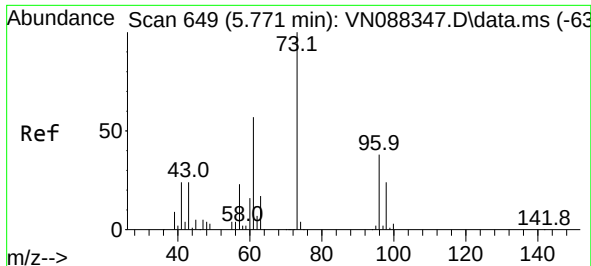
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#20
Methylene Chloride
Concen: 1.012 ug/l m
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

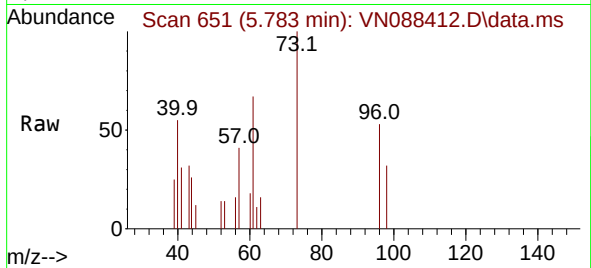
Tgt Ion: 84 Resp: 3241
Ion Ratio Lower Upper
84 100
49 67.4 110.2 165.2#
51 40.5 34.1 51.1
86 43.7 52.6 78.8#





#21
trans-1,2-Dichloroethene
Concen: 0.837 ug/l
RT: 5.783 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

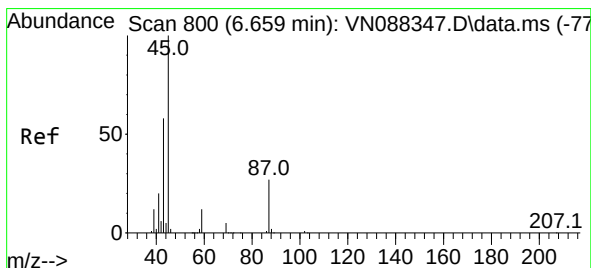
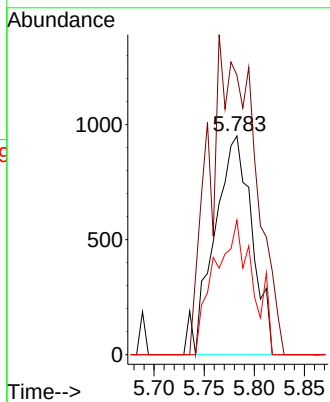
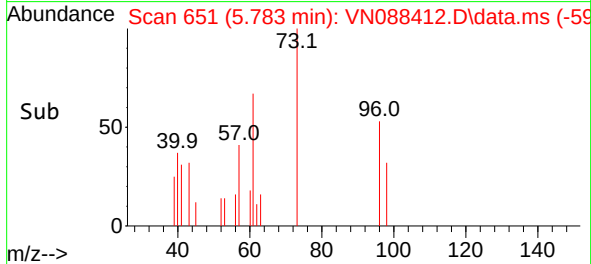
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 96 Resp: 248
Ion Ratio Lower Upper
96 100
61 127.7 122.4 183.6
98 61.4 50.9 76.3

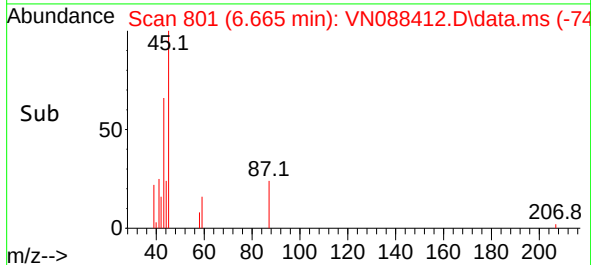
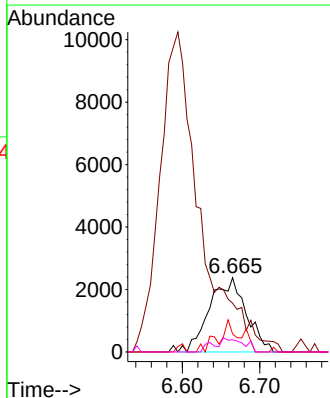
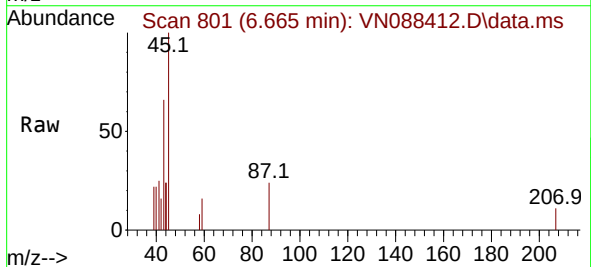
Manual Integrations
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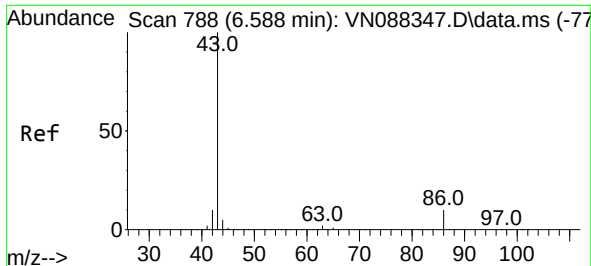
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#22
Diisopropyl ether
Concen: 0.735 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

Tgt Ion: 45 Resp: 7794
Ion Ratio Lower Upper
45 100
43 55.1 47.4 71.2
87 24.4 21.9 32.9
59 16.5 9.4 14.2#





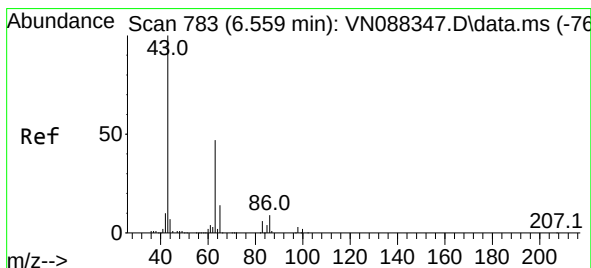
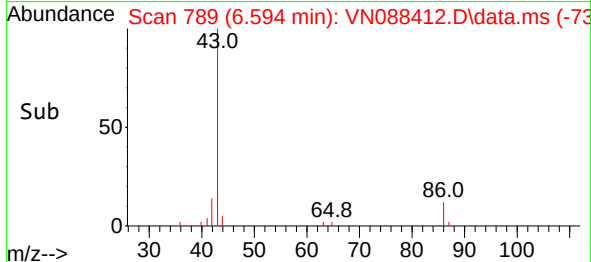
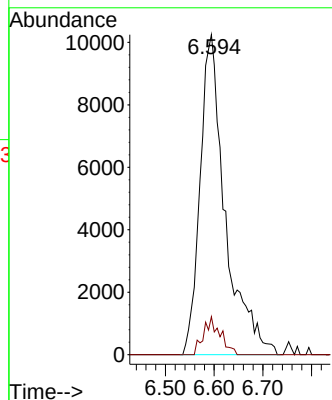
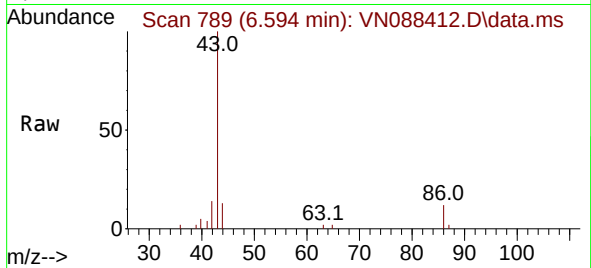
#23
 Vinyl Acetate
 Concen: 4.307 ug/l
 RT: 6.594 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VN088412.D
 Acq: 02 Dec 2025 16:23

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

Tgt Ion: 43 Resp: 3680
 Ion Ratio Lower Upper
 43 100
 86 11.8 7.8 11.8

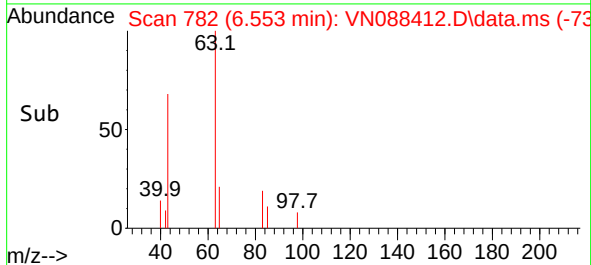
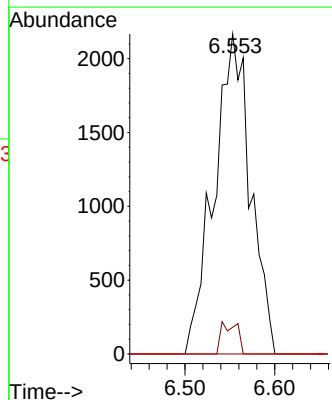
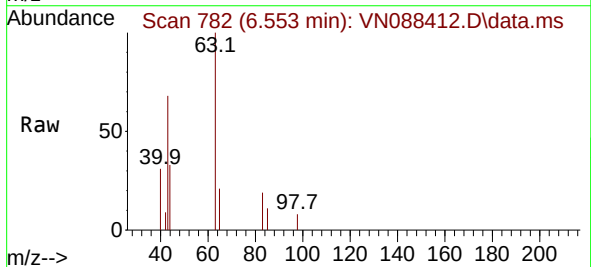
Manual Integrations
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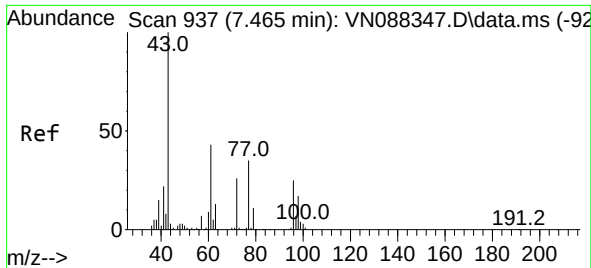
Reviewed By :John Carlone 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025



#24
 1,1-Dichloroethane
 Concen: 1.014 ug/l
 RT: 6.553 min Scan# 782
 Delta R.T. -0.006 min
 Lab File: VN088412.D
 Acq: 02 Dec 2025 16:23

Tgt Ion: 63 Resp: 6094
 Ion Ratio Lower Upper
 63 100
 98 8.4 3.4 10.2
 100 0.0 1.9 5.7





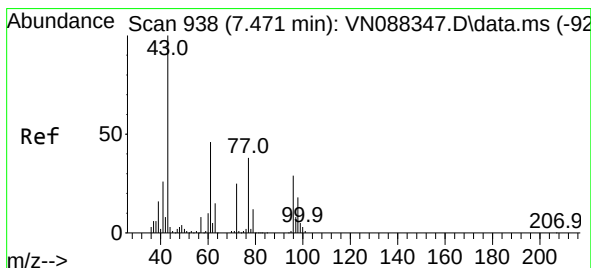
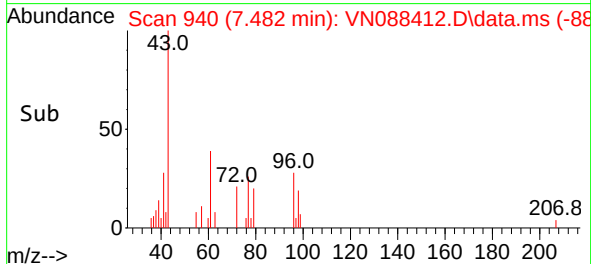
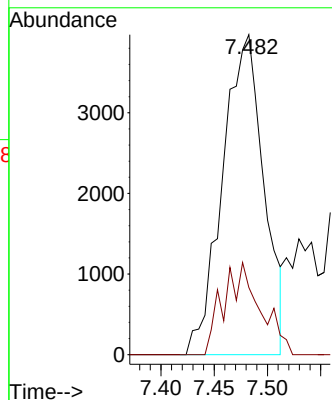
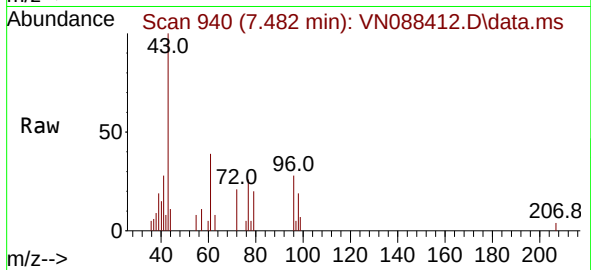
#25
2-Butanone
Concen: 4.457 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

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

Tgt Ion: 43 Resp: 1072
Ion Ratio Lower Upper
43 100
72 21.0 20.5 30.7

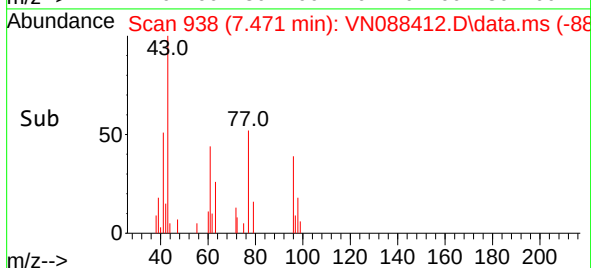
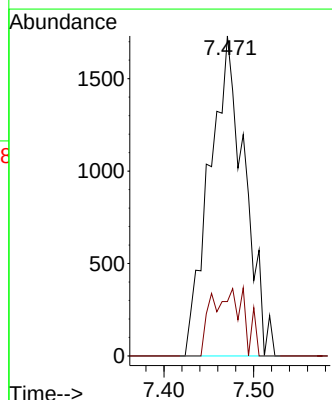
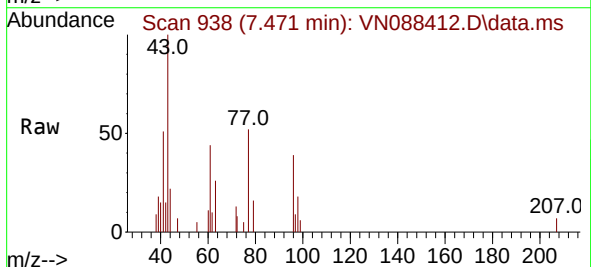
Manual Integrations
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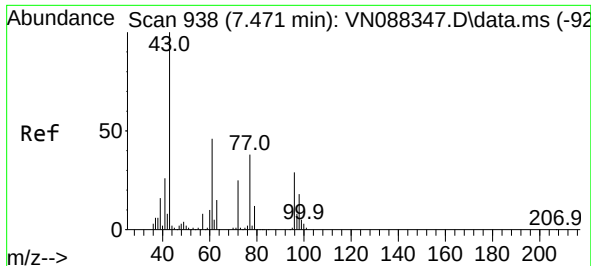
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#26
2,2-Dichloropropane
Concen: 0.904 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

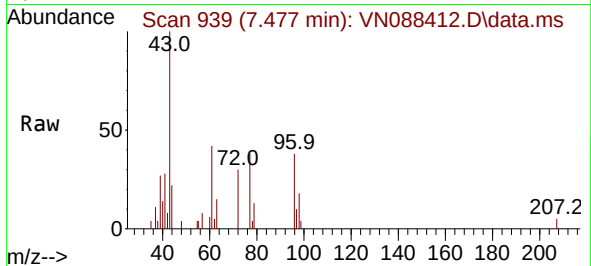
Tgt Ion: 77 Resp: 4690
Ion Ratio Lower Upper
77 100
97 6.1 10.3 30.9#





#27
 cis-1,2-Dichloroethene
 Concen: 0.938 ug/l
 RT: 7.477 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN088412.D
 Acq: 02 Dec 2025 16:23

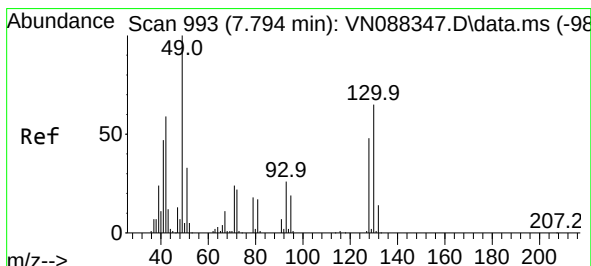
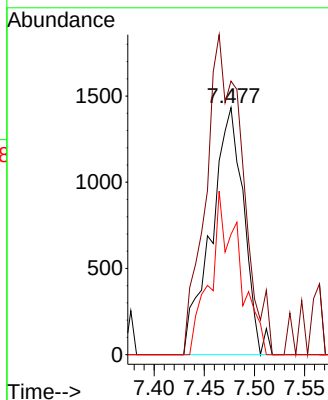
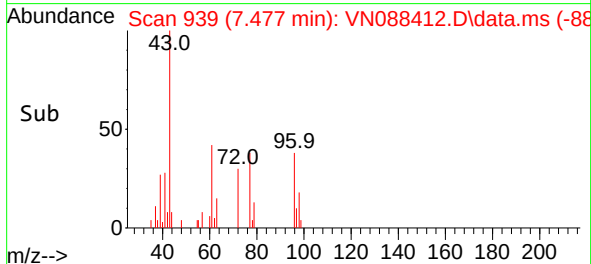
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2025



Tgt Ion: 96 Resp: 3238
 Ion Ratio Lower Upper
 96 100
 61 145.2 0.0 323.6
 98 59.3 0.0 127.2

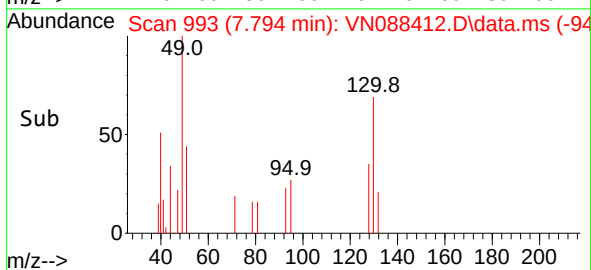
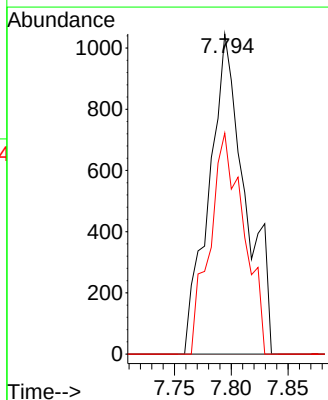
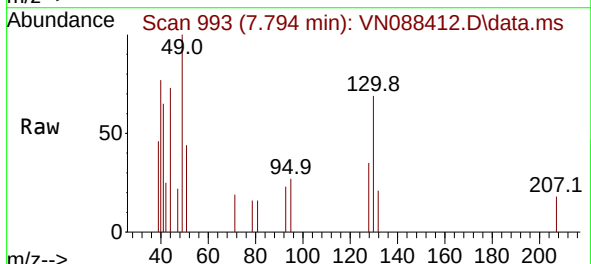
Manual Integrations
 APPROVED

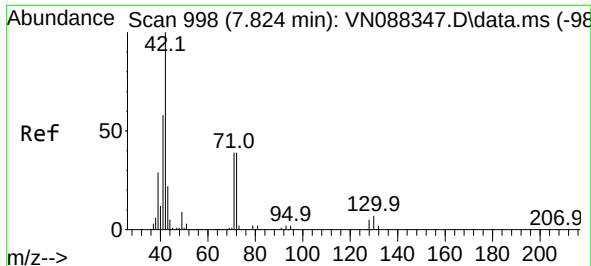
Reviewed By :John Carlone 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025



#28
 Bromochloromethane
 Concen: 0.777 ug/l
 RT: 7.794 min Scan# 993
 Delta R.T. 0.000 min
 Lab File: VN088412.D
 Acq: 02 Dec 2025 16:23

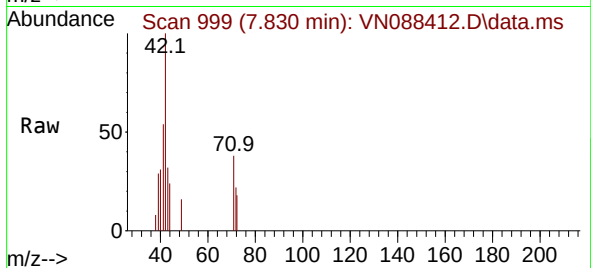
Tgt Ion: 49 Resp: 2324
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 64.8 51.1 76.7





#29
Tetrahydrofuran
Concen: 3.817 ug/l
RT: 7.830 min Scan# 998
Delta R.T. 0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

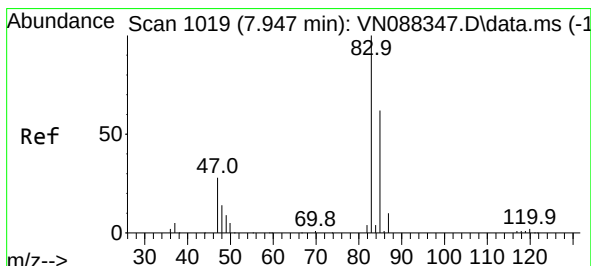
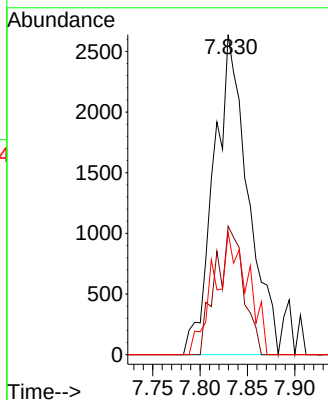
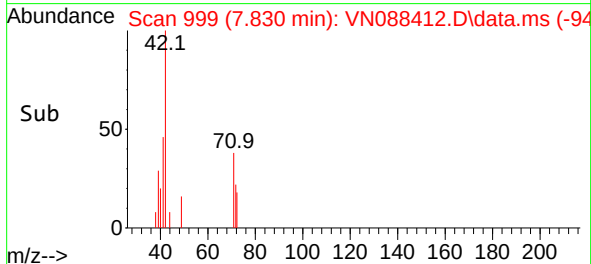
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



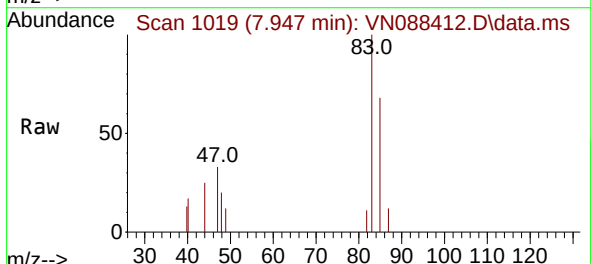
Tgt Ion: 42 Resp: 6589
Ion Ratio Lower Upper
42 100
72 32.8 32.2 48.4
71 37.9 31.1 46.7

Manual Integrations
APPROVED

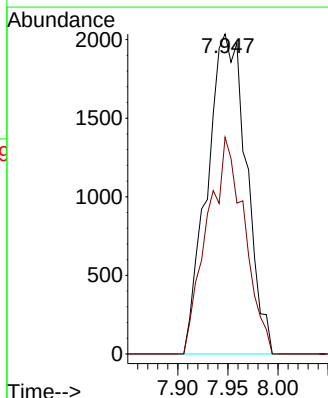
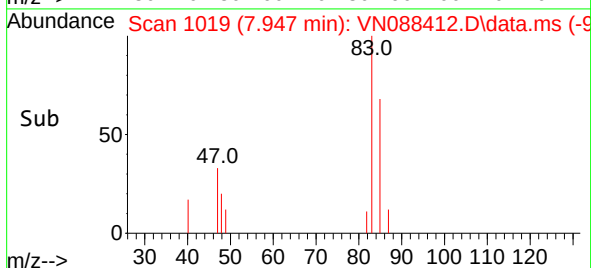
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

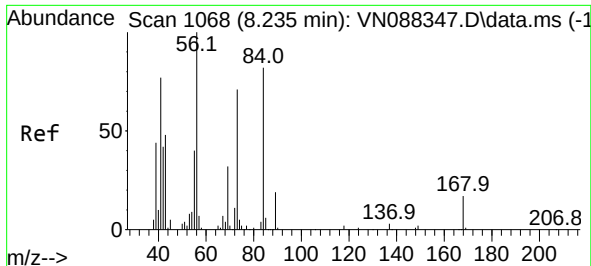


#30
Chloroform
Concen: 0.936 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23



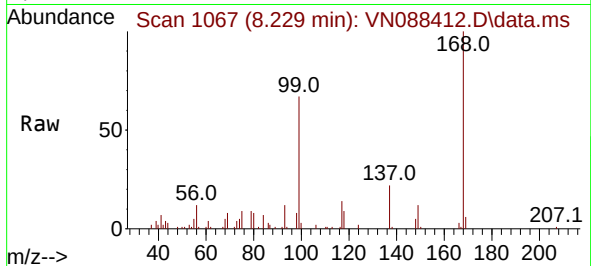
Tgt Ion: 83 Resp: 5525
Ion Ratio Lower Upper
83 100
85 67.7 49.8 74.8





#31
Cyclohexane
Concen: 0.827 ug/l m
RT: 8.229 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

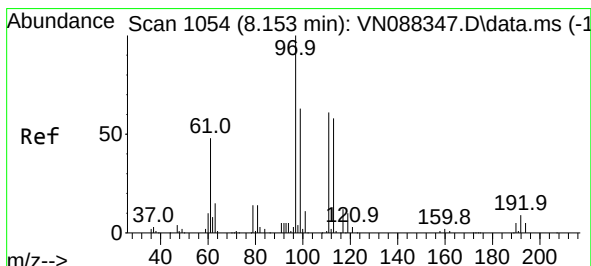
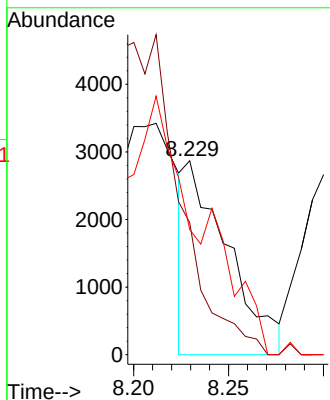
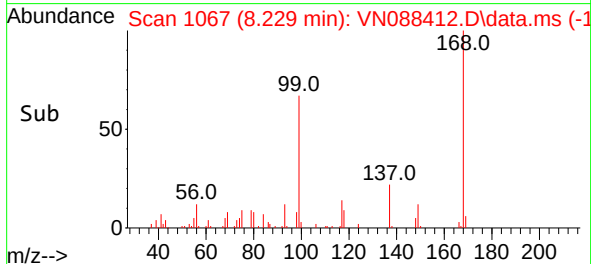
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



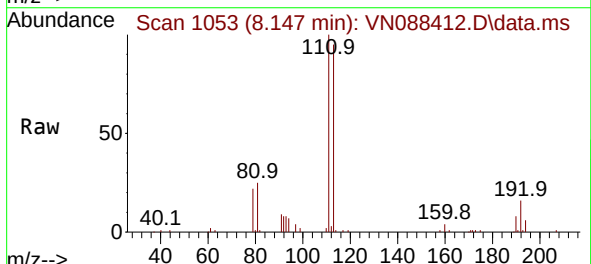
Tgt Ion: 56 Resp: 4502
Ion Ratio Lower Upper
56 100
69 68.1 25.3 37.9#
84 64.5 65.4 98.2#

Manual Integrations
APPROVED

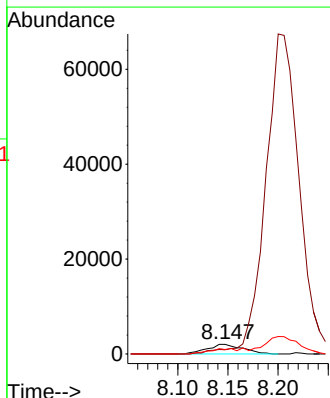
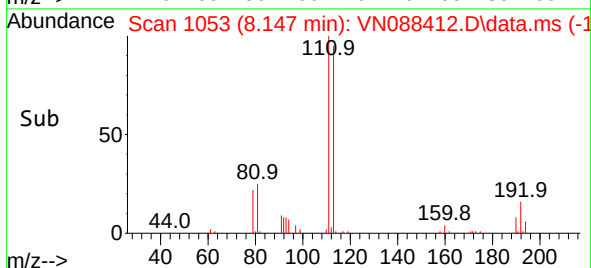
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

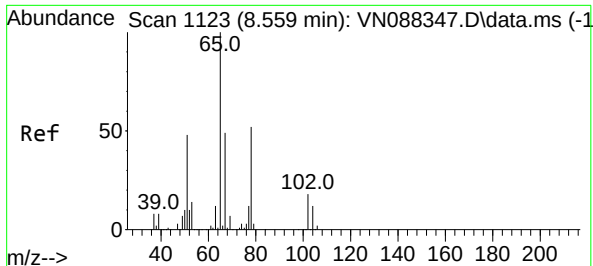


#32
1,1,1-Trichloroethane
Concen: 0.962 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23



Tgt Ion: 97 Resp: 4994
Ion Ratio Lower Upper
97 100
99 0.0 50.8 76.2#
61 41.2 42.2 63.2#





#33

1,2-Dichloroethane-d4

Concen: 46.669 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 65 Resp: 193170

Ion Ratio Lower Upper

65 100

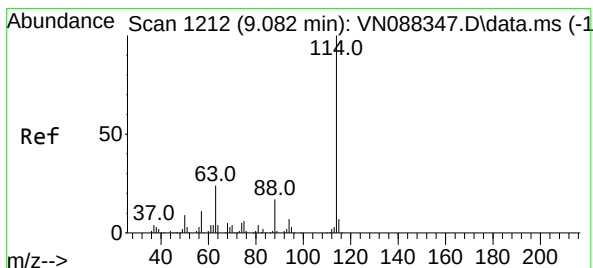
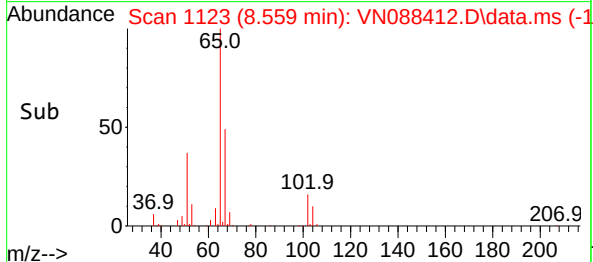
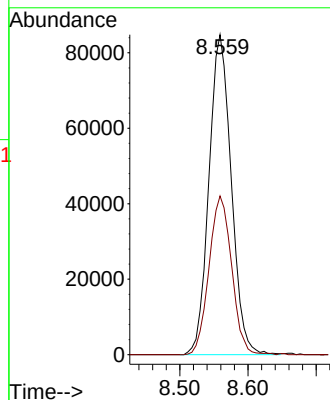
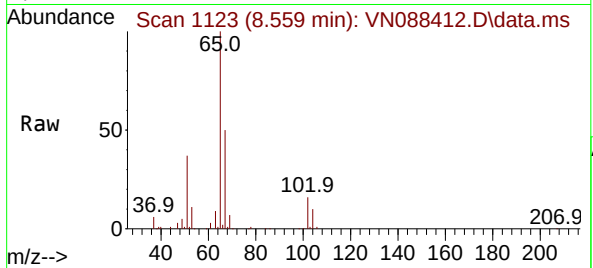
67 50.2 0.0 100.8

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: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

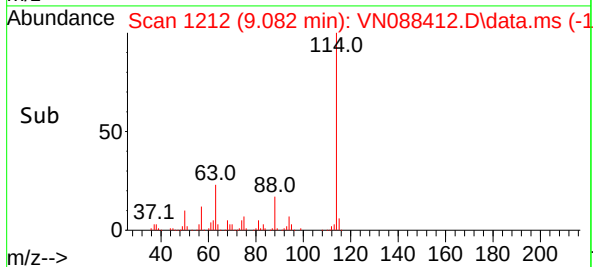
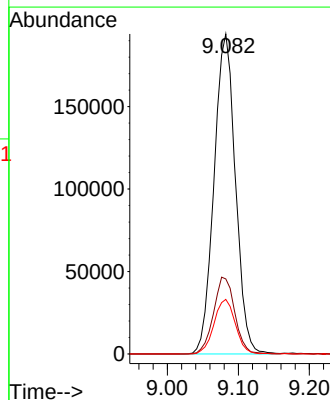
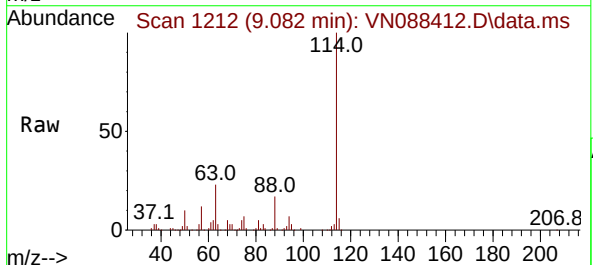
Tgt Ion:114 Resp: 405293

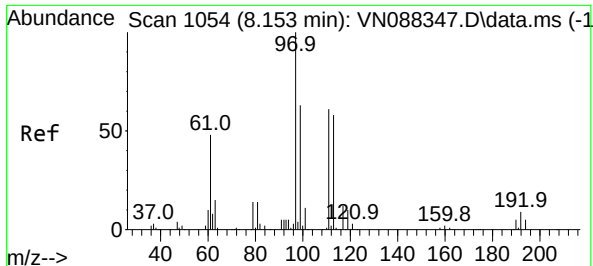
Ion Ratio Lower Upper

114 100

63 23.5 0.0 49.0

88 17.1 0.0 34.0





#35

Dibromofluoromethane

Concen: 45.849 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 113 Resp: 12877

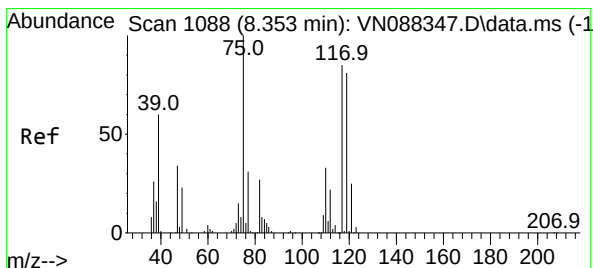
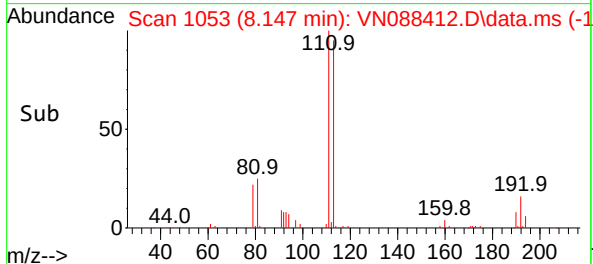
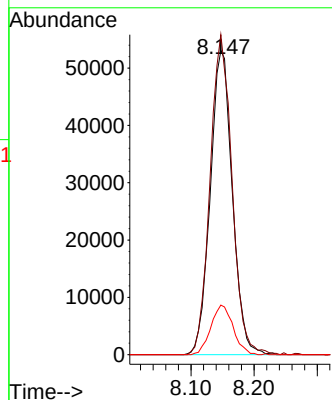
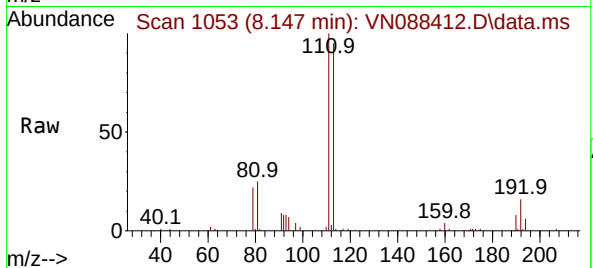
Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.5	123.7
192	16.4	12.8	19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#36

1,1-Dichloropropene

Concen: 0.867 ug/l

RT: 8.359 min Scan# 1089

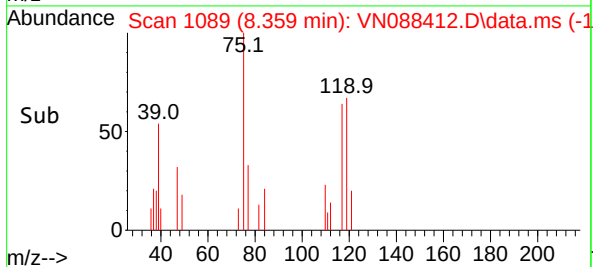
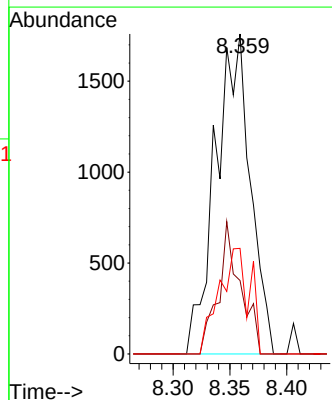
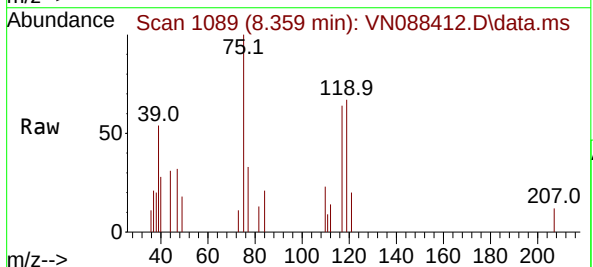
Delta R.T. 0.006 min

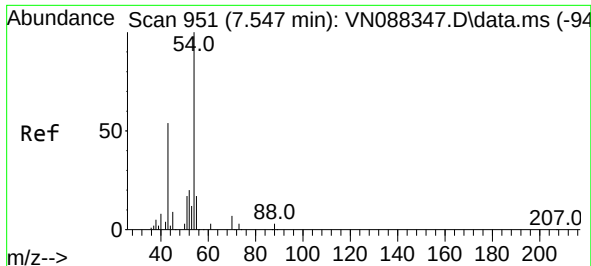
Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

Tgt Ion: 75 Resp: 3760

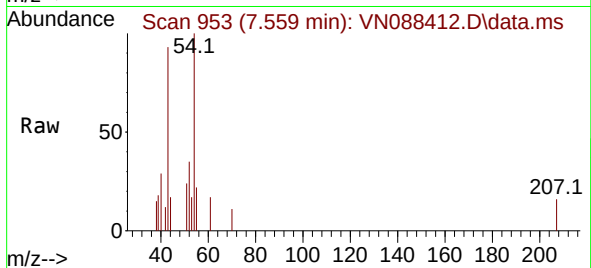
Ion	Ratio	Lower	Upper
75	100		
110	26.1	15.8	47.4
77	28.5	24.2	36.2





#37
Ethyl Acetate
Concen: 0.866 ug/l m
RT: 7.559 min Scan# 953
Delta R.T. 0.012 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

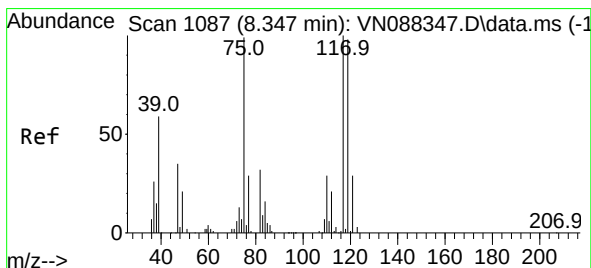
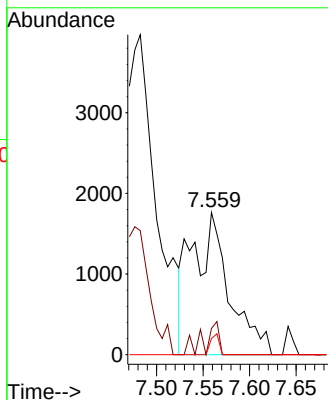
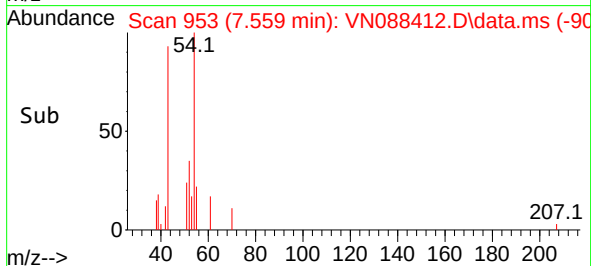
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 43 Resp: 4938
Ion Ratio Lower Upper
43 100
61 7.5 9.5 14.3#
70 3.3 7.1 10.7#

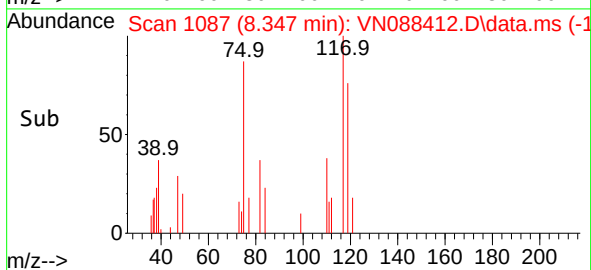
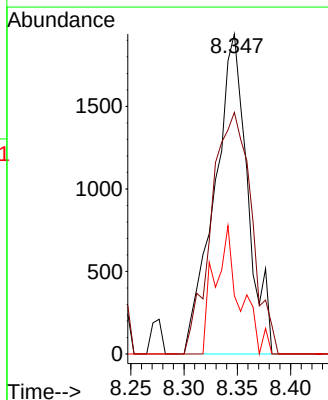
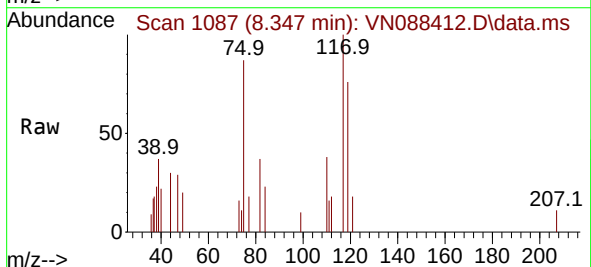
Manual Integrations
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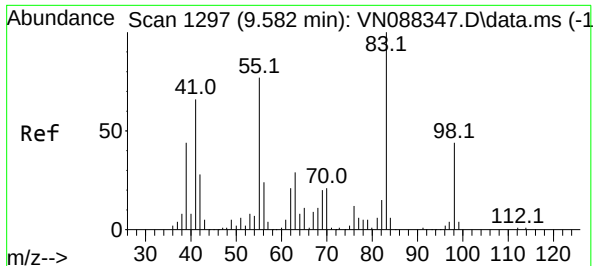
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#38
Carbon Tetrachloride
Concen: 0.970 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

Tgt Ion:117 Resp: 4187
Ion Ratio Lower Upper
117 100
119 75.5 78.2 117.4#
121 18.2 23.4 35.2#





#39

Methylcyclohexane

Concen: 0.939 ug/l

RT: 9.576 min Scan# 1296

Delta R.T. -0.006 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

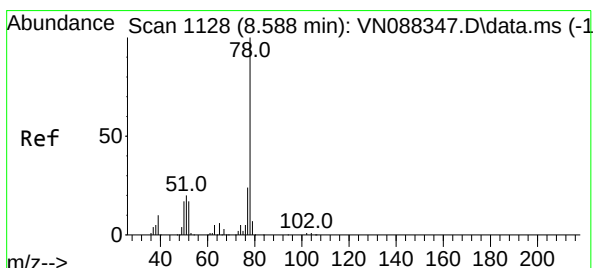
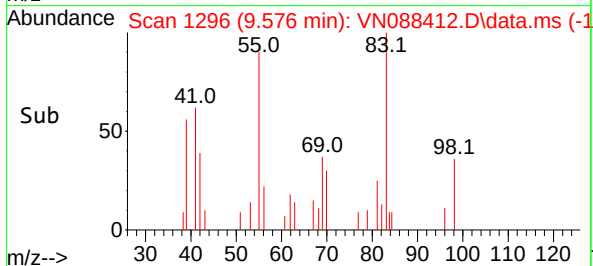
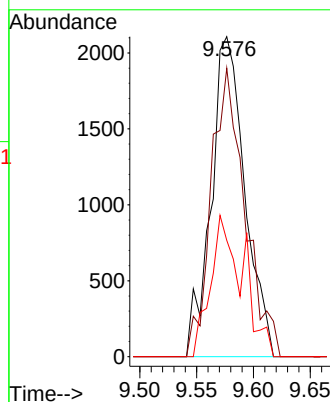
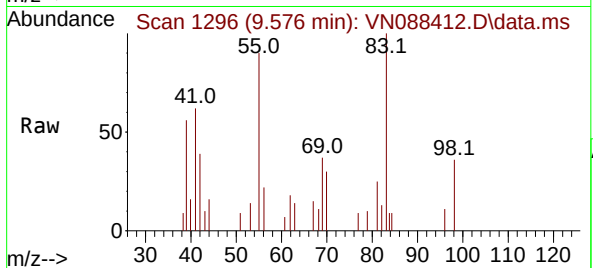
Tgt Ion: 83	Resp: 4350
Ion Ratio	Lower Upper
83	100
55	90.1 61.6 92.4
98	36.4 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#40

Benzene

Concen: 0.946 ug/l

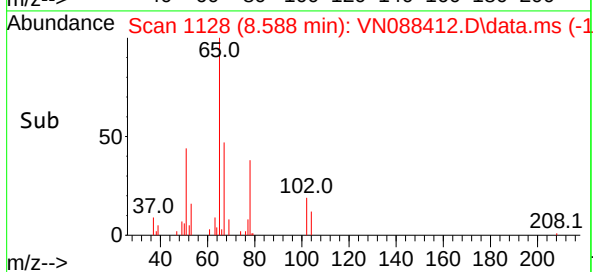
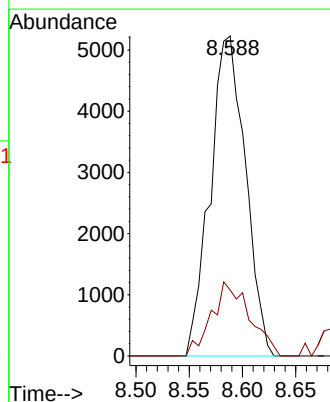
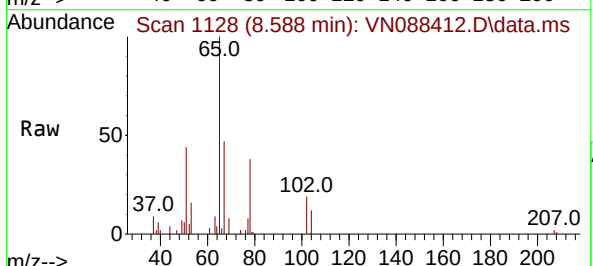
RT: 8.588 min Scan# 1128

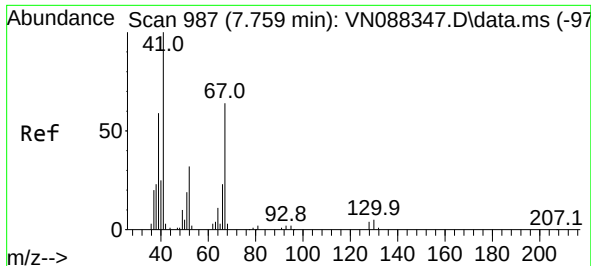
Delta R.T. 0.000 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

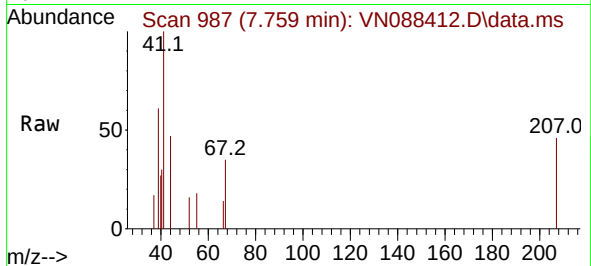
Tgt Ion: 78	Resp: 12031
Ion Ratio	Lower Upper
78	100
77	20.6 19.0 28.4





#41
Methacrylonitrile
Concen: 0.992 ug/l m
RT: 7.759 min Scan# 987
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

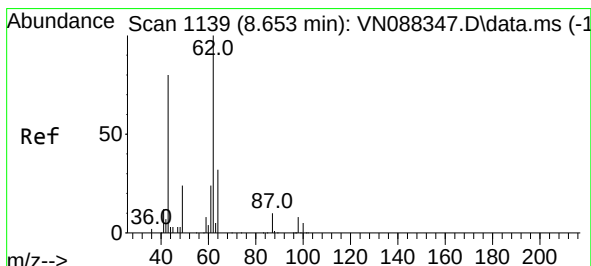
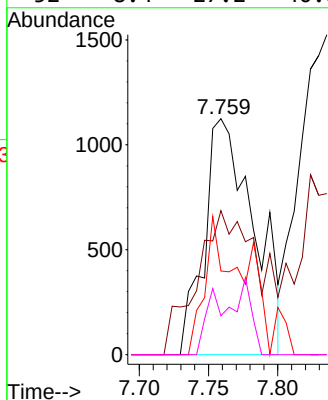
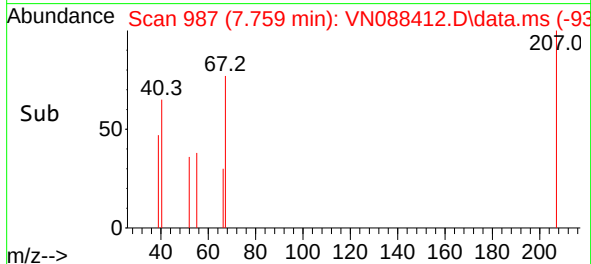
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 41 Resp: 280
Ion Ratio Lower Upper
41 100
39 77.0 46.3 69.5
67 24.3 54.7 82.1
52 8.4 27.2 40.8

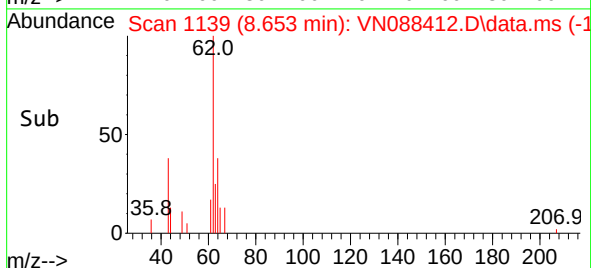
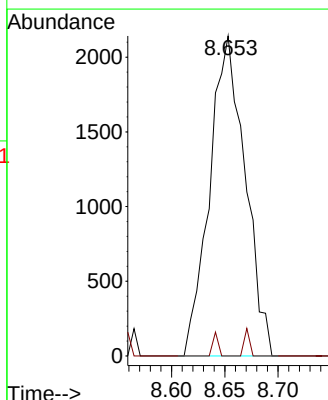
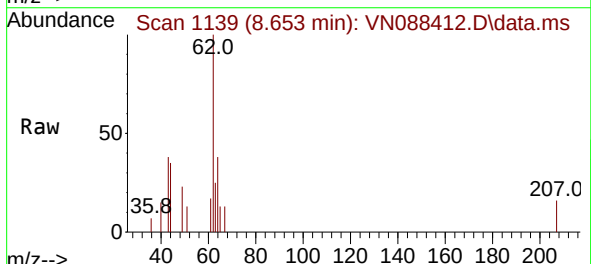
Manual Integrations
APPROVED

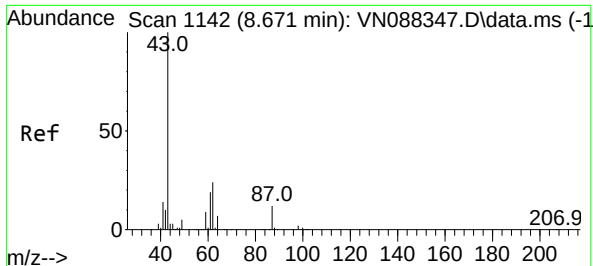
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#42
1,2-Dichloroethane
Concen: 1.023 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

Tgt Ion: 62 Resp: 4967
Ion Ratio Lower Upper
62 100
98 1.1 0.0 16.2





#43

Isopropyl Acetate

Concen: 0.761 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN088412.D

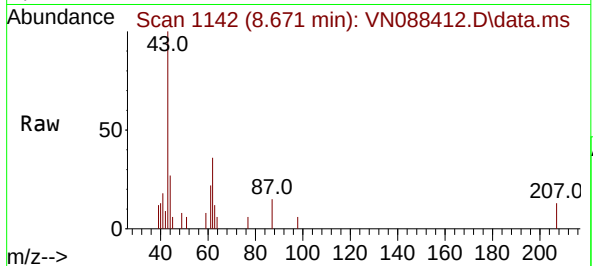
Acq: 02 Dec 2025 16:23

Instrument :

MSVOA_N

ClientSampleId :

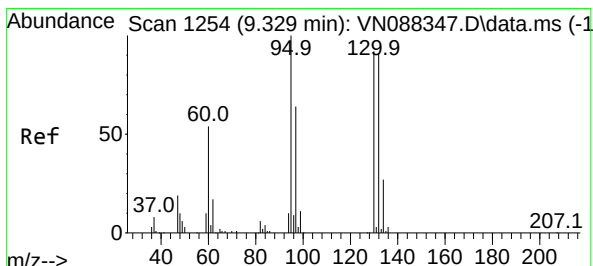
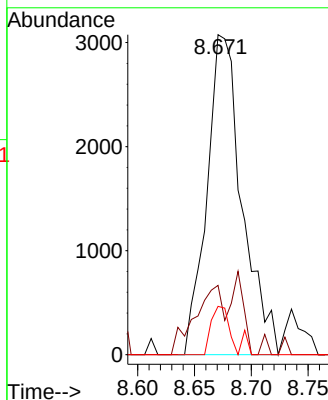
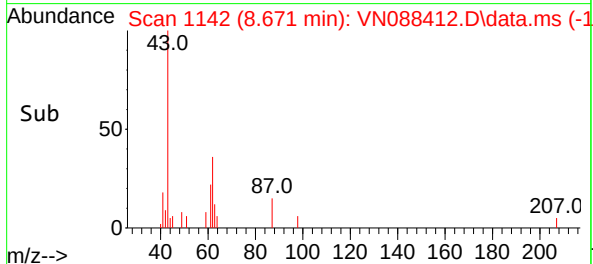
LOQ-WATER-02-QT4-2025



Tgt Ion: 43	Resp: 6630
Ion Ratio	Lower Upper
43	100
61	17.5 18.7 28.1
87	7.5 9.1 13.7

Manual Integrations
APPROVED

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



#44

Trichloroethene

Concen: 0.907 ug/l

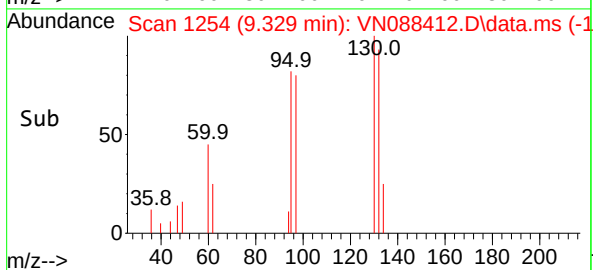
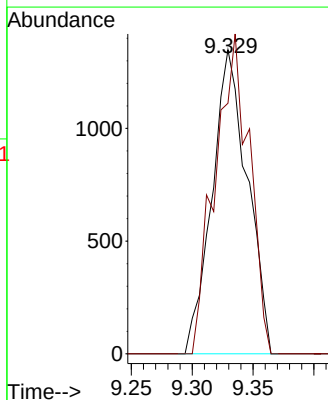
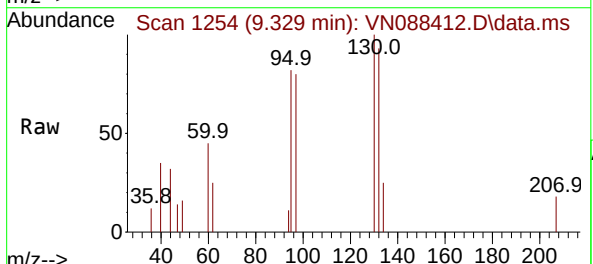
RT: 9.329 min Scan# 1254

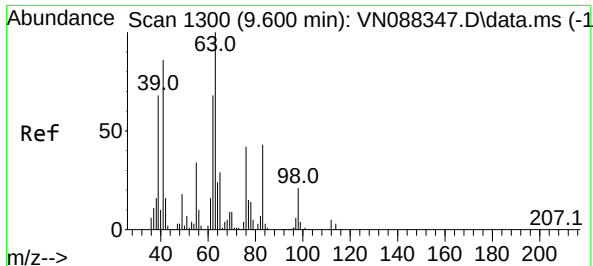
Delta R.T. 0.000 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

Tgt Ion:130	Resp: 2726
Ion Ratio	Lower Upper
130	100
95	82.4 0.0 217.0





#45

1,2-Dichloropropane

Concen: 0.843 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 63 Resp: 274

Ion Ratio Lower Upper

63 100

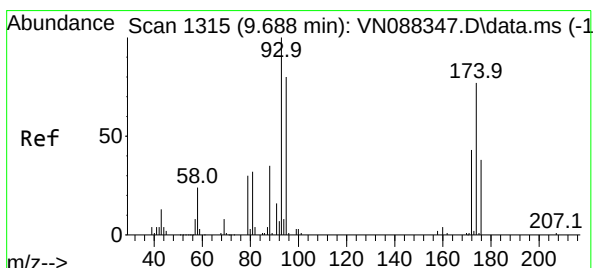
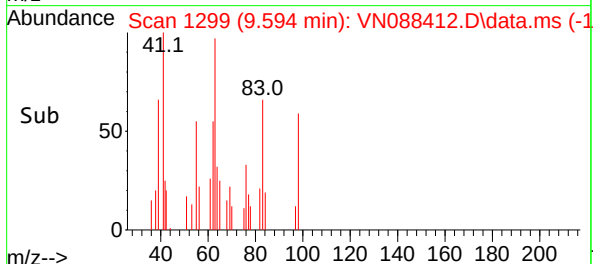
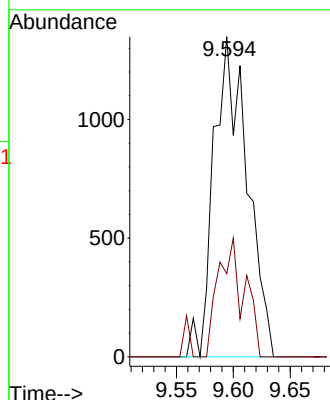
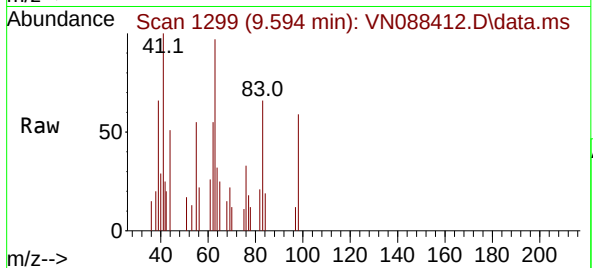
65 25.9 23.0 34.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#46

Dibromomethane

Concen: 0.864 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

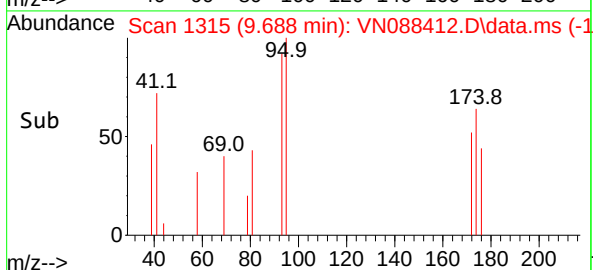
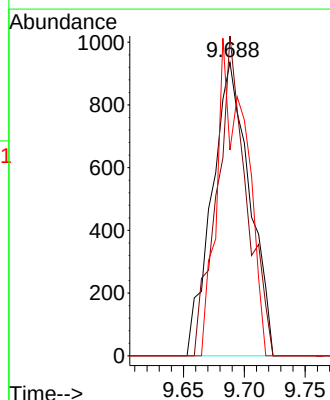
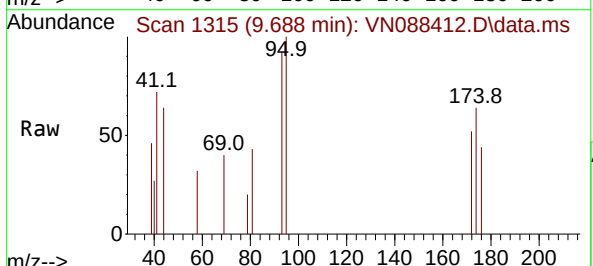
Tgt Ion: 93 Resp: 2011

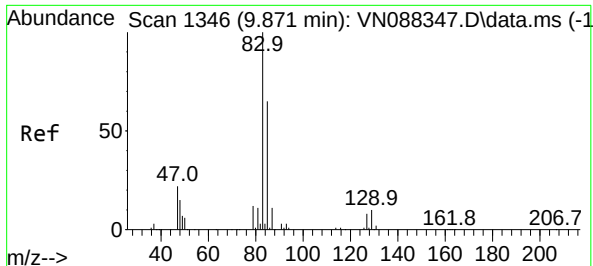
Ion Ratio Lower Upper

93 100

95 85.6 65.8 98.6

174 83.3 64.3 96.5





#47

Bromodichloromethane

Concen: 0.938 ug/l

RT: 9.859 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

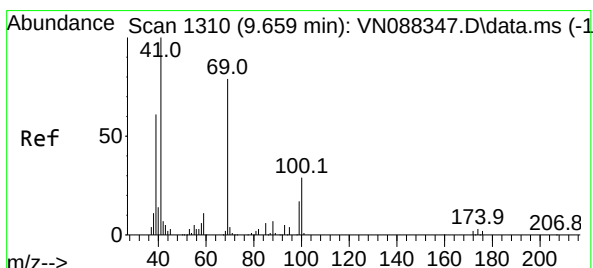
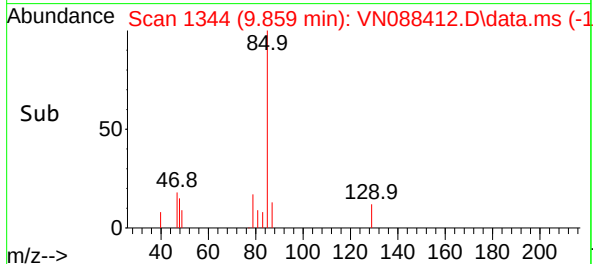
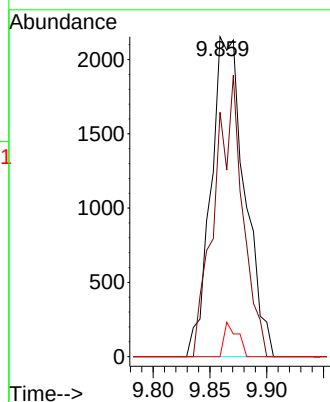
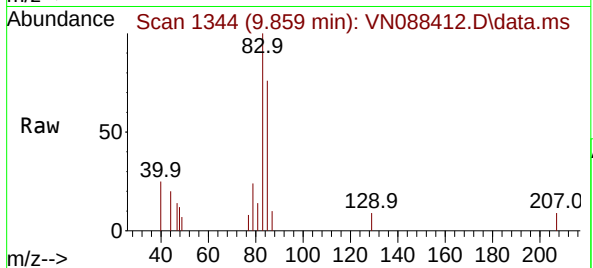
Tgt Ion:	83	Resp:	445
Ion	Ratio	Lower	Upper
83	100		
85	76.4	51.9	77.9
127	0.0	6.3	9.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#48

Methyl methacrylate

Concen: 0.910 ug/l m

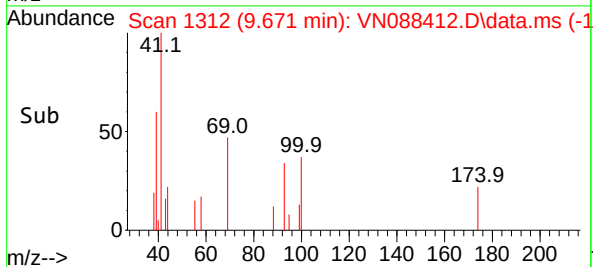
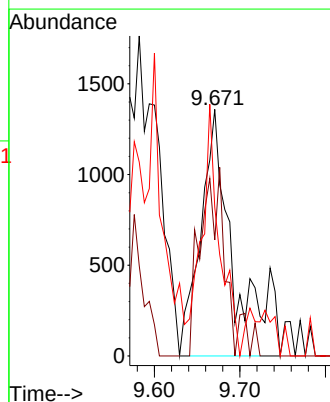
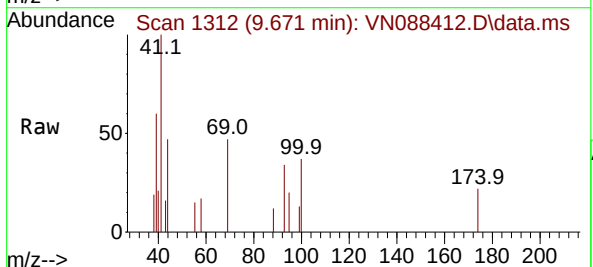
RT: 9.671 min Scan# 1312

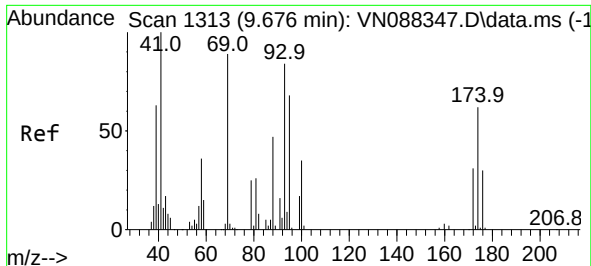
Delta R.T. 0.012 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

Tgt Ion:	41	Resp:	3615
Ion	Ratio	Lower	Upper
41	100		
69	53.7	62.4	93.6
39	56.7	52.6	79.0





#49

1,4-Dioxane

Concen: 6.768 ug/l m

RT: 9.682 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN088412.D

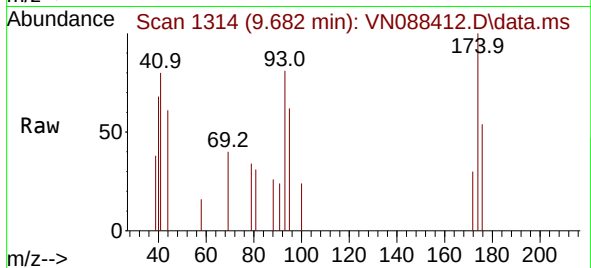
Acq: 02 Dec 2025 16:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025



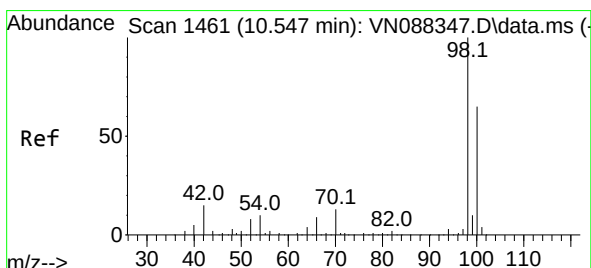
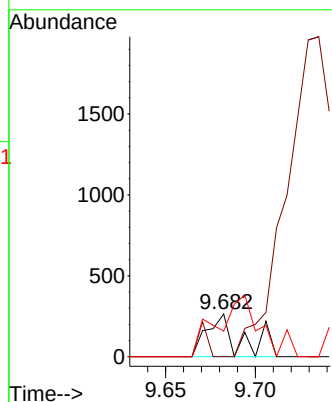
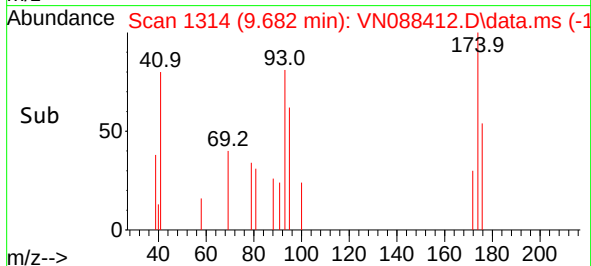
Tgt Ion: 88	Resp: 34
Ion Ratio	Lower Upper
88 100	
43 0.0 0.0 0.0	
58 186.8 62.0 93.0	

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#50

Toluene-d8

Concen: 44.497 ug/l

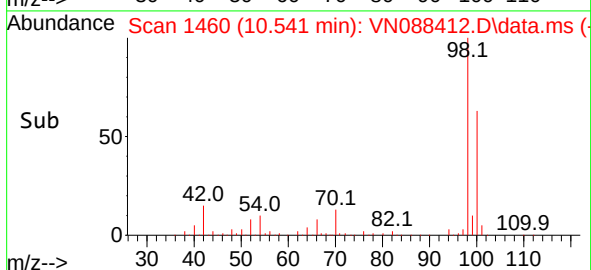
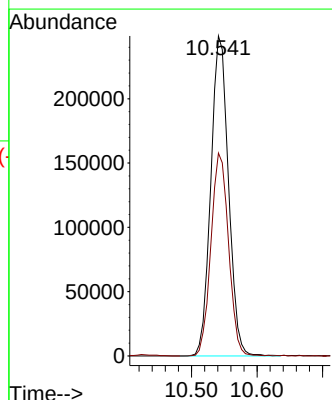
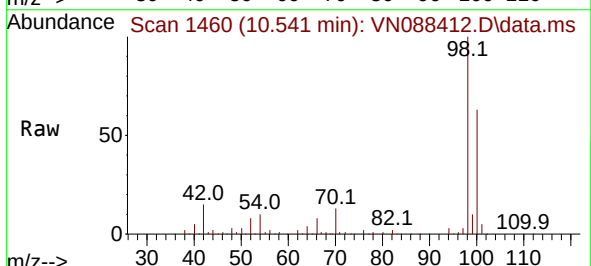
RT: 10.541 min Scan# 1460

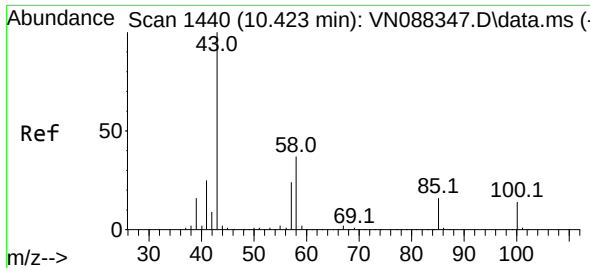
Delta R.T. -0.006 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

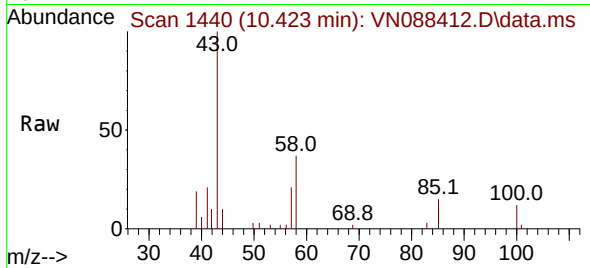
Tgt Ion: 98	Resp: 465017
Ion Ratio	Lower Upper
98 100	
100 63.2 52.2 78.2	





#51
4-Methyl-2-Pentanone
Concen: 3.908 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

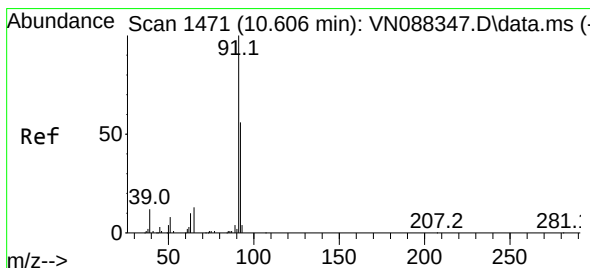
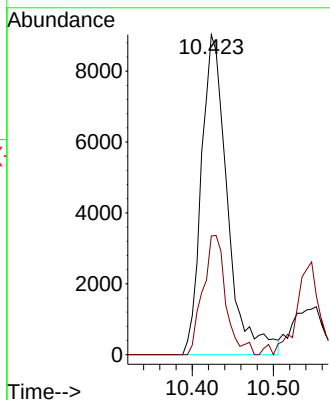
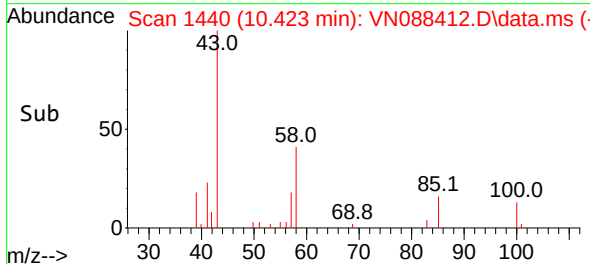
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 43 Resp: 2006
Ion Ratio Lower Upper
43 100
58 32.7 29.1 43.7

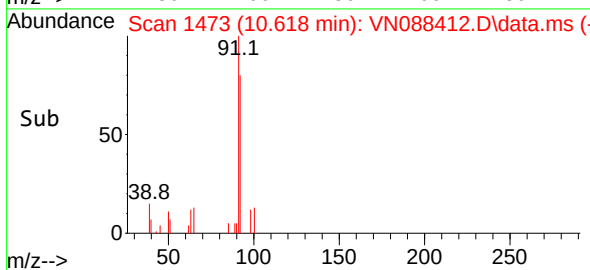
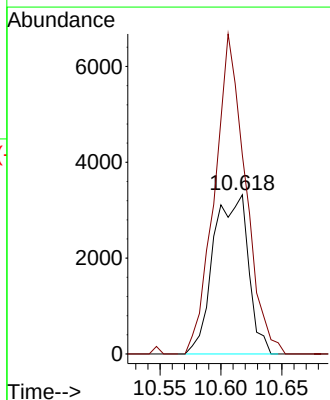
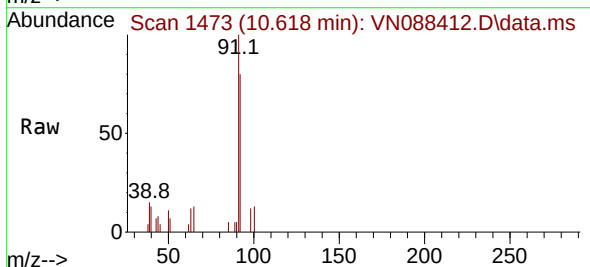
Manual Integrations
APPROVED

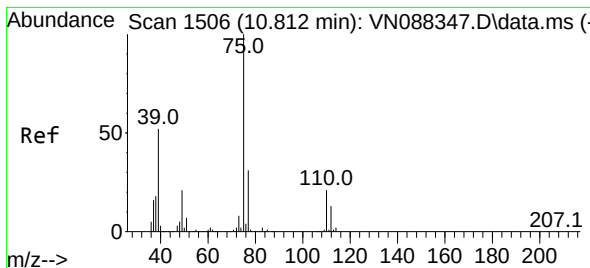
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#52
Toluene
Concen: 0.904 ug/l
RT: 10.618 min Scan# 1473
Delta R.T. 0.012 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

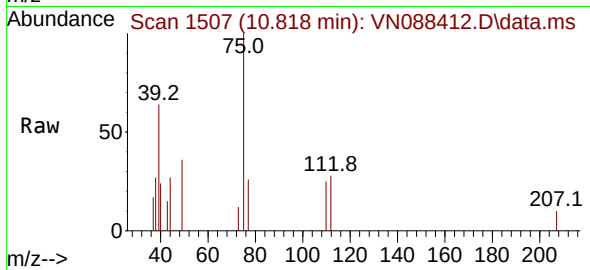
Tgt Ion: 92 Resp: 6640
Ion Ratio Lower Upper
92 100
91 177.4 140.2 210.2





#53
t-1,3-Dichloropropene
Concen: 0.698 ug/l
RT: 10.818 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

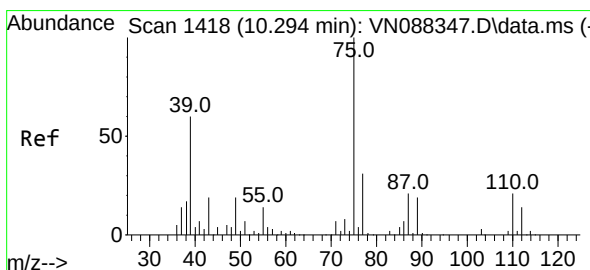
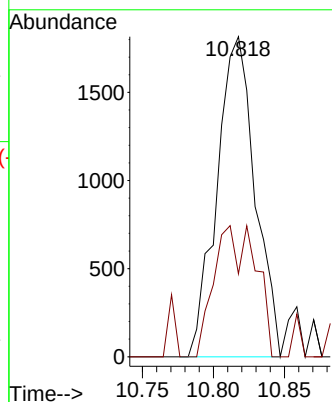
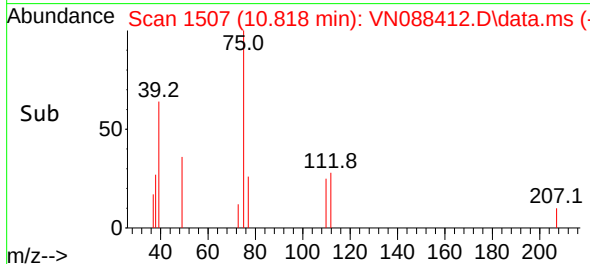
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 75 Resp: 3399
Ion Ratio Lower Upper
75 100
77 25.9 24.8 37.2

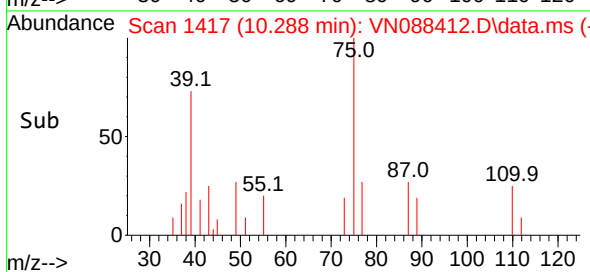
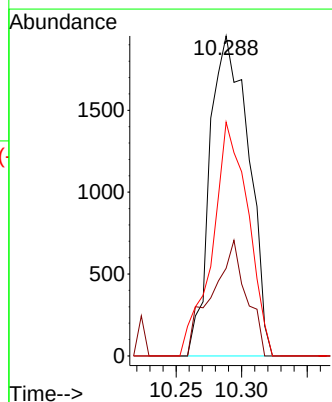
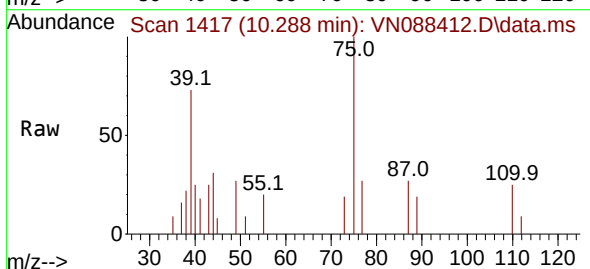
Manual Integrations
APPROVED

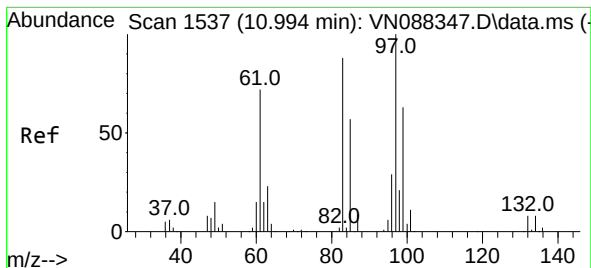
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#54
cis-1,3-Dichloropropene
Concen: 0.782 ug/l
RT: 10.288 min Scan# 1417
Delta R.T. -0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

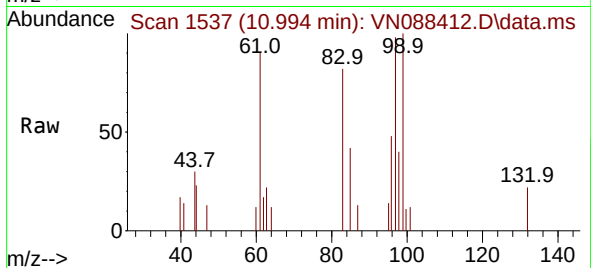
Tgt Ion: 75 Resp: 4009
Ion Ratio Lower Upper
75 100
77 27.4 24.5 36.7
39 73.0 48.3 72.5#





#55
1,1,2-Trichloroethane
Concen: 0.856 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

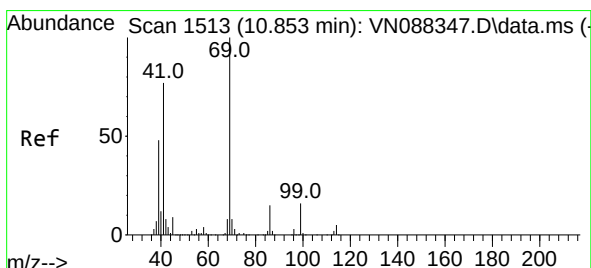
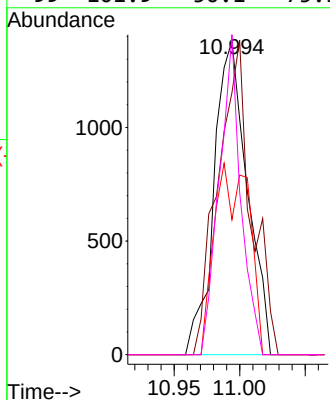
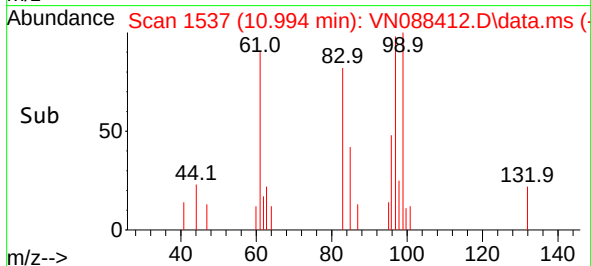
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 97 Resp: 2434
Ion Ratio Lower Upper
97 100
83 83.4 70.4 105.6
85 43.0 45.4 68.2
99 101.9 50.1 75.1#

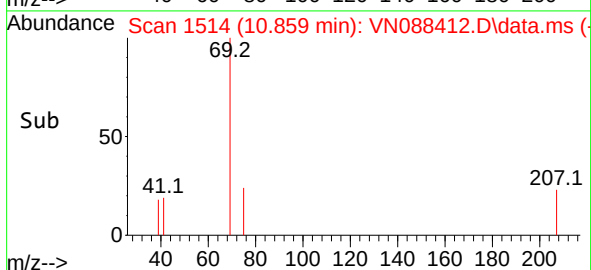
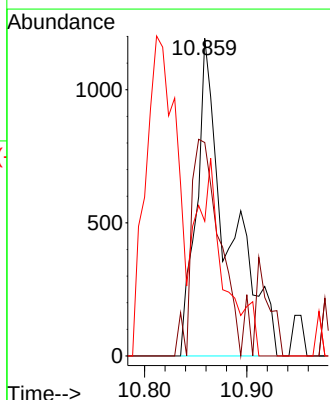
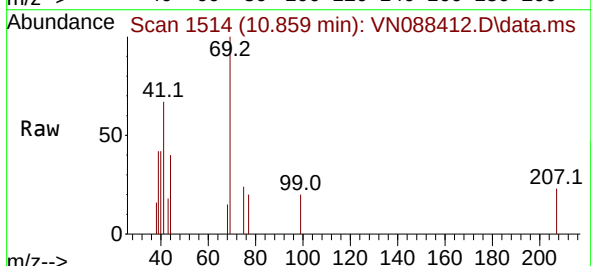
Manual Integrations
APPROVED

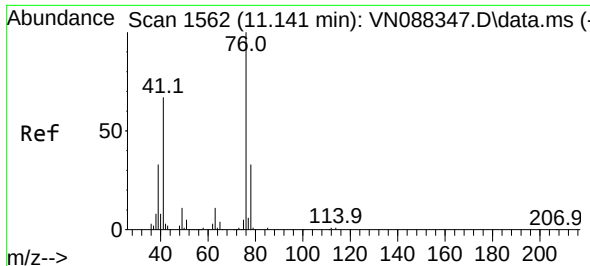
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#56
Ethyl methacrylate
Concen: 0.571 ug/l m
RT: 10.859 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

Tgt Ion: 69 Resp: 2564
Ion Ratio Lower Upper
69 100
41 61.1 59.6 89.4
39 55.0 36.4 54.6#





#57

1,3-Dichloropropane

Concen: 0.853 ug/l

RT: 11.141 min Scan# 1562

Delta R.T. 0.000 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 76 Resp: 4372

Ion Ratio Lower Upper

76 100

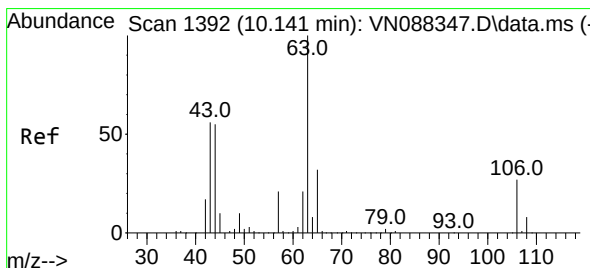
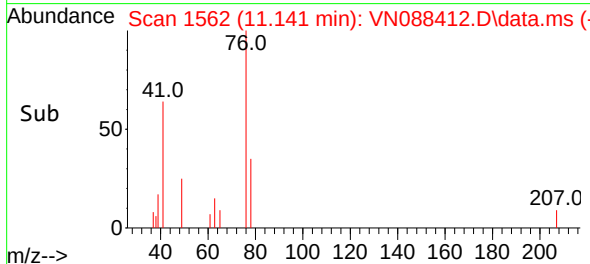
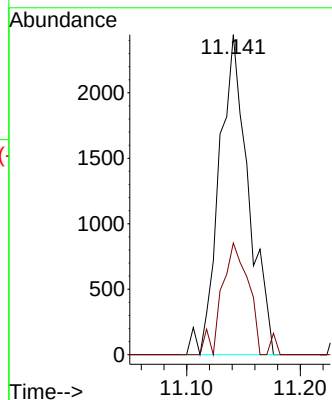
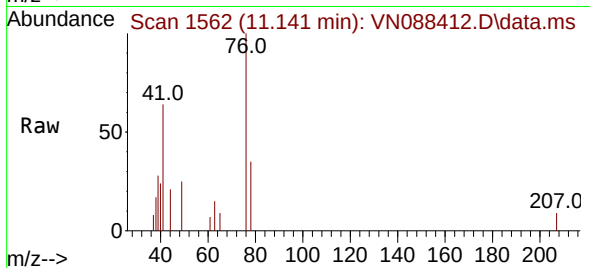
78 31.4 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#58

2-Chloroethyl Vinyl ether

Concen: 2.532 ug/l

RT: 10.135 min Scan# 1391

Delta R.T. -0.006 min

Lab File: VN088412.D

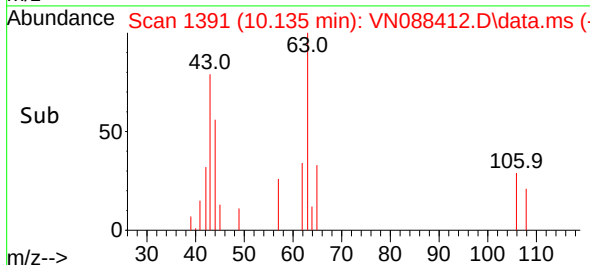
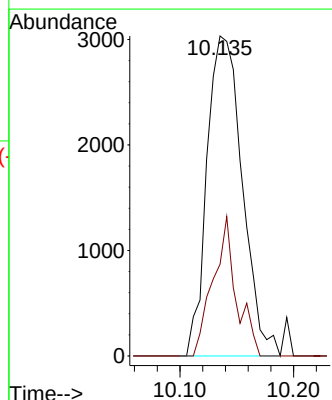
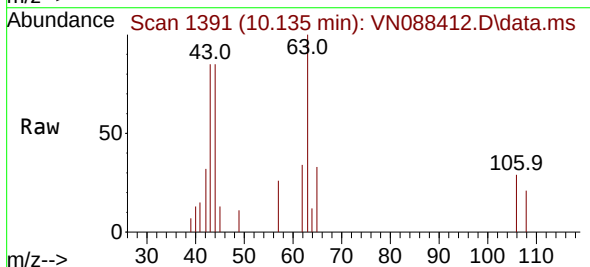
Acq: 02 Dec 2025 16:23

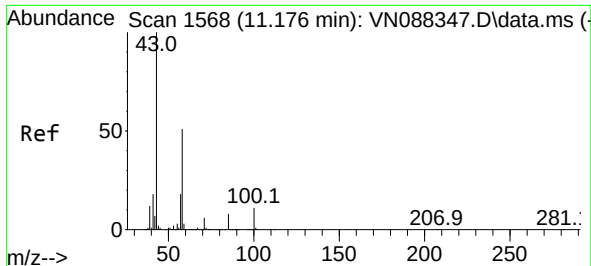
Tgt Ion: 63 Resp: 6554

Ion Ratio Lower Upper

63 100

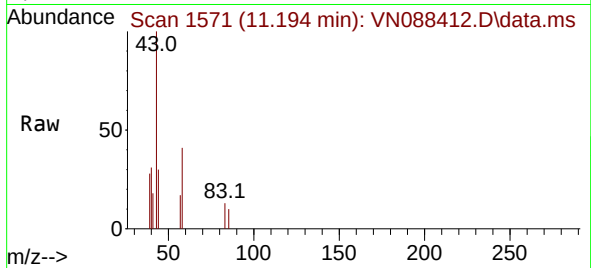
106 28.8 20.5 30.7





#59
2-Hexanone
Concen: 3.768 ug/l m
RT: 11.194 min Scan# 1571
Delta R.T. 0.018 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

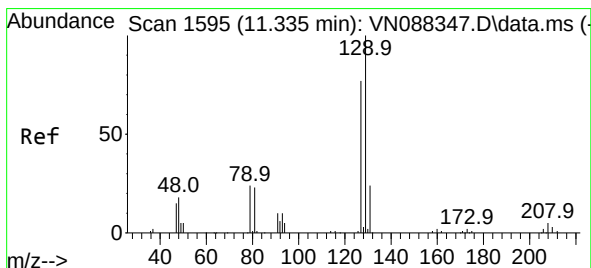
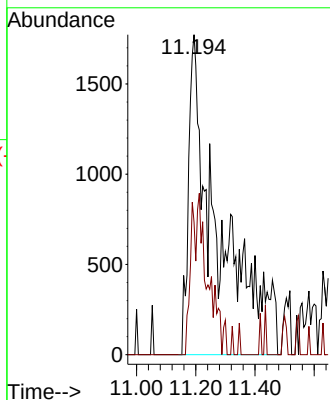
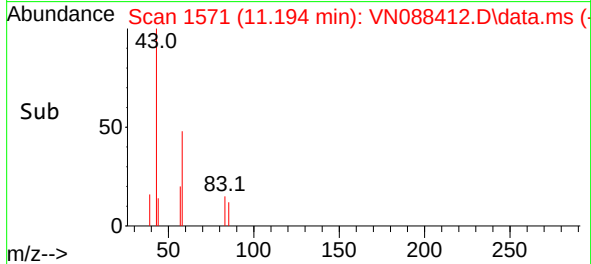
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 43 Resp: 1218
Ion Ratio Lower Upper
43 100
58 0.8 25.3 75.9

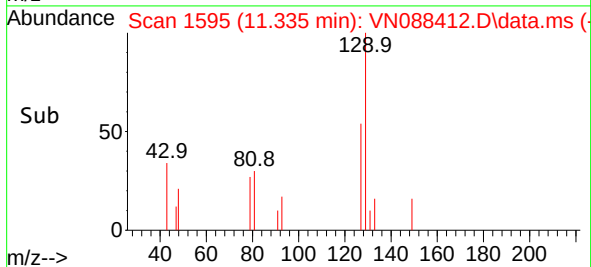
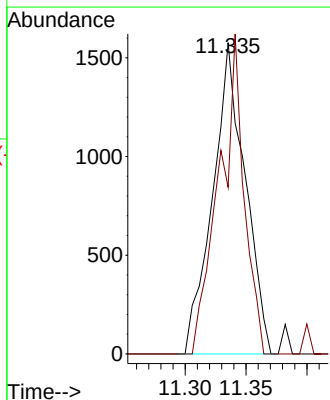
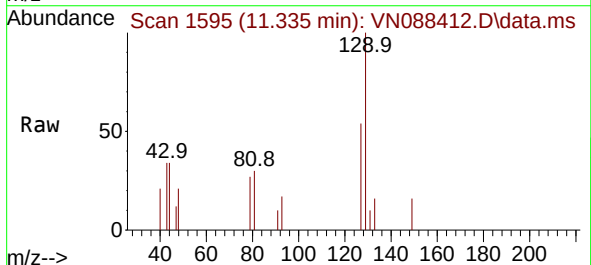
Manual Integrations
APPROVED

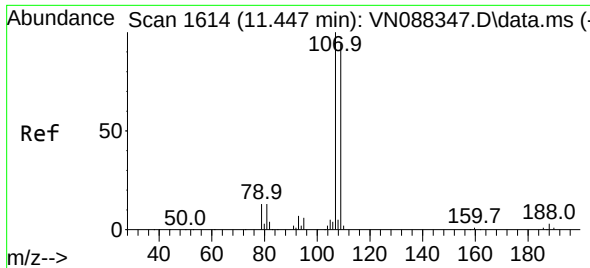
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#60
Dibromochloromethane
Concen: 0.902 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

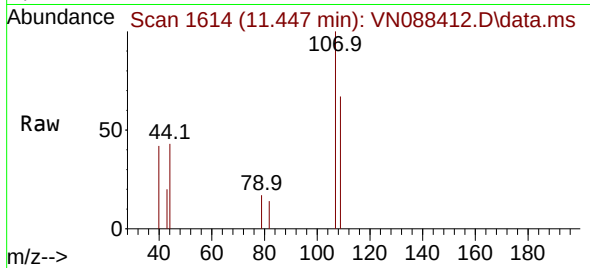
Tgt Ion:129 Resp: 2923
Ion Ratio Lower Upper
129 100
127 79.2 38.2 114.6





#61
1,2-Dibromoethane
Concen: 0.889 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

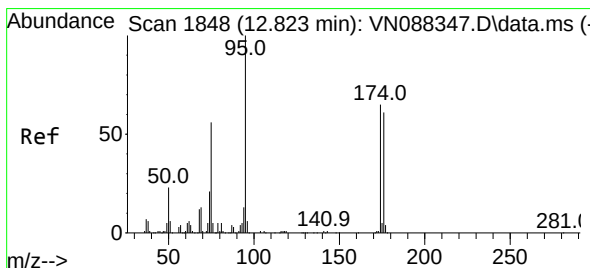
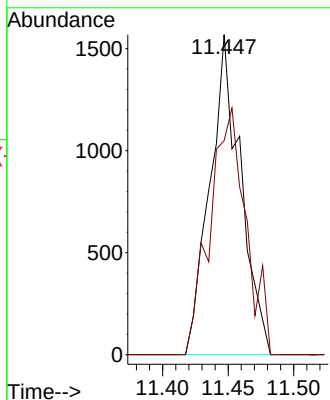
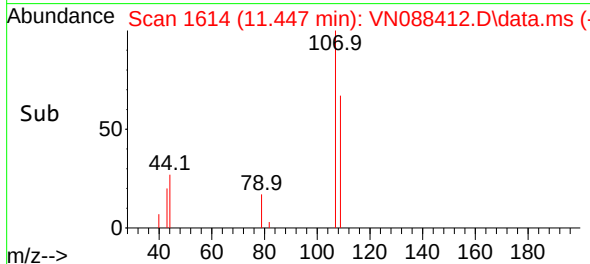
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



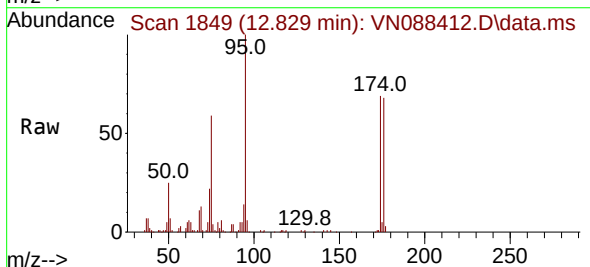
Tgt Ion:107 Resp: 255
Ion Ratio Lower Upper
107 100
109 90.5 74.6 112.0

Manual Integrations
APPROVED

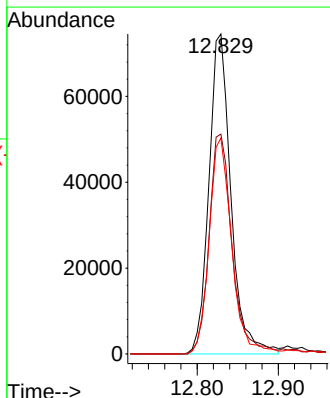
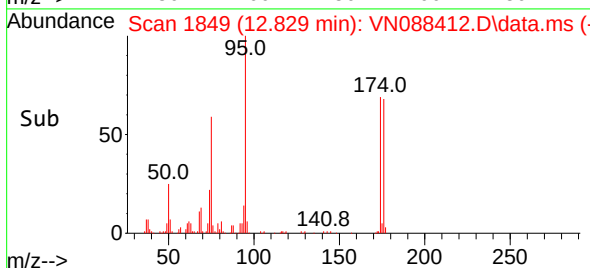
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

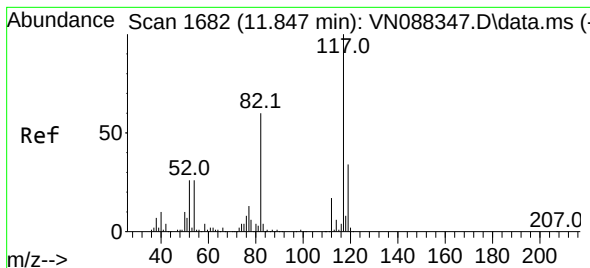


#62
4-Bromofluorobenzene
Concen: 39.244 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23



Tgt Ion: 95 Resp: 140718
Ion Ratio Lower Upper
95 100
174 71.5 0.0 139.0
176 69.0 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: VN088412.D

Acq: 02 Dec 2025 16:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion:117 Resp: 35369

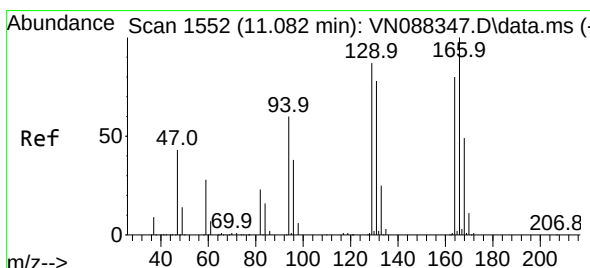
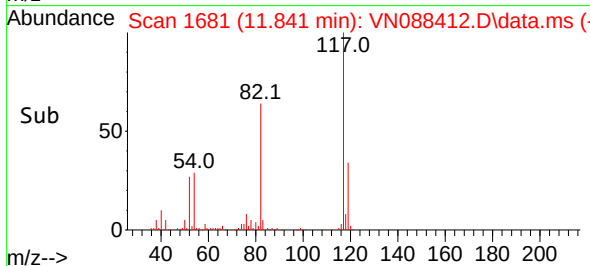
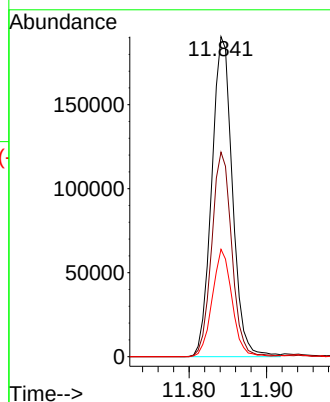
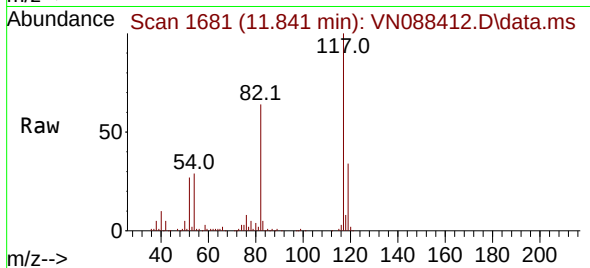
Ion	Ratio	Lower	Upper
117	100		
82	63.9	47.8	71.8
119	33.6	26.9	40.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#64

Tetrachloroethene

Concen: 0.949 ug/l

RT: 11.082 min Scan# 1552

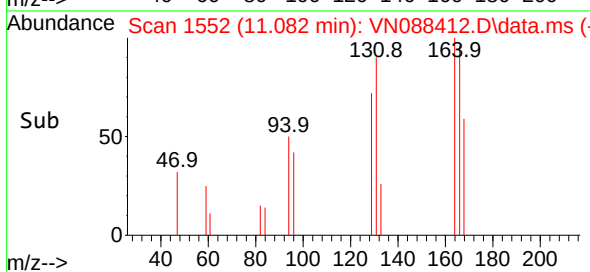
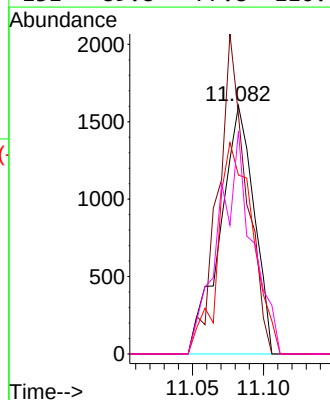
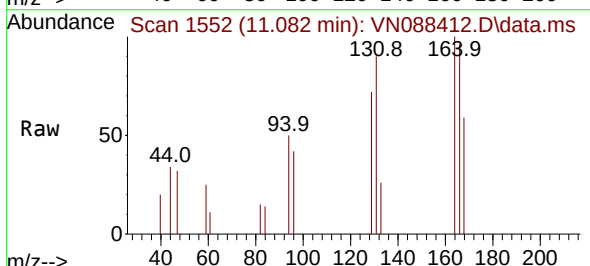
Delta R.T. 0.000 min

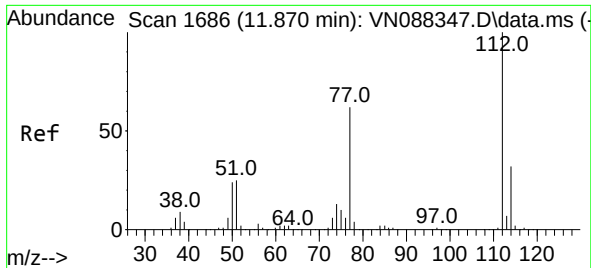
Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

Tgt Ion:164 Resp: 2661

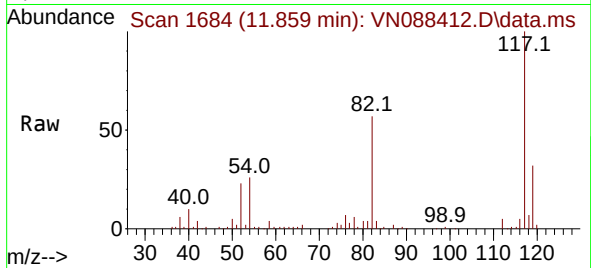
Ion	Ratio	Lower	Upper
164	100		
166	96.3	99.6	149.4#
129	72.1	86.6	129.8#
131	89.8	77.8	116.6





#65
Chlorobenzene
Concen: 0.880 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.012 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

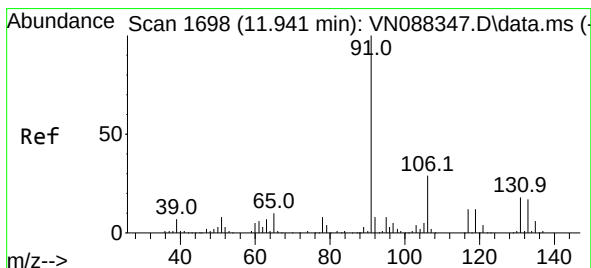
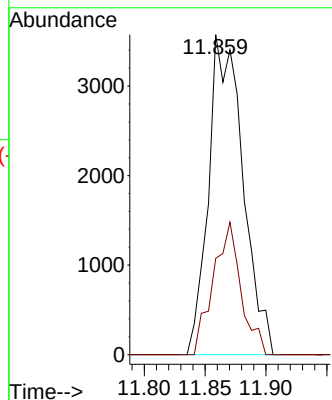
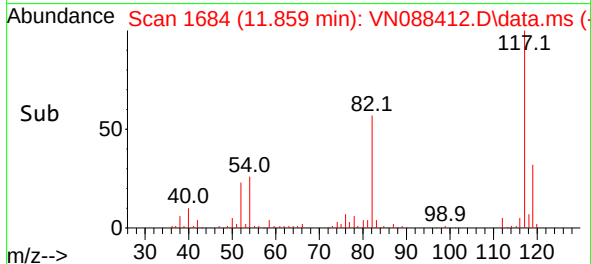
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2025



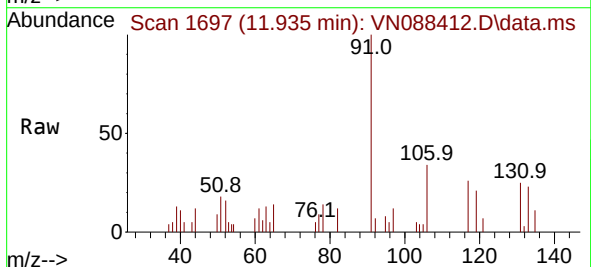
Tgt Ion:112 Resp: 698
Ion Ratio Lower Upper
112 100
114 30.1 25.4 38.2

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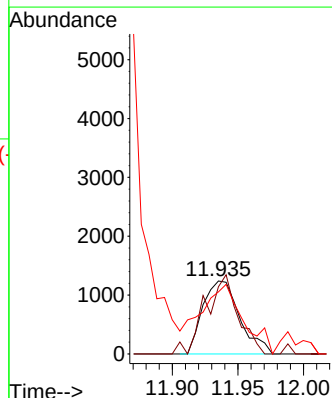
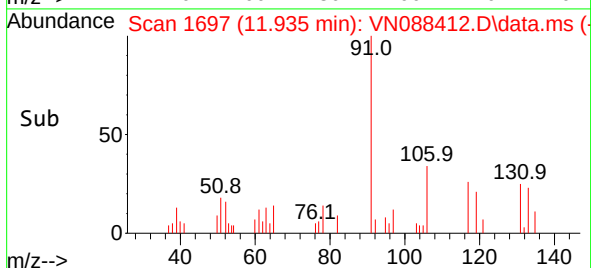
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

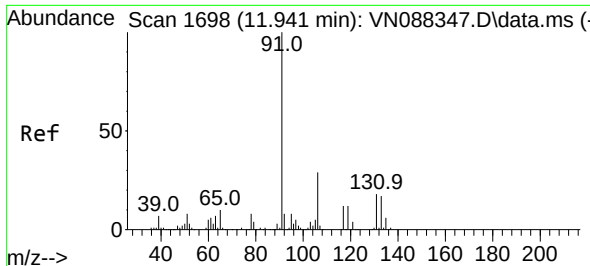


#66
1,1,1,2-Tetrachloroethane
Concen: 0.908 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23



Tgt Ion:131 Resp: 2432
Ion Ratio Lower Upper
131 100
133 95.7 47.4 142.2
119 0.0 33.4 100.1#





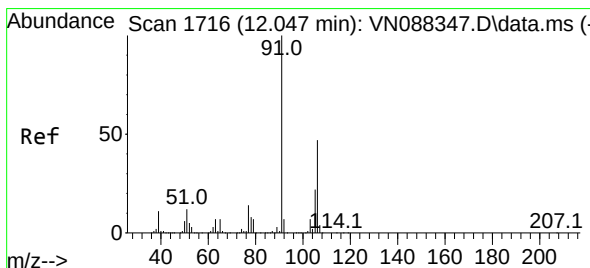
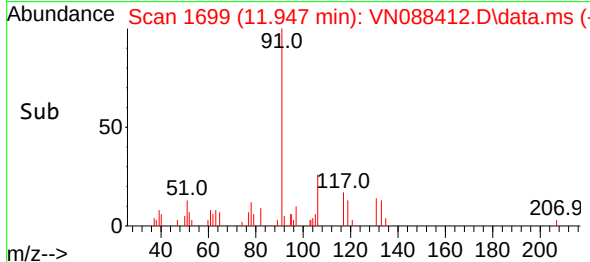
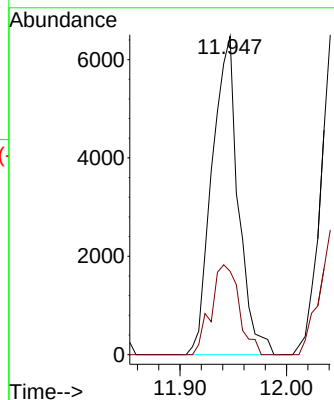
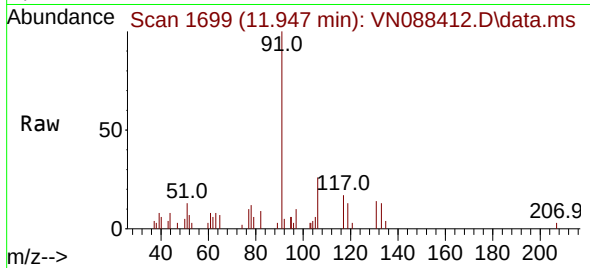
#67
Ethyl Benzene
Concen: 0.800 ug/l
RT: 11.947 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

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

Tgt Ion: 91 Resp: 1111
Ion Ratio Lower Upper
91 100
106 26.2 23.6 35.4

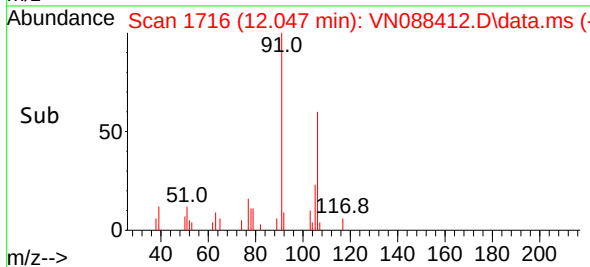
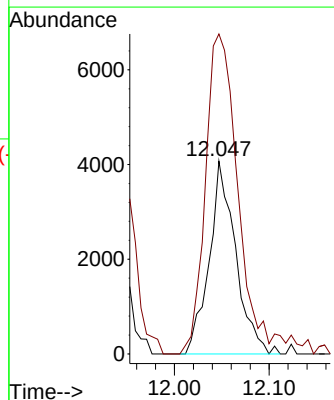
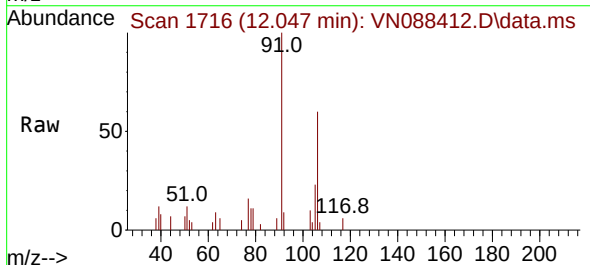
Manual Integrations
APPROVED

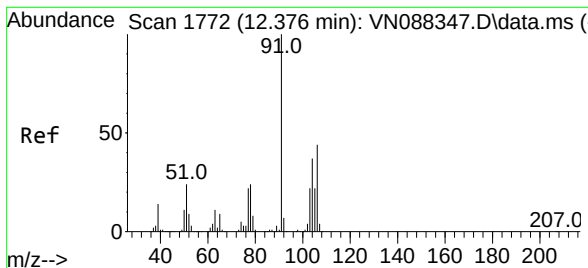
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#68
m/p-Xylenes
Concen: 1.537 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

Tgt Ion:106 Resp: 7911
Ion Ratio Lower Upper
106 100
91 209.1 167.8 251.6





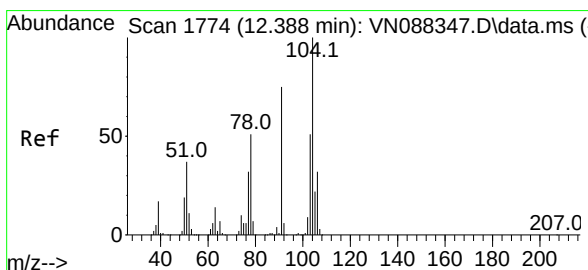
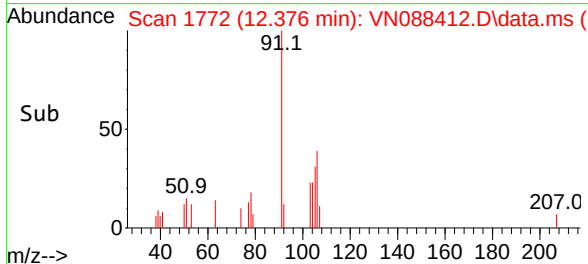
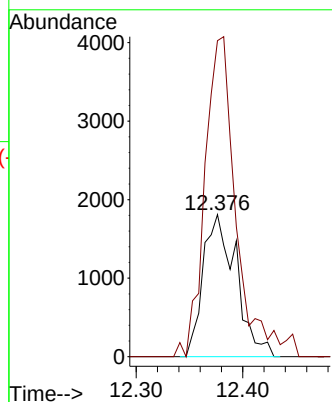
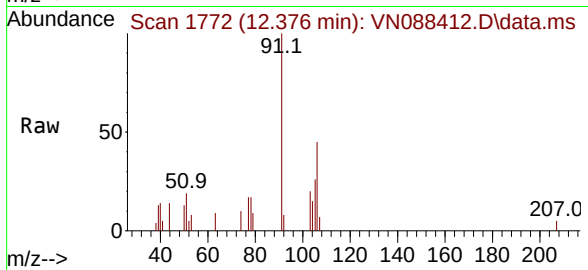
#69
o-Xylene
Concen: 0.797 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

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

Tgt Ion:106 Resp: 3912
Ion Ratio Lower Upper
106 100
91 212.8 112.9 338.7

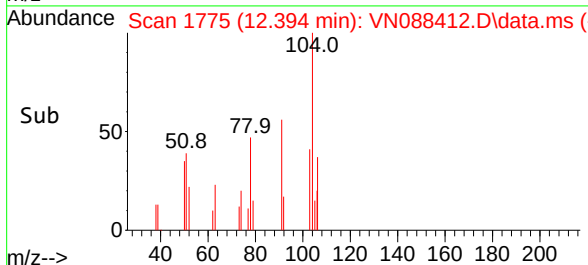
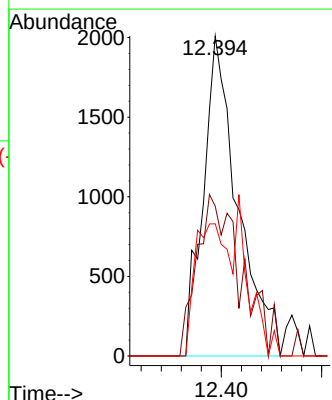
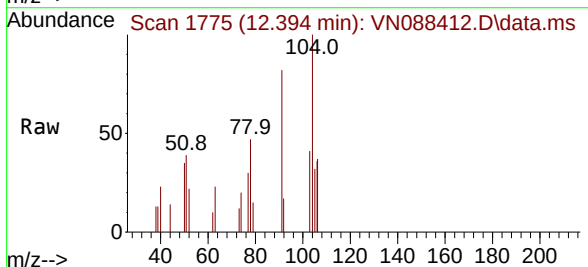
Manual Integrations
APPROVED

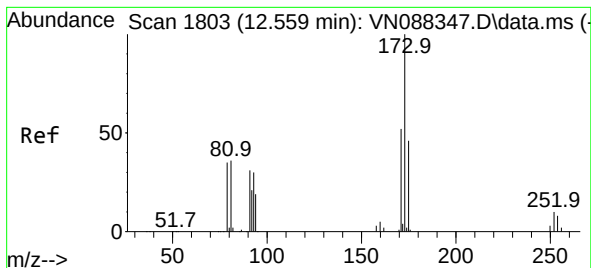
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#70
Styrene
Concen: 0.605 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

Tgt Ion:104 Resp: 4822
Ion Ratio Lower Upper
104 100
78 64.6 44.3 66.5
103 40.3 44.2 66.4#





#71

Bromoform

Concen: 0.914 ug/l

RT: 12.553 min Scan# 1802

Delta R.T. -0.006 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

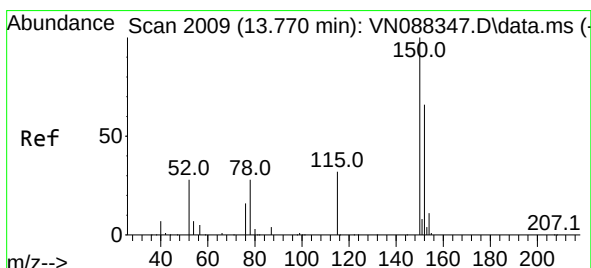
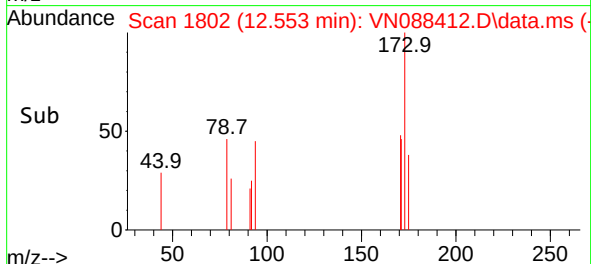
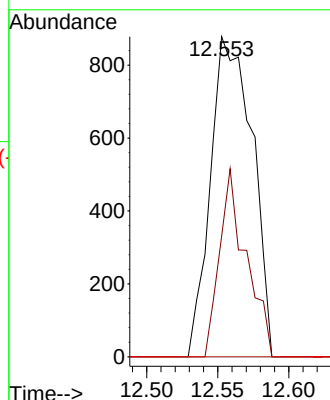
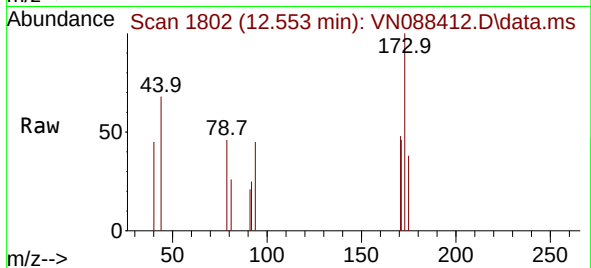
Tgt Ion:173	Resp:	1794
Ion Ratio	Lower	Upper
173	100	
175	37.4	23.9 71.8
254	0.0	0.1 0.1

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

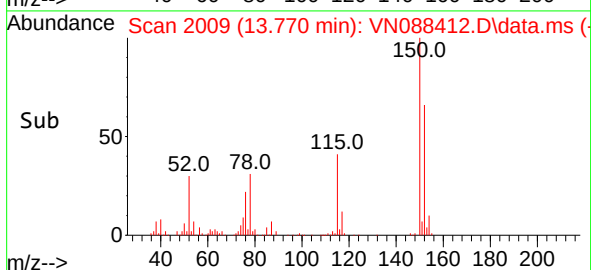
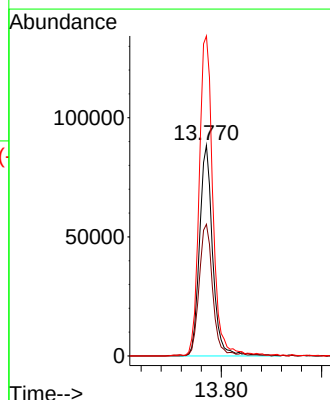
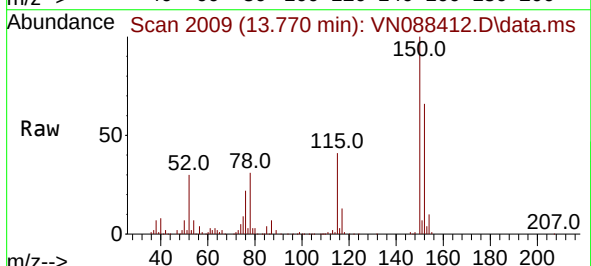
RT: 13.770 min Scan# 2009

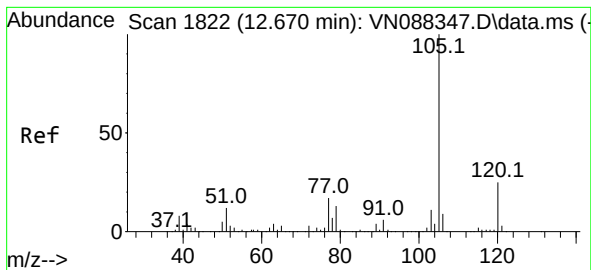
Delta R.T. 0.000 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

Tgt Ion:152	Resp:	160532
Ion Ratio	Lower	Upper
152	100	
115	63.5	33.0 98.9
150	158.4	0.0 349.0





#73

Isopropylbenzene

Concen: 0.708 ug/l

RT: 12.670 min Scan# 1822

Delta R.T. 0.000 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

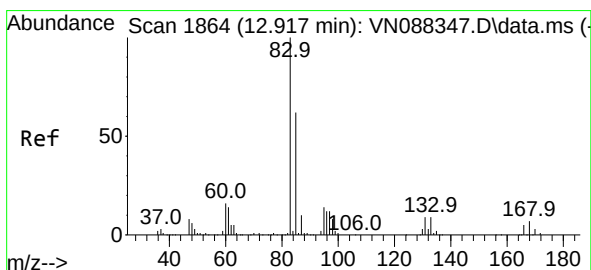
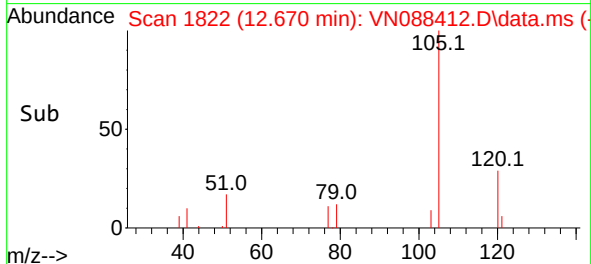
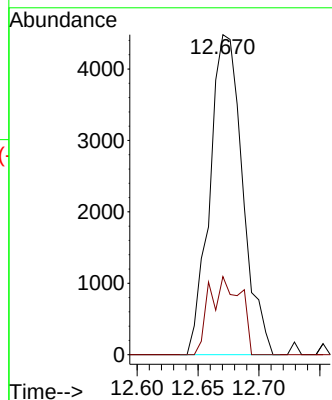
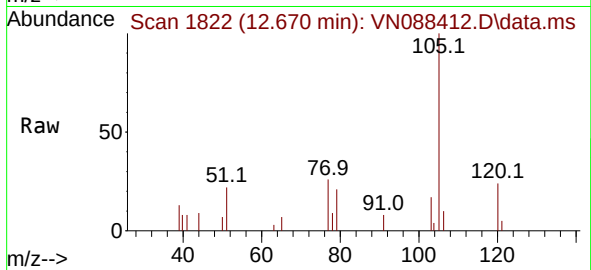
Tgt Ion:105 Resp: 8400
 Ion Ratio Lower Upper
 105 100
 120 23.1 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#75

1,1,2,2-Tetrachloroethane

Concen: 1.006 ug/l

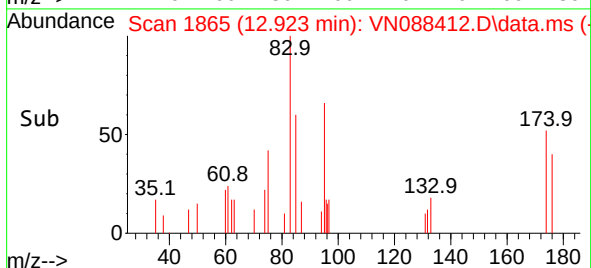
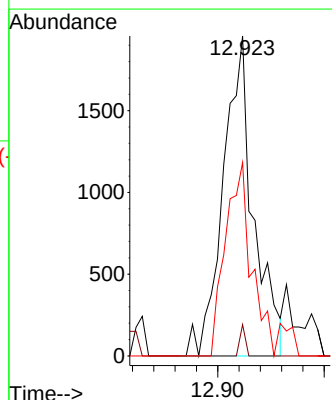
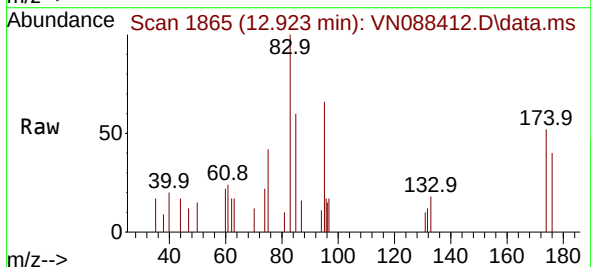
RT: 12.923 min Scan# 1865

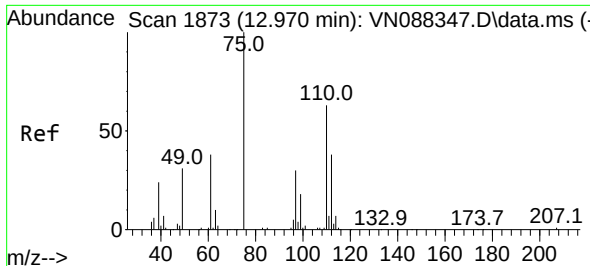
Delta R.T. 0.006 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

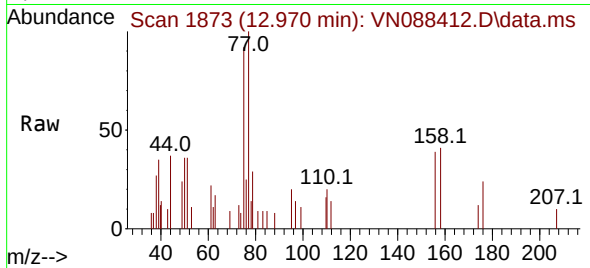
Tgt Ion: 83 Resp: 3859
 Ion Ratio Lower Upper
 83 100
 131 1.8 4.8 14.4#
 85 51.8 32.1 96.5





#76
1,2,3-Trichloropropane
Concen: 1.257 ug/l m
RT: 12.970 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

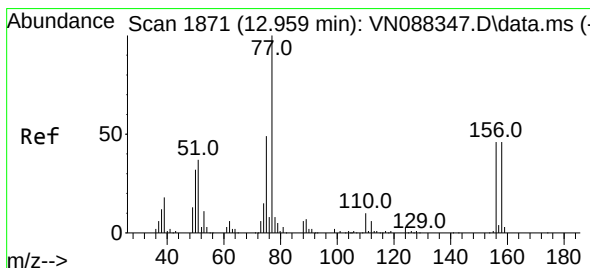
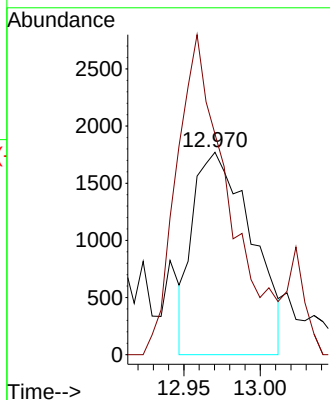
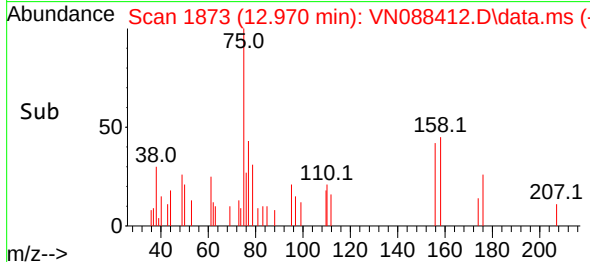
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 75 Resp: 4725
Ion Ratio Lower Upper
75 100
77 140.5 87.2 261.6

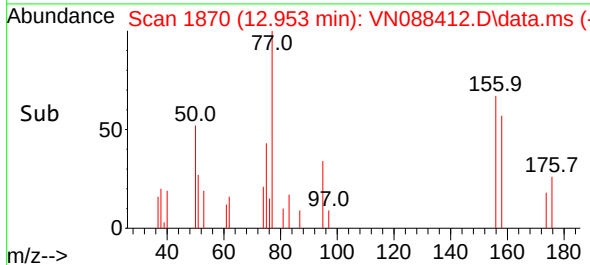
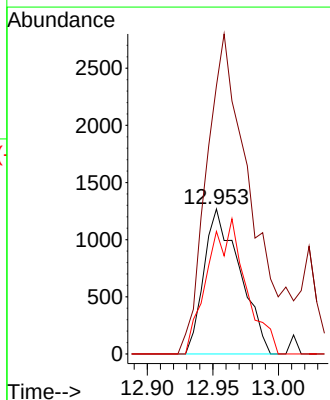
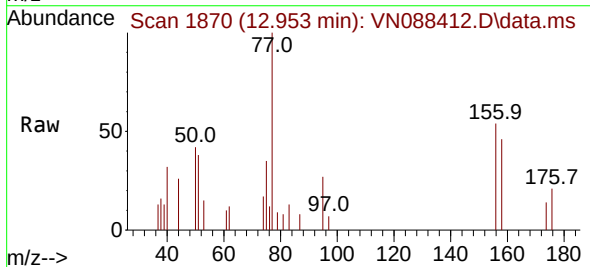
Manual Integrations
APPROVED

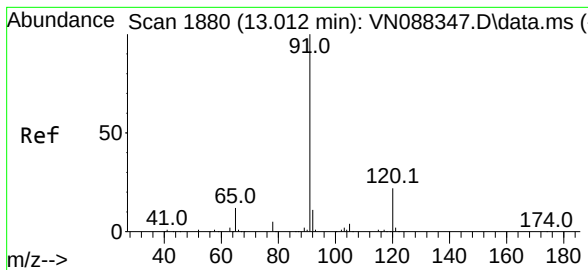
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#77
Bromobenzene
Concen: 0.889 ug/l
RT: 12.953 min Scan# 1870
Delta R.T. -0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

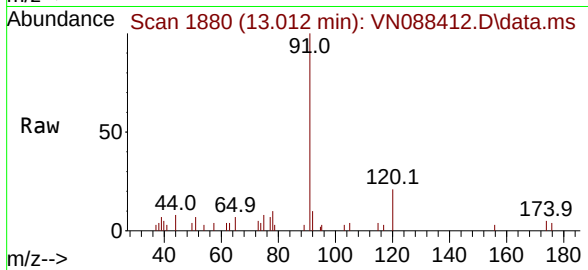
Tgt Ion:156 Resp: 2415
Ion Ratio Lower Upper
156 100
77 274.8 121.6 364.7
158 99.0 48.6 145.8





#78
n-propylbenzene
Concen: 0.790 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

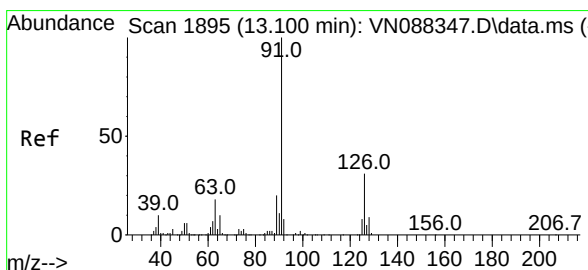
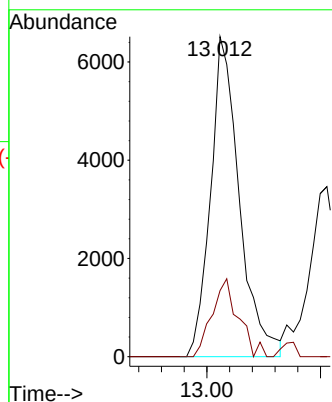
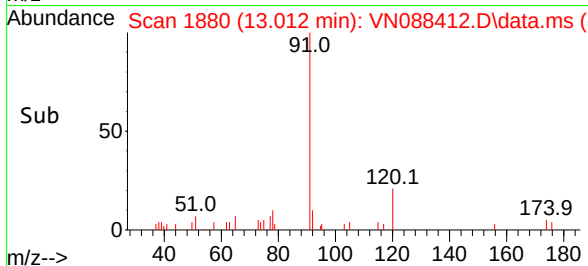
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



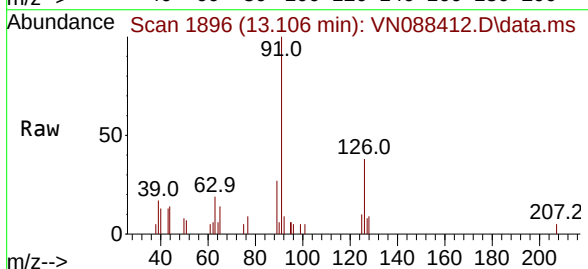
Tgt Ion: 91 Resp: 11470
Ion Ratio Lower Upper
91 100
120 22.3 10.9 32.6

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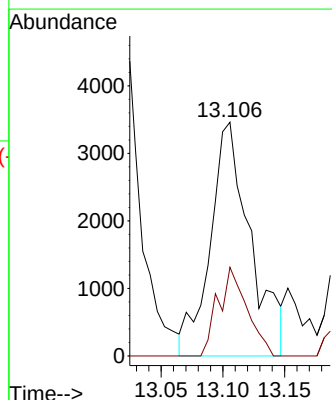
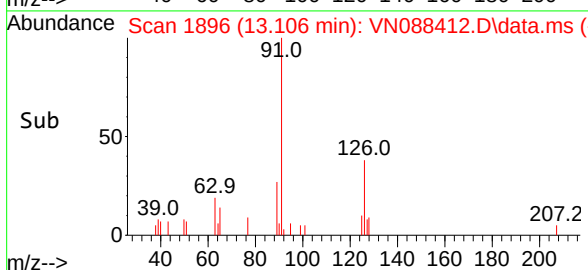
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

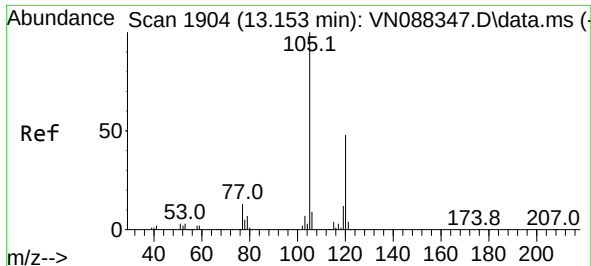


#79
2-Chlorotoluene
Concen: 0.880 ug/l m
RT: 13.106 min Scan# 1896
Delta R.T. 0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23



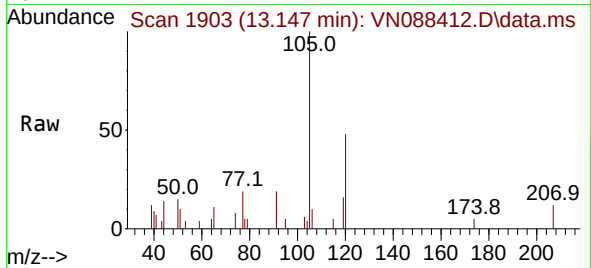
Tgt Ion: 91 Resp: 7806
Ion Ratio Lower Upper
91 100
126 27.4 15.3 45.9





#80
1,3,5-Trimethylbenzene
Concen: 0.704 ug/l
RT: 13.147 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

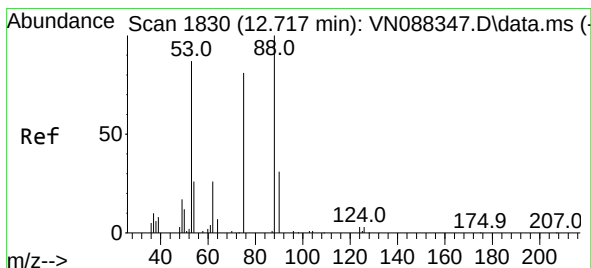
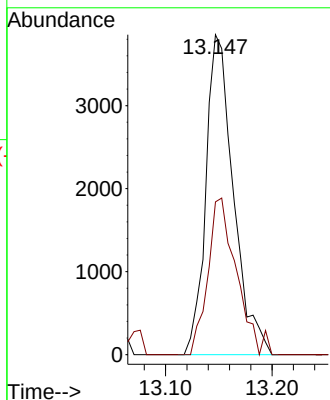
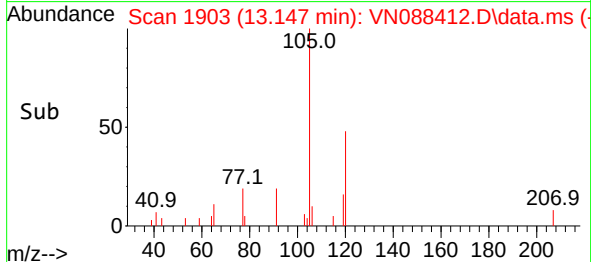
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



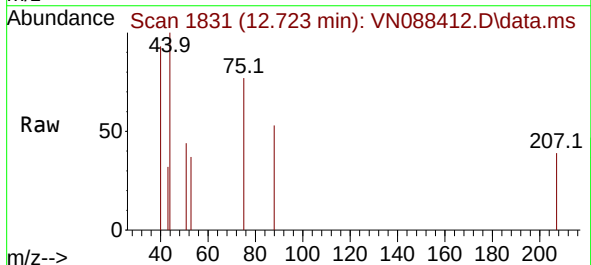
Tgt Ion:105 Resp: 692
Ion Ratio Lower Upper
105 100
120 51.0 23.8 71.5

Manual Integrations
APPROVED

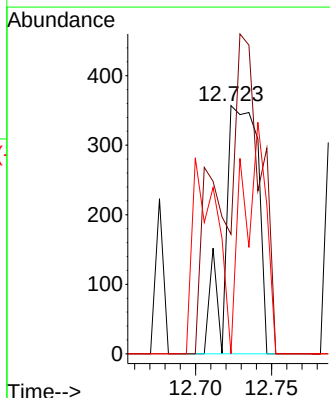
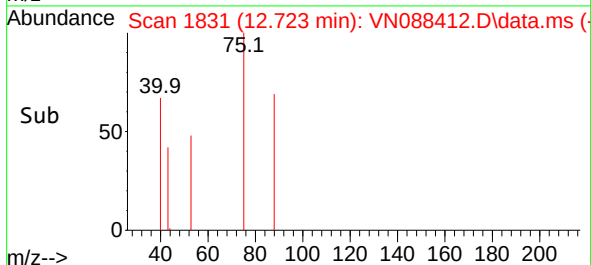
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

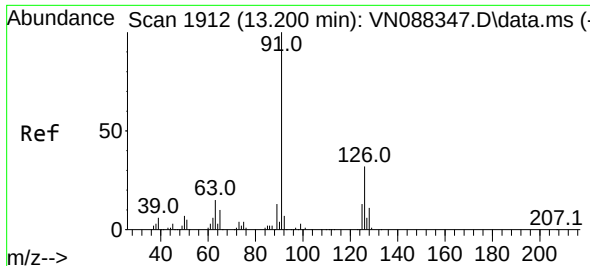


#81
trans-1,4-Dichloro-2-butene
Concen: 0.402 ug/l m
RT: 12.723 min Scan# 1831
Delta R.T. 0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23



Tgt Ion: 75 Resp: 533
Ion Ratio Lower Upper
75 100
53 0.0 92.2 138.4#
89 10.1 0.0 0.0#





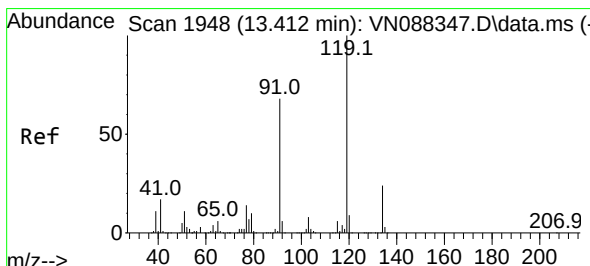
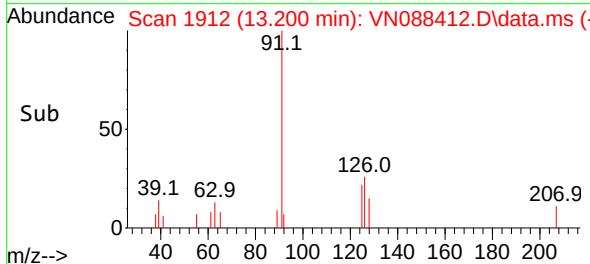
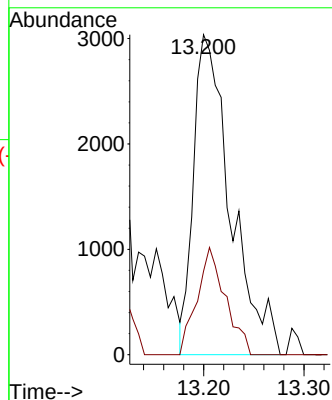
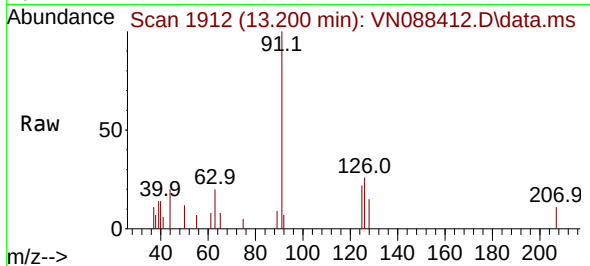
#82
4-Chlorotoluene
Concen: 0.884 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

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

Tgt Ion: 91 Resp: 7789
Ion Ratio Lower Upper
91 100
126 25.8 15.6 46.7

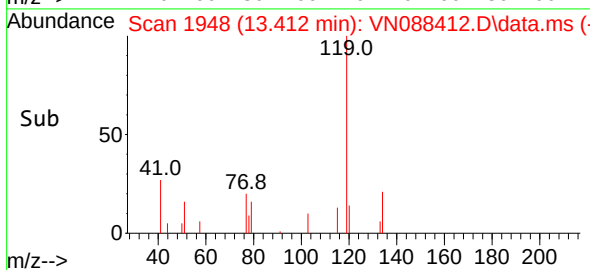
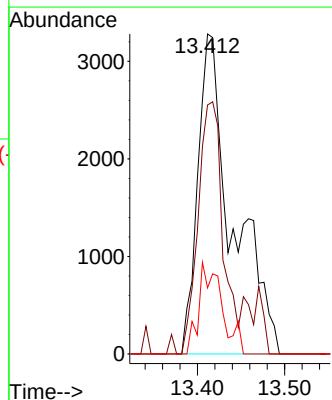
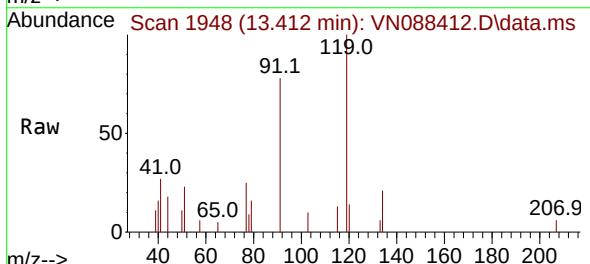
Manual Integrations
APPROVED

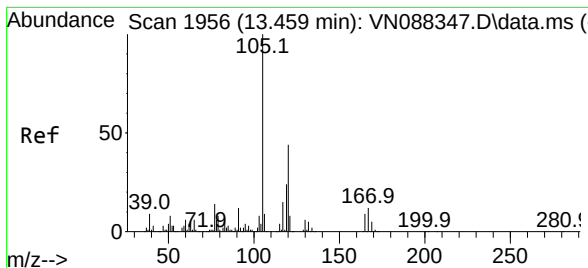
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#83
tert-Butylbenzene
Concen: 1.092 ug/l m
RT: 13.412 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

Tgt Ion:119 Resp: 9131
Ion Ratio Lower Upper
119 100
91 55.7 35.1 105.3
134 18.9 12.8 38.4





#84

1,2,4-Trimethylbenzene

Concen: 0.661 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

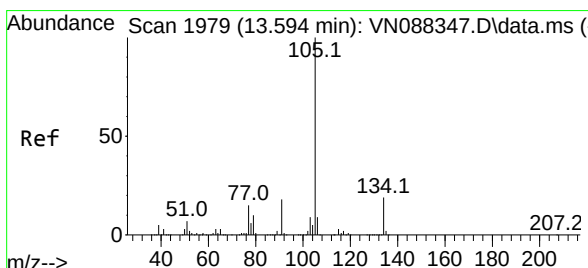
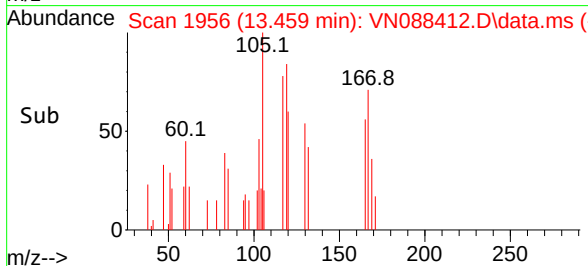
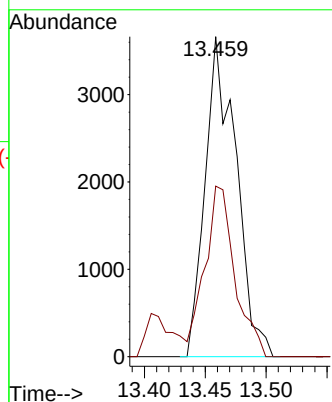
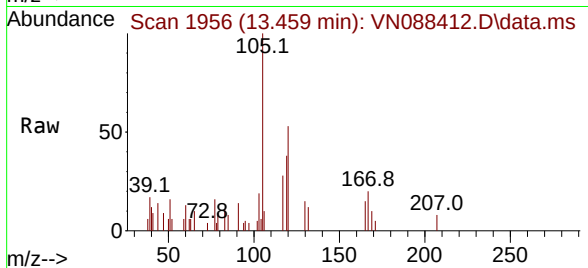
Tgt Ion:105 Resp: 6464
 Ion Ratio Lower Upper
 105 100
 120 51.6 22.1 66.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#85

sec-Butylbenzene

Concen: 0.751 ug/l

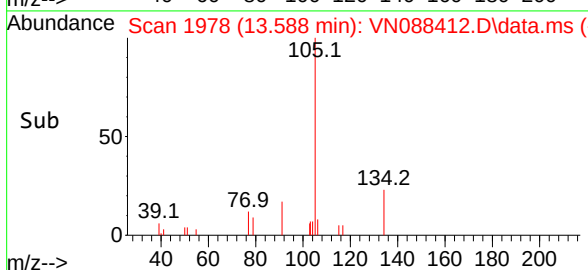
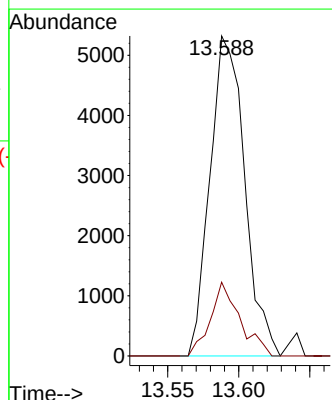
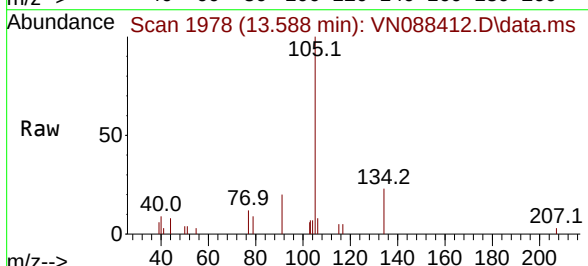
RT: 13.588 min Scan# 1978

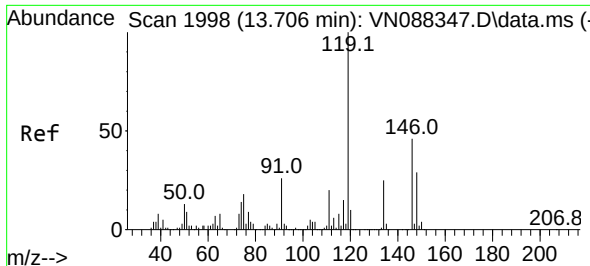
Delta R.T. -0.006 min

Lab File: VN088412.D

Acq: 02 Dec 2025 16:23

Tgt Ion:105 Resp: 9026
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.5 28.5





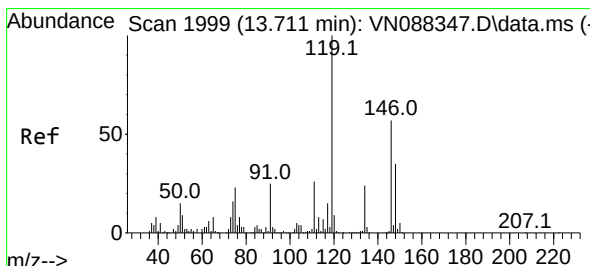
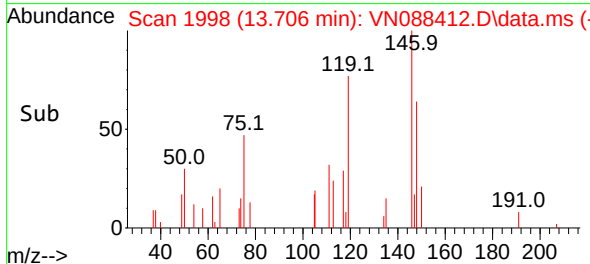
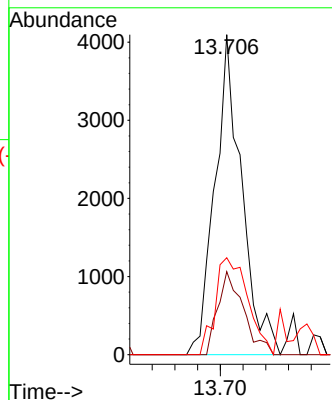
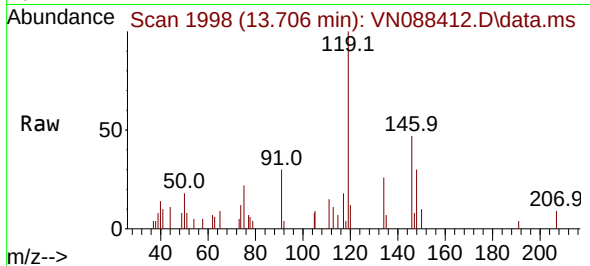
#86
p-Isopropyltoluene
Concen: 0.680 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

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

Tgt Ion:119 Resp: 669
Ion Ratio Lower Upper
119 100
134 25.0 12.2 36.6
91 36.9 13.0 39.0

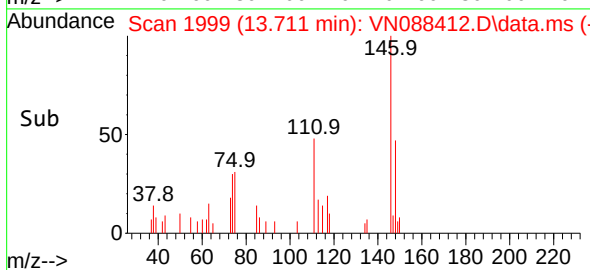
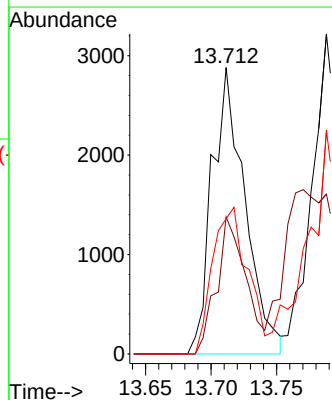
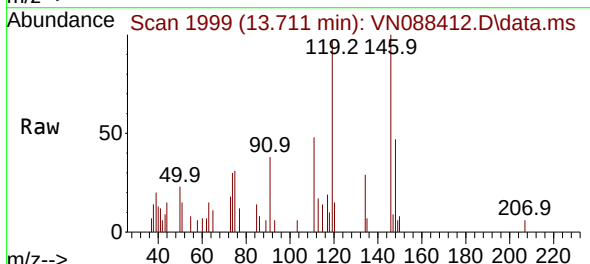
Manual Integrations
APPROVED

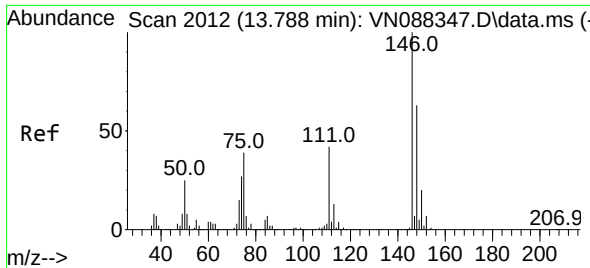
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#87
1,3-Dichlorobenzene
Concen: 0.949 ug/l
RT: 13.711 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

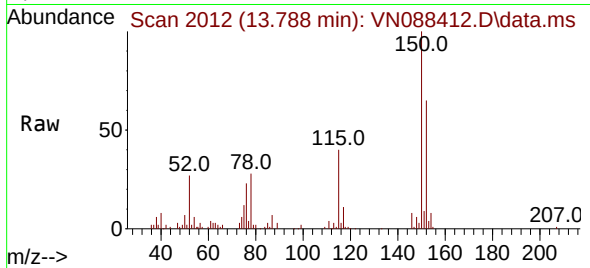
Tgt Ion:146 Resp: 5019
Ion Ratio Lower Upper
146 100
111 42.9 22.4 67.0
148 54.5 31.6 94.8





#88
1,4-Dichlorobenzene
Concen: 1.010 ug/l m
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

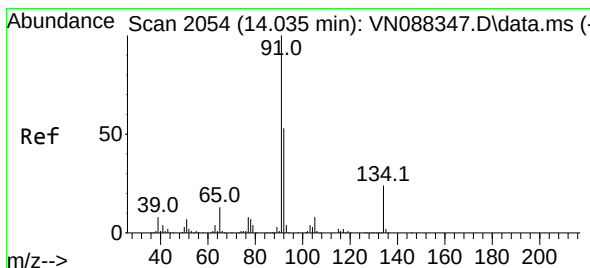
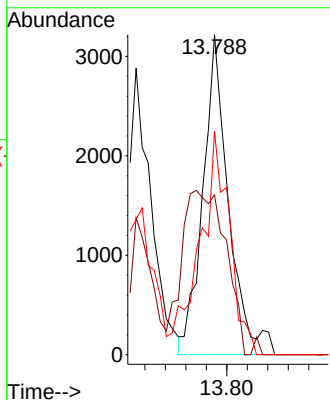
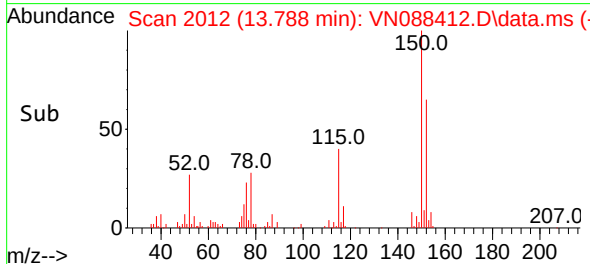
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:146 Resp: 5592
Ion Ratio Lower Upper
146 100
111 38.5 21.6 64.6
148 48.9 31.0 93.0

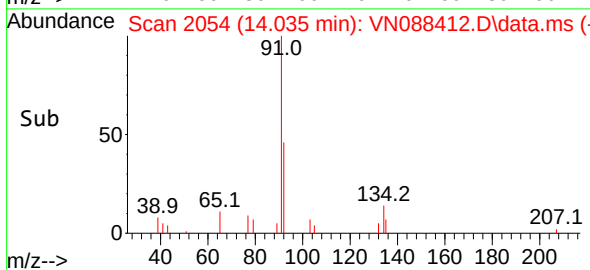
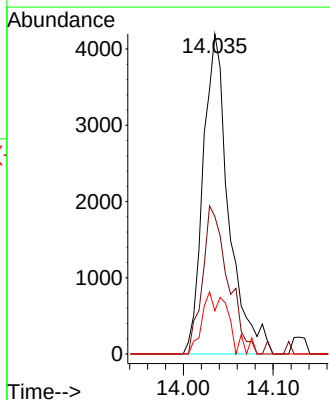
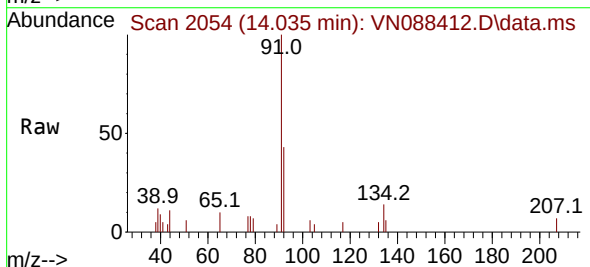
Manual Integrations
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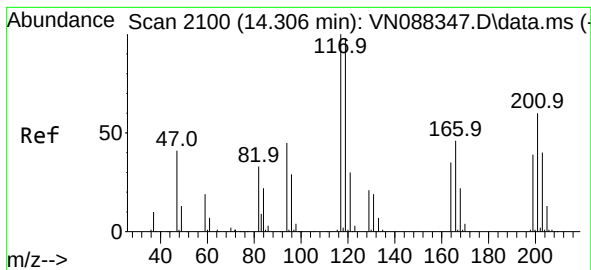
Reviewed By :John Carbone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#89
n-Butylbenzene
Concen: 0.868 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

Tgt Ion: 91 Resp: 8302
Ion Ratio Lower Upper
91 100
92 45.9 26.1 78.3
134 20.0 11.7 35.1





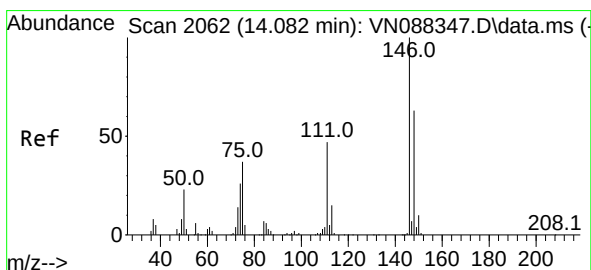
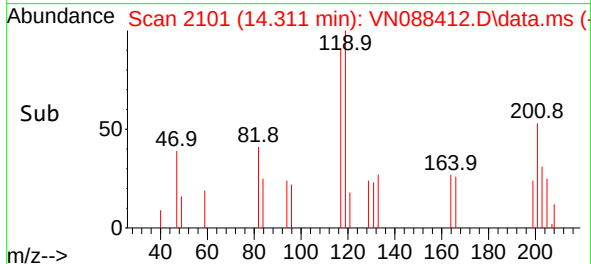
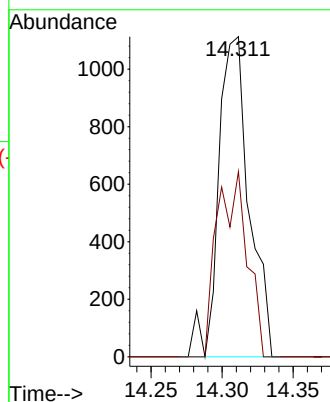
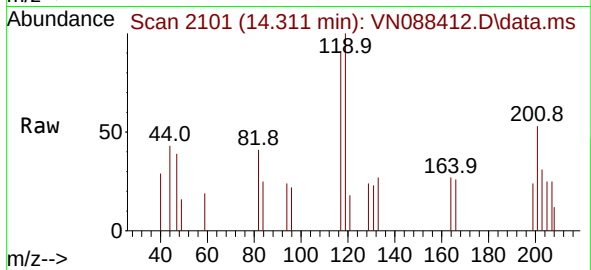
#90
Hexachloroethane
Concen: 0.926 ug/l
RT: 14.311 min Scan# 2100
Delta R.T. 0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

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

Tgt Ion:117 Resp: 1660
Ion Ratio Lower Upper
117 100
201 57.1 30.3 90.9

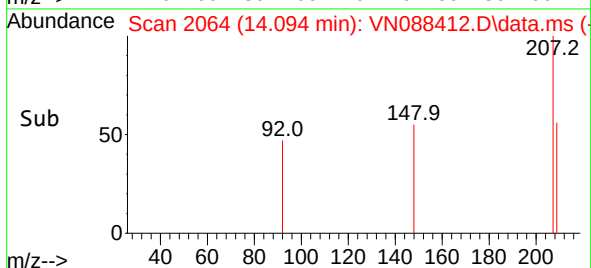
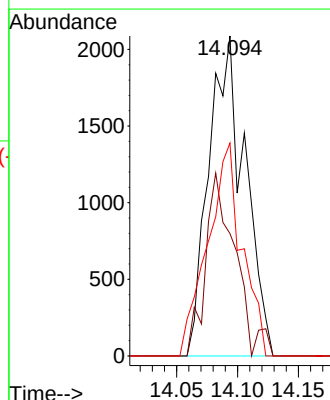
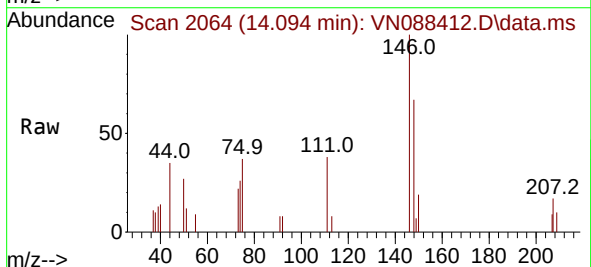
Manual Integrations
APPROVED

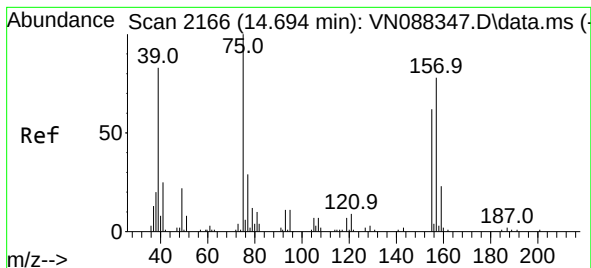
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#91
1,2-Dichlorobenzene
Concen: 0.865 ug/l
RT: 14.094 min Scan# 2064
Delta R.T. 0.012 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

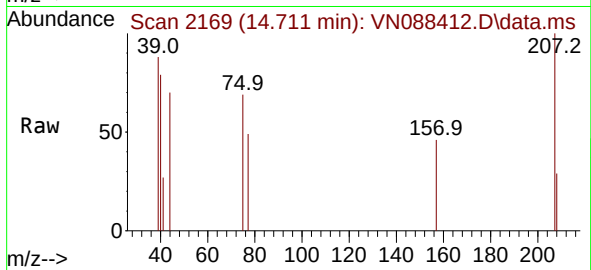
Tgt Ion:146 Resp: 4305
Ion Ratio Lower Upper
146 100
111 47.0 23.3 69.9
148 63.2 31.8 95.4





#92
1,2-Dibromo-3-Chloropropane
Concen: 0.899 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. 0.018 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

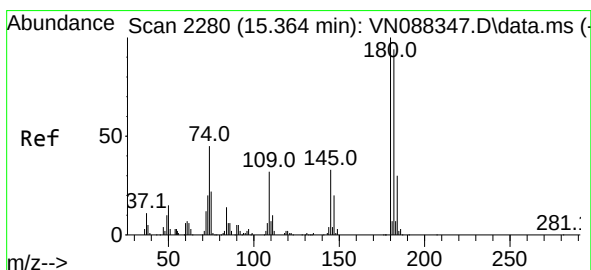
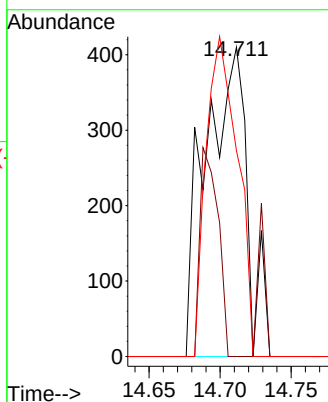
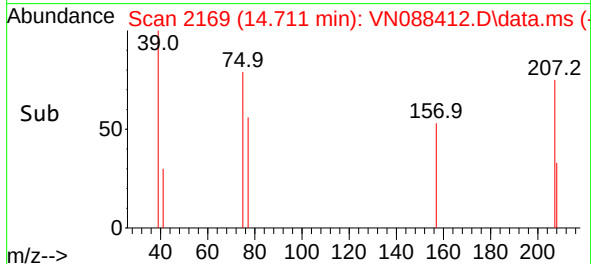
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



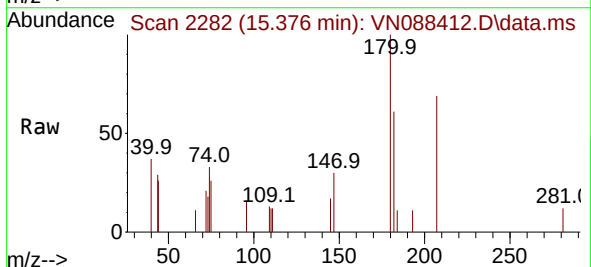
Tgt Ion: 75 Resp: 83
Ion Ratio Lower Upper
75 100
155 0.0 33.7 101.1
157 77.9 43.8 131.3

Manual Integrations
APPROVED

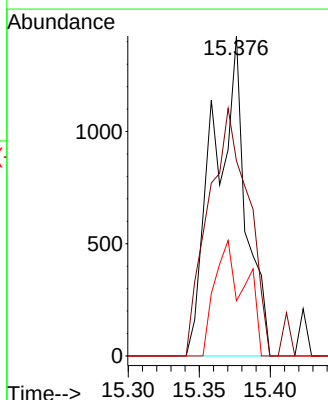
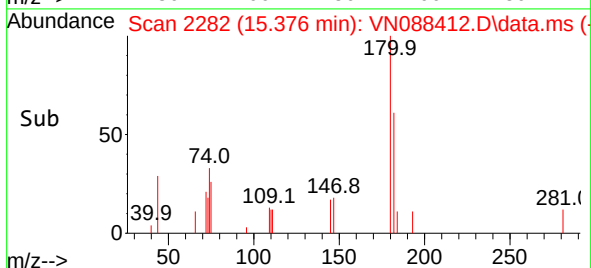
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

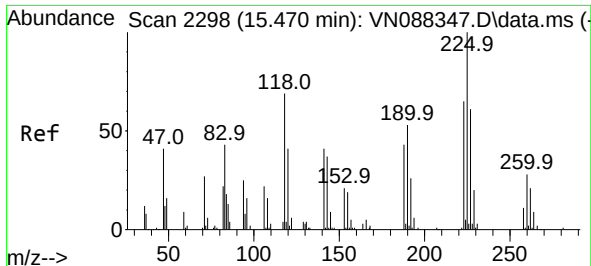


#93
1,2,4-Trichlorobenzene
Concen: 0.763 ug/l
RT: 15.376 min Scan# 2282
Delta R.T. 0.012 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23



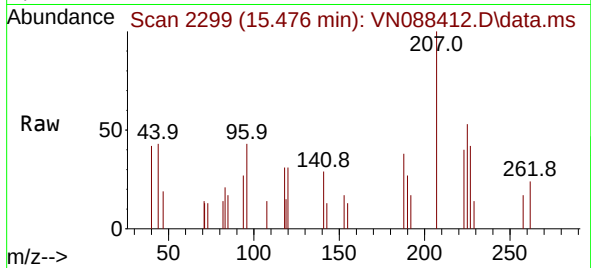
Tgt Ion:180 Resp: 2255
Ion Ratio Lower Upper
180 100
182 95.8 46.1 138.2
145 33.6 16.7 50.1





#94
Hexachlorobutadiene
Concen: 0.868 ug/l
RT: 15.476 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23

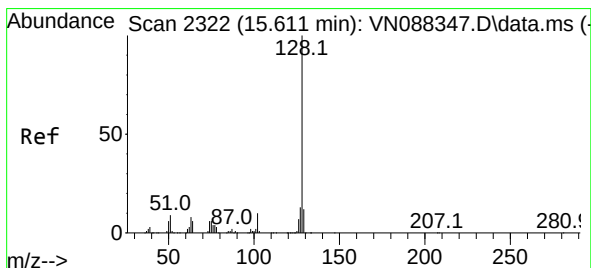
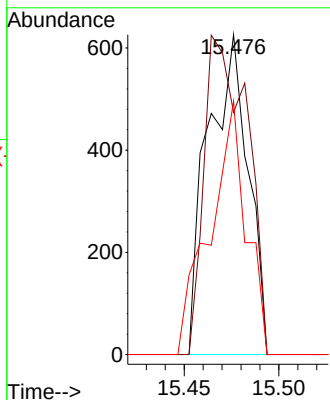
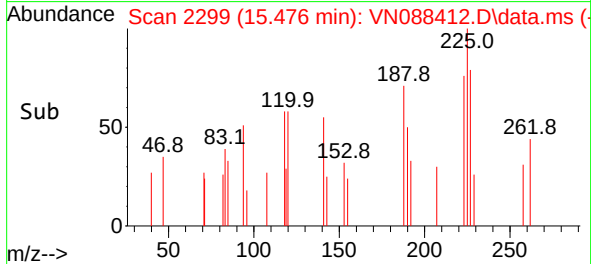
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



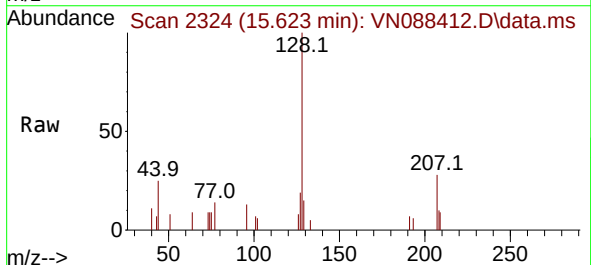
Tgt Ion:225 Resp: 92
Ion Ratio Lower Upper
225 100
223 106.7 32.3 96.8
227 71.9 29.9 89.8

Manual Integrations
APPROVED

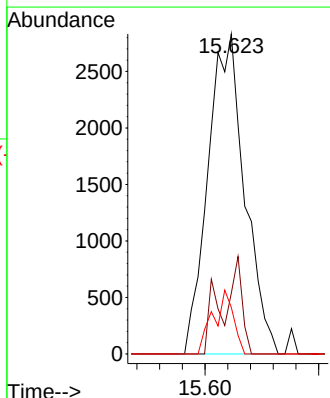
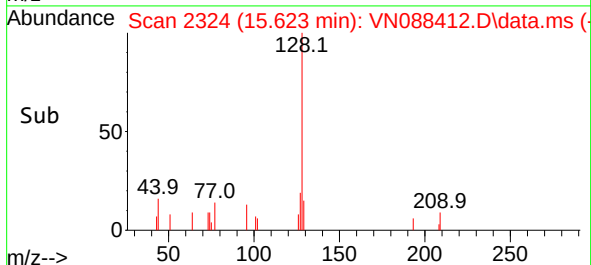
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

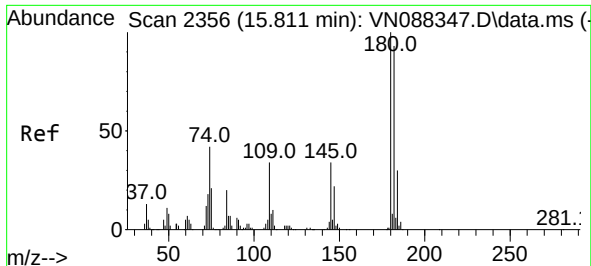


#95
Naphthalene
Concen: 0.619 ug/l
RT: 15.623 min Scan# 2324
Delta R.T. 0.012 min
Lab File: VN088412.D
Acq: 02 Dec 2025 16:23



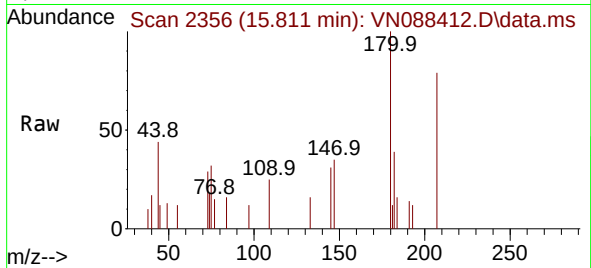
Tgt Ion:128 Resp: 6341
Ion Ratio Lower Upper
128 100
127 9.1 10.4 15.6
129 11.0 9.0 13.6





#96
 1,2,3-Trichlorobenzene
 Concen: 0.734 ug/l
 RT: 15.811 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: VN088412.D
 Acq: 02 Dec 2025 16:23

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



Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	45.9	137.7
145	34.7	17.8	53.4

Manual Integrations
 APPROVED

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

