

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100925\
 Data File : VN088052.D
 Acq On : 09 Oct 2025 11:20
 Operator : JC\MD
 Sample : Q2893-09 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2025

Quant Time: Oct 10 00:50:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 09 02:36:32 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/10/2025
 Supervised By : Mahesh Dadoda 10/10/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	60629	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	347050	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	305481	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	146890	31.114	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.700%			
60) 4-Bromofluorobenzene	12.829	95	148614	29.510	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.367%			
63) Toluene-d8	10.541	98	418874	30.776	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	7907	2.277	ug/l	79
3) Chloromethane	2.383	50	9262	2.353	ug/l	98
4) Vinyl Chloride	2.536	62	9820	2.392	ug/l	99
5) Bromomethane	2.995	94	6778m	3.070	ug/l	
6) Chloroethane	3.136	64	6852	2.530	ug/l	90
7) Trichlorofluoromethane	3.518	101	13326	2.387	ug/l	92
8) Diethyl Ether	3.953	74	6837m	2.711	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.377	101	7676m	2.569	ug/l	
10) 1,1-Dichloroethene	4.341	96	9167	2.876	ug/l	82
11) Methyl Iodide	4.583	142	5684m	1.935	ug/l	
12) Methyl Acetate	5.012	43	14260m	2.752	ug/l	
13) Acrolein	4.177	56	11656m	14.534	ug/l	
14) Acrylonitrile	5.706	53	28342	11.333	ug/l	97
15) Acetone	4.424	58	8829	12.055	ug/l	72
16) Carbon Disulfide	4.706	76	25187	2.520	ug/l #	94
17) Allyl chloride	5.018	41	15349	2.552	ug/l	87
18) Methylene Chloride	5.271	84	10281	2.537	ug/l	91
19) trans-1,2-Dichloroethene	5.777	96	10511m	2.852	ug/l	
20) Diisopropyl ether	6.659	45	33752	2.465	ug/l	94
21) 1,1-Dichloroethane	6.553	63	19035	2.670	ug/l	92
22) cis-1,2-Dichloroethene	7.477	96	12265m	2.658	ug/l	
23) tert-Butyl Alcohol	5.512	59	10805	10.772	ug/l #	100
24) Methyl tert-Butyl Ether	5.777	73	35691m	2.594	ug/l	
25) Chloroform	7.947	83	18652	2.535	ug/l	88
26) Cyclohexane	8.241	56	14407	2.439	ug/l #	98
29) 1,1-Dichloropropene	8.353	75	11804	2.373	ug/l	94
30) 2-Butanone	7.477	43	39679	10.815	ug/l	97
31) 2,2-Dichloropropane	7.477	77	15764	2.459	ug/l	93
32) 1,1,1-Trichloroethane	8.153	97	15020	2.416	ug/l	97
33) Carbon Tetrachloride	8.347	117	12556	2.412	ug/l #	88
34) Benzene	8.582	78	38886	2.357	ug/l #	49
35) Methacrylonitrile	7.765	41	9138	2.368	ug/l #	72
36) 1,2-Dichloroethane	8.653	62	14337	2.503	ug/l #	82
37) Trichloroethene	9.341	130	8615m	2.204	ug/l	
38) Methylcyclohexane	9.576	83	15349	2.498	ug/l	96
39) 1,2-Dichloropropane	9.606	63	10466	2.530	ug/l	90
40) Dibromomethane	9.688	93	7575	2.515	ug/l	87
41) Bromodichloromethane	9.859	83	15198m	2.471	ug/l	
42) Vinyl Acetate	6.594	43	141748	11.341	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	17601m	2.496	ug/l	
44) Isopropyl Acetate	8.677	43	25197	2.187	ug/l	93
45) 1,4-Dioxane	9.682	88	3574m	46.650	ug/l	
46) Methyl methacrylate	9.665	41	11808m	2.328	ug/l	
47) n-amyl Acetate	12.847	43	17233m	3.156	ug/l	
48) t-1,3-Dichloropropene	10.812	75	16197	2.368	ug/l	94
49) cis-1,3-Dichloropropene	10.288	75	17137	2.402	ug/l	98
50) 1,1,2-Trichloroethane	11.000	97	9305	2.333	ug/l	94
51) Ethyl methacrylate	10.859	69	15768m	2.336	ug/l	
52) 1,3-Dichloropropane	11.141	76	17530	2.519	ug/l	98
53) Dibromochloromethane	11.335	129	10354	2.172	ug/l	97
54) 1,2-Dibromoethane	11.447	107	10208	2.394	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	32744	8.988	ug/l	98
56) Bromoform	12.564	173	6353	1.971	ug/l	95
58) 4-Methyl-2-Pentanone	10.423	43	76700	11.225	ug/l	96
59) 2-Hexanone	11.182	43	39186	8.686	ug/l	91
61) Tetrachloroethene	11.076	164	8129	2.628	ug/l	89
62) Toluene	10.606	91	42377	2.446	ug/l	96
64) Chlorobenzene	11.870	112	27423	2.478	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.941	131	8615	2.259	ug/l	83
66) Ethyl Benzene	11.941	91	44453	2.359	ug/l	92
67) m/p-Xylenes	12.053	106	34523	4.753	ug/l	98
68) o-Xylene	12.376	106	17069	2.361	ug/l	99
69) Styrene	12.394	104	26140	2.185	ug/l	98
70) Isopropylbenzene	12.676	105	42663	2.407	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.917	83	13167	2.191	ug/l	100
72) 1,2,3-Trichloropropane	12.976	75	14598m	2.616	ug/l	
73) Bromobenzene	12.959	156	9758	2.253	ug/l	96
74) n-propylbenzene	13.012	91	50827	2.376	ug/l	96
75) 2-Chlorotoluene	13.100	91	32176	2.460	ug/l	97
76) 1,3,5-Trimethylbenzene	13.147	105	35736	2.374	ug/l	95
77) t-1,4-Dichloro-2-butene	12.723	75	5316m	2.391	ug/l	
78) 4-Chlorotoluene	13.200	91	32004	2.408	ug/l	100
79) tert-butylbenzene	13.411	119	31238	2.394	ug/l	97
80) 1,2,4-Trimethylbenzene	13.459	105	34595	2.296	ug/l	98
81) sec-Butylbenzene	13.594	105	44904	2.447	ug/l	97
82) p-Isopropyltoluene	13.706	119	36189	2.310	ug/l	97
83) 1,3-Dichlorobenzene	13.717	146	17759	2.179	ug/l	91
84) 1,4-Dichlorobenzene	13.794	146	19640	2.337	ug/l	98
85) n-Butylbenzene	14.035	91	35413	2.430	ug/l	96
86) Hexachloroethane	14.306	117	6612	2.107	ug/l	99
87) 1,2-Dichlorobenzene	14.088	146	18495	2.307	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.706	75	2719m	1.970	ug/l	
89) 1,2,4-Trichlorobenzene	15.817	180	10573	2.214	ug/l	97
90) Hexachlorobutadiene	15.470	225	4074	2.451	ug/l	93
91) Naphthalene	15.617	128	37538	2.147	ug/l	99
92) 1,2,3-Trichlorobenzene	15.817	180	10573	2.214	ug/l	97

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

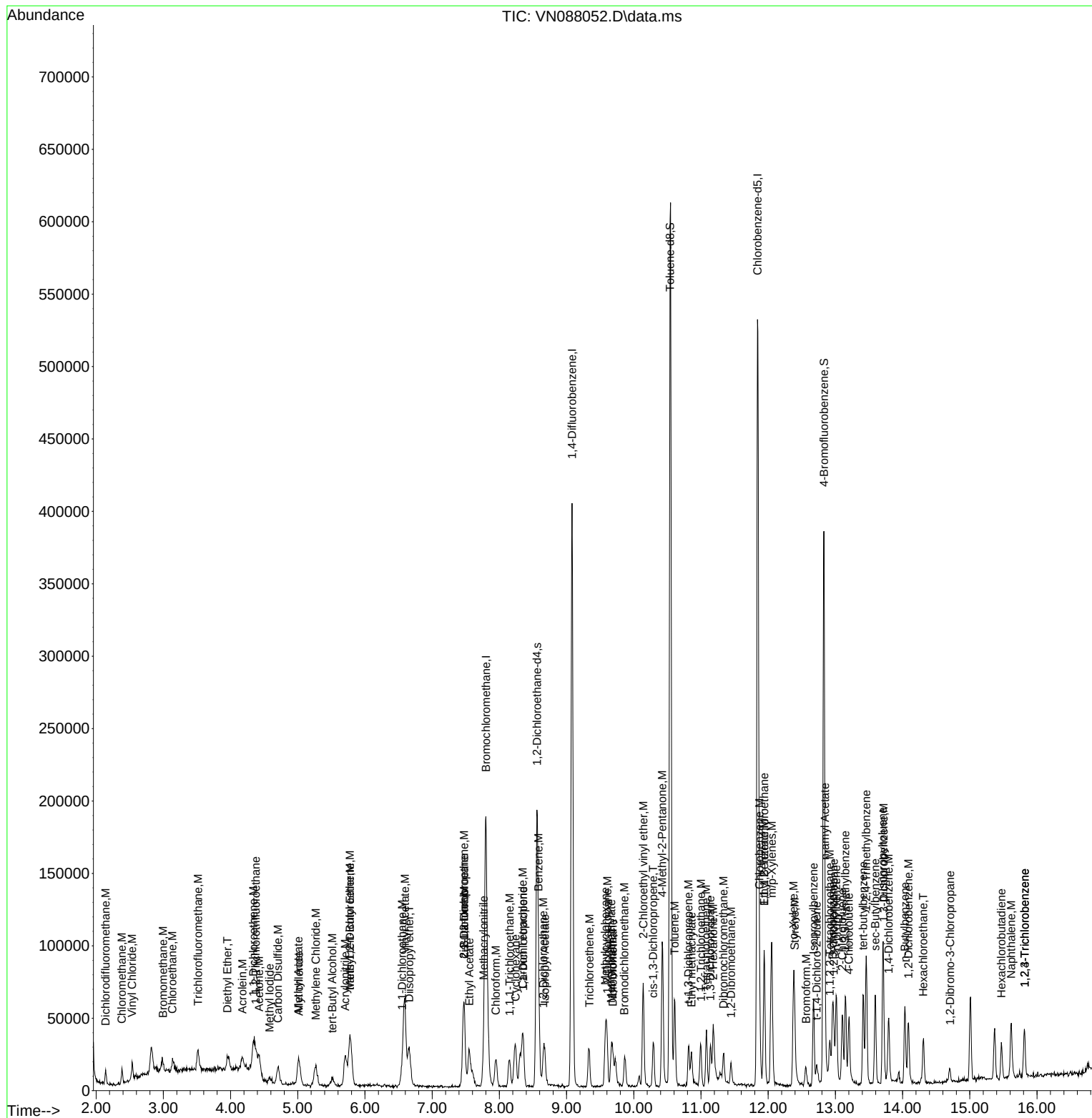
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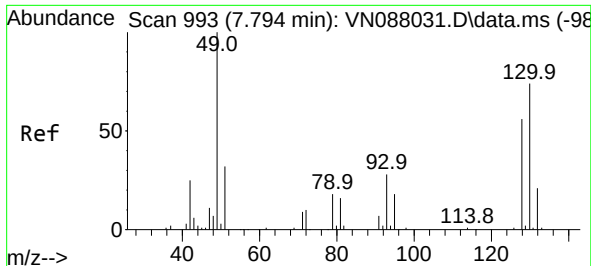
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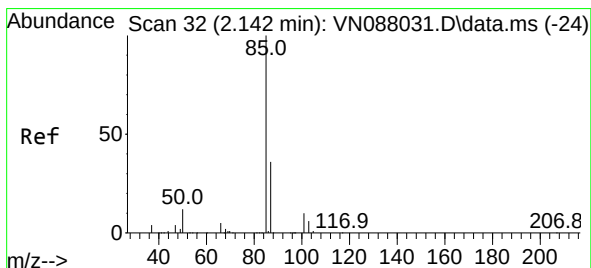
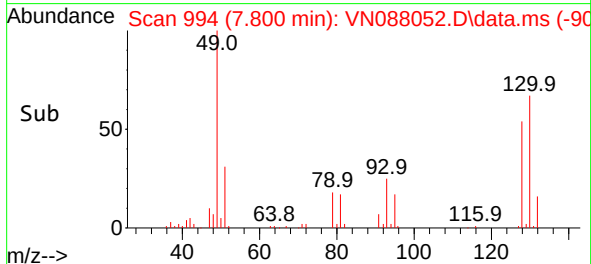
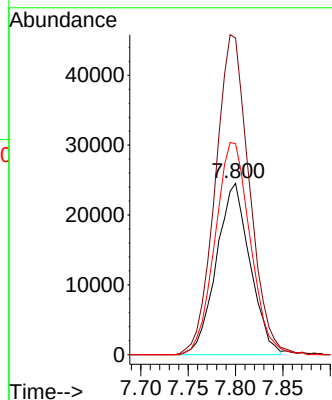
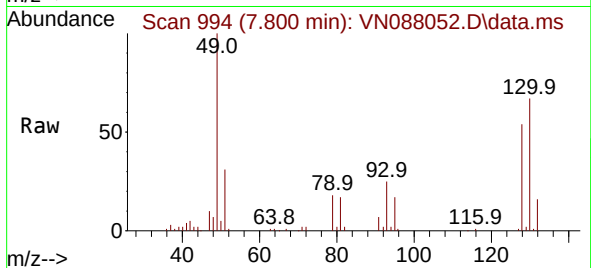
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Instrument :
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ClientSampleId :
MDL-WATER-03-QT3-2025

Tgt Ion:128 Resp: 60629
Ion Ratio Lower Upper
128 100
49 189.4 0.0 439.8
130 129.7 0.0 325.8

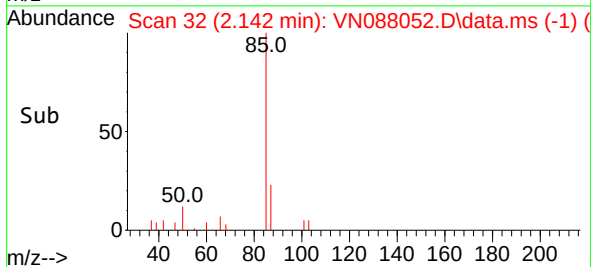
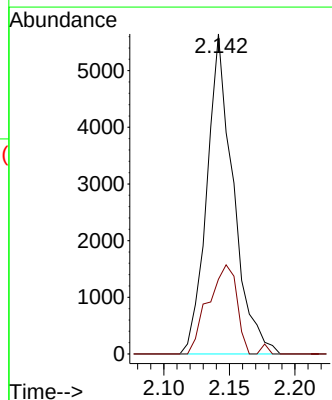
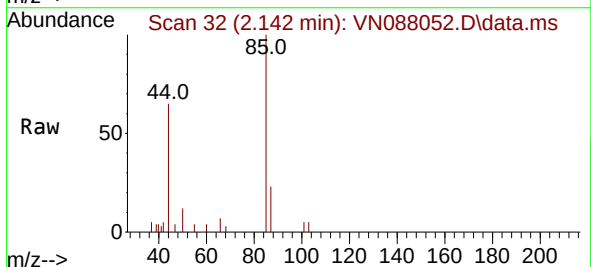
Manual Integrations
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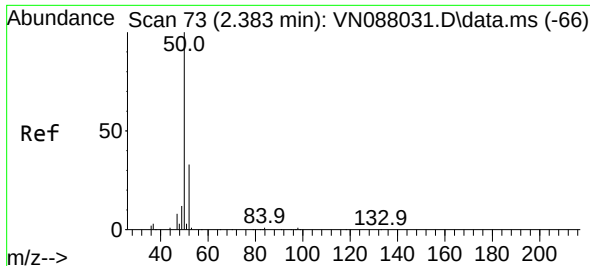
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 2.277 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

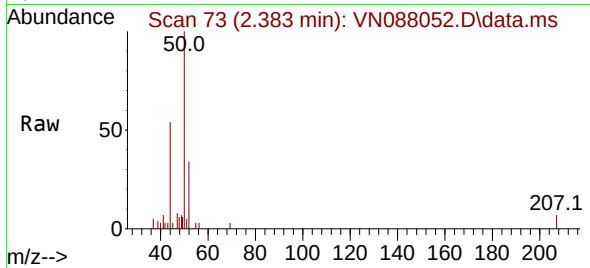
Tgt Ion: 85 Resp: 7907
Ion Ratio Lower Upper
85 100
87 23.4 17.9 53.8





#3
Chloromethane
Concen: 2.353 ug/l
RT: 2.383 min Scan# 73
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

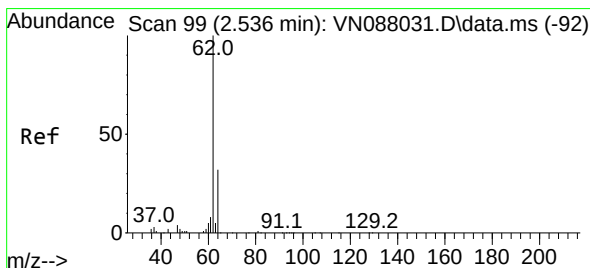
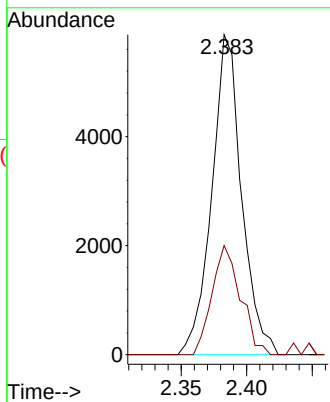
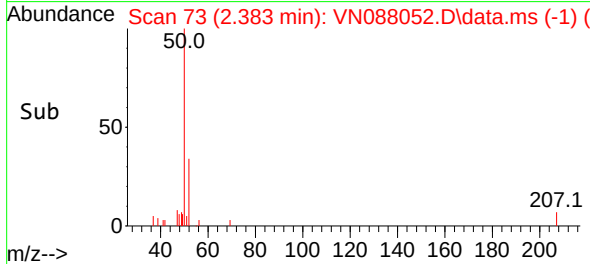
Instrument :
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Tgt Ion: 50 Resp: 926
Ion Ratio Lower Upper
50 100
52 34.1 26.3 39.5

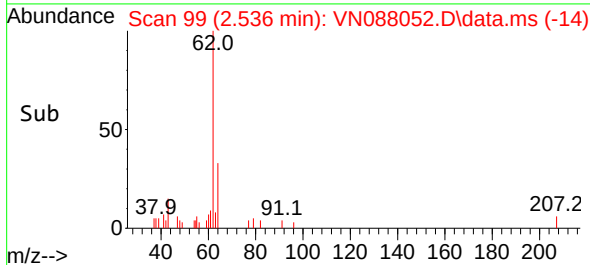
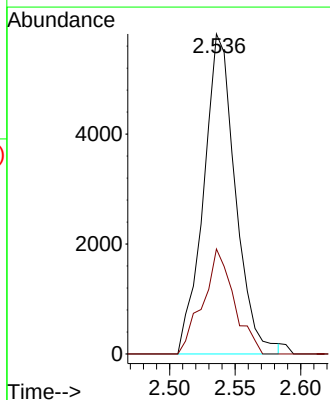
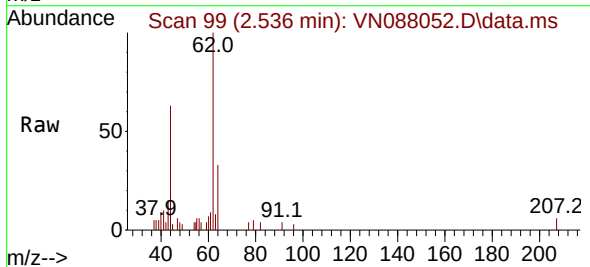
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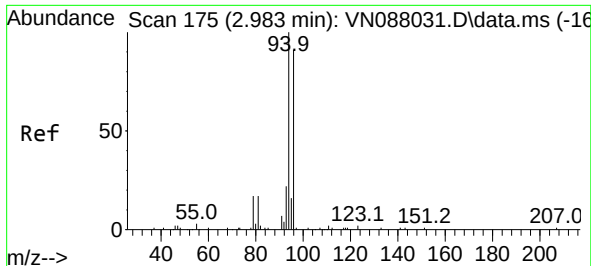
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#4
Vinyl Chloride
Concen: 2.392 ug/l
RT: 2.536 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

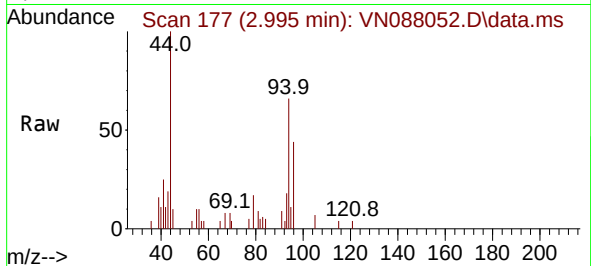
Tgt Ion: 62 Resp: 9820
Ion Ratio Lower Upper
62 100
64 32.8 25.7 38.5





#5
Bromomethane
Concen: 3.070 ug/l m
RT: 2.995 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

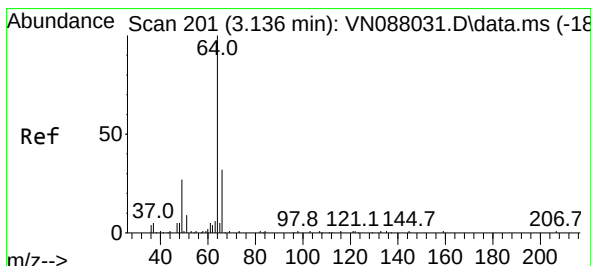
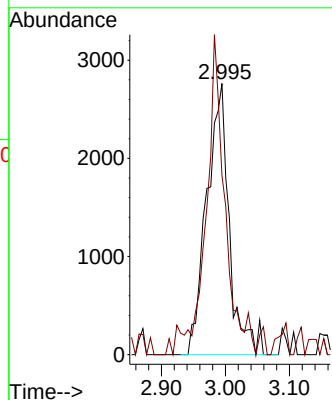
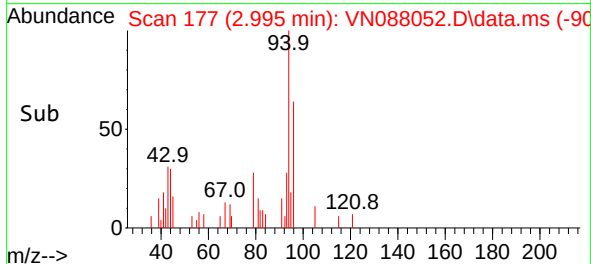
Instrument :
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Tgt Ion: 94 Resp: 6778
Ion Ratio Lower Upper
94 100
96 66.1 73.0 109.4

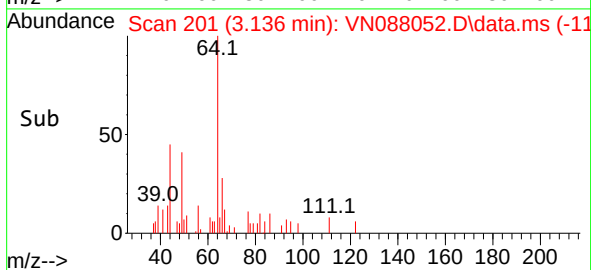
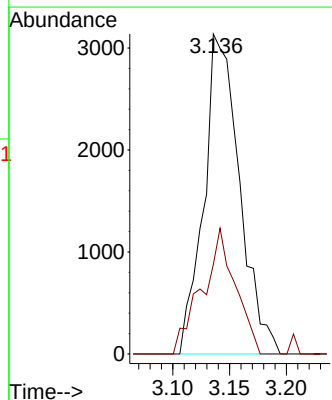
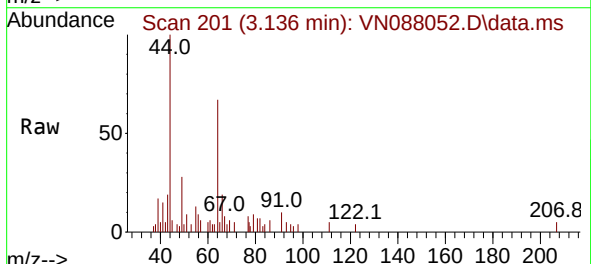
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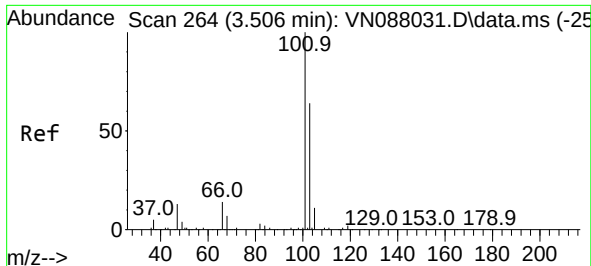
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#6
Chloroethane
Concen: 2.530 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

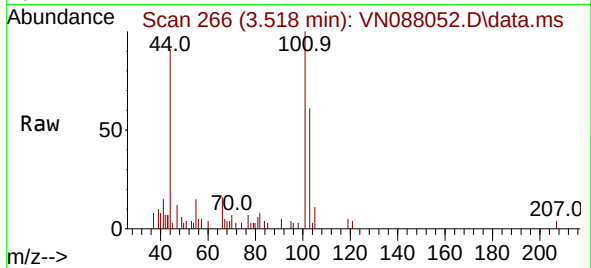
Tgt Ion: 64 Resp: 6852
Ion Ratio Lower Upper
64 100
66 28.0 26.8 40.2





#7
 Trichlorofluoromethane
 Concen: 2.387 ug/l
 RT: 3.518 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: VN088052.D
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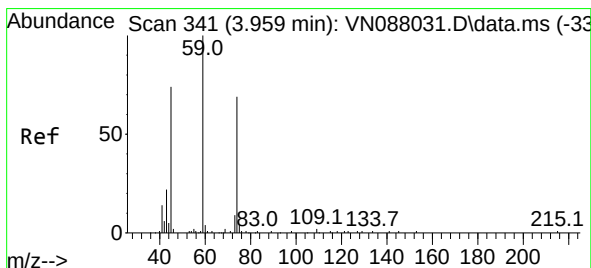
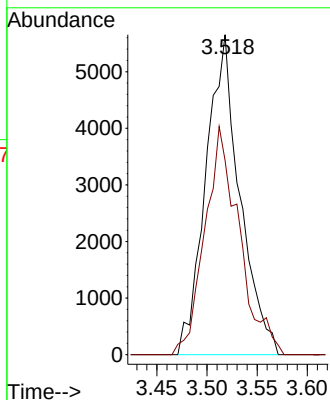
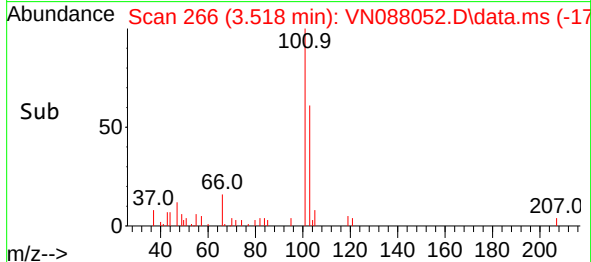
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2025



Tgt Ion:101 Resp: 13320
 Ion Ratio Lower Upper
 101 100
 103 57.7 51.0 76.4

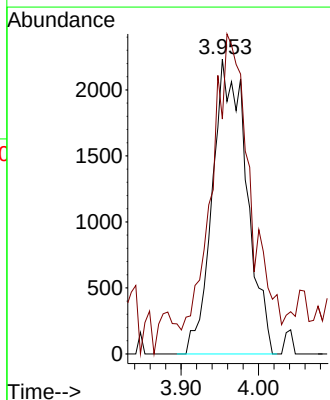
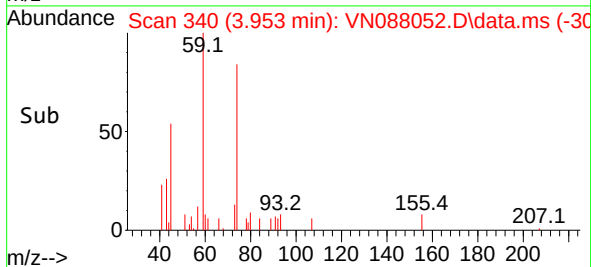
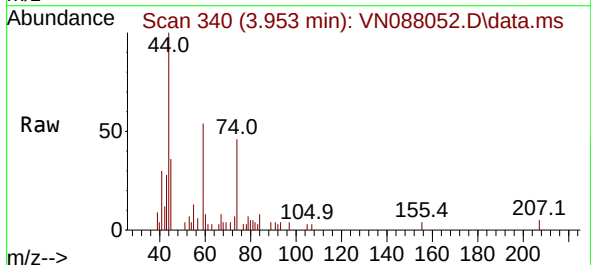
Manual Integrations
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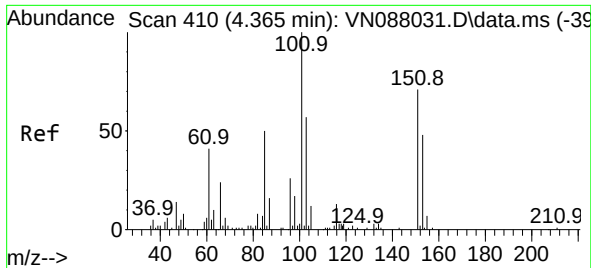
Reviewed By :John Carlone 10/10/2025
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#8
 Diethyl Ether
 Concen: 2.711 ug/l m
 RT: 3.953 min Scan# 340
 Delta R.T. -0.006 min
 Lab File: VN088052.D
 Acq: 09 Oct 2025 11:20

Tgt Ion: 74 Resp: 6837
 Ion Ratio Lower Upper
 74 100
 45 95.2 20.4 183.8





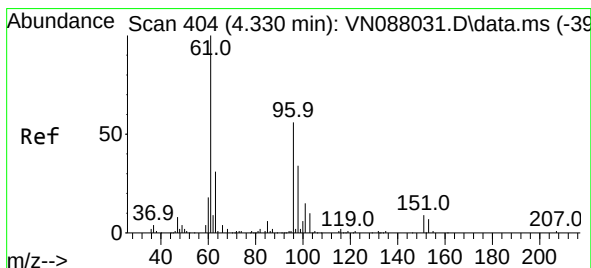
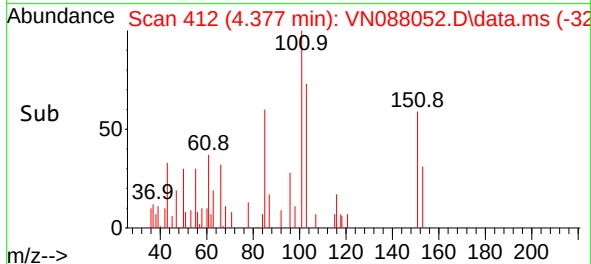
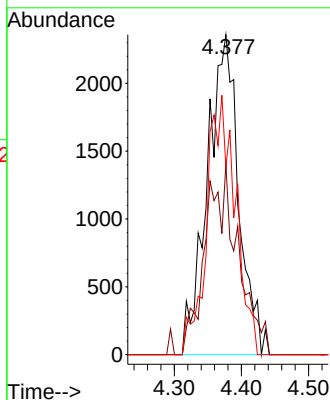
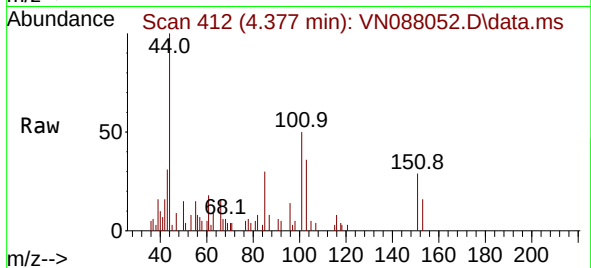
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.569 ug/l m
RT: 4.377 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

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ClientSampleId :
MDL-WATER-03-QT3-2025

Tgt Ion:101 Resp: 7670
Ion Ratio Lower Upper
101 100
85 13.9 0.0 103.2
151 0.0 0.0 141.4

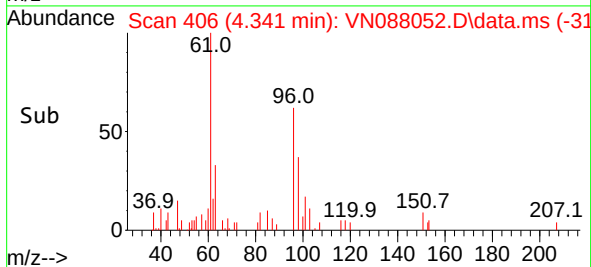
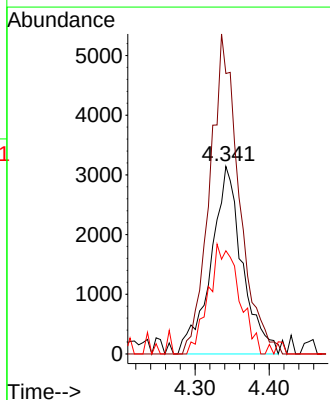
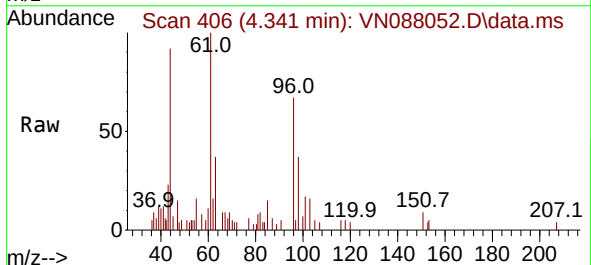
Manual Integrations
APPROVED

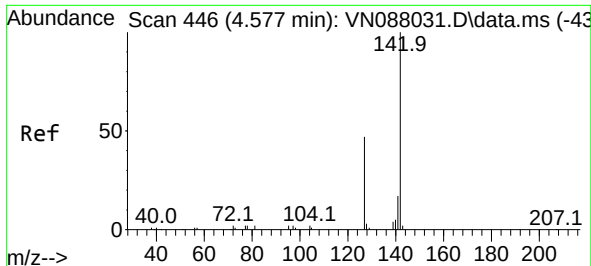
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#10
1,1-Dichloroethene
Concen: 2.876 ug/l
RT: 4.341 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

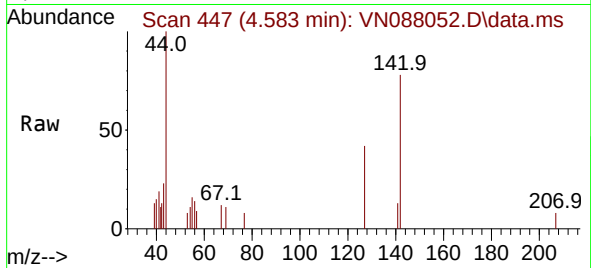
Tgt Ion: 96 Resp: 9167
Ion Ratio Lower Upper
96 100
61 149.5 144.1 216.1
98 55.1 49.0 73.6





#11
Methyl Iodide
Concen: 1.935 ug/l m
RT: 4.583 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

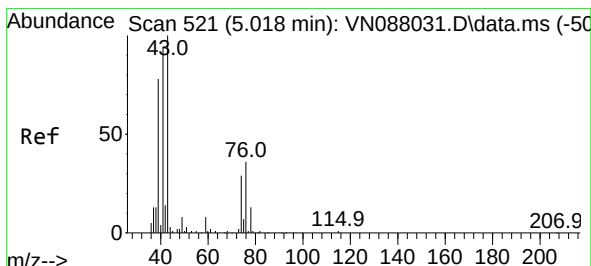
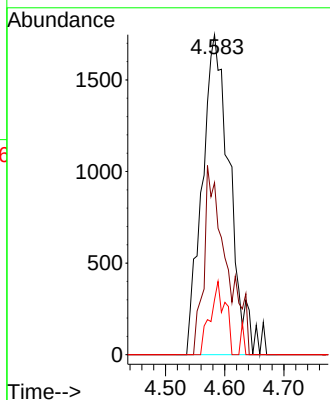
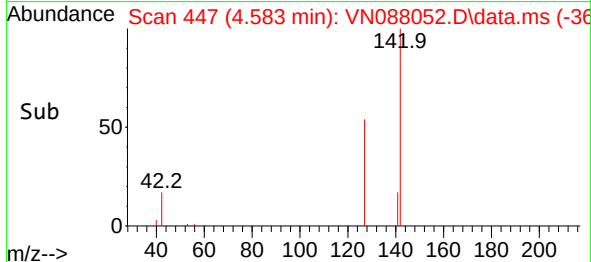
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025



Tgt Ion:142 Resp: 5684
Ion Ratio Lower Upper
142 100
127 53.7 23.4 70.3
141 17.2 8.8 26.2

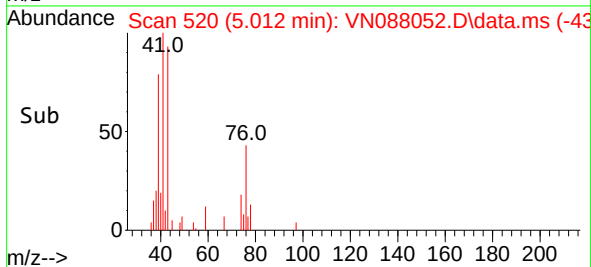
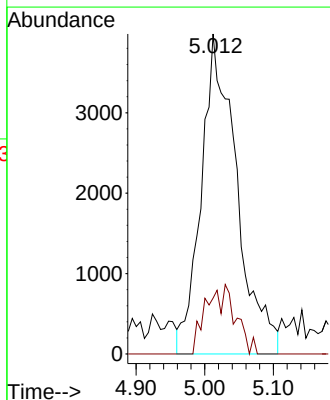
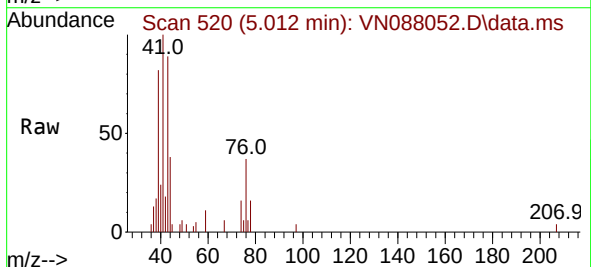
Manual Integrations
APPROVED

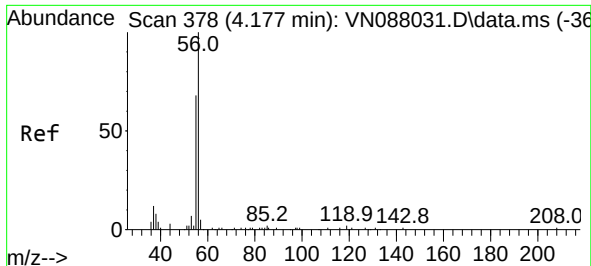
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#12
Methyl Acetate
Concen: 2.752 ug/l m
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

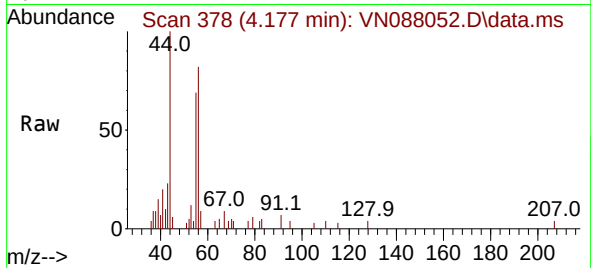
Tgt Ion: 43 Resp: 14260
Ion Ratio Lower Upper
43 100
74 17.5 23.3 34.9#





#13
Acrolein
Concen: 14.534 ug/l m
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

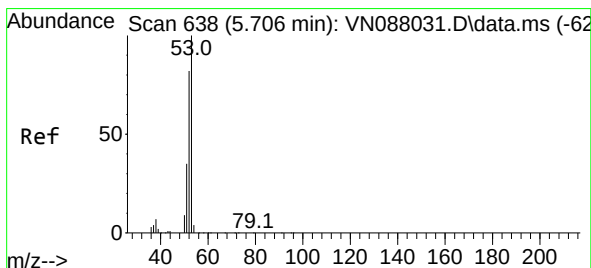
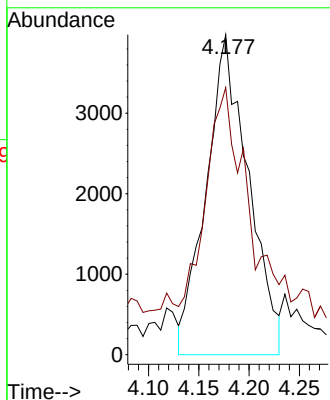
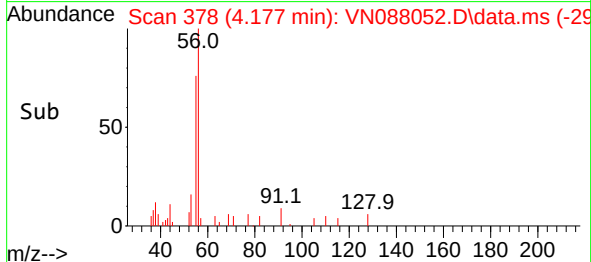
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025



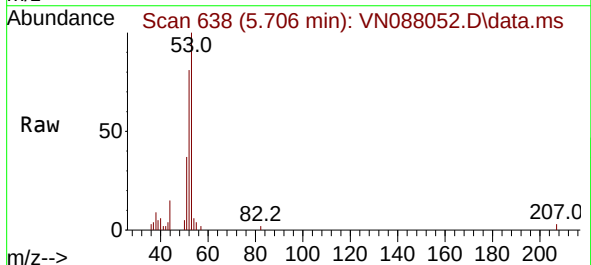
Tgt Ion: 56 Resp: 11650
Ion Ratio Lower Upper
56 100
55 45.3 0.3 0.5

Manual Integrations
APPROVED

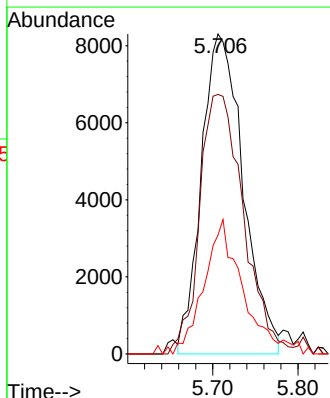
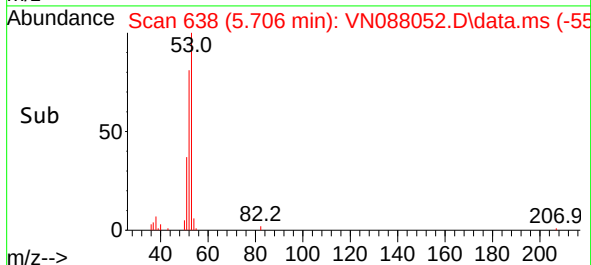
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

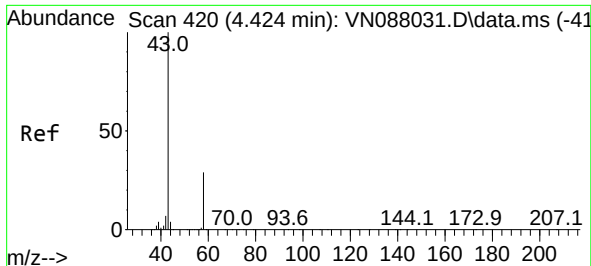


#14
Acrylonitrile
Concen: 11.333 ug/l
RT: 5.706 min Scan# 638
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20



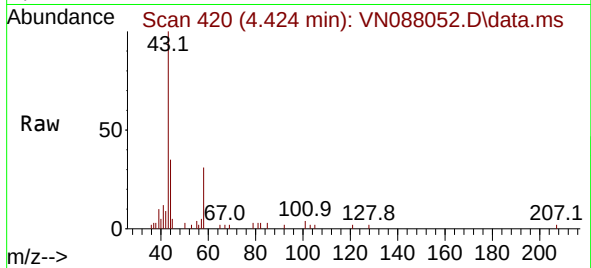
Tgt Ion: 53 Resp: 28342
Ion Ratio Lower Upper
53 100
52 85.0 41.3 124.1
51 37.6 18.0 54.0





#15
Acetone
Concen: 12.055 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

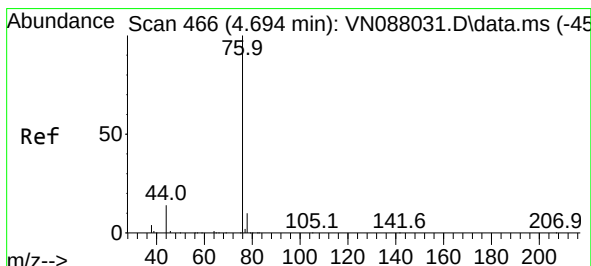
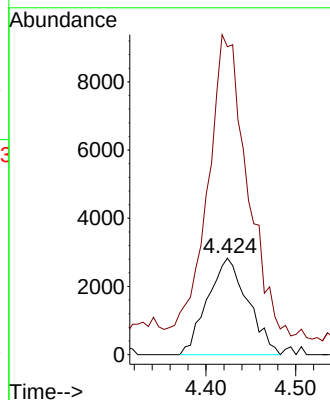
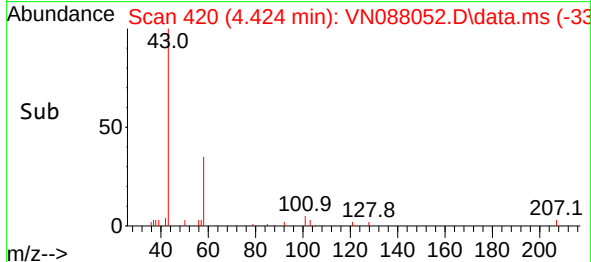
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025



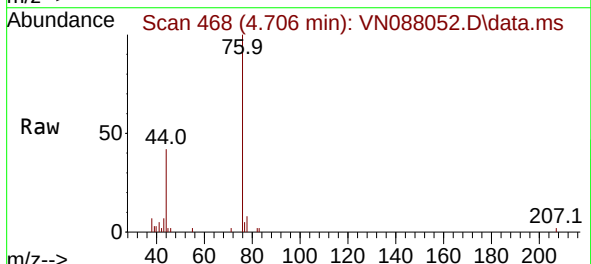
Tgt Ion: 58 Resp: 8829
Ion Ratio Lower Upper
58 100
43 292.4 282.6 424.0

Manual Integrations
APPROVED

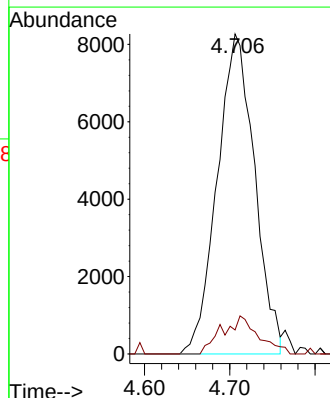
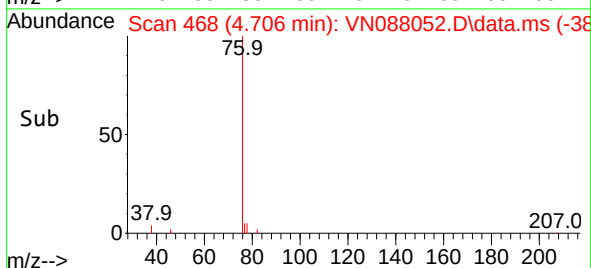
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

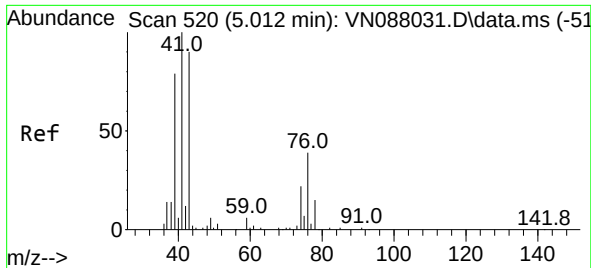


#16
Carbon Disulfide
Concen: 2.520 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.012 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20



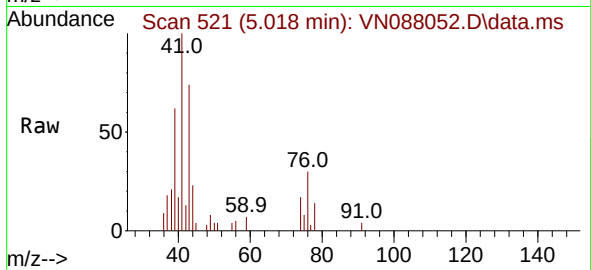
Tgt Ion: 76 Resp: 25187
Ion Ratio Lower Upper
76 100
78 7.5 7.8 11.8#





#17
 Allyl chloride
 Concen: 2.552 ug/l
 RT: 5.018 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN088052.D
 Acq: 09 Oct 2025 11:20

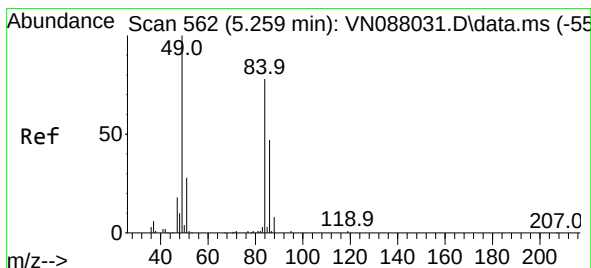
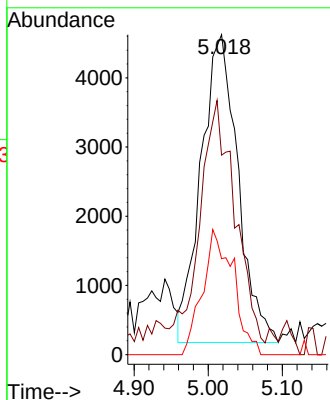
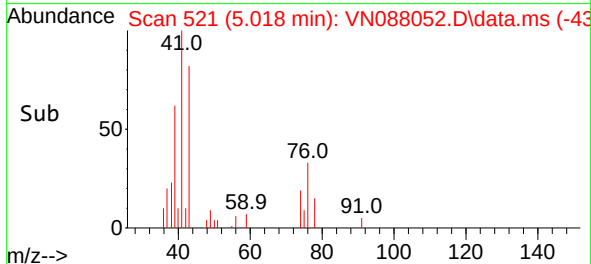
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2025



Tgt Ion: 41 Resp: 15349
 Ion Ratio Lower Upper
 41 100
 39 60.5 36.4 109.2
 76 31.2 18.1 54.1

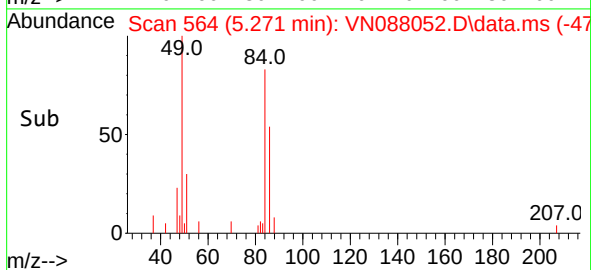
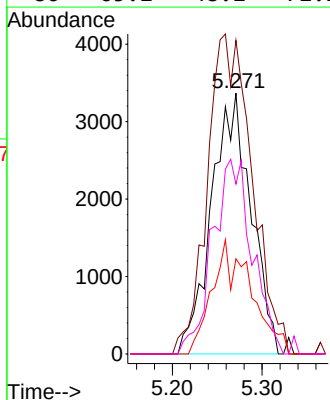
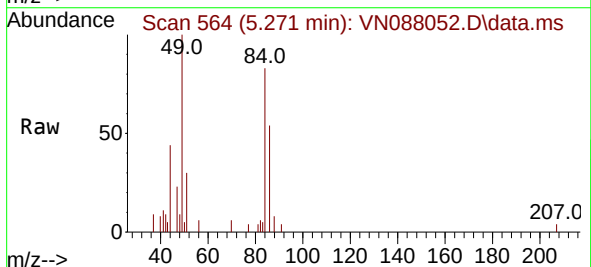
Manual Integrations
 APPROVED

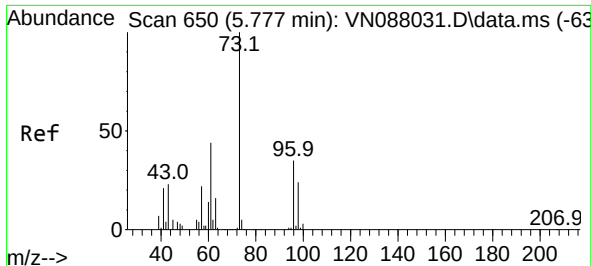
Reviewed By :John Carlone 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#18
 Methylene Chloride
 Concen: 2.537 ug/l
 RT: 5.271 min Scan# 564
 Delta R.T. 0.012 min
 Lab File: VN088052.D
 Acq: 09 Oct 2025 11:20

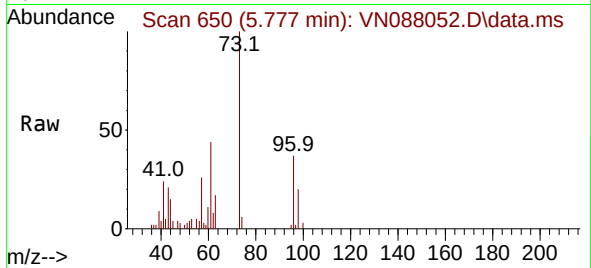
Tgt Ion: 84 Resp: 10281
 Ion Ratio Lower Upper
 84 100
 49 114.2 102.6 153.8
 51 36.5 28.6 42.8
 86 65.2 48.2 72.2





#19
trans-1,2-Dichloroethene
Concen: 2.852 ug/l m
RT: 5.777 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

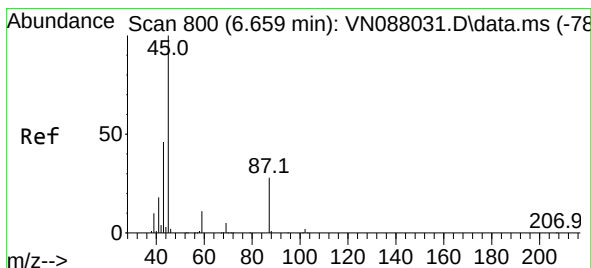
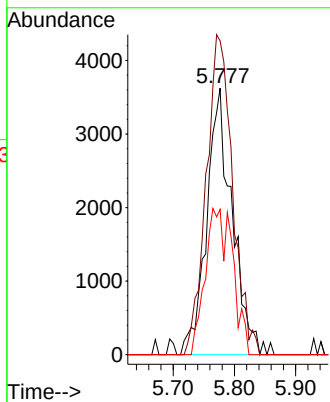
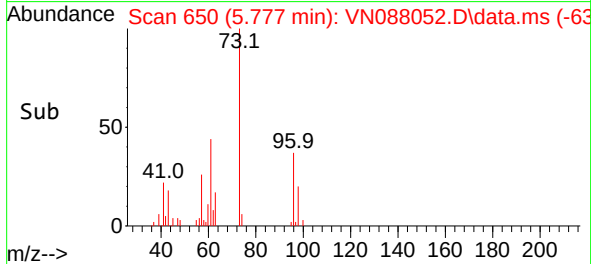
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025



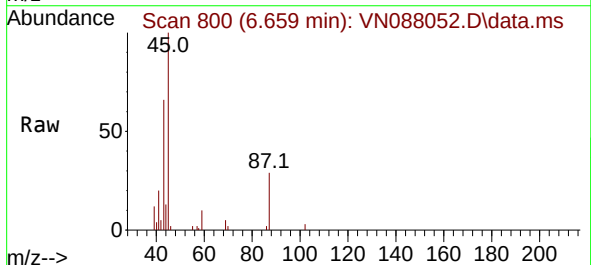
Tgt Ion: 96 Resp: 1051
Ion Ratio Lower Upper
96 100
61 117.7 100.6 151.0
98 54.5 54.0 81.0

Manual Integrations
APPROVED

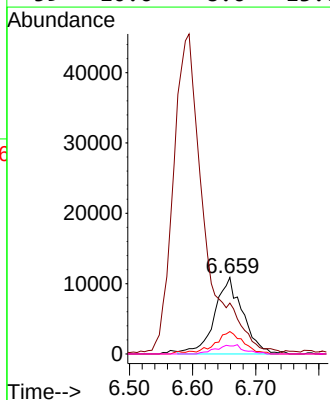
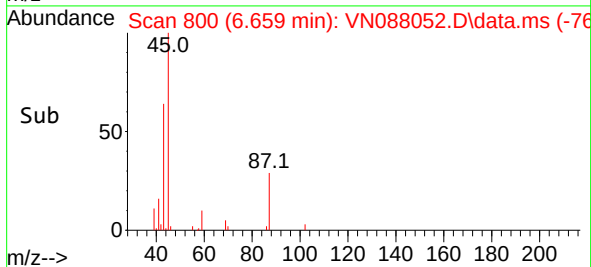
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

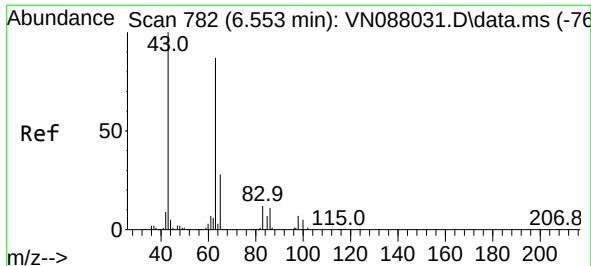


#20
Diisopropyl ether
Concen: 2.465 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20



Tgt Ion: 45 Resp: 33752
Ion Ratio Lower Upper
45 100
43 63.2 46.1 69.1
87 29.8 22.3 33.5
59 10.6 8.6 13.0





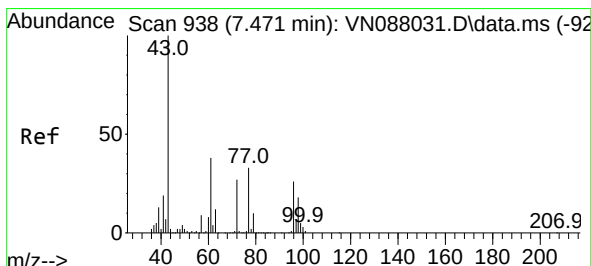
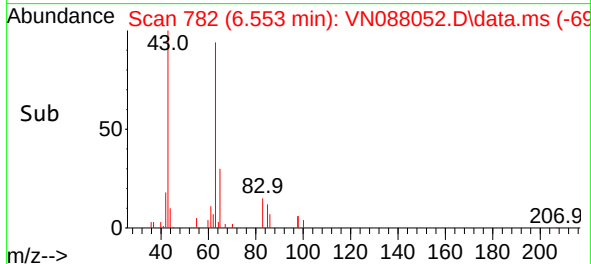
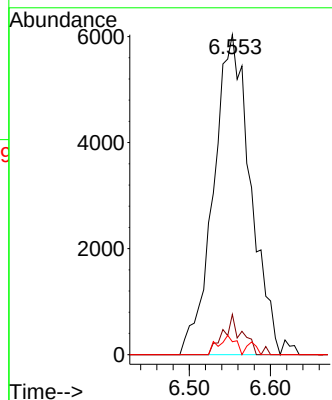
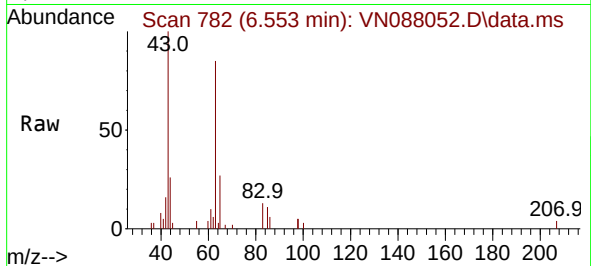
#21
1,1-Dichloroethane
Concen: 2.670 ug/l
RT: 6.553 min Scan# 782
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025

Tgt Ion: 63 Resp: 1903
Ion Ratio Lower Upper
63 100
98 12.6 4.3 12.8
100 4.1 2.6 8.0

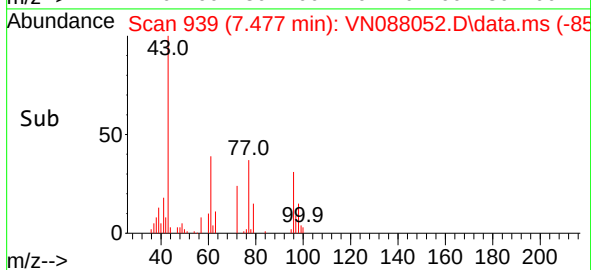
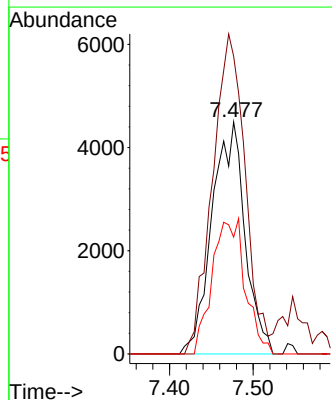
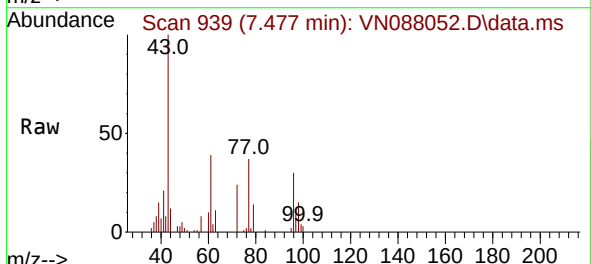
Manual Integrations
APPROVED

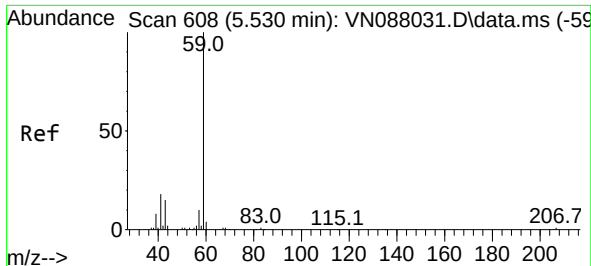
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#22
cis-1,2-Dichloroethene
Concen: 2.658 ug/l m
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

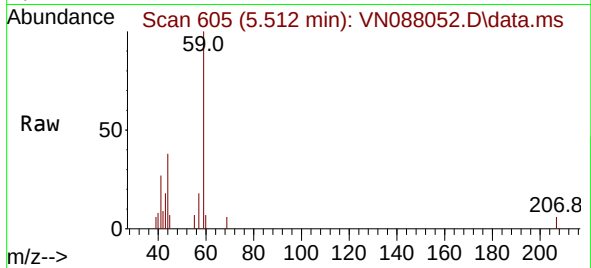
Tgt Ion: 96 Resp: 12265
Ion Ratio Lower Upper
96 100
61 136.9 117.0 175.6
98 39.2 52.6 79.0#





#23
tert-Butyl Alcohol
Concen: 10.772 ug/l
RT: 5.512 min Scan# 608
Delta R.T. -0.018 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

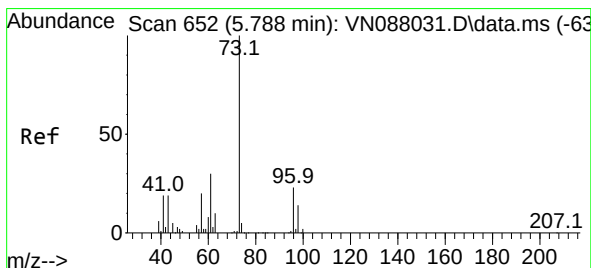
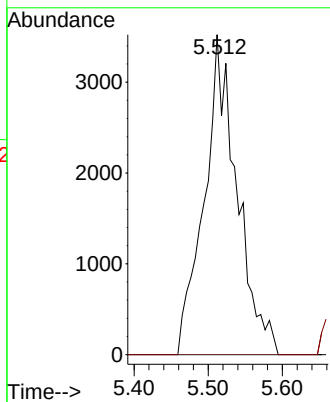
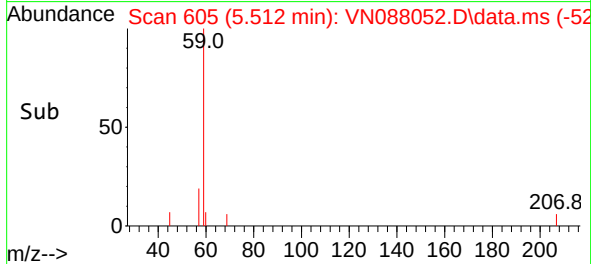
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2025



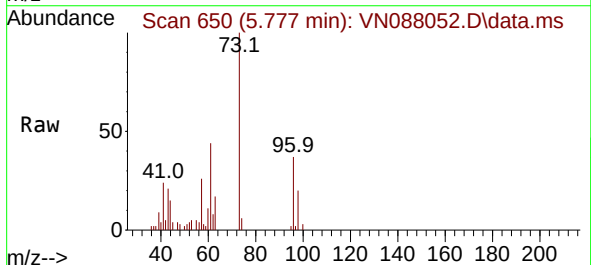
Tgt Ion: 59 Resp: 1080
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
APPROVED

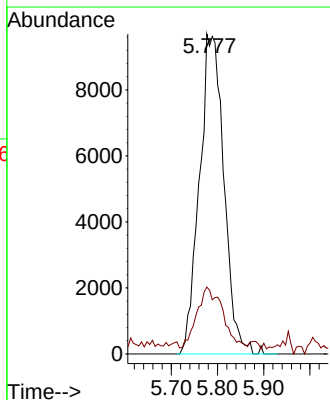
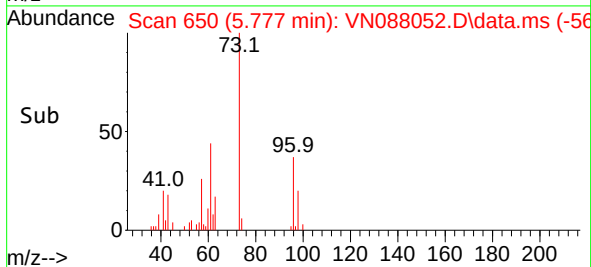
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

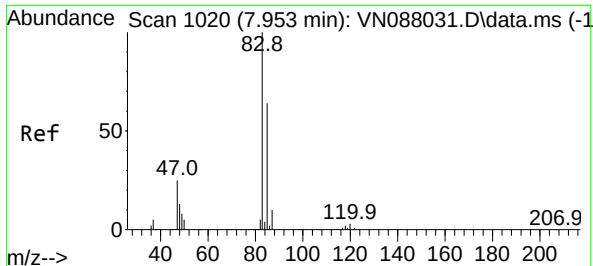


#24
Methyl tert-Butyl Ether
Concen: 2.594 ug/l m
RT: 5.777 min Scan# 650
Delta R.T. -0.012 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20



Tgt Ion: 73 Resp: 35691
Ion Ratio Lower Upper
73 100
43 11.8 17.0 25.4#





#25

Chloroform

Concen: 2.535 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VN088052.D

Acq: 09 Oct 2025 11:20

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2025

Tgt Ion: 83 Resp: 1865

Ion Ratio Lower Upper

83 100

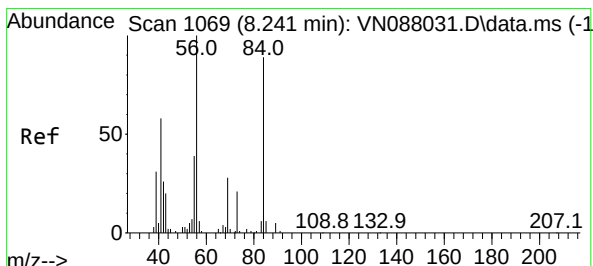
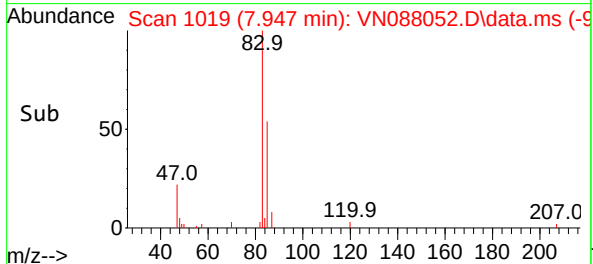
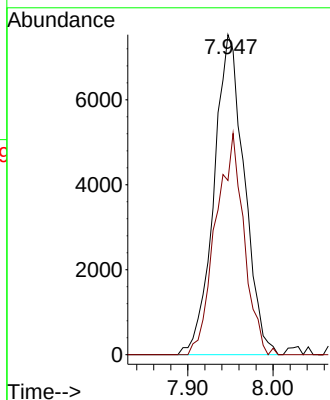
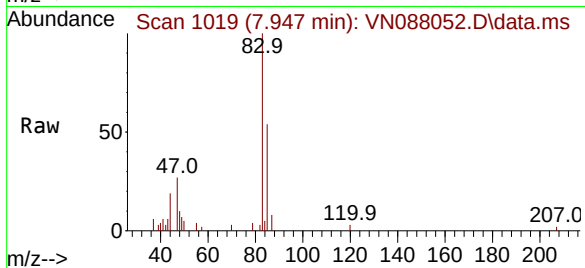
85 54.5 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#26

Cyclohexane

Concen: 2.439 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VN088052.D

Acq: 09 Oct 2025 11:20

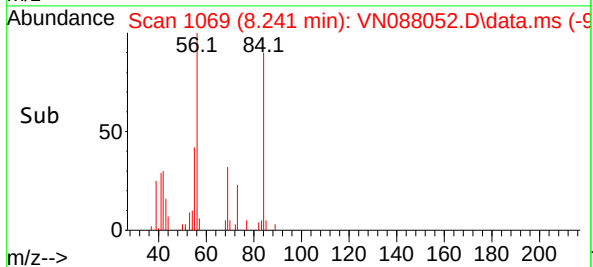
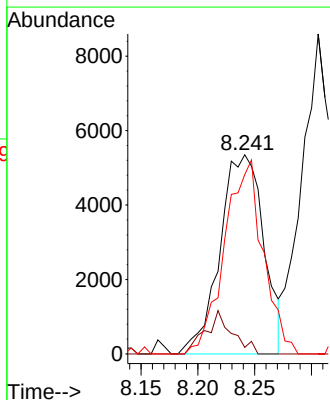
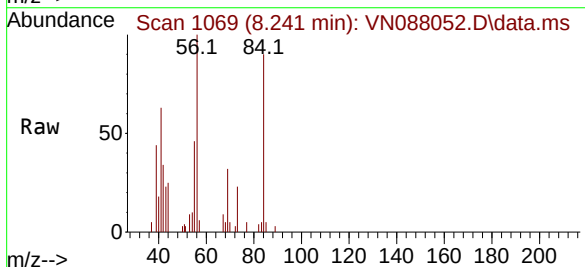
Tgt Ion: 56 Resp: 14407

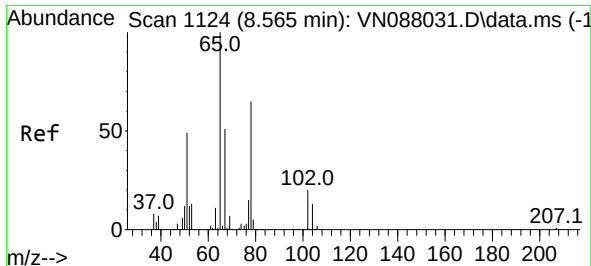
Ion Ratio Lower Upper

56 100

89 8.4 8.6 12.8#

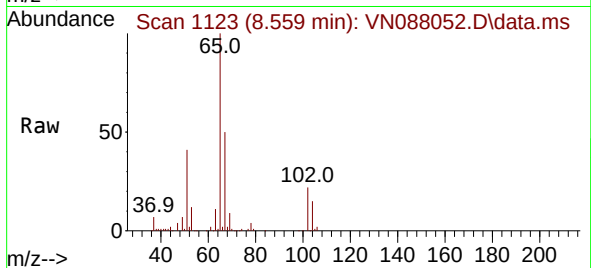
84 85.3 69.6 104.4





#27
1,2-Dichloroethane-d4
Concen: 31.114 ug/l
RT: 8.559 min Scan# 1124
Delta R.T. -0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

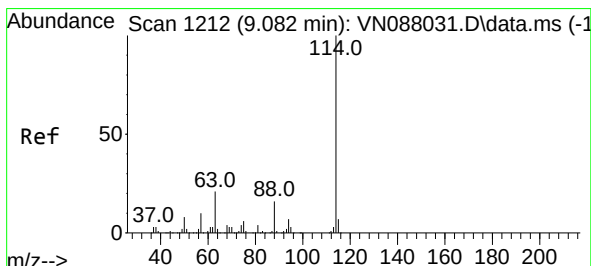
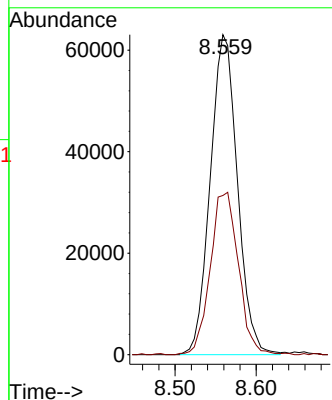
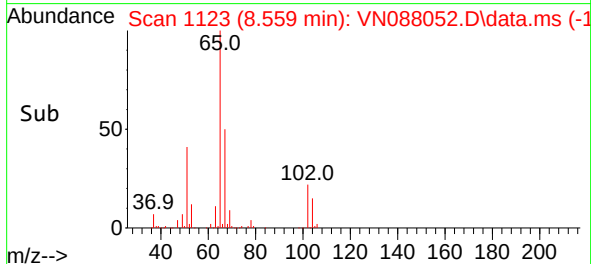
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2025



Tgt Ion: 65 Resp: 146890
Ion Ratio Lower Upper
65 100
67 52.4 41.9 62.9

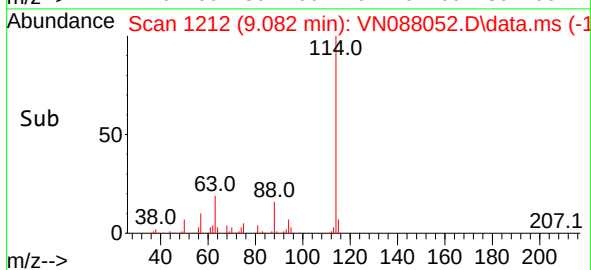
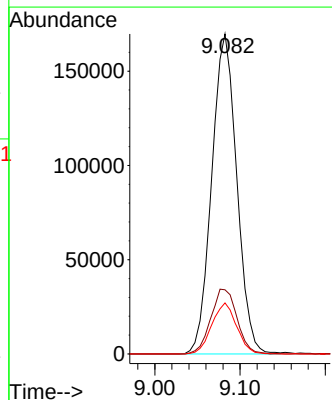
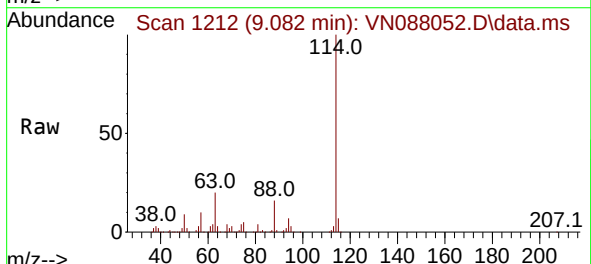
Manual Integrations
APPROVED

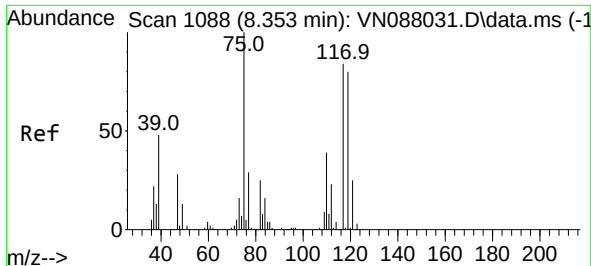
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

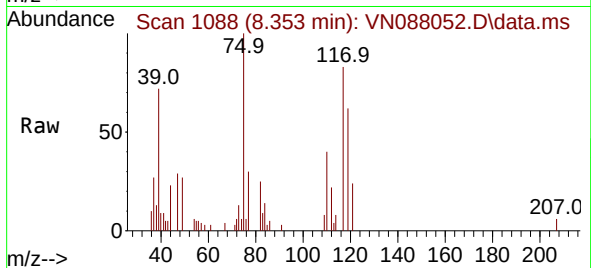
Tgt Ion:114 Resp: 347050
Ion Ratio Lower Upper
114 100
63 21.2 16.6 25.0
88 15.8 12.6 18.8





#29
1,1-Dichloropropene
Concen: 2.373 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

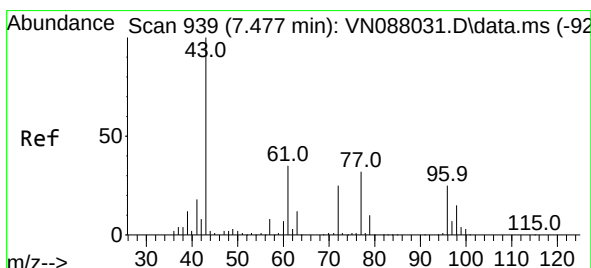
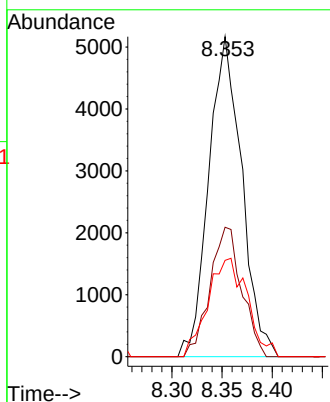
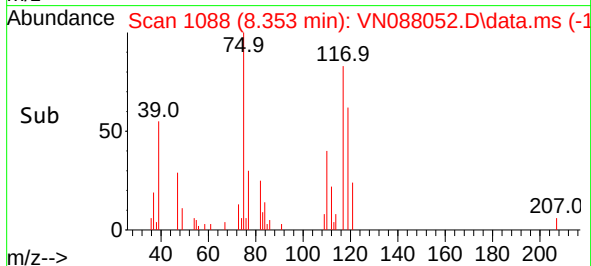
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025



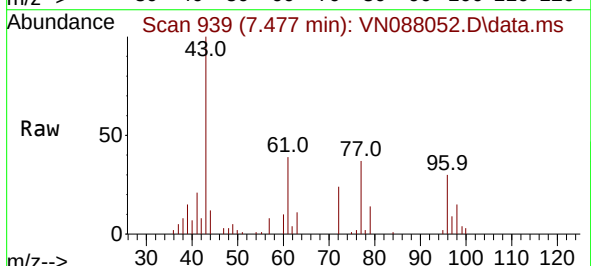
Tgt Ion: 75 Resp: 11804
Ion Ratio Lower Upper
75 100
110 38.9 0.0 72.2
77 26.6 0.0 60.6

Manual Integrations
APPROVED

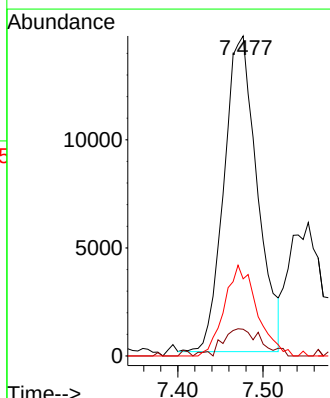
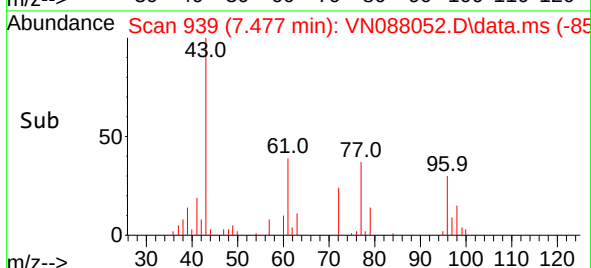
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

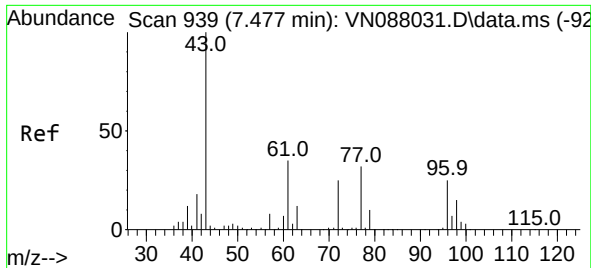


#30
2-Butanone
Concen: 10.815 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20



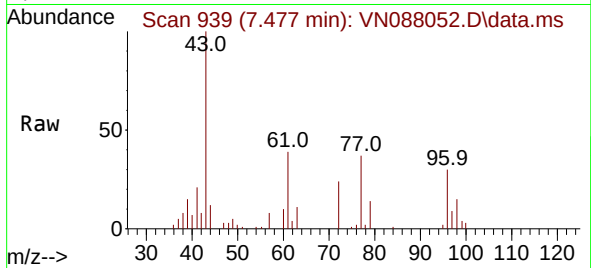
Tgt Ion: 43 Resp: 39679
Ion Ratio Lower Upper
43 100
57 7.0 6.5 9.7
72 28.1 21.4 32.2





#31
2,2-Dichloropropane
Concen: 2.459 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

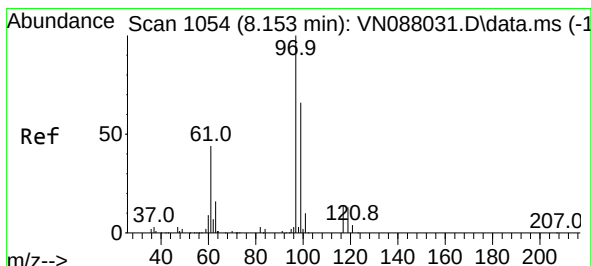
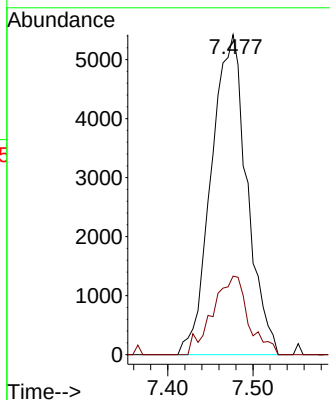
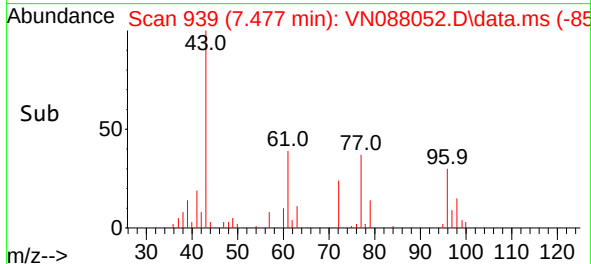
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025



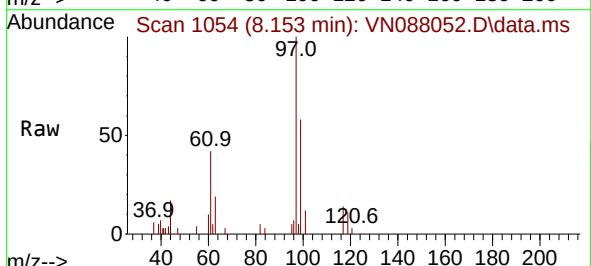
Tgt Ion: 77 Resp: 15764
Ion Ratio Lower Upper
77 100
97 19.0 17.8 26.8

Manual Integrations
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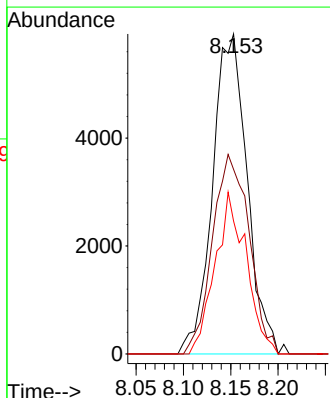
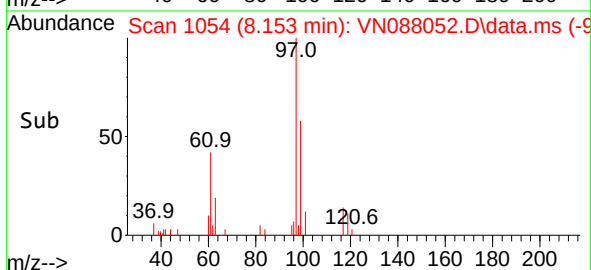
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

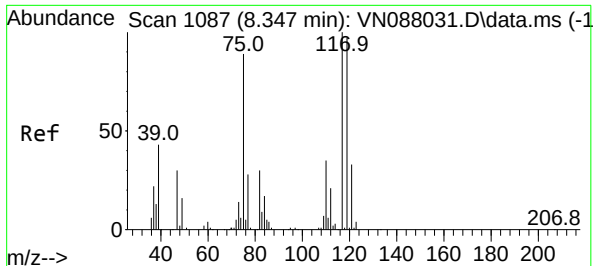


#32
1,1,1-Trichloroethane
Concen: 2.416 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20



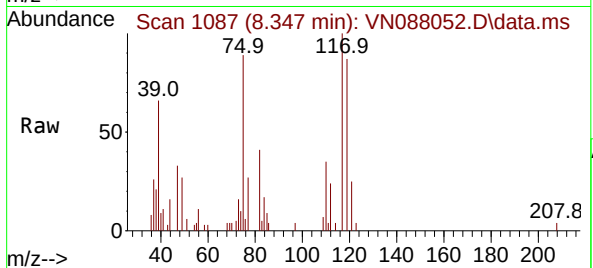
Tgt Ion: 97 Resp: 15020
Ion Ratio Lower Upper
97 100
99 66.3 51.4 77.2
61 45.8 34.7 52.1





#33
Carbon Tetrachloride
Concen: 2.412 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

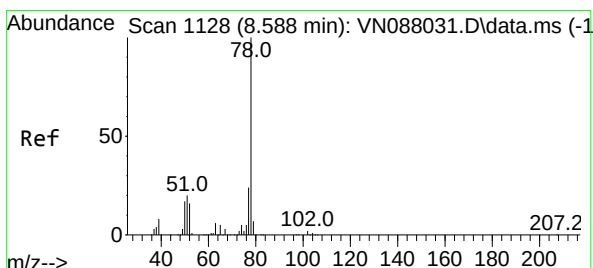
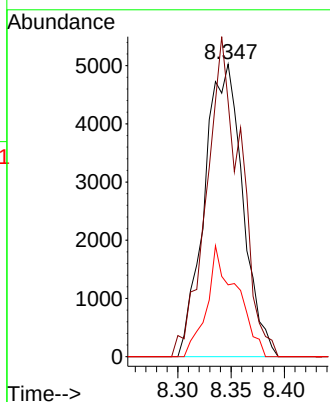
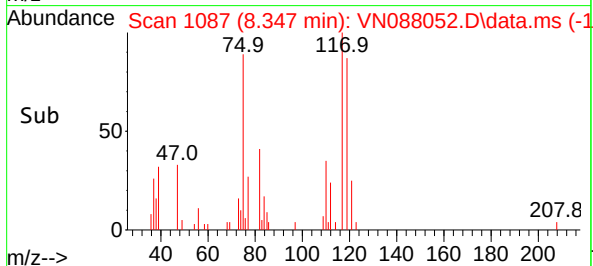
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2025



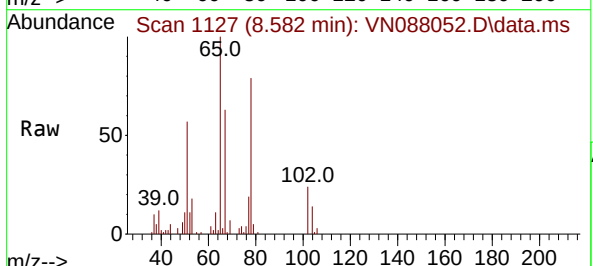
Tgt Ion: 117 Resp: 12550
Ion Ratio Lower Upper
117 100
119 87.2 77.9 116.9
121 24.6 26.4 39.6

Manual Integrations
APPROVED

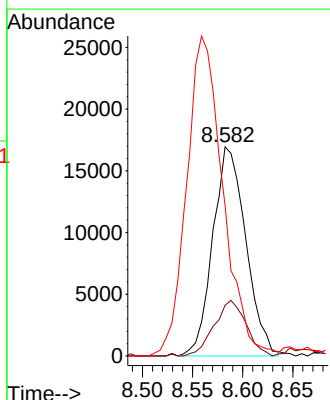
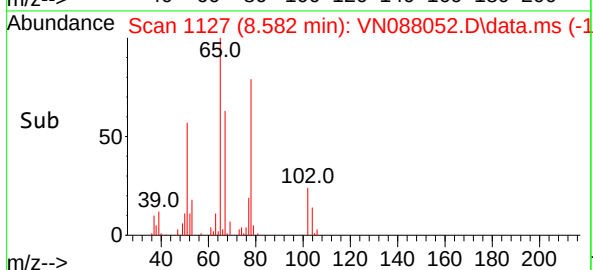
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

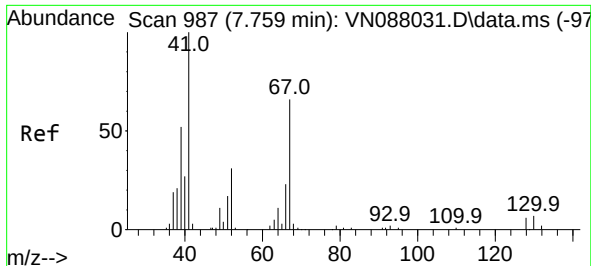


#34
Benzene
Concen: 2.357 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20



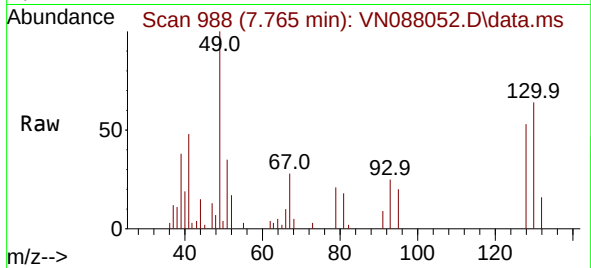
Tgt Ion: 78 Resp: 38886
Ion Ratio Lower Upper
78 100
77 24.3 18.9 28.3
51 70.4 15.6 23.4





#35
Methacrylonitrile
Concen: 2.368 ug/l
RT: 7.765 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

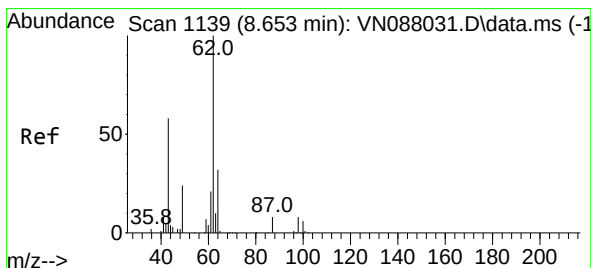
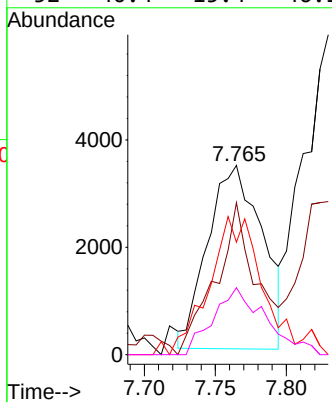
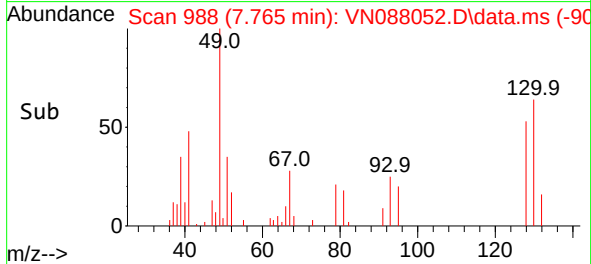
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025



Tgt Ion: 41 Resp: 913
Ion Ratio Lower Upper
41 100
39 91.6 26.1 78.3
67 57.2 33.1 99.2
52 40.4 15.4 46.1

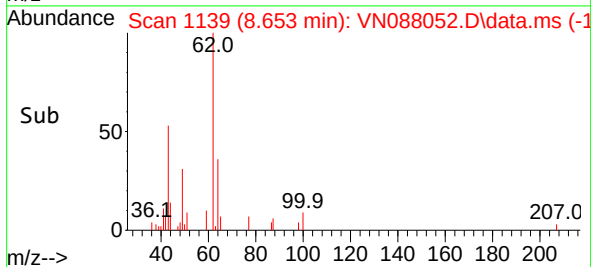
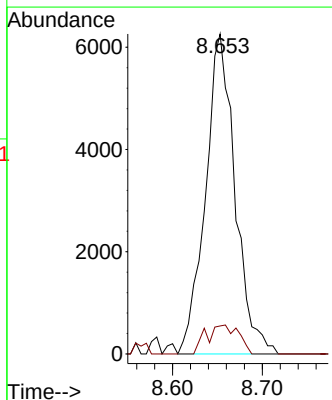
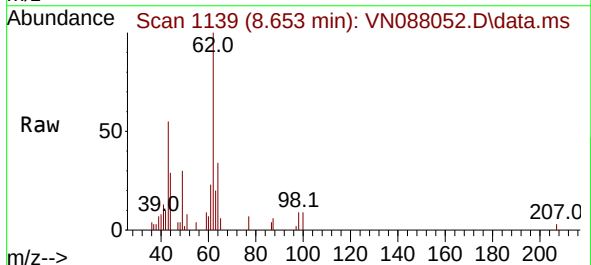
Manual Integrations
APPROVED

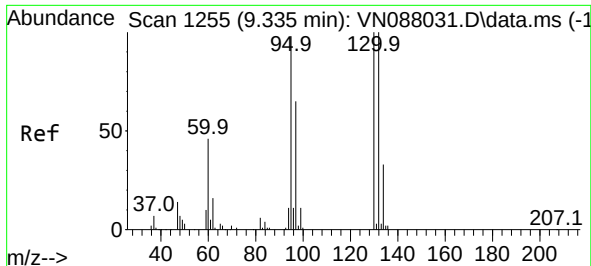
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#36
1,2-Dichloroethane
Concen: 2.503 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

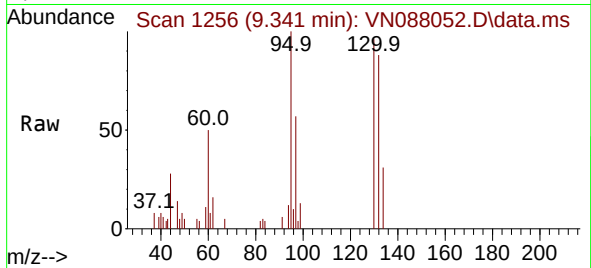
Tgt Ion: 62 Resp: 14337
Ion Ratio Lower Upper
62 100
98 3.1 7.8 11.6#





#37
Trichloroethene
Concen: 2.204 ug/l m
RT: 9.341 min Scan# 1255
Delta R.T. 0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

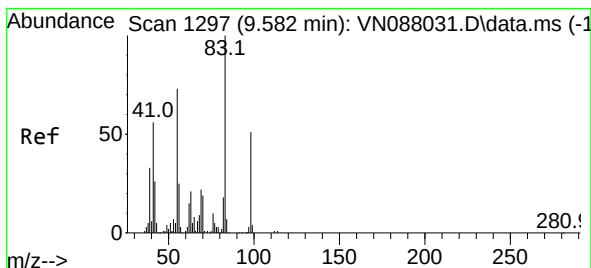
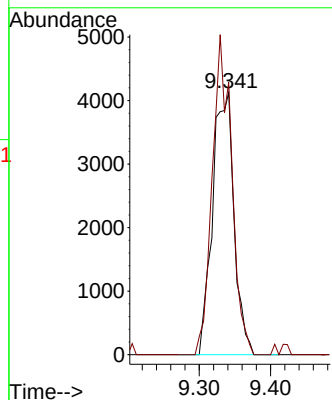
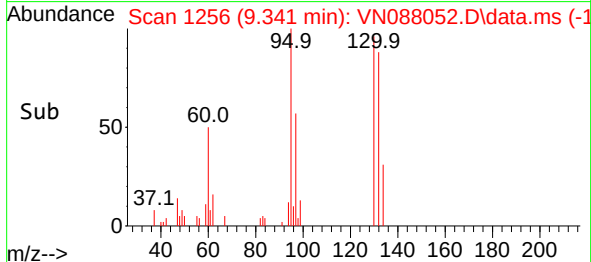
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2025



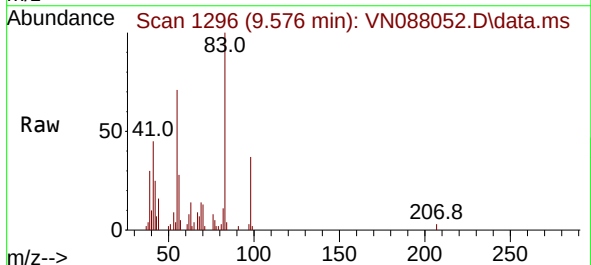
Tgt Ion: 130 Resp: 861
Ion Ratio Lower Upper
130 100
95 103.9 78.7 118.1

Manual Integrations
APPROVED

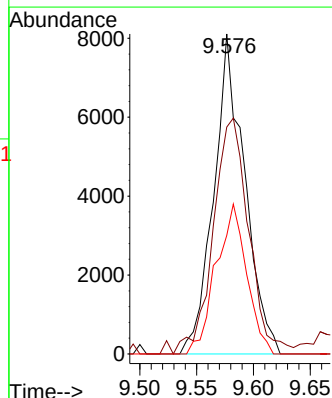
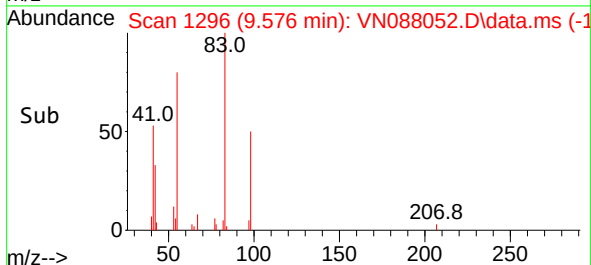
Reviewed By : John Carlone 10/10/2025
Supervised By : Mahesh Dadoda 10/10/2025

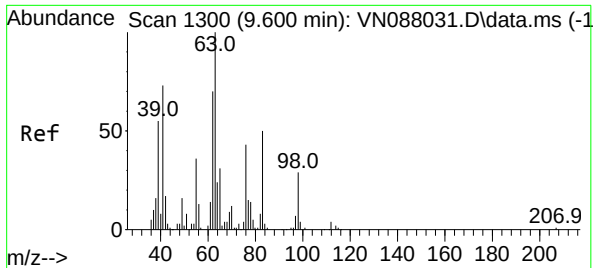


#38
Methylcyclohexane
Concen: 2.498 ug/l
RT: 9.576 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20



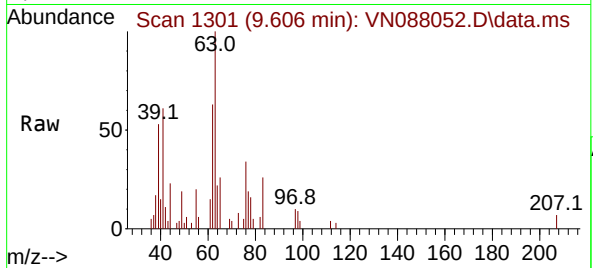
Tgt Ion: 83 Resp: 15349
Ion Ratio Lower Upper
83 100
55 76.7 37.3 111.9
98 46.5 25.4 76.0





#39
1,2-Dichloropropane
Concen: 2.530 ug/l
RT: 9.606 min Scan# 1300
Delta R.T. 0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

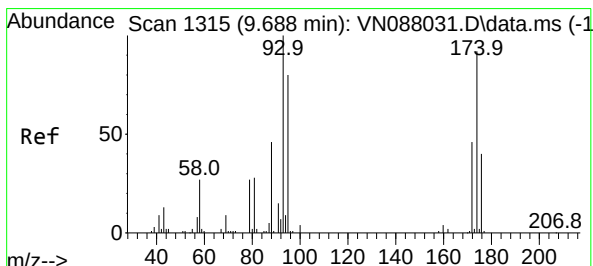
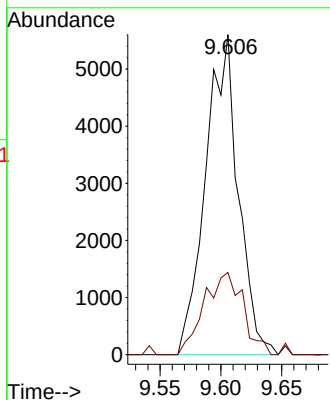
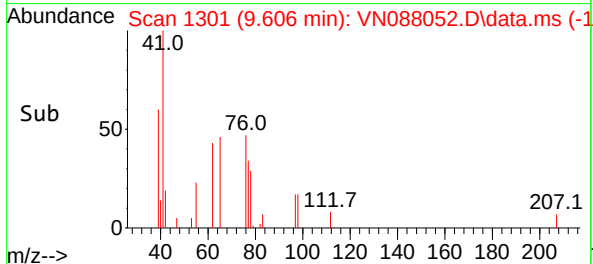
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2025



Tgt Ion: 63 Resp: 1046
Ion Ratio Lower Upper
63 100
65 25.7 25.0 37.6

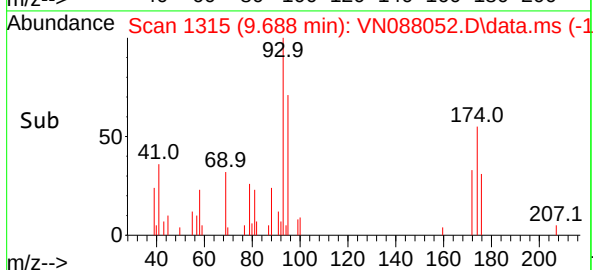
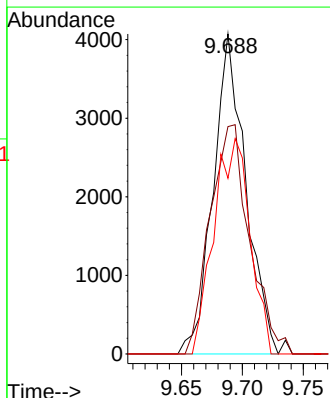
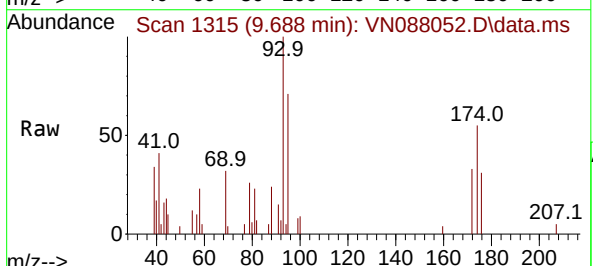
Manual Integrations
APPROVED

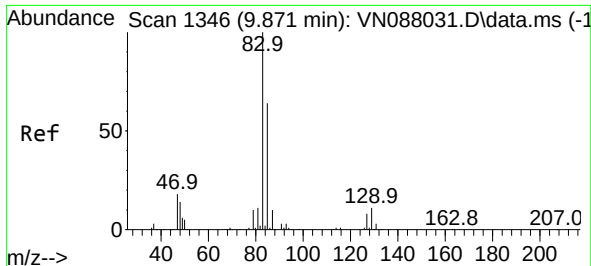
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#40
Dibromomethane
Concen: 2.515 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

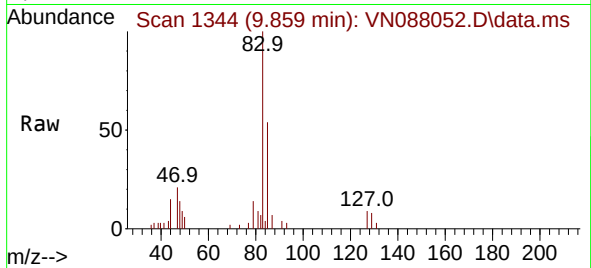
Tgt Ion: 93 Resp: 7575
Ion Ratio Lower Upper
93 100
95 87.1 0.0 158.6
174 74.8 0.0 180.8





#41
Bromodichloromethane
Concen: 2.471 ug/l m
RT: 9.859 min Scan# 1344
Delta R.T. -0.012 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

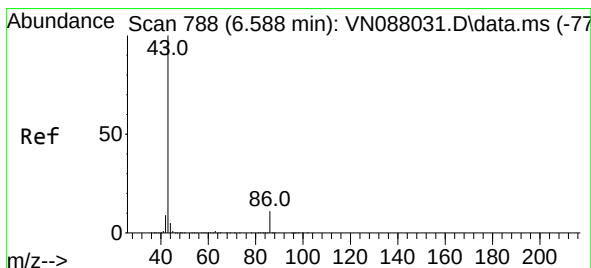
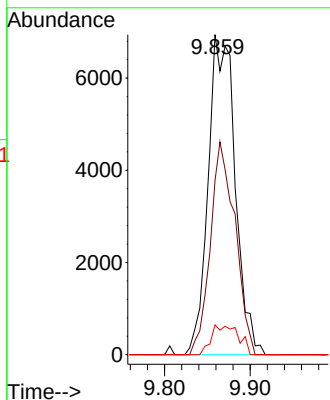
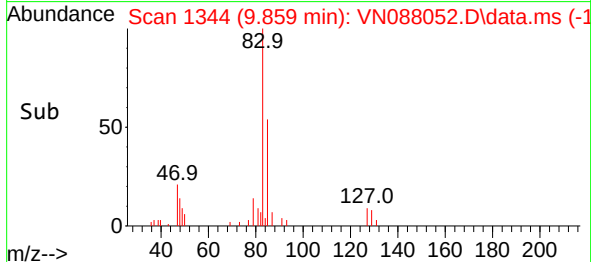
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2025



Tgt Ion: 83 Resp: 15198
Ion Ratio Lower Upper
83 100
85 54.4 51.0 76.4
127 9.3 6.1 9.1

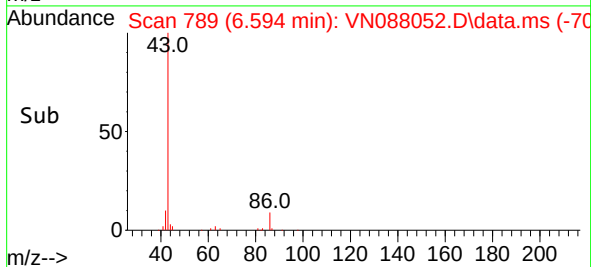
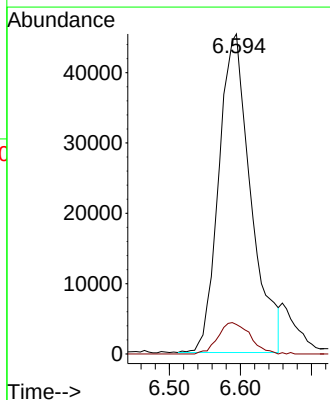
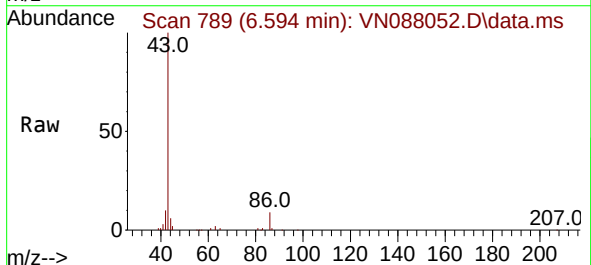
Manual Integrations
APPROVED

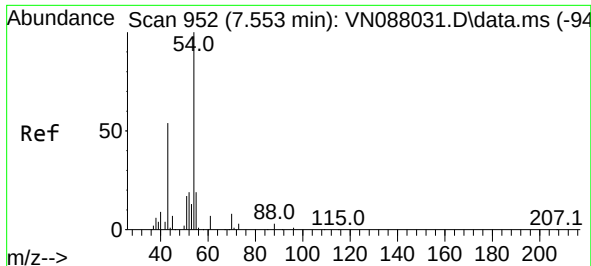
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#42
Vinyl Acetate
Concen: 11.341 ug/l
RT: 6.594 min Scan# 789
Delta R.T. 0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Tgt Ion: 43 Resp: 141748
Ion Ratio Lower Upper
43 100
86 9.8 8.4 12.6





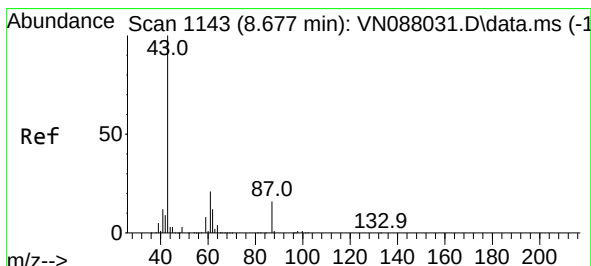
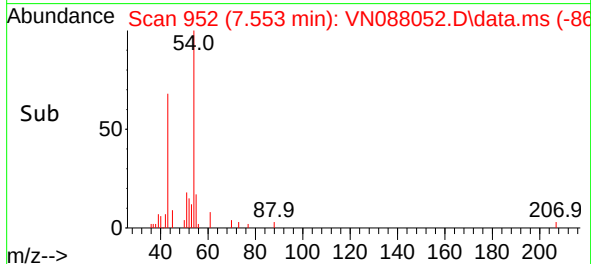
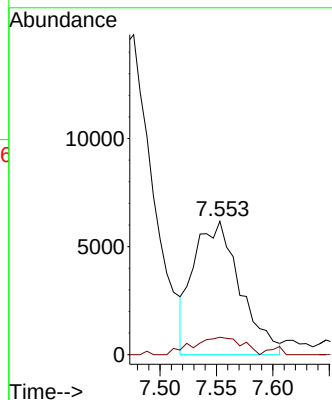
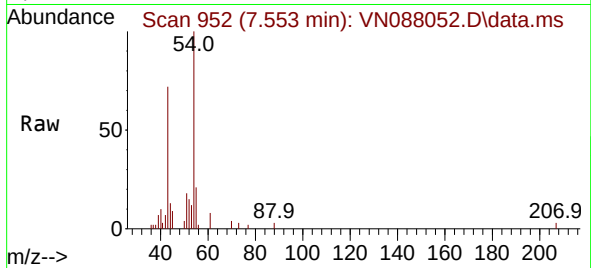
#43
Ethyl Acetate
Concen: 2.496 ug/l m
RT: 7.553 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025

Tgt Ion: 43 Resp: 1760
Ion Ratio Lower Upper
43 100
45 11.1 10.2 15.4

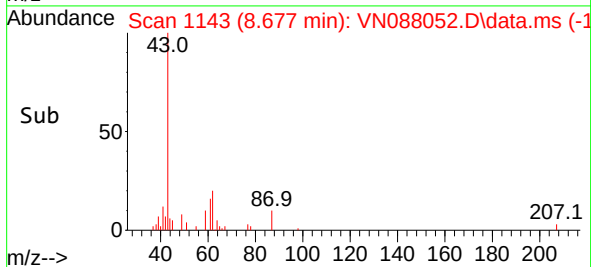
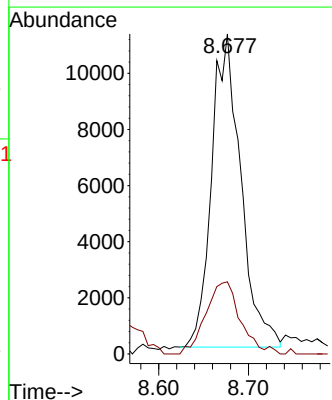
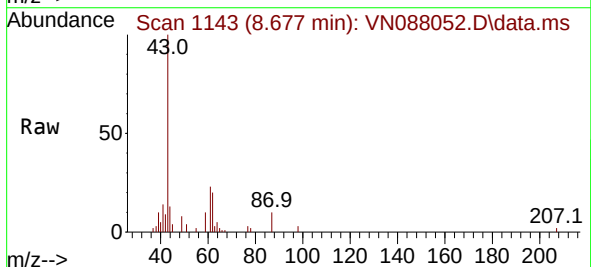
Manual Integrations
APPROVED

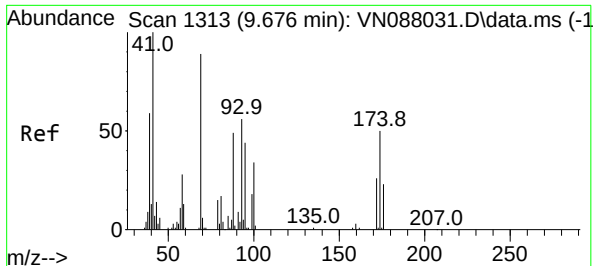
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#44
Isopropyl Acetate
Concen: 2.187 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Tgt Ion: 43 Resp: 25197
Ion Ratio Lower Upper
43 100
61 26.7 18.7 28.1





#45

1,4-Dioxane

Concen: 46.650 ug/l m

RT: 9.682 min Scan# 1314

Delta R.T. 0.006 min

Lab File: VN088052.D

Acq: 09 Oct 2025 11:20

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2025

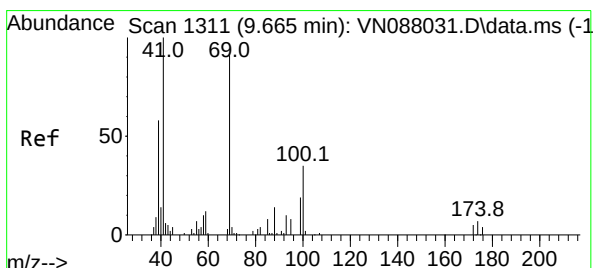
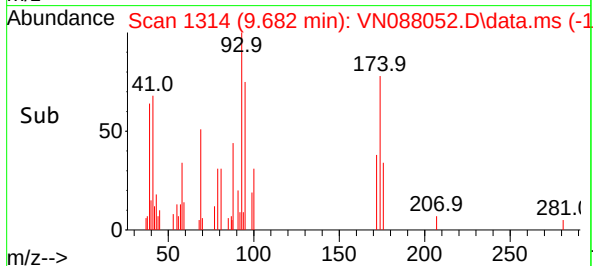
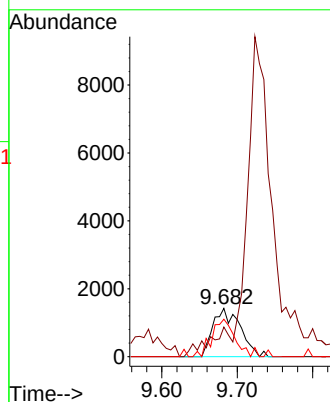
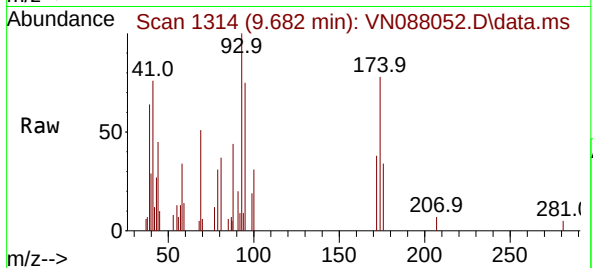
Tgt Ion: 88	Resp: 3574
Ion Ratio	Lower Upper
88 100	
43 7.3	18.6 27.8
58 62.1	57.4 86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

Methyl methacrylate

Concen: 2.328 ug/l m

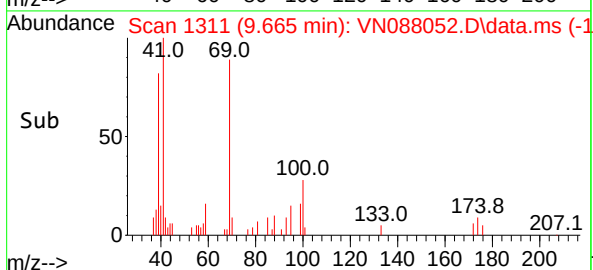
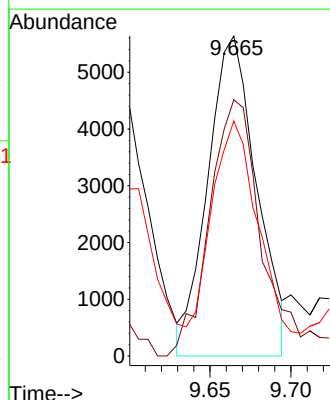
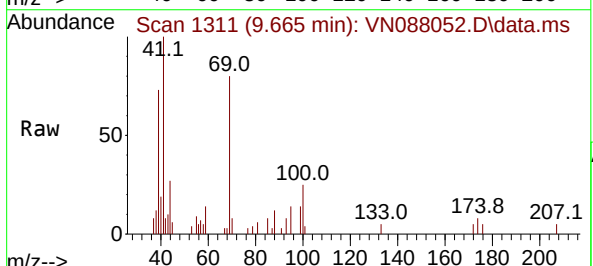
RT: 9.665 min Scan# 1311

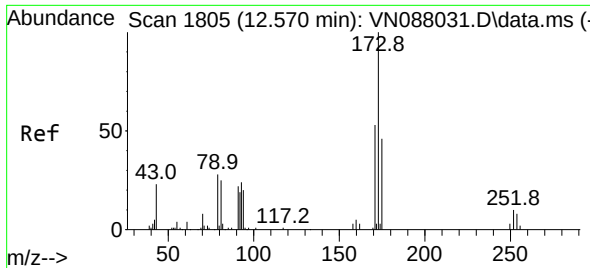
Delta R.T. 0.000 min

Lab File: VN088052.D

Acq: 09 Oct 2025 11:20

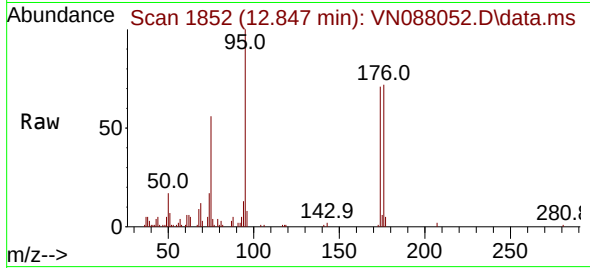
Tgt Ion: 41	Resp: 11808
Ion Ratio	Lower Upper
41 100	
69 80.1	44.9 134.7
39 73.4	30.3 90.8





#47
n-amy1 Acetate
Concen: 3.156 ug/l m
RT: 12.847 min Scan# 11
Delta R.T. 0.276 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

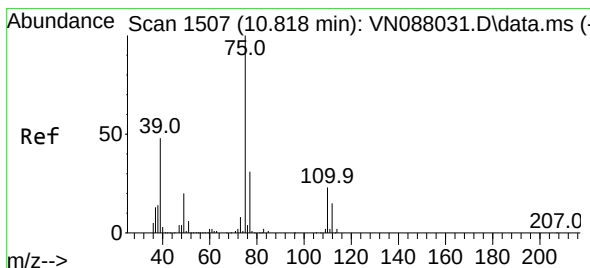
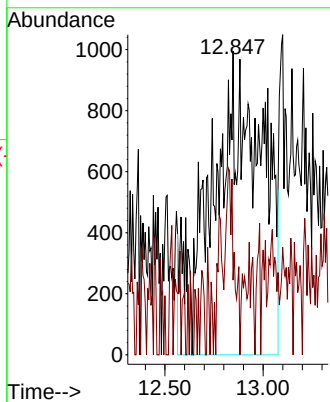
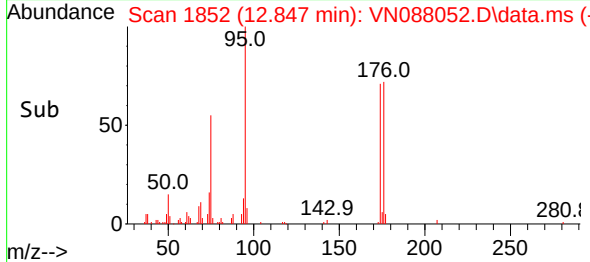
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025



Tgt Ion: 43 Resp: 1723
Ion Ratio Lower Upper
43 100
55 0.7 0.6 0.8

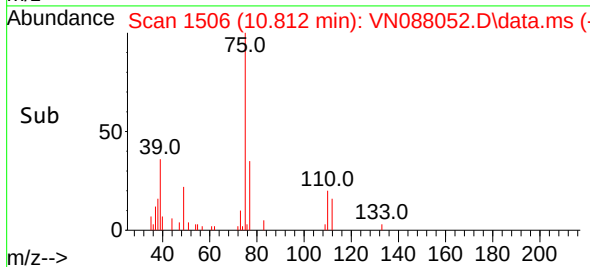
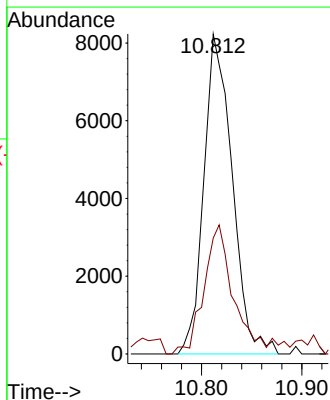
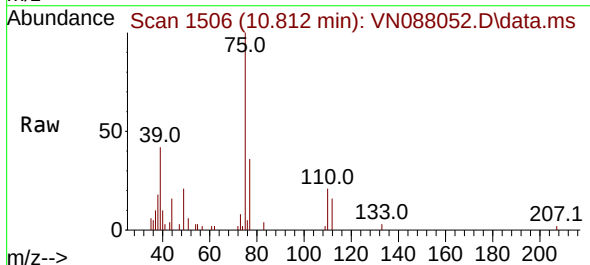
Manual Integrations
APPROVED

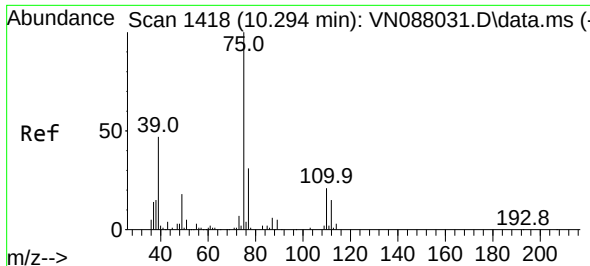
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#48
t-1,3-Dichloropropene
Concen: 2.368 ug/l
RT: 10.812 min Scan# 1506
Delta R.T. -0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Tgt Ion: 75 Resp: 16197
Ion Ratio Lower Upper
75 100
77 34.0 24.5 36.7





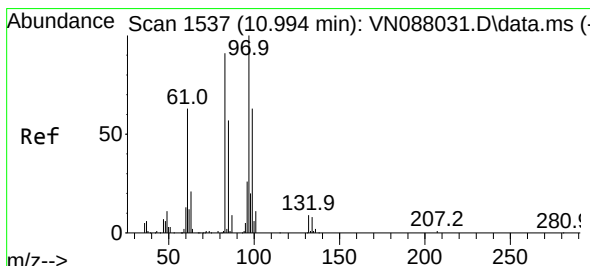
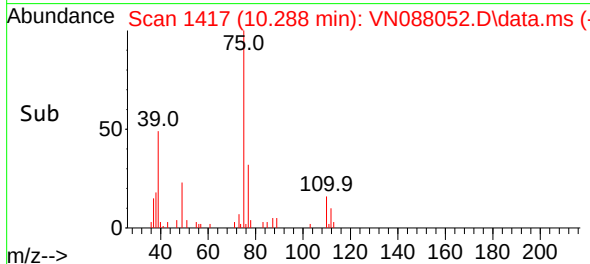
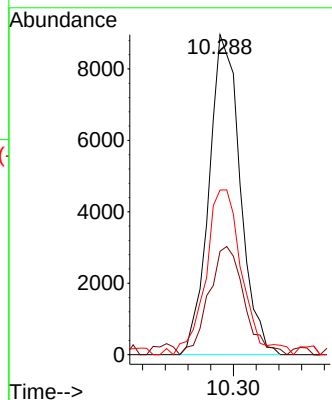
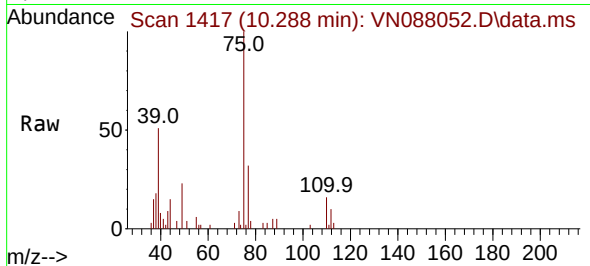
#49
cis-1,3-Dichloropropene
Concen: 2.402 ug/l
RT: 10.288 min Scan# 1417
Delta R.T. -0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2025

Tgt Ion: 75 Resp: 1713
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.4
39 48.5 37.4 56.0

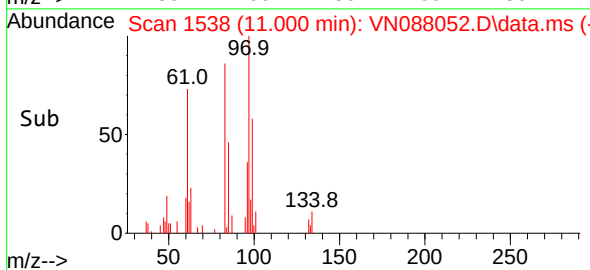
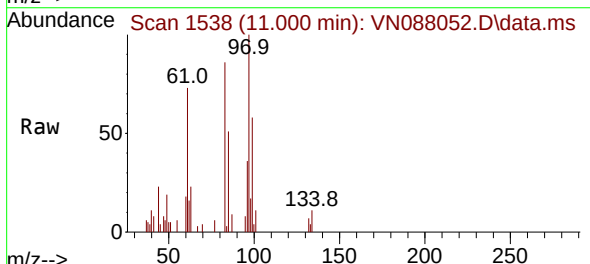
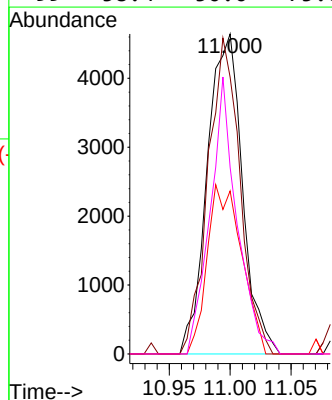
Manual Integrations
APPROVED

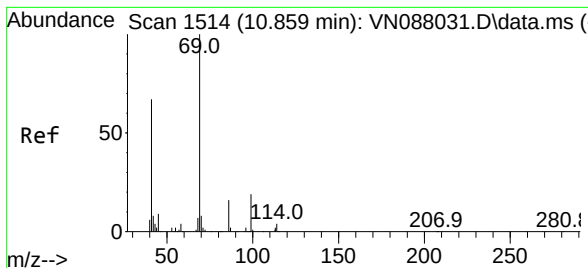
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#50
1,1,2-Trichloroethane
Concen: 2.333 ug/l
RT: 11.000 min Scan# 1538
Delta R.T. 0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Tgt Ion: 97 Resp: 9305
Ion Ratio Lower Upper
97 100
83 86.5 72.5 108.7
85 50.9 45.5 68.3
99 58.4 50.0 75.0





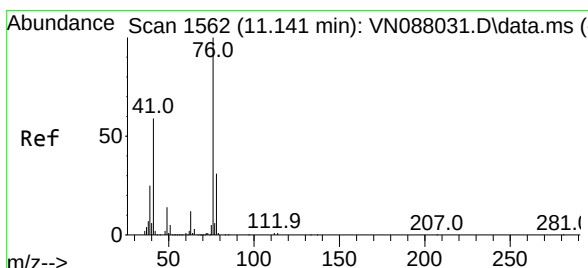
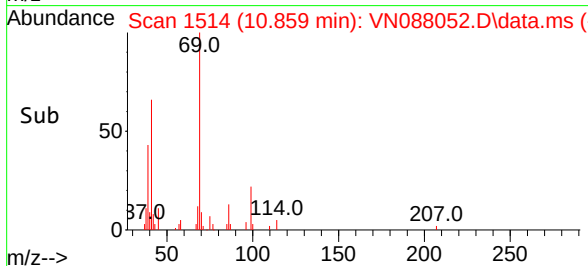
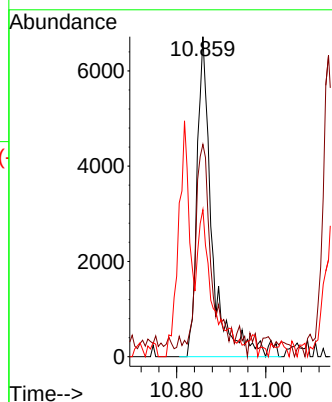
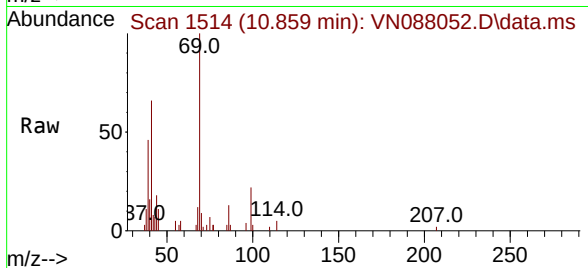
#51
Ethyl methacrylate
Concen: 2.336 ug/l m
RT: 10.859 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2025

Tgt Ion: 69 Resp: 15768
Ion Ratio Lower Upper
69 100
41 66.4 33.3 99.8
39 45.9 20.3 61.0

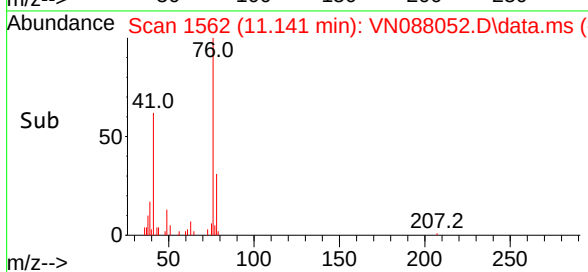
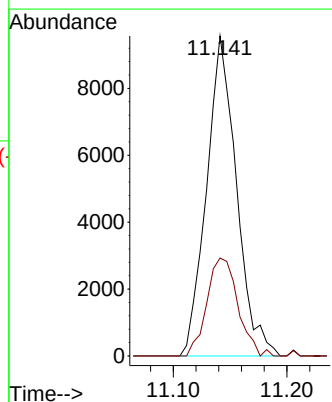
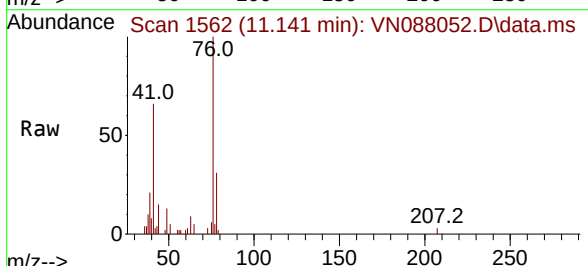
Manual Integrations
APPROVED

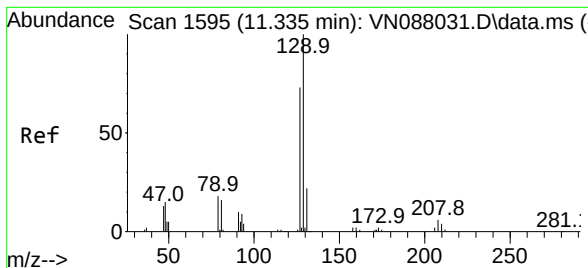
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52
1,3-Dichloropropane
Concen: 2.519 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

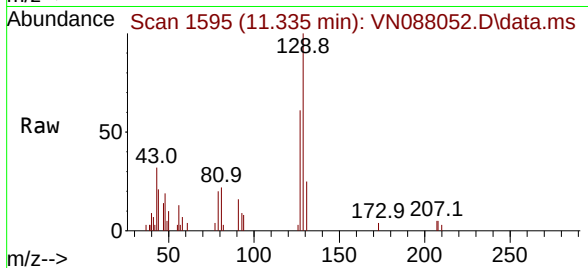
Tgt Ion: 76 Resp: 17530
Ion Ratio Lower Upper
76 100
78 31.3 0.0 65.0





#53
Dibromochloromethane
Concen: 2.172 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

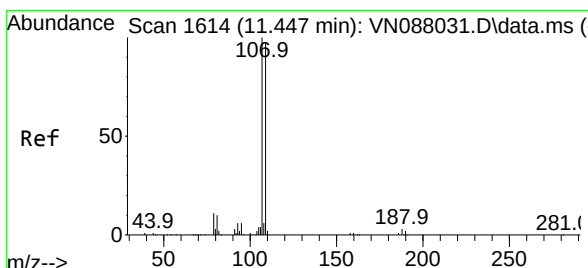
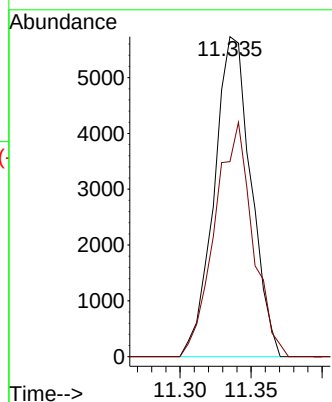
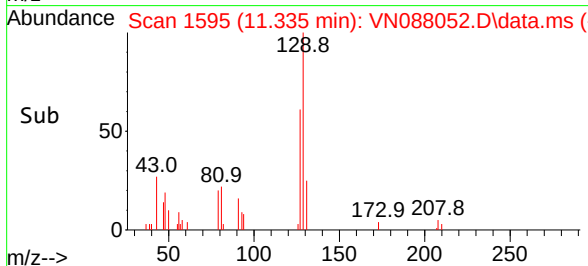
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025



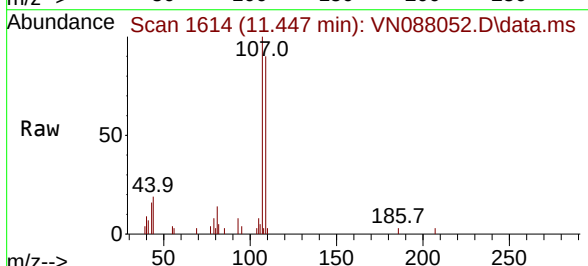
Tgt Ion:129 Resp: 10354
Ion Ratio Lower Upper
129 100
127 75.3 39.1 117.3

Manual Integrations
APPROVED

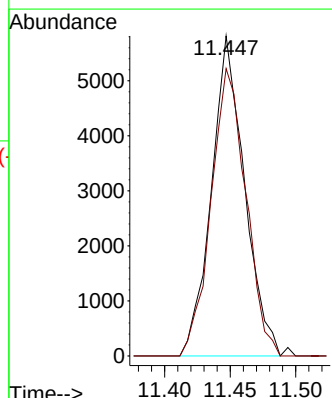
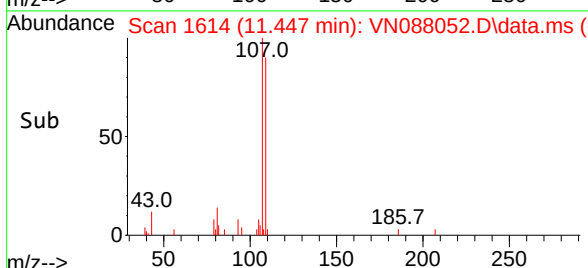
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

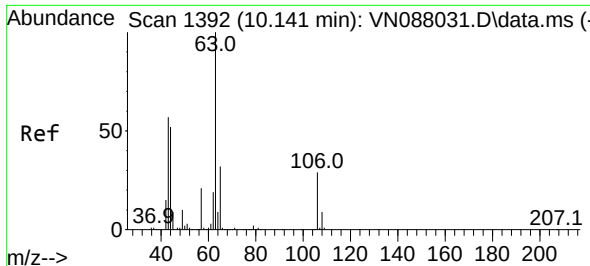


#54
1,2-Dibromoethane
Concen: 2.394 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20



Tgt Ion:107 Resp: 10208
Ion Ratio Lower Upper
107 100
109 94.2 75.5 113.3





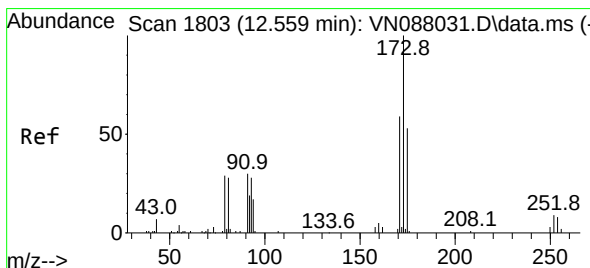
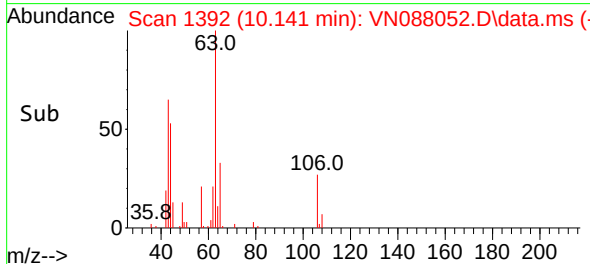
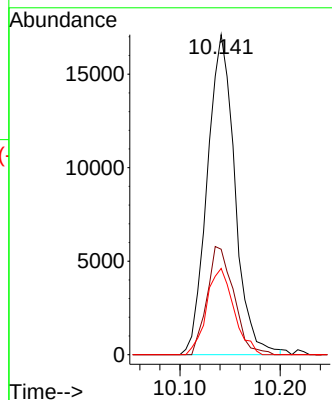
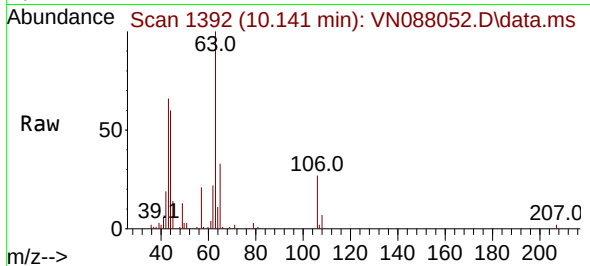
#55
2-Chloroethyl vinyl ether
Concen: 8.988 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2025

Tgt Ion: 63 Resp: 32744
Ion Ratio Lower Upper
63 100
65 32.6 25.7 38.5
106 26.7 22.6 34.0

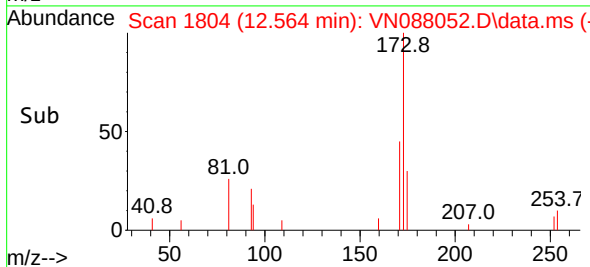
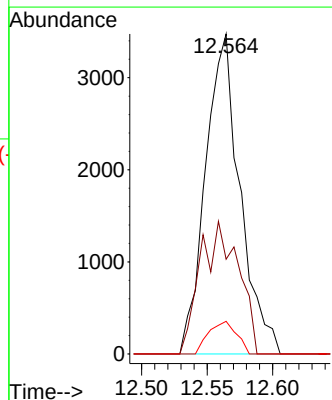
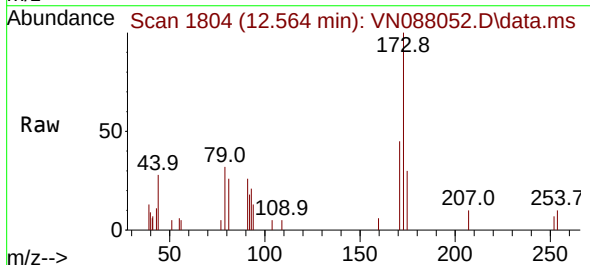
Manual Integrations
APPROVED

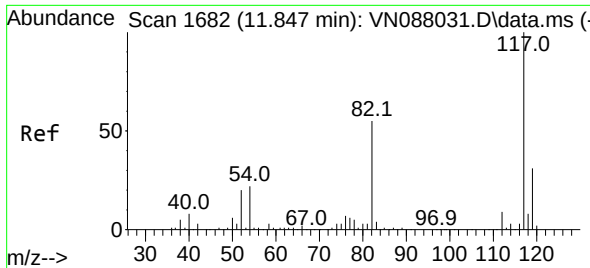
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#56
Bromoform
Concen: 1.971 ug/l
RT: 12.564 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Tgt Ion:173 Resp: 6353
Ion Ratio Lower Upper
173 100
175 45.9 39.6 59.4
254 8.3 6.6 10.0





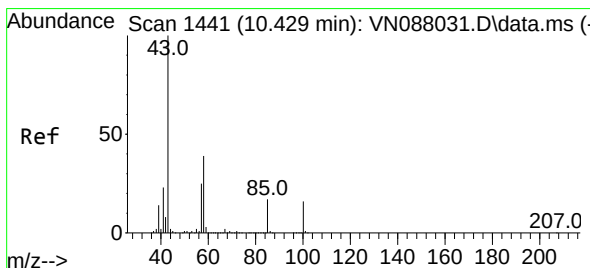
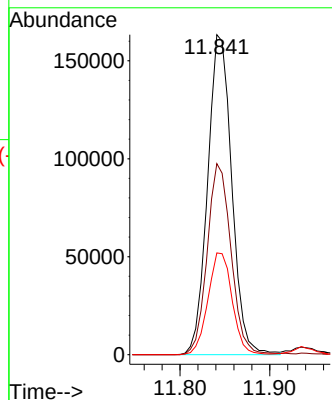
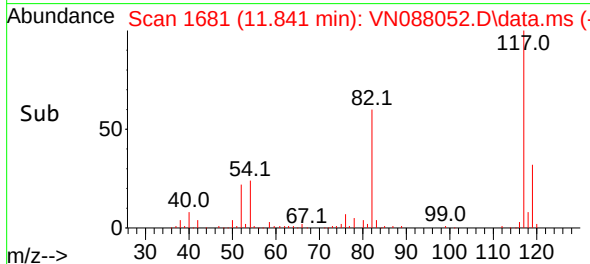
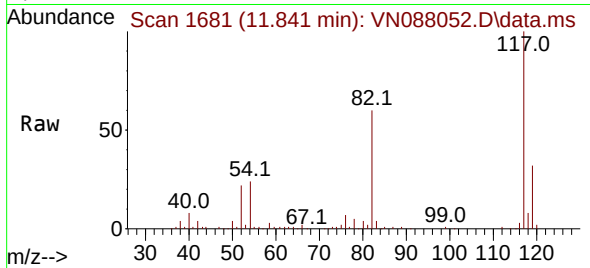
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1181
Delta R.T. -0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025

Tgt Ion:117 Resp: 30548
Ion Ratio Lower Upper
117 100
82 59.0 45.2 67.8
119 31.9 25.9 38.9

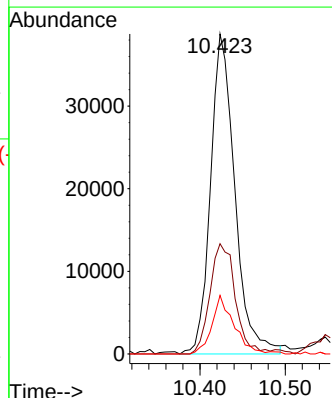
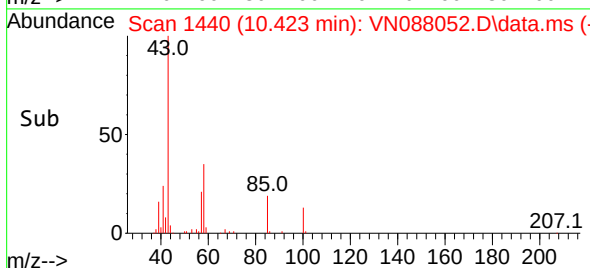
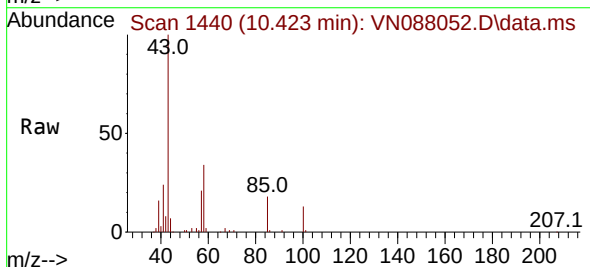
Manual Integrations
APPROVED

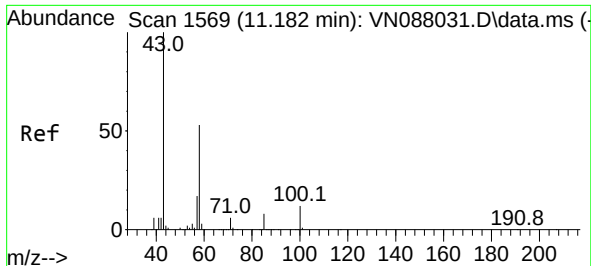
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
4-Methyl-2-Pentanone
Concen: 11.225 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Tgt Ion: 43 Resp: 76700
Ion Ratio Lower Upper
43 100
58 35.9 31.2 46.8
85 16.4 13.7 20.5





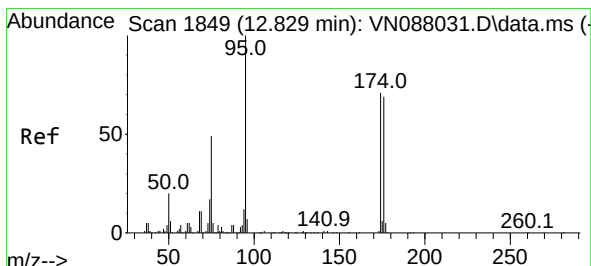
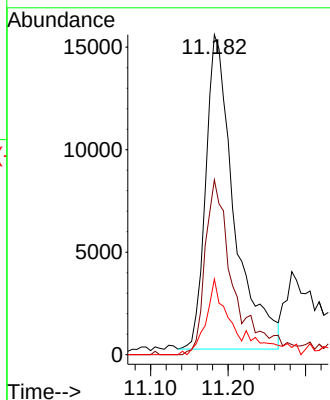
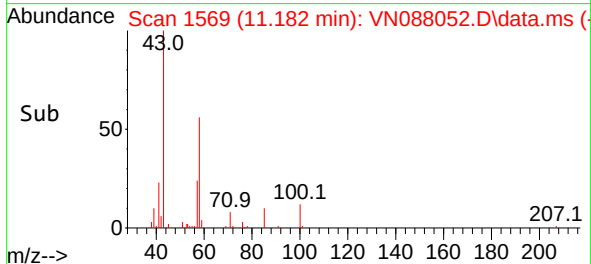
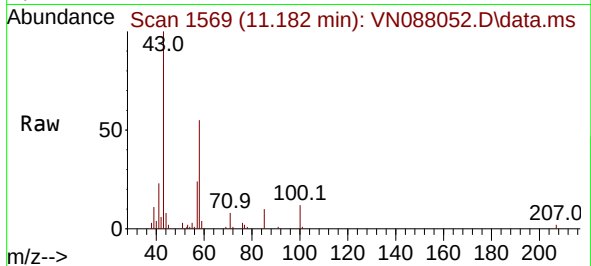
#59
2-Hexanone
Concen: 8.686 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025

Tgt Ion: 43 Resp: 39180
Ion Ratio Lower Upper
43 100
58 45.4 43.1 64.7
57 17.5 14.6 21.8

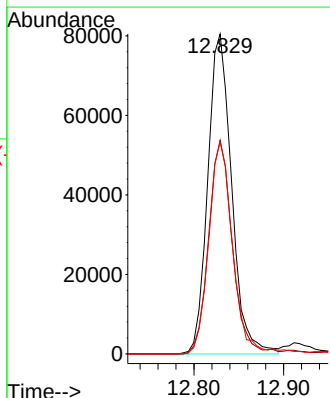
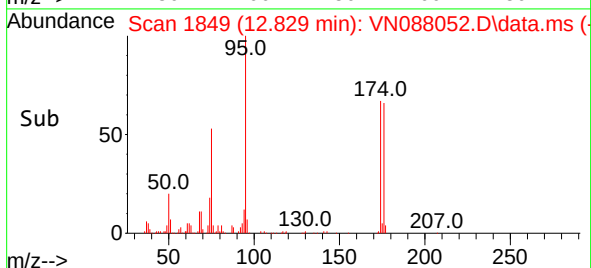
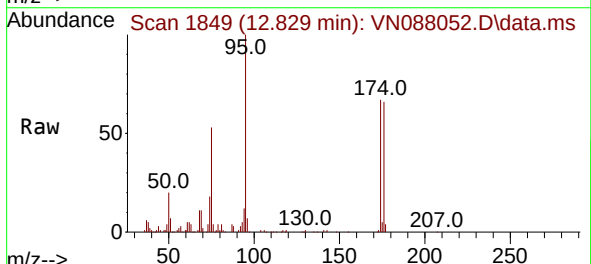
Manual Integrations
APPROVED

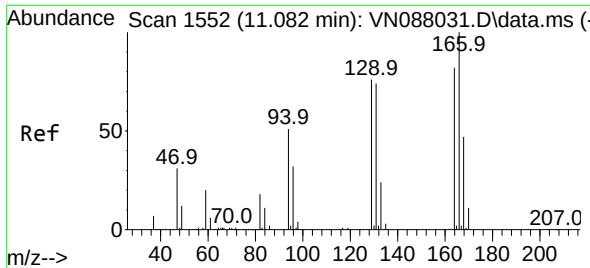
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#60
4-Bromofluorobenzene
Concen: 29.510 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

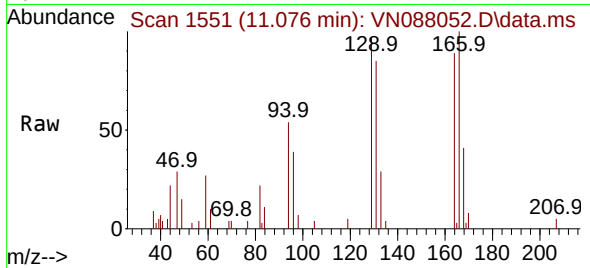
Tgt Ion: 95 Resp: 148614
Ion Ratio Lower Upper
95 100
174 65.4 57.4 86.0
176 65.1 57.0 85.4





#61
Tetrachloroethene
Concen: 2.628 ug/l
RT: 11.076 min Scan# 1551
Delta R.T. -0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

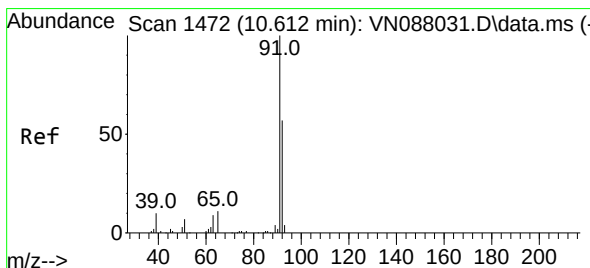
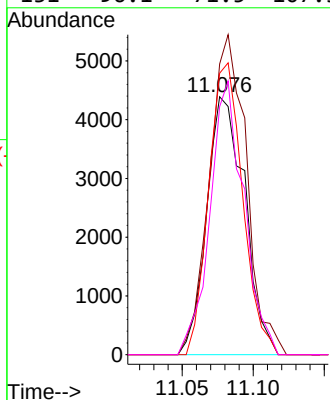
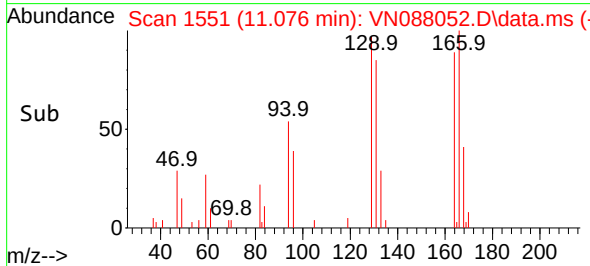
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2025



Tgt Ion:164 Resp: 8129
Ion Ratio Lower Upper
164 100
166 112.7 97.2 145.8
129 109.1 73.7 110.5
131 96.1 71.5 107.3

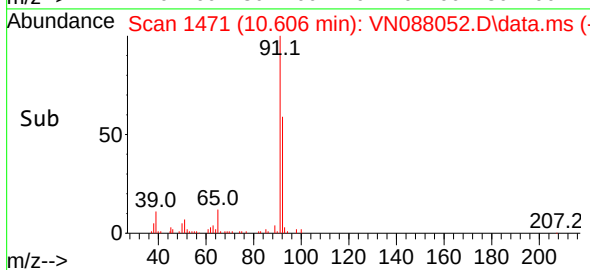
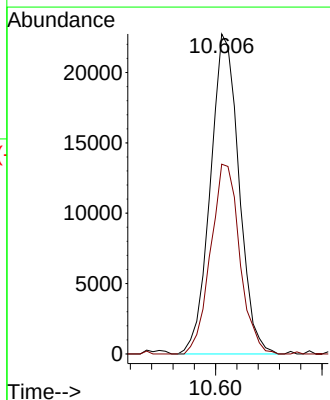
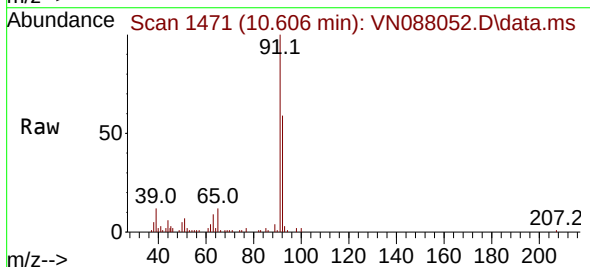
Manual Integrations
APPROVED

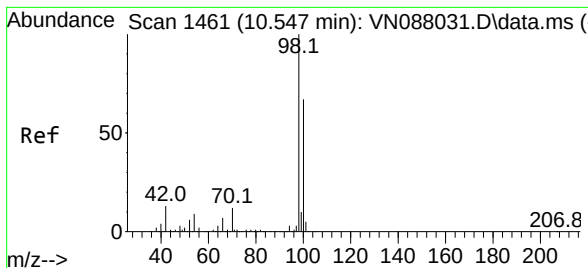
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#62
Toluene
Concen: 2.446 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

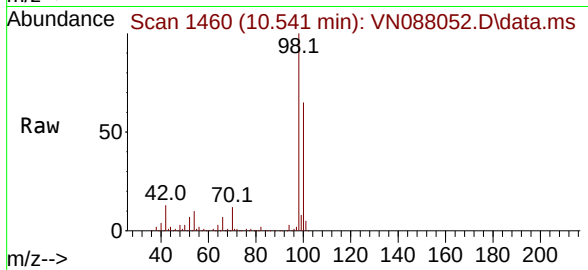
Tgt Ion: 91 Resp: 42377
Ion Ratio Lower Upper
91 100
92 60.1 45.8 68.8





#63
Toluene-d8
Concen: 30.776 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

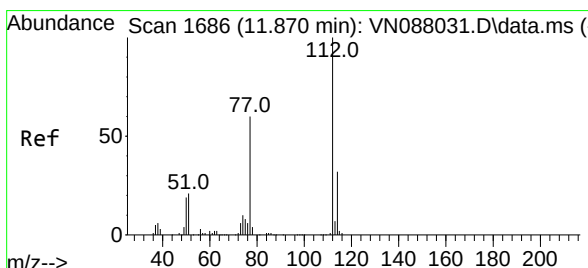
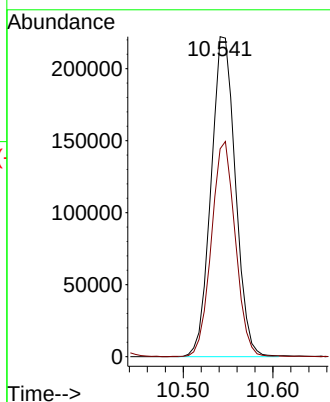
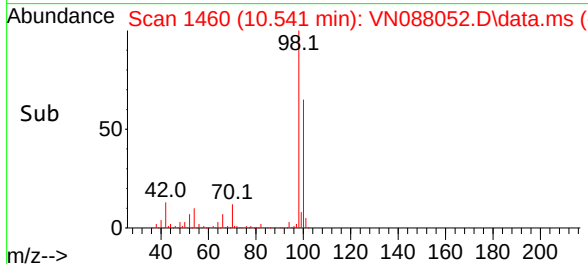
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025



Tgt Ion: 98 Resp: 418874
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7

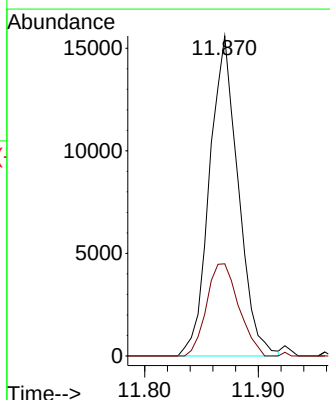
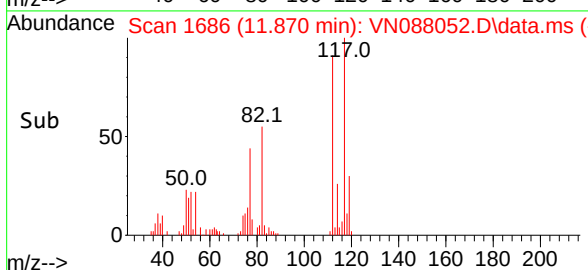
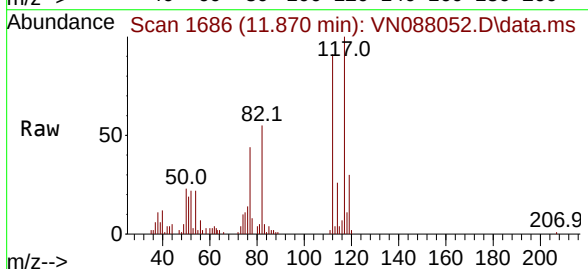
Manual Integrations
APPROVED

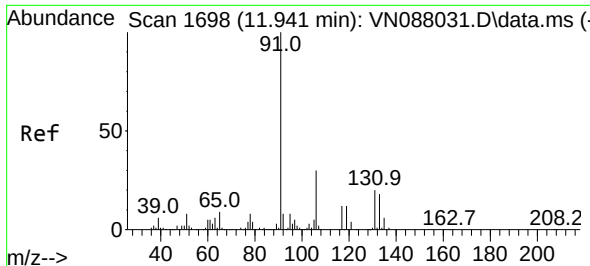
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#64
Chlorobenzene
Concen: 2.478 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Tgt Ion:112 Resp: 27423
Ion Ratio Lower Upper
112 100
114 28.8 25.7 38.5





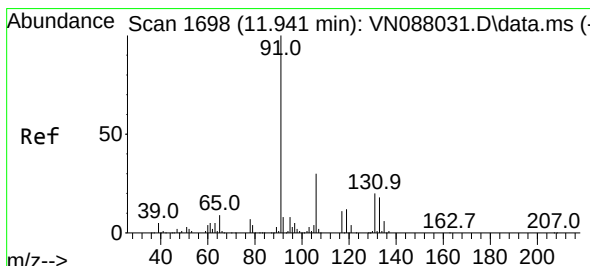
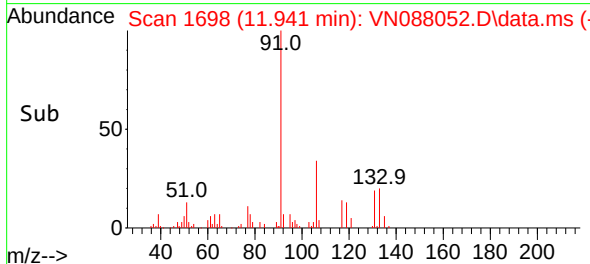
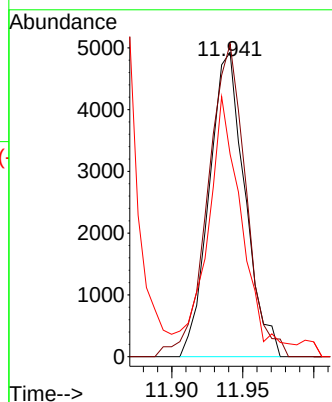
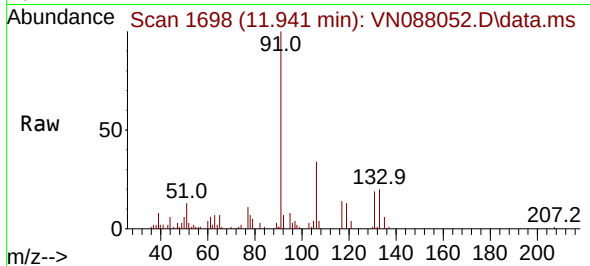
#65
1,1,1,2-Tetrachloroethane
Concen: 2.259 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2025

Tgt Ion: 131 Resp: 861
Ion Ratio Lower Upper
131 100
133 108.8 0.0 183.8
119 79.3 0.0 132.0

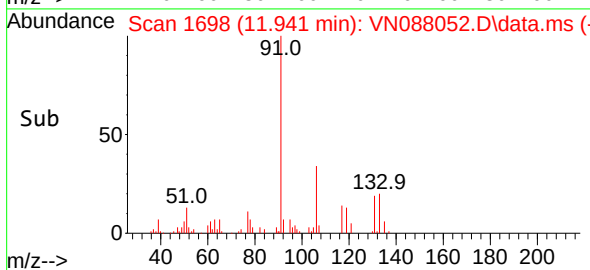
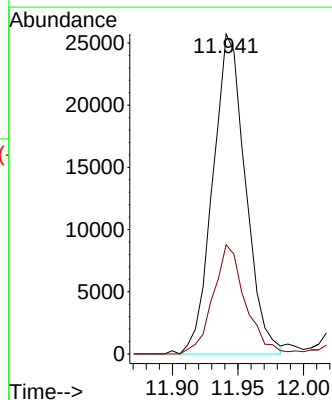
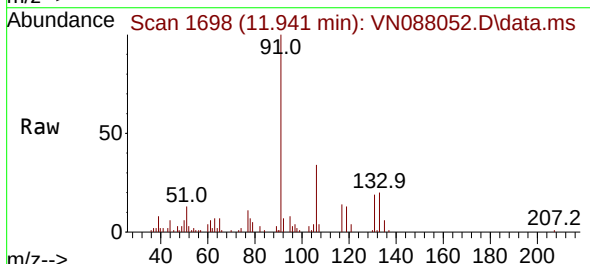
Manual Integrations
APPROVED

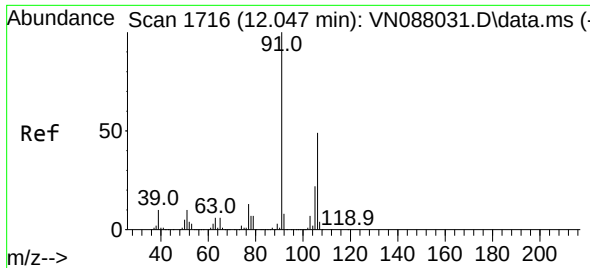
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#66
Ethyl Benzene
Concen: 2.359 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Tgt Ion: 91 Resp: 44453
Ion Ratio Lower Upper
91 100
106 34.2 24.0 36.0





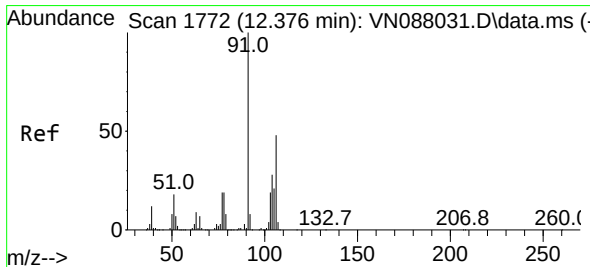
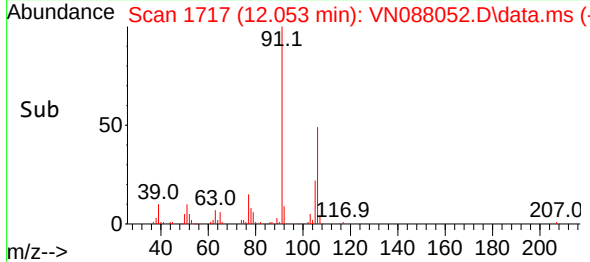
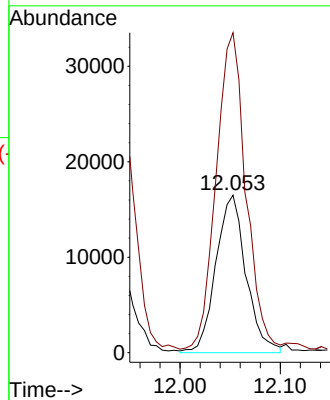
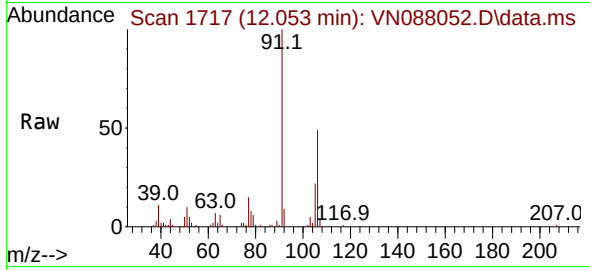
#67
m/p-Xylenes
Concen: 4.753 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025

Tgt Ion:106 Resp: 3452
Ion Ratio Lower Upper
106 100
91 199.1 161.4 242.0

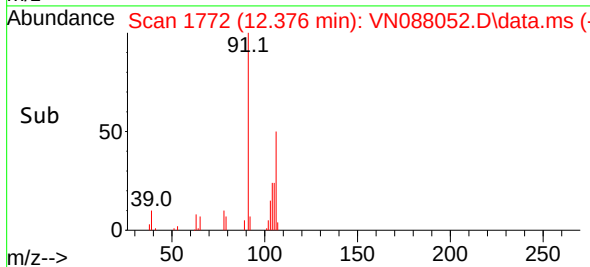
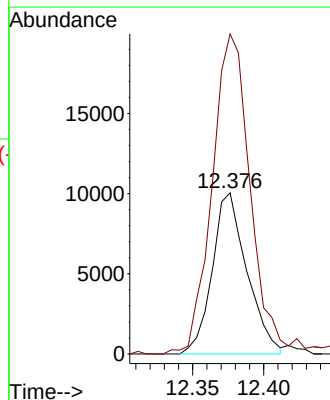
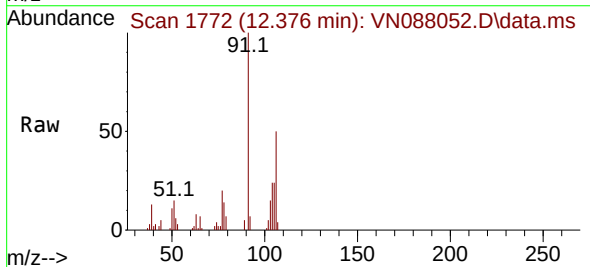
Manual Integrations
APPROVED

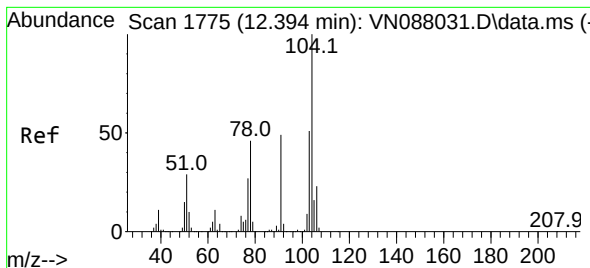
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#68
o-Xylene
Concen: 2.361 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Tgt Ion:106 Resp: 17069
Ion Ratio Lower Upper
106 100
91 208.4 105.2 315.6





#69

Styrene

Concen: 2.185 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN088052.D

Acq: 09 Oct 2025 11:20

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2025

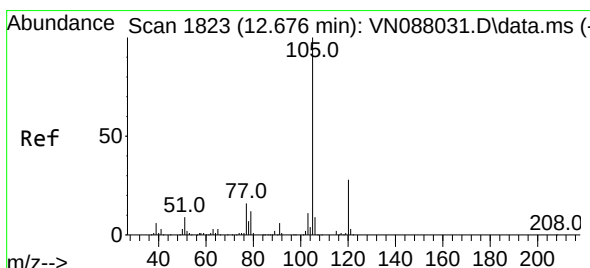
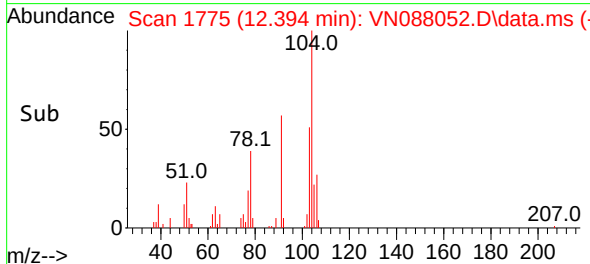
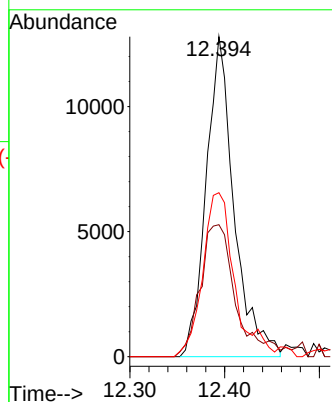
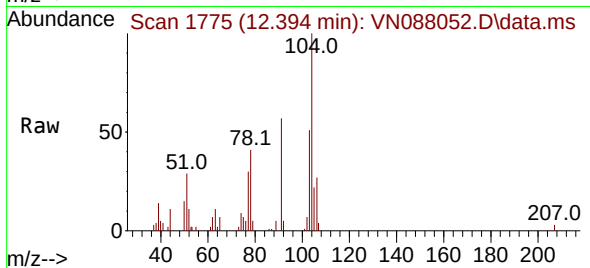
Tgt Ion:	104	Resp:	26140
Ion Ratio	Lower	Upper	
104	100		
78	50.2	41.8	62.6
103	55.0	44.9	67.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#70

Isopropylbenzene

Concen: 2.407 ug/l

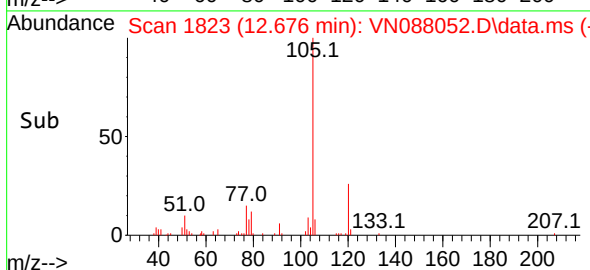
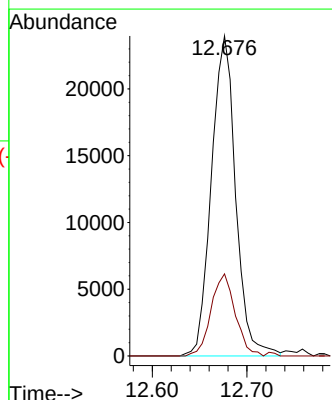
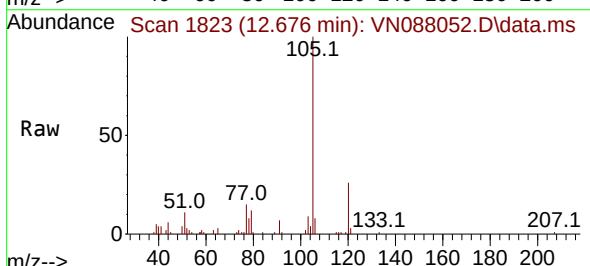
RT: 12.676 min Scan# 1823

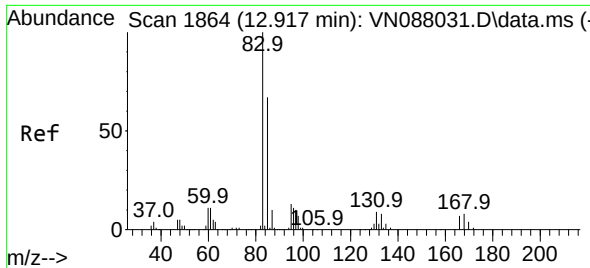
Delta R.T. 0.000 min

Lab File: VN088052.D

Acq: 09 Oct 2025 11:20

Tgt Ion:	105	Resp:	42663
Ion Ratio	Lower	Upper	
105	100		
120	25.4	19.1	35.5





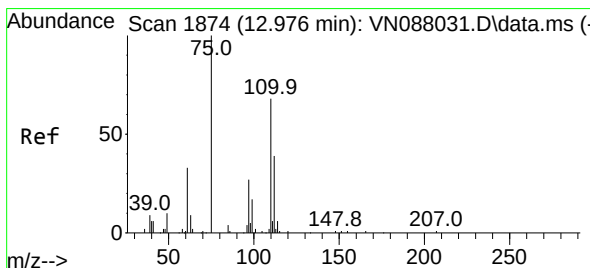
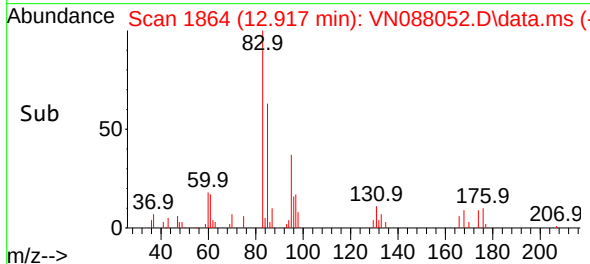
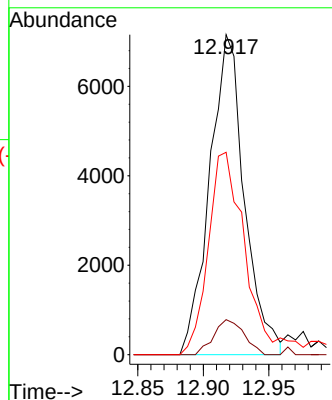
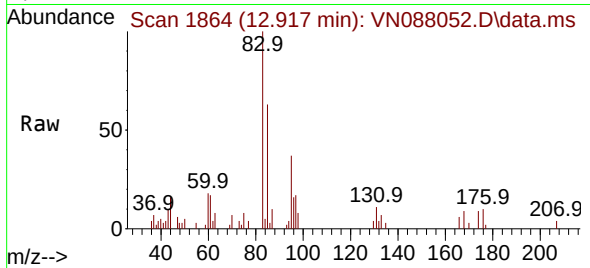
#71
1,1,2,2-Tetrachloroethane
Concen: 2.191 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. -0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2025

Tgt Ion: 83 Resp: 1316
Ion Ratio Lower Upper
83 100
131 9.6 4.8 14.3
85 64.6 32.4 97.2

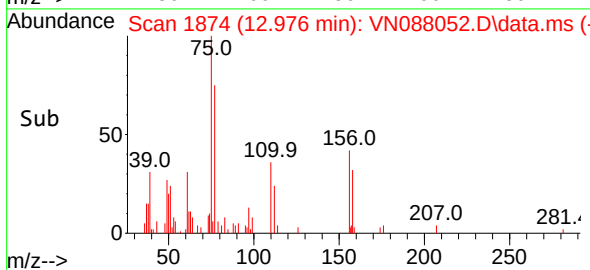
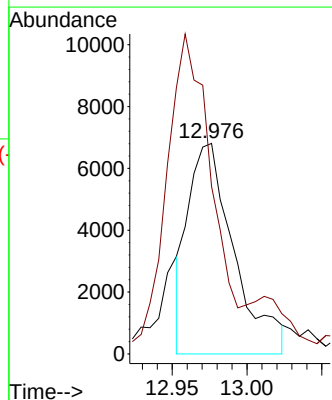
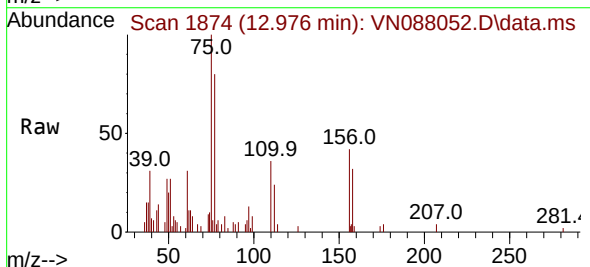
Manual Integrations
APPROVED

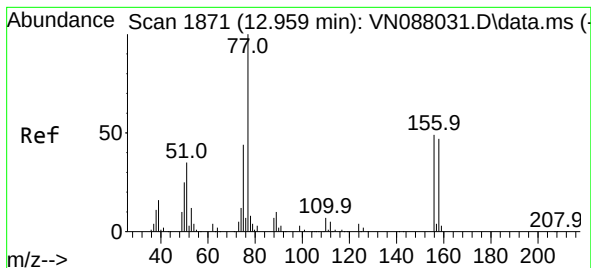
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#72
1,2,3-Trichloropropane
Concen: 2.616 ug/l m
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Tgt Ion: 75 Resp: 14598
Ion Ratio Lower Upper
75 100
77 141.1 0.0 364.0





#73

Bromobenzene

Concen: 2.253 ug/l

RT: 12.959 min Scan# 1871

Delta R.T. 0.000 min

Lab File: VN088052.D

Acq: 09 Oct 2025 11:20

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2025

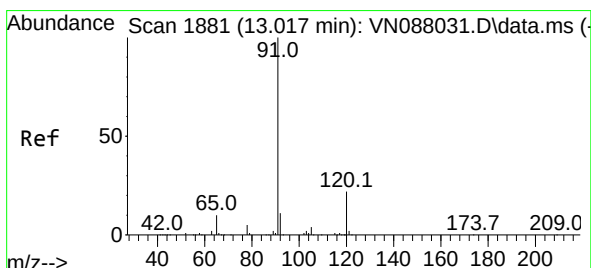
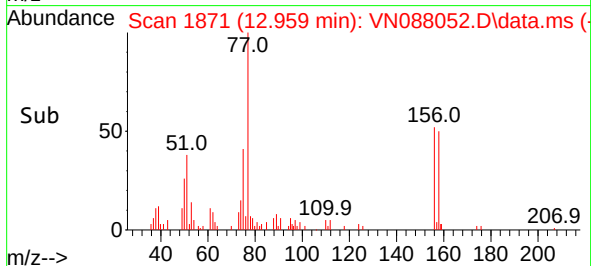
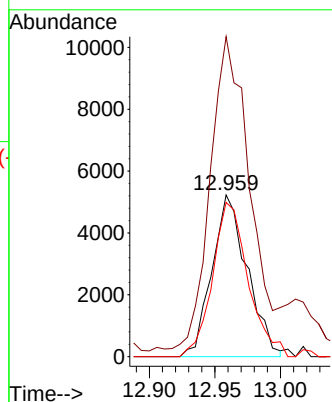
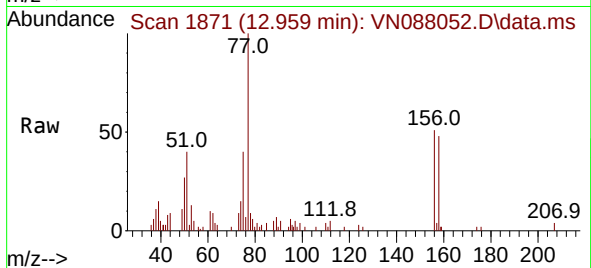
Tgt Ion:	156	Resp:	975
Ion Ratio	Lower	Upper	
156	100		
77	211.0	0.0	439.8
158	96.5	0.0	190.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#74

n-propylbenzene

Concen: 2.376 ug/l

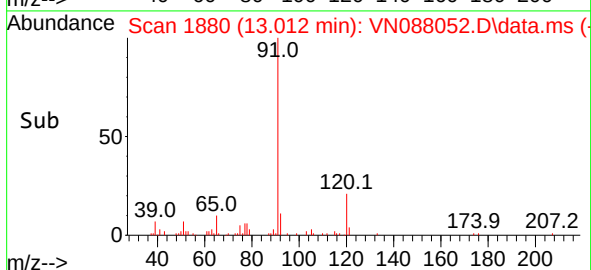
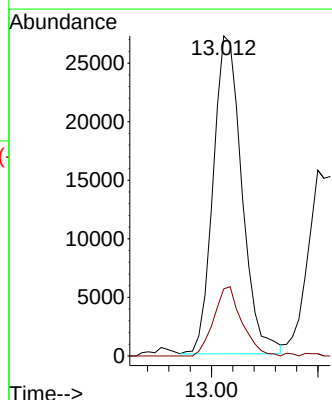
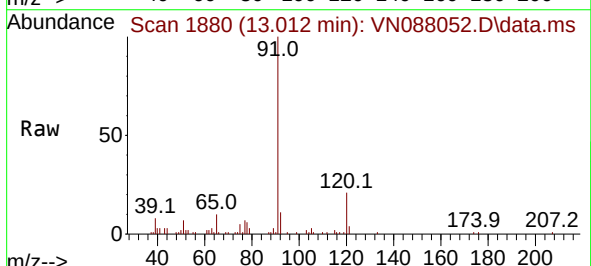
RT: 13.012 min Scan# 1880

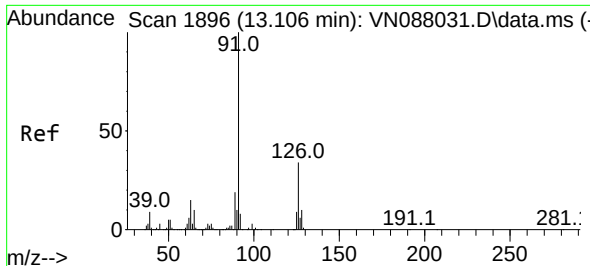
Delta R.T. -0.006 min

Lab File: VN088052.D

Acq: 09 Oct 2025 11:20

Tgt Ion:	91	Resp:	50827
Ion Ratio	Lower	Upper	
91	100		
120	21.2	0.0	46.2





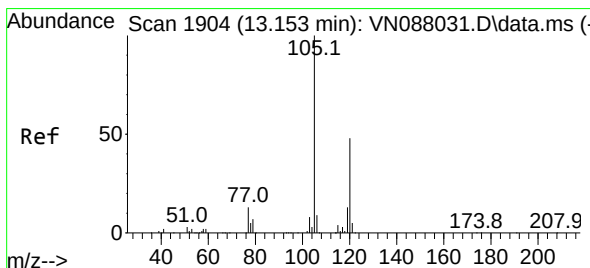
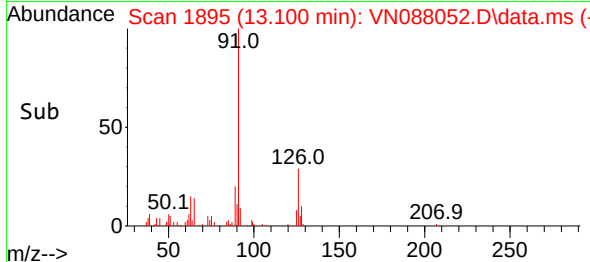
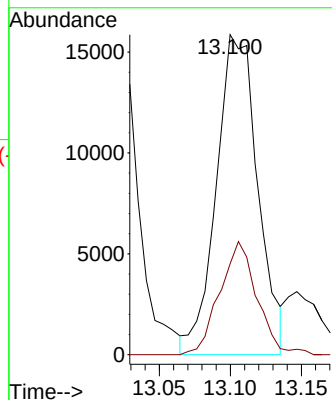
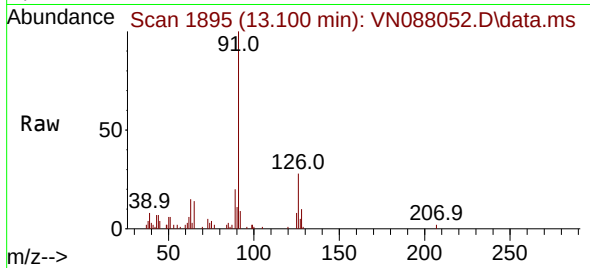
#75
2-Chlorotoluene
Concen: 2.460 ug/l
RT: 13.100 min Scan# 1896
Delta R.T. -0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2025

Tgt Ion: 91 Resp: 32170
Ion Ratio Lower Upper
91 100
126 31.4 0.0 66.6

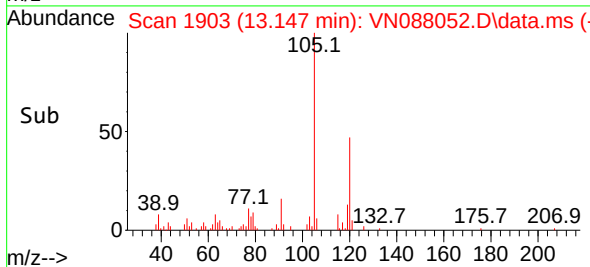
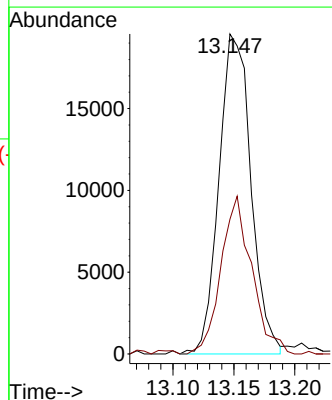
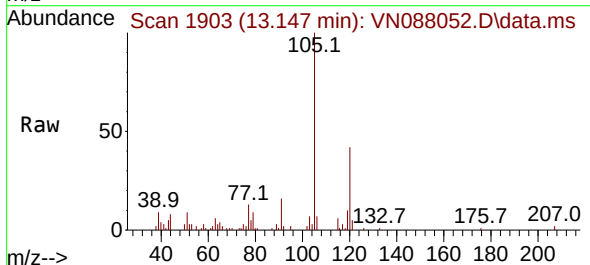
Manual Integrations
APPROVED

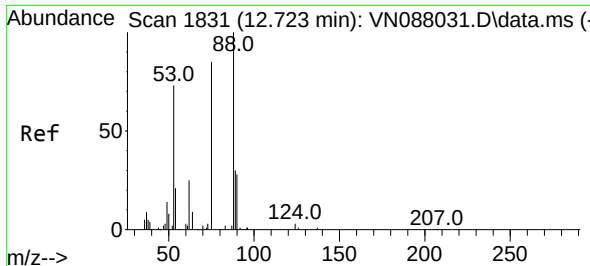
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#76
1,3,5-Trimethylbenzene
Concen: 2.374 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

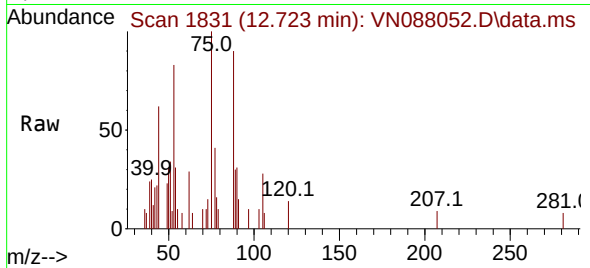
Tgt Ion:105 Resp: 35736
Ion Ratio Lower Upper
105 100
120 46.6 0.0 100.6





#77
t-1,4-Dichloro-2-butene
Concen: 2.391 ug/l m
RT: 12.723 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

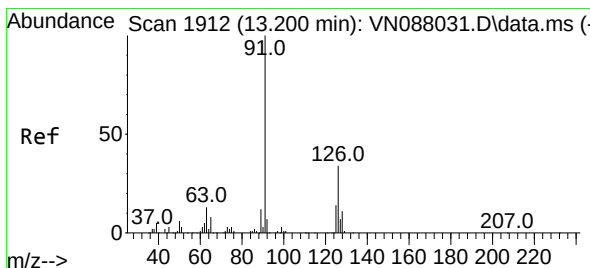
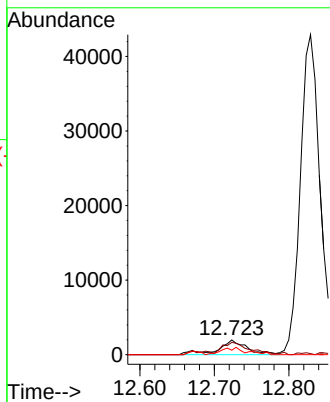
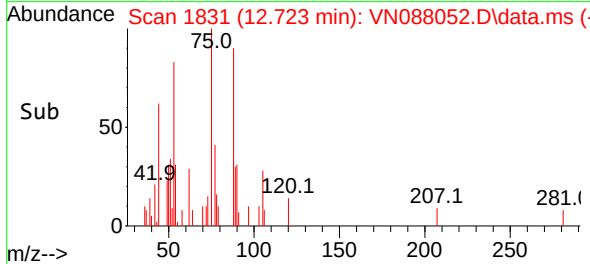
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2025



Tgt Ion: 75 Resp: 5310
Ion Ratio Lower Upper
75 100
53 83.2 41.8 125.3
89 30.4 19.9 59.6

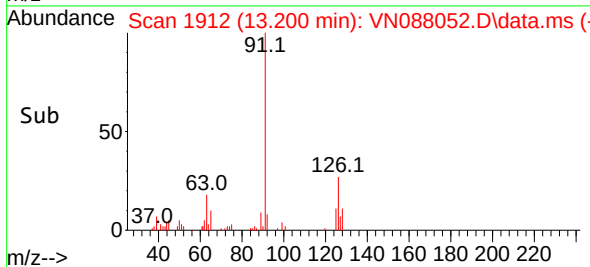
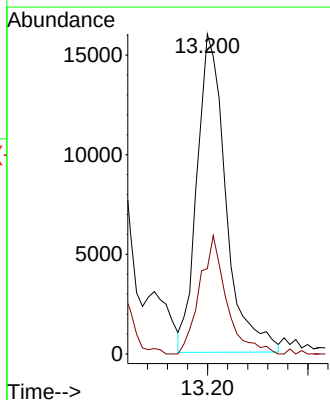
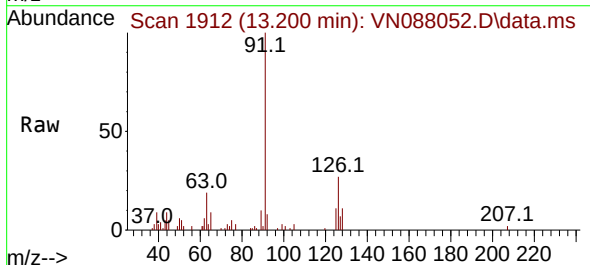
Manual Integrations
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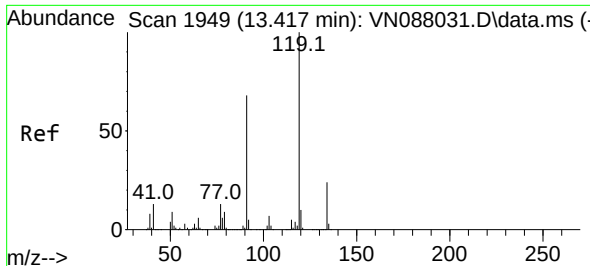
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#78
4-Chlorotoluene
Concen: 2.408 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Tgt Ion: 91 Resp: 32004
Ion Ratio Lower Upper
91 100
126 34.5 0.0 68.8





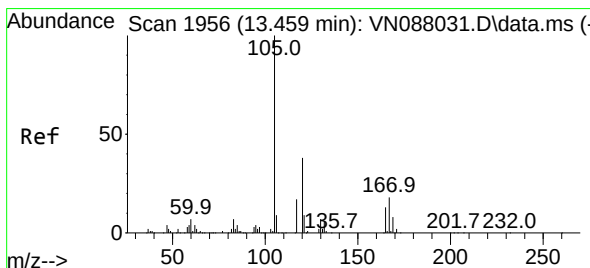
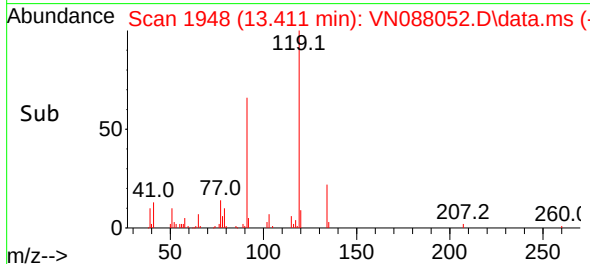
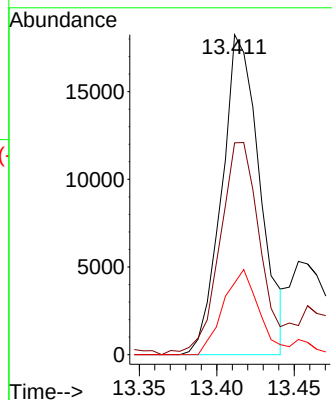
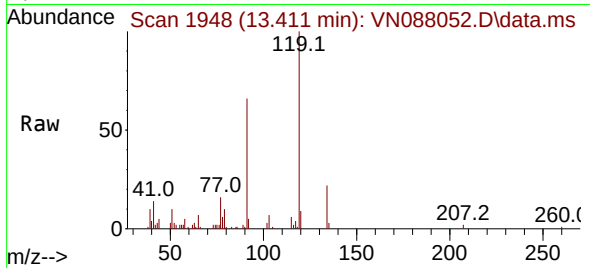
#79
tert-butylbenzene
Concen: 2.394 ug/l
RT: 13.411 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2025

Tgt Ion:119 Resp: 31238
Ion Ratio Lower Upper
119 100
91 69.0 0.0 132.4
134 25.1 0.0 48.6

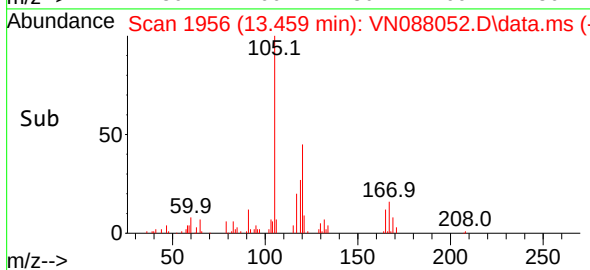
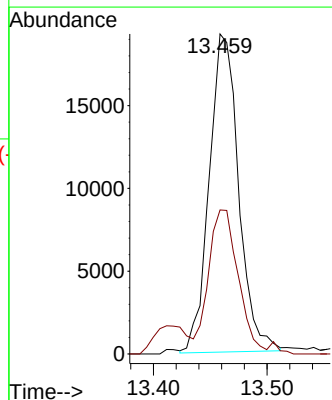
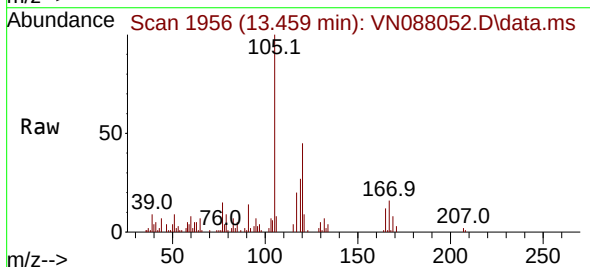
Manual Integrations
APPROVED

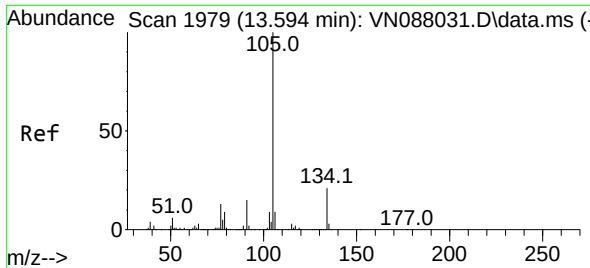
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#80
1,2,4-Trimethylbenzene
Concen: 2.296 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Tgt Ion:105 Resp: 34595
Ion Ratio Lower Upper
105 100
120 45.4 0.0 93.8





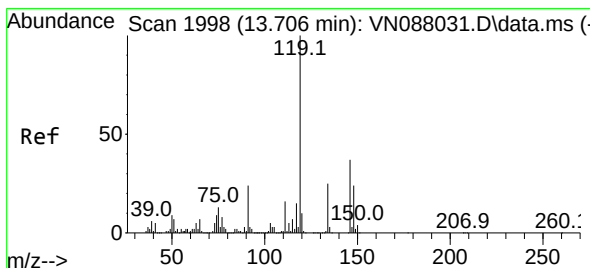
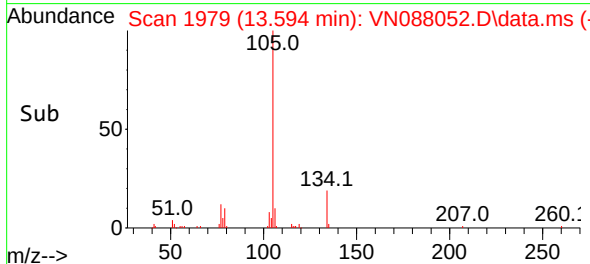
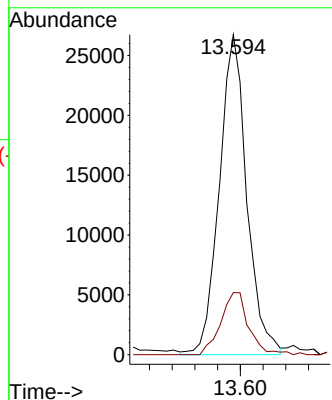
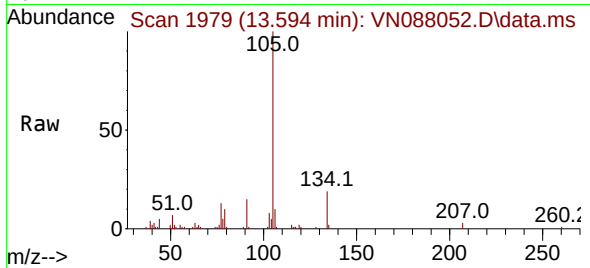
#81
 sec-Butylbenzene
 Concen: 2.447 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN088052.D
 Acq: 09 Oct 2025 11:20

Instrument : MSVOA_N
 ClientSampleId : MDL-WATER-03-QT3-2025

Tgt Ion:105 Resp: 44904
 Ion Ratio Lower Upper
 105 100
 134 19.1 0.0 41.2

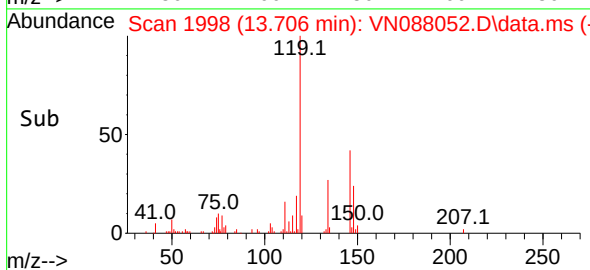
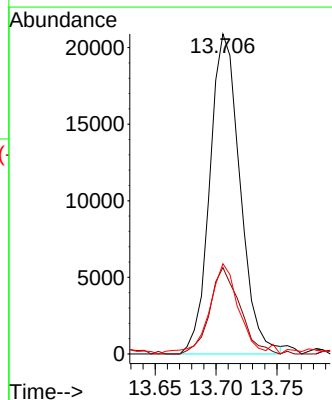
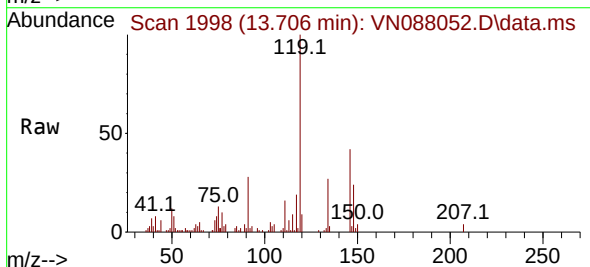
Manual Integrations
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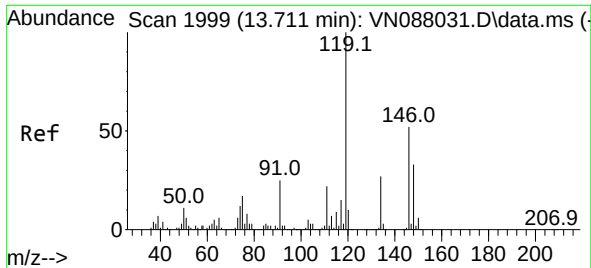
Reviewed By :John Carlone 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#82
 p-Isopropyltoluene
 Concen: 2.310 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN088052.D
 Acq: 09 Oct 2025 11:20

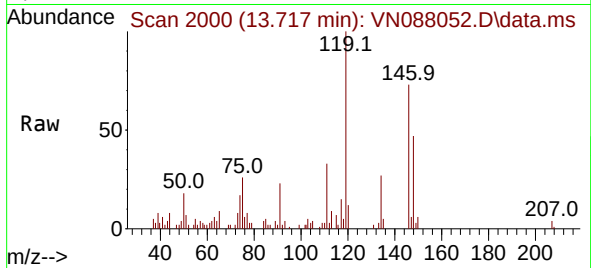
Tgt Ion:119 Resp: 36189
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 52.6
 91 27.0 0.0 48.2





#83
1,3-Dichlorobenzene
Concen: 2.179 ug/l
RT: 13.717 min Scan# 2000
Delta R.T. 0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

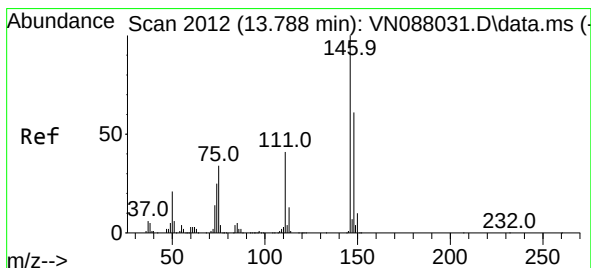
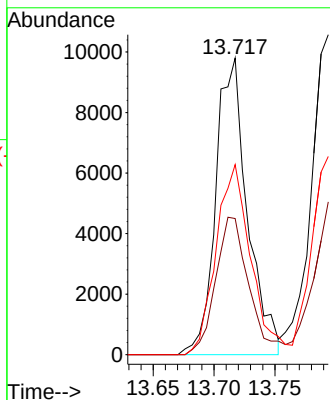
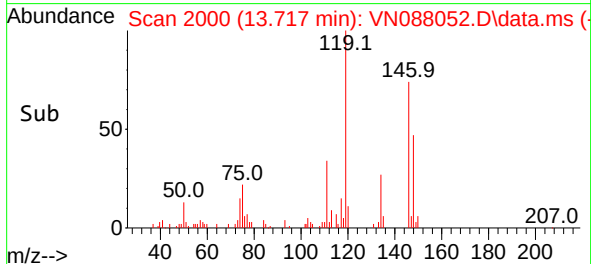
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025



Tgt Ion:146 Resp: 1775
Ion Ratio Lower Upper
146 100
111 47.4 21.1 63.1
148 70.6 31.5 94.5

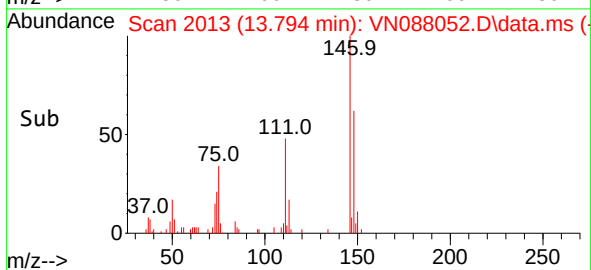
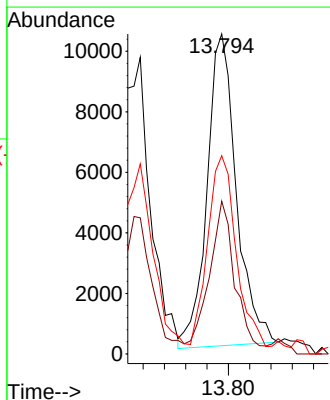
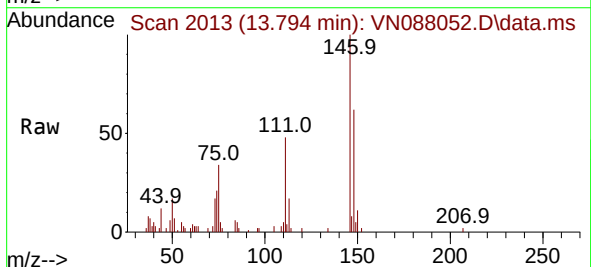
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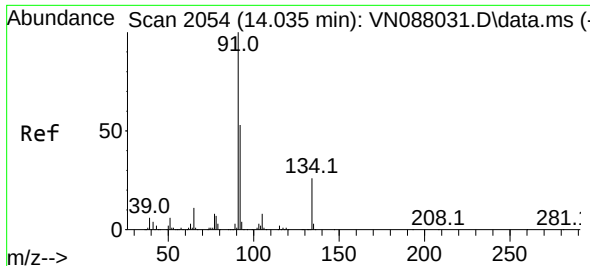
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#84
1,4-Dichlorobenzene
Concen: 2.337 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

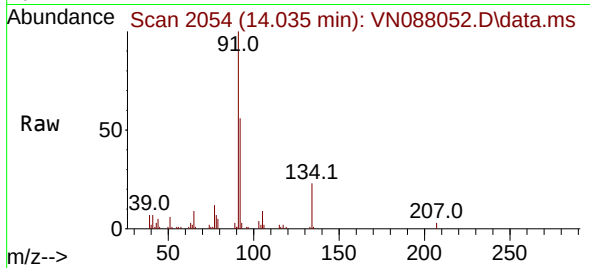
Tgt Ion:146 Resp: 19640
Ion Ratio Lower Upper
146 100
111 44.2 20.5 61.6
148 64.3 31.9 95.9





#85
n-Butylbenzene
Concen: 2.430 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

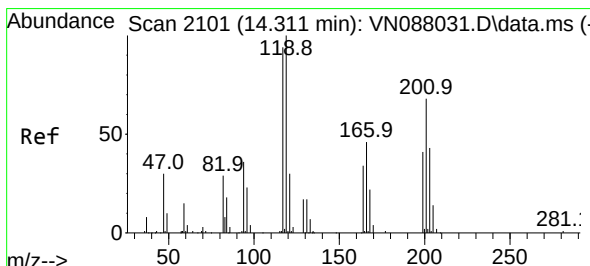
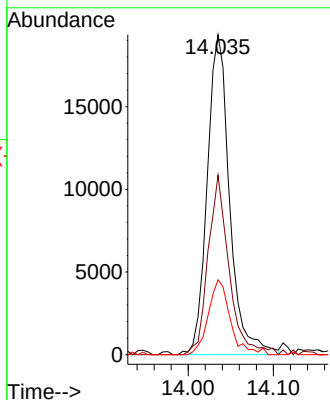
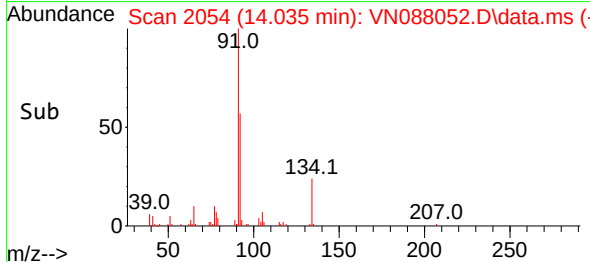
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025



Tgt Ion: 91 Resp: 3541
Ion Ratio Lower Upper
91 100
92 52.2 0.0 107.6
134 22.5 0.0 52.6

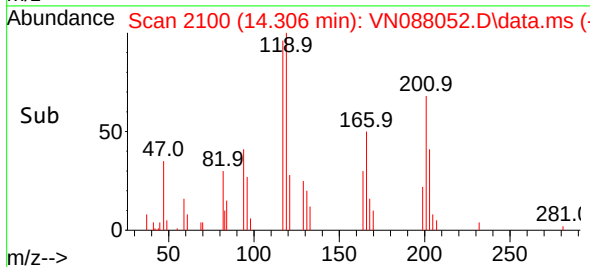
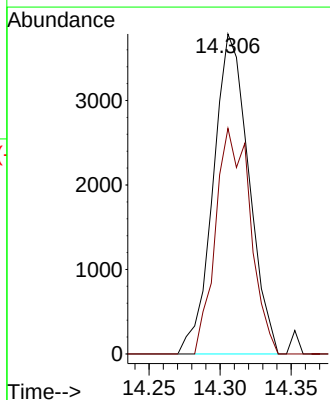
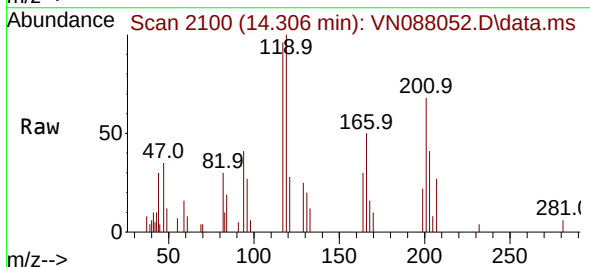
Manual Integrations
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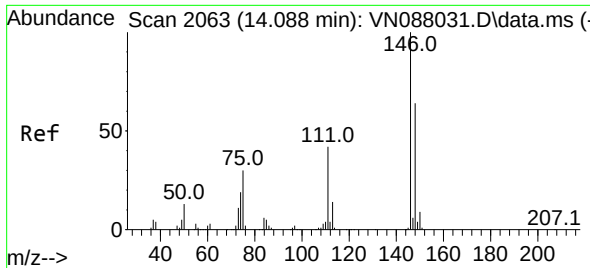
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#86
Hexachloroethane
Concen: 2.107 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Tgt Ion:117 Resp: 6612
Ion Ratio Lower Upper
117 100
201 68.7 34.8 104.3





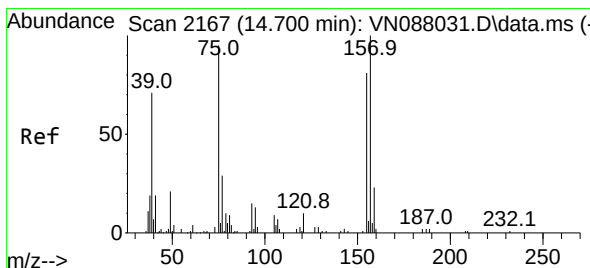
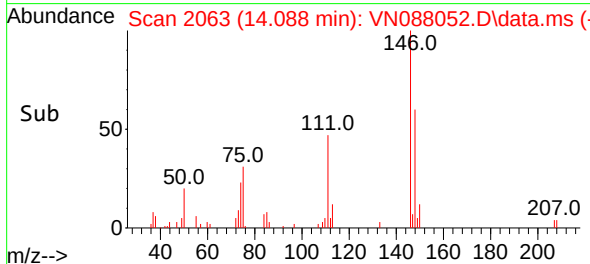
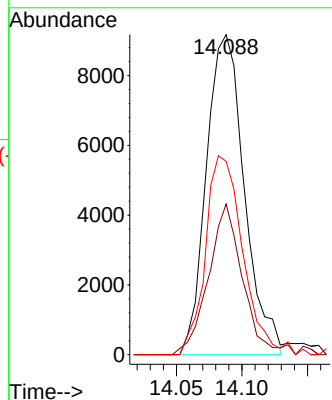
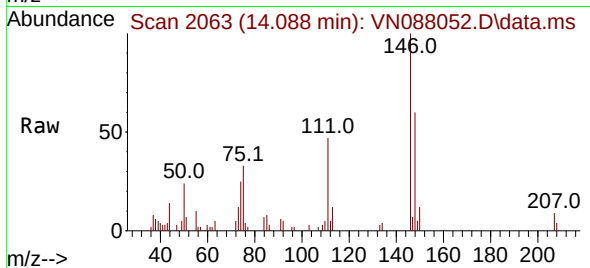
#87
1,2-Dichlorobenzene
Concen: 2.307 ug/l
RT: 14.088 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025

Tgt Ion:146 Resp: 1849
Ion Ratio Lower Upper
146 100
111 41.8 22.3 66.8
148 60.4 31.4 94.3

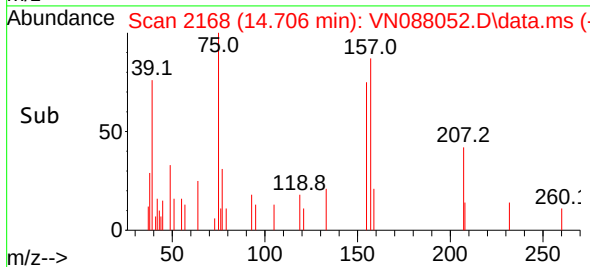
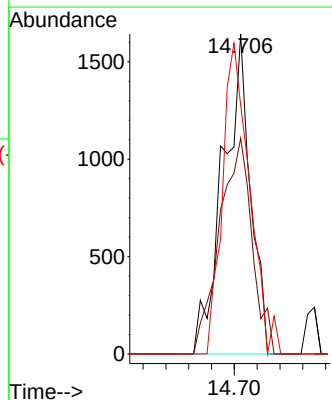
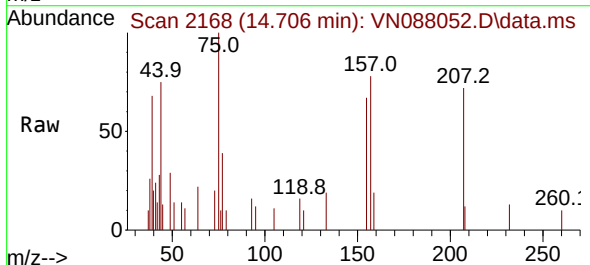
Manual Integrations
APPROVED

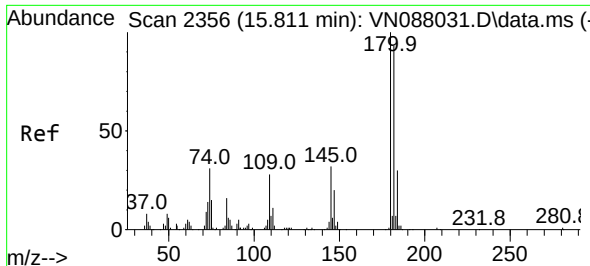
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 1.970 ug/l m
RT: 14.706 min Scan# 2168
Delta R.T. 0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

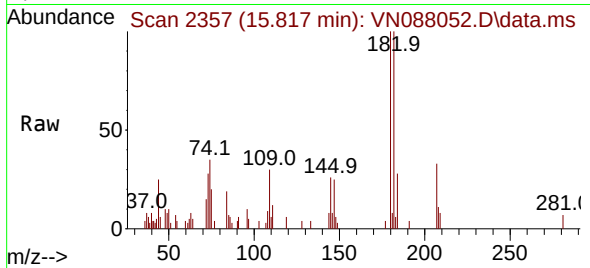
Tgt Ion: 75 Resp: 2719
Ion Ratio Lower Upper
75 100
155 80.4 63.5 95.3
157 94.3 81.7 122.5





#89
1,2,4-Trichlorobenzene
Concen: 2.214 ug/l
RT: 15.817 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

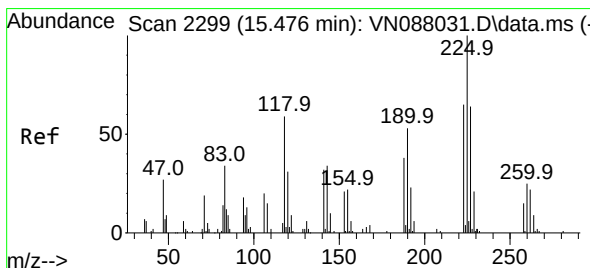
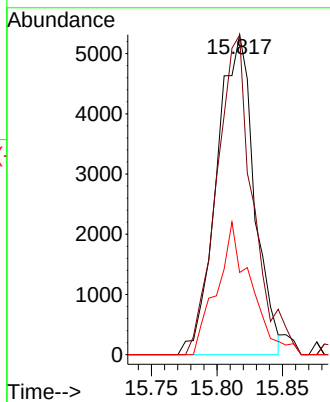
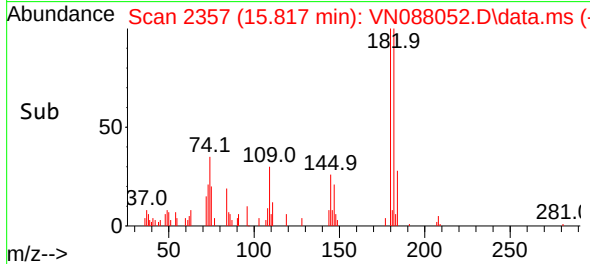
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2025



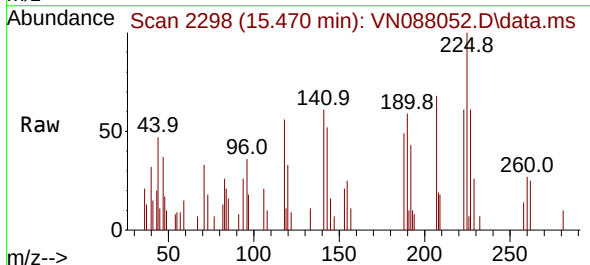
Tgt Ion:180 Resp: 1057
Ion Ratio Lower Upper
180 100
182 91.6 74.6 112.0
145 37.8 27.2 40.8

Manual Integrations
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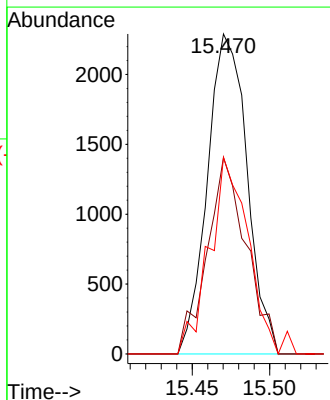
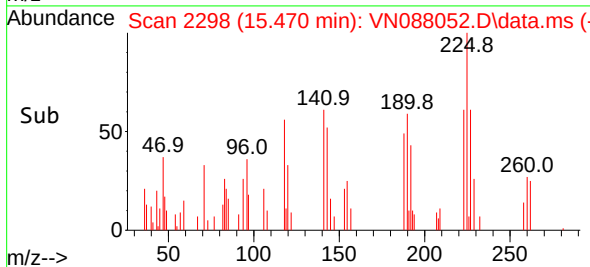
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

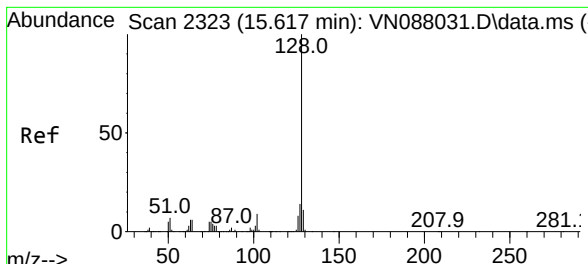


#90
Hexachlorobutadiene
Concen: 2.451 ug/l
RT: 15.470 min Scan# 2298
Delta R.T. -0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20



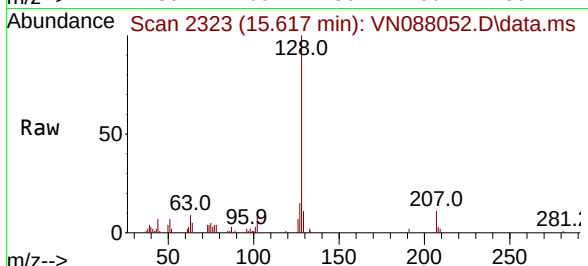
Tgt Ion:225 Resp: 4074
Ion Ratio Lower Upper
225 100
223 60.4 0.0 129.6
227 59.5 0.0 132.2





#91
Naphthalene
Concen: 2.147 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20

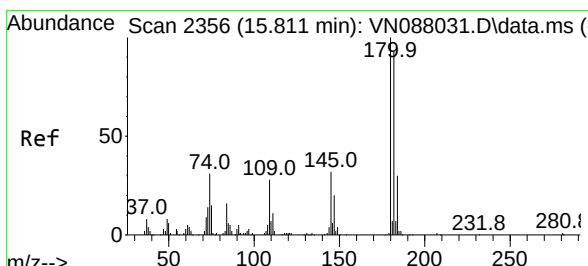
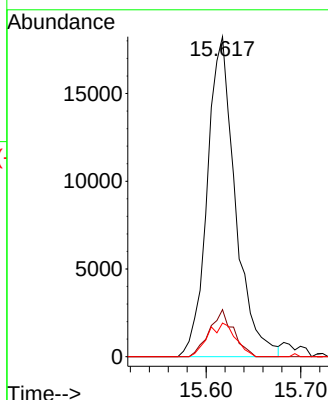
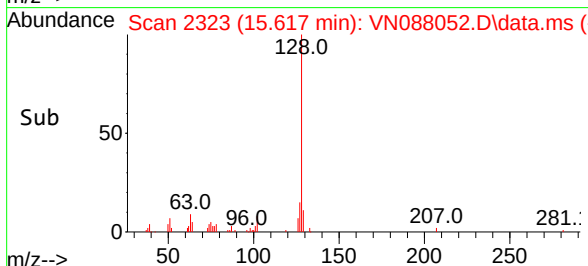
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2025



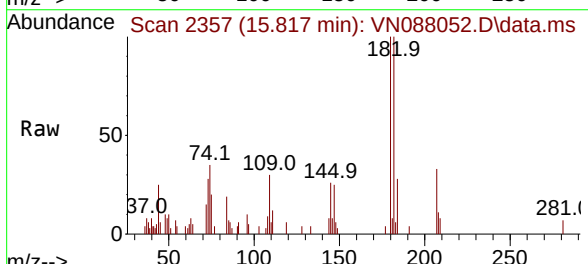
Tgt Ion:128 Resp: 37538
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.4 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#92
1,2,3-Trichlorobenzene
Concen: 2.214 ug/l
RT: 15.817 min Scan# 2357
Delta R.T. 0.006 min
Lab File: VN088052.D
Acq: 09 Oct 2025 11:20



Tgt Ion:180 Resp: 10573
Ion Ratio Lower Upper
180 100
182 91.6 0.0 186.6
145 37.8 0.0 68.0

