

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
 Data File : VN088358.D
 Acq On : 25 Nov 2025 13:25
 Operator : JC\MD
 Sample : Q3530-08 5.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Nov 26 00:35:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/26/2025
 Supervised By : Mahesh Dadoda 11/26/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	53702	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	284413	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	247687	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	138740	28.283	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.267%		
60) 4-Bromofluorobenzene	12.829	95	117800	28.135	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	93.767%		
63) Toluene-d8	10.547	98	368214	31.400	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	104.667%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	16747	4.436	ug/l	92
3) Chloromethane	2.383	50	20677	5.313	ug/l	89
4) Vinyl Chloride	2.542	62	19975	4.854	ug/l	98
5) Bromomethane	2.983	94	11626	5.298	ug/l	83
6) Chloroethane	3.142	64	13323	5.237	ug/l #	81
7) Trichlorofluoromethane	3.518	101	32476	5.629	ug/l	98
8) Diethyl Ether	3.971	74	10733m	4.977	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.365	101	18420m	6.085	ug/l	
10) 1,1-Dichloroethene	4.342	96	16231	5.496	ug/l	96
11) Methyl Iodide	4.583	142	14237	4.530	ug/l	93
12) Methyl Acetate	5.012	43	25260	5.302	ug/l	94
13) Acrolein	4.183	56	20766	29.626	ug/l #	61
14) Acrylonitrile	5.706	53	55744	25.751	ug/l	98
15) Acetone	4.412	58	9728m	15.367	ug/l	
16) Carbon Disulfide	4.706	76	55267m	5.549	ug/l	
17) Allyl chloride	5.012	41	28226	4.919	ug/l	92
18) Methylene Chloride	5.265	84	20172	5.496	ug/l	94
19) trans-1,2-Dichloroethene	5.765	96	18058	5.251	ug/l	96
20) Diisopropyl ether	6.653	45	60477	4.932	ug/l	96
21) 1,1-Dichloroethane	6.547	63	36894	5.340	ug/l #	94
22) cis-1,2-Dichloroethene	7.465	96	21046	5.266	ug/l	98
23) tert-Butyl Alcohol	5.512	59	19157m	24.067	ug/l	
24) Methyl tert-Butyl Ether	5.783	73	57911	4.864	ug/l #	75
25) Chloroform	7.947	83	36746	5.368	ug/l	96
26) Cyclohexane	8.241	56	30675	5.257	ug/l #	93
29) 1,1-Dichloropropene	8.359	75	25319	5.335	ug/l	99
30) 2-Butanone	7.471	43	60922	19.846	ug/l	98
31) 2,2-Dichloropropane	7.471	77	33099	5.655	ug/l #	85
32) 1,1,1-Trichloroethane	8.153	97	33171	5.670	ug/l	96
33) Carbon Tetrachloride	8.347	117	26564	5.317	ug/l	96
34) Benzene	8.588	78	76039	5.361	ug/l #	91
35) Methacrylonitrile	7.759	41	14969	4.675	ug/l	93
36) 1,2-Dichloroethane	8.647	62	29768	5.392	ug/l #	91
37) Trichloroethene	9.335	130	19465	6.055	ug/l	89
38) Methylcyclohexane	9.577	83	28200	5.183	ug/l #	34
39) 1,2-Dichloropropane	9.594	63	20395	5.573	ug/l	89
40) Dibromomethane	9.694	93	14304	5.440	ug/l	97
41) Bromodichloromethane	9.871	83	28111	5.311	ug/l	95
42) Vinyl Acetate	6.589	43	267439	26.103	ug/l	98

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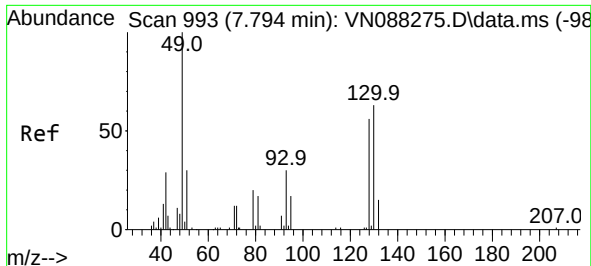
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Reviewed By :John Carlone 11/26/2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	33095	5.358	ug/l	97
44) Isopropyl Acetate	8.671	43	48449	5.090	ug/l	98
45) 1,4-Dioxane	9.682	88	6063m	105.774	ug/l	
46) Methyl methacrylate	9.665	41	21374	4.799	ug/l	95
47) n-amyl Acetate	12.688	43	20369m	4.223	ug/l	
48) t-1,3-Dichloropropene	10.818	75	27714	4.895	ug/l	93
49) cis-1,3-Dichloropropene	10.288	75	30275	5.140	ug/l #	89
50) 1,1,2-Trichloroethane	10.994	97	17447	5.366	ug/l	93
51) Ethyl methacrylate	10.859	69	21887	4.092	ug/l	95
52) 1,3-Dichloropropane	11.141	76	30907	5.220	ug/l	97
53) Dibromochloromethane	11.335	129	18275	4.893	ug/l	96
54) 1,2-Dibromoethane	11.453	107	17895	5.297	ug/l	97
55) 2-Chloroethyl vinyl ether	10.141	63	74012	24.019	ug/l	98
56) Bromoform	12.559	173	11383	4.815	ug/l #	95
58) 4-Methyl-2-Pentanone	10.424	43	145363	25.948	ug/l	99
59) 2-Hexanone	11.182	43	68250	18.347	ug/l	99
61) Tetrachloroethene	11.082	164	16447	6.441	ug/l #	87
62) Toluene	10.606	91	79207	5.573	ug/l	99
64) Chlorobenzene	11.871	112	47713	5.420	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.935	131	16135	5.355	ug/l	91
66) Ethyl Benzene	11.941	91	80158	5.117	ug/l	100
67) m/p-Xylenes	12.053	106	58589	10.001	ug/l	96
68) o-Xylene	12.371	106	27382	4.955	ug/l	100
69) Styrene	12.388	104	42846	4.565	ug/l	97
70) Isopropylbenzene	12.676	105	71535	4.884	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.918	83	23563	4.967	ug/l	95
72) 1,2,3-Trichloropropane	12.971	75	22886m	4.980	ug/l	
73) Bromobenzene	12.959	156	17143	5.185	ug/l	94
74) n-propylbenzene	13.012	91	92249	5.090	ug/l	99
75) 2-Chlorotoluene	13.106	91	56112	5.091	ug/l	97
76) 1,3,5-Trimethylbenzene	13.147	105	60479	4.919	ug/l	96
77) t-1,4-Dichloro-2-butene	12.729	75	5519	3.497	ug/l	89
78) 4-Chlorotoluene	13.200	91	55254	4.947	ug/l	96
79) tert-butylbenzene	13.412	119	50845	4.831	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	56552	4.626	ug/l	97
81) sec-Butylbenzene	13.594	105	75795	4.937	ug/l	95
82) p-Isopropyltoluene	13.706	119	60539	4.772	ug/l	97
83) 1,3-Dichlorobenzene	13.712	146	30866	4.805	ug/l	95
84) 1,4-Dichlorobenzene	13.788	146	33588	5.163	ug/l	97
85) n-Butylbenzene	14.035	91	56797	4.698	ug/l	99
86) Hexachloroethane	14.312	117	11029	4.541	ug/l	98
87) 1,2-Dichlorobenzene	14.082	146	30616	5.049	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.700	75	5112	4.584	ug/l	97
89) 1,2,4-Trichlorobenzene	15.806	180	17368	5.104	ug/l	96
90) Hexachlorobutadiene	15.476	225	7966	6.028	ug/l	91
91) Naphthalene	15.617	128	53415	4.338	ug/l #	93
92) 1,2,3-Trichlorobenzene	15.806	180	17368	5.104	ug/l	96

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



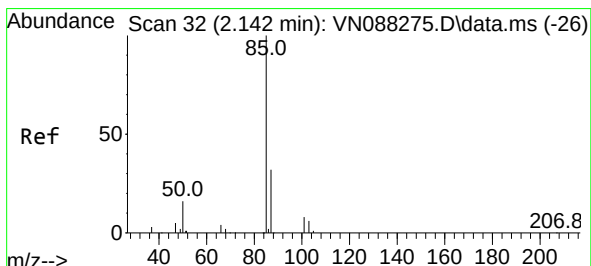
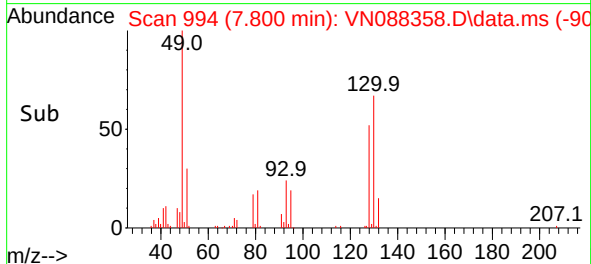
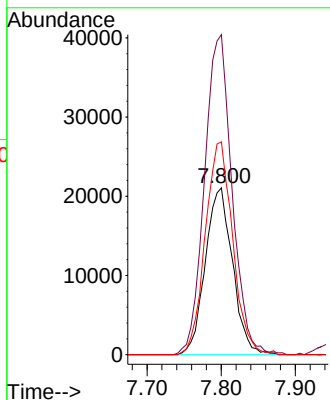
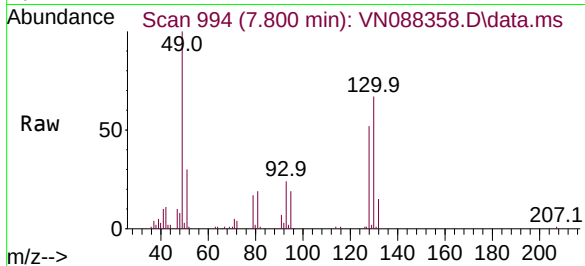
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion:128 Resp: 53702
Ion Ratio Lower Upper
128 100
49 194.1 0.0 501.2
130 128.3 0.0 320.2

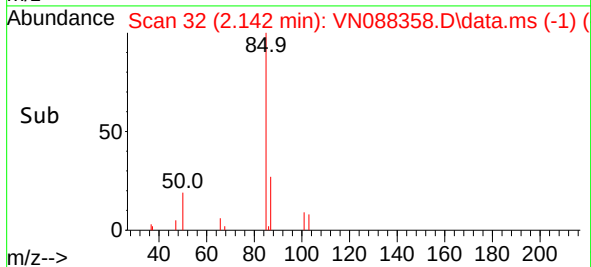
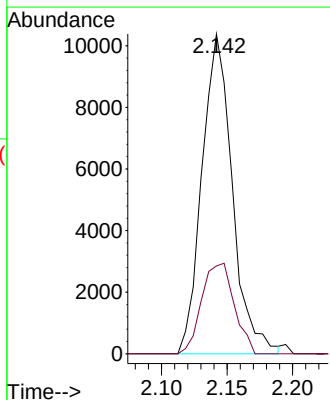
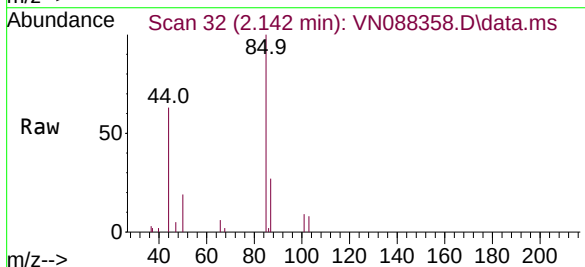
Manual Integrations
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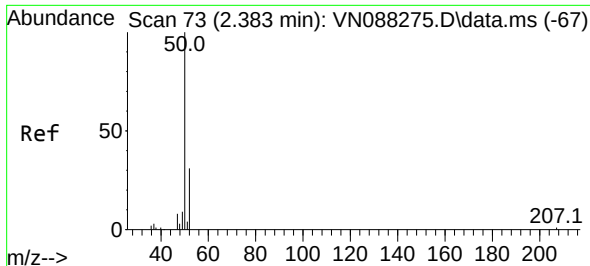
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#2
Dichlorodifluoromethane
Concen: 4.436 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

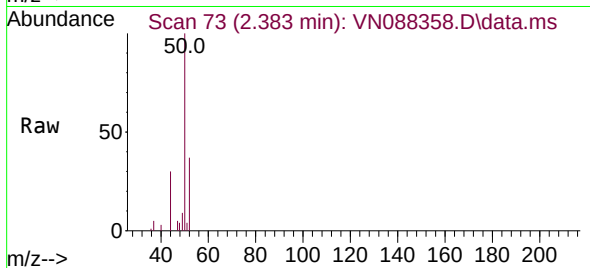
Tgt Ion: 85 Resp: 16747
Ion Ratio Lower Upper
85 100
87 27.5 16.0 48.0





#3
Chloromethane
Concen: 5.313 ug/l
RT: 2.383 min Scan# 73
Delta R.T. -0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

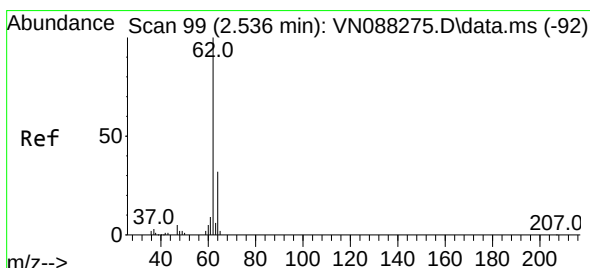
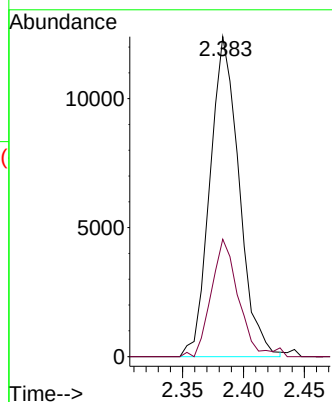
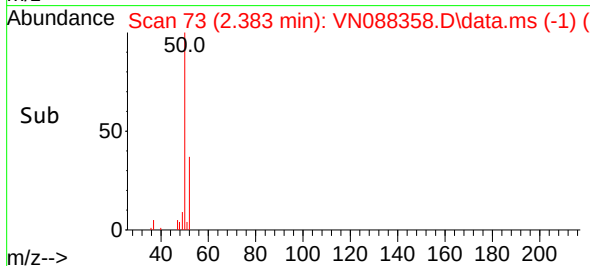
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2025



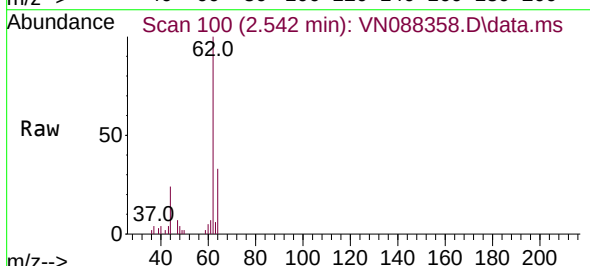
Tgt Ion: 50 Resp: 20672
Ion Ratio Lower Upper
50 100
52 36.7 24.6 36.8

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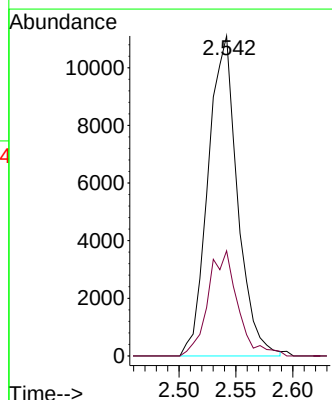
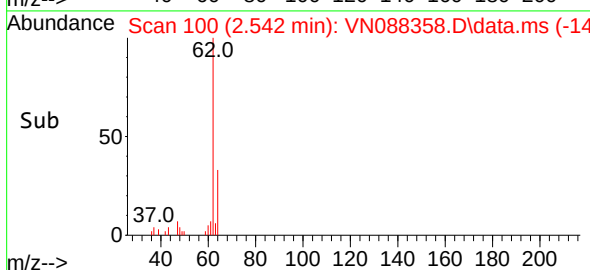
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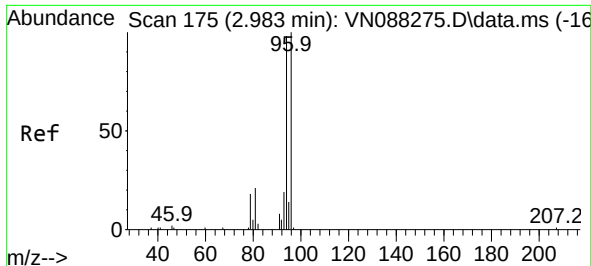


#4
Vinyl Chloride
Concen: 4.854 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25



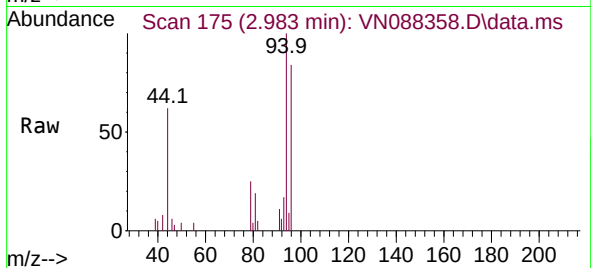
Tgt Ion: 62 Resp: 19975
Ion Ratio Lower Upper
62 100
64 32.8 25.4 38.2





#5
Bromomethane
Concen: 5.298 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

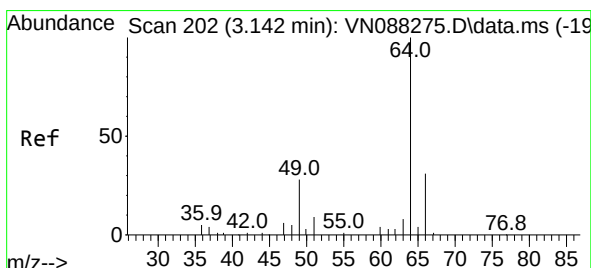
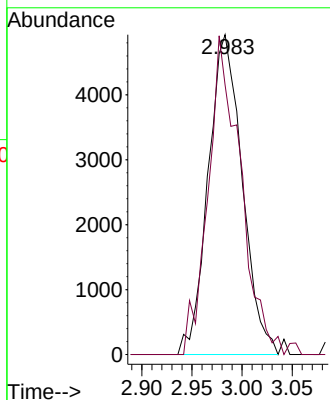
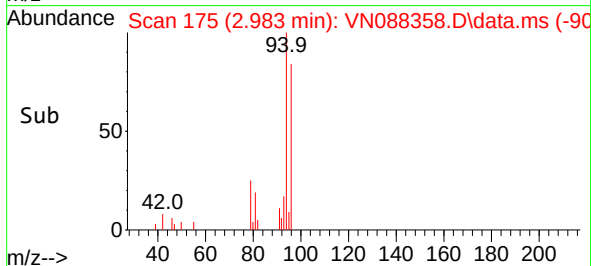
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



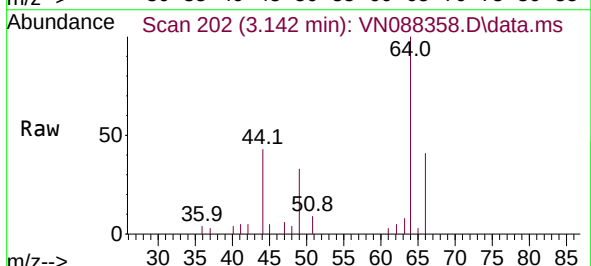
Tgt Ion: 94 Resp: 11626
Ion Ratio Lower Upper
94 100
96 84.3 81.3 121.9

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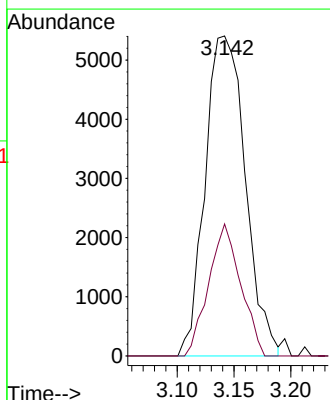
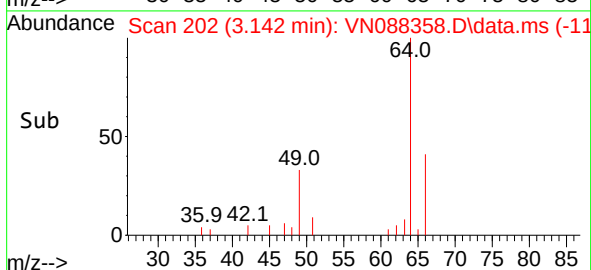
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

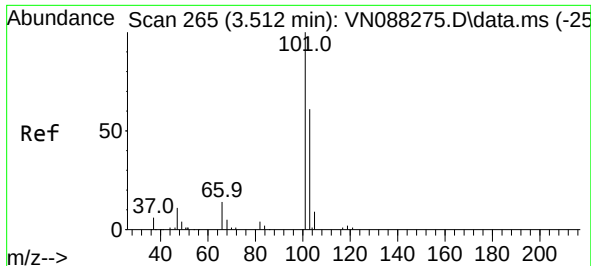


#6
Chloroethane
Concen: 5.237 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25



Tgt Ion: 64 Resp: 13323
Ion Ratio Lower Upper
64 100
66 41.2 24.7 37.1#





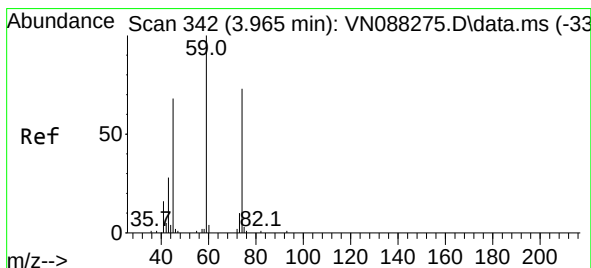
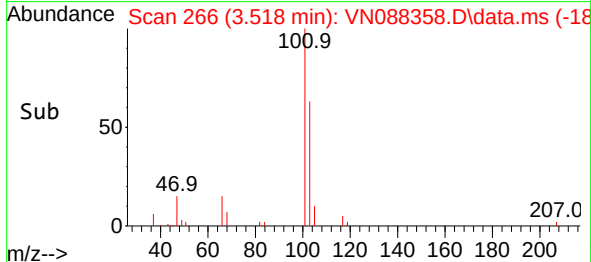
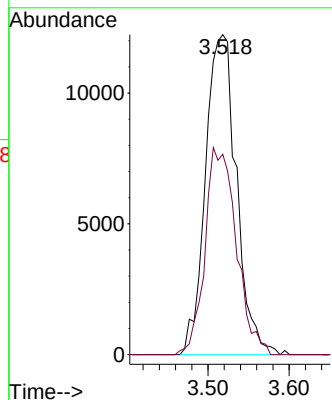
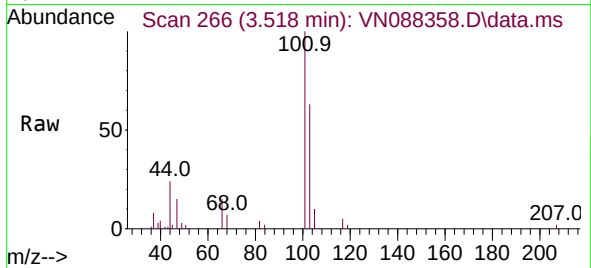
#7
Trichlorofluoromethane
Concen: 5.629 ug/l
RT: 3.518 min Scan# 265
Delta R.T. 0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion:101 Resp: 32476
Ion Ratio Lower Upper
101 100
103 62.7 48.6 73.0

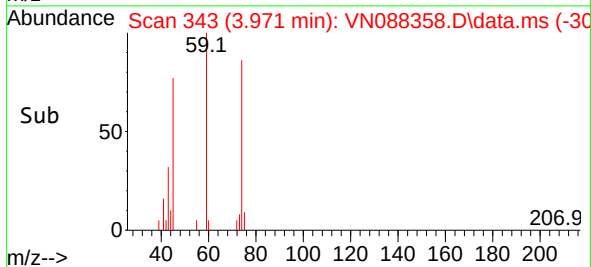
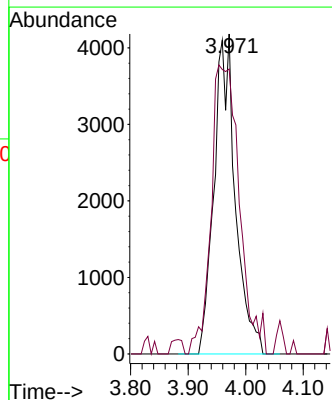
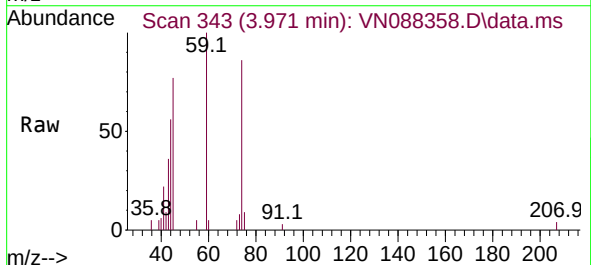
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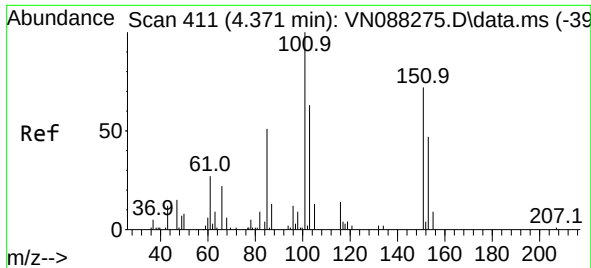
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#8
Diethyl Ether
Concen: 4.977 ug/l m
RT: 3.971 min Scan# 343
Delta R.T. 0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion: 74 Resp: 10733
Ion Ratio Lower Upper
74 100
45 65.7 20.9 187.7





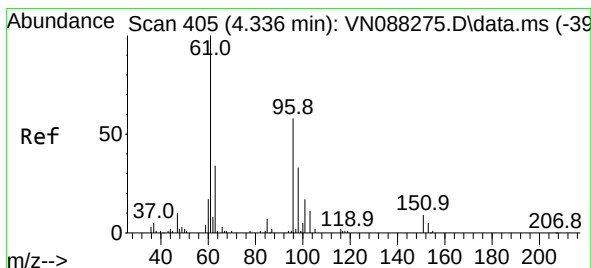
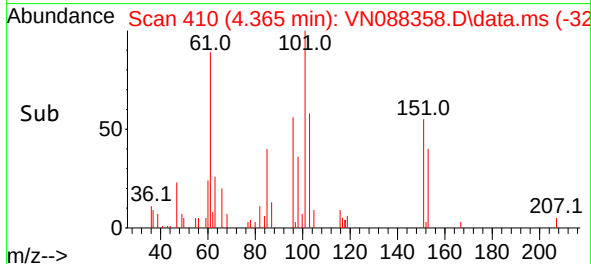
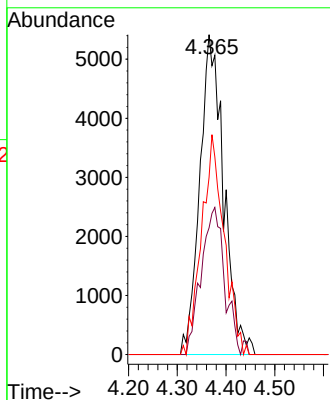
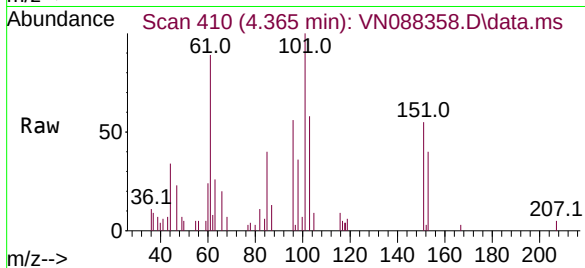
#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.085 ug/l m
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion:101 Resp: 18420
Ion Ratio Lower Upper
101 100
85 40.2 0.0 100.8
151 59.2 0.0 138.4

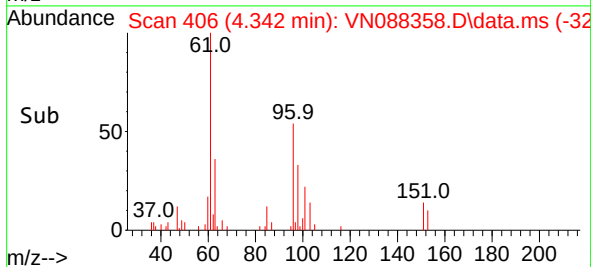
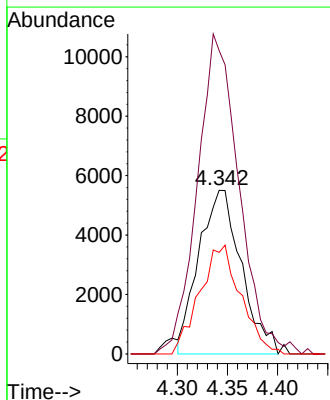
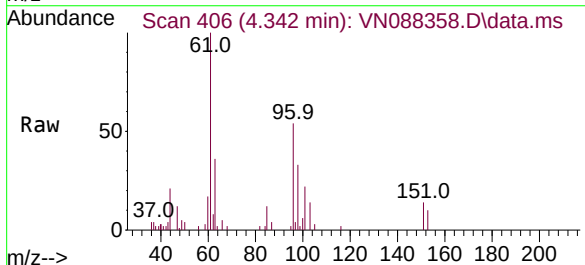
Manual Integrations
APPROVED

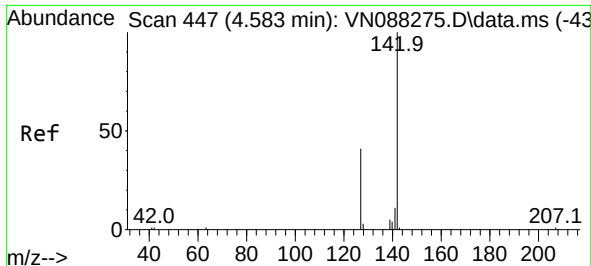
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#10
1,1-Dichloroethene
Concen: 5.496 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

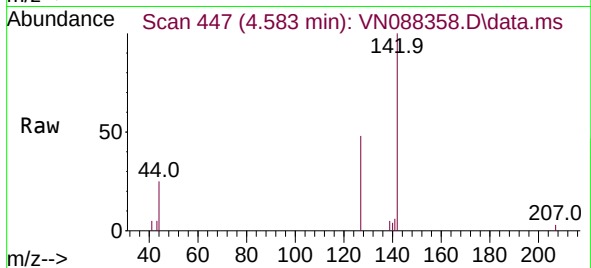
Tgt Ion: 96 Resp: 16231
Ion Ratio Lower Upper
96 100
61 178.3 137.8 206.8
98 59.2 45.6 68.4





#11
Methyl Iodide
Concen: 4.530 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

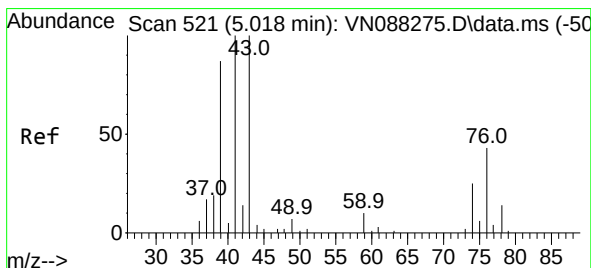
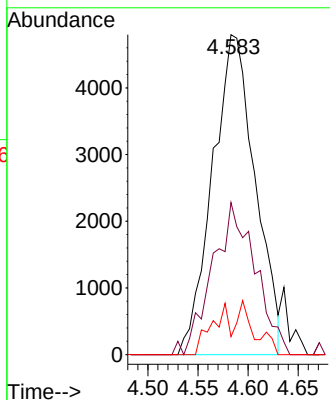
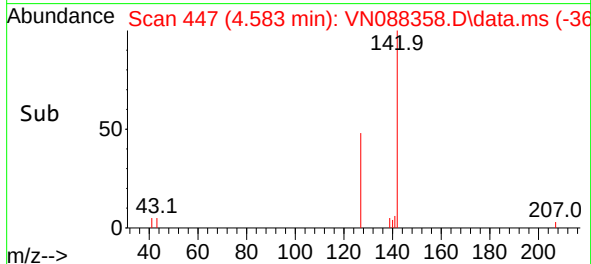
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:142 Resp: 14237
Ion Ratio Lower Upper
142 100
127 43.8 20.4 61.2
141 6.0 5.6 16.8

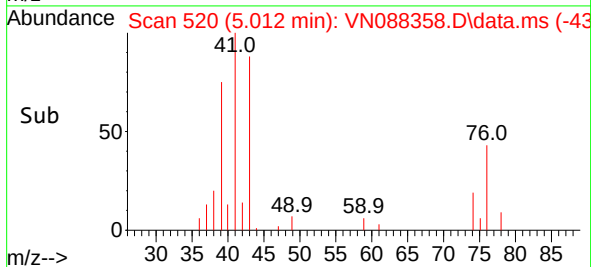
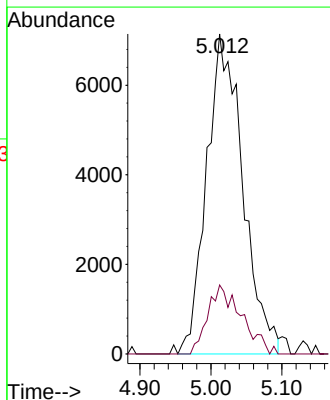
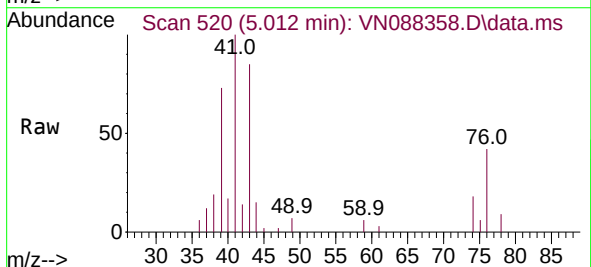
Manual Integrations
APPROVED

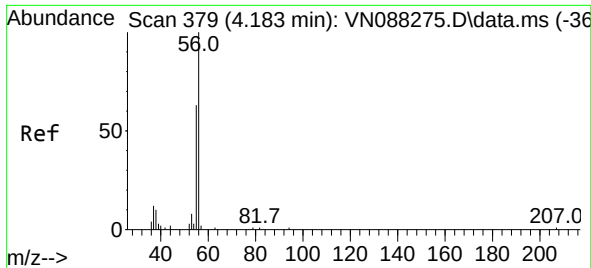
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#12
Methyl Acetate
Concen: 5.302 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion: 43 Resp: 25260
Ion Ratio Lower Upper
43 100
74 22.0 19.8 29.8





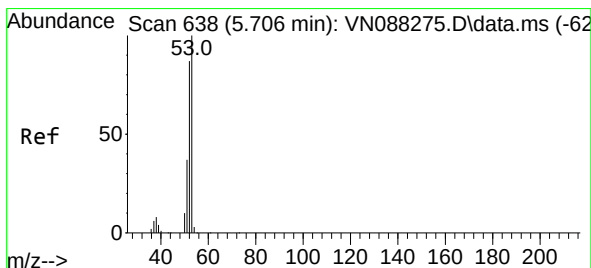
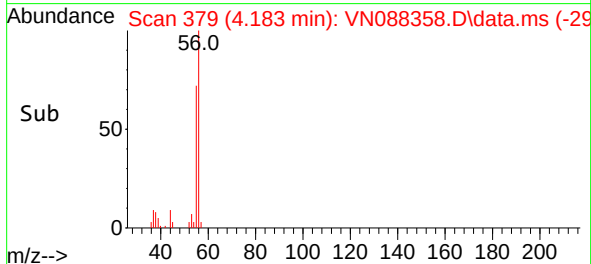
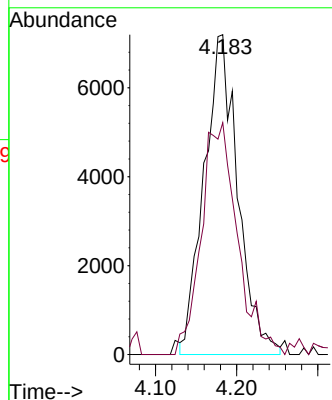
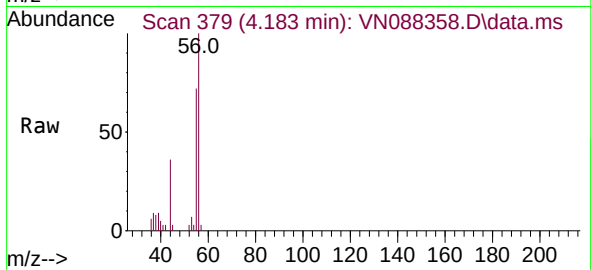
#13
Acrolein
Concen: 29.626 ug/l
RT: 4.183 min Scan# 379
Delta R.T. -0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion: 56 Resp: 20766
Ion Ratio Lower Upper
56 100
55 39.6 57.9 86.9

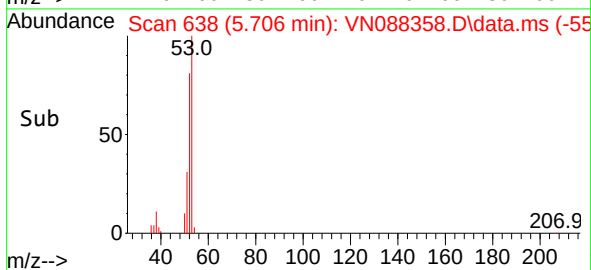
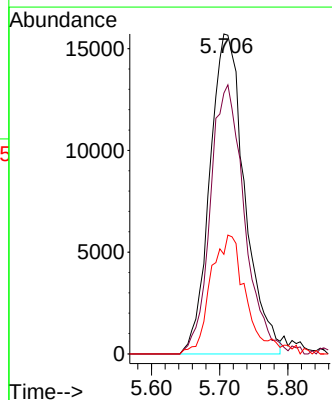
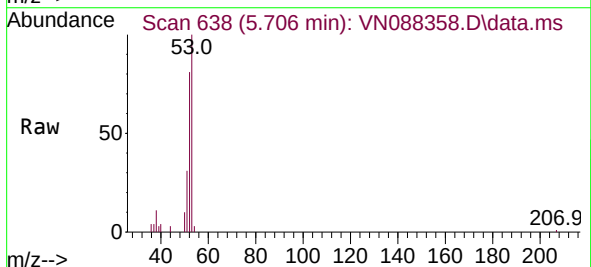
Manual Integrations
APPROVED

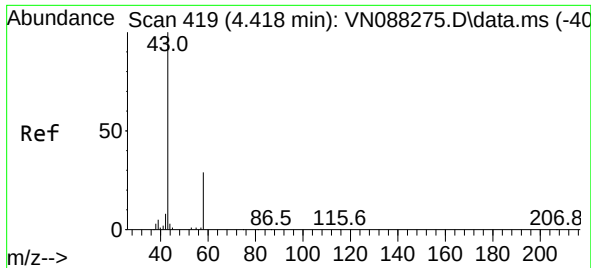
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#14
Acrylonitrile
Concen: 25.751 ug/l
RT: 5.706 min Scan# 638
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion: 53 Resp: 55744
Ion Ratio Lower Upper
53 100
52 82.2 42.3 126.9
51 36.0 18.4 55.2





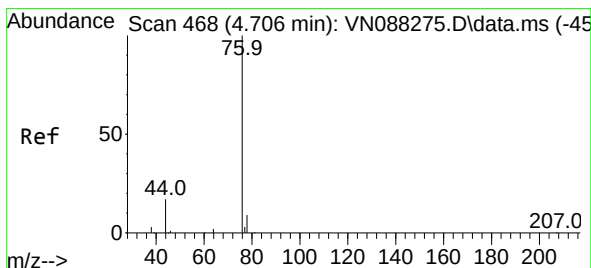
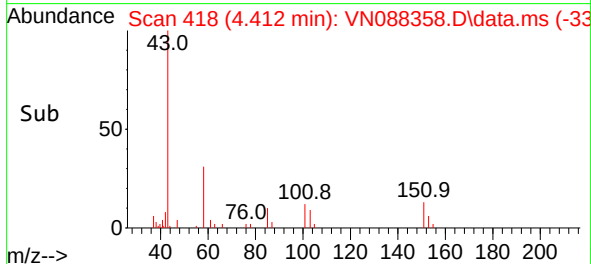
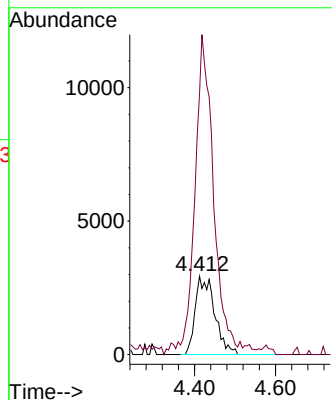
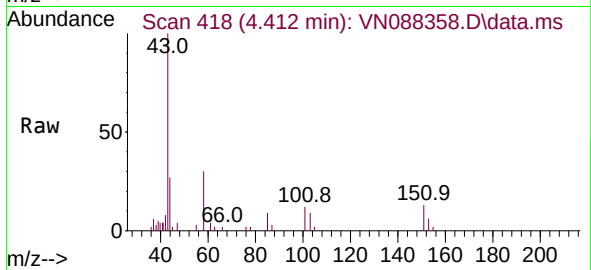
#15
Acetone
Concen: 15.367 ug/l m
RT: 4.412 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion: 58 Resp: 9728
Ion Ratio Lower Upper
58 100
43 333.8 273.9 410.9

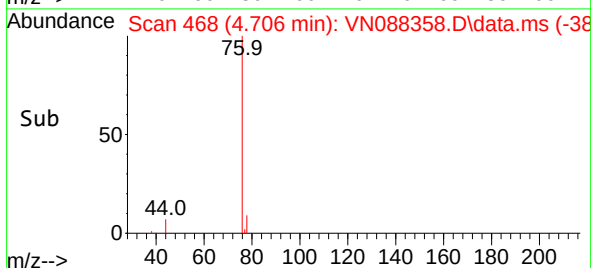
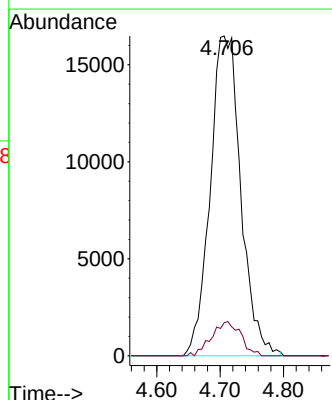
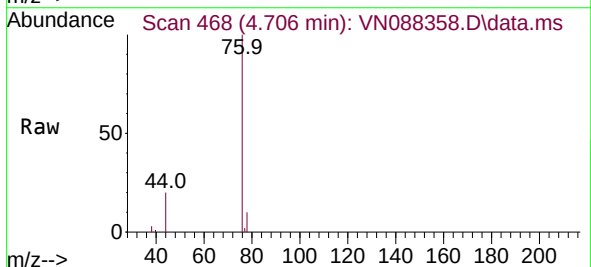
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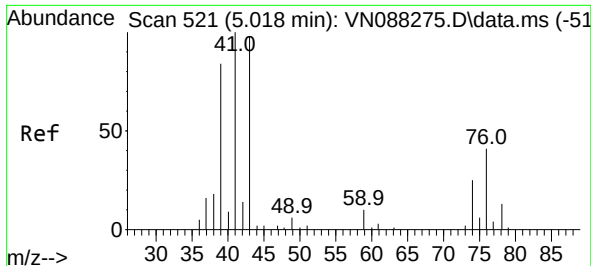
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#16
Carbon Disulfide
Concen: 5.549 ug/l m
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion: 76 Resp: 55267
Ion Ratio Lower Upper
76 100
78 10.4 7.5 11.3





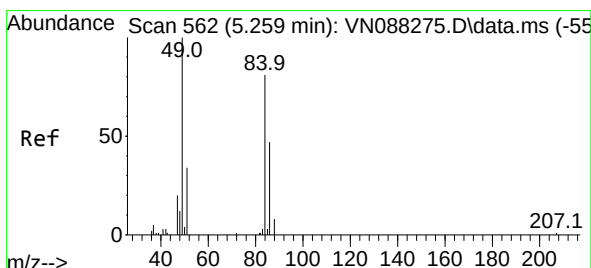
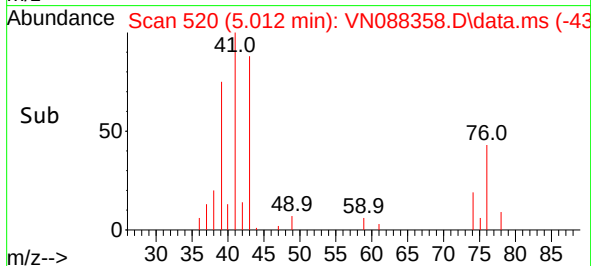
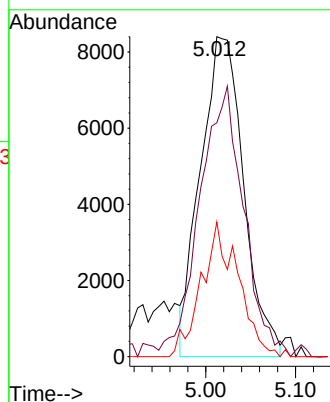
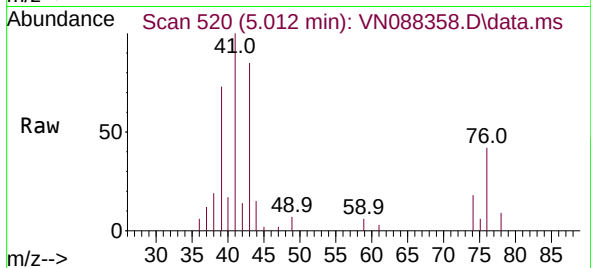
#17
 Allyl chloride
 Concen: 4.919 ug/l
 RT: 5.012 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN088358.D
 Acq: 25 Nov 2025 13:25

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

Tgt Ion: 41 Resp: 28226
 Ion Ratio Lower Upper
 41 100
 39 70.6 38.3 114.9
 76 43.6 18.5 55.5

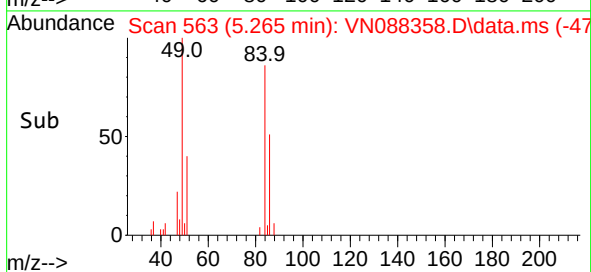
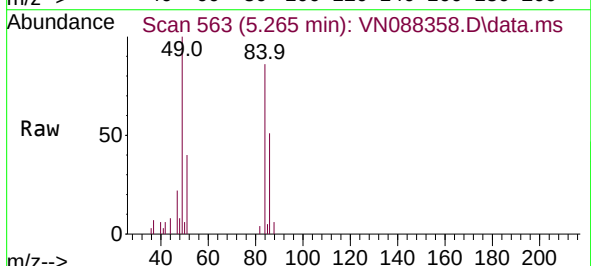
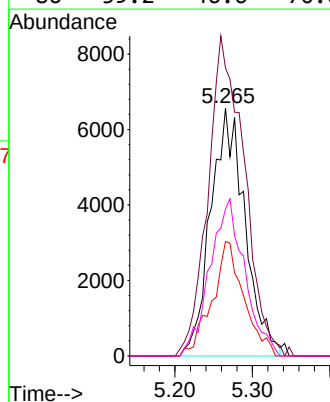
Manual Integrations
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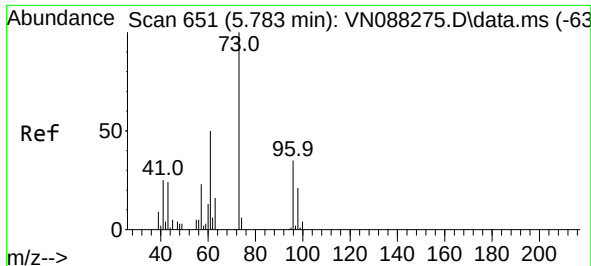
Reviewed By :John Carlone 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025



#18
 Methylene Chloride
 Concen: 5.496 ug/l
 RT: 5.265 min Scan# 563
 Delta R.T. 0.006 min
 Lab File: VN088358.D
 Acq: 25 Nov 2025 13:25

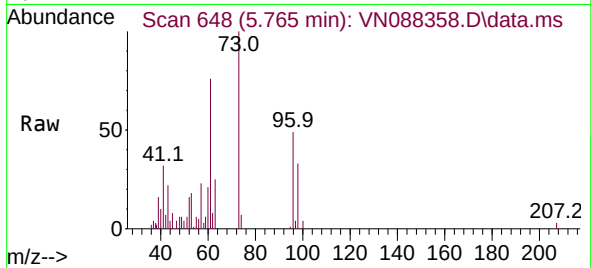
Tgt Ion: 84 Resp: 20172
 Ion Ratio Lower Upper
 84 100
 49 113.4 98.7 148.1
 51 46.1 33.7 50.5
 86 59.2 46.6 70.0





#19
trans-1,2-Dichloroethene
Concen: 5.251 ug/l
RT: 5.765 min Scan# 648
Delta R.T. -0.018 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

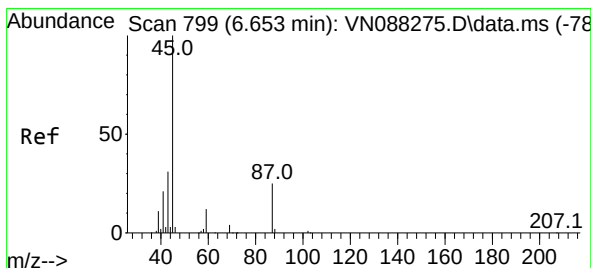
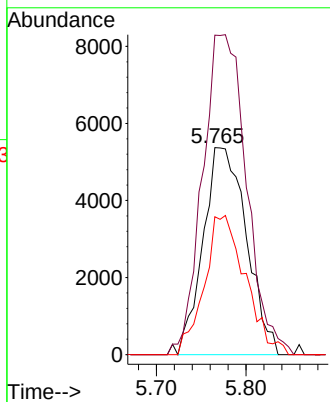
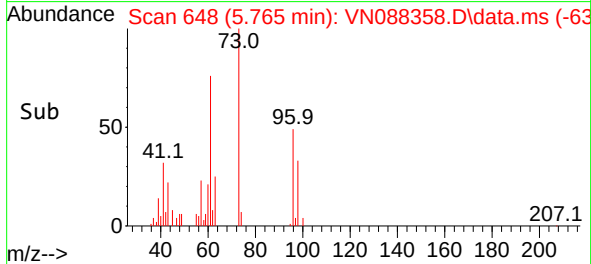
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 96 Resp: 18058
Ion Ratio Lower Upper
96 100
61 149.2 117.0 175.4
98 66.6 48.6 72.8

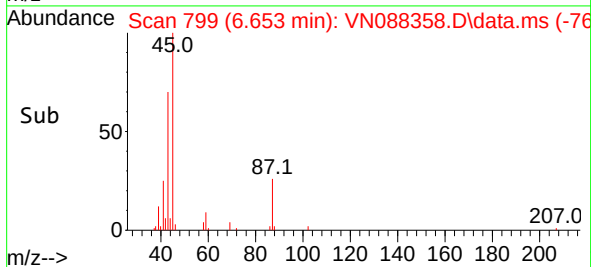
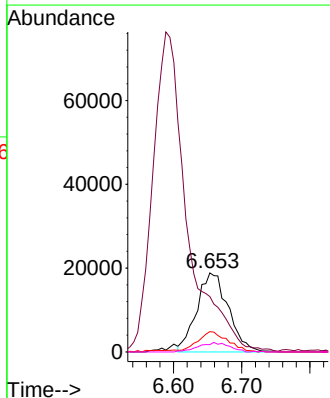
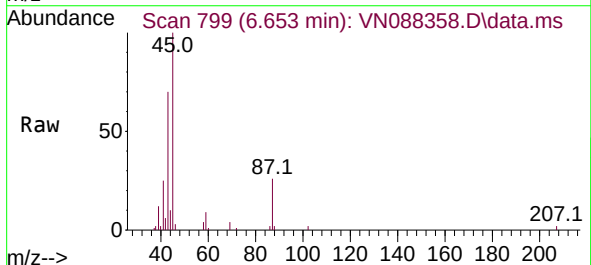
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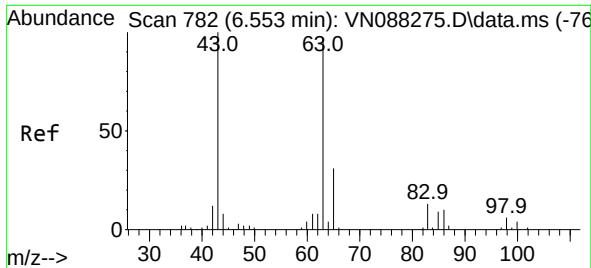
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#20
Diisopropyl ether
Concen: 4.932 ug/l
RT: 6.653 min Scan# 799
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion: 45 Resp: 60477
Ion Ratio Lower Upper
45 100
43 69.1 51.9 77.9
87 25.7 21.1 31.7
59 9.3 9.1 13.7





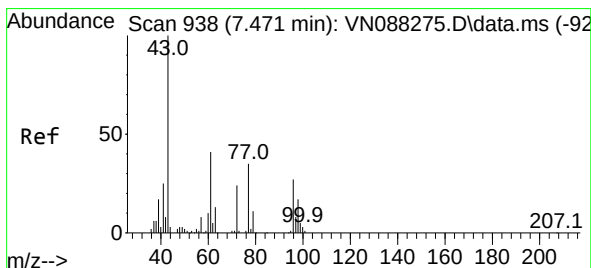
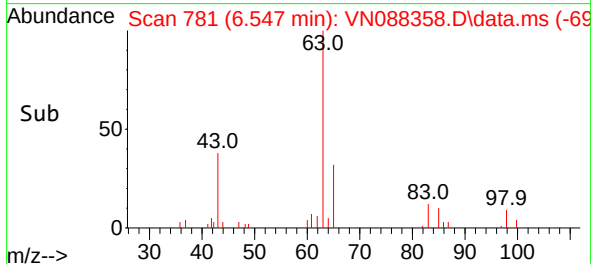
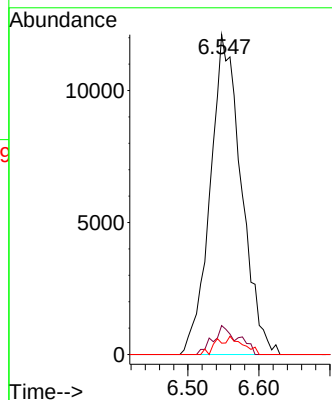
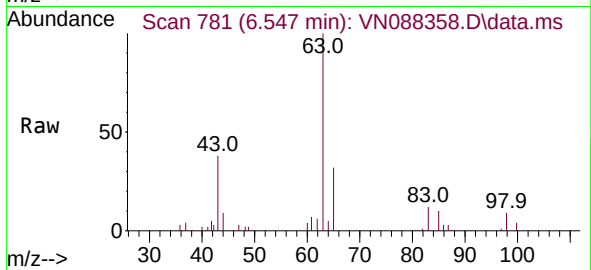
#21
1,1-Dichloroethane
Concen: 5.340 ug/l
RT: 6.547 min Scan# 781
Delta R.T. -0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion: 63 Resp: 36894
Ion Ratio Lower Upper
63 100
98 9.1 3.0 9.0
100 3.6 2.1 6.3

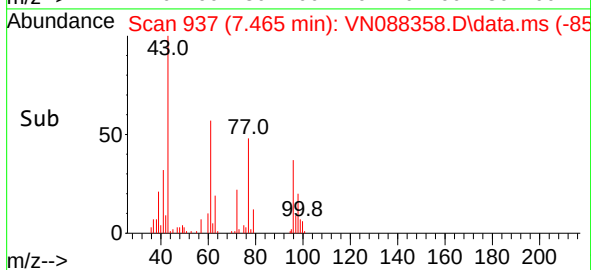
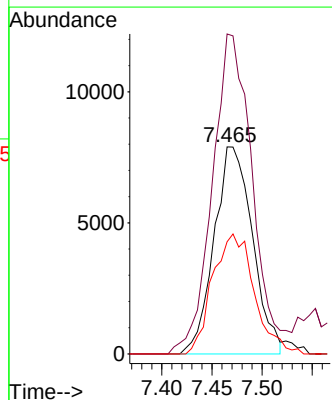
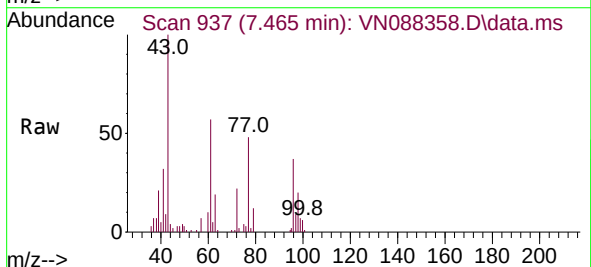
Manual Integrations
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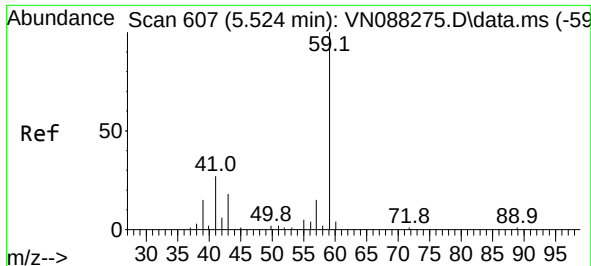
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#22
cis-1,2-Dichloroethene
Concen: 5.266 ug/l
RT: 7.465 min Scan# 937
Delta R.T. -0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

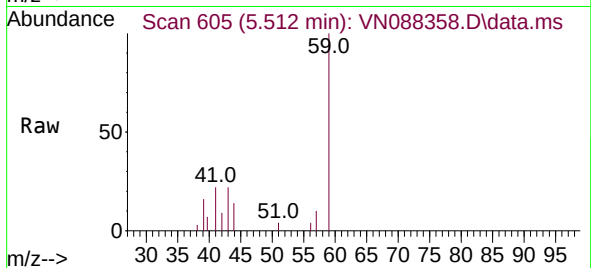
Tgt Ion: 96 Resp: 21046
Ion Ratio Lower Upper
96 100
61 161.2 131.2 196.8
98 62.4 51.0 76.4





#23
tert-Butyl Alcohol
Concen: 24.067 ug/l m
RT: 5.512 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

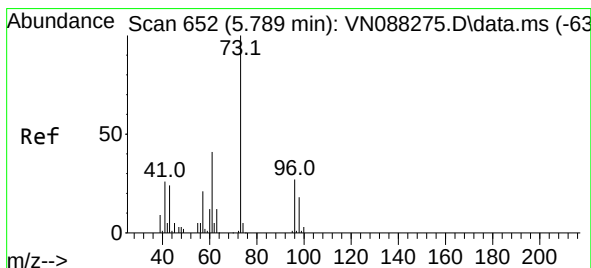
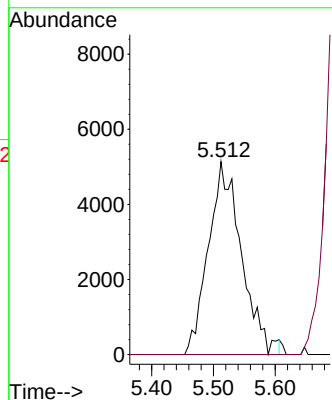
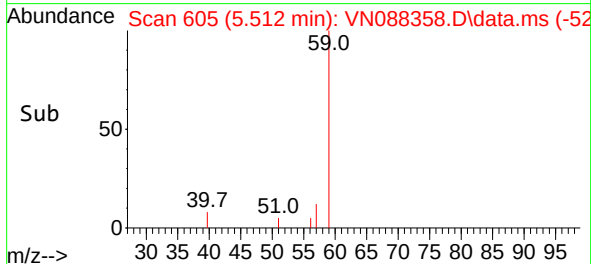
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 59 Resp: 1915
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

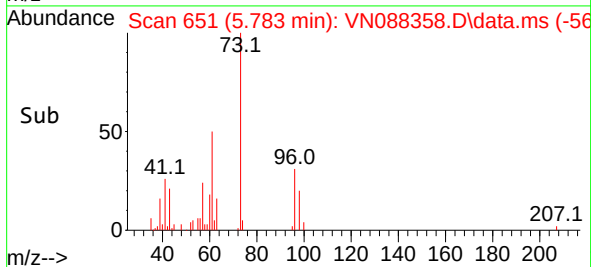
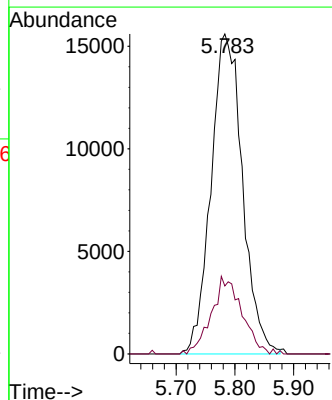
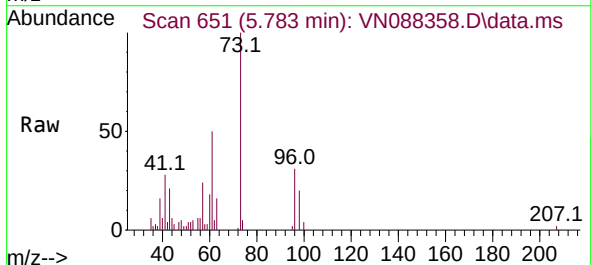
Manual Integrations
APPROVED

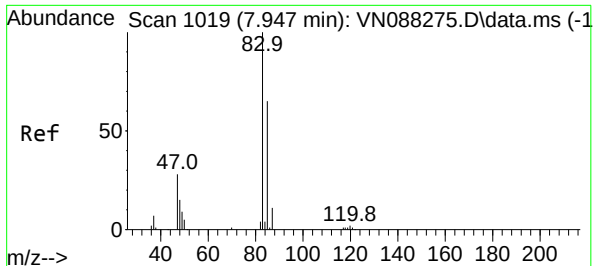
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#24
Methyl tert-Butyl Ether
Concen: 4.864 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion: 73 Resp: 57911
Ion Ratio Lower Upper
73 100
43 11.2 18.5 27.7#





#25

Chloroform

Concen: 5.368 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VN088358.D

Acq: 25 Nov 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 83 Resp: 36746

Ion Ratio Lower Upper

83 100

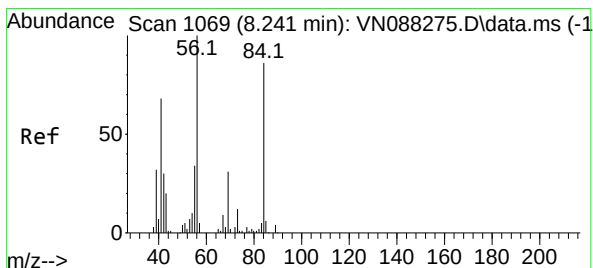
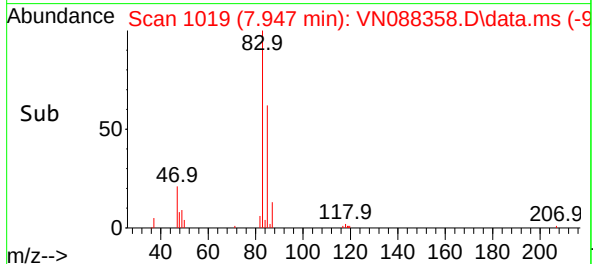
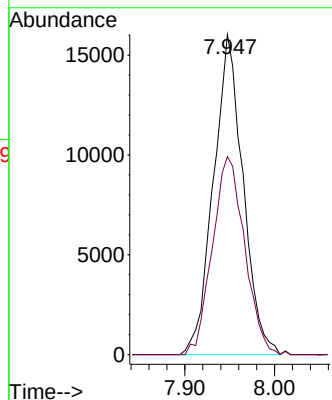
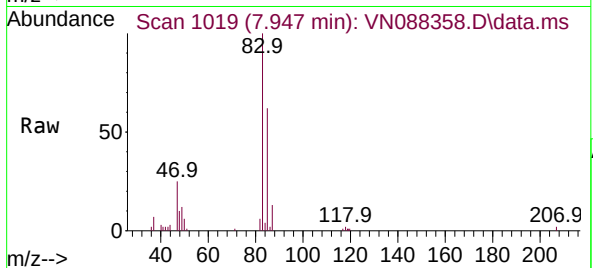
85 61.9 52.2 78.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#26

Cyclohexane

Concen: 5.257 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VN088358.D

Acq: 25 Nov 2025 13:25

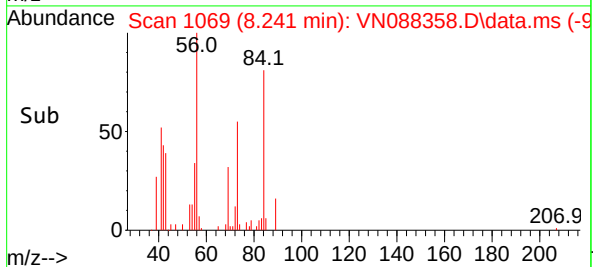
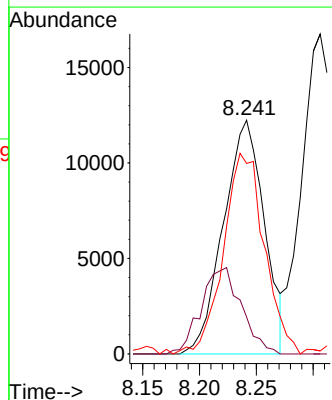
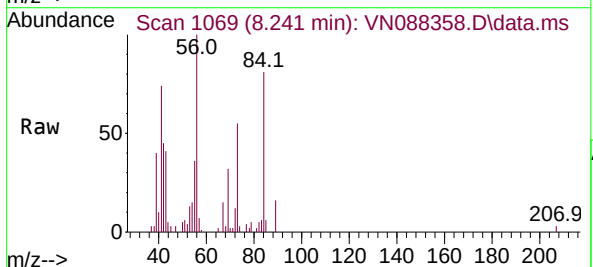
Tgt Ion: 56 Resp: 30675

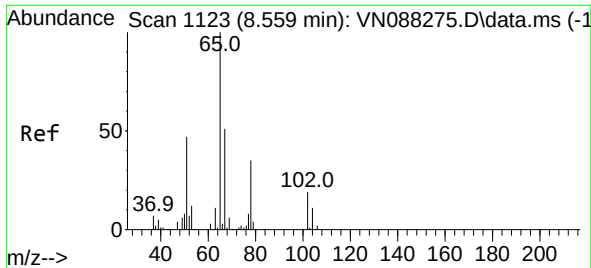
Ion Ratio Lower Upper

56 100

89 36.2 7.3 10.9#

84 84.6 67.8 101.8





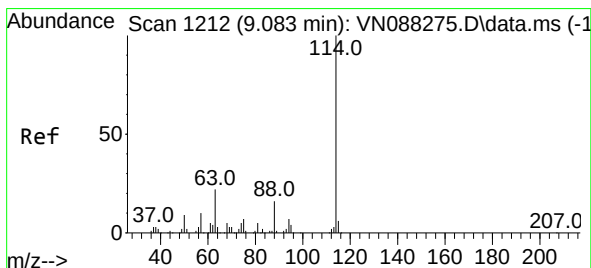
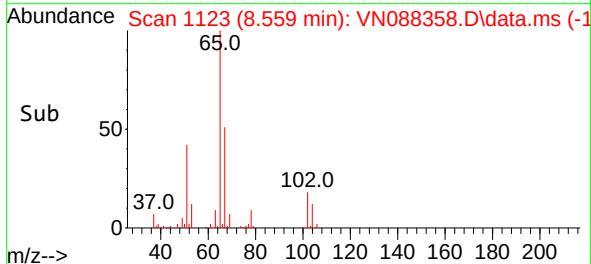
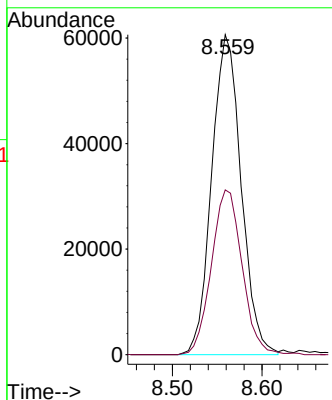
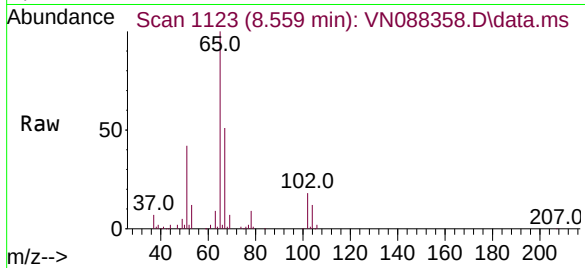
#27
1,2-Dichloroethane-d4
Concen: 28.283 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion: 65 Resp: 138740
Ion Ratio Lower Upper
65 100
67 53.4 40.2 60.2

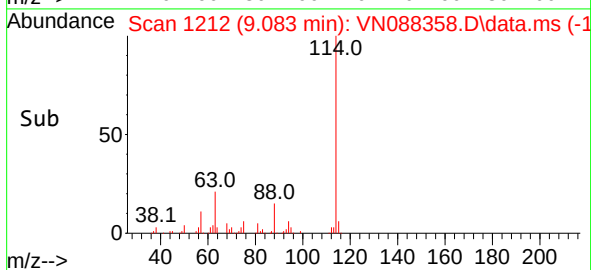
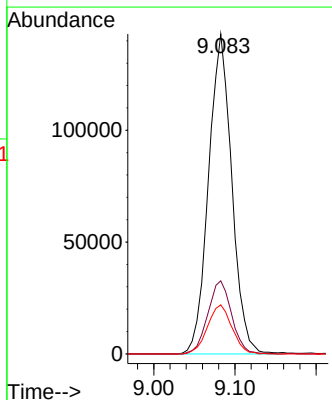
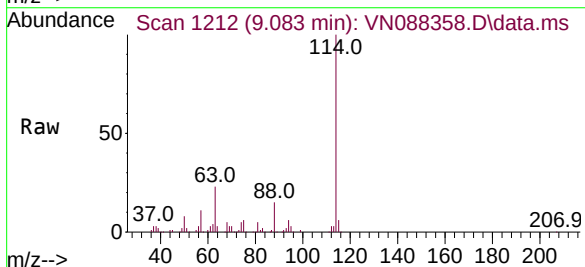
Manual Integrations
APPROVED

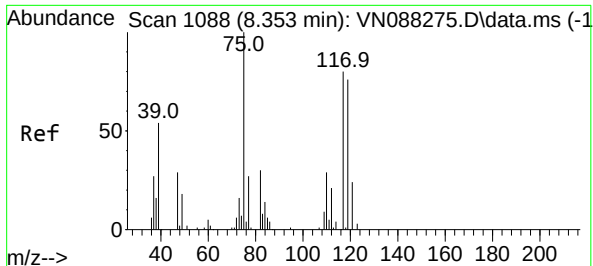
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

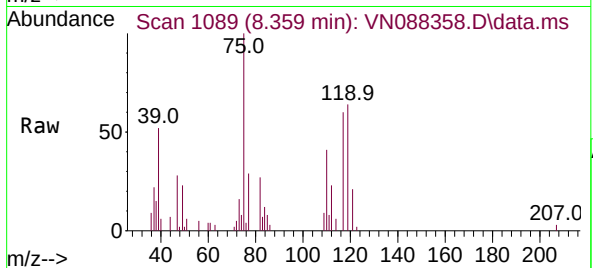
Tgt Ion:114 Resp: 284413
Ion Ratio Lower Upper
114 100
63 23.4 18.9 28.3
88 16.0 12.8 19.2





#29
1,1-Dichloropropene
Concen: 5.335 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

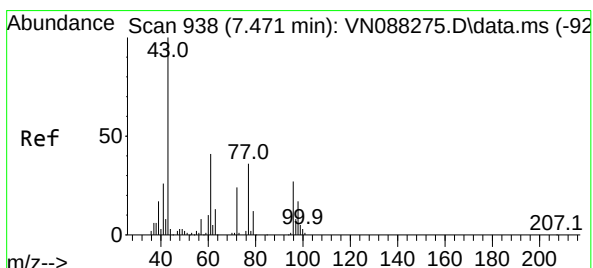
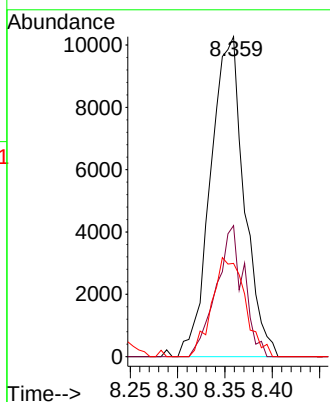
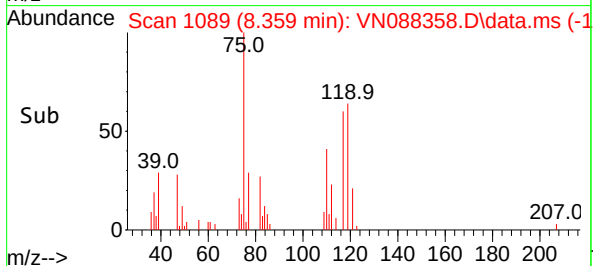
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 75 Resp: 25319
Ion Ratio Lower Upper
75 100
110 33.5 0.0 65.6
77 30.4 0.0 60.8

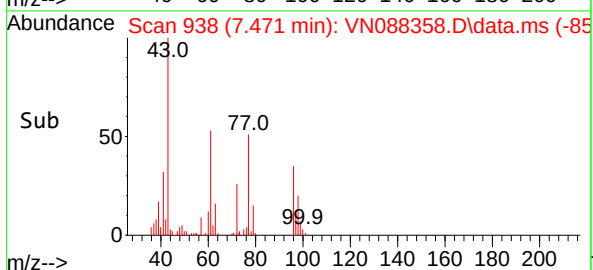
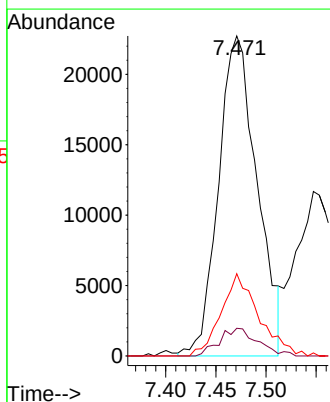
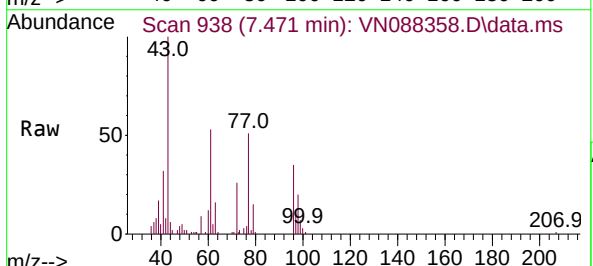
Manual Integrations
APPROVED

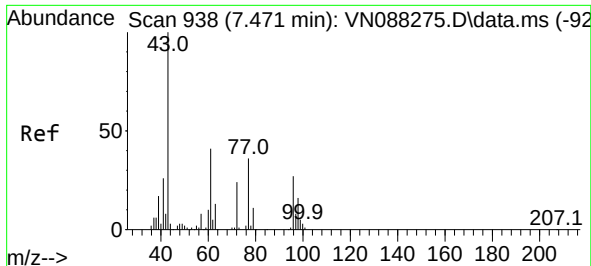
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#30
2-Butanone
Concen: 19.846 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion: 43 Resp: 60922
Ion Ratio Lower Upper
43 100
57 6.9 6.2 9.4
72 24.9 19.4 29.2





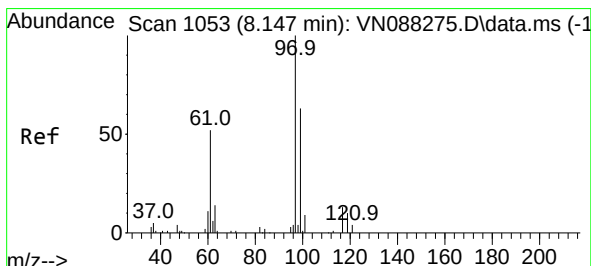
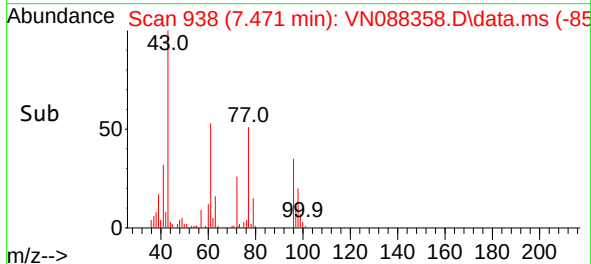
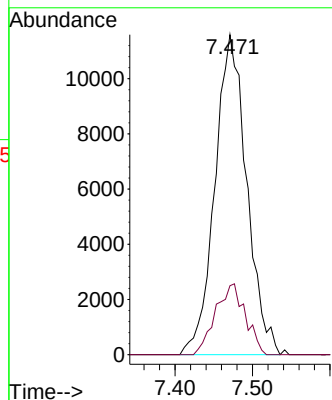
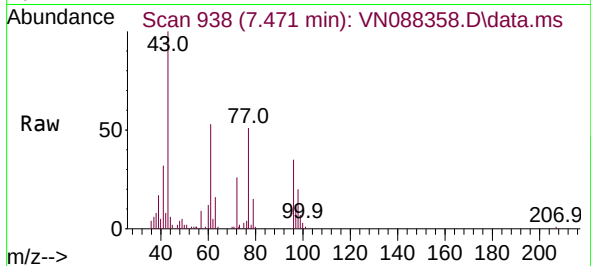
#31
2,2-Dichloropropane
Concen: 5.655 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion: 77 Resp: 33099
Ion Ratio Lower Upper
77 100
97 14.1 16.8 25.2

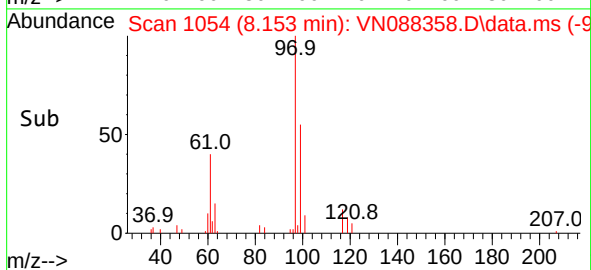
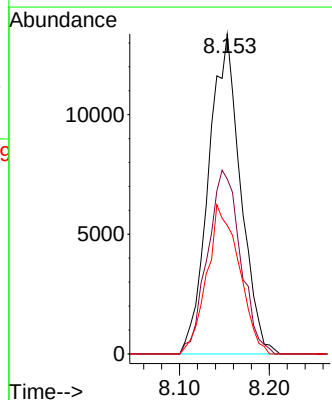
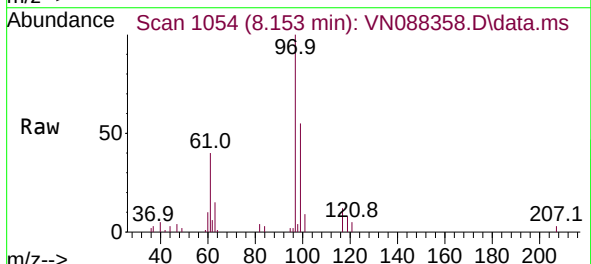
Manual Integrations
APPROVED

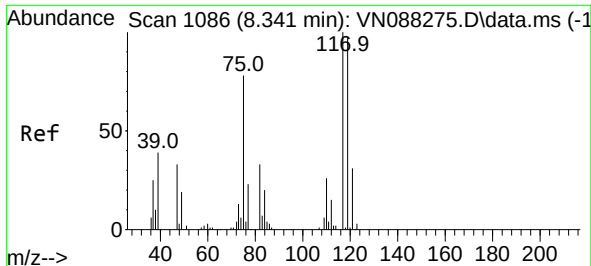
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#32
1,1,1-Trichloroethane
Concen: 5.670 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

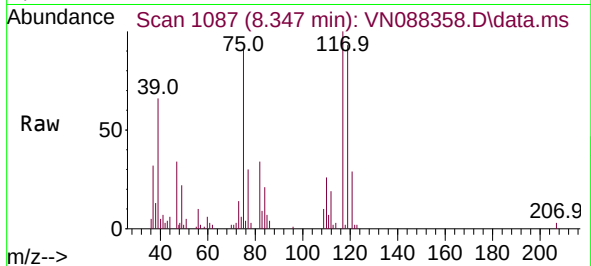
Tgt Ion: 97 Resp: 33171
Ion Ratio Lower Upper
97 100
99 59.3 50.2 75.4
61 46.9 39.8 59.8





#33
Carbon Tetrachloride
Concen: 5.317 ug/l
RT: 8.347 min Scan# 1086
Delta R.T. 0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

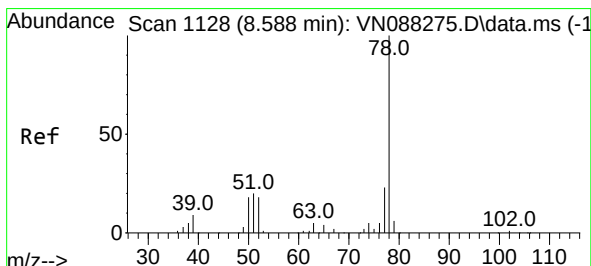
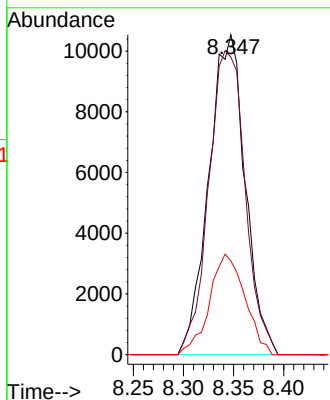
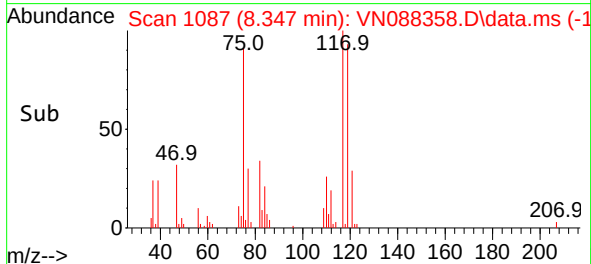
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 117 Resp: 26564
Ion Ratio Lower Upper
117 100
119 93.0 77.8 116.8
121 29.3 24.5 36.7

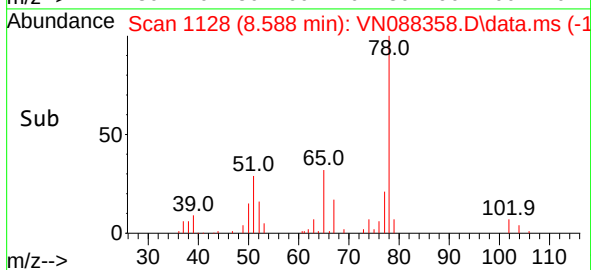
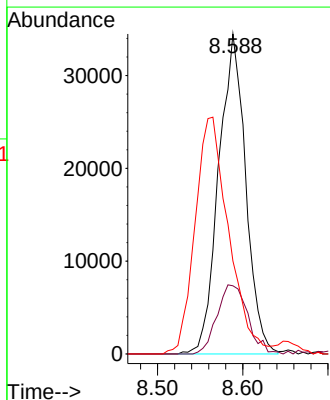
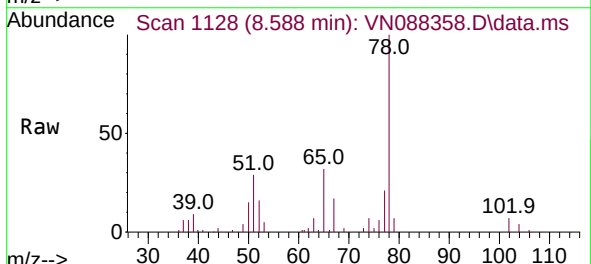
Manual Integrations
APPROVED

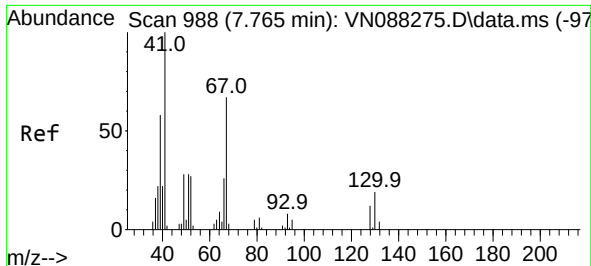
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#34
Benzene
Concen: 5.361 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

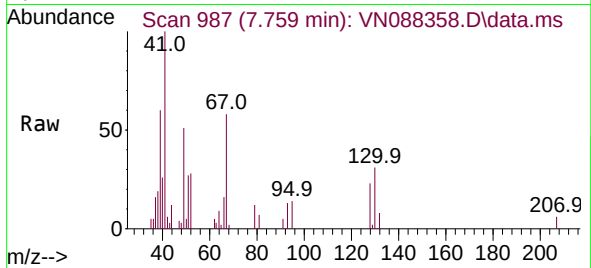
Tgt Ion: 78 Resp: 76039
Ion Ratio Lower Upper
78 100
77 21.3 18.6 27.8
51 26.4 15.8 23.8#





#35
Methacrylonitrile
Concen: 4.675 ug/l
RT: 7.759 min Scan# 988
Delta R.T. -0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

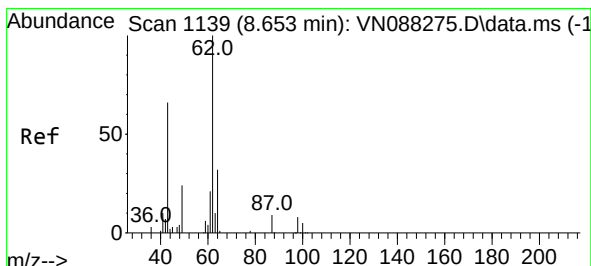
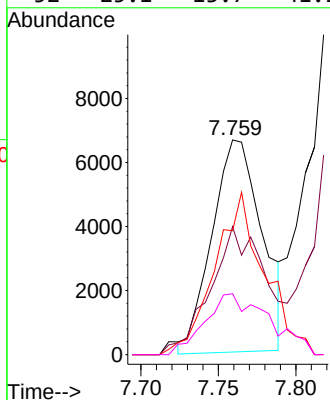
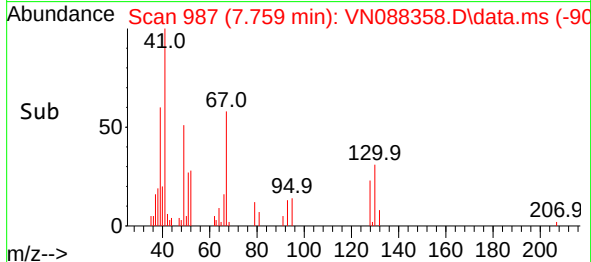
Instrument :
MSVOA_N
Client Sample Id :
LOQ-WATER-02-QT4-2025



Tgt Ion: 41 Resp: 14969
Ion Ratio Lower Upper
41 100
39 57.5 29.0 87.0
67 55.4 33.3 99.9
52 25.1 13.7 41.1

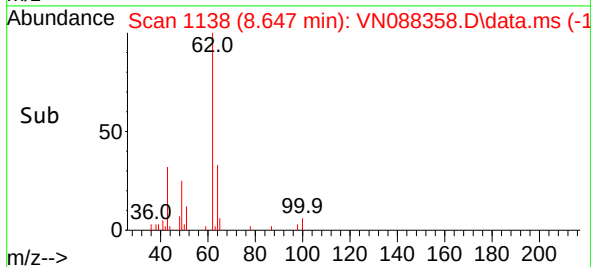
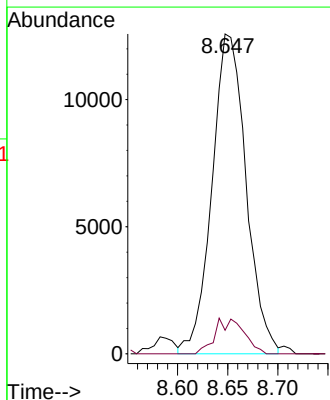
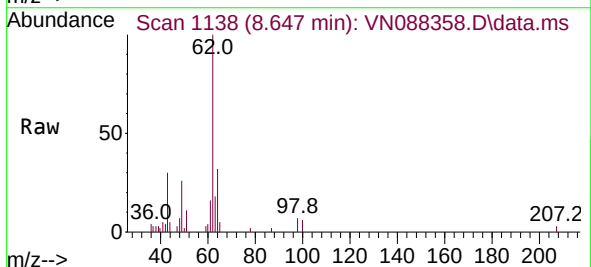
Manual Integrations
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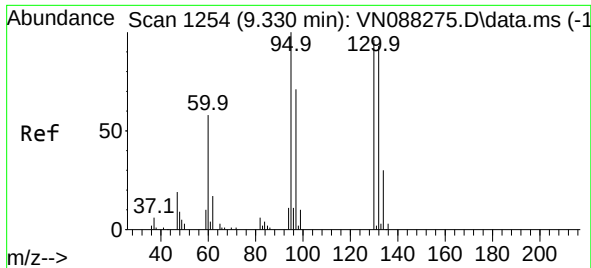
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#36
1,2-Dichloroethane
Concen: 5.392 ug/l
RT: 8.647 min Scan# 1138
Delta R.T. -0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion: 62 Resp: 29768
Ion Ratio Lower Upper
62 100
98 5.4 6.8 10.2#





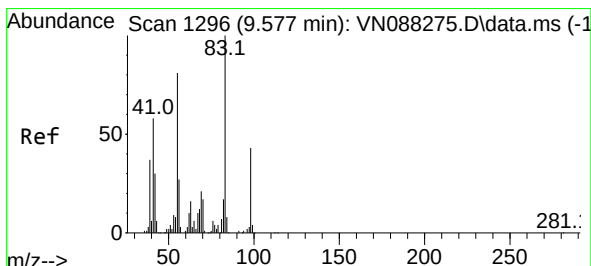
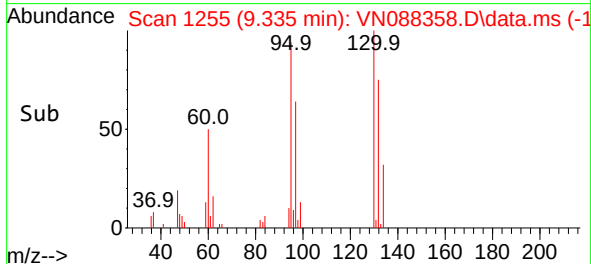
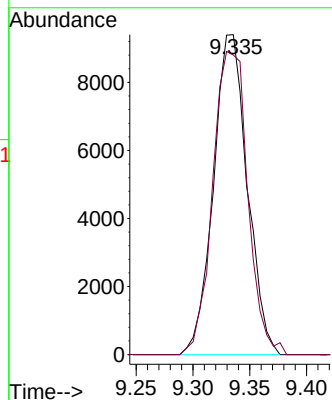
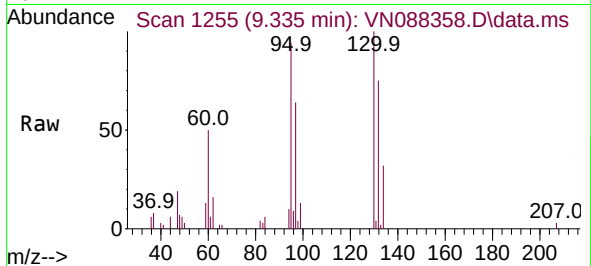
#37
Trichloroethene
Concen: 6.055 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion:130 Resp: 1946
Ion Ratio Lower Upper
130 100
95 93.6 83.7 125.5

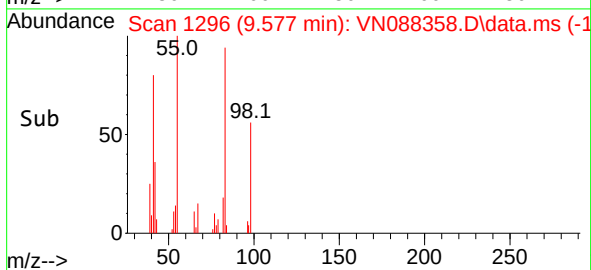
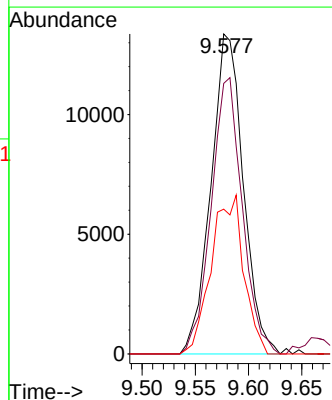
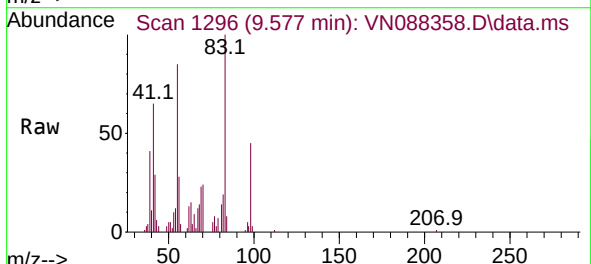
Manual Integrations
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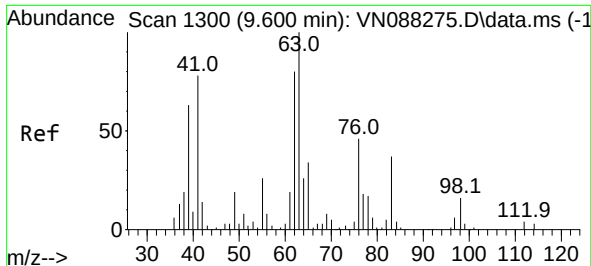
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#38
Methylcyclohexane
Concen: 5.183 ug/l
RT: 9.577 min Scan# 1296
Delta R.T. -0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion: 83 Resp: 28200
Ion Ratio Lower Upper
83 100
55 0.0 40.8 122.5#
98 32.0 23.4 70.3





#39

1,2-Dichloropropane

Concen: 5.573 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VN088358.D

Acq: 25 Nov 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 63 Resp: 20395

Ion Ratio Lower Upper

63 100

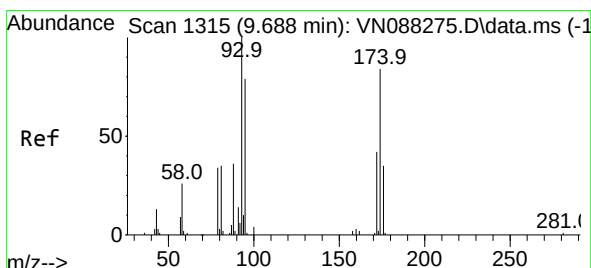
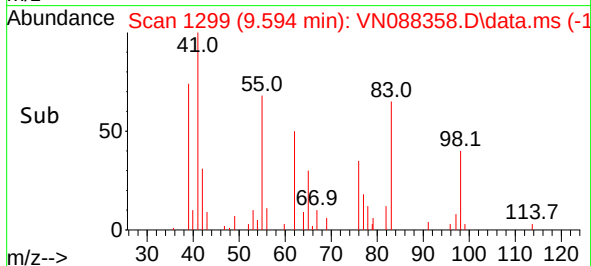
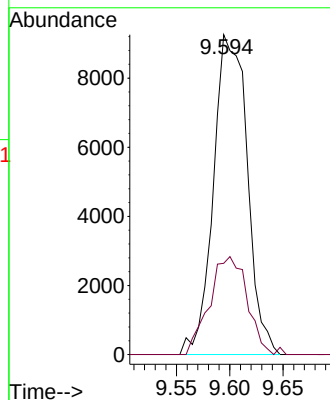
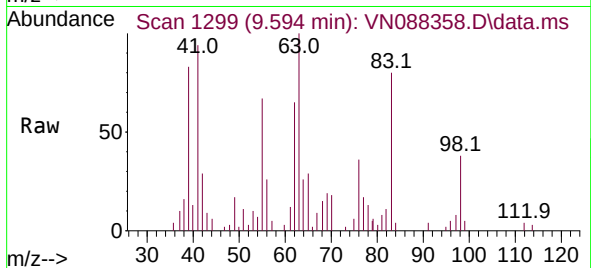
65 28.5 27.8 41.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#40

Dibromomethane

Concen: 5.440 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VN088358.D

Acq: 25 Nov 2025 13:25

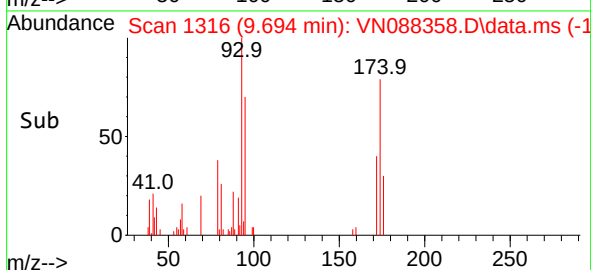
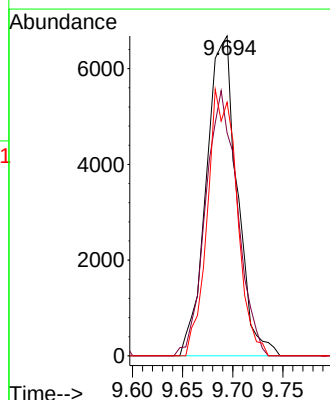
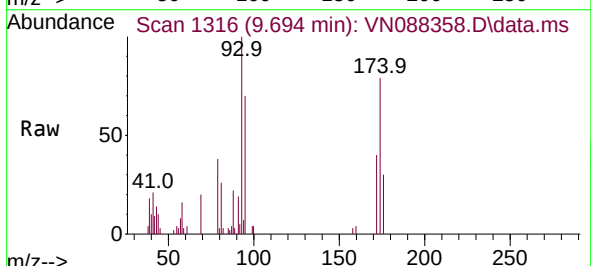
Tgt Ion: 93 Resp: 14304

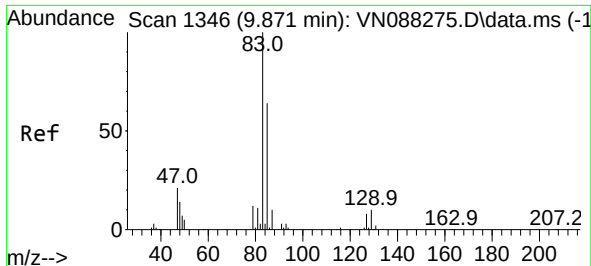
Ion Ratio Lower Upper

93 100

95 85.4 0.0 161.6

174 79.6 0.0 158.2





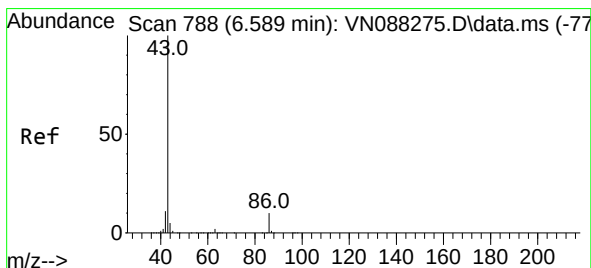
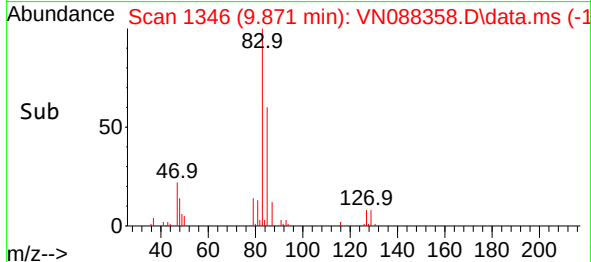
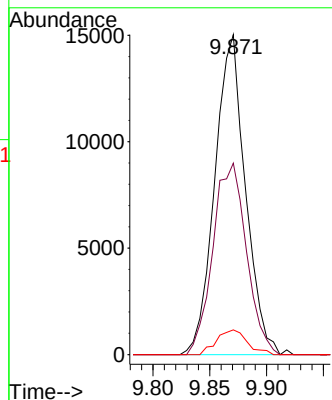
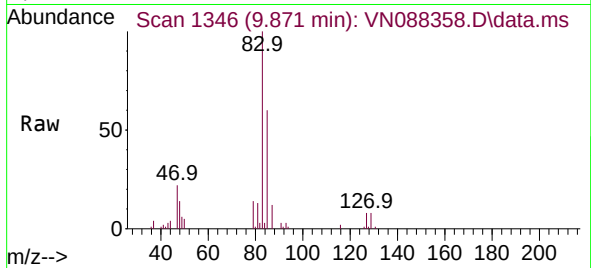
#41
Bromodichloromethane
Concen: 5.311 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion: 83 Resp: 2811
Ion Ratio Lower Upper
83 100
85 59.8 51.4 77.2
127 7.7 6.4 9.6

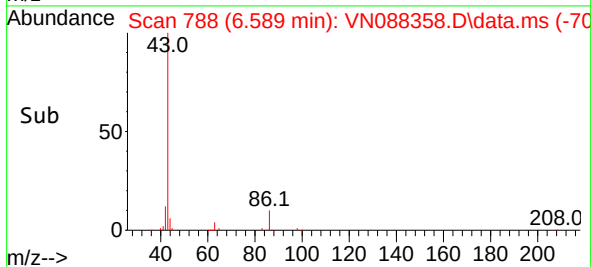
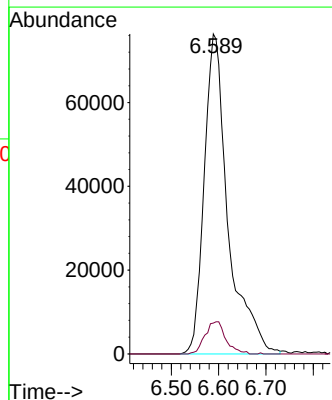
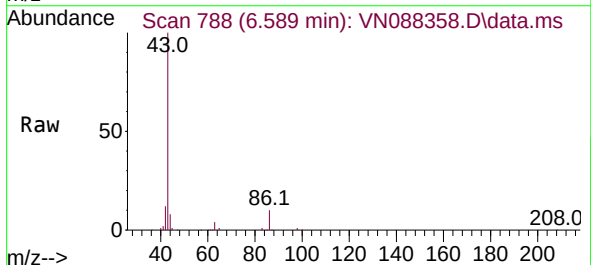
Manual Integrations
APPROVED

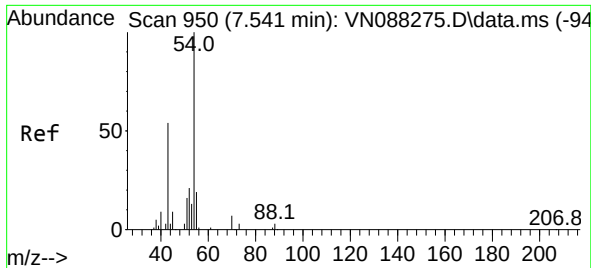
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#42
Vinyl Acetate
Concen: 26.103 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

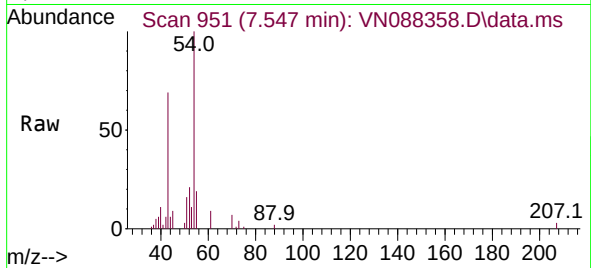
Tgt Ion: 43 Resp: 267439
Ion Ratio Lower Upper
43 100
86 8.7 7.4 11.2





#43
Ethyl Acetate
Concen: 5.358 ug/l
RT: 7.547 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

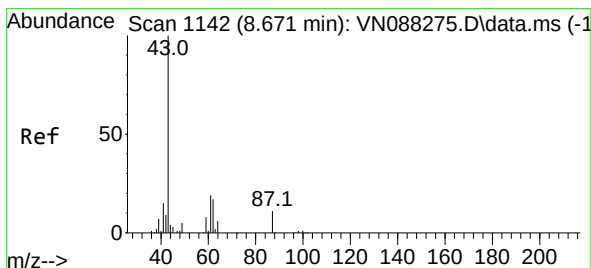
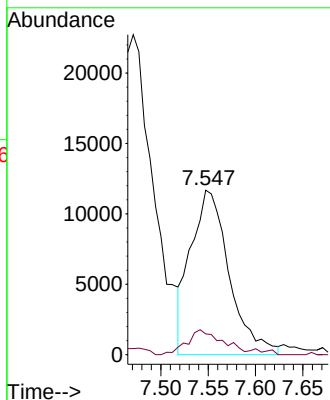
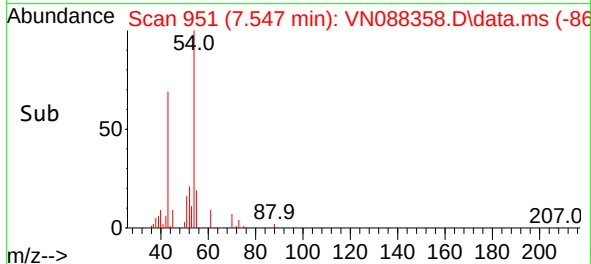
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 43 Resp: 33095
Ion Ratio Lower Upper
43 100
45 13.7 9.9 14.9

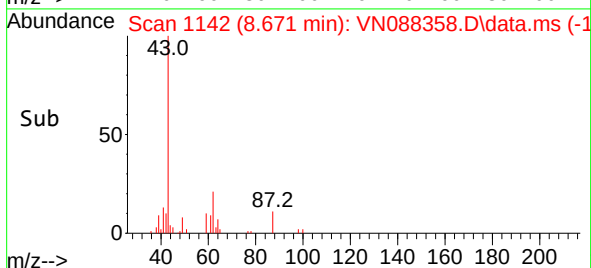
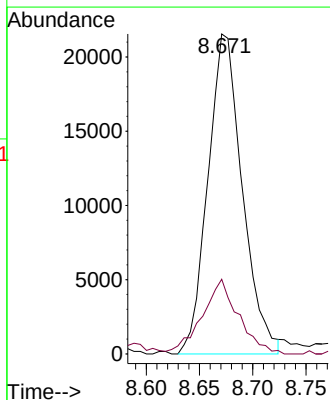
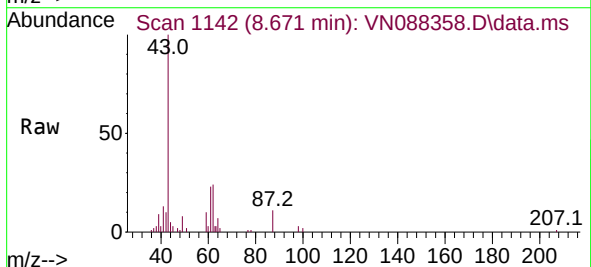
Manual Integrations
APPROVED

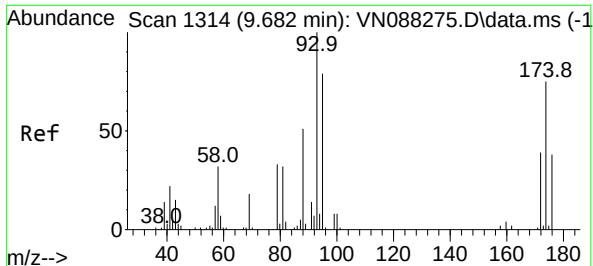
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#44
Isopropyl Acetate
Concen: 5.090 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

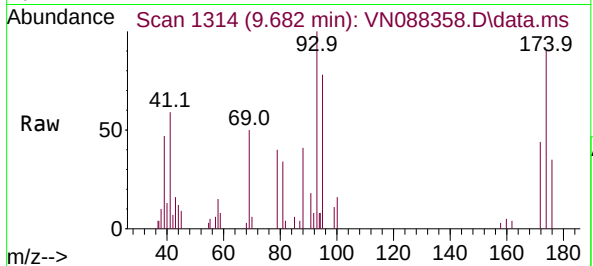
Tgt Ion: 43 Resp: 48449
Ion Ratio Lower Upper
43 100
61 24.7 19.0 28.6





#45
1,4-Dioxane
Concen: 105.774 ug/l m
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

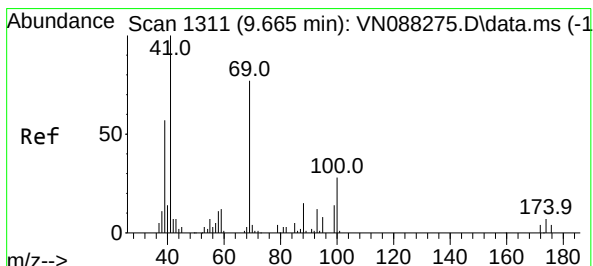
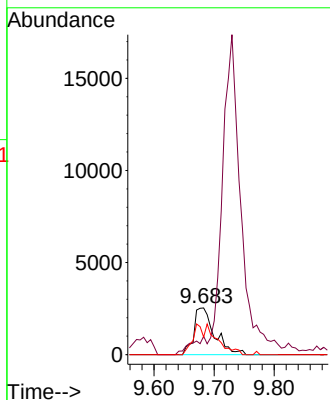
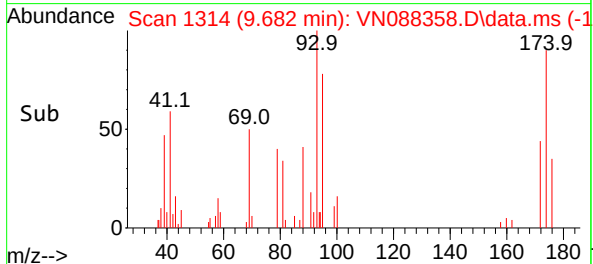
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 88 Resp: 6063
Ion Ratio Lower Upper
88 100
43 2.3 27.8 41.8
58 35.4 59.5 89.3

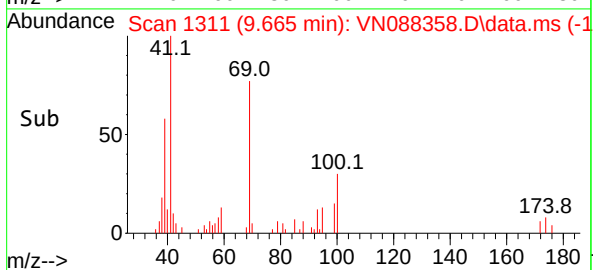
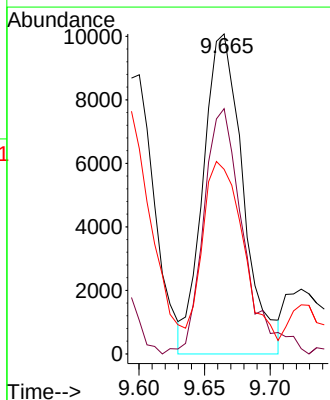
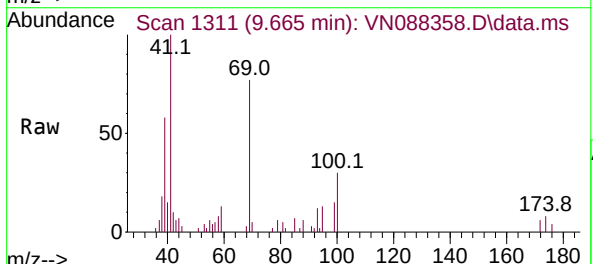
Manual Integrations
APPROVED

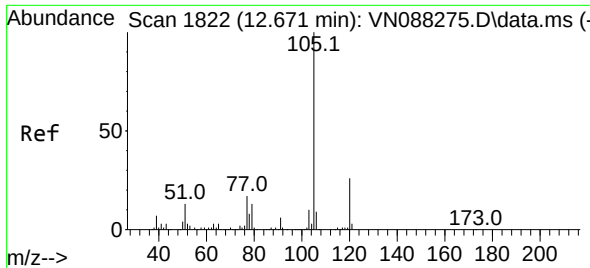
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#46
Methyl methacrylate
Concen: 4.799 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion: 41 Resp: 21374
Ion Ratio Lower Upper
41 100
69 83.5 38.5 115.3
39 59.5 29.0 87.1





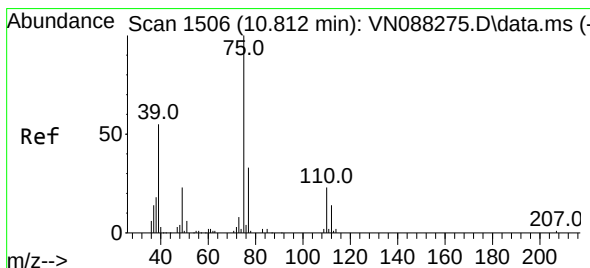
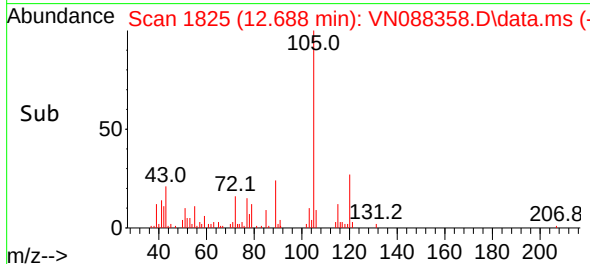
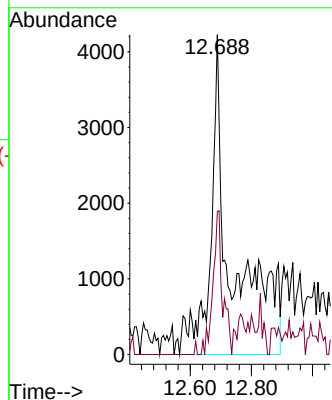
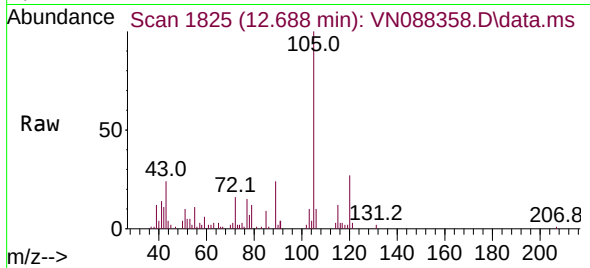
#47
n-amy1 Acetate
Concen: 4.223 ug/l m
RT: 12.688 min Scan# 1822
Delta R.T. 0.018 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion: 43 Resp: 20369
Ion Ratio Lower Upper
43 100
55 15.0 0.0 0.0

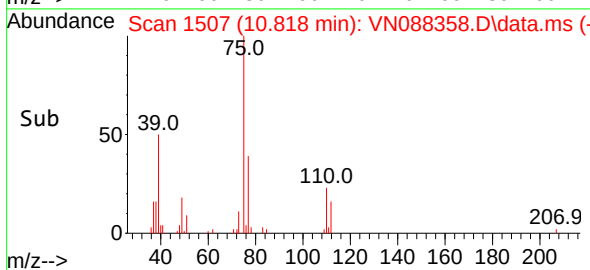
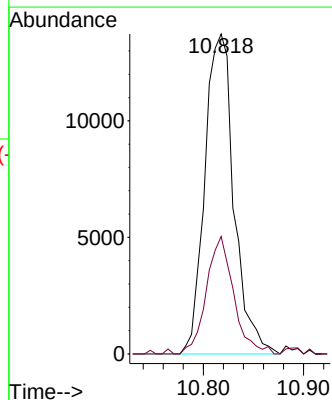
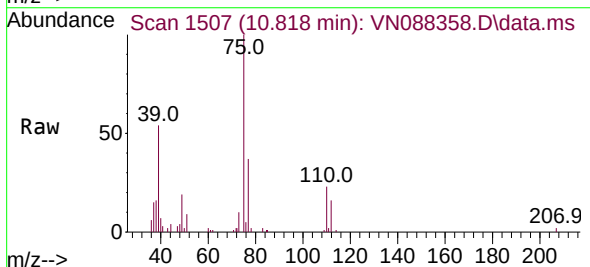
Manual Integrations
APPROVED

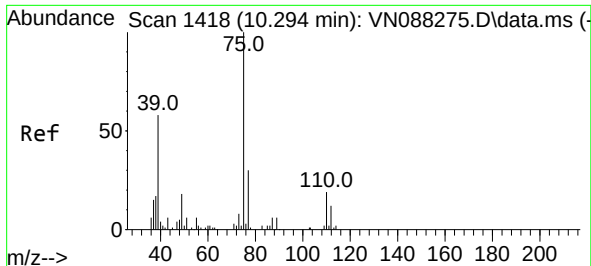
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#48
t-1,3-Dichloropropene
Concen: 4.895 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion: 75 Resp: 27714
Ion Ratio Lower Upper
75 100
77 36.7 26.1 39.1





#49

cis-1,3-Dichloropropene

Concen: 5.140 ug/l

RT: 10.288 min Scan# 1418

Delta R.T. -0.006 min

Lab File: VN088358.D

Acq: 25 Nov 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

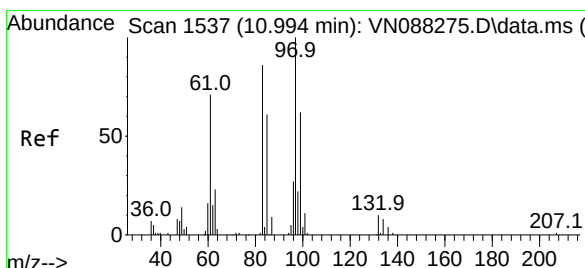
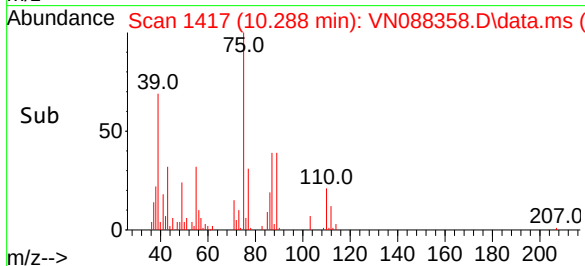
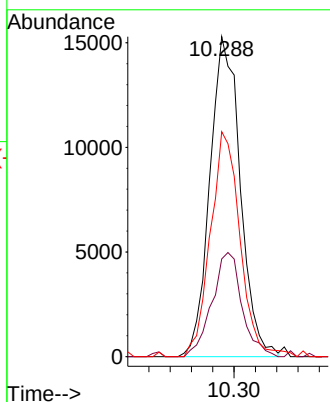
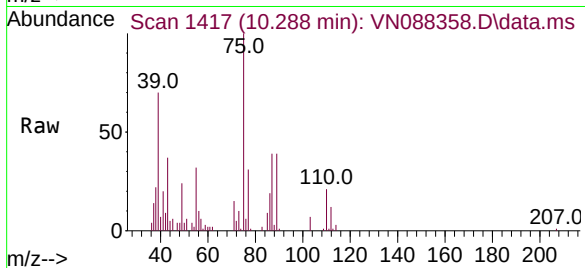
Tgt Ion: 75	Resp: 30275
Ion Ratio	Lower Upper
75 100	
77 30.5	24.4 36.6
39 70.3	46.1 69.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#50

1,1,2-Trichloroethane

Concen: 5.366 ug/l

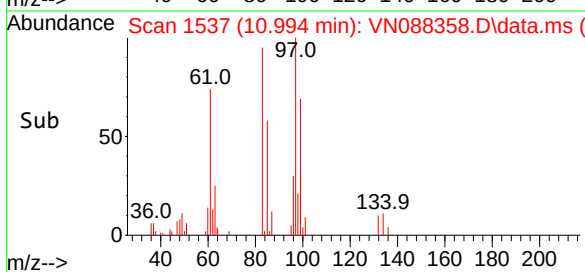
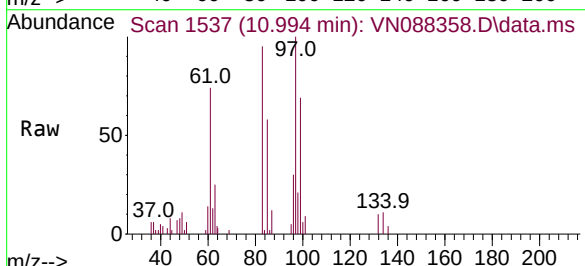
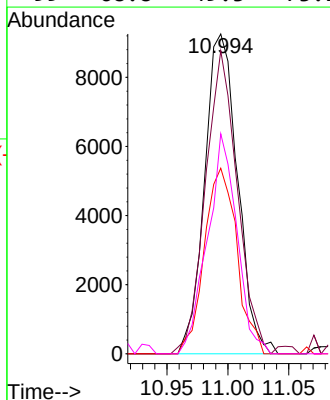
RT: 10.994 min Scan# 1537

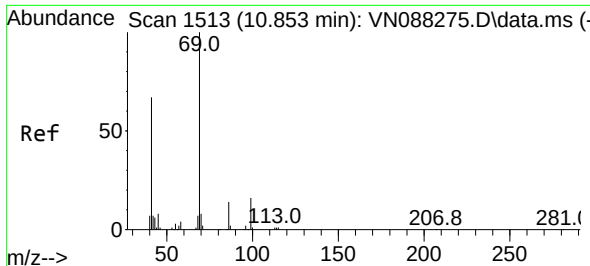
Delta R.T. 0.000 min

Lab File: VN088358.D

Acq: 25 Nov 2025 13:25

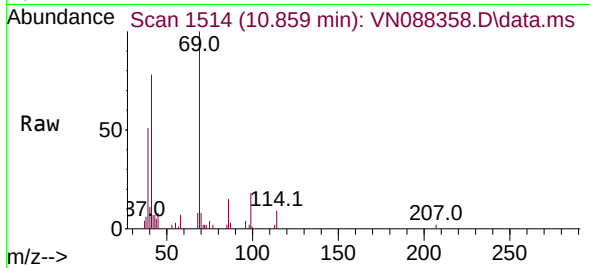
Tgt Ion: 97	Resp: 17447
Ion Ratio	Lower Upper
97 100	
83 92.7	68.6 102.8
85 58.0	49.0 73.6
99 68.8	49.3 73.9





#51
Ethyl methacrylate
Concen: 4.092 ug/l
RT: 10.859 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

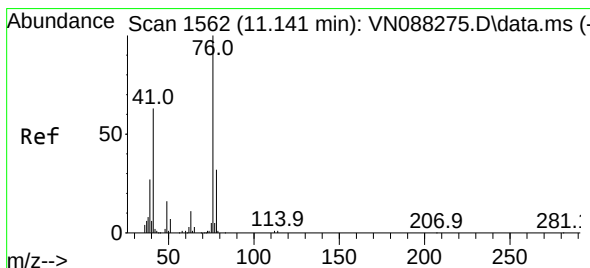
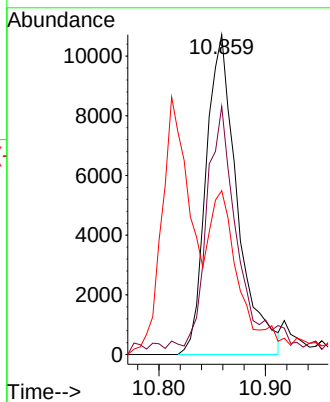
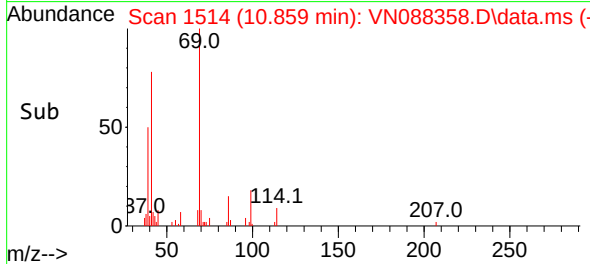
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 69 Resp: 2188
Ion Ratio Lower Upper
69 100
41 74.3 33.6 100.8
39 47.1 23.4 70.2

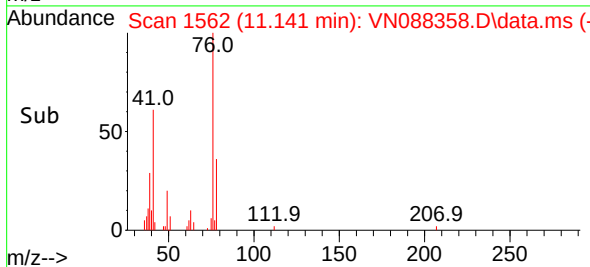
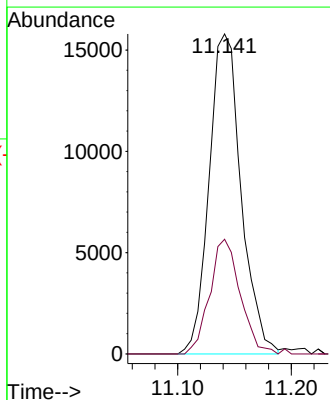
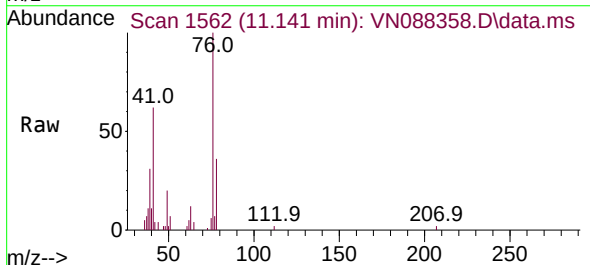
Manual Integrations
APPROVED

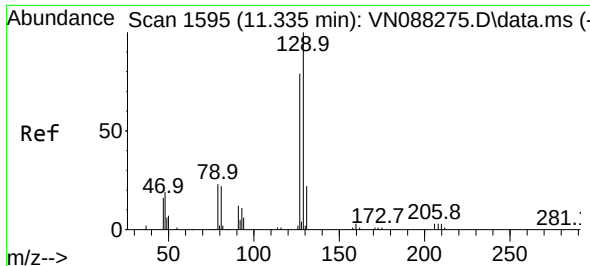
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#52
1,3-Dichloropropane
Concen: 5.220 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

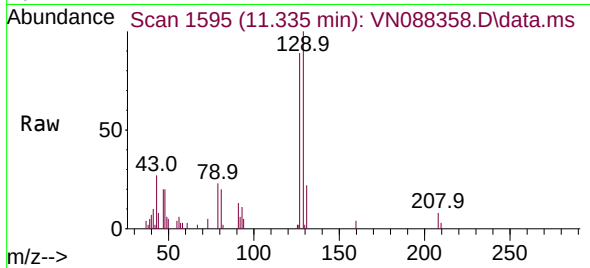
Tgt Ion: 76 Resp: 30907
Ion Ratio Lower Upper
76 100
78 33.8 0.0 64.2





#53
Dibromochloromethane
Concen: 4.893 ug/l
RT: 11.335 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

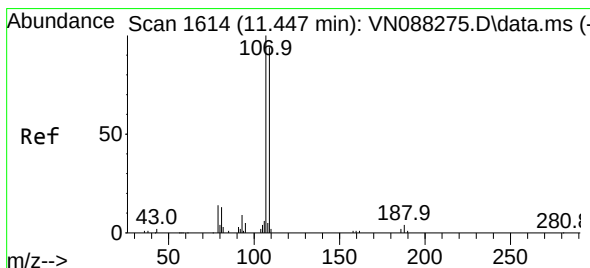
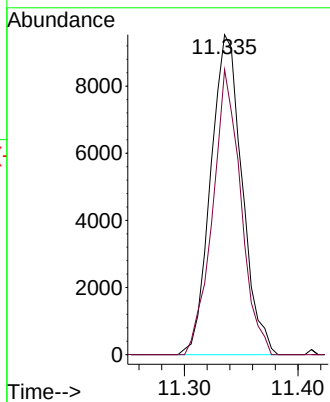
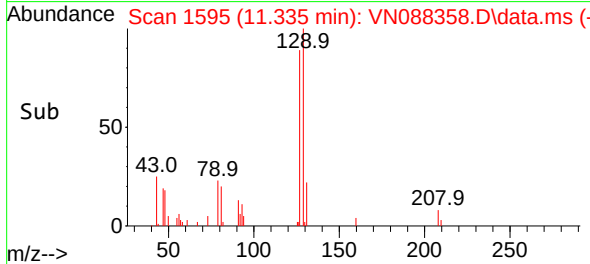
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



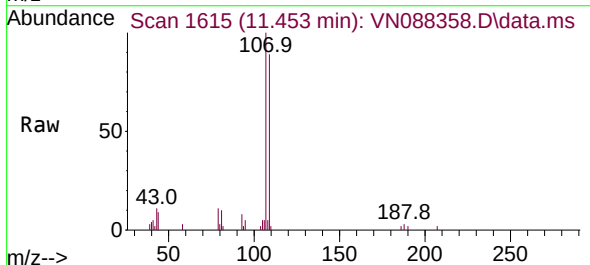
Tgt Ion:129 Resp: 18275
Ion Ratio Lower Upper
129 100
127 80.0 38.2 114.6

Manual Integrations
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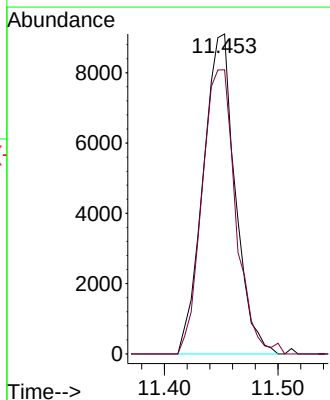
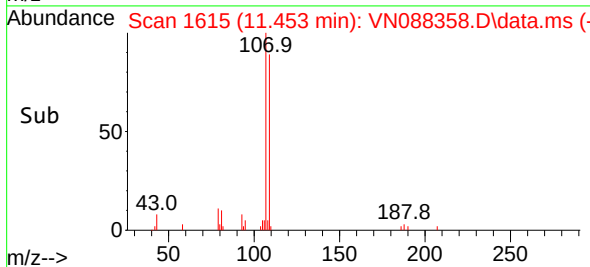
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

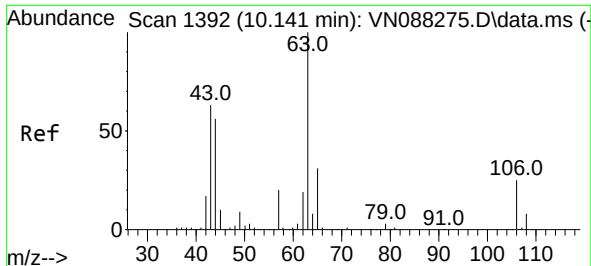


#54
1,2-Dibromoethane
Concen: 5.297 ug/l
RT: 11.453 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25



Tgt Ion:107 Resp: 17895
Ion Ratio Lower Upper
107 100
109 92.6 76.6 115.0





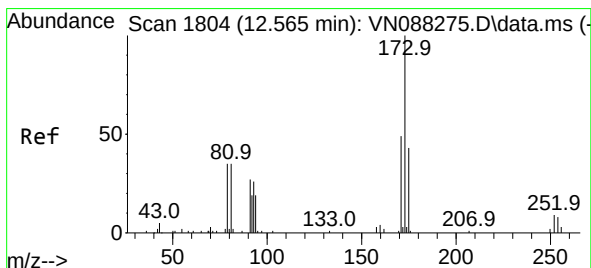
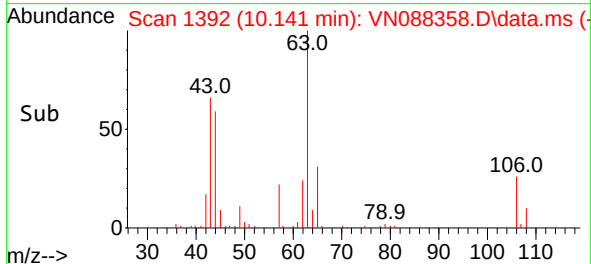
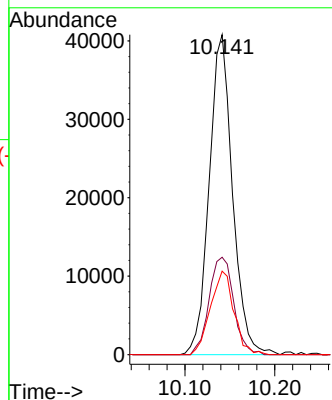
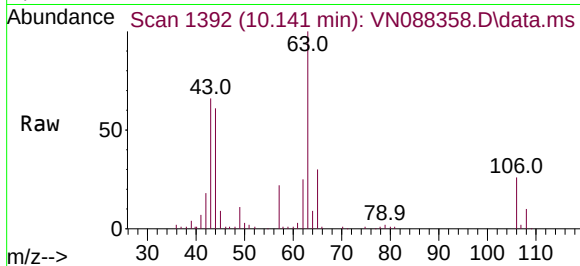
#55
2-Chloroethyl vinyl ether
Concen: 24.019 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion: 63 Resp: 74012
Ion Ratio Lower Upper
63 100
65 32.1 24.9 37.3
106 26.1 20.3 30.5

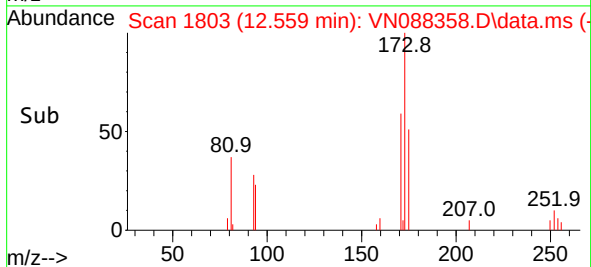
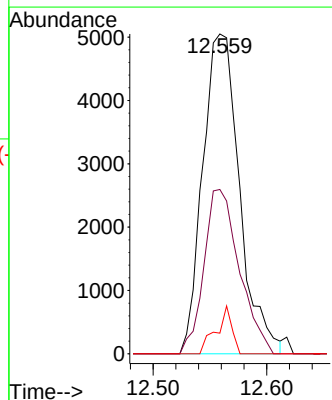
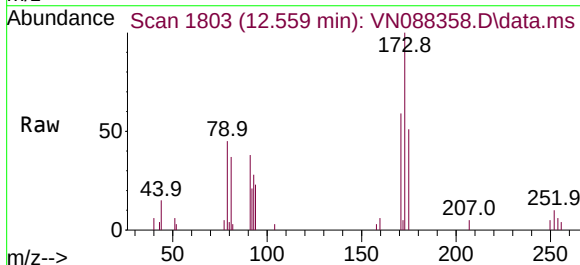
Manual Integrations
APPROVED

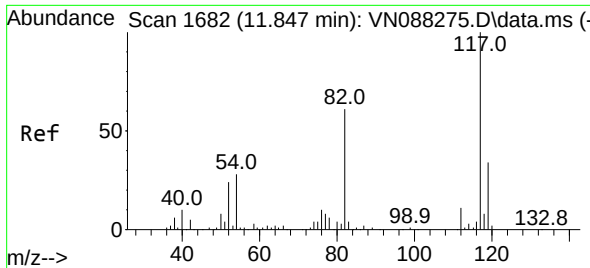
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#56
Bromoform
Concen: 4.815 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion:173 Resp: 11383
Ion Ratio Lower Upper
173 100
175 49.4 37.7 56.5
254 3.4 5.9 8.9#





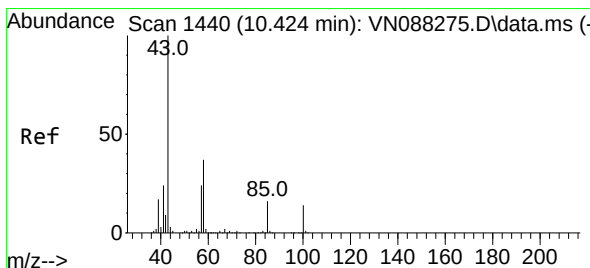
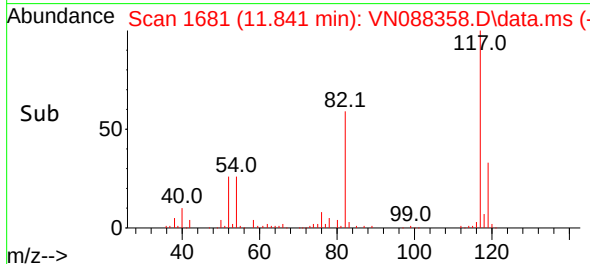
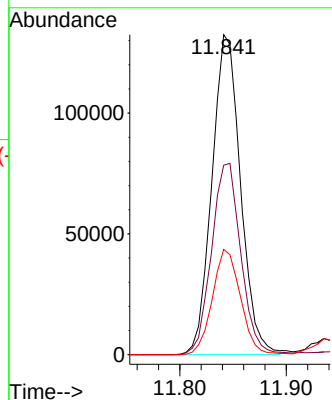
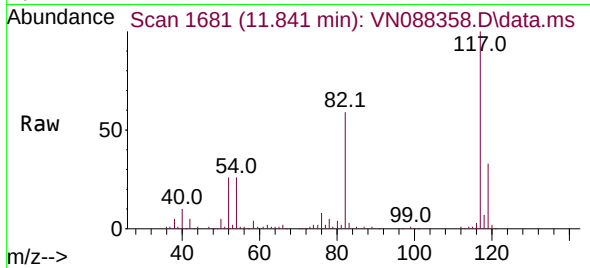
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion:117 Resp: 24768
Ion Ratio Lower Upper
117 100
82 61.2 49.3 73.9
119 32.2 26.4 39.6

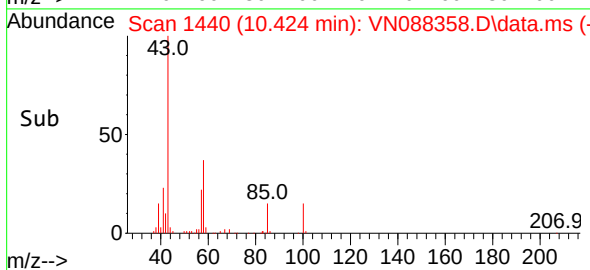
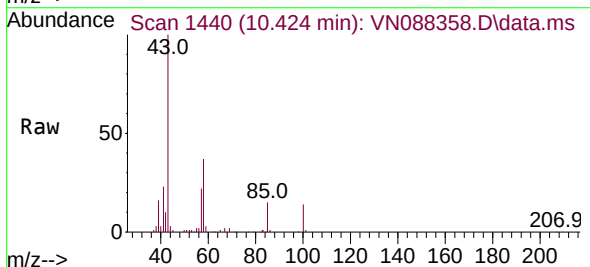
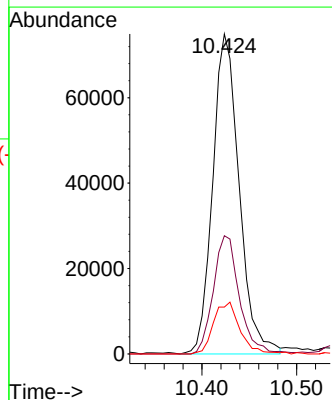
Manual Integrations
APPROVED

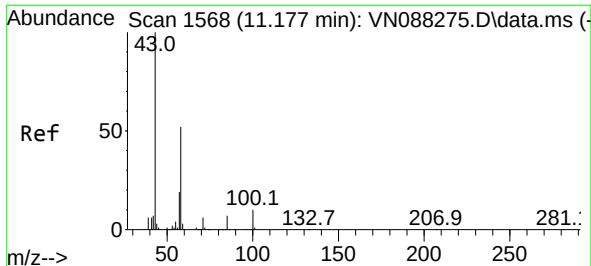
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#58
4-Methyl-2-Pentanone
Concen: 25.948 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

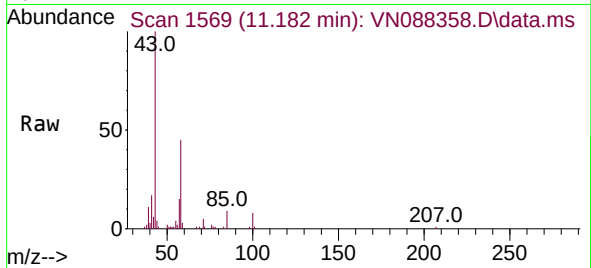
Tgt Ion: 43 Resp: 145363
Ion Ratio Lower Upper
43 100
58 36.1 29.2 43.8
85 16.0 12.6 19.0





#59
2-Hexanone
Concen: 18.347 ug/l
RT: 11.182 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

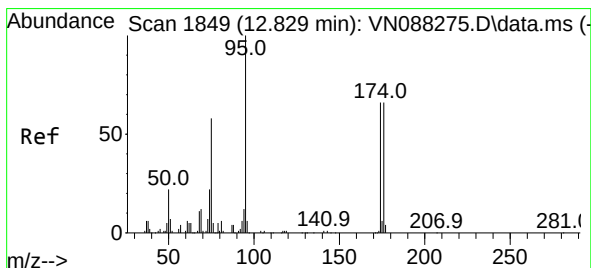
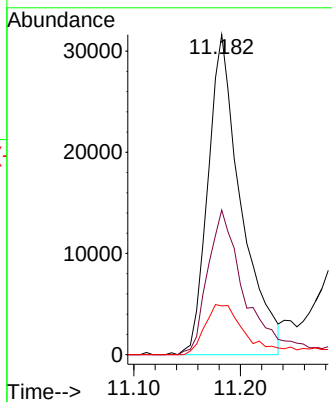
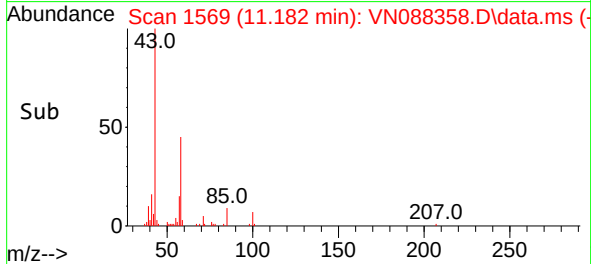
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 43 Resp: 68250
Ion Ratio Lower Upper
43 100
58 51.5 41.0 61.4
57 18.6 14.4 21.6

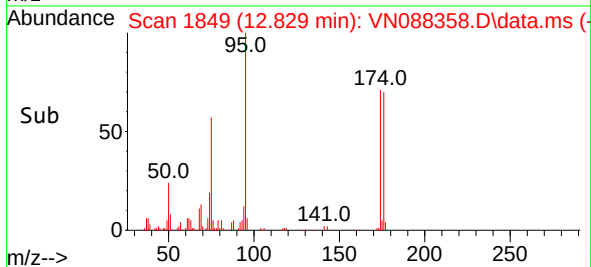
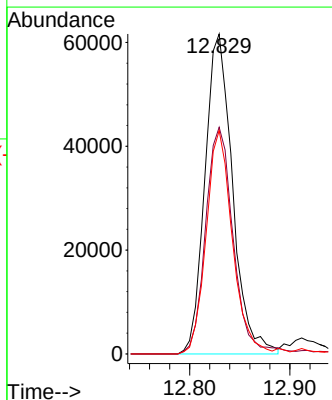
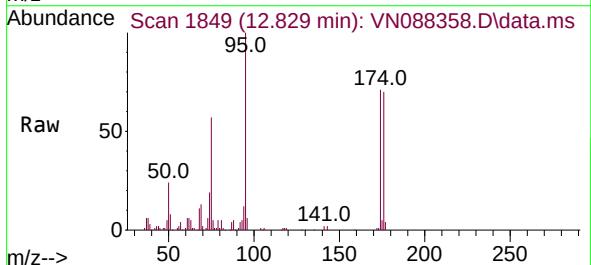
Manual Integrations
APPROVED

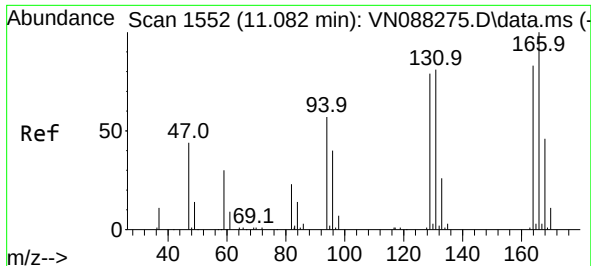
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#60
4-Bromofluorobenzene
Concen: 28.135 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

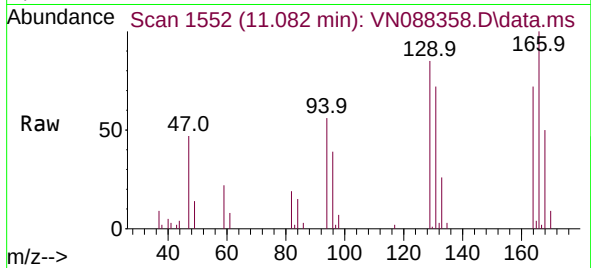
Tgt Ion: 95 Resp: 117800
Ion Ratio Lower Upper
95 100
174 71.0 54.5 81.7
176 66.4 53.8 80.6





#61
Tetrachloroethene
Concen: 6.441 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

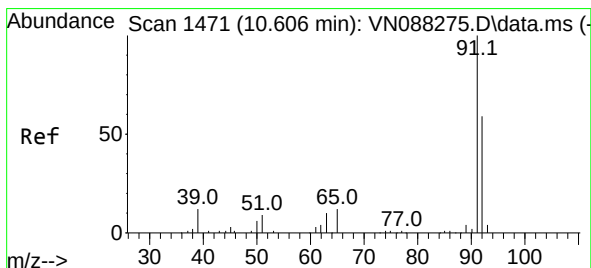
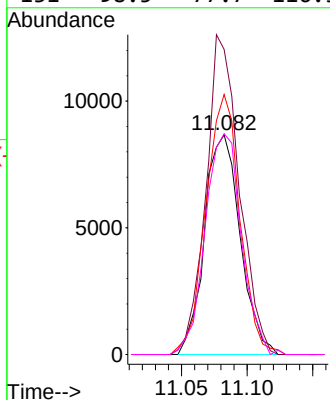
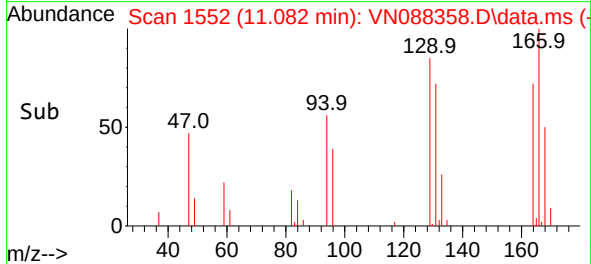
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2025



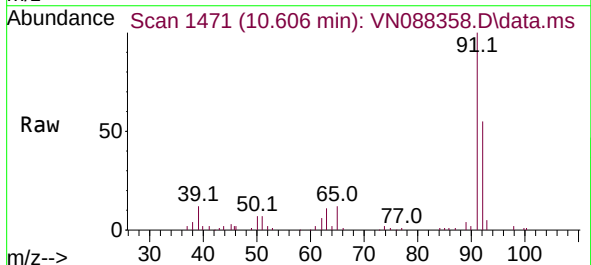
Tgt Ion:164 Resp: 16447
Ion Ratio Lower Upper
164 100
166 138.9 96.3 144.5
129 116.2 76.2 114.2
131 98.5 77.7 116.5

Manual Integrations
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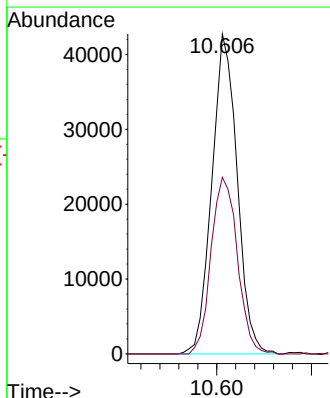
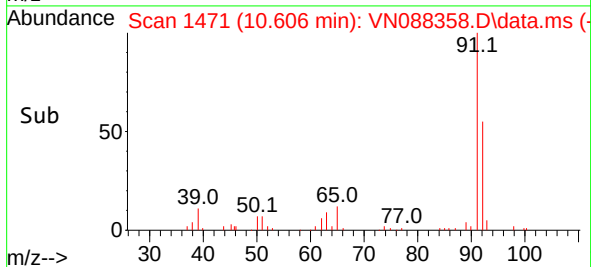
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

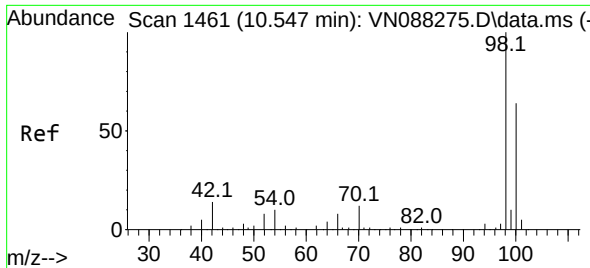


#62
Toluene
Concen: 5.573 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25



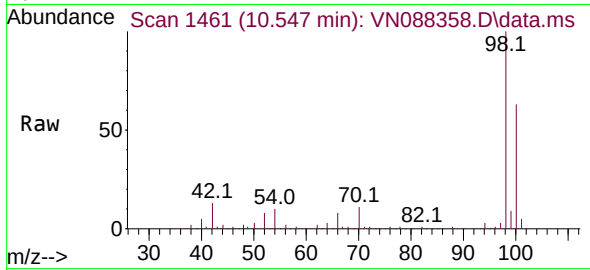
Tgt Ion: 91 Resp: 79207
Ion Ratio Lower Upper
91 100
92 57.4 46.7 70.1





#63
Toluene-d8
Concen: 31.400 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

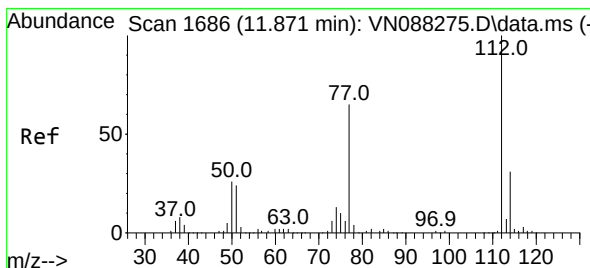
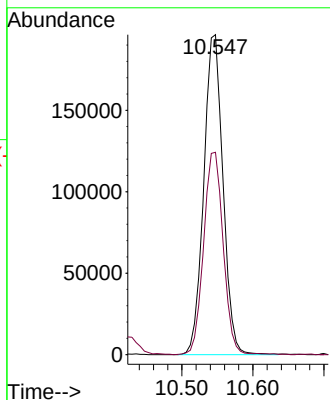
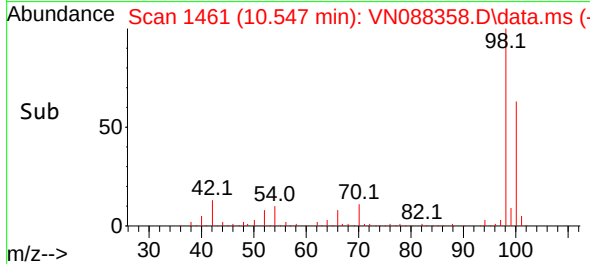
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 98 Resp: 368214
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4

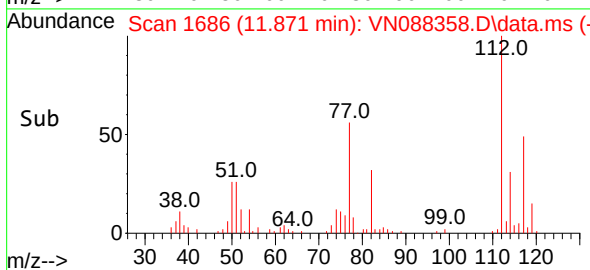
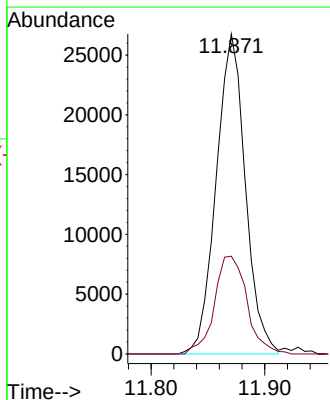
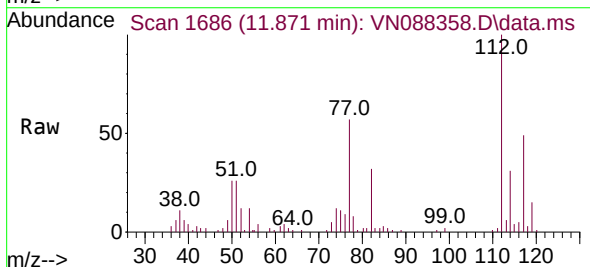
Manual Integrations
APPROVED

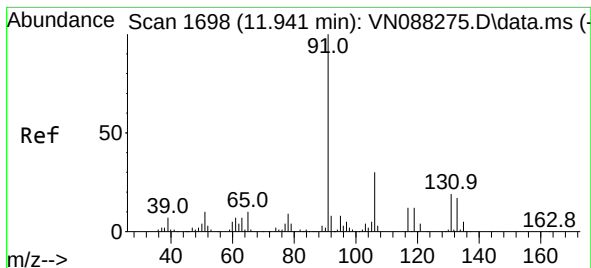
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#64
Chlorobenzene
Concen: 5.420 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

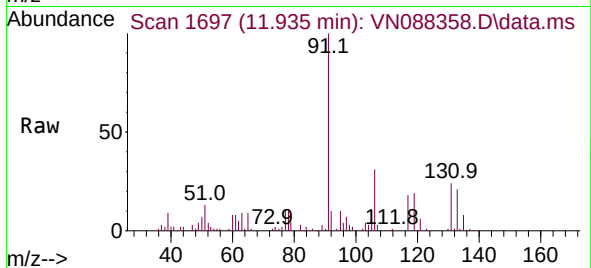
Tgt Ion:112 Resp: 47713
Ion Ratio Lower Upper
112 100
114 30.5 25.0 37.4





#65
1,1,1,2-Tetrachloroethane
Concen: 5.355 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

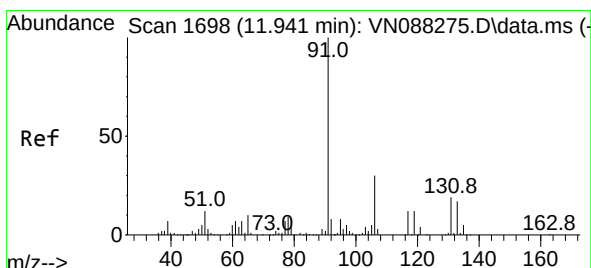
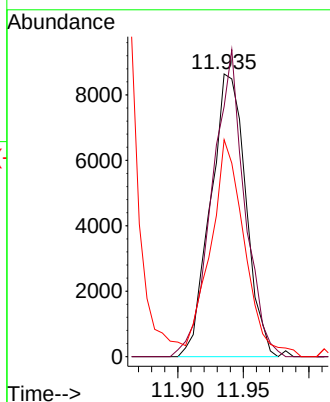
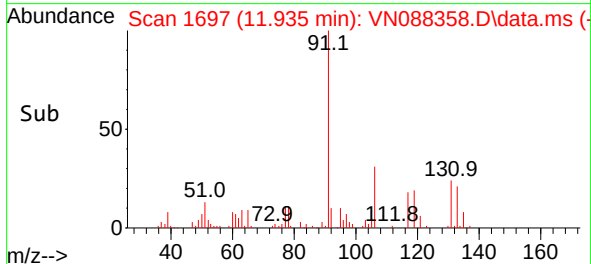
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:131 Resp: 16135
Ion Ratio Lower Upper
131 100
133 100.2 0.0 181.4
119 74.0 0.0 135.0

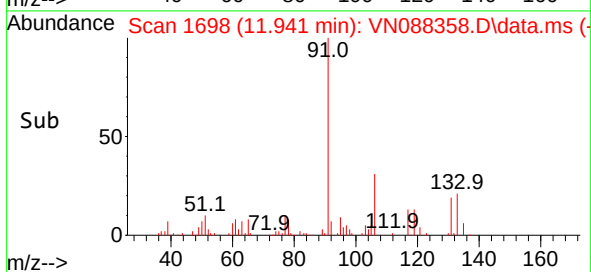
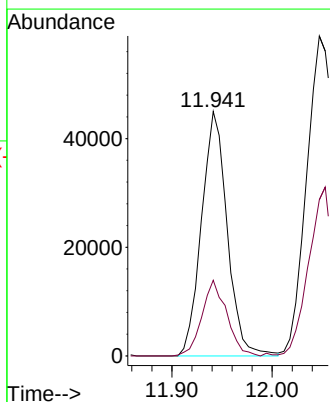
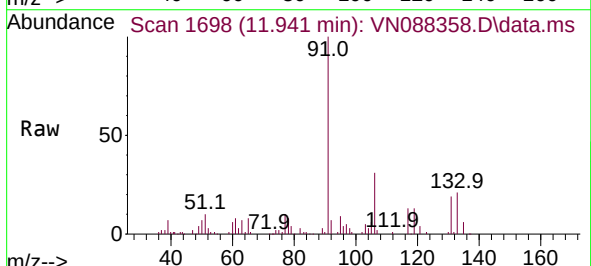
Manual Integrations
APPROVED

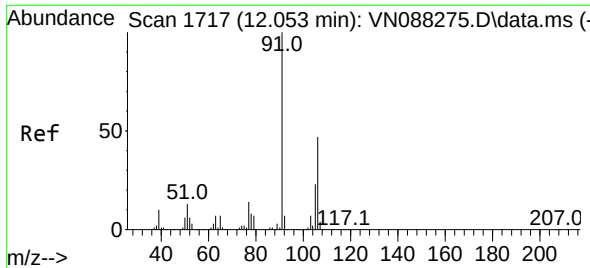
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#66
Ethyl Benzene
Concen: 5.117 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion: 91 Resp: 80158
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6





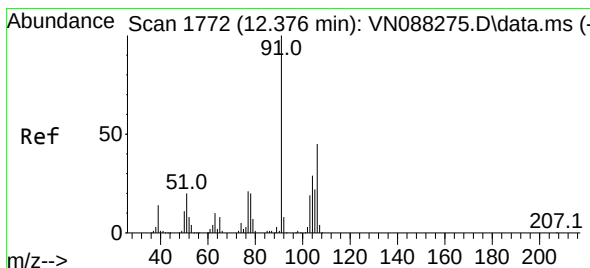
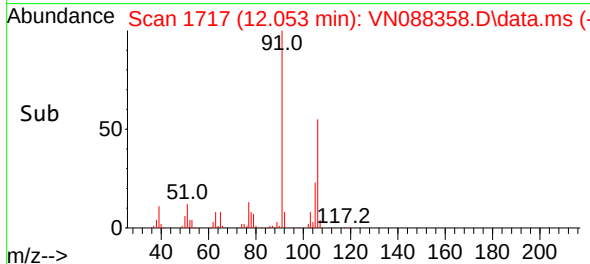
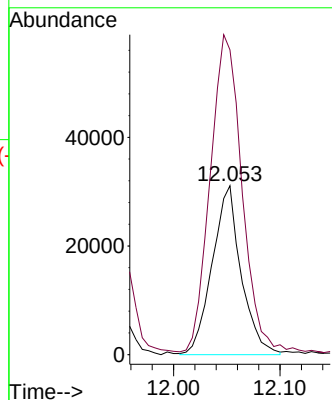
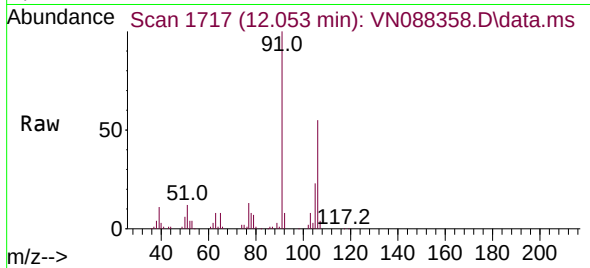
#67
m/p-Xylenes
Concen: 10.001 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion:106 Resp: 58589
Ion Ratio Lower Upper
106 100
91 204.8 168.3 252.5

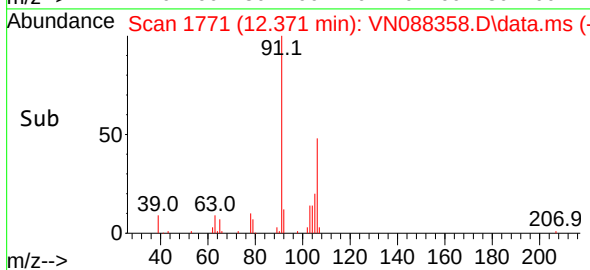
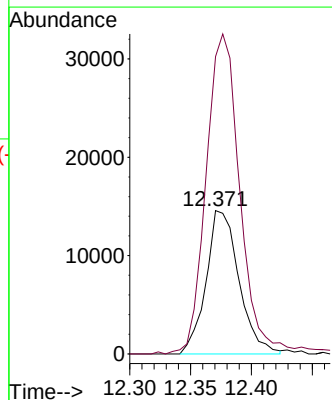
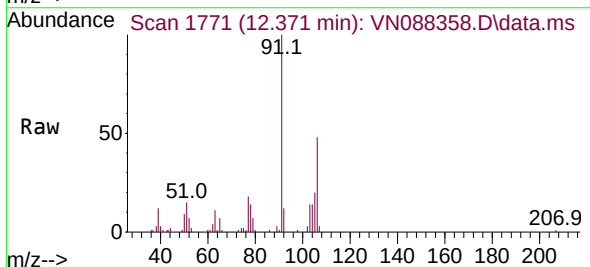
Manual Integrations
APPROVED

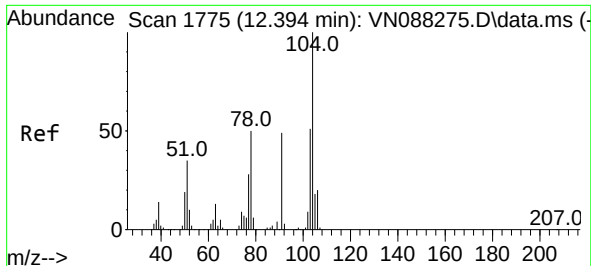
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#68
o-Xylene
Concen: 4.955 ug/l
RT: 12.371 min Scan# 1771
Delta R.T. -0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

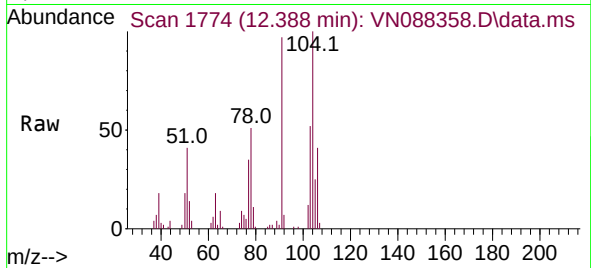
Tgt Ion:106 Resp: 27382
Ion Ratio Lower Upper
106 100
91 228.0 114.0 342.0





#69
Styrene
Concen: 4.565 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

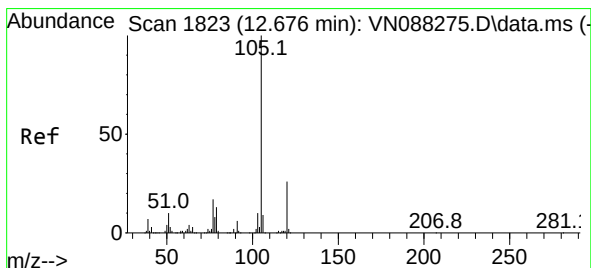
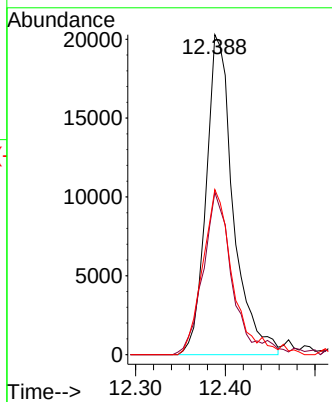
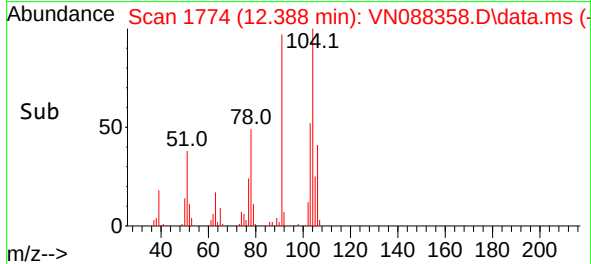
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:104 Resp: 42846
Ion Ratio Lower Upper
104 100
78 52.4 43.8 65.8
103 54.2 44.8 67.2

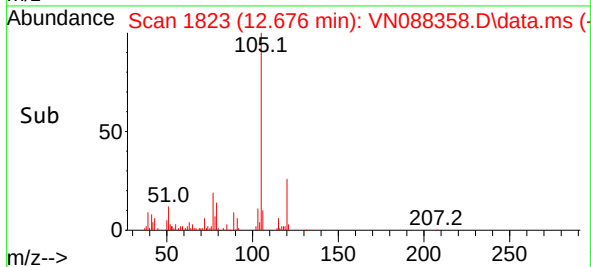
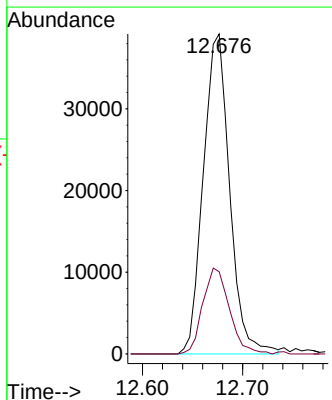
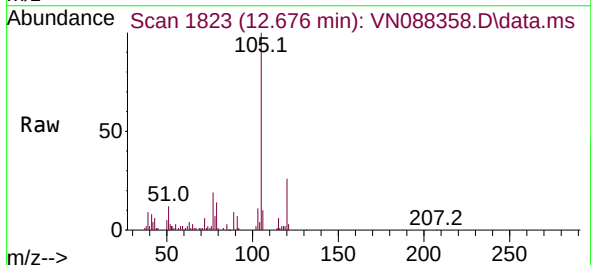
Manual Integrations
APPROVED

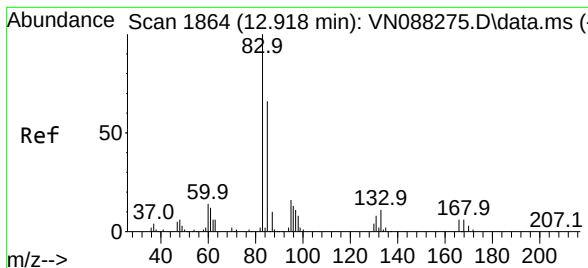
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#70
Isopropylbenzene
Concen: 4.884 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

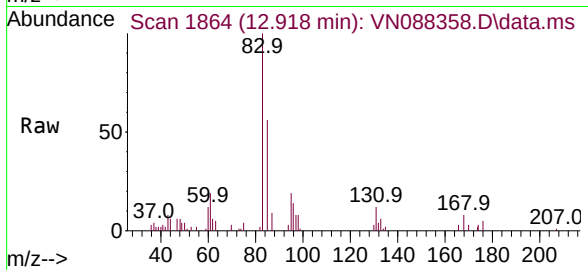
Tgt Ion:105 Resp: 71535
Ion Ratio Lower Upper
105 100
120 27.0 18.2 33.8





#71
1,1,2,2-Tetrachloroethane
Concen: 4.967 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

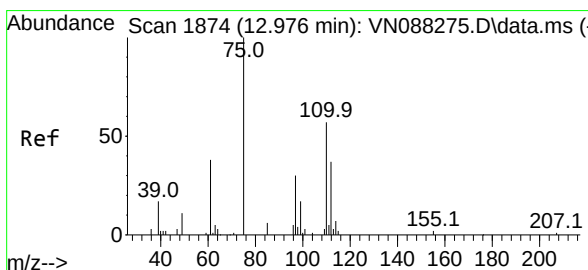
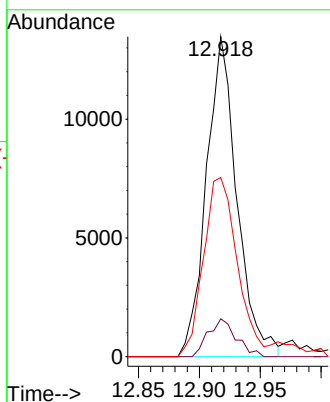
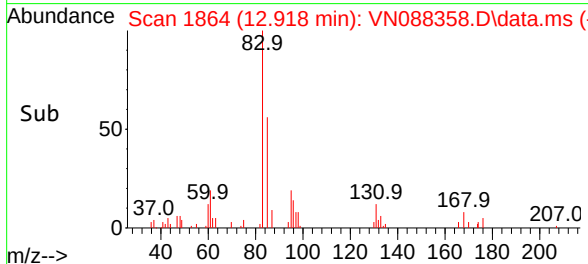
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



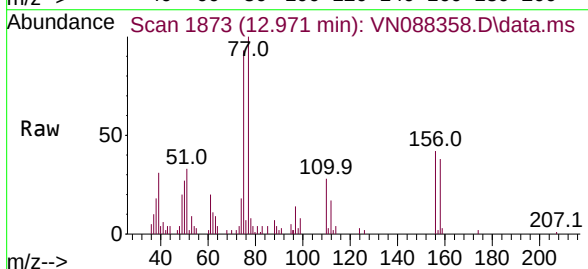
Tgt Ion: 83 Resp: 2356
Ion Ratio Lower Upper
83 100
131 10.8 4.3 12.9
85 61.4 32.4 97.2

Manual Integrations
APPROVED

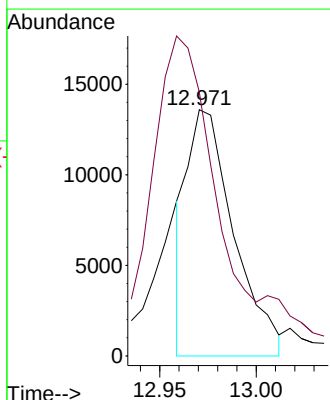
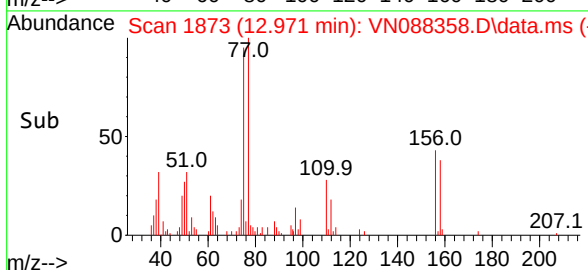
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

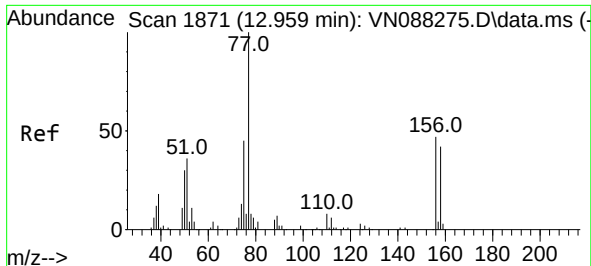


#72
1,2,3-Trichloropropane
Concen: 4.980 ug/l m
RT: 12.971 min Scan# 1873
Delta R.T. -0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25



Tgt Ion: 75 Resp: 22886
Ion Ratio Lower Upper
75 100
77 176.5 0.0 386.6





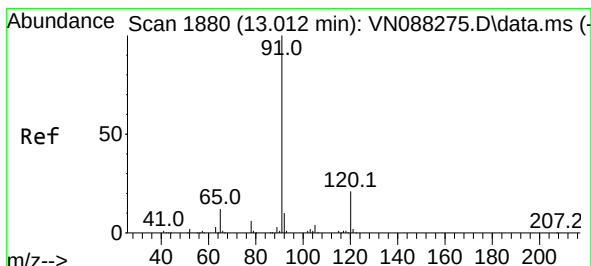
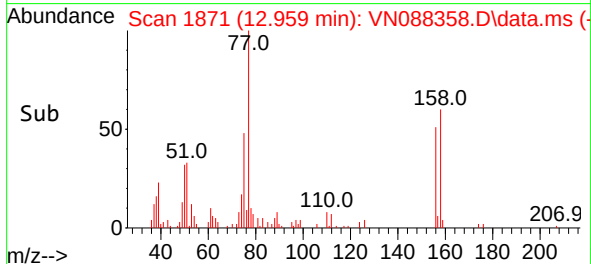
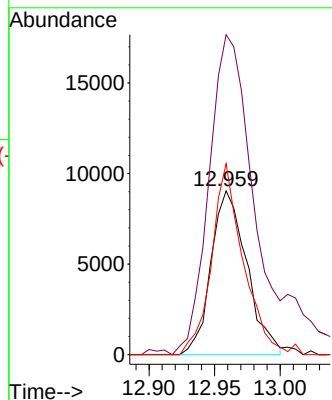
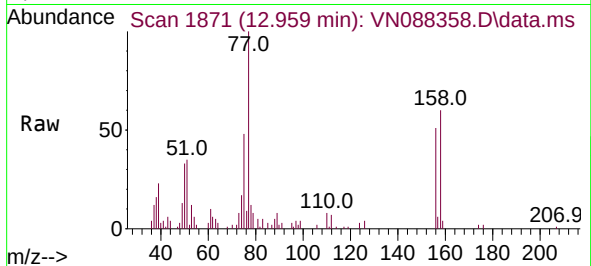
#73
Bromobenzene
Concen: 5.185 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion:156 Resp: 17143
Ion Ratio Lower Upper
156 100
77 235.6 0.0 493.4
158 103.0 0.0 193.4

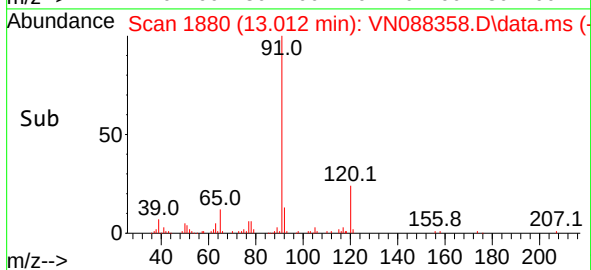
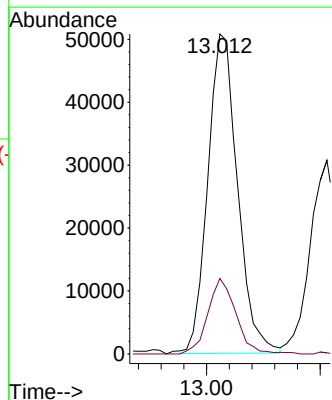
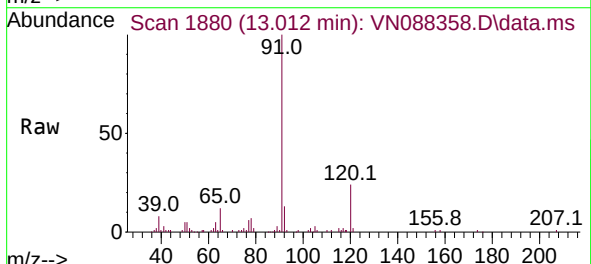
Manual Integrations
APPROVED

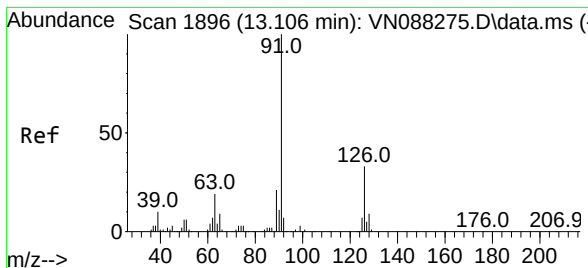
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#74
n-propylbenzene
Concen: 5.090 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion: 91 Resp: 92249
Ion Ratio Lower Upper
91 100
120 22.1 0.0 43.2





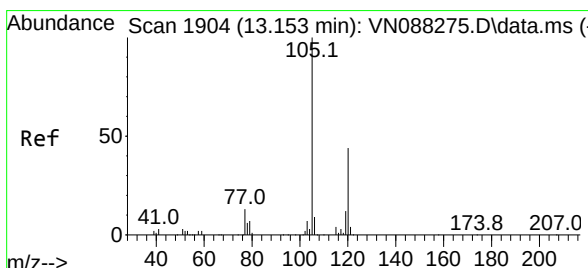
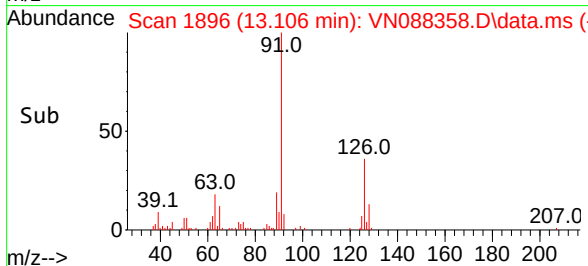
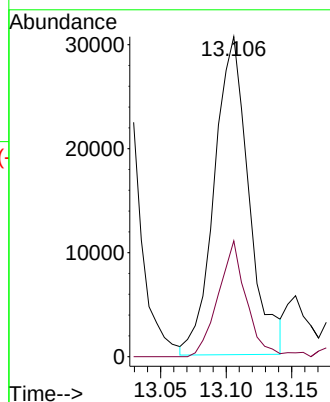
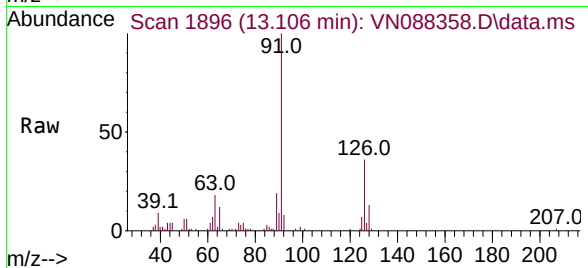
#75
2-Chlorotoluene
Concen: 5.091 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. -0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion: 91 Resp: 56112
Ion Ratio Lower Upper
91 100
126 29.3 0.0 62.0

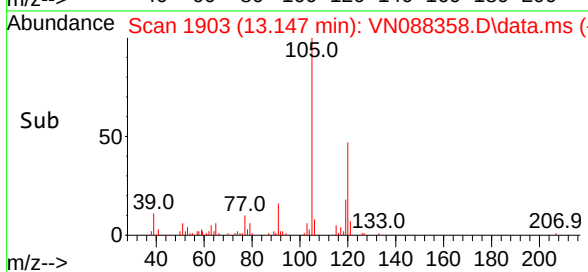
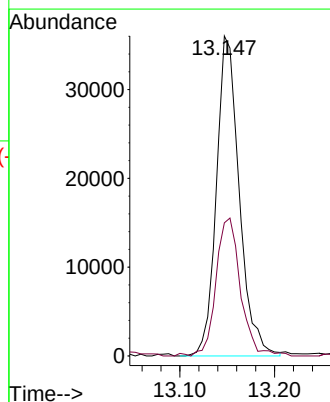
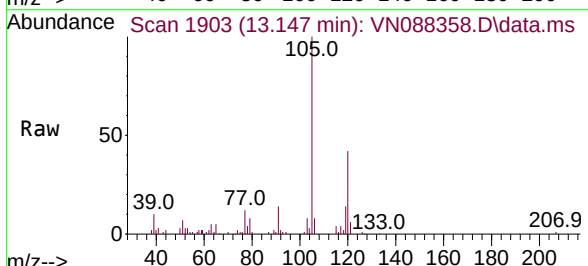
Manual Integrations
APPROVED

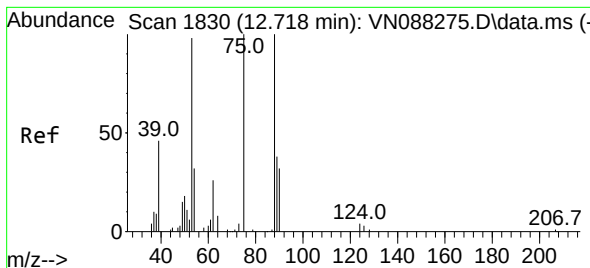
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#76
1,3,5-Trimethylbenzene
Concen: 4.919 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

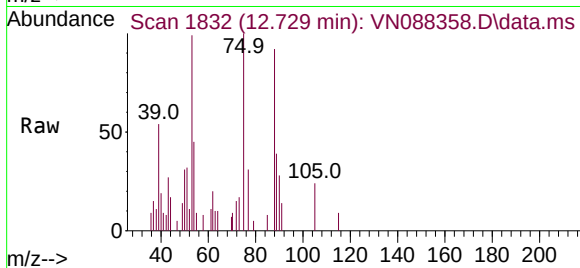
Tgt Ion:105 Resp: 60479
Ion Ratio Lower Upper
105 100
120 44.6 0.0 94.6





#77
t-1,4-Dichloro-2-butene
Concen: 3.497 ug/l
RT: 12.729 min Scan# 1830
Delta R.T. 0.012 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

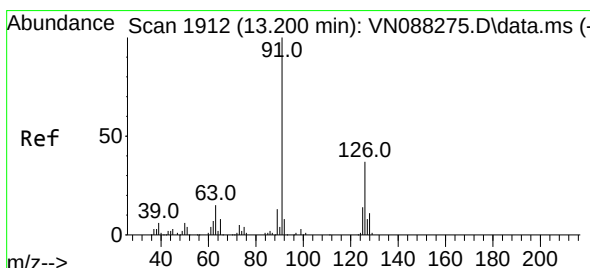
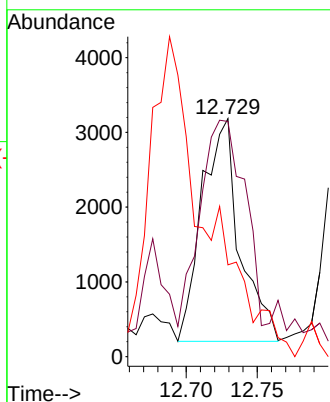
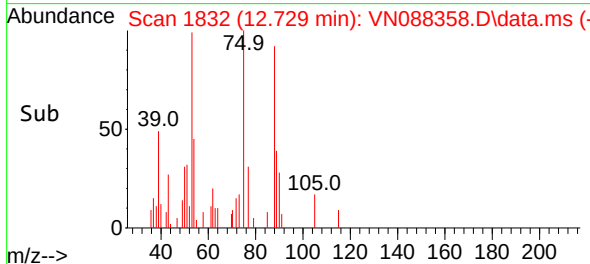
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2025



Tgt Ion: 75 Resp: 5519
Ion Ratio Lower Upper
75 100
53 92.0 50.0 150.0
89 32.7 22.3 66.9

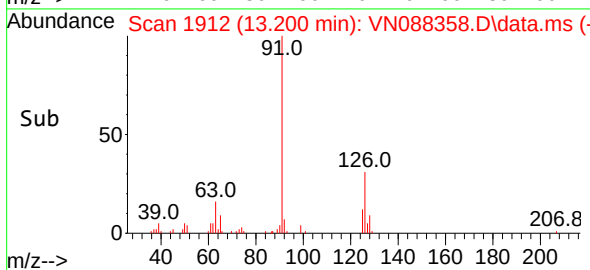
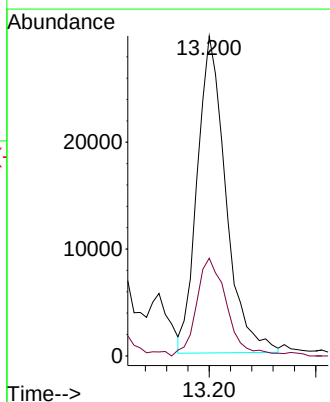
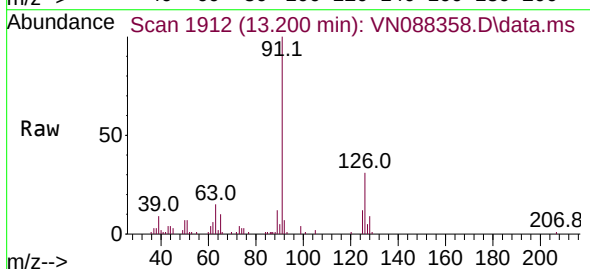
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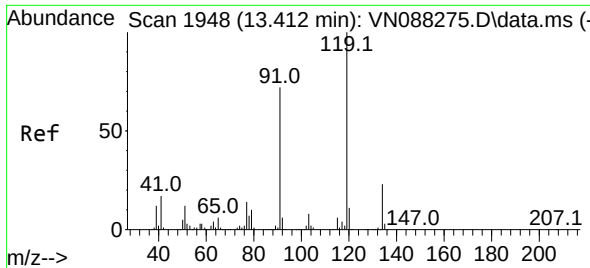
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#78
4-Chlorotoluene
Concen: 4.947 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion: 91 Resp: 55254
Ion Ratio Lower Upper
91 100
126 32.5 0.0 60.8





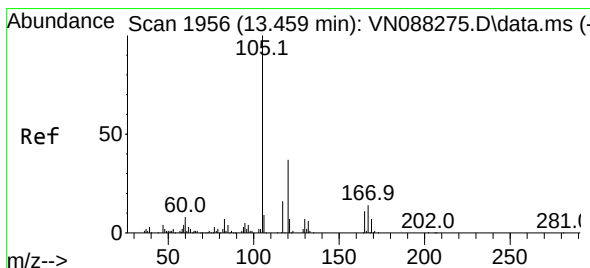
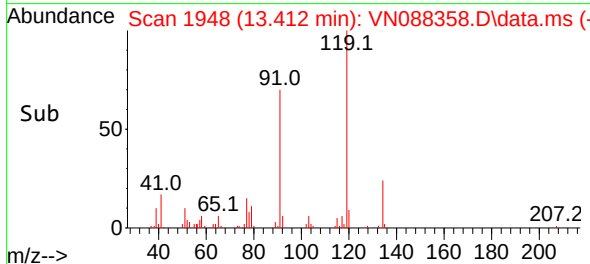
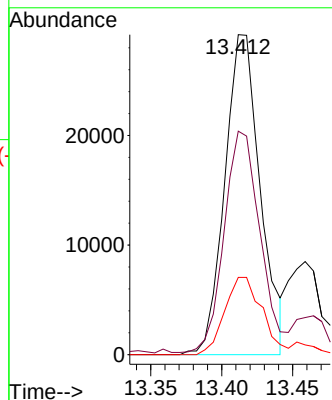
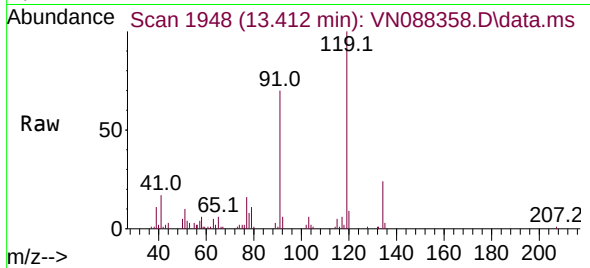
#79
tert-butylbenzene
Concen: 4.831 ug/l
RT: 13.412 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion:119 Resp: 50845
Ion Ratio Lower Upper
119 100
91 70.1 0.0 140.8
134 25.4 0.0 48.4

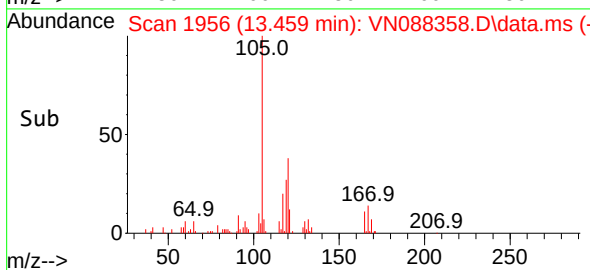
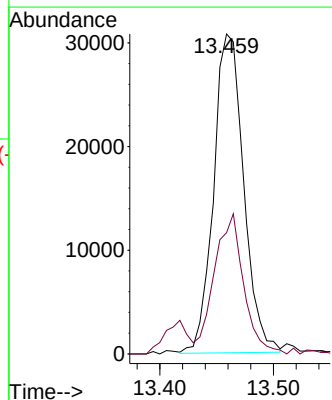
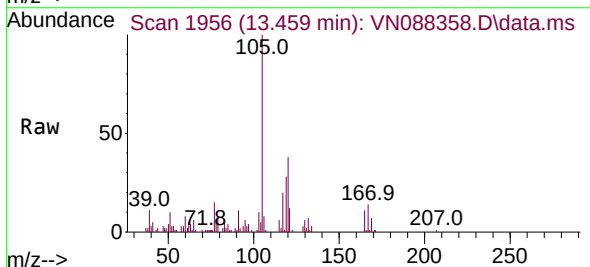
Manual Integrations
APPROVED

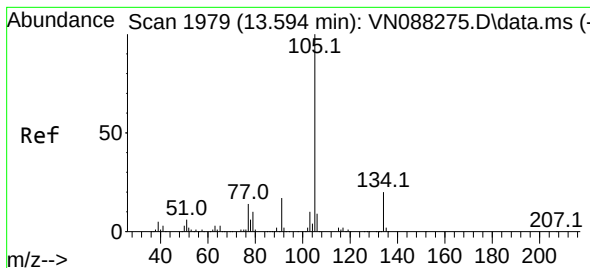
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#80
1,2,4-Trimethylbenzene
Concen: 4.626 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion:105 Resp: 56552
Ion Ratio Lower Upper
105 100
120 42.7 0.0 89.2





#81

sec-Butylbenzene

Concen: 4.937 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VN088358.D

Acq: 25 Nov 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

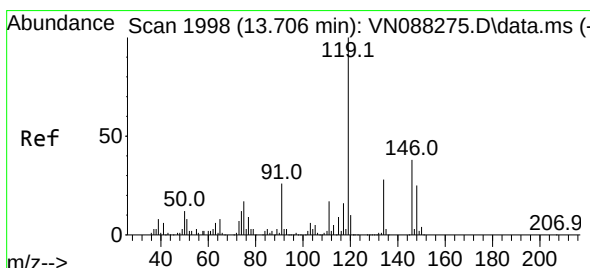
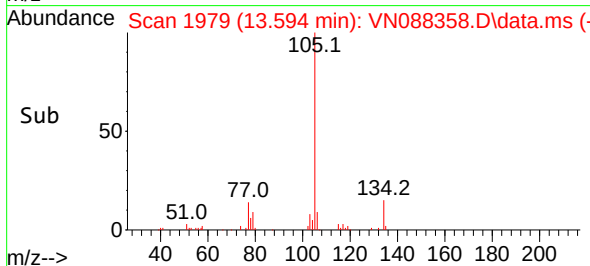
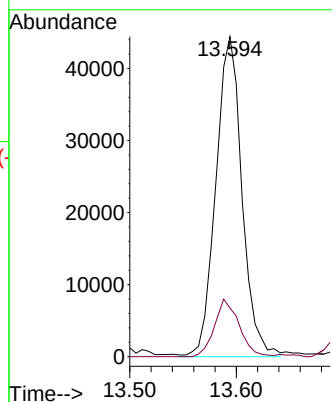
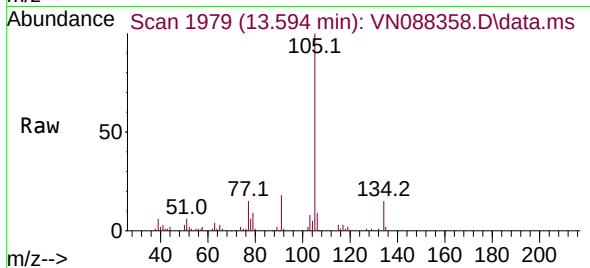
Tgt Ion:105 Resp: 75795
 Ion Ratio Lower Upper
 105 100
 134 17.0 0.0 38.4

Manual Integrations

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Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#82

p-Isopropyltoluene

Concen: 4.772 ug/l

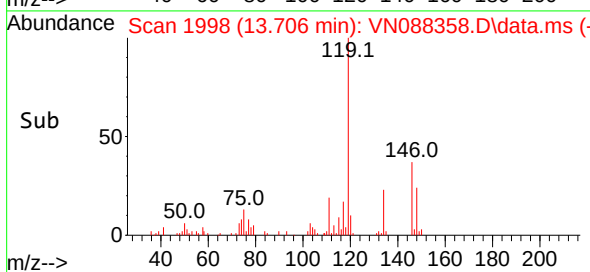
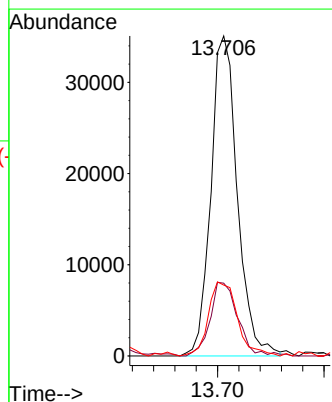
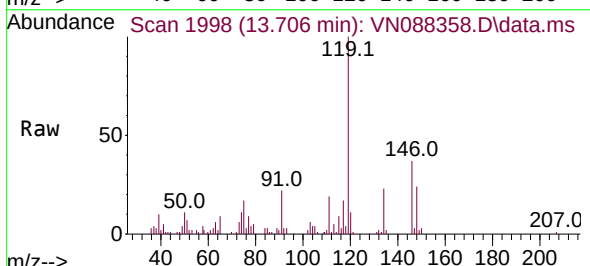
RT: 13.706 min Scan# 1998

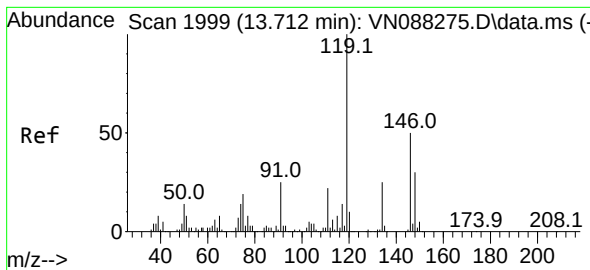
Delta R.T. 0.000 min

Lab File: VN088358.D

Acq: 25 Nov 2025 13:25

Tgt Ion:119 Resp: 60539
 Ion Ratio Lower Upper
 119 100
 134 23.6 0.0 51.2
 91 25.2 0.0 53.4





#83

1,3-Dichlorobenzene

Concen: 4.805 ug/l

RT: 13.712 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VN088358.D

Acq: 25 Nov 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

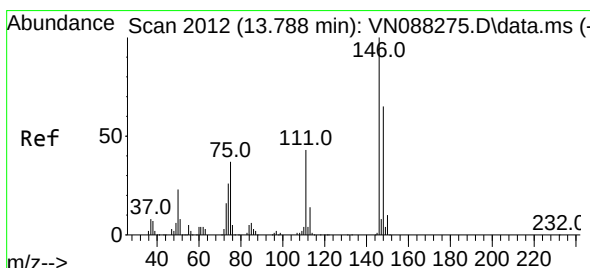
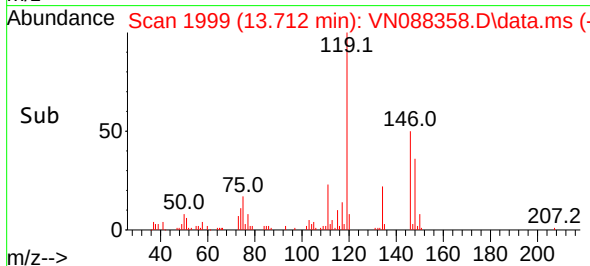
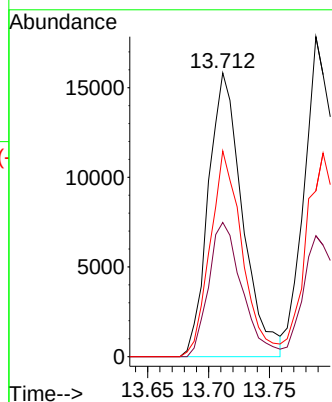
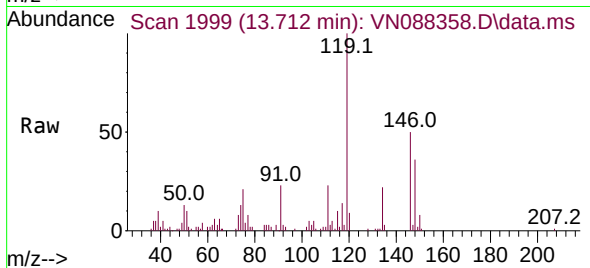
Tgt Ion:	146	Resp:	30866
Ion Ratio	Lower	Upper	
146	100		
111	46.3	22.1	66.5
148	68.5	31.4	94.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#84

1,4-Dichlorobenzene

Concen: 5.163 ug/l

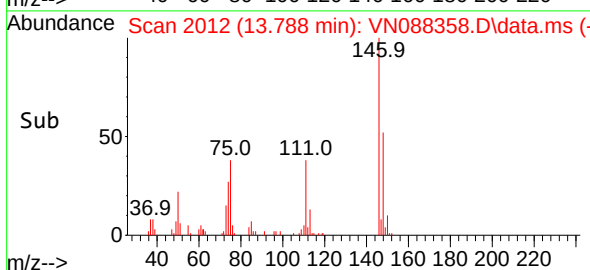
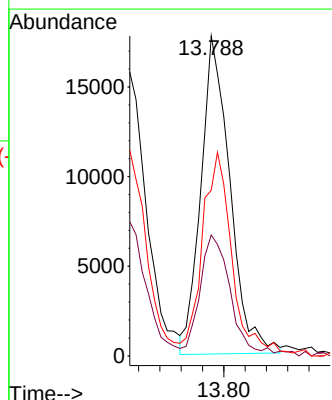
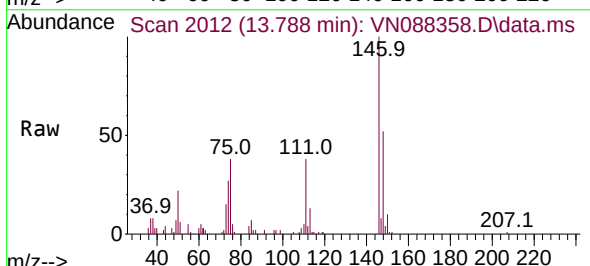
RT: 13.788 min Scan# 2012

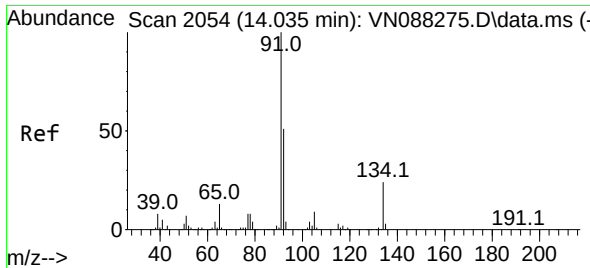
Delta R.T. 0.000 min

Lab File: VN088358.D

Acq: 25 Nov 2025 13:25

Tgt Ion:	146	Resp:	33588
Ion Ratio	Lower	Upper	
146	100		
111	39.2	21.8	65.3
148	64.3	31.9	95.5





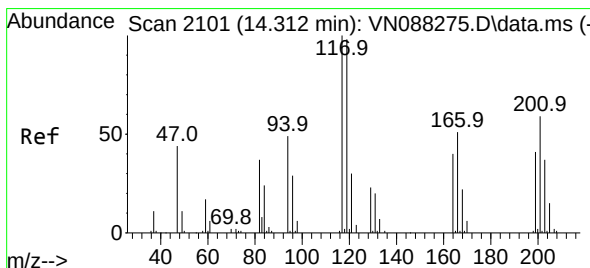
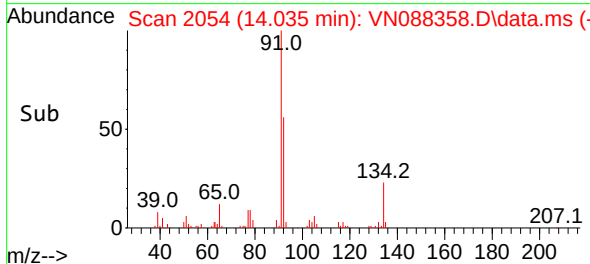
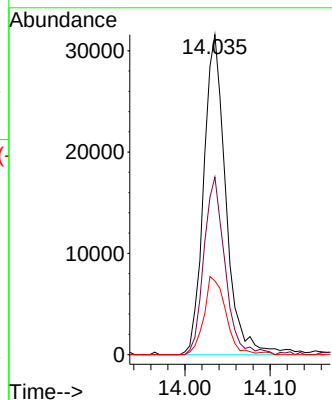
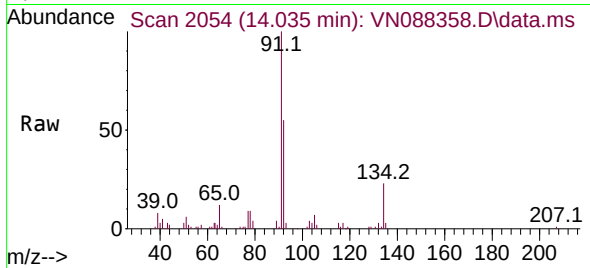
#85
n-Butylbenzene
Concen: 4.698 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. -0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion: 91 Resp: 5679
Ion Ratio Lower Upper
91 100
92 52.2 0.0 102.4
134 23.2 0.0 45.8

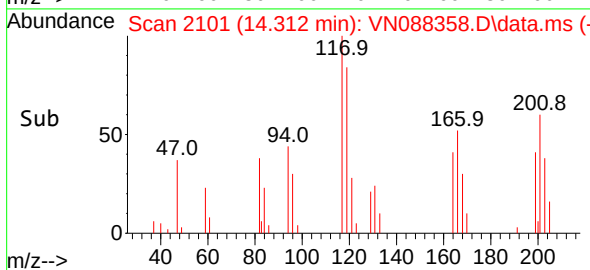
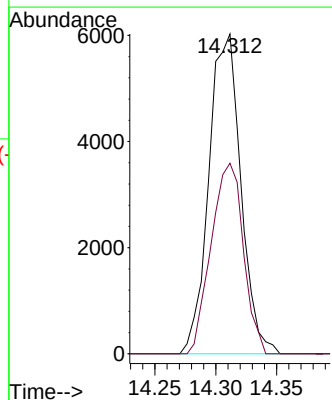
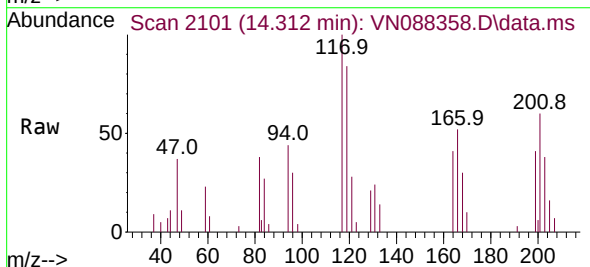
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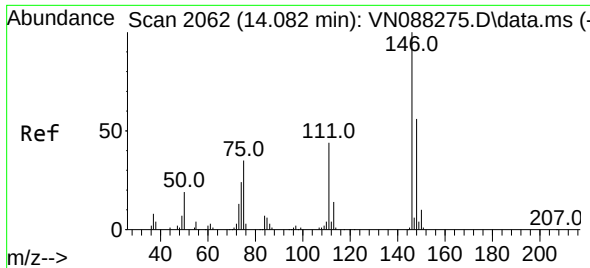
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#86
Hexachloroethane
Concen: 4.541 ug/l
RT: 14.312 min Scan# 2101
Delta R.T. -0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion:117 Resp: 11029
Ion Ratio Lower Upper
117 100
201 60.0 30.6 92.0





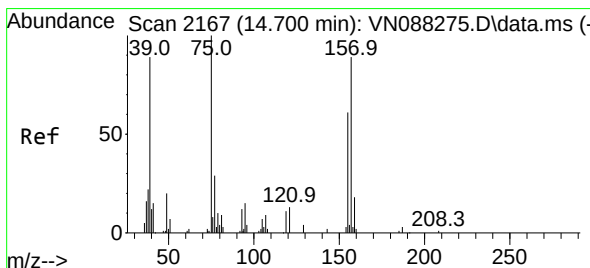
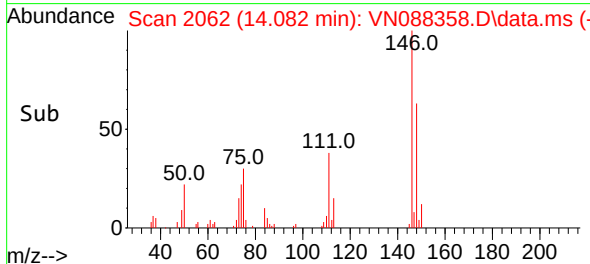
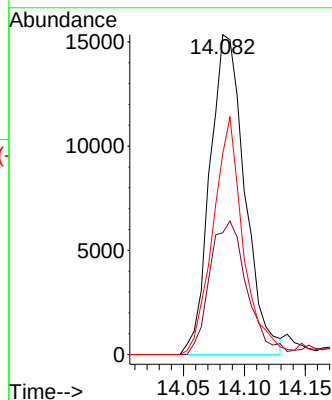
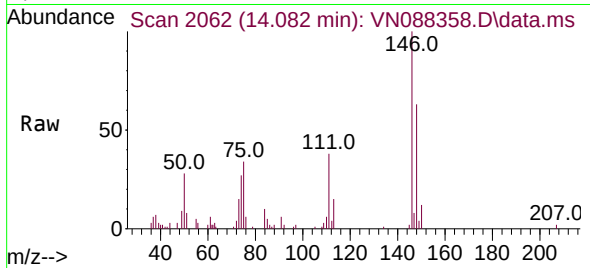
#87
1,2-Dichlorobenzene
Concen: 5.049 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

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

Tgt Ion:146 Resp: 30616
Ion Ratio Lower Upper
146 100
111 43.5 23.0 69.0
148 64.3 31.1 93.2

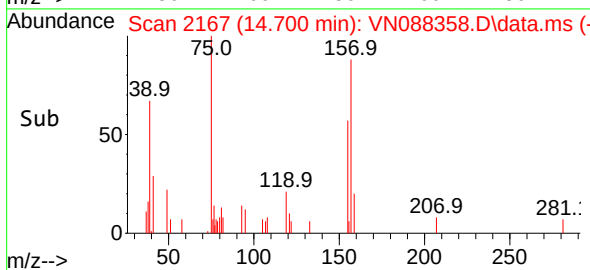
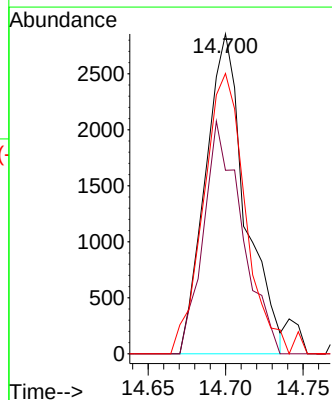
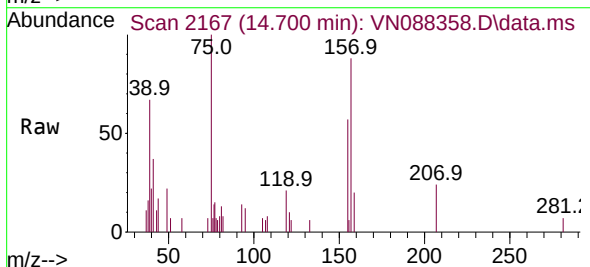
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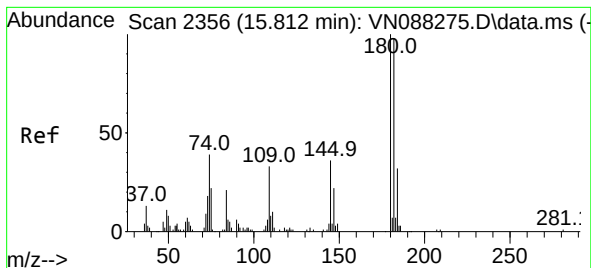
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 4.584 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. 0.000 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

Tgt Ion: 75 Resp: 5112
Ion Ratio Lower Upper
75 100
155 70.2 54.8 82.2
157 91.8 70.7 106.1





#89

1,2,4-Trichlorobenzene

Concen: 5.104 ug/l

RT: 15.806 min Scan# 2356

Delta R.T. -0.006 min

Lab File: VN088358.D

Acq: 25 Nov 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

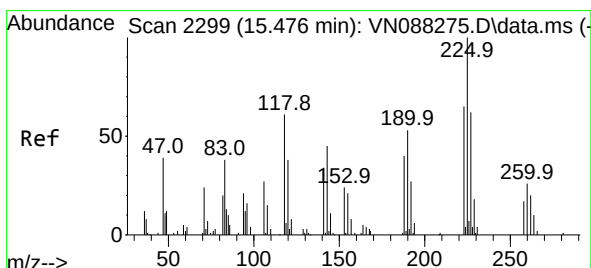
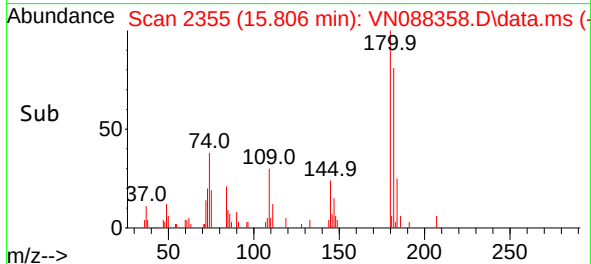
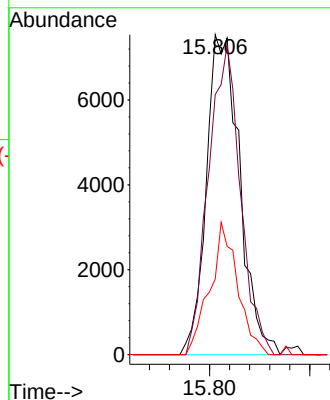
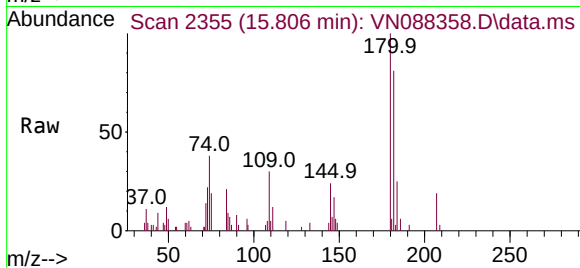
Tgt Ion:180	Resp:	17368
Ion Ratio	Lower	Upper
180	100	
182	92.6	77.3 115.9
145	34.6	30.2 45.4

Manual Integrations

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Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#90

Hexachlorobutadiene

Concen: 6.028 ug/l

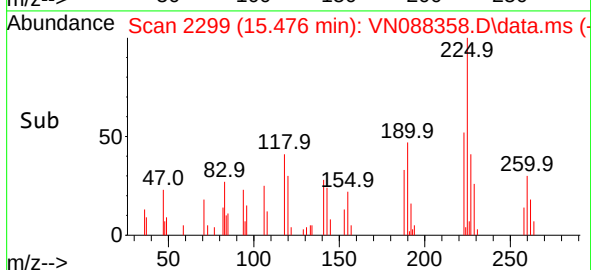
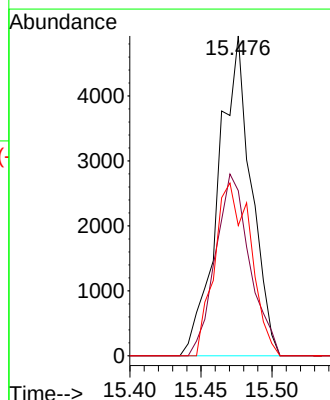
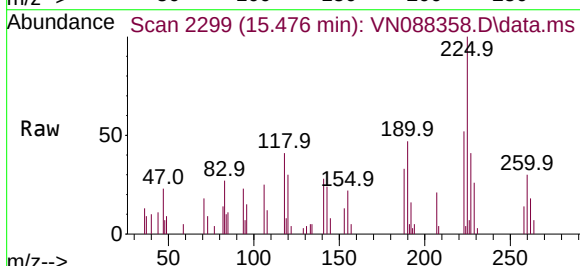
RT: 15.476 min Scan# 2299

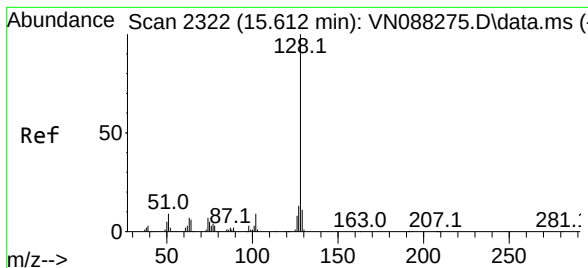
Delta R.T. -0.000 min

Lab File: VN088358.D

Acq: 25 Nov 2025 13:25

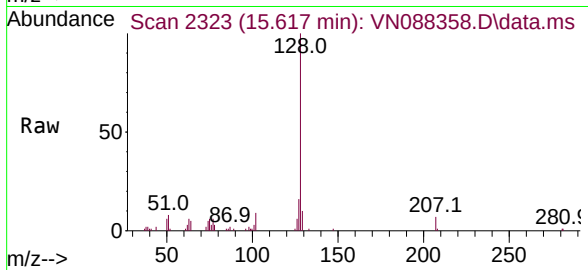
Tgt Ion:225	Resp:	7966
Ion Ratio	Lower	Upper
225	100	
223	59.0	0.0 132.0
227	59.3	0.0 132.6





#91
Naphthalene
Concen: 4.338 ug/l
RT: 15.617 min Scan# 2322
Delta R.T. 0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25

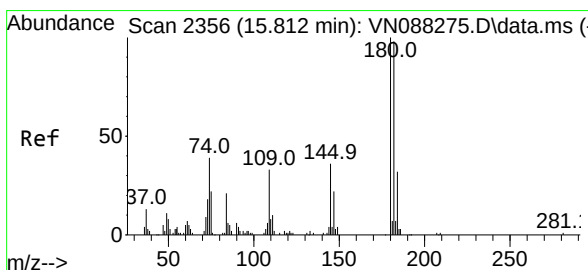
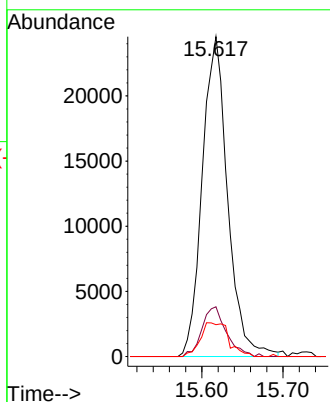
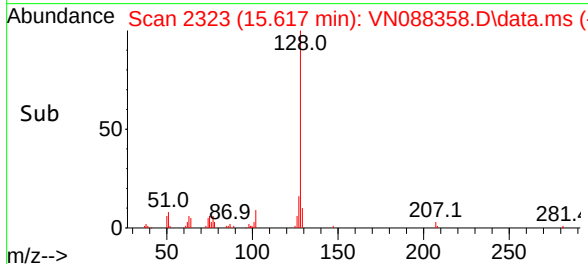
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



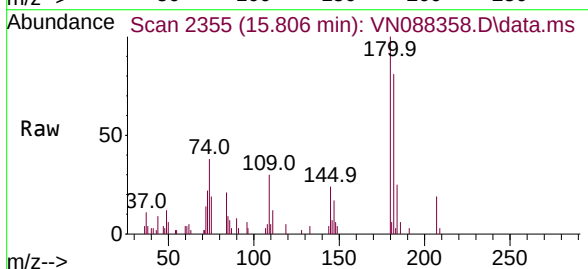
Tgt Ion:128 Resp: 53415
Ion Ratio Lower Upper
128 100
127 14.9 10.6 16.0
129 7.0 8.8 13.2

Manual Integrations
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Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#92
1,2,3-Trichlorobenzene
Concen: 5.104 ug/l
RT: 15.806 min Scan# 2355
Delta R.T. -0.006 min
Lab File: VN088358.D
Acq: 25 Nov 2025 13:25



Tgt Ion:180 Resp: 17368
Ion Ratio Lower Upper
180 100
182 92.6 0.0 193.2
145 34.6 0.0 75.6

