

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
 Data File : VN088357.D
 Acq On : 25 Nov 2025 13:04
 Operator : JC\MD
 Sample : Q3530-07 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Nov 26 00:34:40 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

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

Internal Standards						
1) Bromochloromethane	7.800	128	52303	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	280890	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	247701	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	138550	29.000	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.667%		
60) 4-Bromofluorobenzene	12.829	95	110347	26.353	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	87.833%		
63) Toluene-d8	10.547	98	354740	30.250	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.833%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	7950	2.162	ug/l	90
3) Chloromethane	2.383	50	11340	2.992	ug/l	95
4) Vinyl Chloride	2.536	62	10361	2.585	ug/l	93
5) Bromomethane	2.983	94	6440	3.013	ug/l	97
6) Chloroethane	3.142	64	6844	2.762	ug/l	94
7) Trichlorofluoromethane	3.518	101	15291	2.721	ug/l	94
8) Diethyl Ether	3.959	74	6098	2.903	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	8898m	3.018	ug/l	
10) 1,1-Dichloroethene	4.336	96	8476m	2.947	ug/l	
11) Methyl Iodide	4.583	142	7394m	2.416	ug/l	
12) Methyl Acetate	5.012	43	14511m	3.127	ug/l	
13) Acrolein	4.183	56	10807	15.831	ug/l #	71
14) Acrylonitrile	5.706	53	31606m	14.991	ug/l	
15) Acetone	4.424	58	6012m	9.751	ug/l	
16) Carbon Disulfide	4.706	76	28334	2.921	ug/l #	94
17) Allyl chloride	5.024	41	15415	2.758	ug/l	84
18) Methylene Chloride	5.277	84	11536m	3.227	ug/l	
19) trans-1,2-Dichloroethene	5.777	96	8733	2.608	ug/l #	89
20) Diisopropyl ether	6.659	45	30801	2.579	ug/l #	99
21) 1,1-Dichloroethane	6.553	63	18564	2.759	ug/l	97
22) cis-1,2-Dichloroethene	7.471	96	10279	2.641	ug/l	96
23) tert-Butyl Alcohol	5.512	59	10871m	14.022	ug/l	
24) Methyl tert-Butyl Ether	5.783	73	30607m	2.639	ug/l	
25) Chloroform	7.947	83	19040m	2.856	ug/l	
26) Cyclohexane	8.242	56	14649	2.578	ug/l #	95
29) 1,1-Dichloropropene	8.347	75	11730	2.503	ug/l	84
30) 2-Butanone	7.471	43	34312	11.318	ug/l #	96
31) 2,2-Dichloropropane	7.471	77	14984	2.592	ug/l #	73
32) 1,1,1-Trichloroethane	8.153	97	16068	2.781	ug/l #	79
33) Carbon Tetrachloride	8.342	117	13120	2.659	ug/l	93
34) Benzene	8.583	78	39915	2.849	ug/l #	60
35) Methacrylonitrile	7.765	41	8222	2.600	ug/l	95
36) 1,2-Dichloroethane	8.653	62	16051	2.944	ug/l	97
37) Trichloroethene	9.336	130	9702	3.056	ug/l	93
38) Methylcyclohexane	9.583	83	13202	2.457	ug/l	98
39) 1,2-Dichloropropane	9.600	63	9643	2.668	ug/l #	88
40) Dibromomethane	9.688	93	8022	3.089	ug/l	98
41) Bromodichloromethane	9.871	83	14117	2.700	ug/l	97
42) Vinyl Acetate	6.589	43	121362	11.994	ug/l	100

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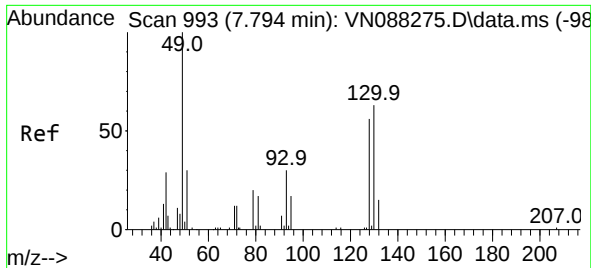
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	17071	2.799	ug/l	98
44) Isopropyl Acetate	8.671	43	25147	2.675	ug/l	100
45) 1,4-Dioxane	9.688	88	2534	44.762	ug/l #	67
46) Methyl methacrylate	9.665	41	10983	2.497	ug/l	94
47) n-amyl Acetate	12.694	43	8329m	1.748	ug/l	
48) t-1,3-Dichloropropene	10.818	75	13600	2.432	ug/l	99
49) cis-1,3-Dichloropropene	10.288	75	15330	2.635	ug/l #	84
50) 1,1,2-Trichloroethane	10.994	97	9393	2.925	ug/l	95
51) Ethyl methacrylate	10.853	69	10841	2.052	ug/l	91
52) 1,3-Dichloropropane	11.141	76	16147	2.761	ug/l	100
53) Dibromochloromethane	11.341	129	10374	2.813	ug/l	94
54) 1,2-Dibromoethane	11.453	107	9665	2.897	ug/l	86
55) 2-Chloroethyl vinyl ether	10.141	63	29011	9.533	ug/l	97
56) Bromoform	12.559	173	6262	2.682	ug/l #	91
58) 4-Methyl-2-Pentanone	10.424	43	74278	13.258	ug/l	100
59) 2-Hexanone	11.183	43	30369	8.163	ug/l	98
61) Tetrachloroethene	11.083	164	9014	3.530	ug/l	94
62) Toluene	10.612	91	41224	2.900	ug/l	100
64) Chlorobenzene	11.871	112	24114	2.739	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.935	131	8747	2.903	ug/l	94
66) Ethyl Benzene	11.941	91	39680	2.533	ug/l	95
67) m/p-Xylenes	12.047	106	28266	4.825	ug/l	96
68) o-Xylene	12.377	106	13283	2.403	ug/l	99
69) Styrene	12.394	104	21163	2.255	ug/l	95
70) Isopropylbenzene	12.677	105	32937	2.249	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.918	83	12153	2.562	ug/l	92
72) 1,2,3-Trichloropropane	12.977	75	12938m	2.815	ug/l	
73) Bromobenzene	12.959	156	8457	2.558	ug/l	96
74) n-propylbenzene	13.012	91	43303	2.389	ug/l	100
75) 2-Chlorotoluene	13.106	91	29745	2.699	ug/l	97
76) 1,3,5-Trimethylbenzene	13.147	105	27983	2.276	ug/l	100
77) t-1,4-Dichloro-2-butene	12.724	75	2745	1.739	ug/l	78
78) 4-Chlorotoluene	13.206	91	24034	2.152	ug/l	89
79) tert-butylbenzene	13.418	119	23860	2.267	ug/l	98
80) 1,2,4-Trimethylbenzene	13.465	105	25960	2.123	ug/l	95
81) sec-Butylbenzene	13.594	105	35198	2.293	ug/l	97
82) p-Isopropyltoluene	13.706	119	26651	2.101	ug/l	98
83) 1,3-Dichlorobenzene	13.718	146	16552	2.576	ug/l	98
84) 1,4-Dichlorobenzene	13.794	146	16236	2.495	ug/l	95
85) n-Butylbenzene	14.035	91	25140	2.079	ug/l	98
86) Hexachloroethane	14.312	117	5519	2.272	ug/l	94
87) 1,2-Dichlorobenzene	14.088	146	15009	2.475	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	3432m	3.078	ug/l	
89) 1,2,4-Trichlorobenzene	15.818	180	8611	2.530	ug/l	97
90) Hexachlorobutadiene	15.482	225	3496m	2.645	ug/l	
91) Naphthalene	15.618	128	26691	2.168	ug/l	97
92) 1,2,3-Trichlorobenzene	15.818	180	8611	2.530	ug/l	97

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



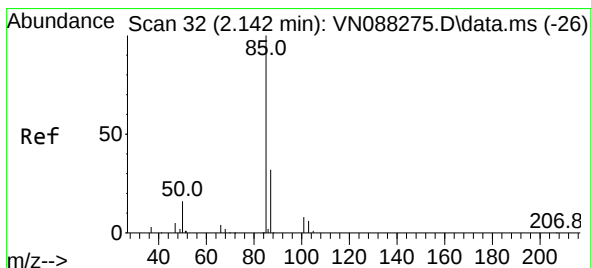
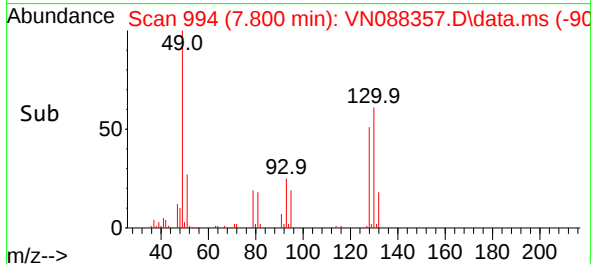
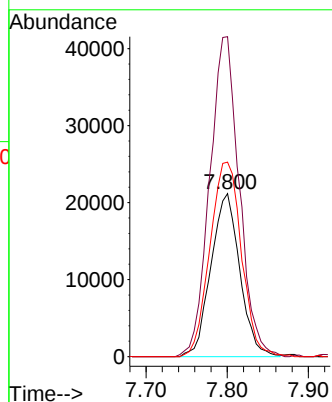
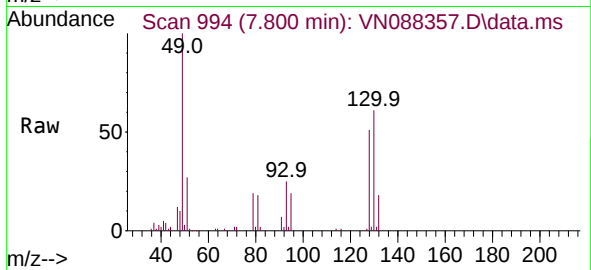
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

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

Tgt Ion:128 Resp: 52303
Ion Ratio Lower Upper
128 100
49 201.3 0.0 501.2
130 130.7 0.0 320.2

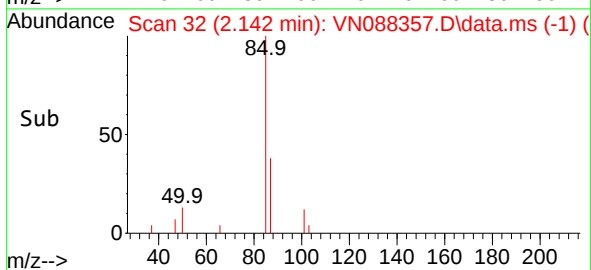
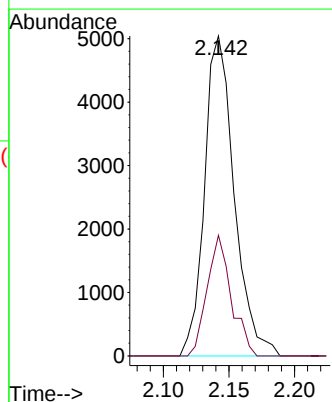
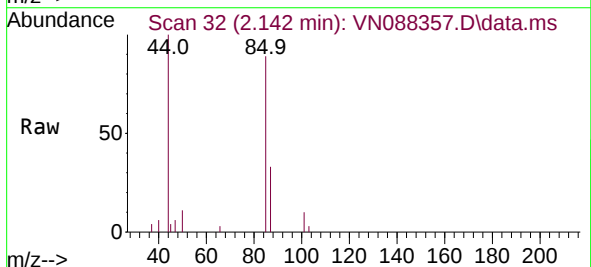
Manual Integrations
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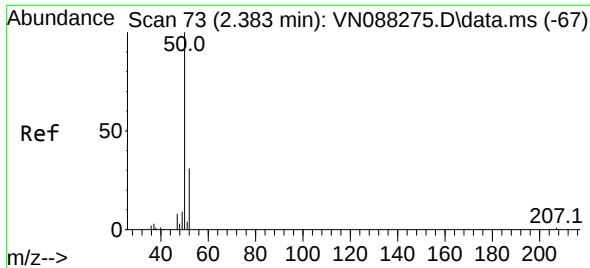
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#2
Dichlorodifluoromethane
Concen: 2.162 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

Tgt Ion: 85 Resp: 7950
Ion Ratio Lower Upper
85 100
87 37.7 16.0 48.0





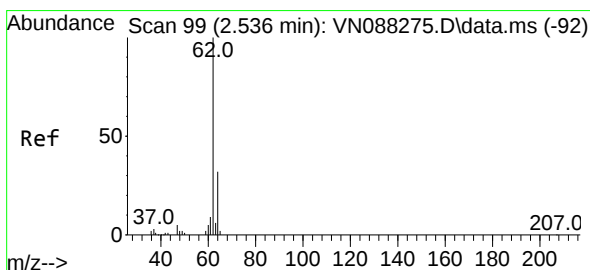
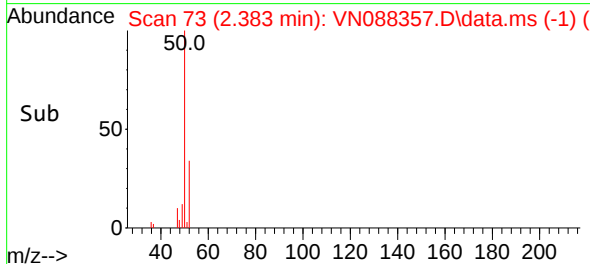
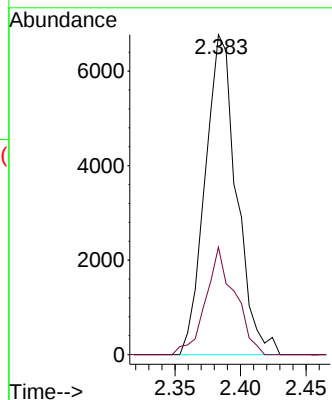
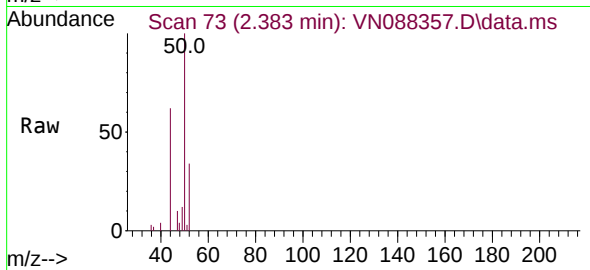
#3
Chloromethane
Concen: 2.992 ug/l
RT: 2.383 min Scan# 73
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

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

Tgt Ion: 50 Resp: 11340
Ion Ratio Lower Upper
50 100
52 33.6 24.6 36.8

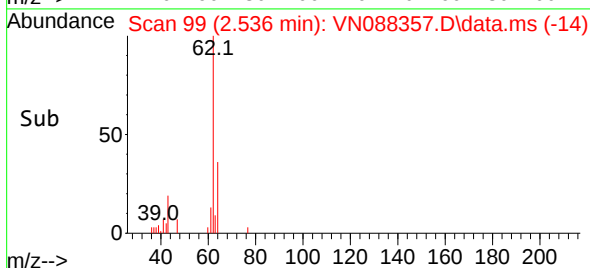
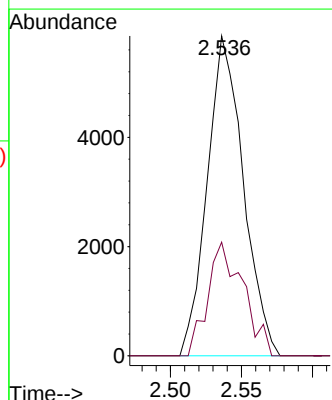
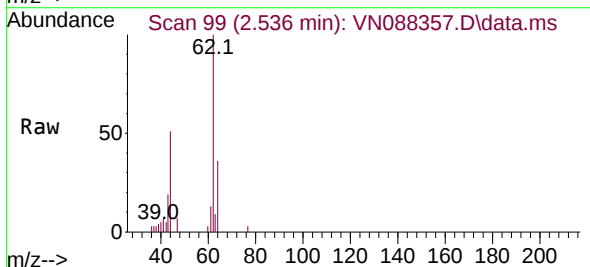
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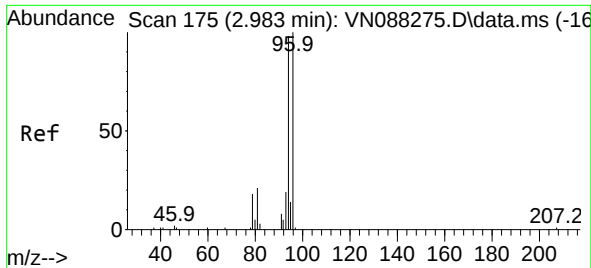
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#4
Vinyl Chloride
Concen: 2.585 ug/l
RT: 2.536 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

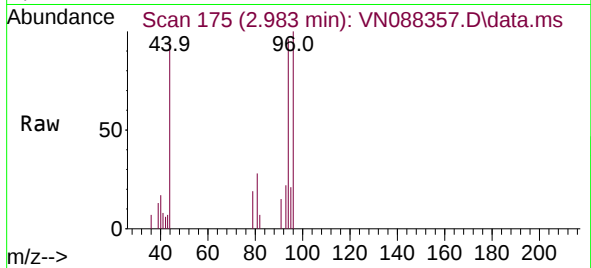
Tgt Ion: 62 Resp: 10361
Ion Ratio Lower Upper
62 100
64 35.5 25.4 38.2





#5
Bromomethane
Concen: 3.013 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

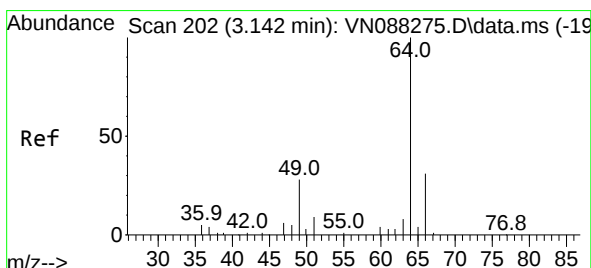
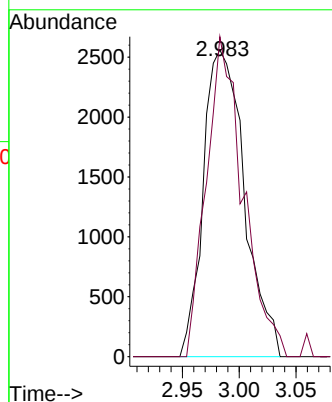
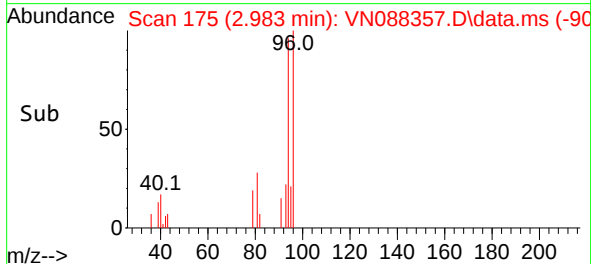
Instrument :
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ClientSampleId :
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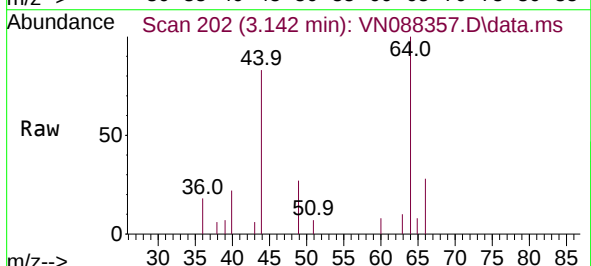
Tgt Ion: 94 Resp: 6440
Ion Ratio Lower Upper
94 100
96 104.3 81.3 121.9

Manual Integrations
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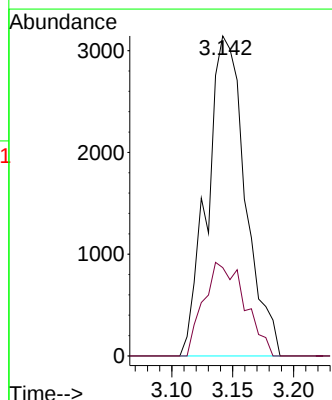
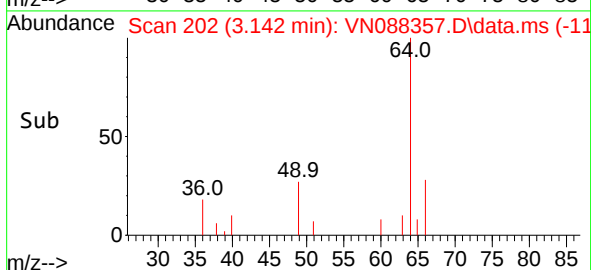
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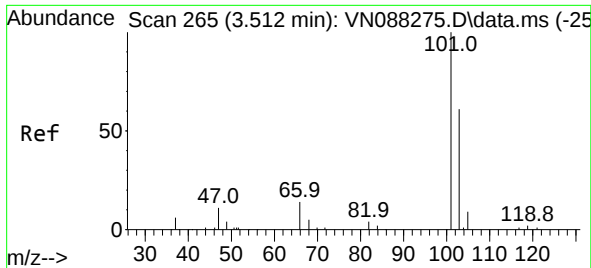


#6
Chloroethane
Concen: 2.762 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04



Tgt Ion: 64 Resp: 6844
Ion Ratio Lower Upper
64 100
66 27.6 24.7 37.1





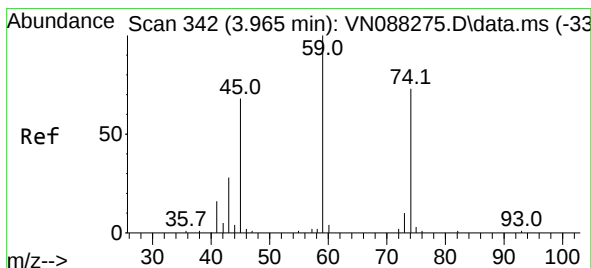
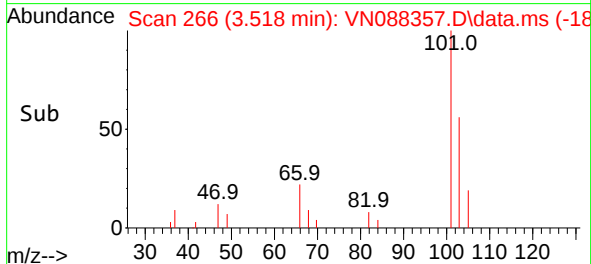
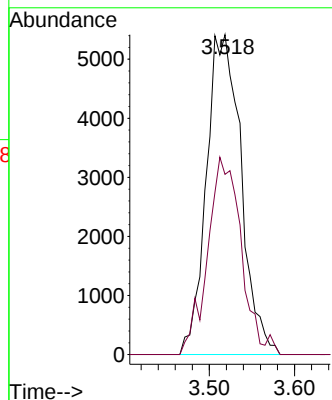
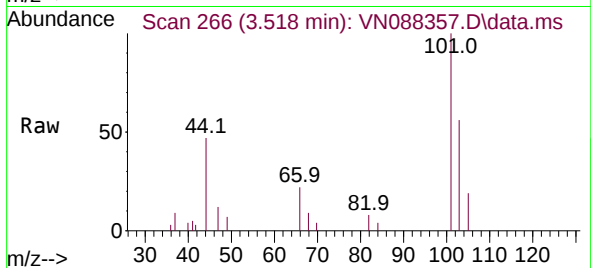
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 Trichlorofluoromethane
 Concen: 2.721 ug/l
 RT: 3.518 min Scan# 265
 Delta R.T. 0.006 min
 Lab File: VN088357.D
 Acq: 25 Nov 2025 13:04

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 LOD-MDL-WATER-01-QT4-2025

Tgt Ion:101 Resp: 1529
 Ion Ratio Lower Upper
 101 100
 103 56.3 48.6 73.0

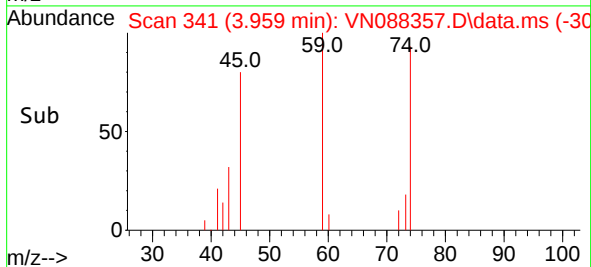
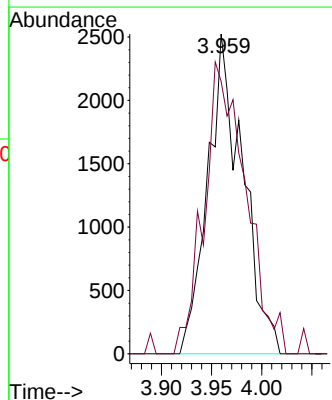
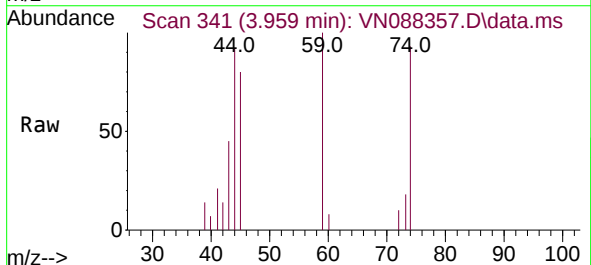
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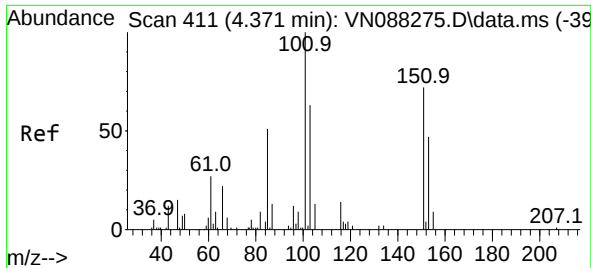
Reviewed By :John Carlone 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025



#8
 Diethyl Ether
 Concen: 2.903 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. -0.006 min
 Lab File: VN088357.D
 Acq: 25 Nov 2025 13:04

Tgt Ion: 74 Resp: 6098
 Ion Ratio Lower Upper
 74 100
 45 106.8 20.9 187.7





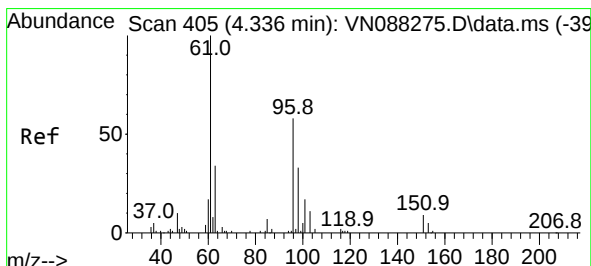
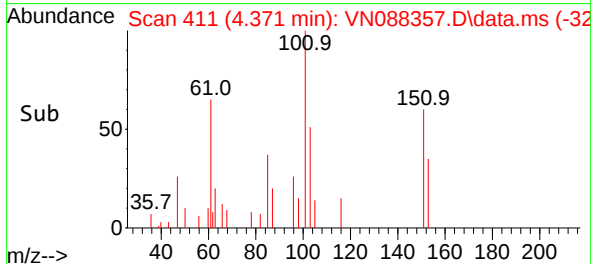
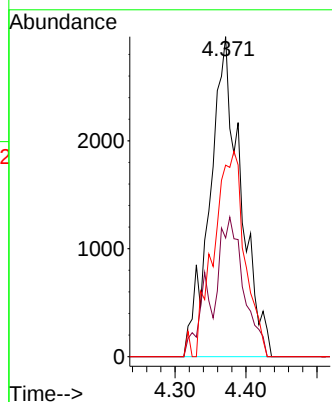
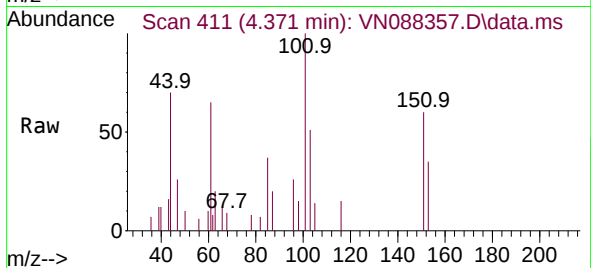
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1,1,2-Trichlorotrifluoroethane
Concen: 3.018 ug/l m
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

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

Tgt Ion:101 Resp: 8898
Ion Ratio Lower Upper
101 100
85 34.3 0.0 100.8
151 64.9 0.0 138.4

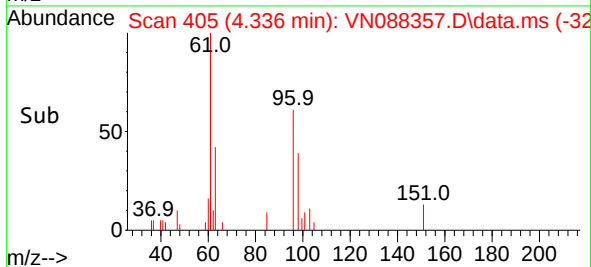
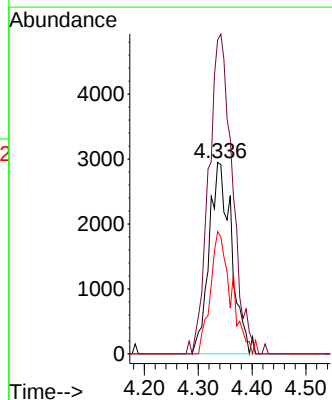
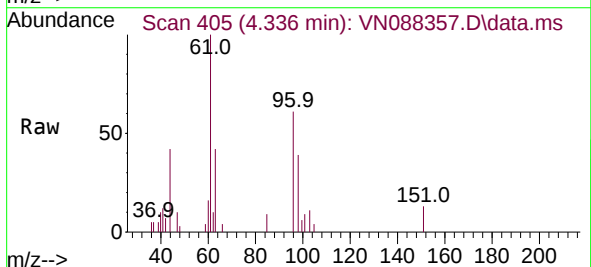
Manual Integrations
APPROVED

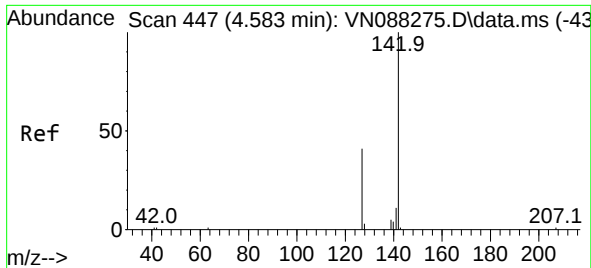
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#10
1,1-Dichloroethene
Concen: 2.947 ug/l m
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

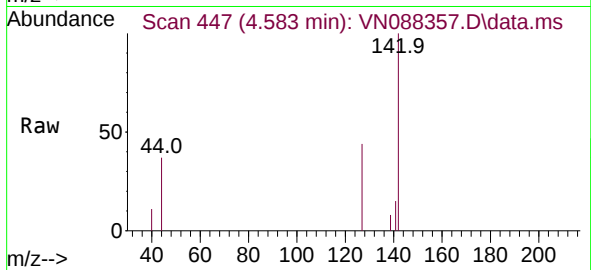
Tgt Ion: 96 Resp: 8476
Ion Ratio Lower Upper
96 100
61 164.0 137.8 206.8
98 63.8 45.6 68.4





#11
Methyl Iodide
Concen: 2.416 ug/l m
RT: 4.583 min Scan# 447
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

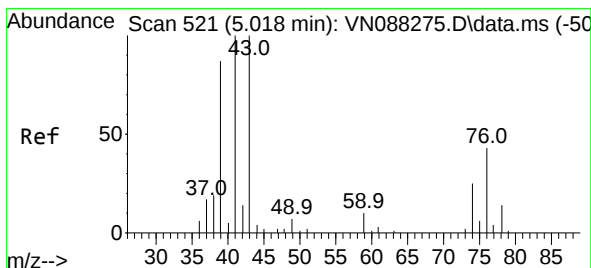
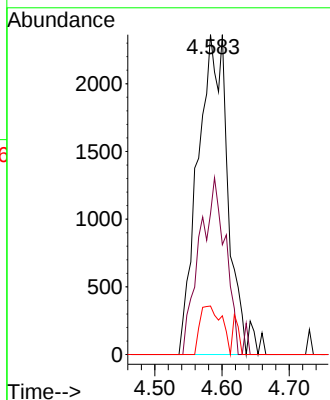
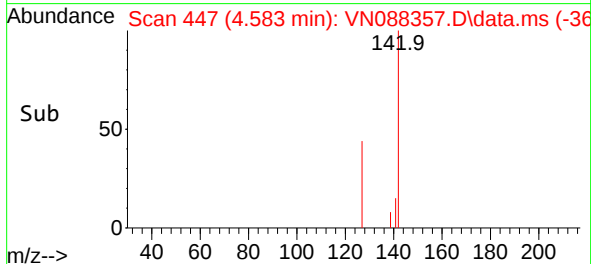
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion:142 Resp: 7394
Ion Ratio Lower Upper
142 100
127 44.1 20.4 61.2
141 15.2 5.6 16.8

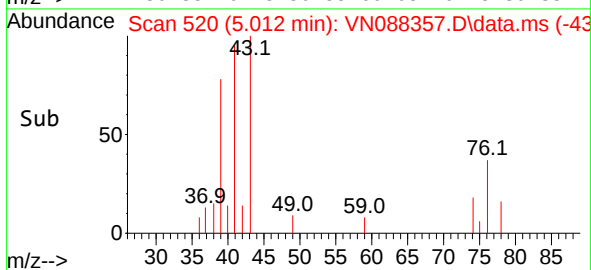
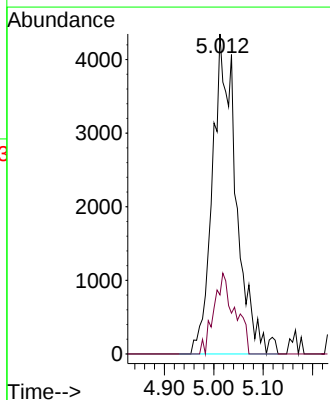
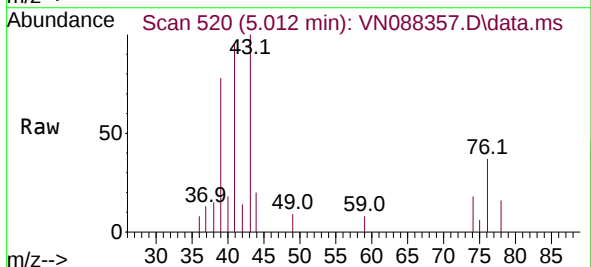
Manual Integrations
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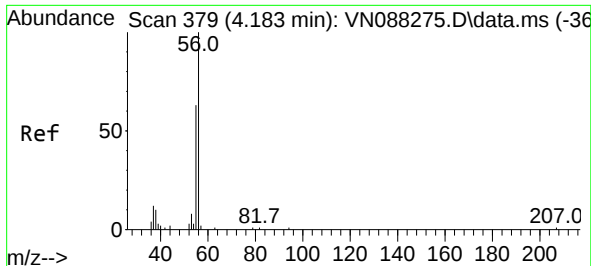
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#12
Methyl Acetate
Concen: 3.127 ug/l m
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

Tgt Ion: 43 Resp: 14511
Ion Ratio Lower Upper
43 100
74 18.4 19.8 29.8#





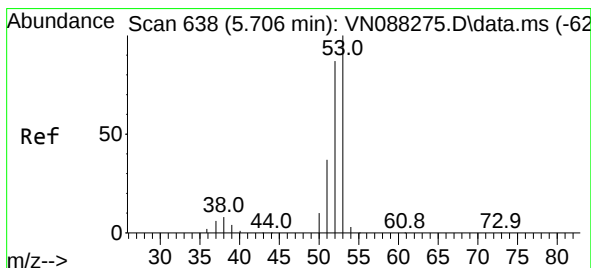
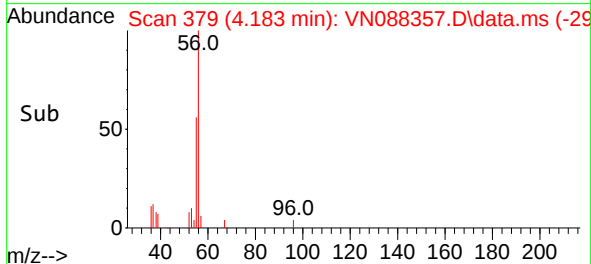
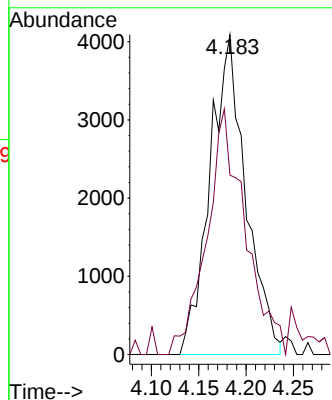
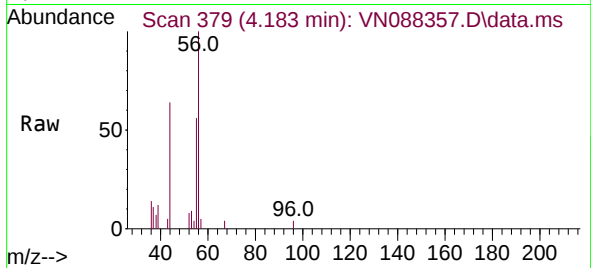
#13
Acrolein
Concen: 15.831 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

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

Tgt Ion: 56 Resp: 1080
Ion Ratio Lower Upper
56 100
55 47.9 57.9 86.9

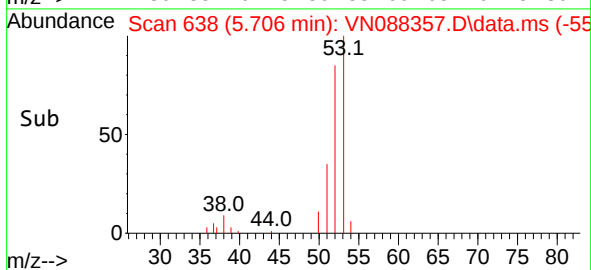
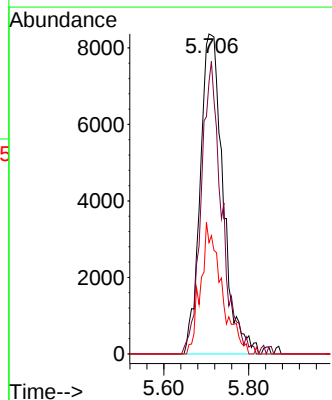
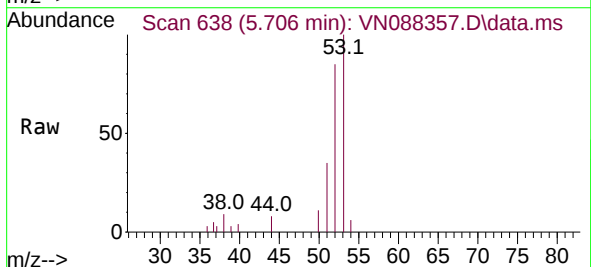
Manual Integrations
APPROVED

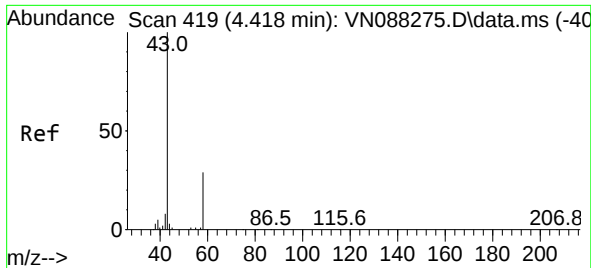
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#14
Acrylonitrile
Concen: 14.991 ug/l m
RT: 5.706 min Scan# 638
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

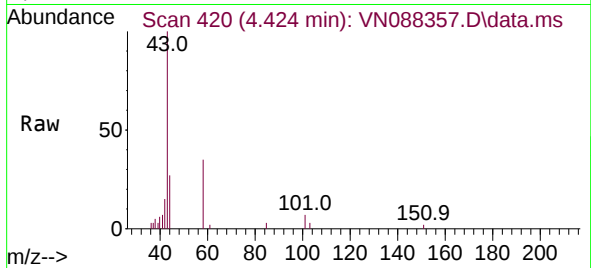
Tgt Ion: 53 Resp: 31606
Ion Ratio Lower Upper
53 100
52 66.8 42.3 126.9
51 32.3 18.4 55.2





#15
Acetone
Concen: 9.751 ug/l m
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

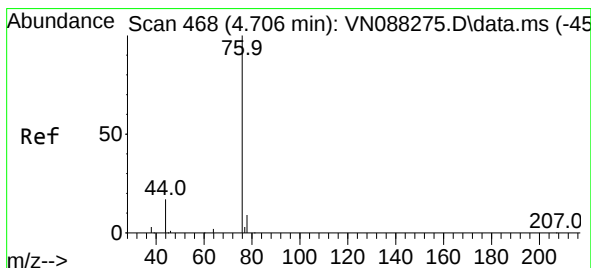
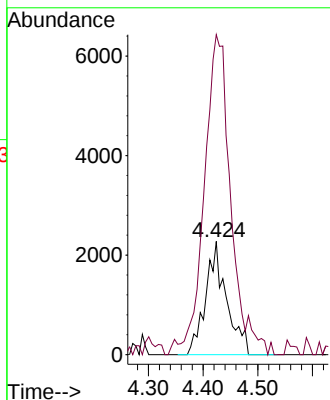
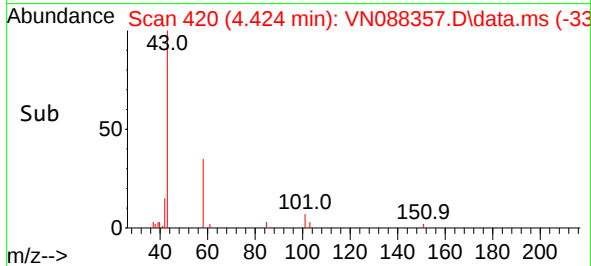
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 58 Resp: 6012
Ion Ratio Lower Upper
58 100
43 282.7 273.9 410.9

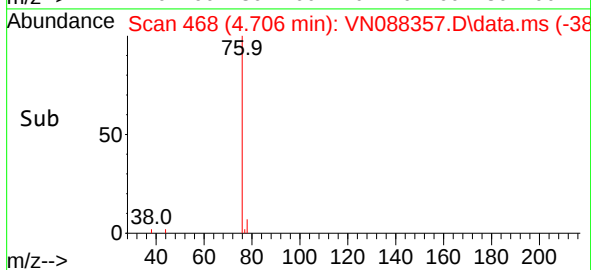
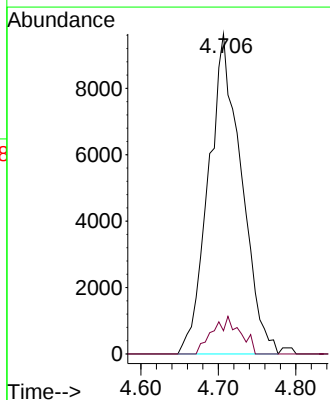
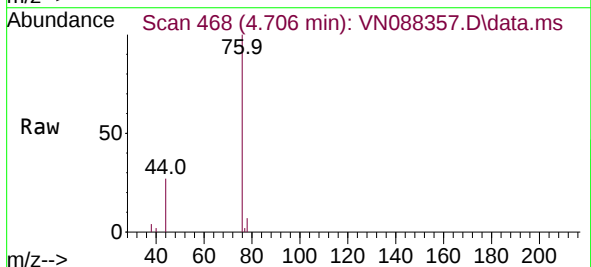
Manual Integrations
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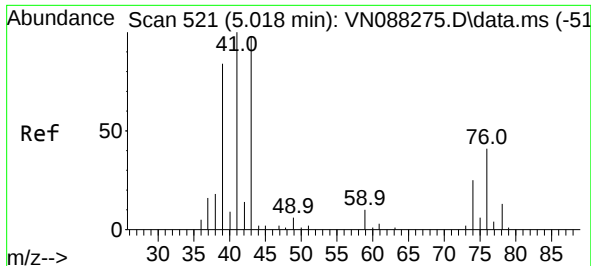
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#16
Carbon Disulfide
Concen: 2.921 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

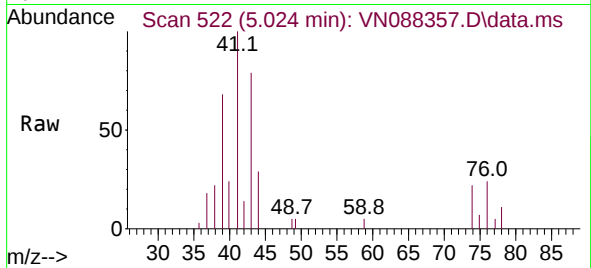
Tgt Ion: 76 Resp: 28334
Ion Ratio Lower Upper
76 100
78 7.2 7.5 11.3#





#17
 Allyl chloride
 Concen: 2.758 ug/l
 RT: 5.024 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN088357.D
 Acq: 25 Nov 2025 13:04

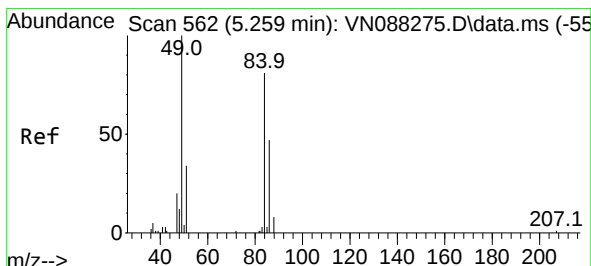
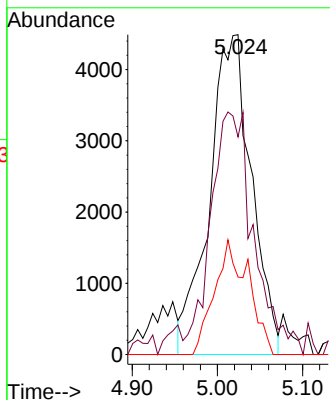
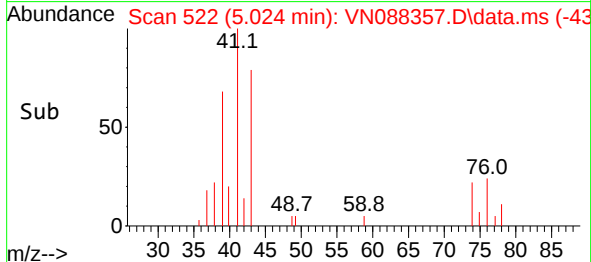
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025



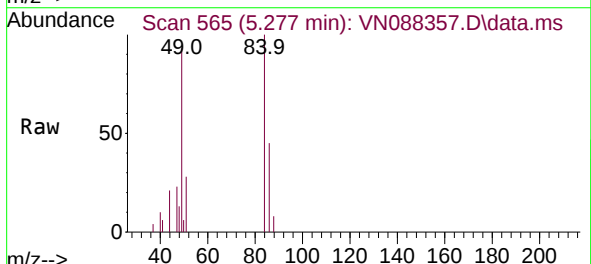
Tgt Ion: 41 Resp: 15415
 Ion Ratio Lower Upper
 41 100
 39 64.0 38.3 114.9
 76 25.7 18.5 55.5

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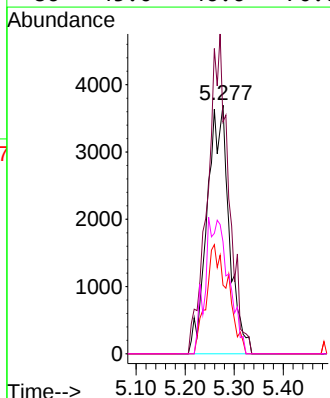
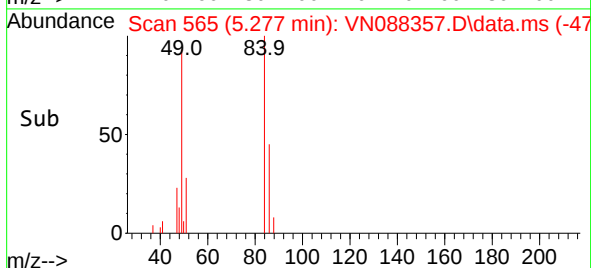
Reviewed By :John Carlone 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025

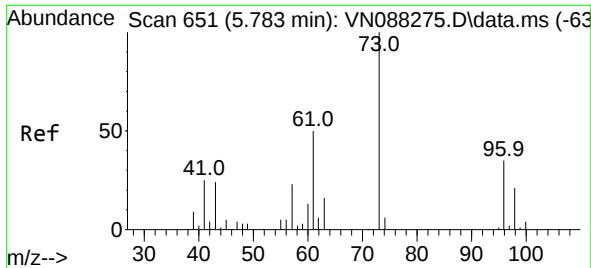


#18
 Methylene Chloride
 Concen: 3.227 ug/l m
 RT: 5.277 min Scan# 565
 Delta R.T. 0.018 min
 Lab File: VN088357.D
 Acq: 25 Nov 2025 13:04



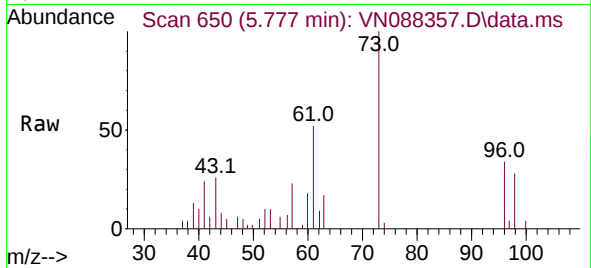
Tgt Ion: 84 Resp: 11536
 Ion Ratio Lower Upper
 84 100
 49 93.2 98.7 148.1#
 51 27.6 33.7 50.5#
 86 45.0 46.6 70.0#





#19
trans-1,2-Dichloroethene
Concen: 2.608 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

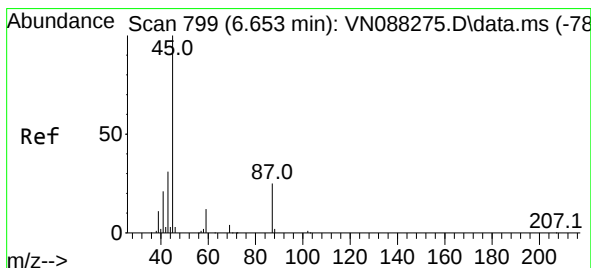
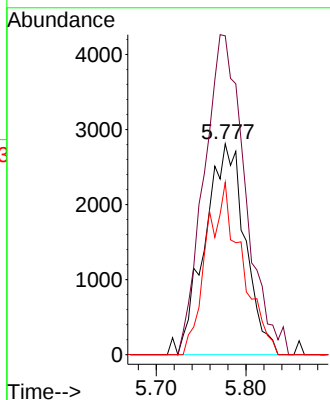
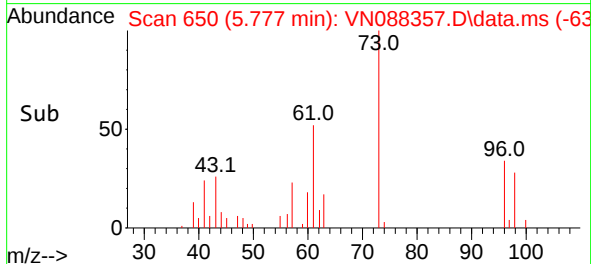
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



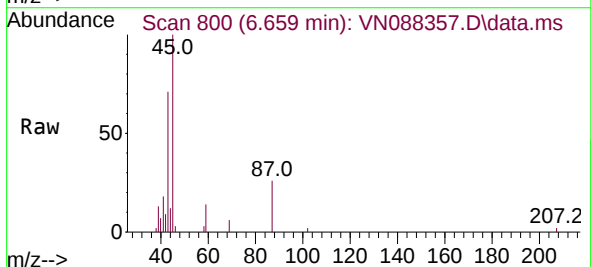
Tgt Ion: 96 Resp: 8733
Ion Ratio Lower Upper
96 100
61 151.3 117.0 175.4
98 81.7 48.6 72.8

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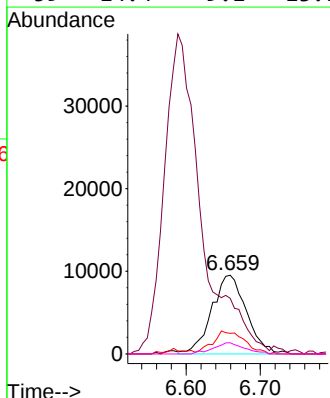
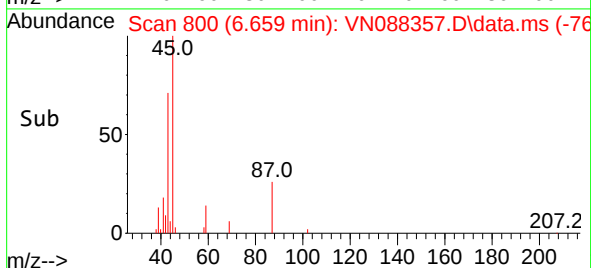
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

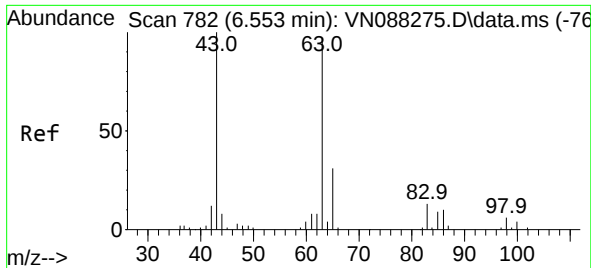


#20
Diisopropyl ether
Concen: 2.579 ug/l
RT: 6.659 min Scan# 800
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04



Tgt Ion: 45 Resp: 30801
Ion Ratio Lower Upper
45 100
43 64.9 51.9 77.9
87 26.6 21.1 31.7
59 14.4 9.1 13.7





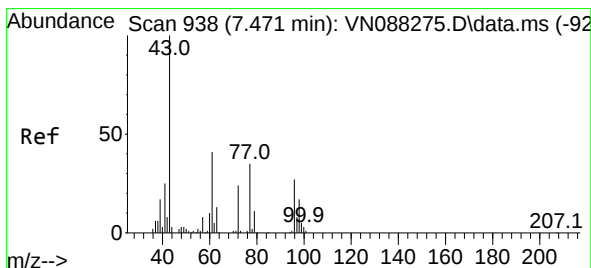
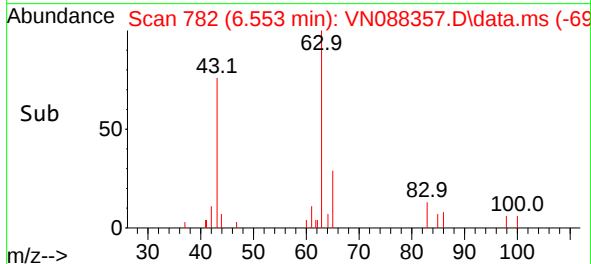
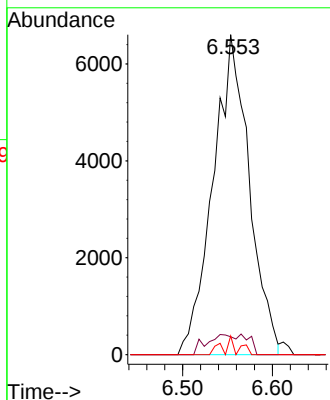
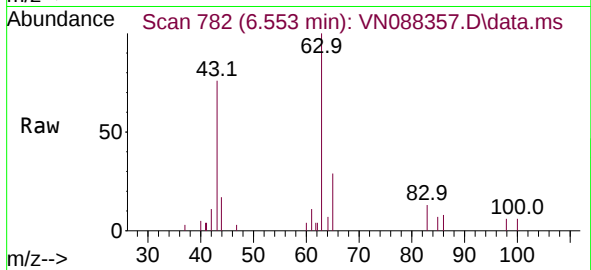
#21
1,1-Dichloroethane
Concen: 2.759 ug/l
RT: 6.553 min Scan# 782
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

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

Tgt Ion: 63 Resp: 18564
Ion Ratio Lower Upper
63 100
98 5.6 3.0 9.0
100 5.8 2.1 6.3

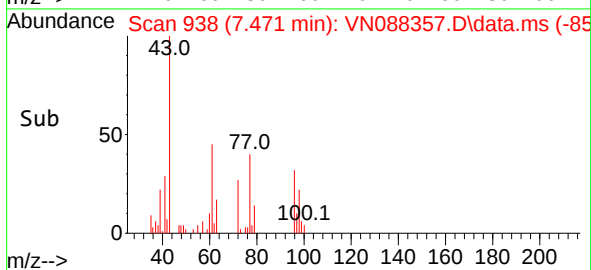
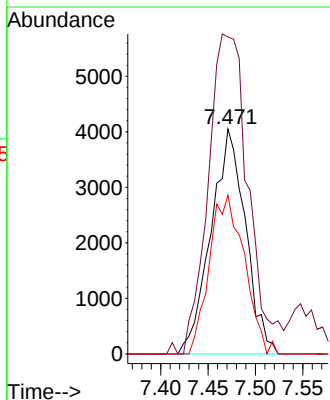
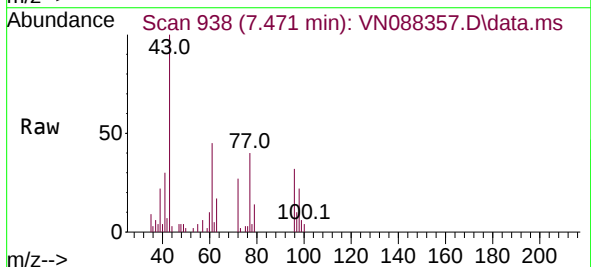
Manual Integrations
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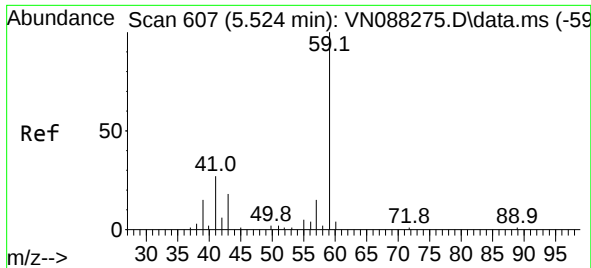
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#22
cis-1,2-Dichloroethene
Concen: 2.641 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

Tgt Ion: 96 Resp: 10279
Ion Ratio Lower Upper
96 100
61 161.8 131.2 196.8
98 70.7 51.0 76.4





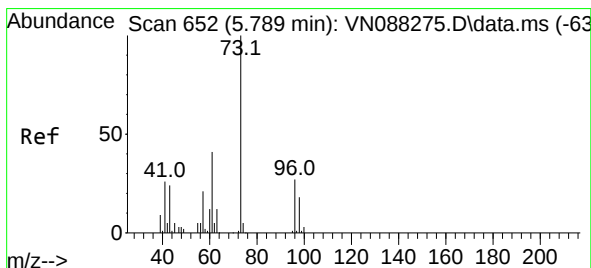
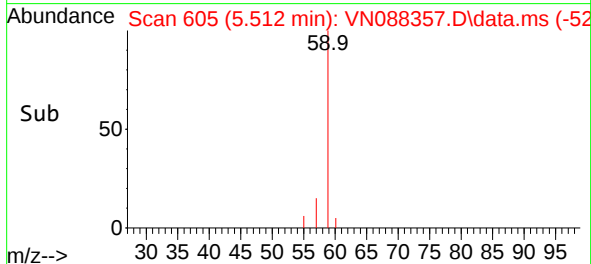
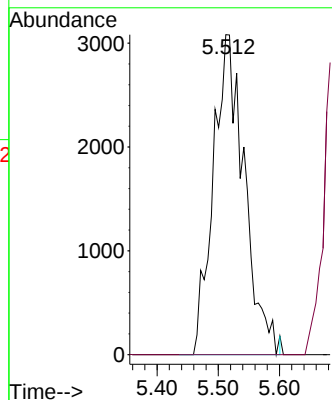
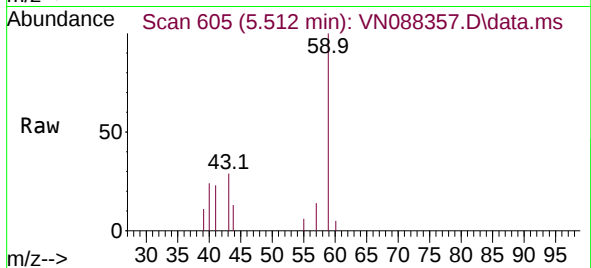
#23
tert-Butyl Alcohol
Concen: 14.022 ug/l m
RT: 5.512 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

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

Tgt Ion: 59 Resp: 1087
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

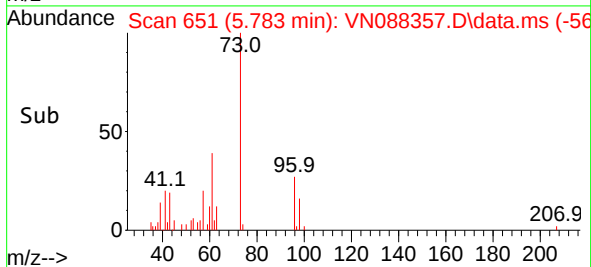
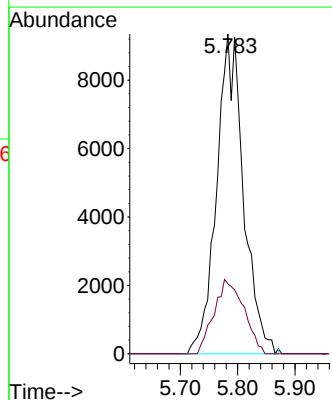
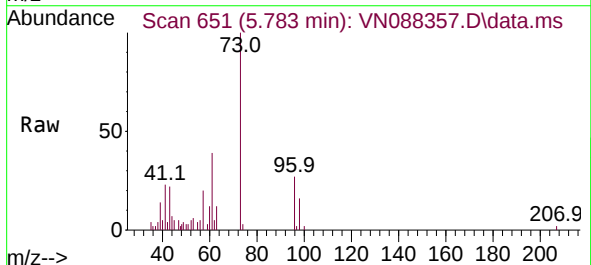
Manual Integrations
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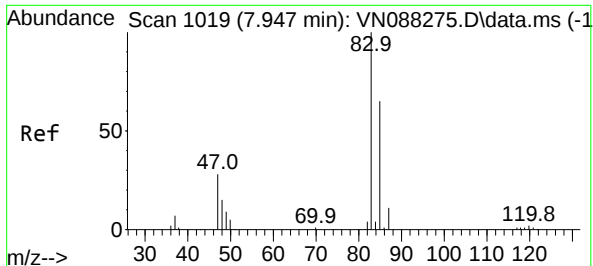
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#24
Methyl tert-Butyl Ether
Concen: 2.639 ug/l m
RT: 5.783 min Scan# 651
Delta R.T. -0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

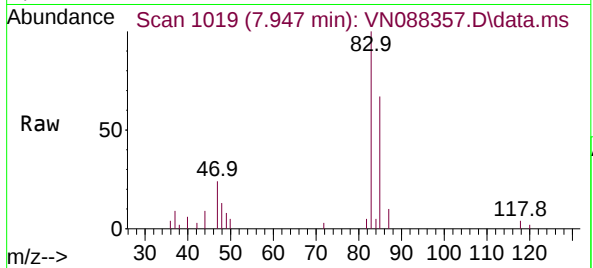
Tgt Ion: 73 Resp: 30607
Ion Ratio Lower Upper
73 100
43 25.6 18.5 27.7





#25
Chloroform
Concen: 2.856 ug/l m
RT: 7.947 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

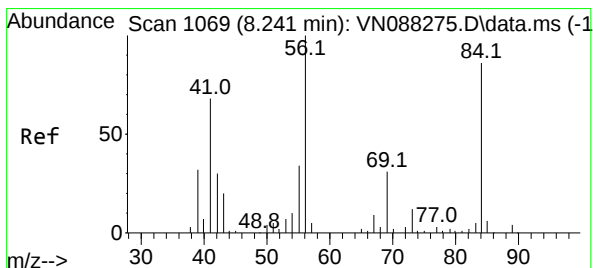
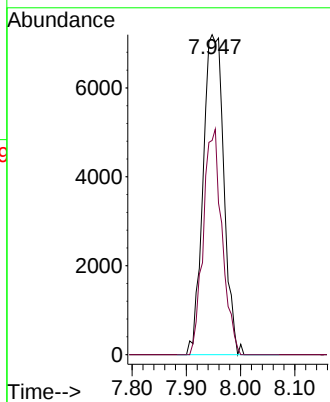
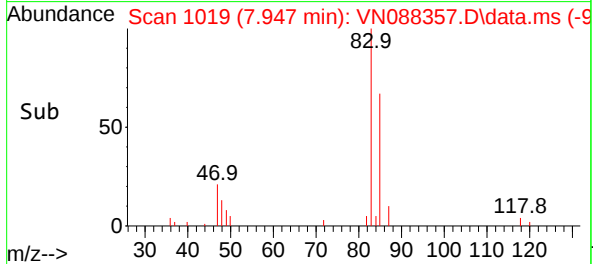
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 83 Resp: 19040
Ion Ratio Lower Upper
83 100
85 66.9 52.2 78.4

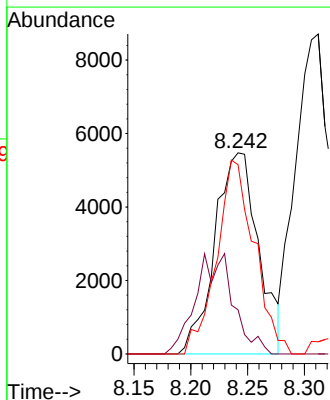
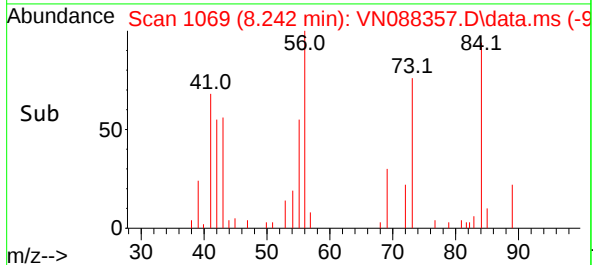
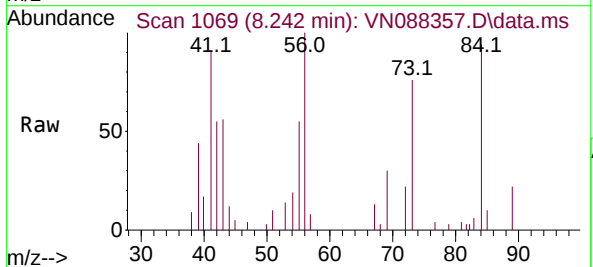
Manual Integrations
APPROVED

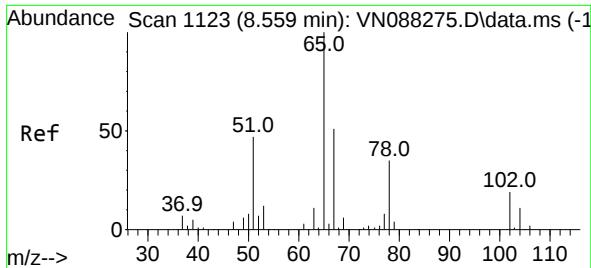
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#26
Cyclohexane
Concen: 2.578 ug/l
RT: 8.242 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

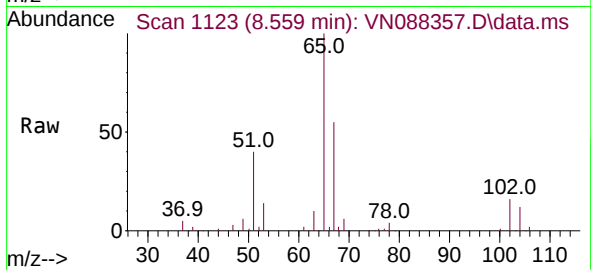
Tgt Ion: 56 Resp: 14649
Ion Ratio Lower Upper
56 100
89 20.5 7.3 10.9#
84 83.1 67.8 101.8





#27
1,2-Dichloroethane-d4
Concen: 29.000 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

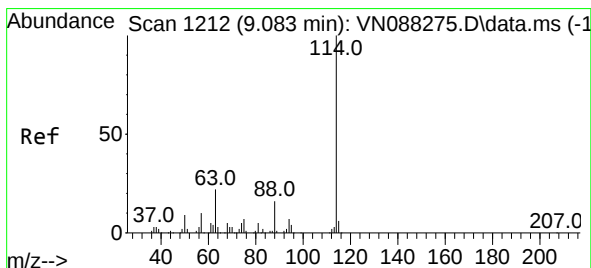
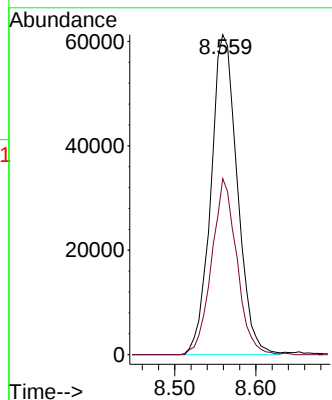
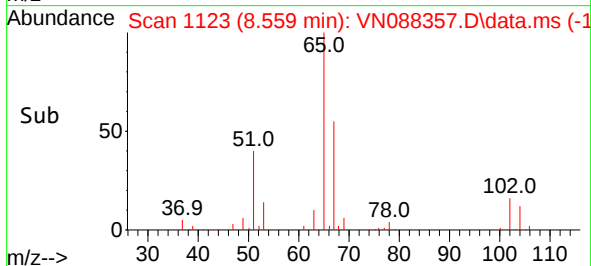
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



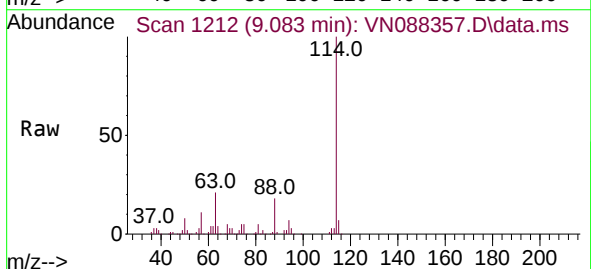
Tgt Ion: 65 Resp: 138550
Ion Ratio Lower Upper
65 100
67 52.3 40.2 60.2

Manual Integrations
APPROVED

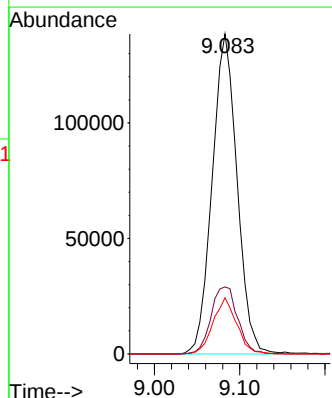
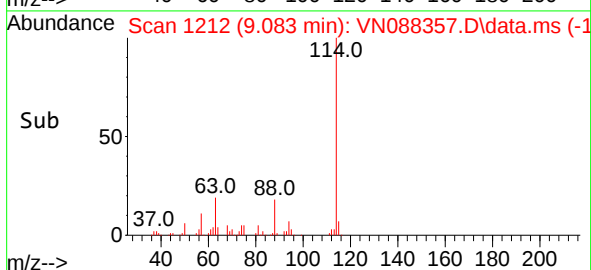
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

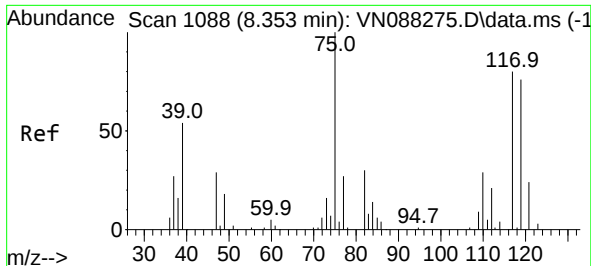


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04



Tgt Ion:114 Resp: 280890
Ion Ratio Lower Upper
114 100
63 22.3 18.9 28.3
88 16.6 12.8 19.2





#29

1,1-Dichloropropene

Concen: 2.503 ug/l

RT: 8.347 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

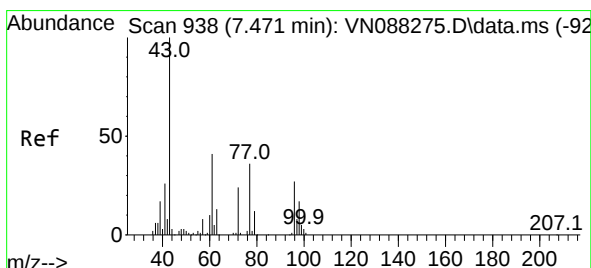
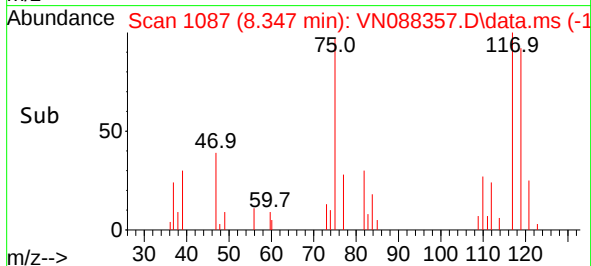
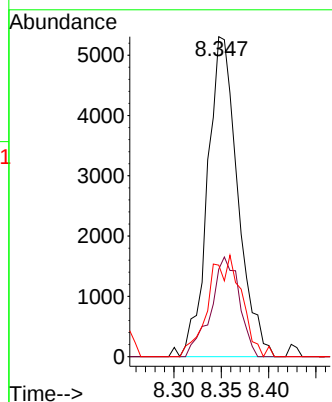
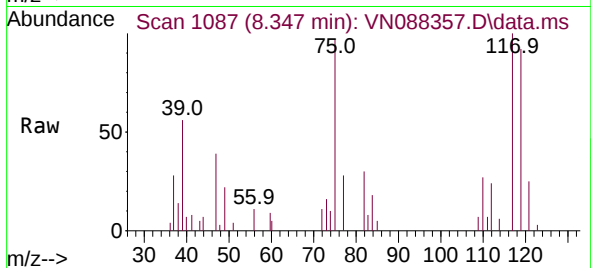
Tgt Ion: 75	Resp: 11730
Ion Ratio	Lower Upper
75 100	
110 29.3	0.0 65.6
77 15.7	0.0 60.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#30

2-Butanone

Concen: 11.318 ug/l

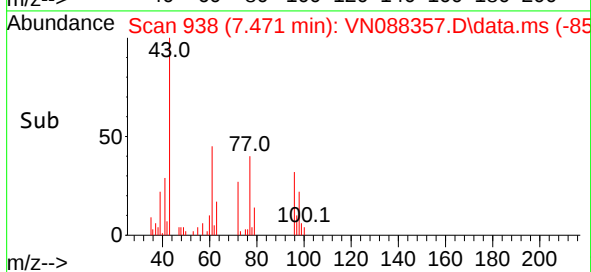
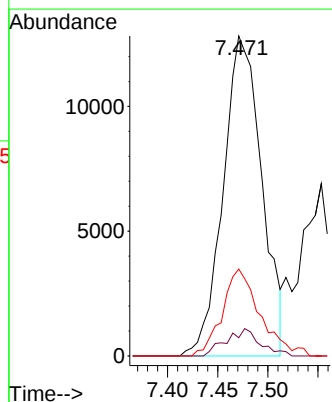
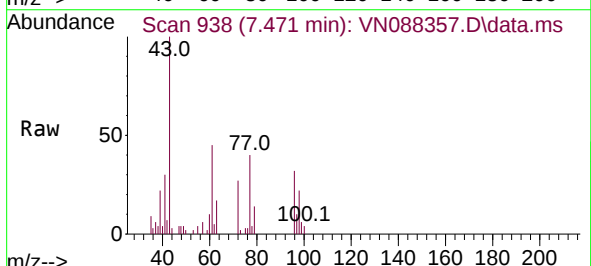
RT: 7.471 min Scan# 938

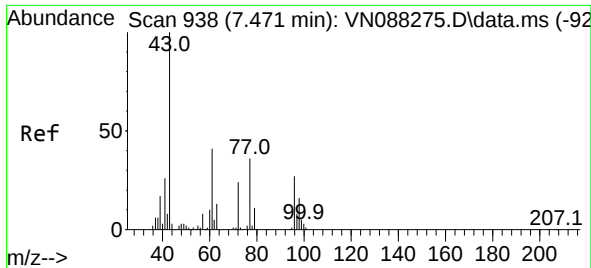
Delta R.T. 0.000 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

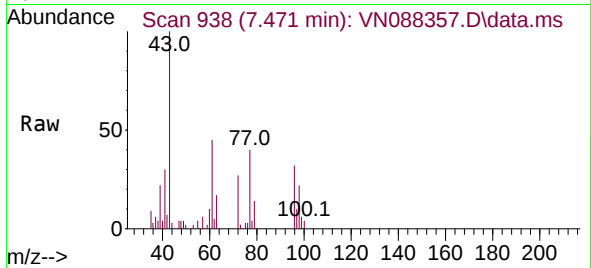
Tgt Ion: 43	Resp: 34312
Ion Ratio	Lower Upper
43 100	
57 5.3	6.2 9.4
72 25.9	19.4 29.2





#31
2,2-Dichloropropane
Concen: 2.592 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

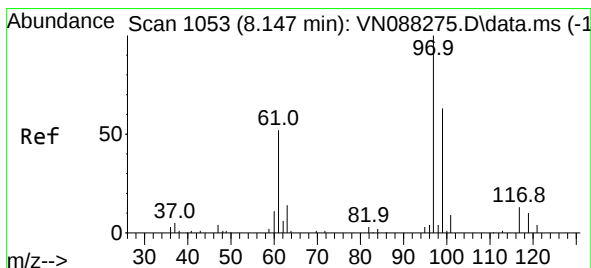
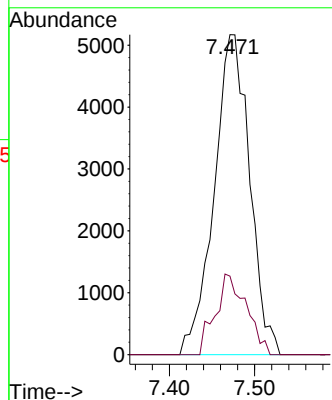
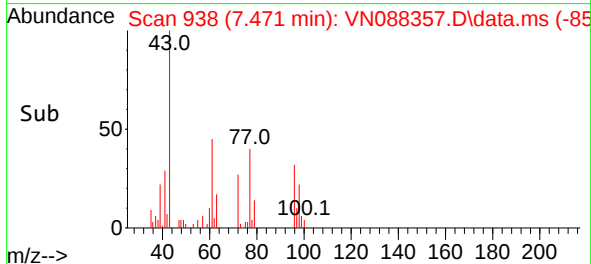
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 77 Resp: 14984
Ion Ratio Lower Upper
77 100
97 8.5 16.8 25.2

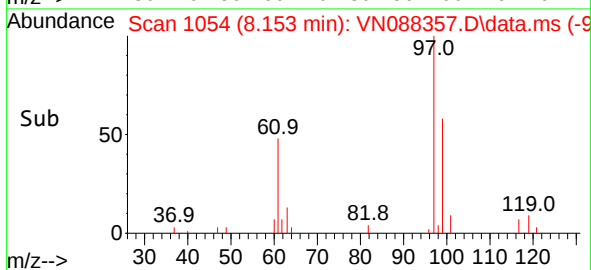
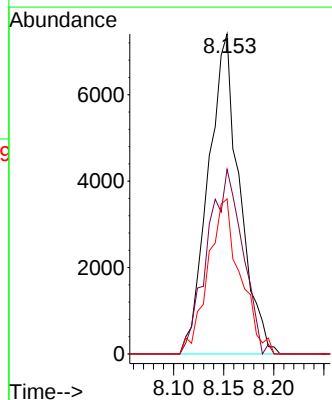
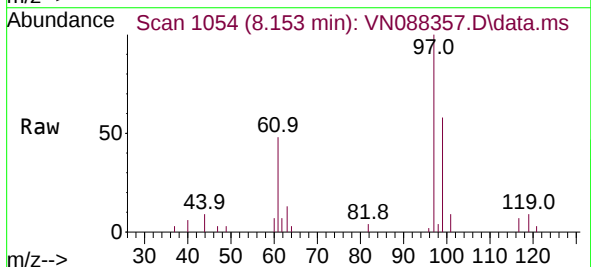
Manual Integrations
APPROVED

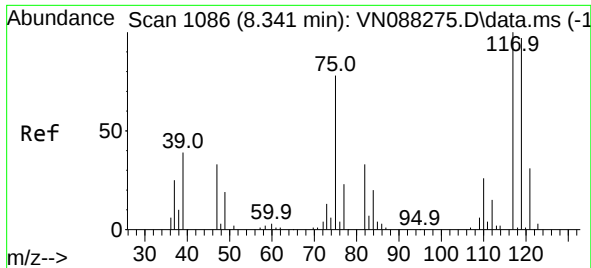
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#32
1,1,1-Trichloroethane
Concen: 2.781 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

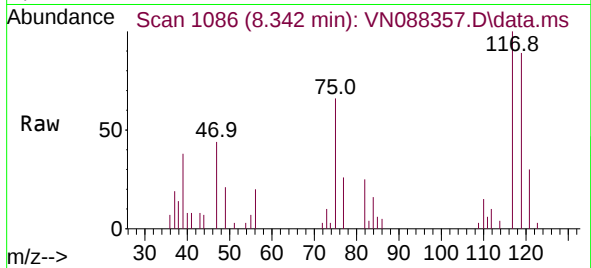
Tgt Ion: 97 Resp: 16068
Ion Ratio Lower Upper
97 100
99 33.8 50.2 75.4#
61 49.3 39.8 59.8





#33
Carbon Tetrachloride
Concen: 2.659 ug/l
RT: 8.342 min Scan# 1086
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

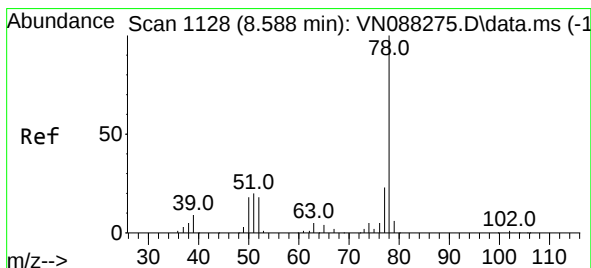
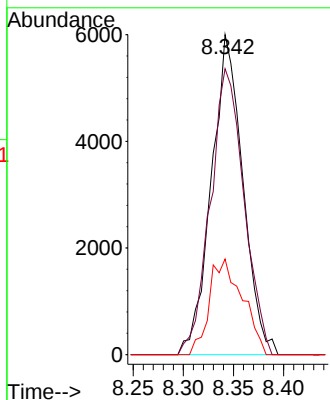
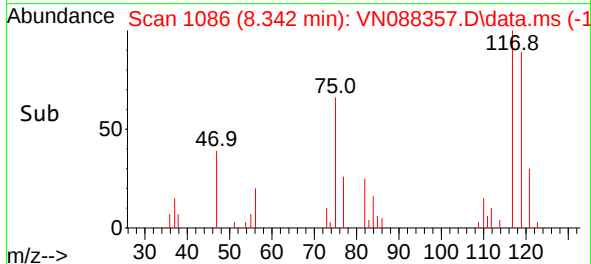
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



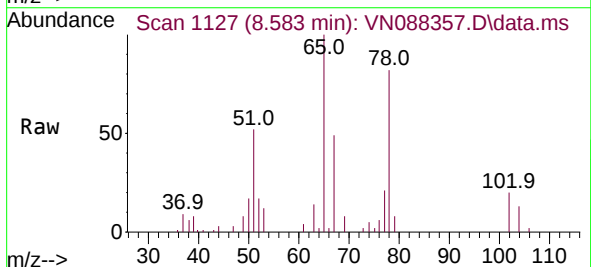
Tgt Ion: 117 Resp: 13120
Ion Ratio Lower Upper
117 100
119 89.3 77.8 116.8
121 29.9 24.5 36.7

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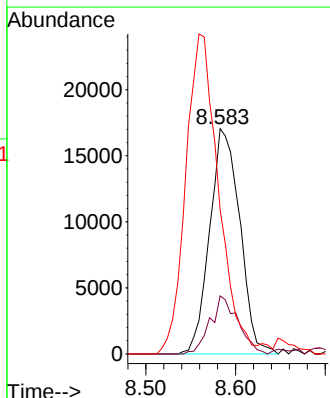
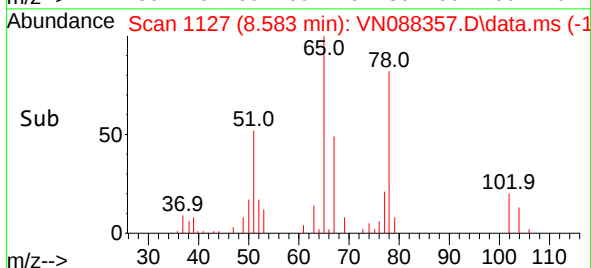
Reviewed By : John Carlone 11/26/2025
Supervised By : Mahesh Dadoda 11/26/2025

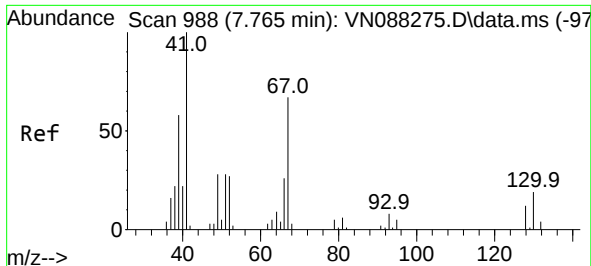


#34
Benzene
Concen: 2.849 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04



Tgt Ion: 78 Resp: 39915
Ion Ratio Lower Upper
78 100
77 25.8 18.6 27.8
51 56.9 15.8 23.8





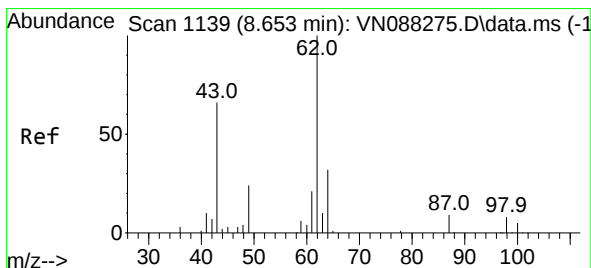
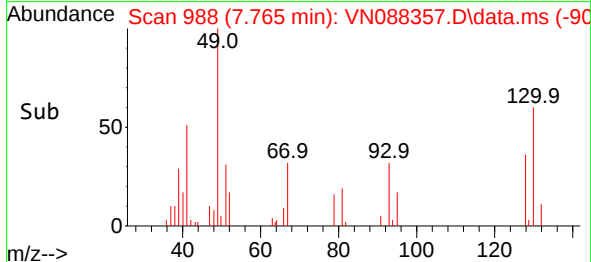
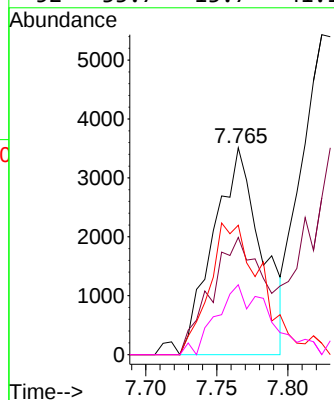
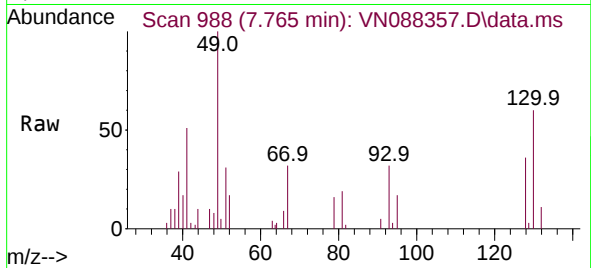
#35
Methacrylonitrile
Concen: 2.600 ug/l
RT: 7.765 min Scan# 988
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

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

Tgt Ion: 41 Resp: 822
Ion Ratio Lower Upper
41 100
39 56.7 29.0 87.0
67 62.5 33.3 99.9
52 33.7 13.7 41.1

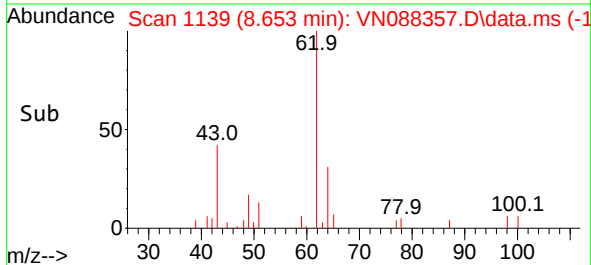
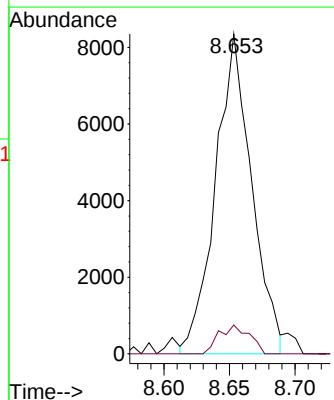
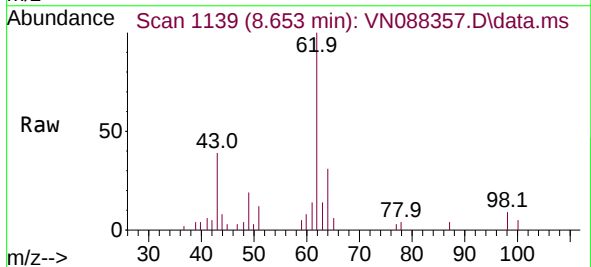
Manual Integrations
APPROVED

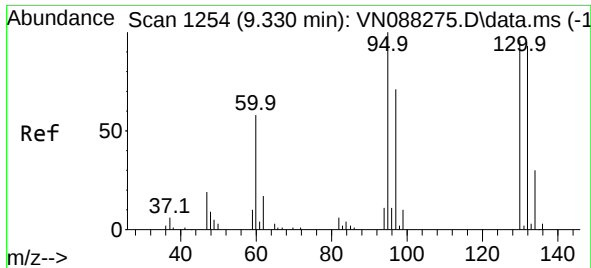
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#36
1,2-Dichloroethane
Concen: 2.944 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

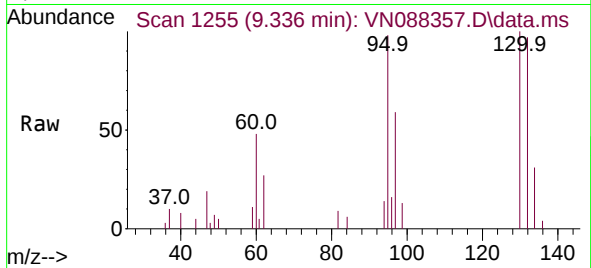
Tgt Ion: 62 Resp: 16051
Ion Ratio Lower Upper
62 100
98 7.6 6.8 10.2





#37
Trichloroethene
Concen: 3.056 ug/l
RT: 9.336 min Scan# 1254
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

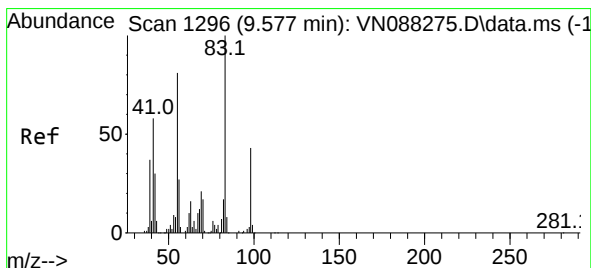
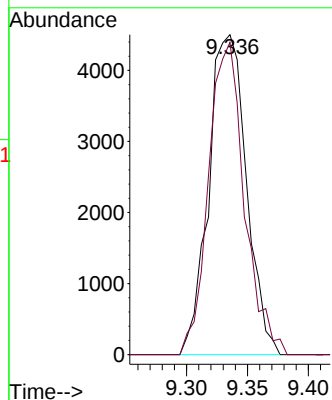
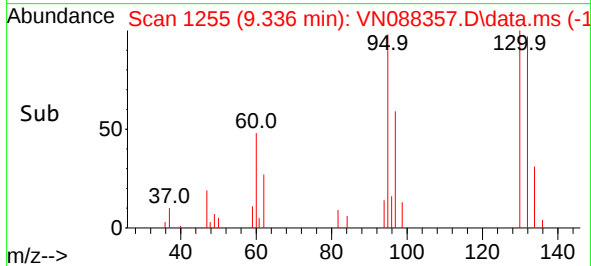
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



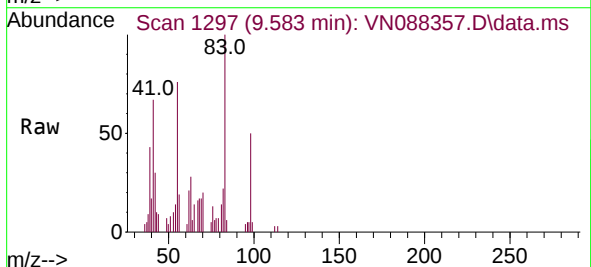
Tgt Ion:130 Resp: 9702
Ion Ratio Lower Upper
130 100
95 97.6 83.7 125.5

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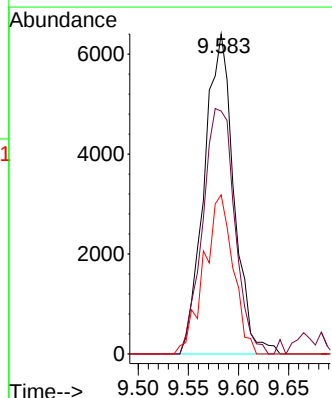
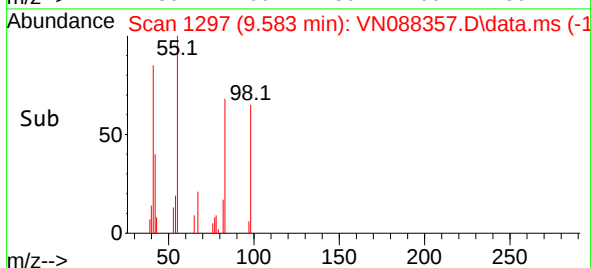
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

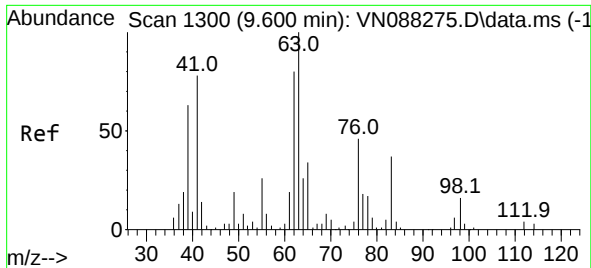


#38
Methylcyclohexane
Concen: 2.457 ug/l
RT: 9.583 min Scan# 1297
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04



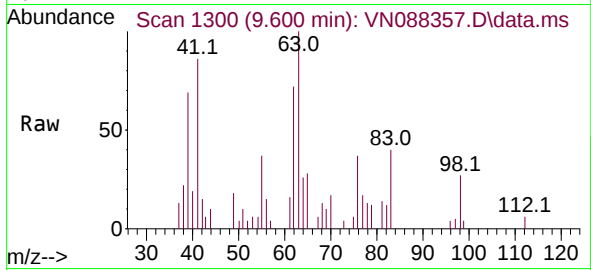
Tgt Ion: 83 Resp: 13202
Ion Ratio Lower Upper
83 100
55 82.9 40.8 122.5
98 48.8 23.4 70.3





#39
1,2-Dichloropropane
Concen: 2.668 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

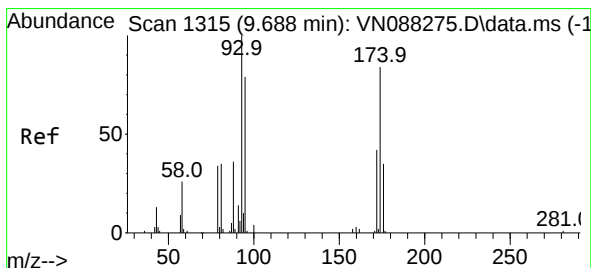
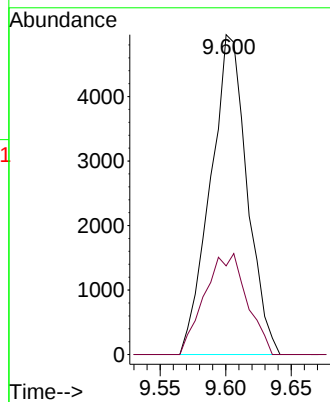
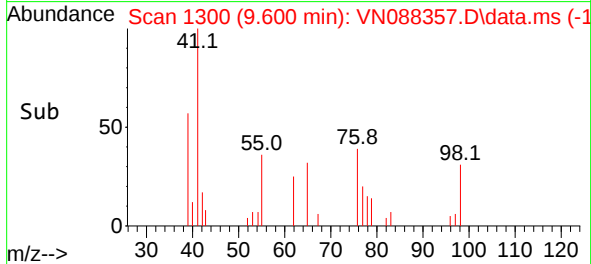
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



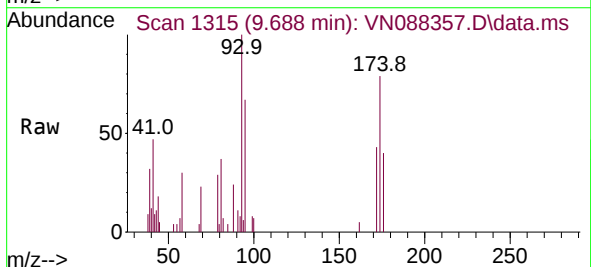
Tgt Ion: 63 Resp: 9643
Ion Ratio Lower Upper
63 100
65 27.7 27.8 41.6

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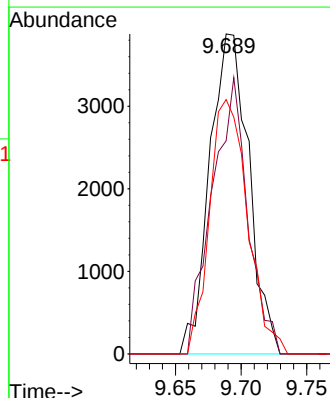
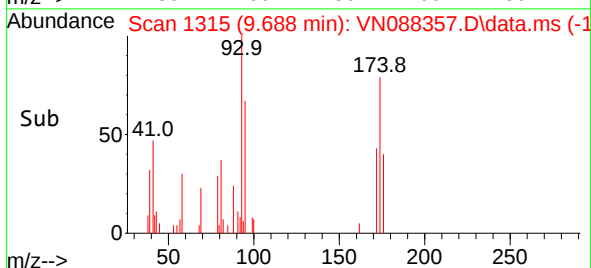
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

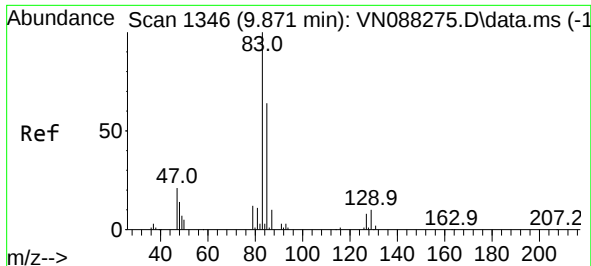


#40
Dibromomethane
Concen: 3.089 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04



Tgt Ion: 93 Resp: 8022
Ion Ratio Lower Upper
93 100
95 79.0 0.0 161.6
174 77.4 0.0 158.2





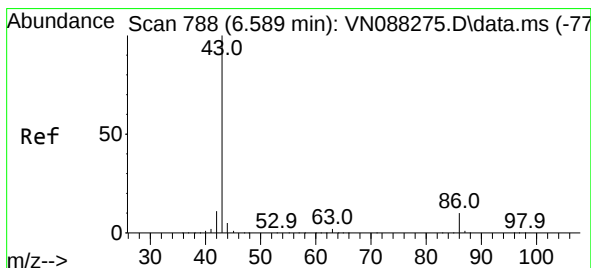
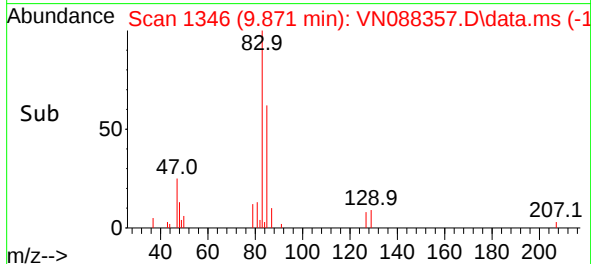
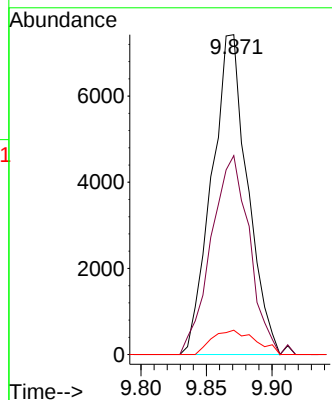
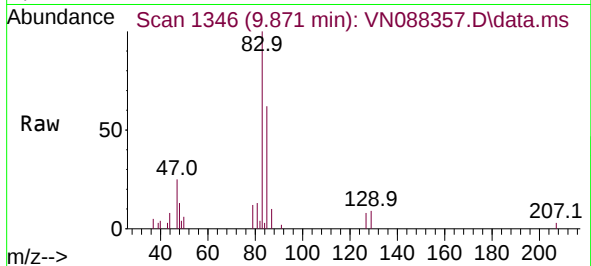
#41
Bromodichloromethane
Concen: 2.700 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

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

Tgt Ion: 83 Resp: 1411
Ion Ratio Lower Upper
83 100
85 62.2 51.4 77.2
127 7.6 6.4 9.6

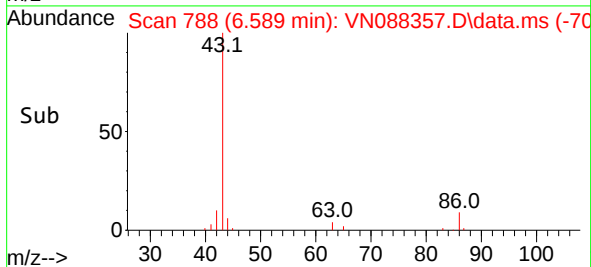
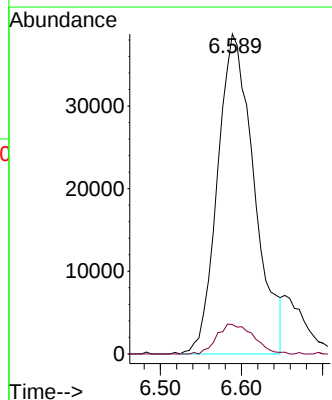
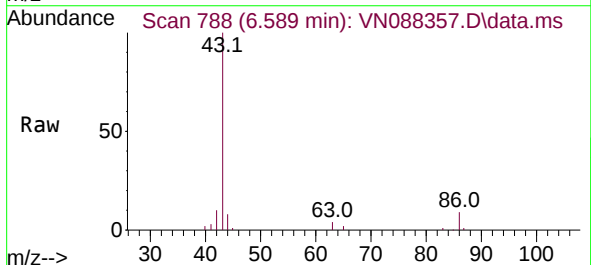
Manual Integrations
APPROVED

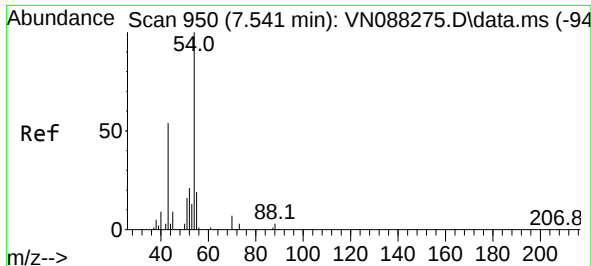
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#42
Vinyl Acetate
Concen: 11.994 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

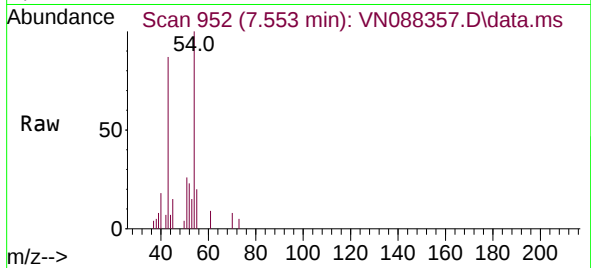
Tgt Ion: 43 Resp: 121362
Ion Ratio Lower Upper
43 100
86 9.1 7.4 11.2





#43
Ethyl Acetate
Concen: 2.799 ug/l
RT: 7.553 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

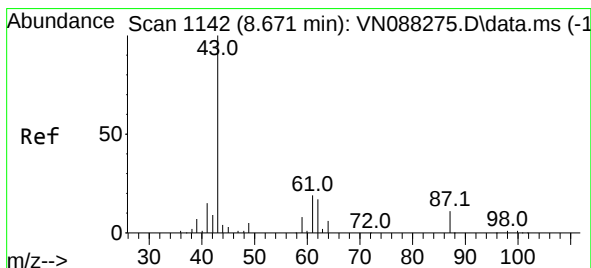
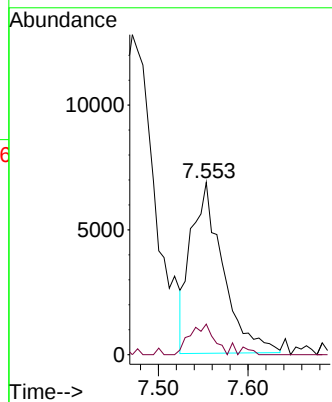
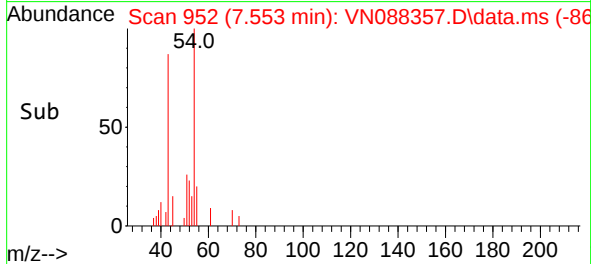
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 43 Resp: 1707
Ion Ratio Lower Upper
43 100
45 13.3 9.9 14.9

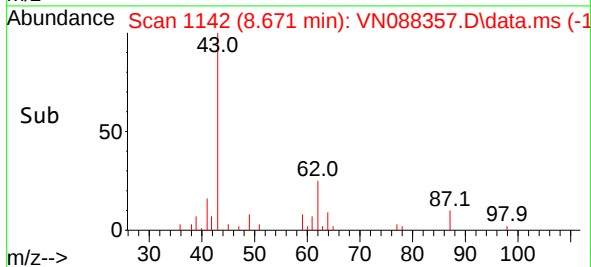
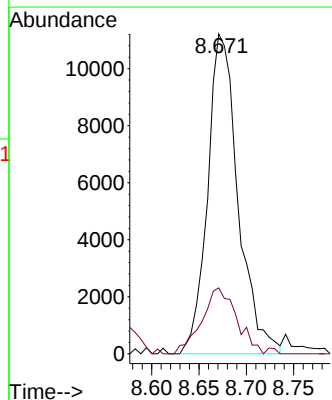
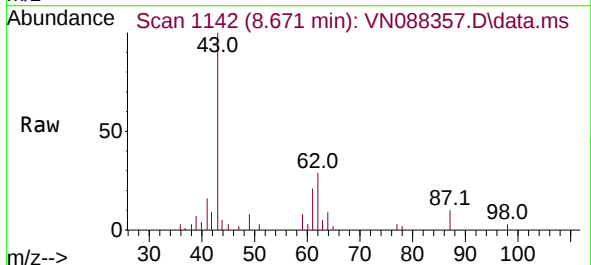
Manual Integrations
APPROVED

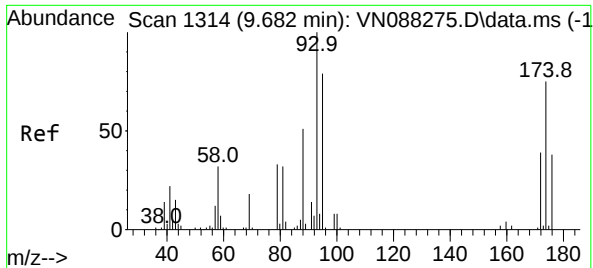
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#44
Isopropyl Acetate
Concen: 2.675 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

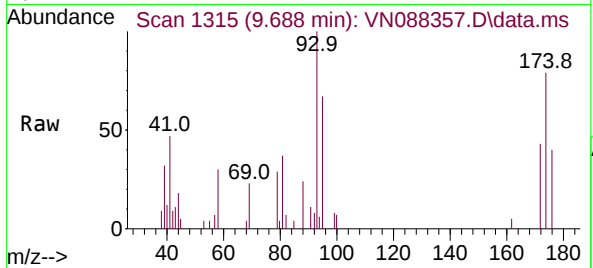
Tgt Ion: 43 Resp: 25147
Ion Ratio Lower Upper
43 100
61 23.6 19.0 28.6





#45
 1,4-Dioxane
 Concen: 44.762 ug/l
 RT: 9.688 min Scan# 1315
 Delta R.T. 0.006 min
 Lab File: VN088357.D
 Acq: 25 Nov 2025 13:04

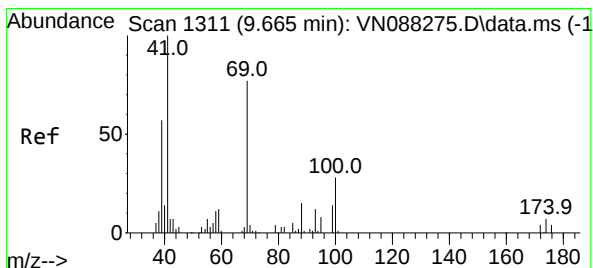
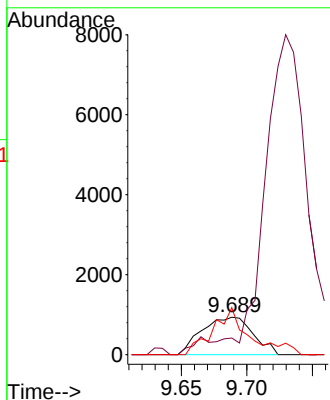
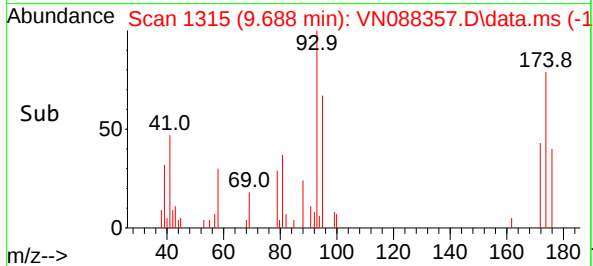
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 88 Resp: 2534
 Ion Ratio Lower Upper
 88 100
 43 4.7 27.8 41.8
 58 53.8 59.5 89.3

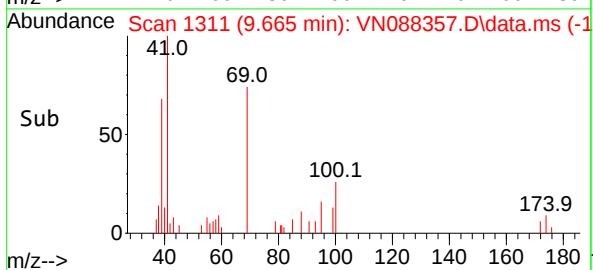
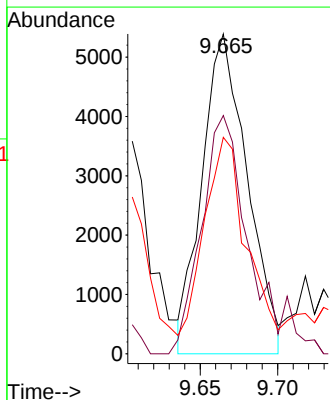
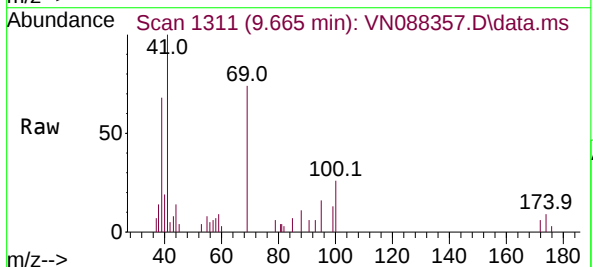
Manual Integrations
 APPROVED

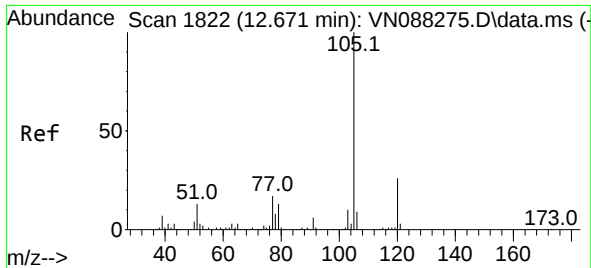
Reviewed By :John Carlone 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025



#46
 Methyl methacrylate
 Concen: 2.497 ug/l
 RT: 9.665 min Scan# 1311
 Delta R.T. 0.000 min
 Lab File: VN088357.D
 Acq: 25 Nov 2025 13:04

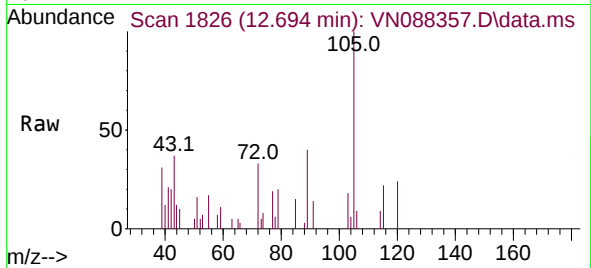
Tgt Ion: 41 Resp: 10983
 Ion Ratio Lower Upper
 41 100
 69 76.9 38.5 115.3
 39 67.9 29.0 87.1





#47
n-amyl acetate
Concen: 1.748 ug/l m
RT: 12.694 min Scan# 1822
Delta R.T. 0.024 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

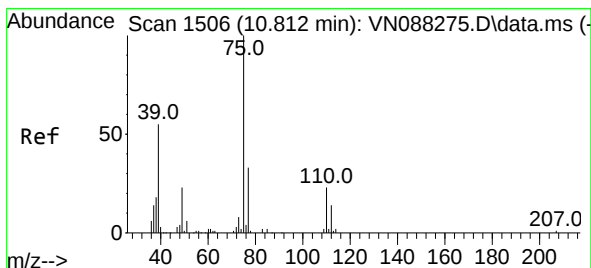
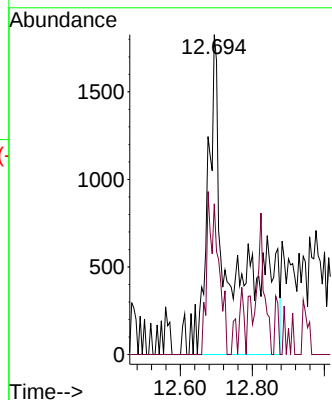
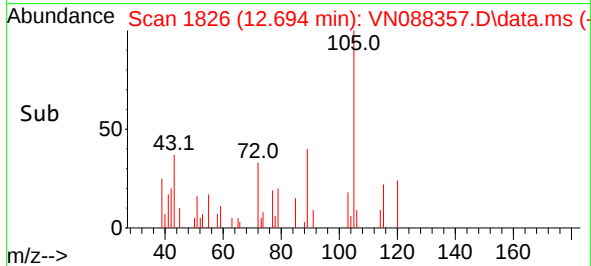
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 43 Resp: 8329
Ion Ratio Lower Upper
43 100
55 11.6 0.0 0.0

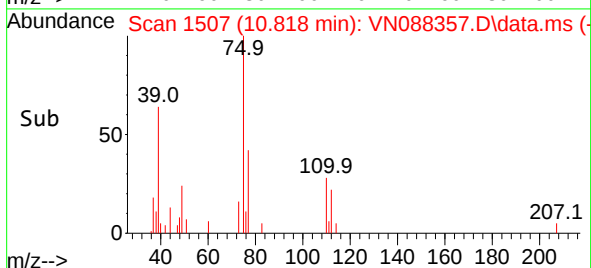
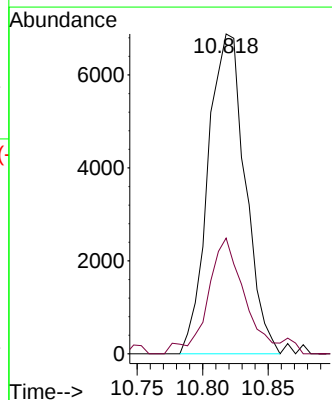
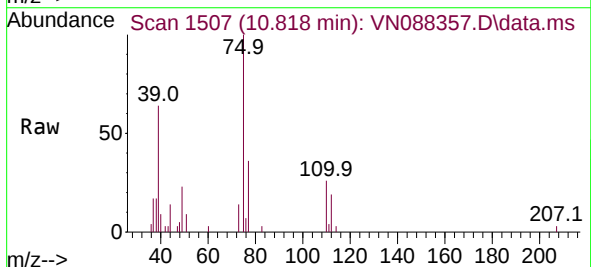
Manual Integrations
APPROVED

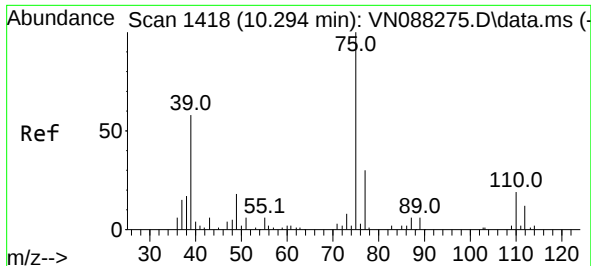
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#48
t-1,3-Dichloropropene
Concen: 2.432 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

Tgt Ion: 75 Resp: 13600
Ion Ratio Lower Upper
75 100
77 33.2 26.1 39.1





#49

cis-1,3-Dichloropropene

Concen: 2.635 ug/l

RT: 10.288 min Scan# 1418

Delta R.T. -0.006 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

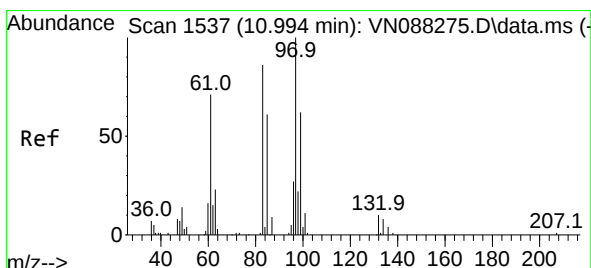
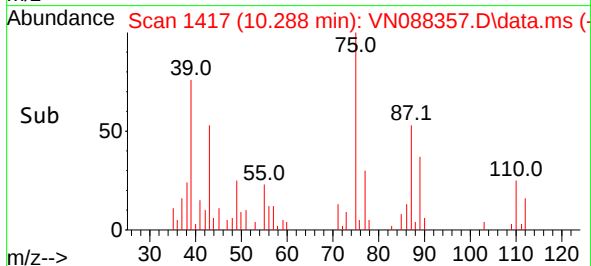
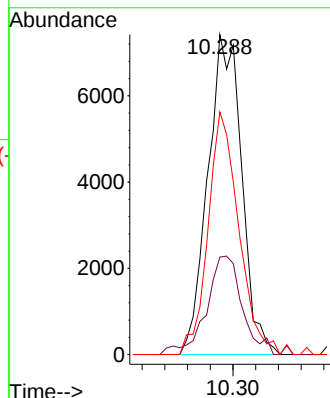
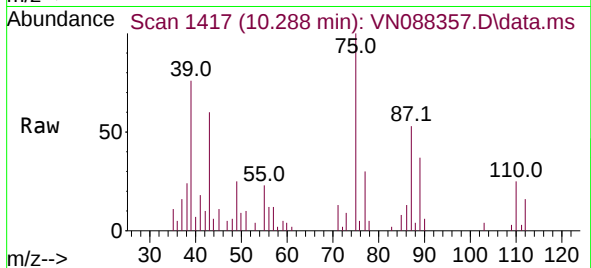
Tgt Ion: 75	Resp: 15330
Ion Ratio	Lower Upper
75	100
77	30.5 24.4 36.6
39	75.8 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#50

1,1,2-Trichloroethane

Concen: 2.925 ug/l

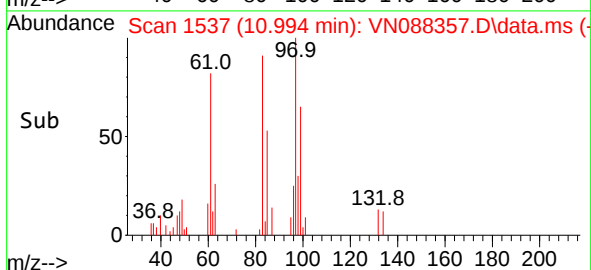
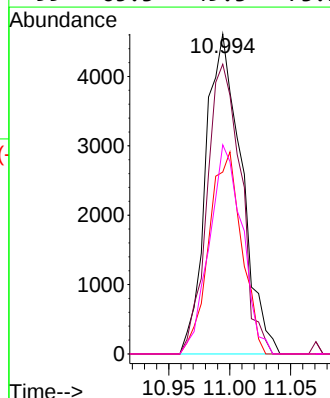
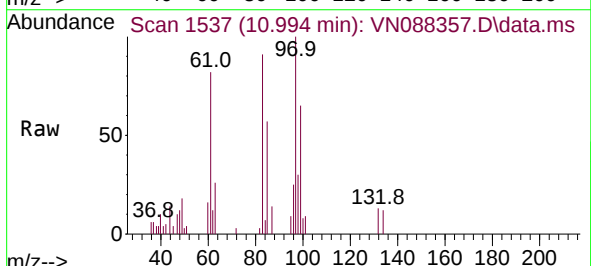
RT: 10.994 min Scan# 1537

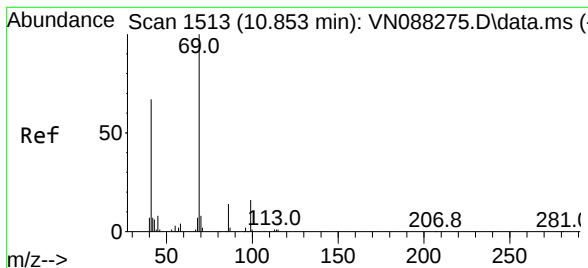
Delta R.T. 0.000 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

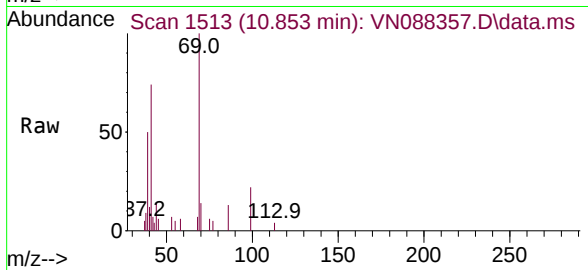
Tgt Ion: 97	Resp: 9393
Ion Ratio	Lower Upper
97	100
83	90.5 68.6 102.8
85	56.8 49.0 73.6
99	65.3 49.3 73.9





#51
Ethyl methacrylate
Concen: 2.052 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

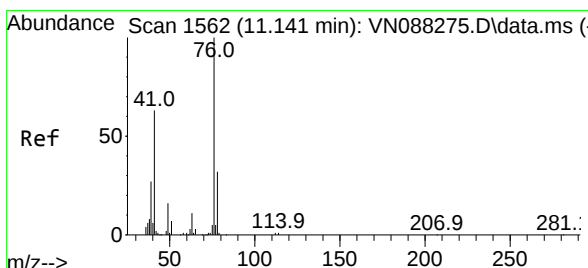
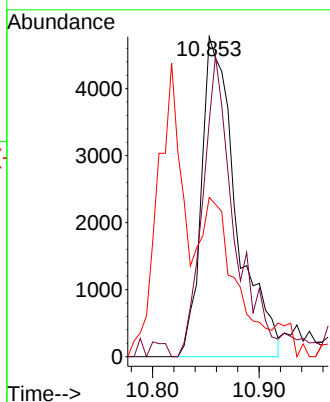
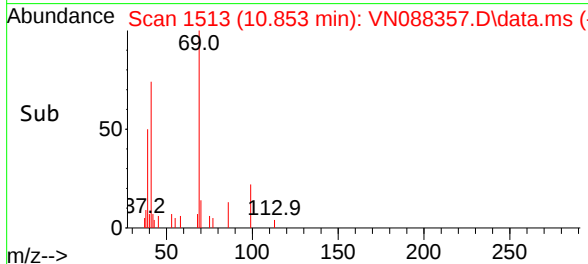
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



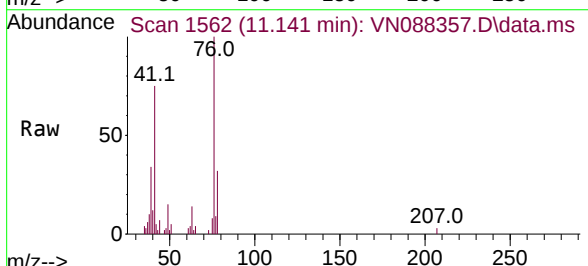
Tgt Ion: 69 Resp: 1084
Ion Ratio Lower Upper
69 100
41 73.5 33.6 100.8
39 39.2 23.4 70.2

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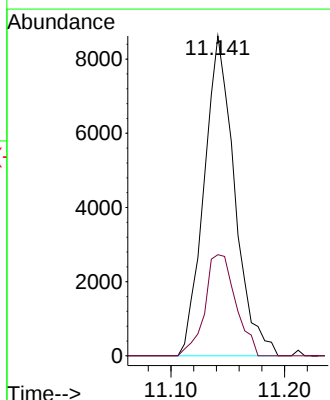
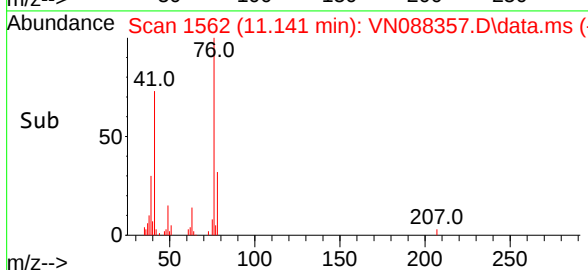
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

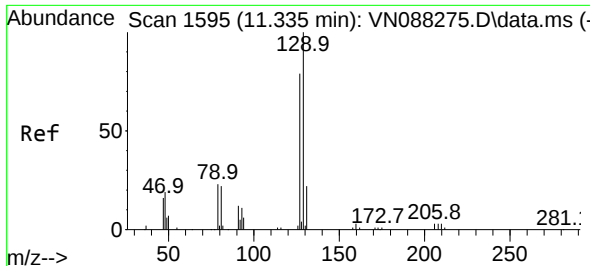


#52
1,3-Dichloropropane
Concen: 2.761 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04



Tgt Ion: 76 Resp: 16147
Ion Ratio Lower Upper
76 100
78 31.9 0.0 64.2





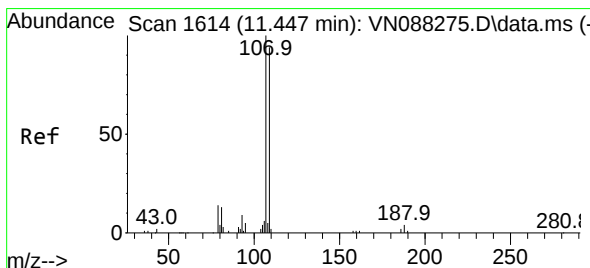
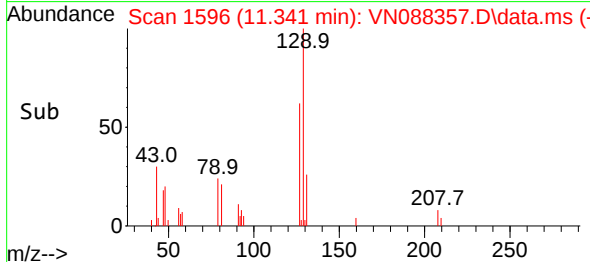
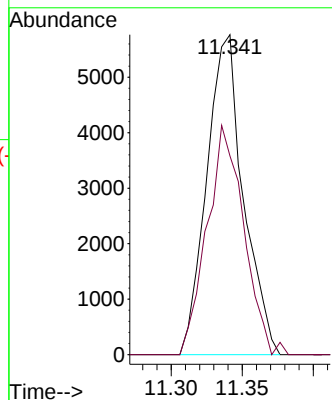
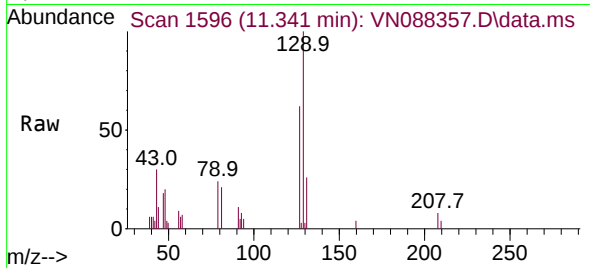
#53
Dibromochloromethane
Concen: 2.813 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

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

Tgt Ion:129 Resp: 10374
Ion Ratio Lower Upper
129 100
127 71.1 38.2 114.6

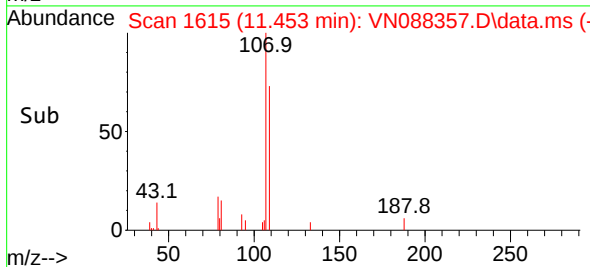
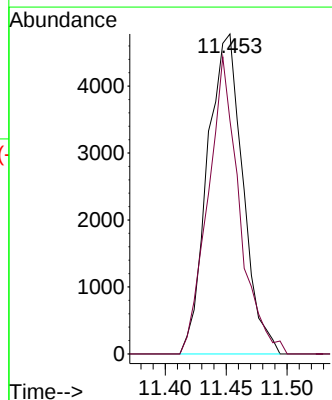
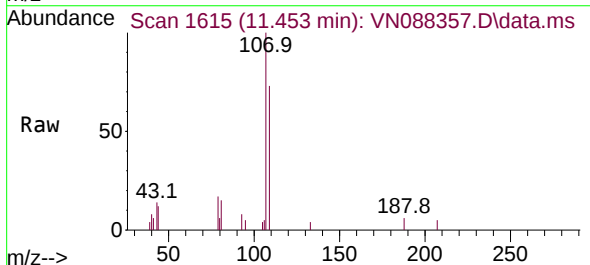
Manual Integrations
APPROVED

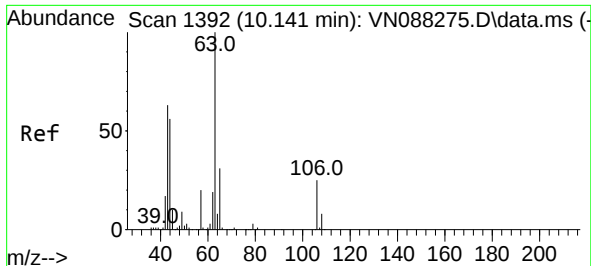
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#54
1,2-Dibromoethane
Concen: 2.897 ug/l
RT: 11.453 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

Tgt Ion:107 Resp: 9665
Ion Ratio Lower Upper
107 100
109 82.4 76.6 115.0





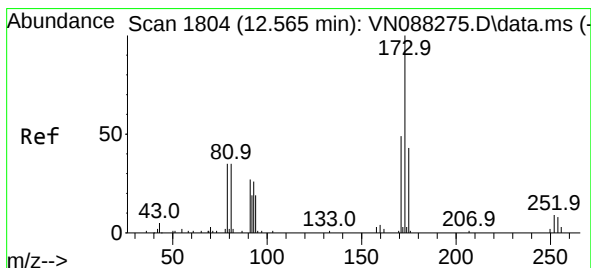
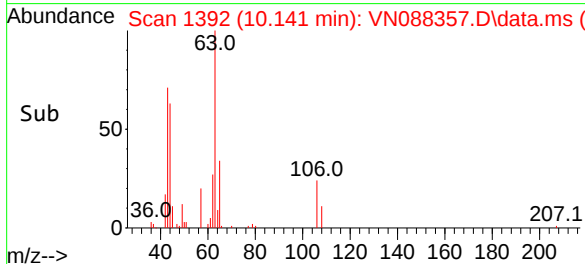
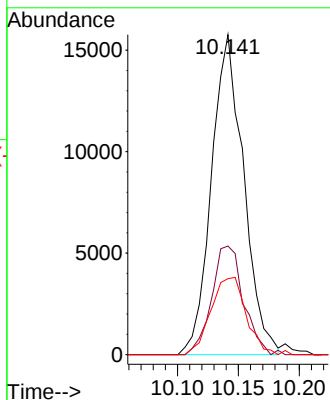
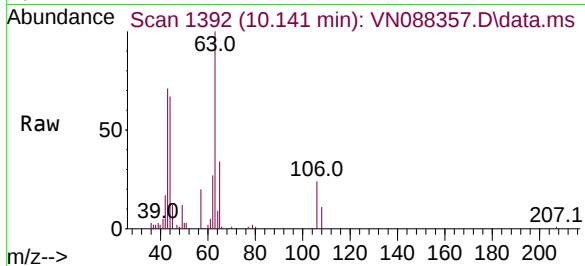
#55
2-Chloroethyl vinyl ether
Concen: 9.533 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

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

Tgt Ion: 63 Resp: 2901
Ion Ratio Lower Upper
63 100
65 33.3 24.9 37.3
106 26.3 20.3 30.5

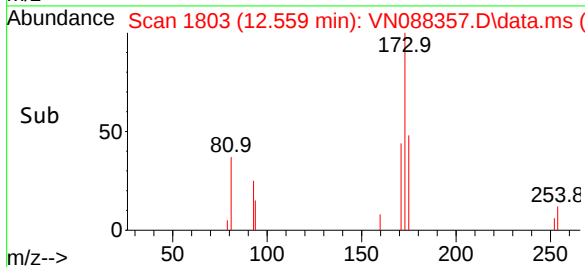
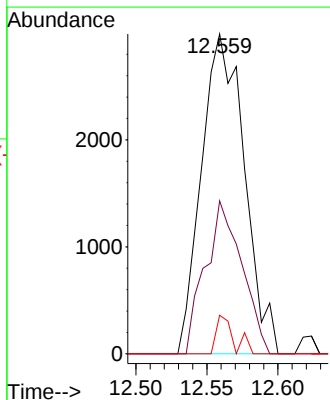
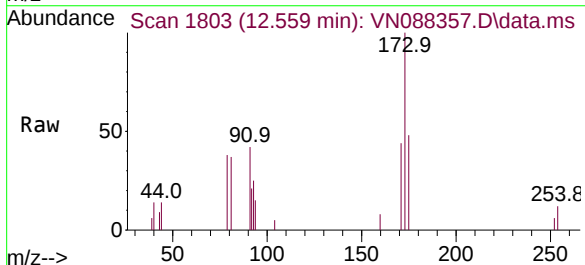
Manual Integrations
APPROVED

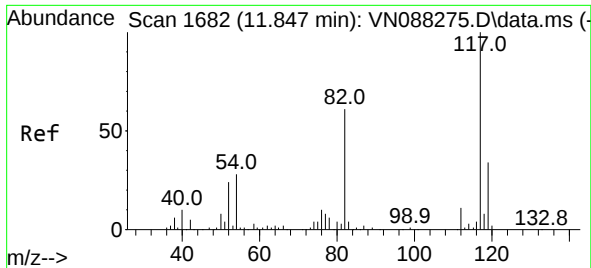
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#56
Bromoform
Concen: 2.682 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

Tgt Ion:173 Resp: 6262
Ion Ratio Lower Upper
173 100
175 40.9 37.7 56.5
254 3.8 5.9 8.9#





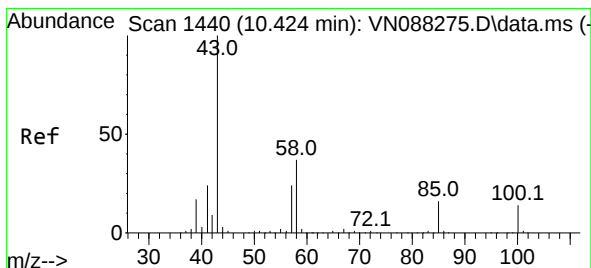
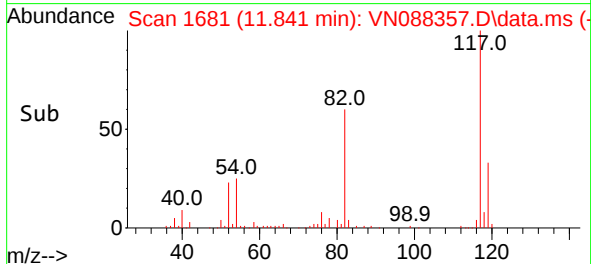
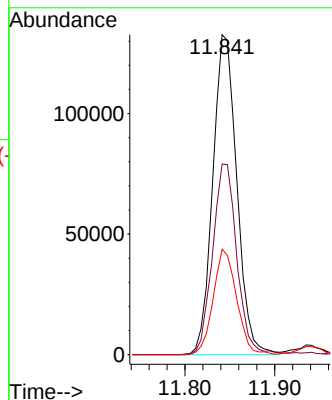
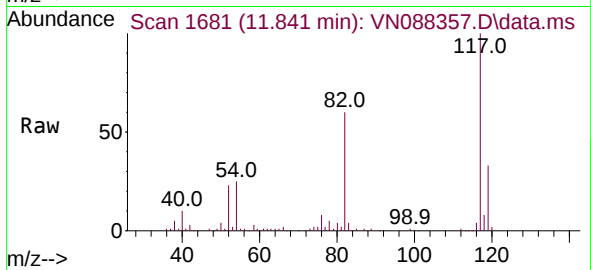
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

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

Tgt Ion:117 Resp: 24770
Ion Ratio Lower Upper
117 100
82 60.1 49.3 73.9
119 32.0 26.4 39.6

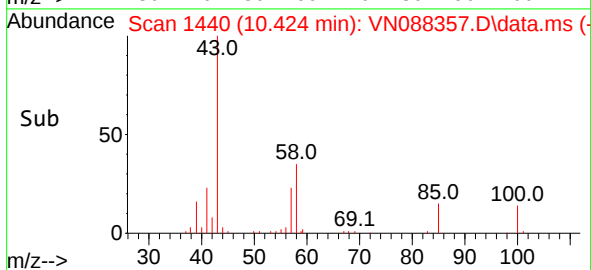
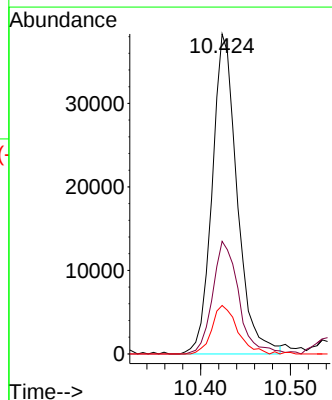
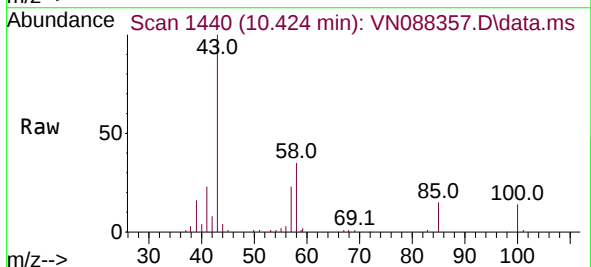
Manual Integrations
APPROVED

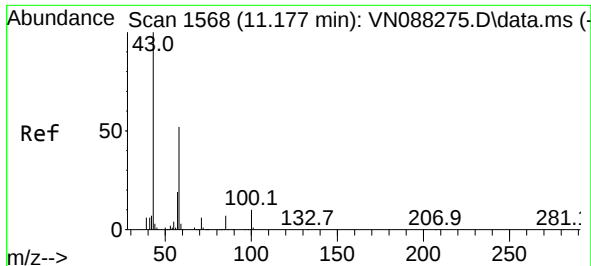
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#58
4-Methyl-2-Pentanone
Concen: 13.258 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

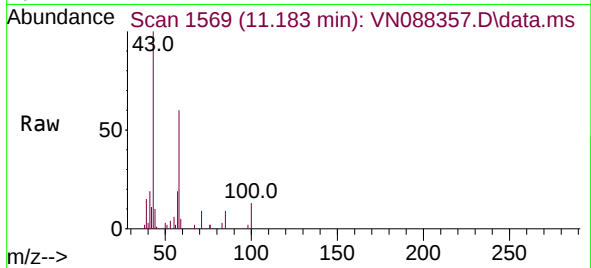
Tgt Ion: 43 Resp: 74278
Ion Ratio Lower Upper
43 100
58 36.6 29.2 43.8
85 15.3 12.6 19.0





#59
2-Hexanone
Concen: 8.163 ug/l
RT: 11.183 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

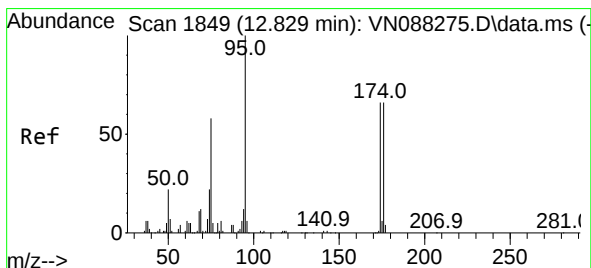
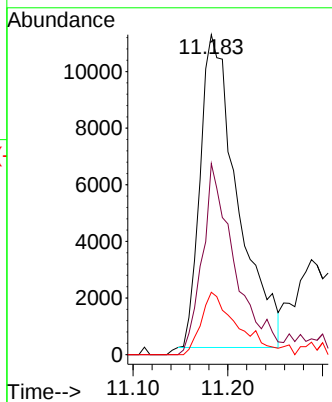
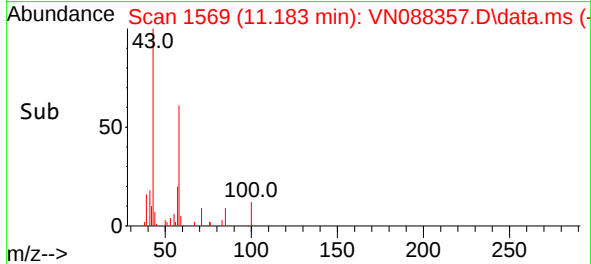
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 43 Resp: 30369
Ion Ratio Lower Upper
43 100
58 50.2 41.0 61.4
57 16.7 14.4 21.6

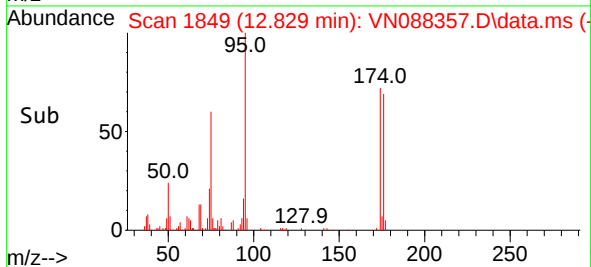
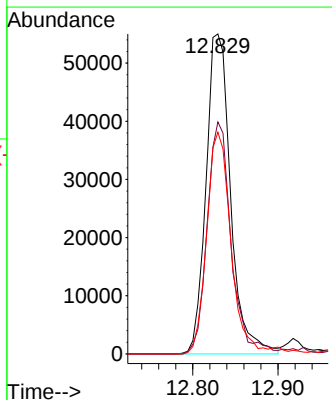
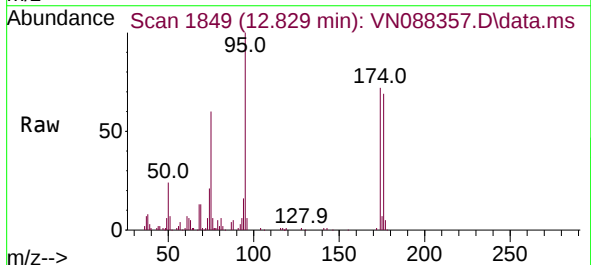
Manual Integrations
APPROVED

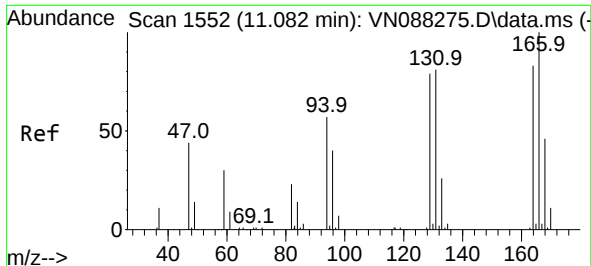
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#60
4-Bromofluorobenzene
Concen: 26.353 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

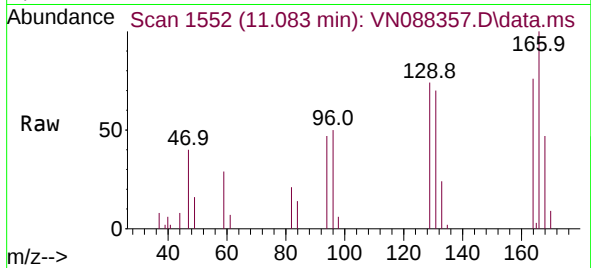
Tgt Ion: 95 Resp: 110347
Ion Ratio Lower Upper
95 100
174 68.6 54.5 81.7
176 66.9 53.8 80.6





#61
Tetrachloroethene
Concen: 3.530 ug/l
RT: 11.083 min Scan# 11083
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

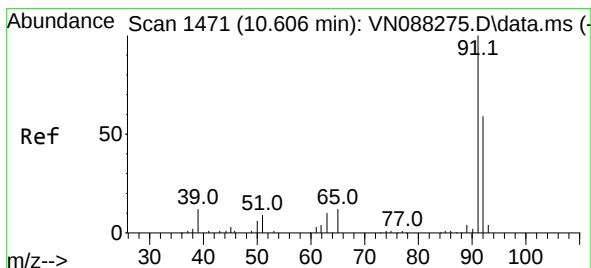
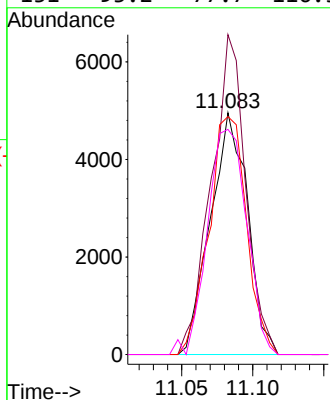
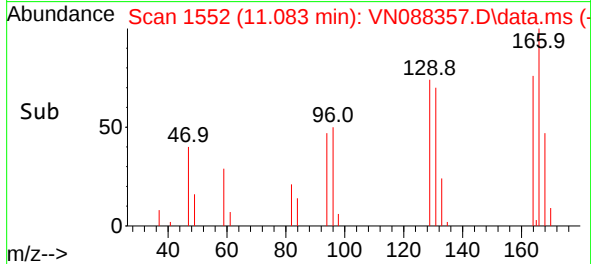
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



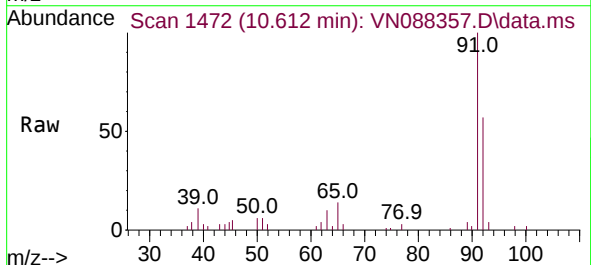
Tgt Ion:164 Resp: 9014
Ion Ratio Lower Upper
164 100
166 132.3 96.3 144.5
129 98.4 76.2 114.2
131 93.2 77.7 116.5

Manual Integrations
APPROVED

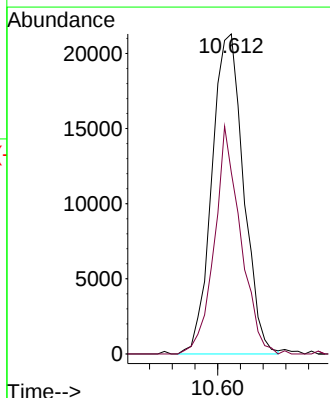
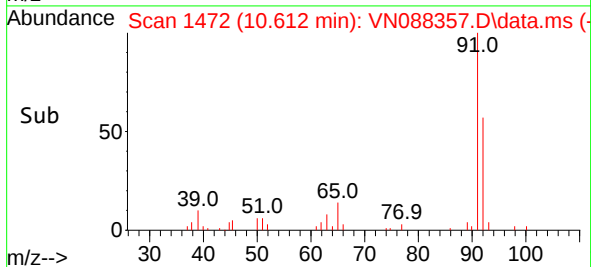
Reviewed By :John Carbone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

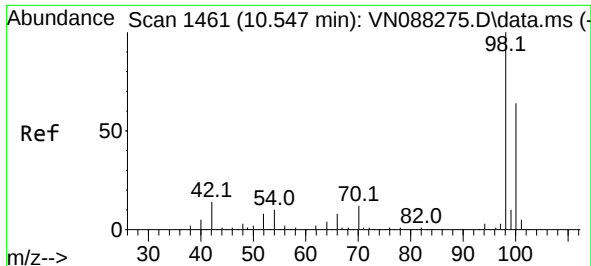


#62
Toluene
Concen: 2.900 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04



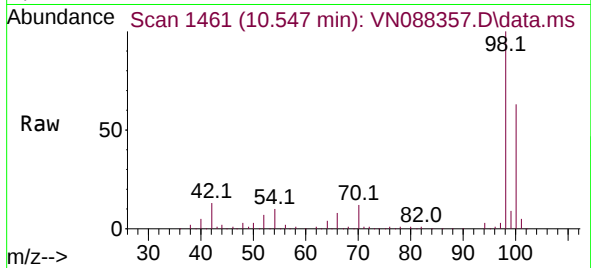
Tgt Ion: 91 Resp: 41224
Ion Ratio Lower Upper
91 100
92 58.6 46.7 70.1





#63
Toluene-d8
Concen: 30.250 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

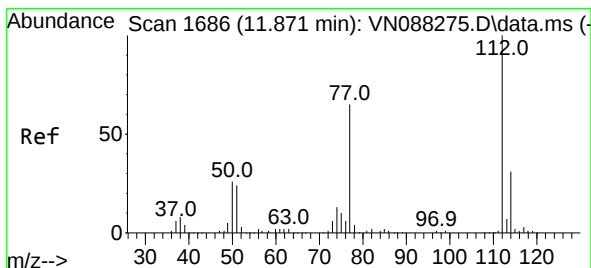
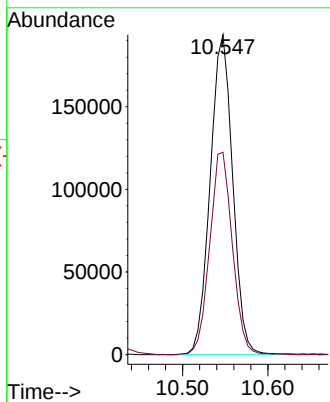
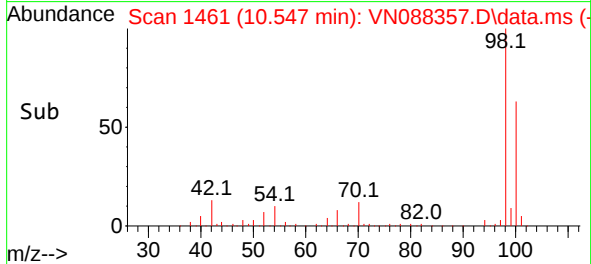
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 98 Resp: 354740
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4

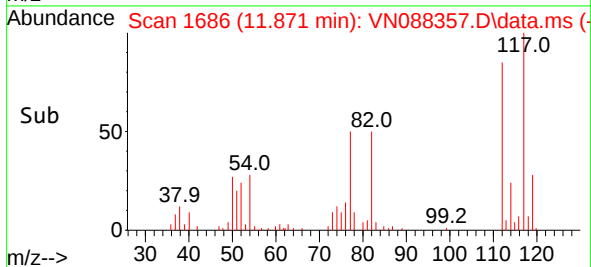
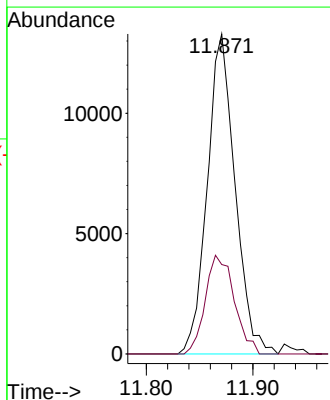
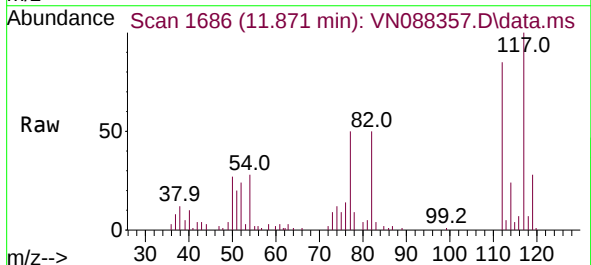
Manual Integrations
APPROVED

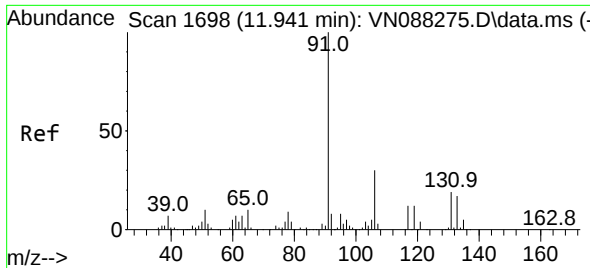
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#64
Chlorobenzene
Concen: 2.739 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

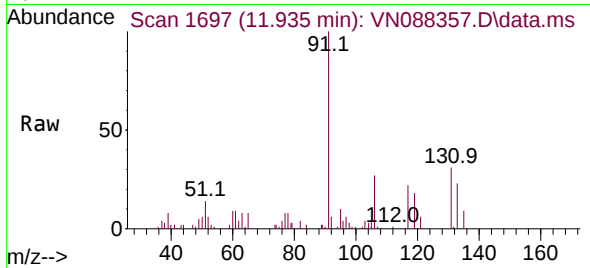
Tgt Ion:112 Resp: 24114
Ion Ratio Lower Upper
112 100
114 27.9 25.0 37.4





#65
1,1,1,2-Tetrachloroethane
Concen: 2.903 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

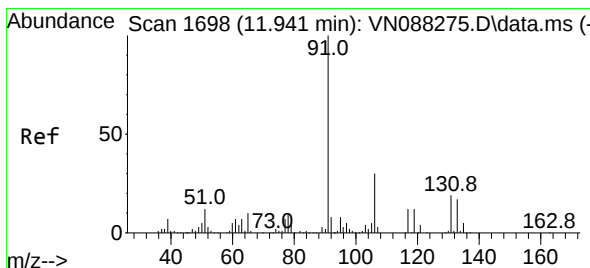
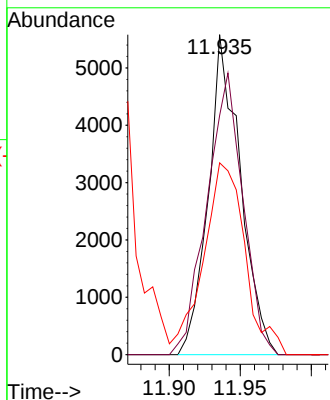
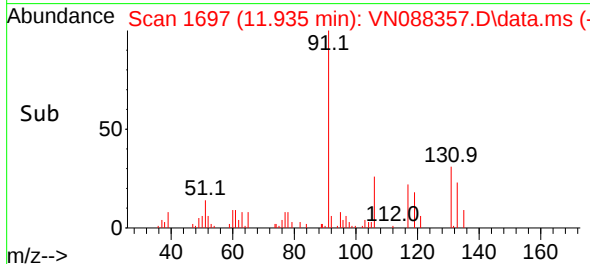
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



Tgt Ion:131 Resp: 874
Ion Ratio Lower Upper
131 100
133 99.1 0.0 181.4
119 66.0 0.0 135.0

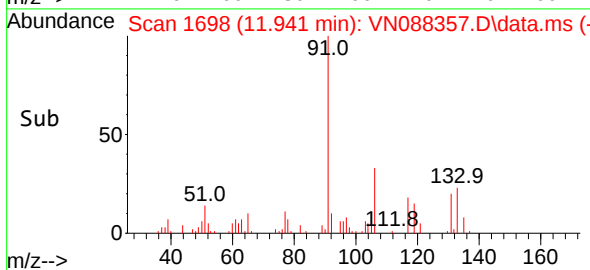
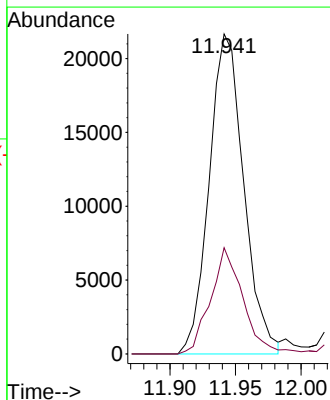
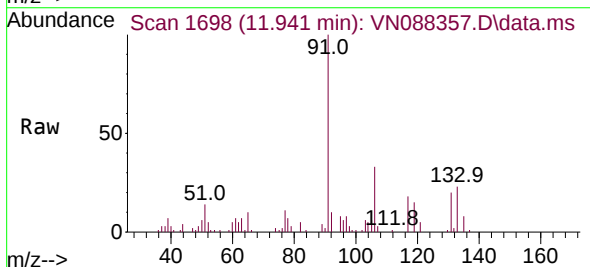
Manual Integrations
APPROVED

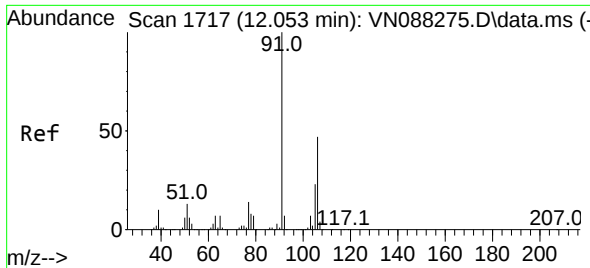
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#66
Ethyl Benzene
Concen: 2.533 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

Tgt Ion: 91 Resp: 39680
Ion Ratio Lower Upper
91 100
106 33.2 24.4 36.6





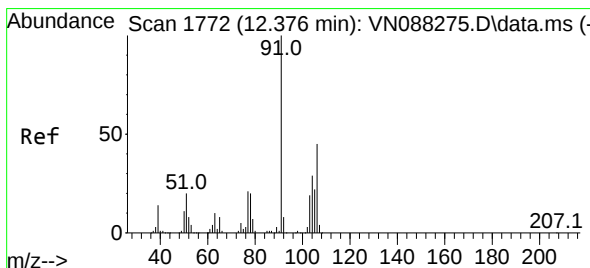
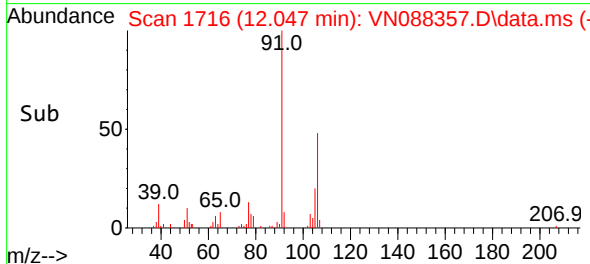
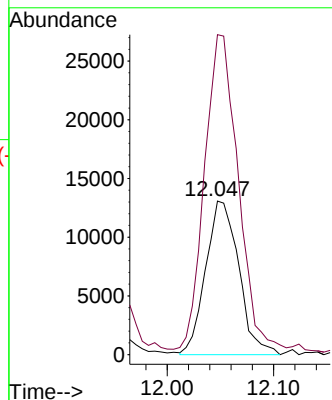
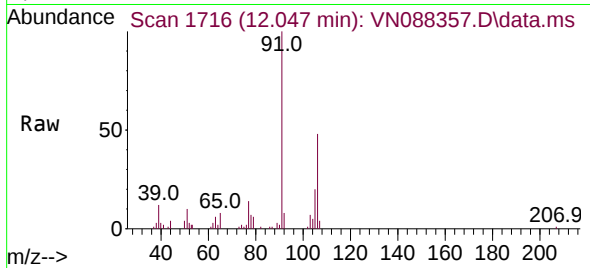
#67
m/p-Xylenes
Concen: 4.825 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

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

Tgt Ion:106 Resp: 28266
Ion Ratio Lower Upper
106 100
91 216.0 168.3 252.5

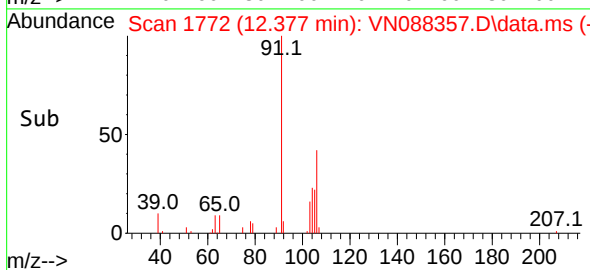
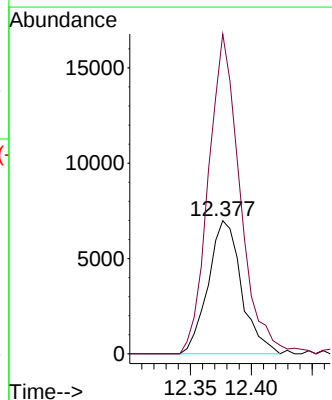
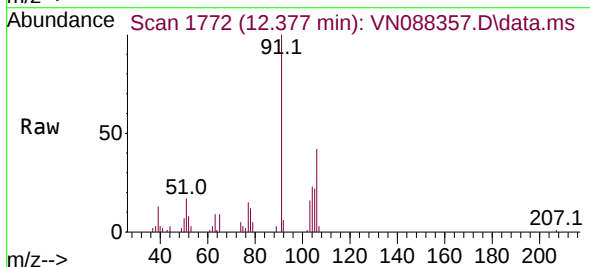
Manual Integrations
APPROVED

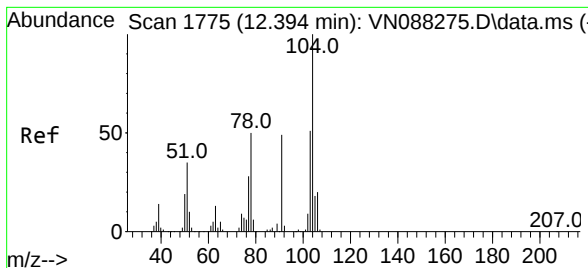
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#68
o-Xylene
Concen: 2.403 ug/l
RT: 12.377 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

Tgt Ion:106 Resp: 13283
Ion Ratio Lower Upper
106 100
91 226.7 114.0 342.0





#69

Styrene

Concen: 2.255 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

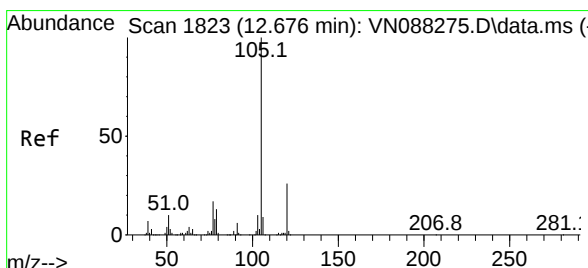
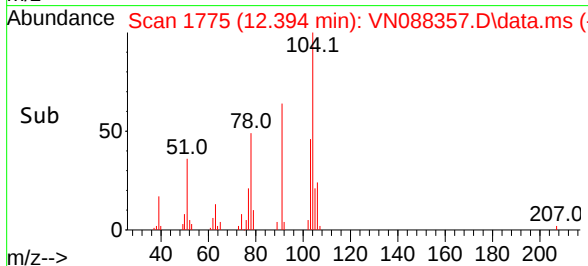
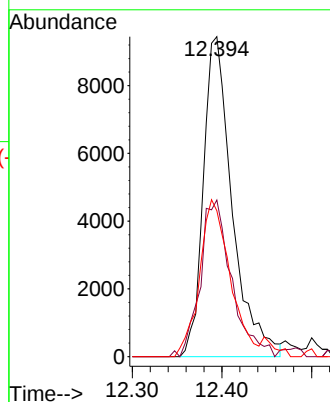
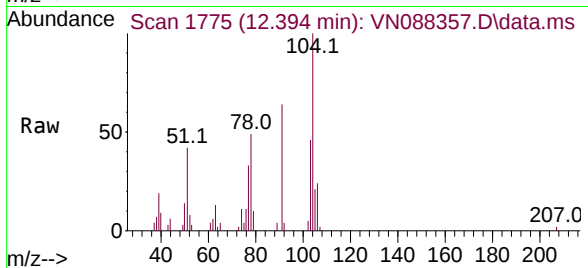
Tgt Ion:	104	Resp:	21163
Ion Ratio	Lower	Upper	
104	100		
78	52.0	43.8	65.8
103	51.8	44.8	67.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#70

Isopropylbenzene

Concen: 2.249 ug/l

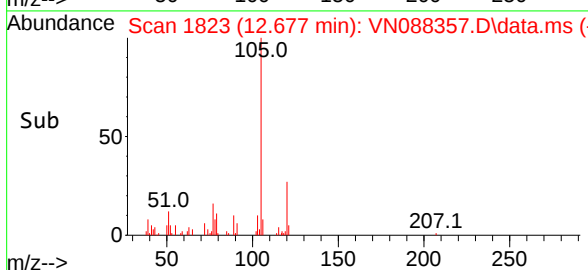
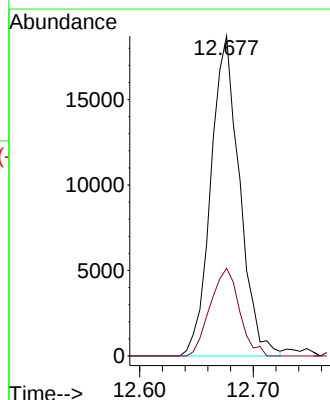
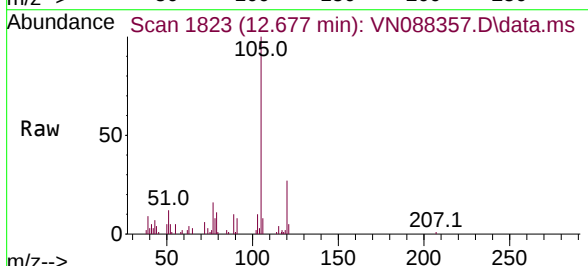
RT: 12.677 min Scan# 1823

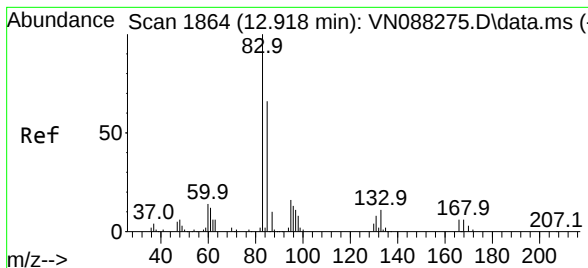
Delta R.T. 0.000 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

Tgt Ion:	105	Resp:	32937
Ion Ratio	Lower	Upper	
105	100		
120	27.6	18.2	33.8





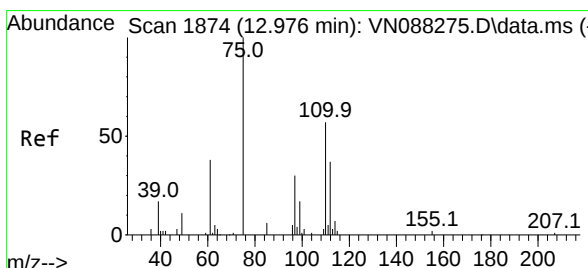
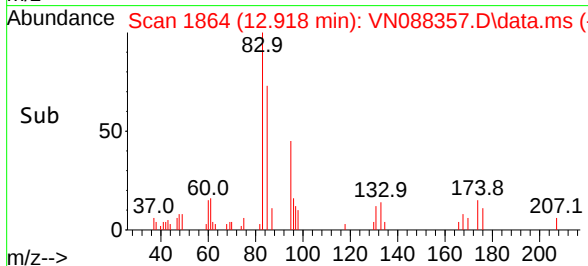
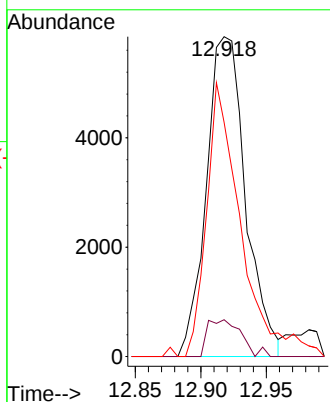
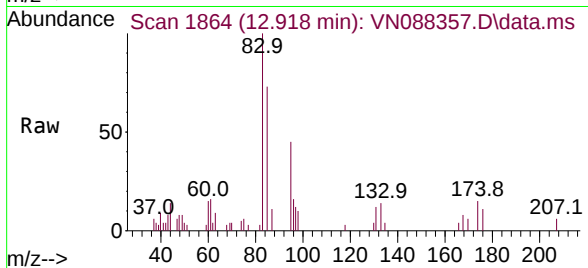
#71
 1,1,2,2-Tetrachloroethane
 Concen: 2.562 ug/l
 RT: 12.918 min Scan# 1864
 Delta R.T. 0.000 min
 Lab File: VN088357.D
 Acq: 25 Nov 2025 13:04

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

Tgt Ion: 83 Resp: 1215
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.3 12.9
 85 71.9 32.4 97.2

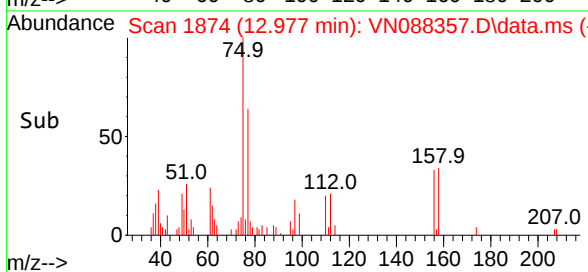
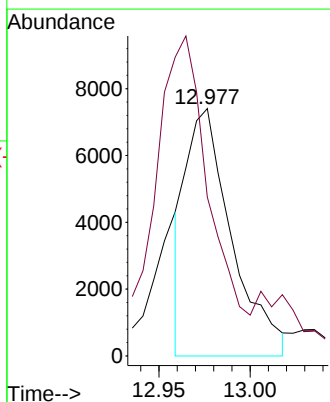
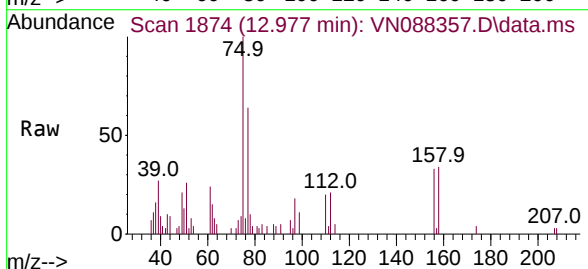
Manual Integrations
 APPROVED

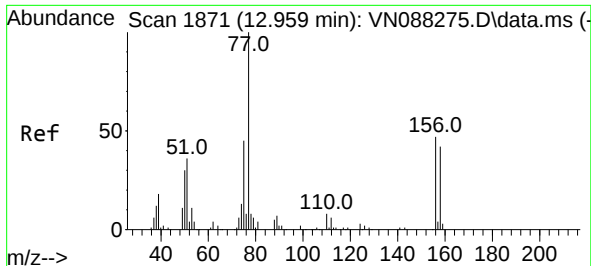
Reviewed By :John Carlone 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025



#72
 1,2,3-Trichloropropane
 Concen: 2.815 ug/l m
 RT: 12.977 min Scan# 1874
 Delta R.T. 0.000 min
 Lab File: VN088357.D
 Acq: 25 Nov 2025 13:04

Tgt Ion: 75 Resp: 12938
 Ion Ratio Lower Upper
 75 100
 77 157.1 0.0 386.6





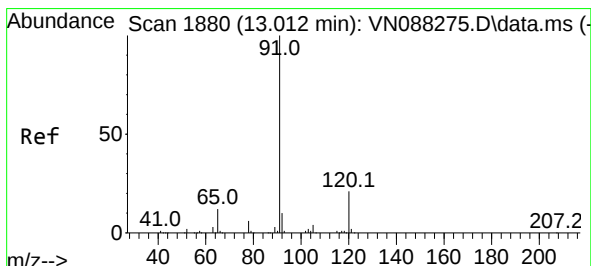
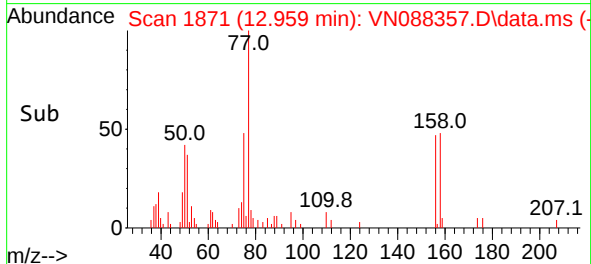
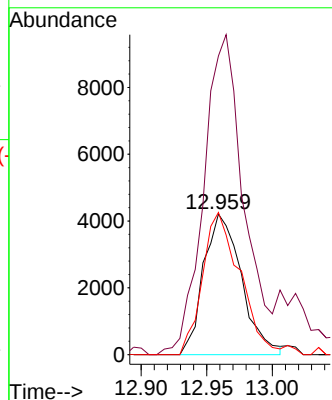
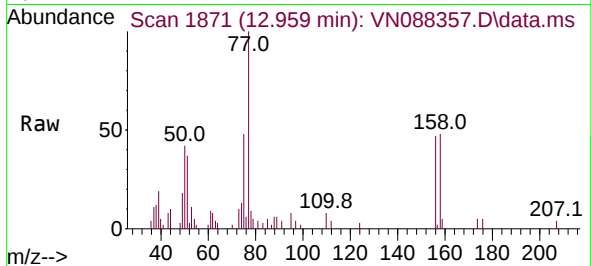
#73
Bromobenzene
Concen: 2.558 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

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

Tgt Ion:156 Resp: 845
Ion Ratio Lower Upper
156 100
77 240.3 0.0 493.4
158 100.1 0.0 193.4

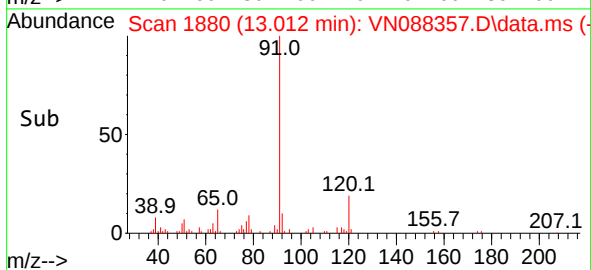
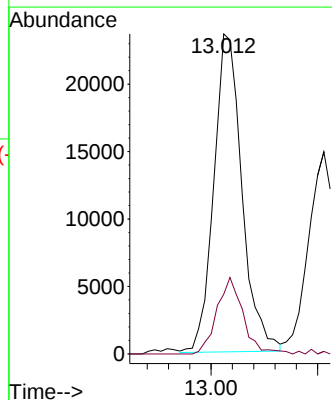
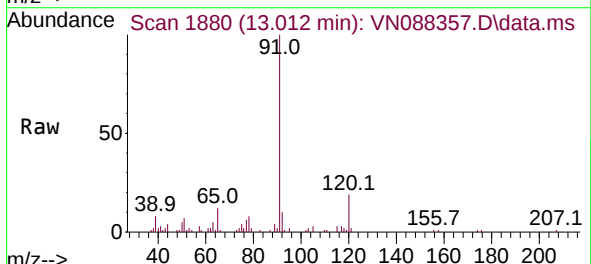
Manual Integrations
APPROVED

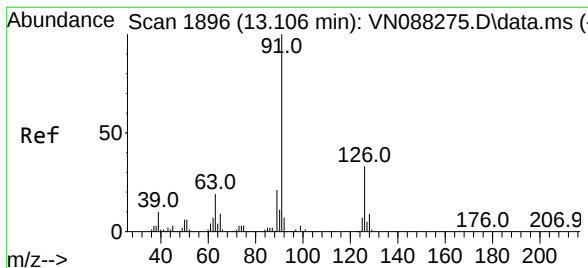
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#74
n-propylbenzene
Concen: 2.389 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

Tgt Ion: 91 Resp: 43303
Ion Ratio Lower Upper
91 100
120 21.5 0.0 43.2





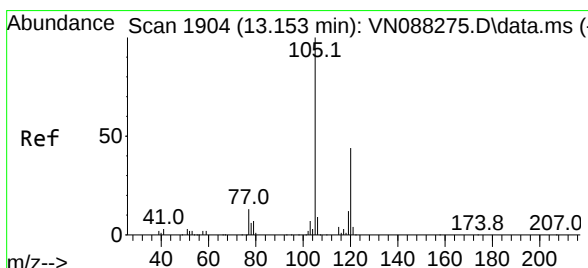
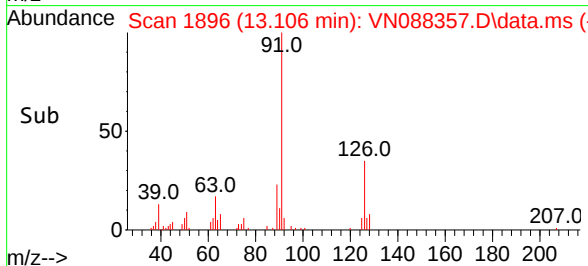
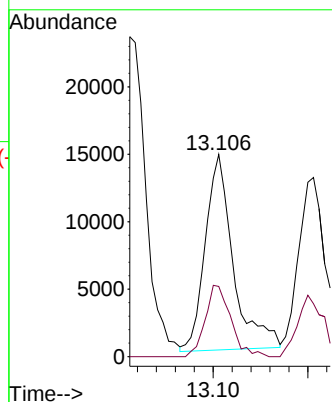
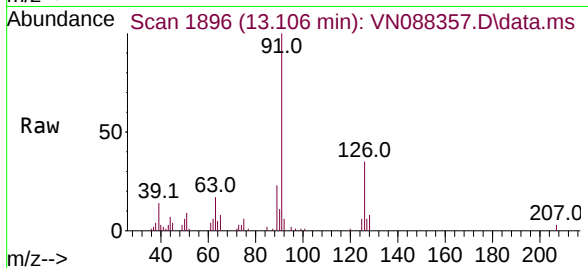
#75
2-Chlorotoluene
Concen: 2.699 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

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

Tgt Ion: 91 Resp: 29745
Ion Ratio Lower Upper
91 100
126 32.5 0.0 62.0

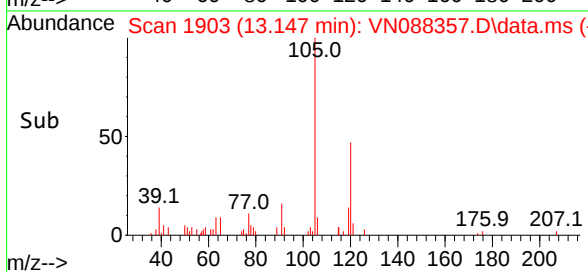
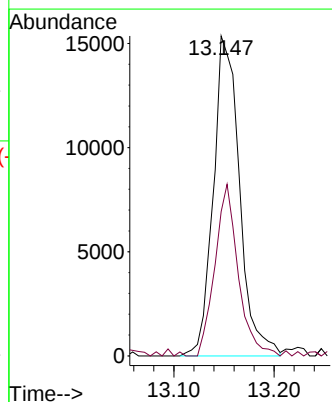
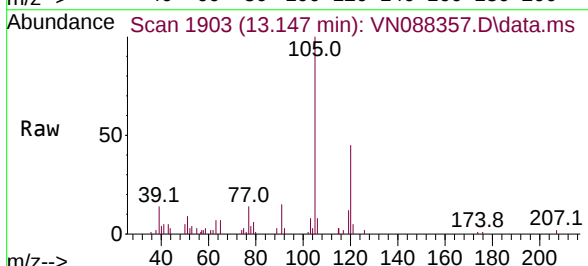
Manual Integrations
APPROVED

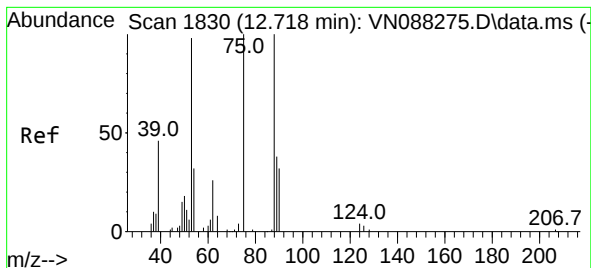
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#76
1,3,5-Trimethylbenzene
Concen: 2.276 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

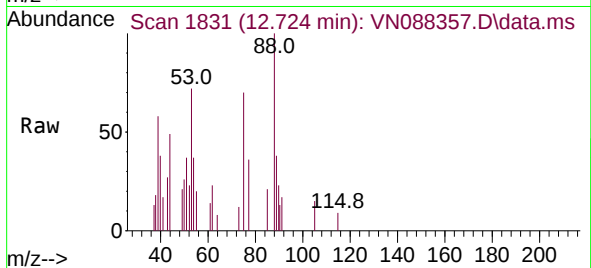
Tgt Ion:105 Resp: 27983
Ion Ratio Lower Upper
105 100
120 47.5 0.0 94.6





#77
t-1,4-Dichloro-2-butene
Concen: 1.739 ug/l
RT: 12.724 min Scan# 1831
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

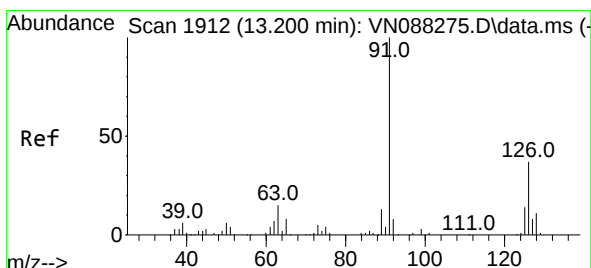
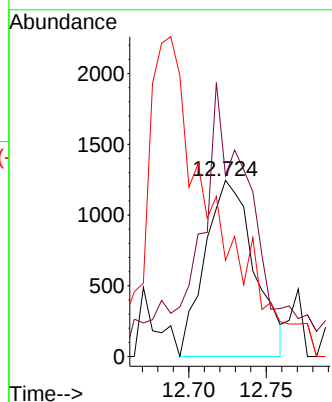
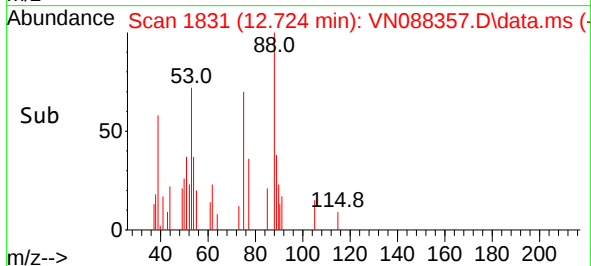
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 75 Resp: 2745
Ion Ratio Lower Upper
75 100
53 75.3 50.0 150.0
89 34.8 22.3 66.9

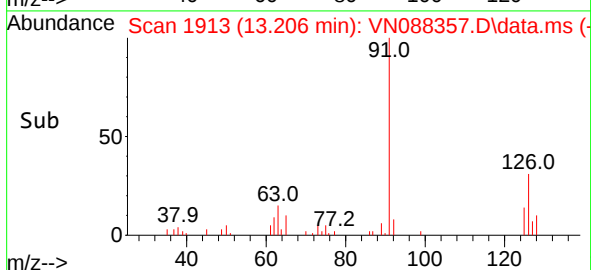
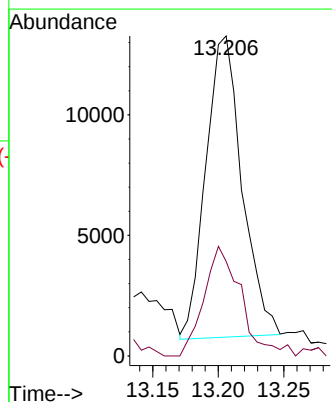
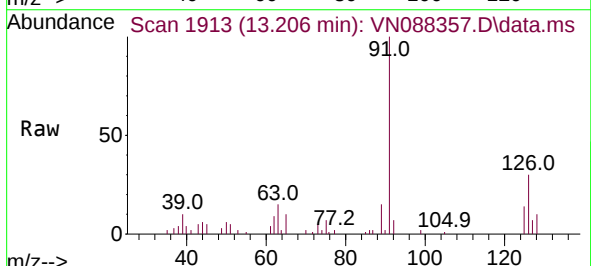
Manual Integrations
APPROVED

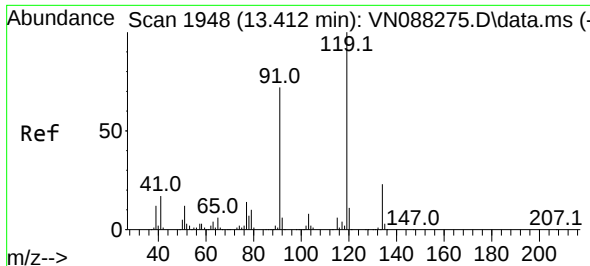
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#78
4-Chlorotoluene
Concen: 2.152 ug/l
RT: 13.206 min Scan# 1913
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

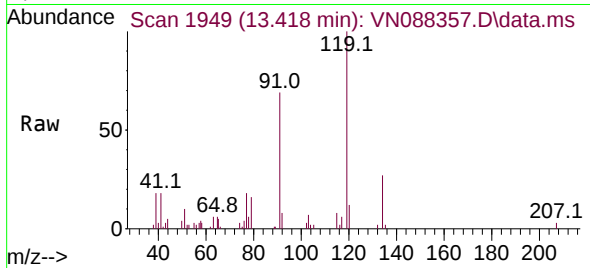
Tgt Ion: 91 Resp: 24034
Ion Ratio Lower Upper
91 100
126 36.5 0.0 60.8





#79
tert-butylbenzene
Concen: 2.267 ug/l
RT: 13.418 min Scan# 1948
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

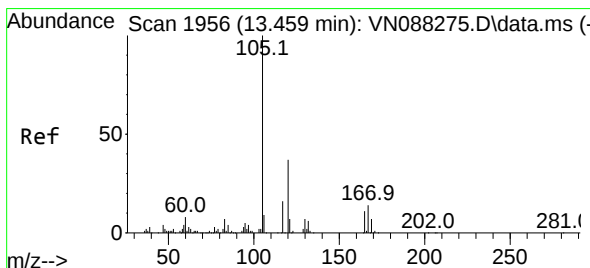
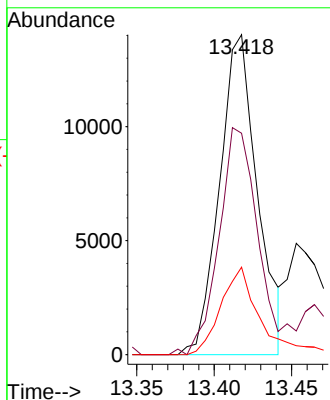
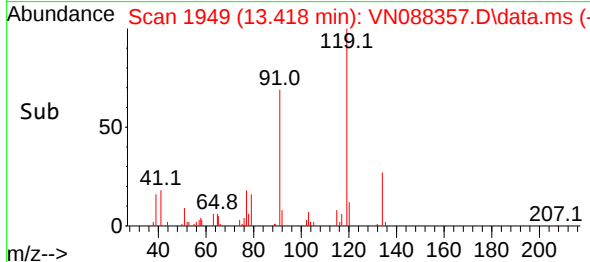
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



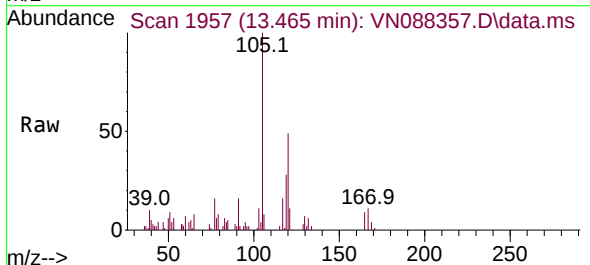
Tgt Ion:119 Resp: 23860
Ion Ratio Lower Upper
119 100
91 70.9 0.0 140.8
134 28.1 0.0 48.4

Manual Integrations
APPROVED

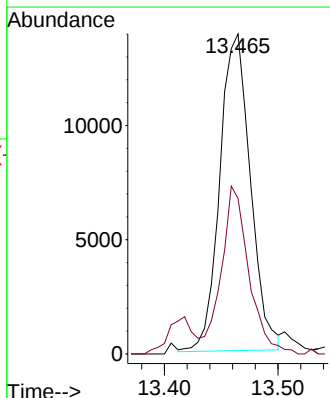
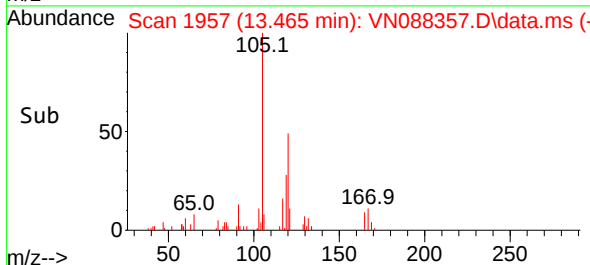
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

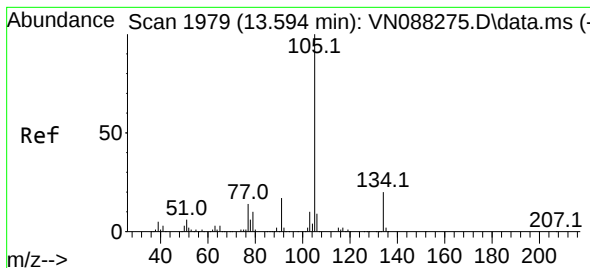


#80
1,2,4-Trimethylbenzene
Concen: 2.123 ug/l
RT: 13.465 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04



Tgt Ion:105 Resp: 25960
Ion Ratio Lower Upper
105 100
120 47.7 0.0 89.2





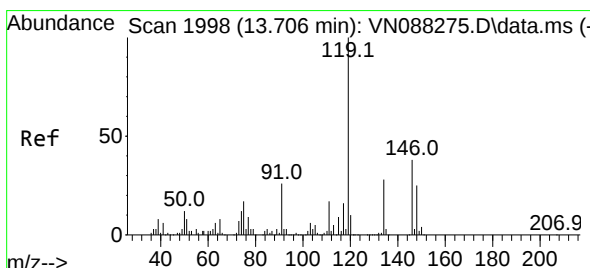
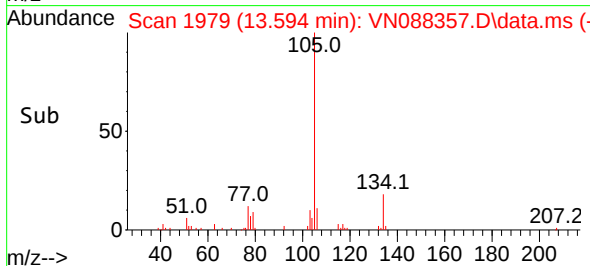
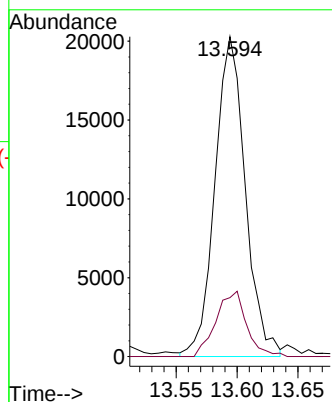
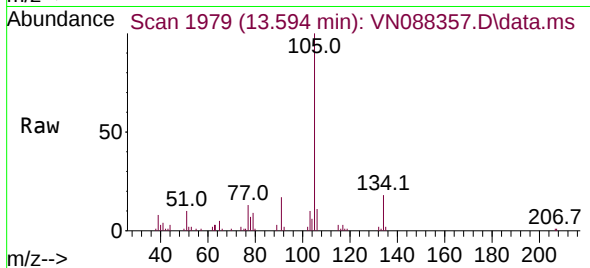
#81
 sec-Butylbenzene
 Concen: 2.293 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN088357.D
 Acq: 25 Nov 2025 13:04

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

Tgt Ion:105 Resp: 35198
 Ion Ratio Lower Upper
 105 100
 134 20.5 0.0 38.4

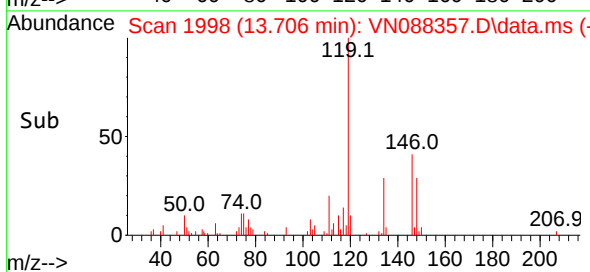
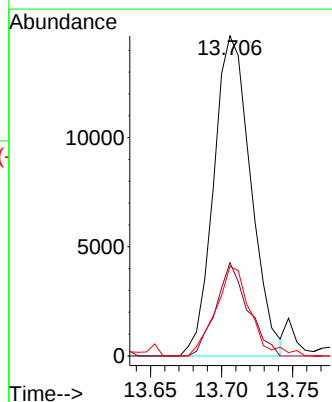
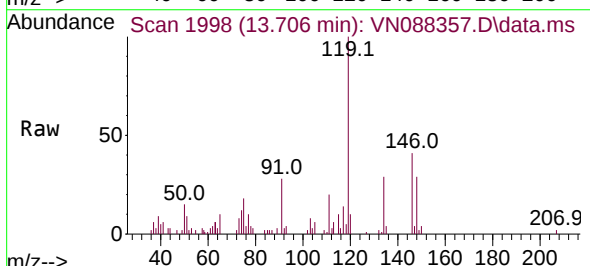
Manual Integrations
 APPROVED

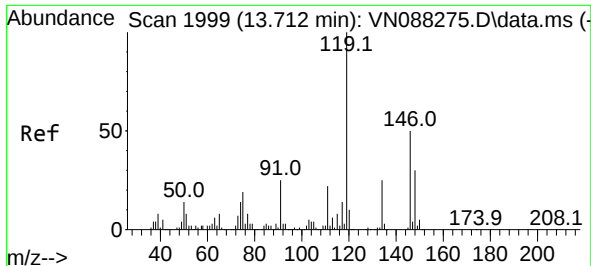
Reviewed By :John Carlone 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025



#82
 p-Isopropyltoluene
 Concen: 2.101 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN088357.D
 Acq: 25 Nov 2025 13:04

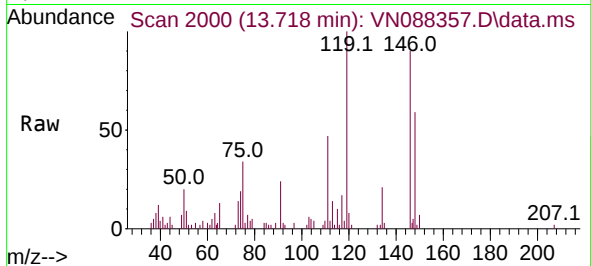
Tgt Ion:119 Resp: 26651
 Ion Ratio Lower Upper
 119 100
 134 25.1 0.0 51.2
 91 25.0 0.0 53.4





#83
1,3-Dichlorobenzene
Concen: 2.576 ug/l
RT: 13.718 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

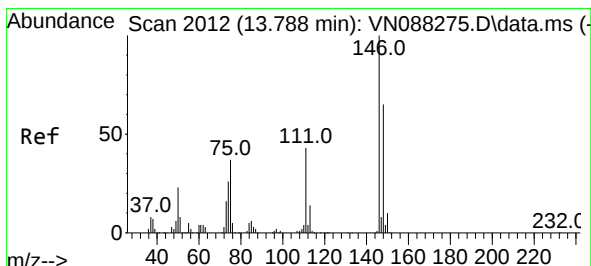
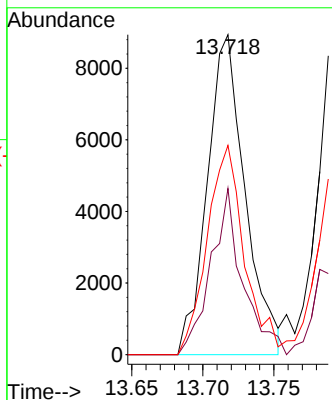
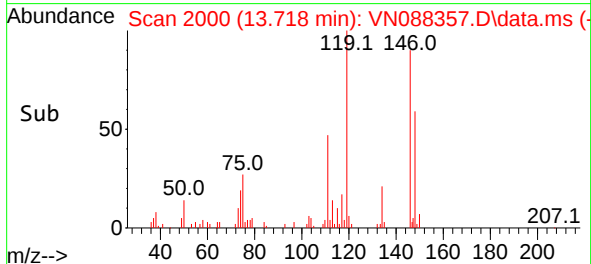
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



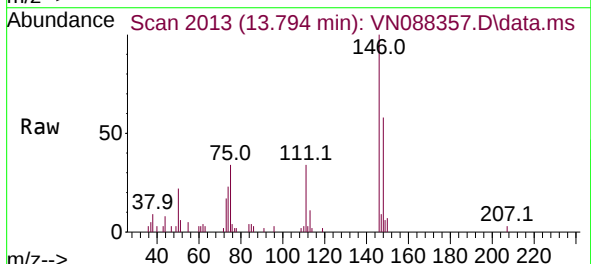
Tgt Ion:146 Resp: 16552
Ion Ratio Lower Upper
146 100
111 42.6 22.1 66.5
148 64.0 31.4 94.3

Manual Integrations
APPROVED

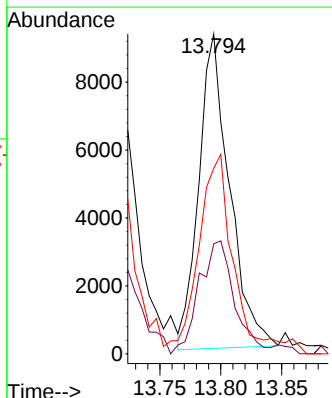
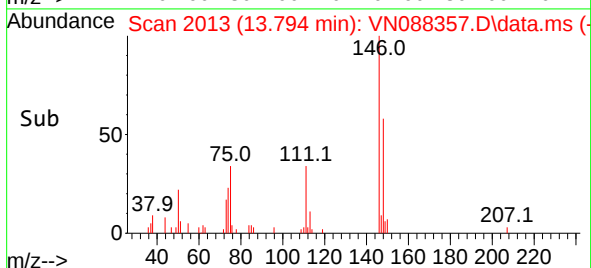
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

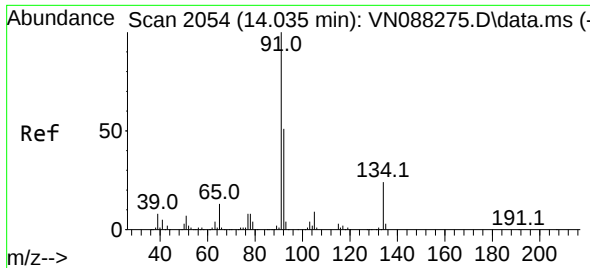


#84
1,4-Dichlorobenzene
Concen: 2.495 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04



Tgt Ion:146 Resp: 16236
Ion Ratio Lower Upper
146 100
111 40.9 21.8 65.3
148 68.7 31.9 95.5





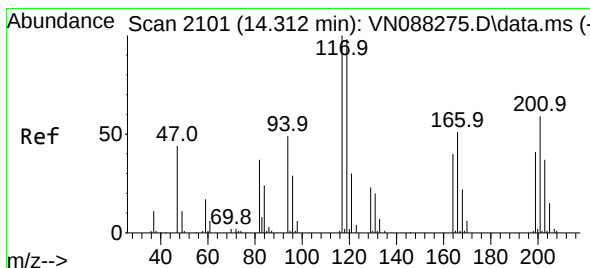
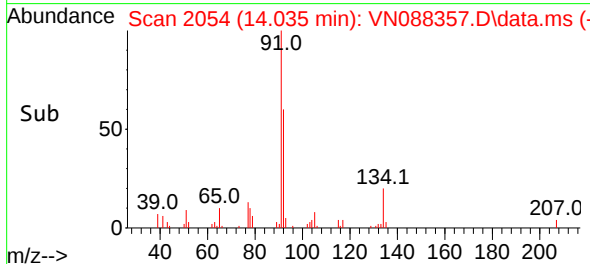
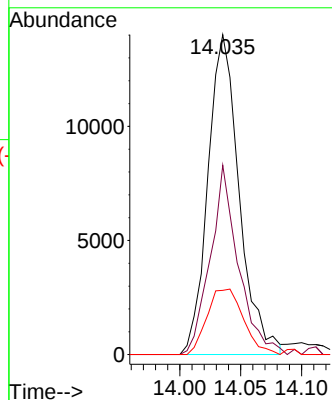
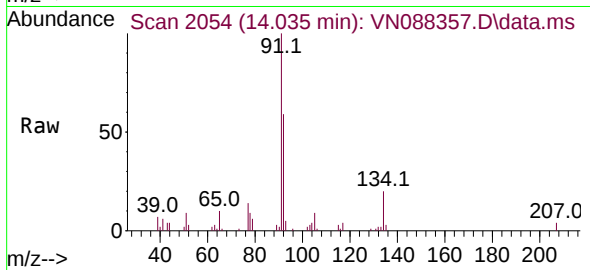
#85
n-Butylbenzene
Concen: 2.079 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

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

Tgt Ion: 91 Resp: 25140
Ion Ratio Lower Upper
91 100
92 53.1 0.0 102.4
134 23.8 0.0 45.8

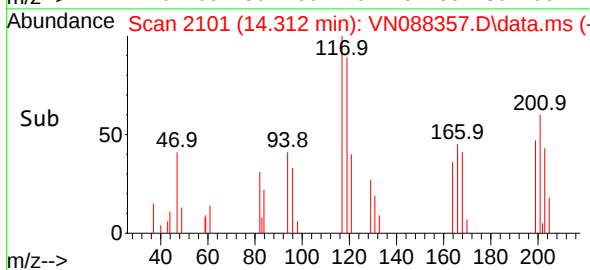
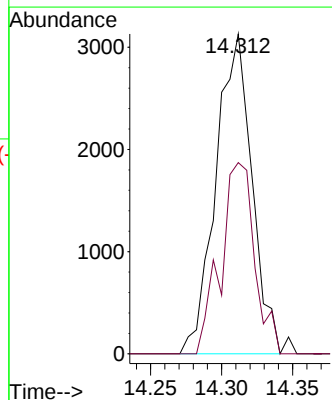
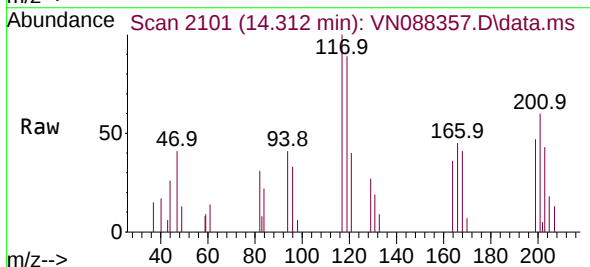
Manual Integrations
APPROVED

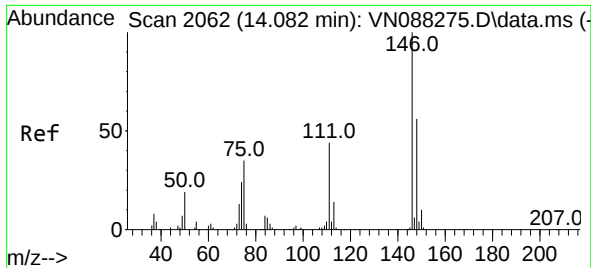
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#86
Hexachloroethane
Concen: 2.272 ug/l
RT: 14.312 min Scan# 2101
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

Tgt Ion:117 Resp: 5519
Ion Ratio Lower Upper
117 100
201 56.4 30.6 92.0





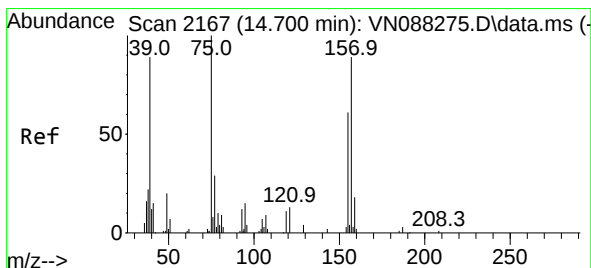
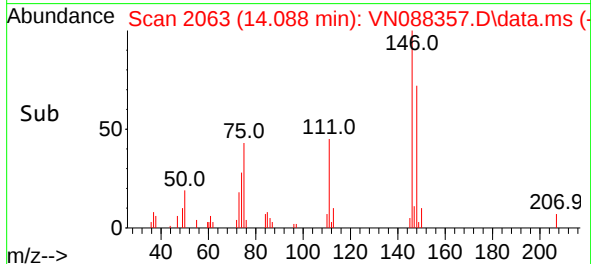
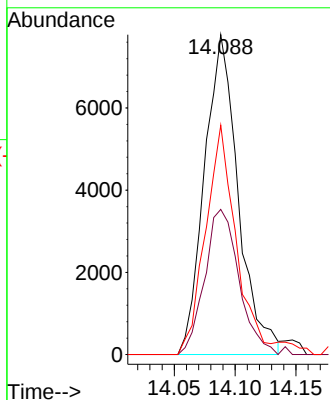
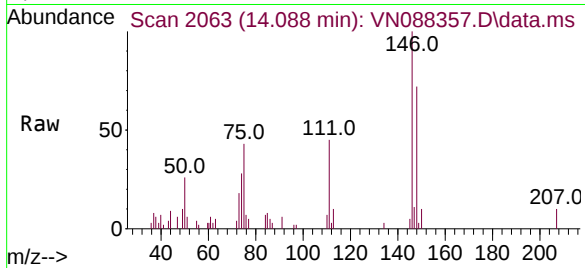
#87
1,2-Dichlorobenzene
Concen: 2.475 ug/l
RT: 14.088 min Scan# 2062
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

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

Tgt Ion:146 Resp: 15009
Ion Ratio Lower Upper
146 100
111 46.1 23.0 69.0
148 64.6 31.1 93.2

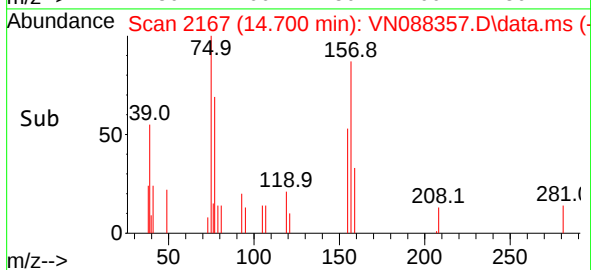
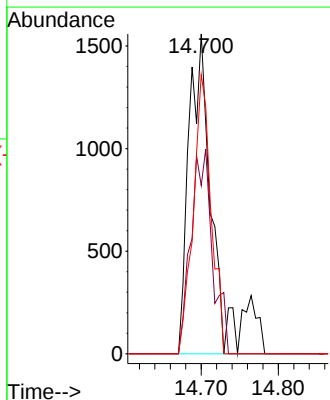
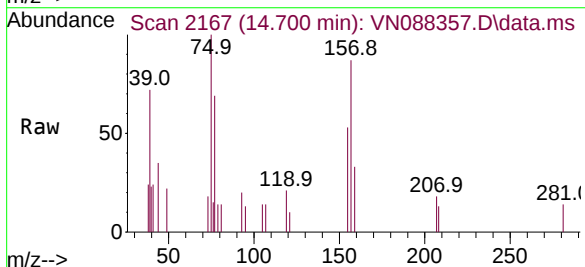
Manual Integrations
APPROVED

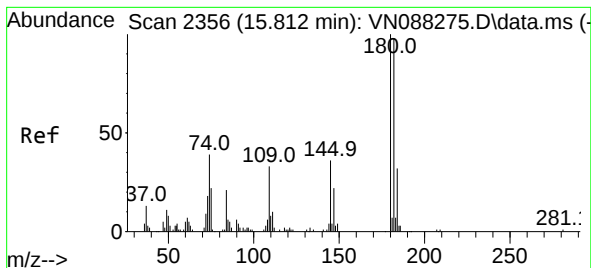
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 3.078 ug/l m
RT: 14.700 min Scan# 2167
Delta R.T. 0.000 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

Tgt Ion: 75 Resp: 3432
Ion Ratio Lower Upper
75 100
155 50.2 54.8 82.2#
157 64.1 70.7 106.1#





#89

1,2,4-Trichlorobenzene

Concen: 2.530 ug/l

RT: 15.818 min Scan# 2356

Delta R.T. 0.006 min

Lab File: VN088357.D

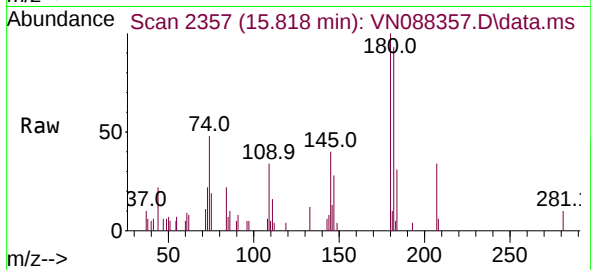
Acq: 25 Nov 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025



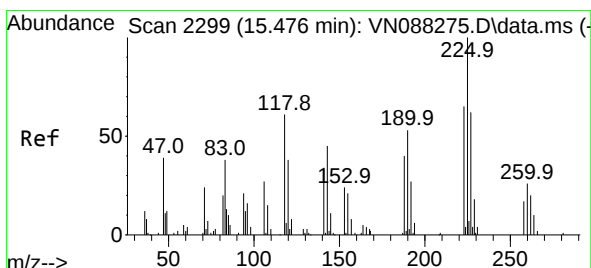
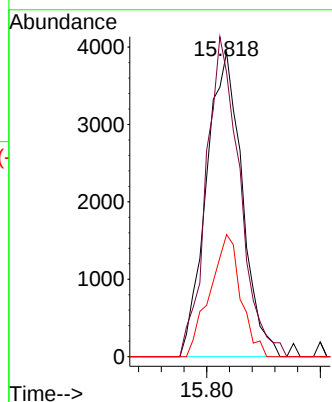
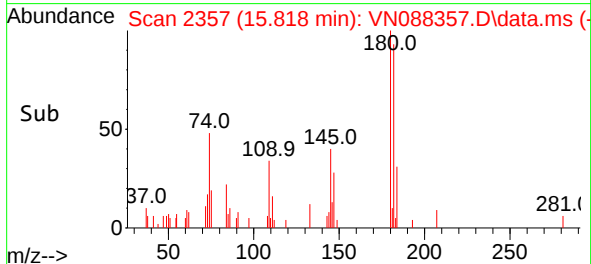
Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	77.3	115.9
145	34.6	30.2	45.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#90

Hexachlorobutadiene

Concen: 2.645 ug/l m

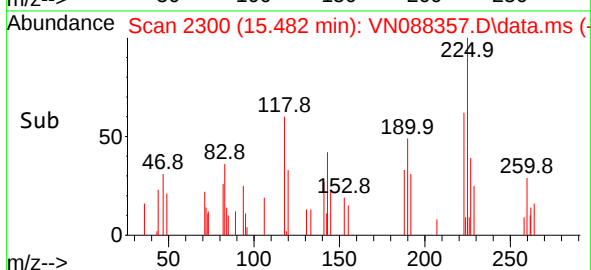
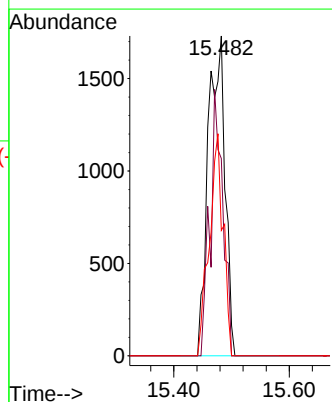
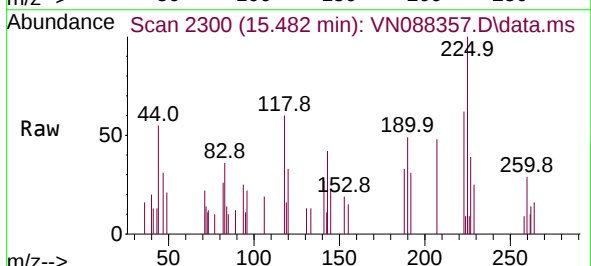
RT: 15.482 min Scan# 2300

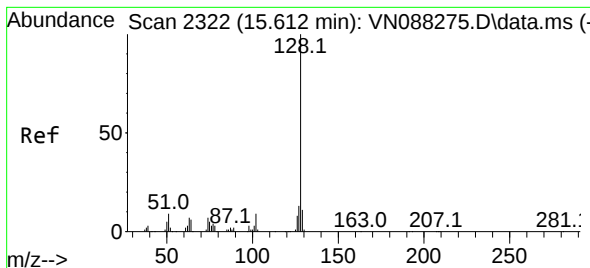
Delta R.T. 0.006 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

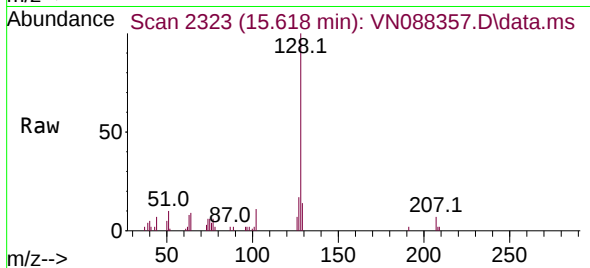
Tgt Ion	Ratio	Lower	Upper
225	100		
223	46.9	0.0	132.0
227	57.5	0.0	132.6





#91
Naphthalene
Concen: 2.168 ug/l
RT: 15.618 min Scan# 2322
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04

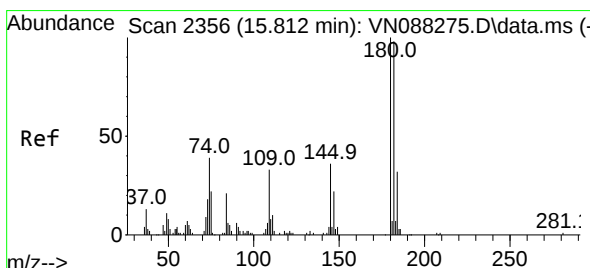
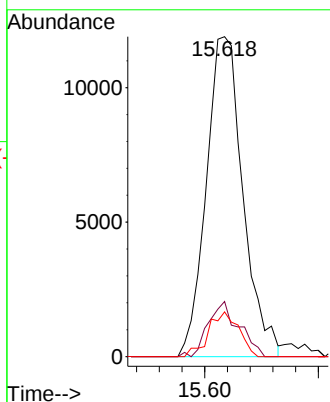
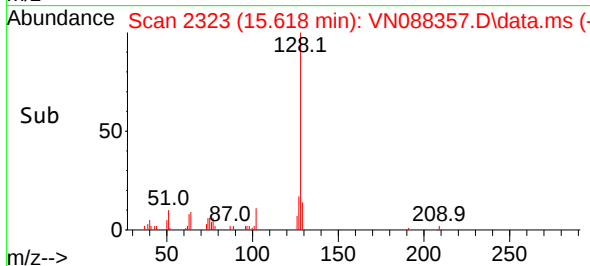
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



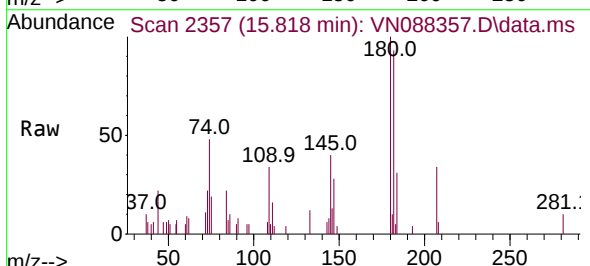
Tgt Ion:128 Resp: 26691
Ion Ratio Lower Upper
128 100
127 11.7 10.6 16.0
129 10.7 8.8 13.2

Manual Integrations
APPROVED

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



#92
1,2,3-Trichlorobenzene
Concen: 2.530 ug/l
RT: 15.818 min Scan# 2357
Delta R.T. 0.006 min
Lab File: VN088357.D
Acq: 25 Nov 2025 13:04



Tgt Ion:180 Resp: 8611
Ion Ratio Lower Upper
180 100
182 98.5 0.0 193.2
145 34.6 0.0 75.6

