

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087177.D
 Acq On : 25 Jun 2025 14:58
 Operator : JC\MD
 Sample : Q2126-07 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025

Quant Time: Jun 26 04:02:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/26/2025
 Supervised By : Mahesh Dadoda 06/26/2025

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

Internal Standards						
1) Bromochloromethane	7.824	128	35045	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	193064	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	171041	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	79412	30.075	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.233%	
60) 4-Bromofluorobenzene	12.847	95	77918	29.522	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 98.400%	
63) Toluene-d8	10.571	98	235489	30.664	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.159	85	4411	2.091	ug/l	100
3) Chloromethane	2.401	50	5072	2.354	ug/l	89
4) Vinyl Chloride	2.553	62	4816	2.057	ug/l	98
5) Bromomethane	2.995	94	1592m	1.281	ug/l	
6) Chloroethane	3.159	64	2536	2.019	ug/l	98
7) Trichlorofluoromethane	3.530	101	5335	1.857	ug/l	88
8) Diethyl Ether	3.989	74	2835	2.009	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.400	101	5090	2.390	ug/l #	45
10) 1,1-Dichloroethene	4.371	96	4647	2.189	ug/l	90
11) Methyl Iodide	4.606	142	1520m	0.799	ug/l	
12) Methyl Acetate	5.042	43	6828m	2.051	ug/l	
13) Acrolein	4.212	56	3673	7.178	ug/l #	79
14) Acrylonitrile	5.741	53	17098	11.008	ug/l #	60
15) Acetone	4.453	58	4950m	10.925	ug/l	
16) Carbon Disulfide	4.742	76	15399	2.481	ug/l #	92
17) Allyl chloride	5.047	41	7812m	2.231	ug/l	
18) Methylene Chloride	5.294	84	6243	2.539	ug/l #	92
19) trans-1,2-Dichloroethene	5.806	96	5618	2.420	ug/l	85
20) Diisopropyl ether	6.683	45	16139	2.173	ug/l #	97
21) 1,1-Dichloroethane	6.577	63	9999m	2.252	ug/l	
22) cis-1,2-Dichloroethene	7.500	96	6196	2.293	ug/l	94
23) tert-Butyl Alcohol	5.536	59	6403m	10.962	ug/l	
24) Methyl tert-Butyl Ether	5.818	73	15427	2.072	ug/l #	78
25) Chloroform	7.977	83	10349	2.433	ug/l	95
26) Cyclohexane	8.265	56	8210	2.225	ug/l #	95
29) 1,1-Dichloropropene	8.382	75	6746	2.242	ug/l	97
30) 2-Butanone	7.494	43	22400	11.035	ug/l	97
31) 2,2-Dichloropropane	7.494	77	7794	2.146	ug/l	97
32) 1,1,1-Trichloroethane	8.182	97	8224	2.339	ug/l	97
33) Carbon Tetrachloride	8.371	117	6794	2.296	ug/l	97
34) Benzene	8.612	78	22416	2.351	ug/l #	74
35) Methacrylonitrile	7.783	41	4525	2.212	ug/l	86
36) 1,2-Dichloroethane	8.677	62	7157	2.324	ug/l #	93
37) Trichloroethene	9.359	130	5385	2.449	ug/l	89
38) Methylcyclohexane	9.606	83	7782	2.254	ug/l	96
39) 1,2-Dichloropropane	9.624	63	5432	2.270	ug/l #	88
40) Dibromomethane	9.712	93	4027	2.475	ug/l	90
41) Bromodichloromethane	9.894	83	7729	2.353	ug/l #	92
42) Vinyl Acetate	6.624	43	64025	9.698	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.577	43	9187m	2.507	ug/l	
44) Isopropyl Acetate	8.694	43	12835	2.150	ug/l #	77
45) 1,4-Dioxane	9.712	88	1441m	35.681	ug/l	
46) Methyl methacrylate	9.688	41	5726m	2.063	ug/l	
47) n-amyl Acetate	12.641	43	10651m	2.918	ug/l	
48) t-1,3-Dichloropropene	10.841	75	7493	2.047	ug/l #	87
49) cis-1,3-Dichloropropene	10.318	75	8229	2.114	ug/l	95
50) 1,1,2-Trichloroethane	11.018	97	5196	2.248	ug/l #	86
51) Ethyl methacrylate	10.888	69	5181m	1.473	ug/l	
52) 1,3-Dichloropropane	11.165	76	8573	2.161	ug/l	98
53) Dibromochloromethane	11.359	129	5311	2.189	ug/l	96
54) 1,2-Dibromoethane	11.471	107	5187	2.175	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	18763	9.305	ug/l	97
56) Bromoform	12.582	173	3179	1.906	ug/l #	98
58) 4-Methyl-2-Pentanone	10.453	43	33281	9.679	ug/l	91
59) 2-Hexanone	11.265	43	9277m	4.178	ug/l	
61) Tetrachloroethene	11.100	164	4296	2.536	ug/l #	87
62) Toluene	10.629	91	23533	2.436	ug/l	99
64) Chlorobenzene	11.894	112	14104	2.289	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.965	131	4641	2.279	ug/l	98
66) Ethyl Benzene	11.965	91	22292	2.108	ug/l	100
67) m/p-Xylenes	12.070	106	17323	4.275	ug/l	99
68) o-Xylene	12.394	106	8154	2.109	ug/l	98
69) Styrene	12.412	104	12979	1.956	ug/l	99
70) Isopropylbenzene	12.694	105	19971	2.074	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	8197	2.365	ug/l	96
72) 1,2,3-Trichloropropane	12.994	75	6555m	2.194	ug/l	
73) Bromobenzene	12.976	156	5466	2.341	ug/l	94
74) n-propylbenzene	13.035	91	25410	2.160	ug/l	99
75) 2-Chlorotoluene	13.129	91	16342	2.300	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	16837	2.148	ug/l	96
77) t-1,4-Dichloro-2-butene	12.741	75	2270	1.713	ug/l	83
78) 4-Chlorotoluene	13.223	91	15930	2.189	ug/l	96
79) tert-butylbenzene	13.435	119	13566	2.059	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	15637	1.987	ug/l	99
81) sec-Butylbenzene	13.617	105	19062	1.990	ug/l	99
82) p-Isopropyltoluene	13.729	119	15737	1.975	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	9840	2.188	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	10222	2.258	ug/l	98
85) n-Butylbenzene	14.053	91	15210	2.092	ug/l	96
86) Hexachloroethane	14.329	117	3310	2.194	ug/l	94
87) 1,2-Dichlorobenzene	14.106	146	9756	2.301	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	1868	2.394	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	5664m	2.361	ug/l	
90) Hexachlorobutadiene	15.494	225	1628	2.287	ug/l	87
91) Naphthalene	15.635	128	18300	1.938	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	5663	2.361	ug/l	92

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

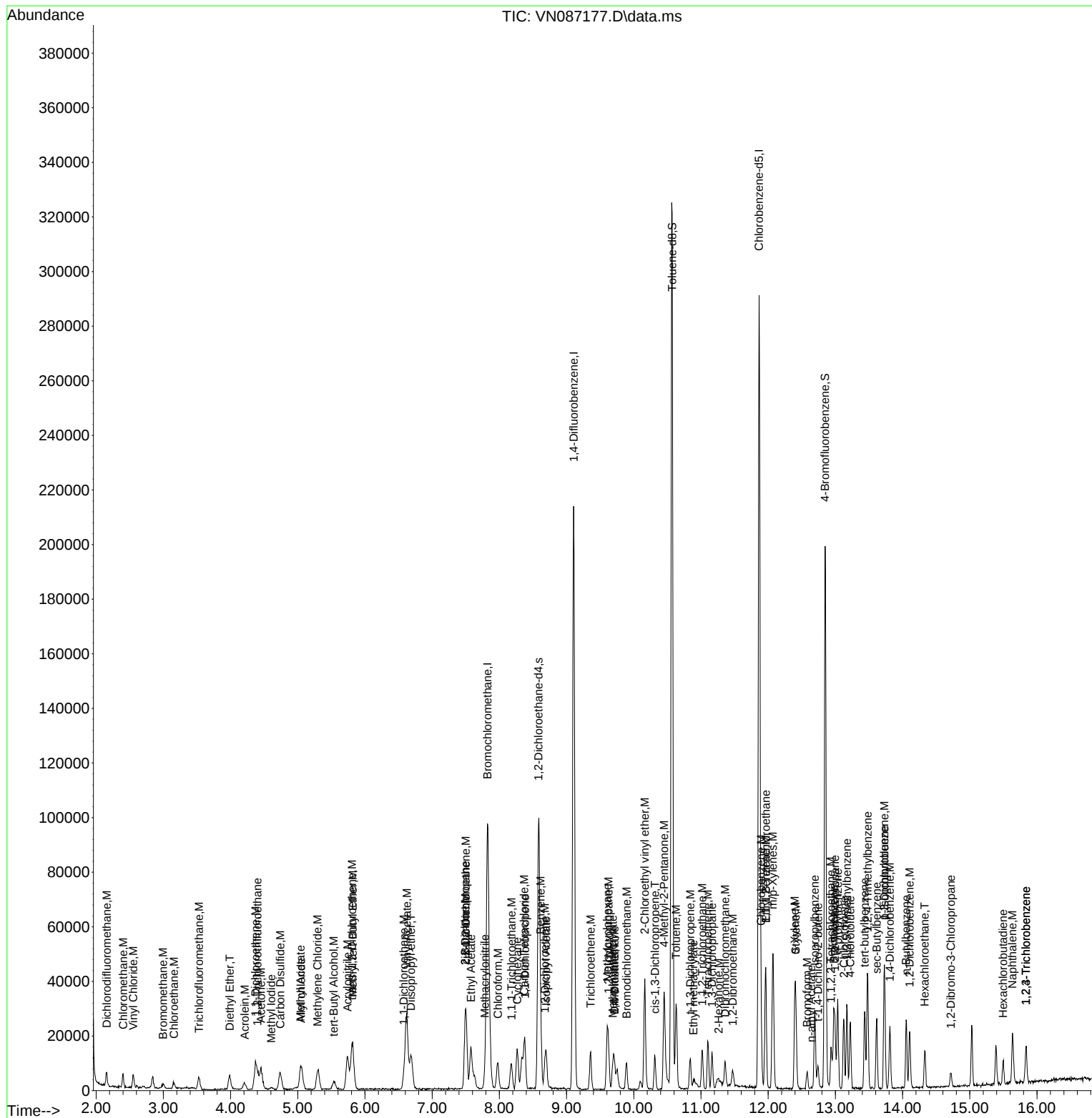
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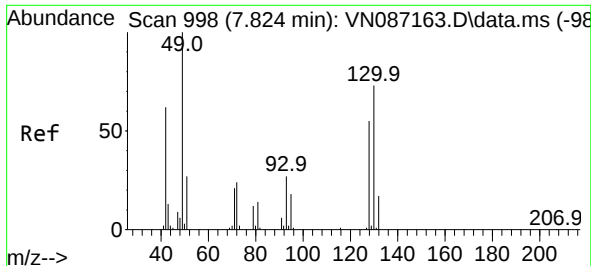
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MSVOA_N
ClientSampleId :
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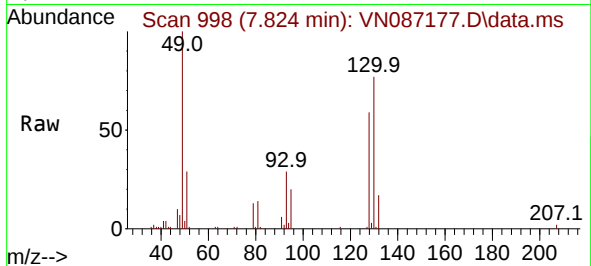
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN087177.D
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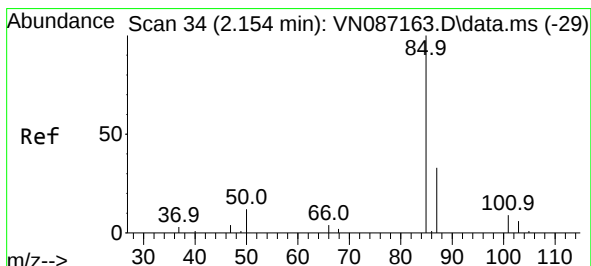
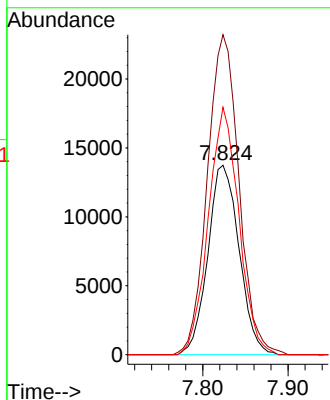
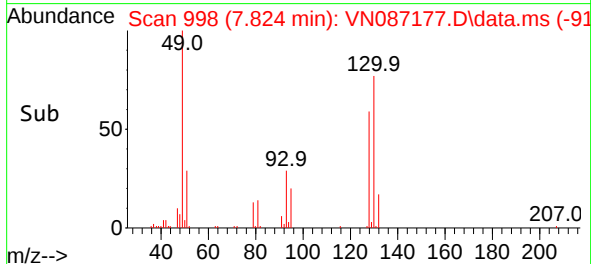
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion:128 Resp: 3504
Ion Ratio Lower Upper
128 100
49 170.5 0.0 450.5
130 127.7 0.0 320.7

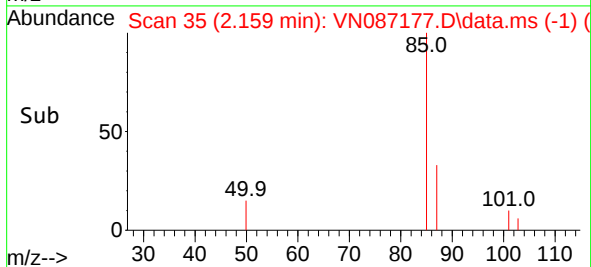
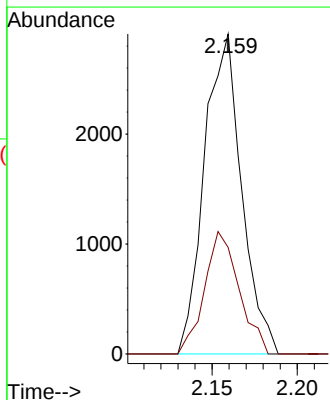
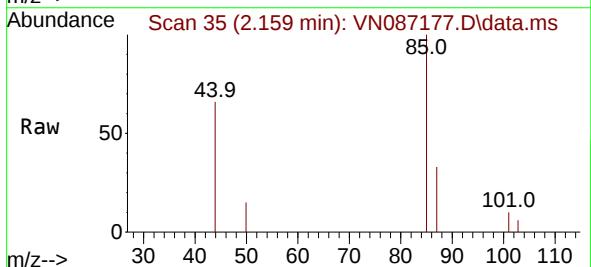
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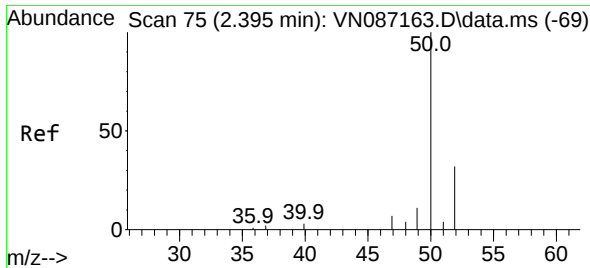
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#2
Dichlorodifluoromethane
Concen: 2.091 ug/l
RT: 2.159 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Tgt Ion: 85 Resp: 4411
Ion Ratio Lower Upper
85 100
87 33.3 16.7 50.0





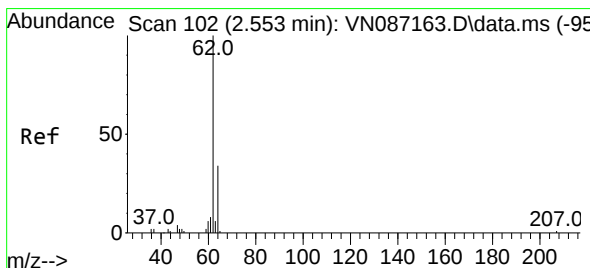
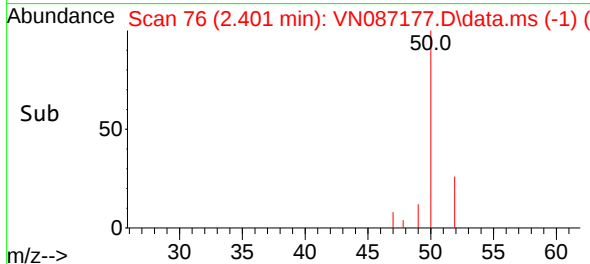
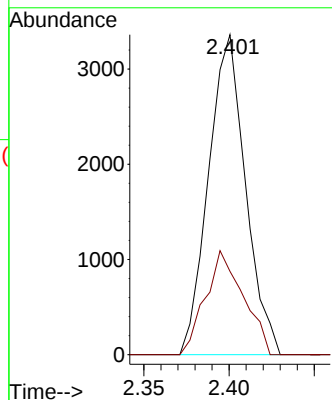
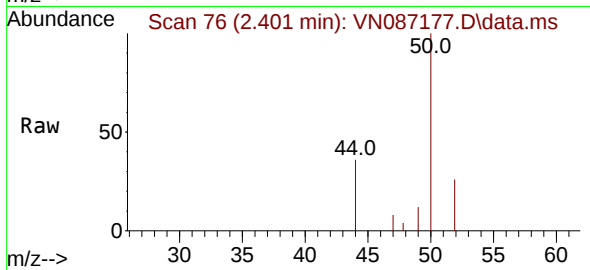
#3
Chloromethane
Concen: 2.354 ug/l
RT: 2.401 min Scan# 75
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument :
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ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 50 Resp: 5072
Ion Ratio Lower Upper
50 100
52 26.1 25.9 38.9

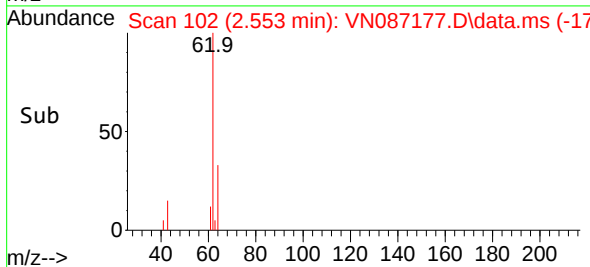
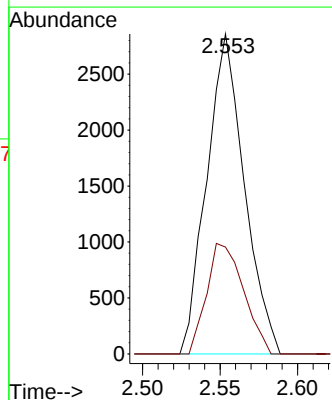
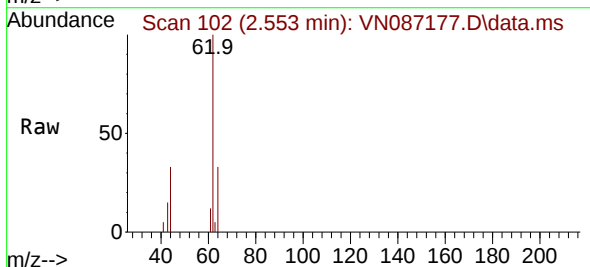
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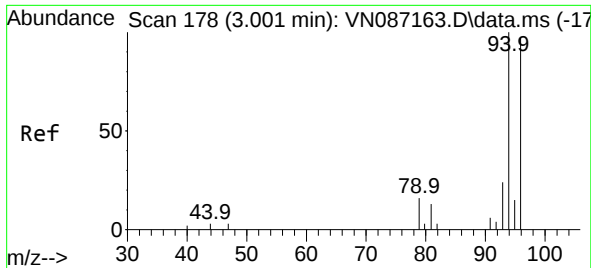
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#4
Vinyl Chloride
Concen: 2.057 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

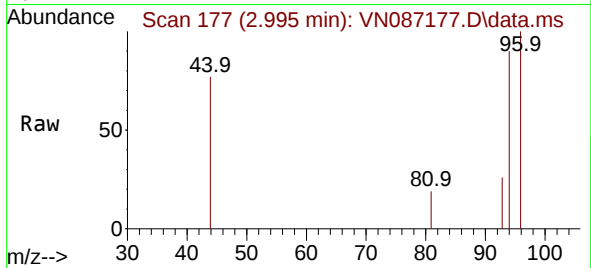
Tgt Ion: 62 Resp: 4816
Ion Ratio Lower Upper
62 100
64 33.4 27.4 41.2





#5
Bromomethane
Concen: 1.281 ug/l m
RT: 2.995 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

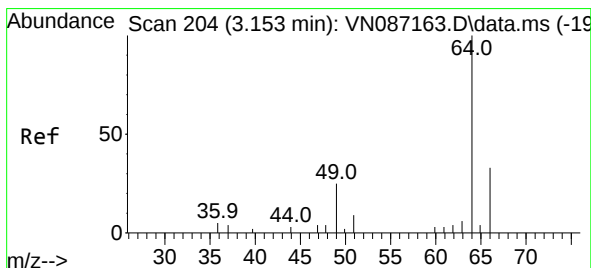
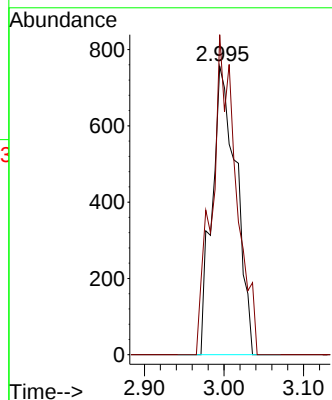
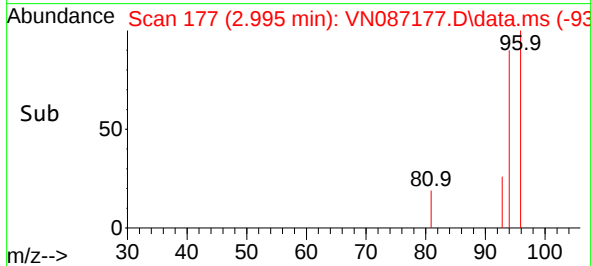
Instrument :
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Tgt Ion: 94 Resp: 1592
Ion Ratio Lower Upper
94 100
96 111.0 77.9 116.9

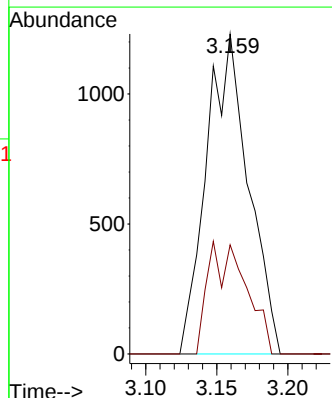
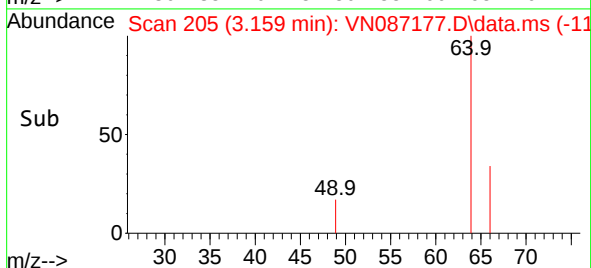
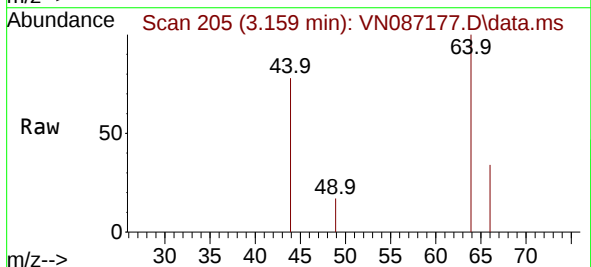
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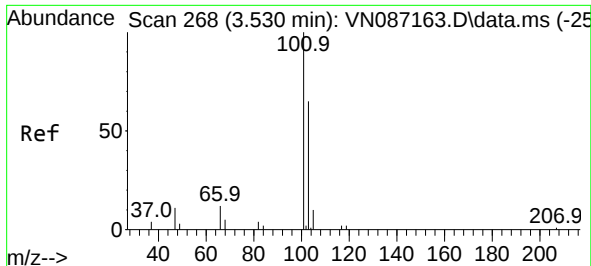
Reviewed By :John Carlone 06/26/2025
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#6
Chloroethane
Concen: 2.019 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

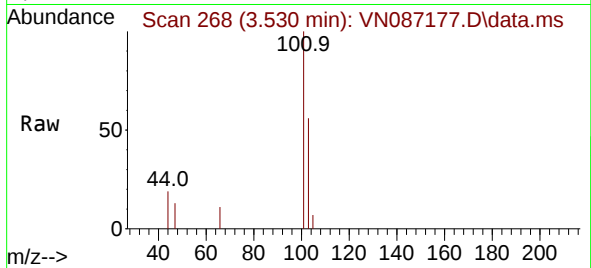
Tgt Ion: 64 Resp: 2536
Ion Ratio Lower Upper
64 100
66 34.1 26.4 39.6





#7
 Trichlorofluoromethane
 Concen: 1.857 ug/l
 RT: 3.530 min Scan# 206
 Delta R.T. -0.000 min
 Lab File: VN087177.D
 Acq: 25 Jun 2025 14:58

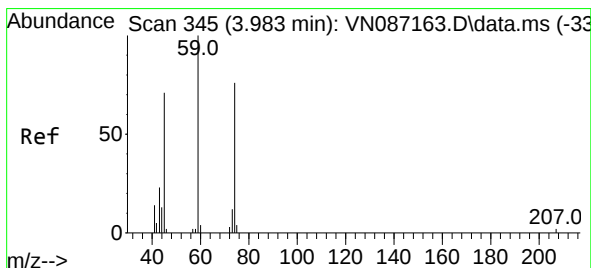
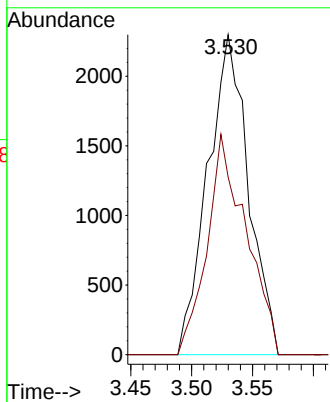
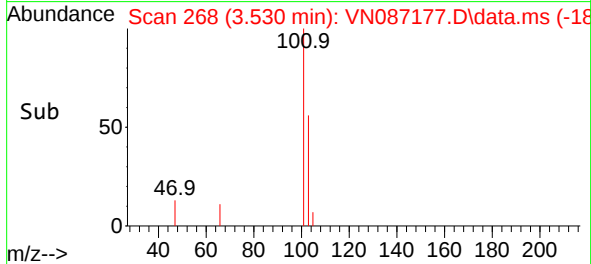
Instrument :
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 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025



Tgt Ion:101 Resp: 533
 Ion Ratio Lower Upper
 101 100
 103 55.5 51.8 77.8

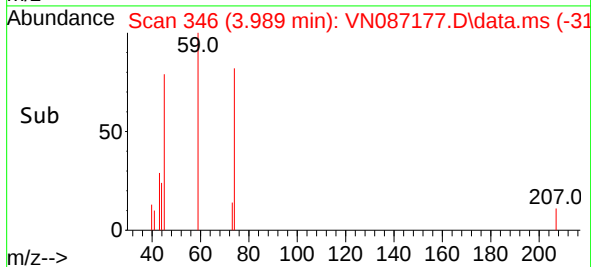
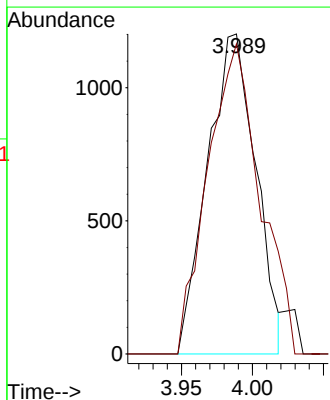
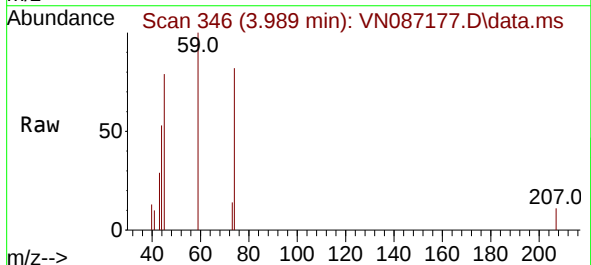
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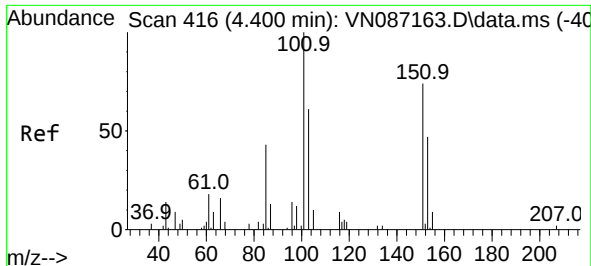
Reviewed By :John Carlone 06/26/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#8
 Diethyl Ether
 Concen: 2.009 ug/l
 RT: 3.989 min Scan# 346
 Delta R.T. 0.006 min
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Tgt Ion: 74 Resp: 2835
 Ion Ratio Lower Upper
 74 100
 45 105.1 19.0 171.0





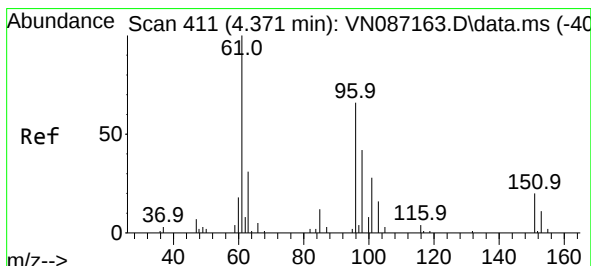
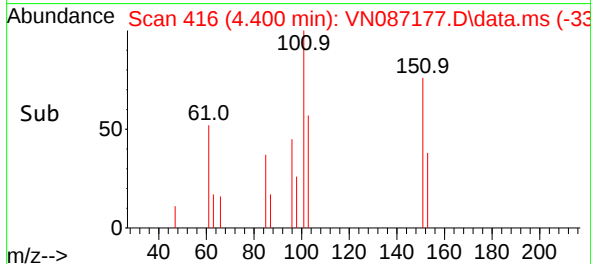
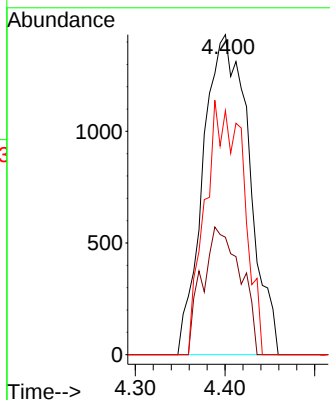
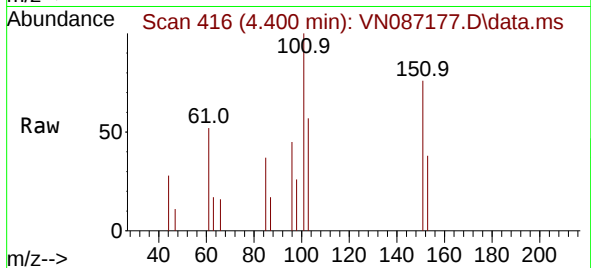
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.390 ug/l
RT: 4.400 min Scan# 416
Delta R.T. 0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion:101 Resp: 5090
Ion Ratio Lower Upper
101 100
85 0.0 0.0 40.6
151 22.8 0.0 141.2

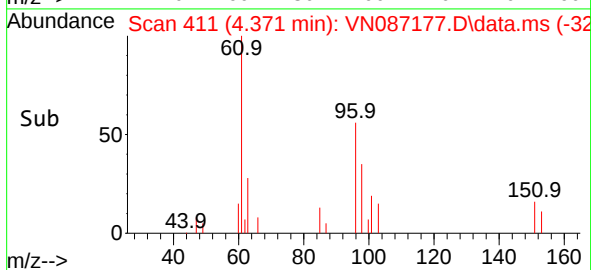
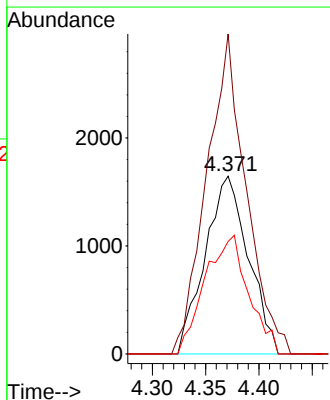
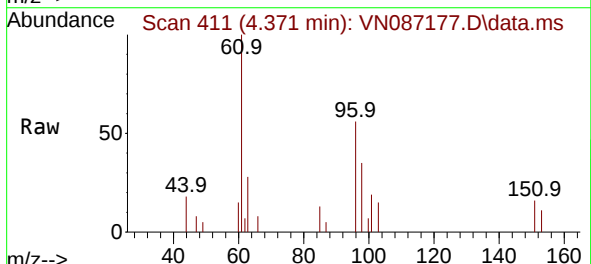
Manual Integrations
APPROVED

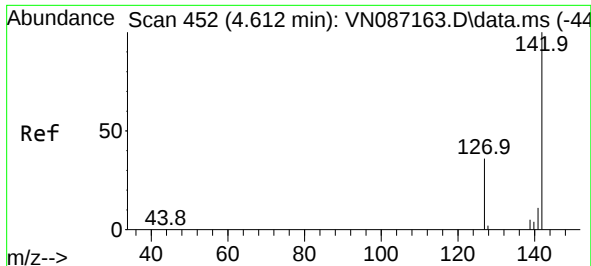
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#10
1,1-Dichloroethene
Concen: 2.189 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

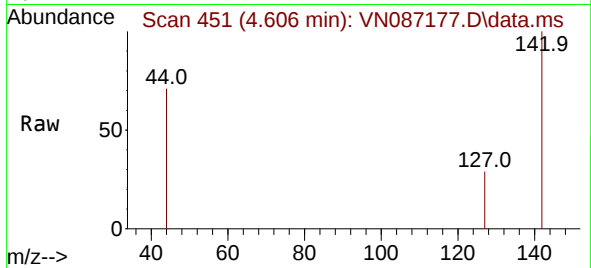
Tgt Ion: 96 Resp: 4647
Ion Ratio Lower Upper
96 100
61 170.8 122.0 183.0
98 63.3 50.3 75.5





#11
Methyl Iodide
Concen: 0.799 ug/l m
RT: 4.606 min Scan# 451
Delta R.T. -0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

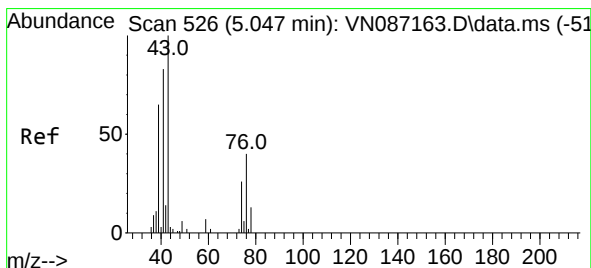
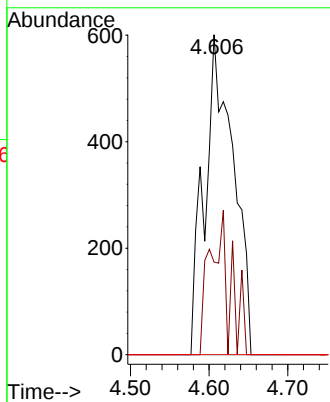
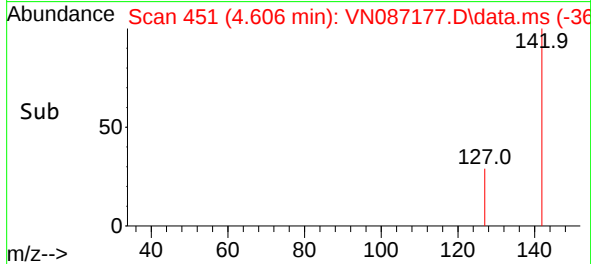
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion:142 Resp: 1520
Ion Ratio Lower Upper
142 100
127 29.0 18.1 54.1
141 0.0 5.7 17.1

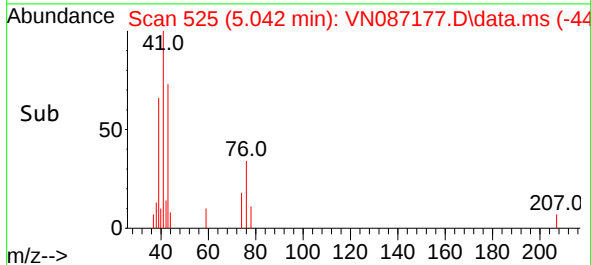
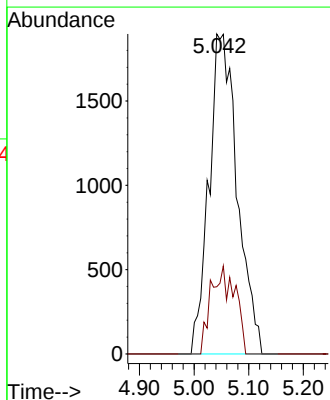
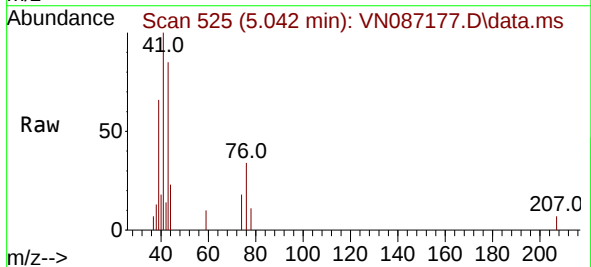
Manual Integrations
APPROVED

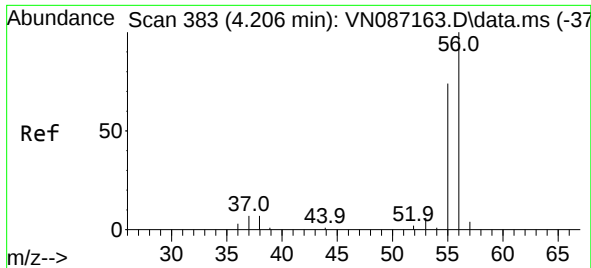
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#12
Methyl Acetate
Concen: 2.051 ug/l m
RT: 5.042 min Scan# 525
Delta R.T. -0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

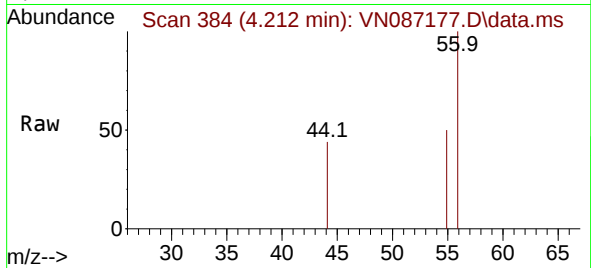
Tgt Ion: 43 Resp: 6828
Ion Ratio Lower Upper
43 100
74 21.0 20.3 30.5





#13
Acrolein
Concen: 7.178 ug/l
RT: 4.212 min Scan# 384
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

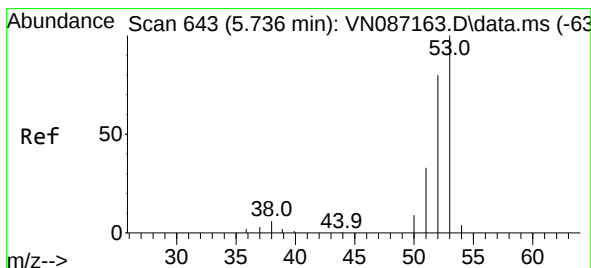
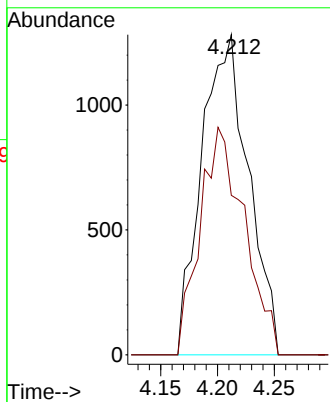
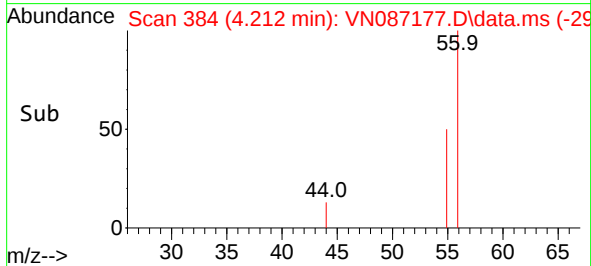
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



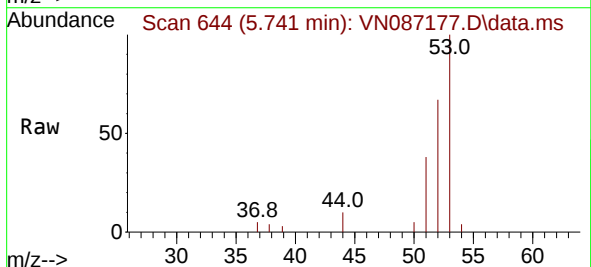
Tgt Ion: 56 Resp: 367
Ion Ratio Lower Upper
56 100
55 52.1 55.7 83.5

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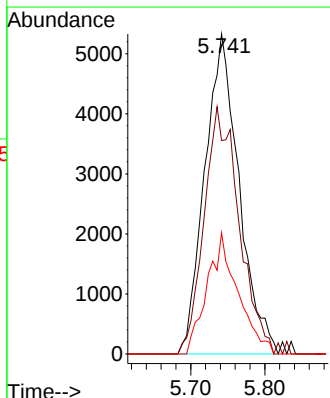
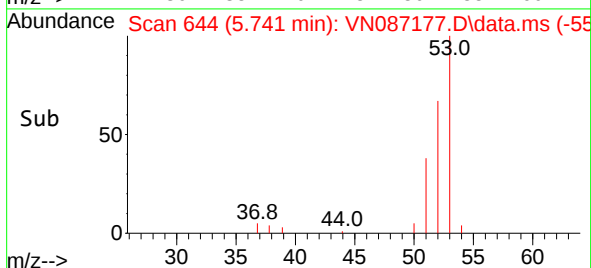
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025

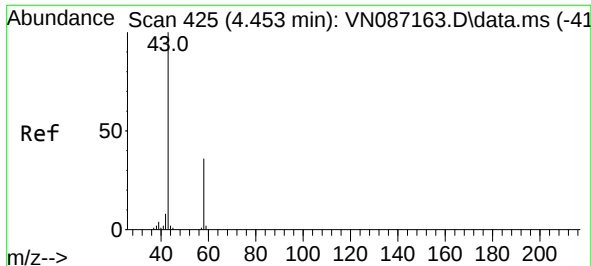


#14
Acrylonitrile
Concen: 11.008 ug/l
RT: 5.741 min Scan# 644
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58



Tgt Ion: 53 Resp: 17098
Ion Ratio Lower Upper
53 100
52 41.6 40.5 121.5
51 16.6 16.9 50.7





#15

Acetone

Concen: 10.925 ug/l m

RT: 4.453 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN087177.D

Acq: 25 Jun 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 58 Resp: 4950

Ion Ratio Lower Upper

58 100

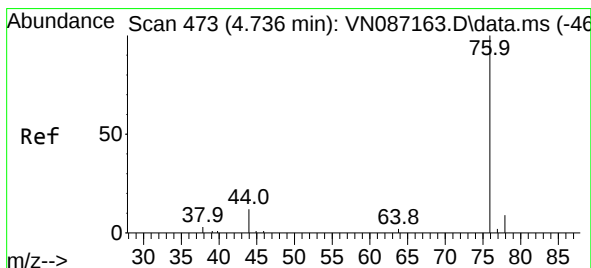
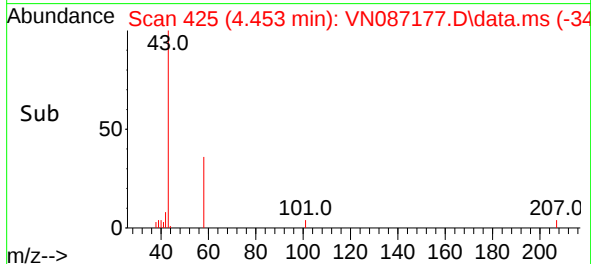
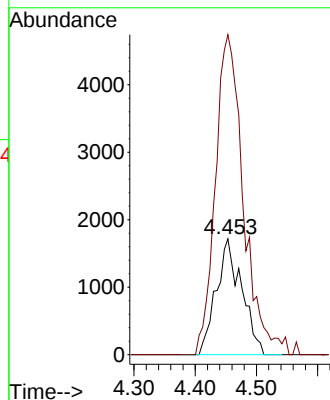
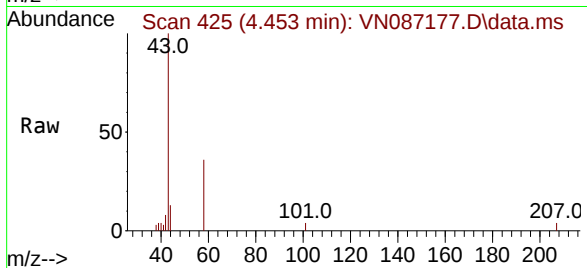
43 276.3 224.3 336.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/26/2025

Supervised By :Mahesh Dadoda 06/26/2025



#16

Carbon Disulfide

Concen: 2.481 ug/l

RT: 4.742 min Scan# 474

Delta R.T. 0.006 min

Lab File: VN087177.D

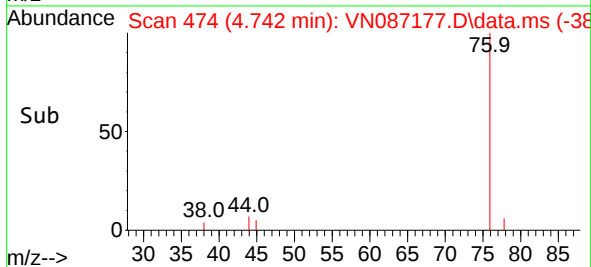
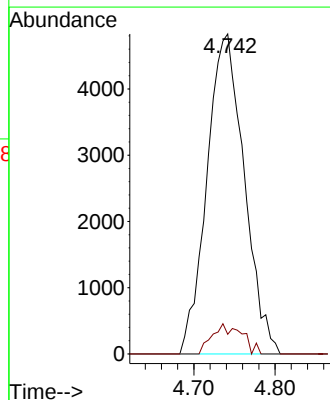
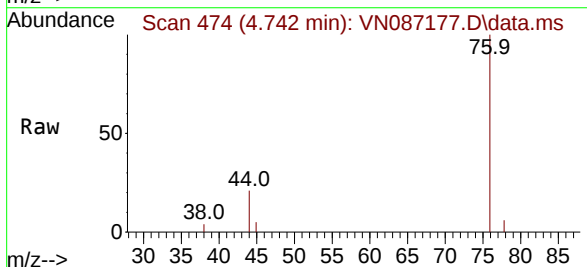
Acq: 25 Jun 2025 14:58

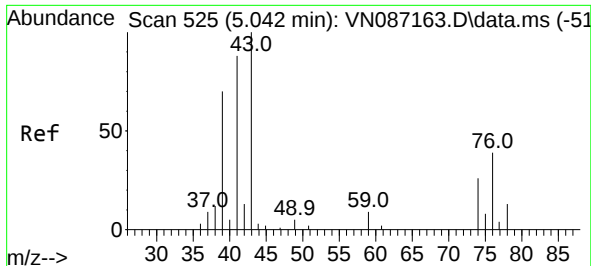
Tgt Ion: 76 Resp: 15399

Ion Ratio Lower Upper

76 100

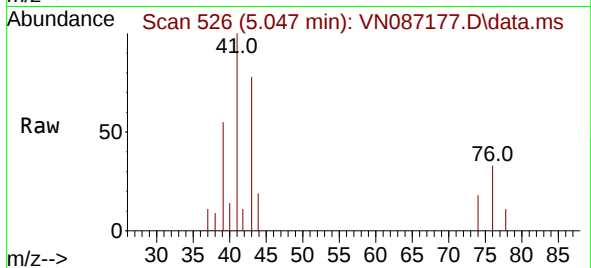
78 6.1 7.2 10.8#





#17
 Allyl chloride
 Concen: 2.231 ug/l m
 RT: 5.047 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN087177.D
 Acq: 25 Jun 2025 14:58

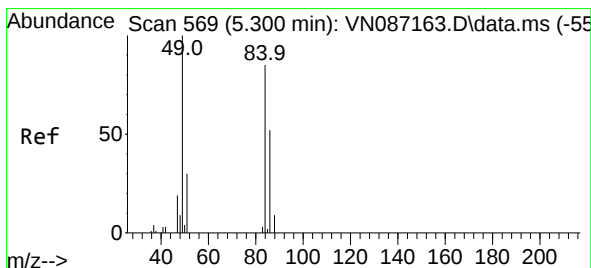
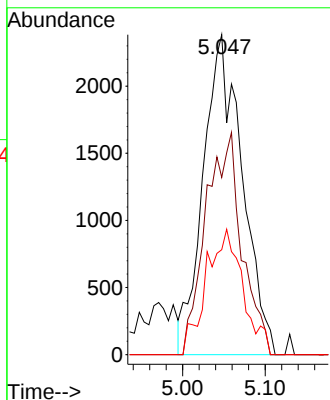
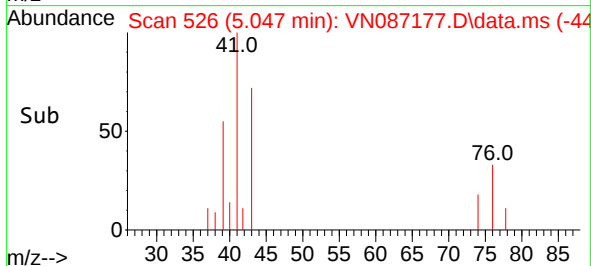
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 41 Resp: 781
 Ion Ratio Lower Upper
 41 100
 39 55.4 36.0 108.0
 76 32.8 19.5 58.5

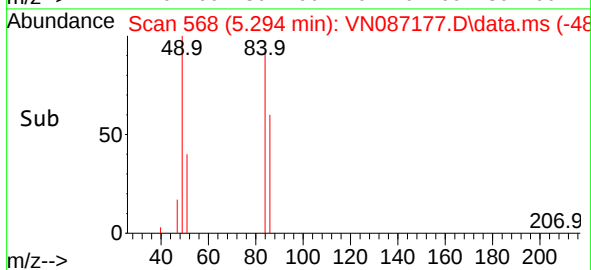
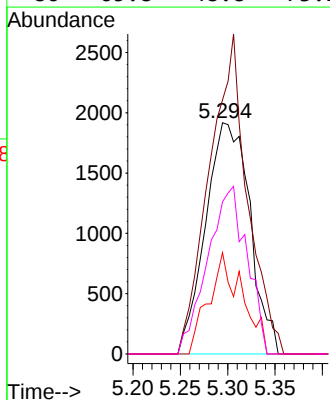
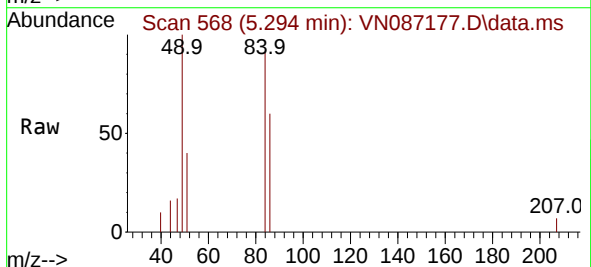
Manual Integrations
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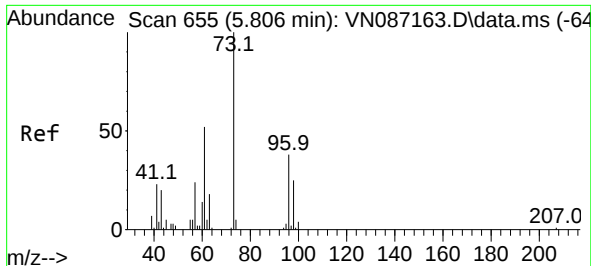
Reviewed By :John Carlone 06/26/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#18
 Methylene Chloride
 Concen: 2.539 ug/l
 RT: 5.294 min Scan# 568
 Delta R.T. -0.006 min
 Lab File: VN087177.D
 Acq: 25 Jun 2025 14:58

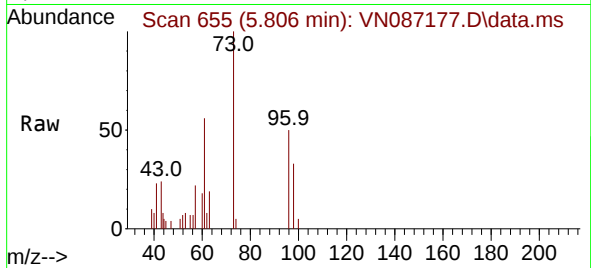
Tgt Ion: 84 Resp: 6243
 Ion Ratio Lower Upper
 84 100
 49 109.9 94.0 141.0
 51 43.8 28.3 42.5#
 86 65.8 48.8 73.2





#19
trans-1,2-Dichloroethene
Concen: 2.420 ug/l
RT: 5.806 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

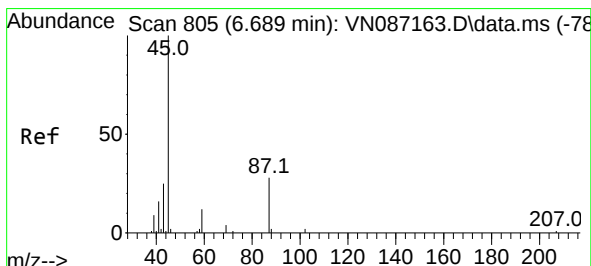
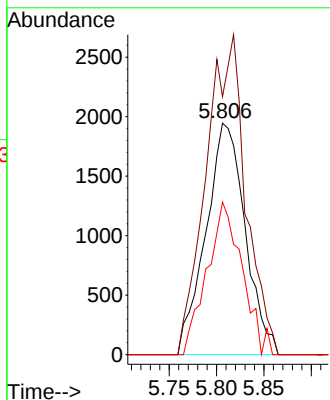
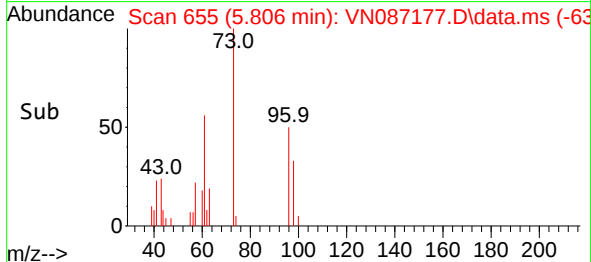
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



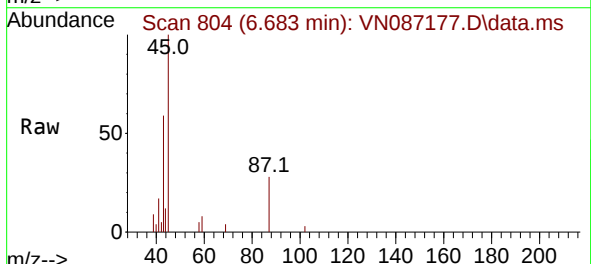
Tgt Ion: 96 Resp: 5618
Ion Ratio Lower Upper
96 100
61 111.5 110.3 165.5
98 65.9 51.6 77.4

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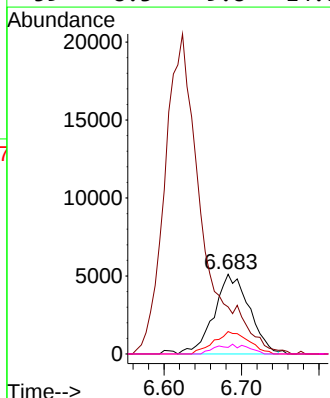
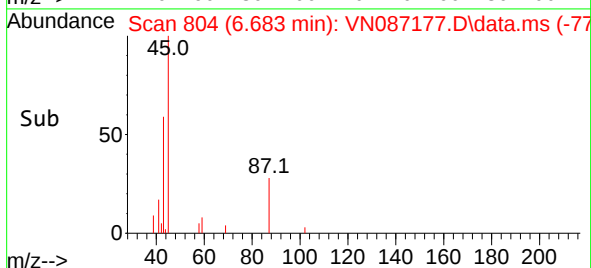
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025

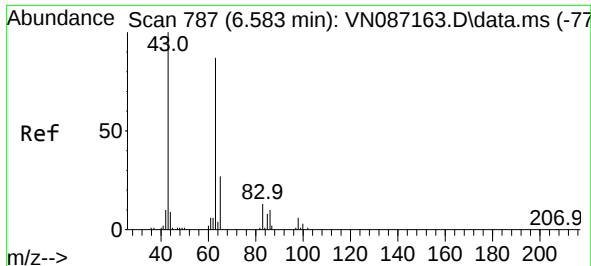


#20
Diisopropyl ether
Concen: 2.173 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58



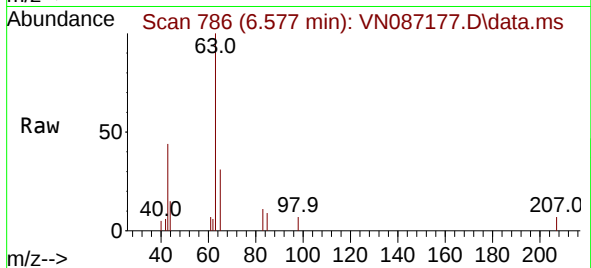
Tgt Ion: 45 Resp: 16139
Ion Ratio Lower Upper
45 100
43 54.5 45.3 67.9
87 28.2 22.6 33.8
59 8.3 9.8 14.8#





#21
1,1-Dichloroethane
Concen: 2.252 ug/l m
RT: 6.577 min Scan# 786
Delta R.T. -0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

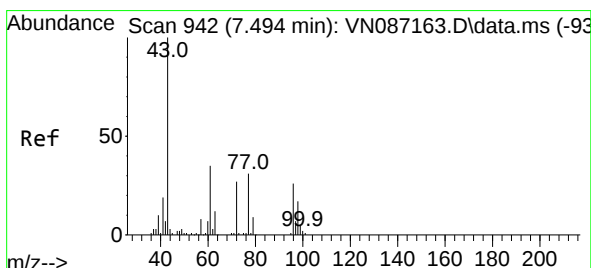
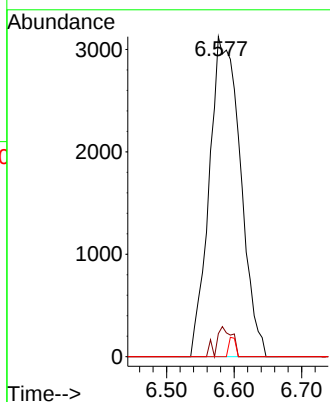
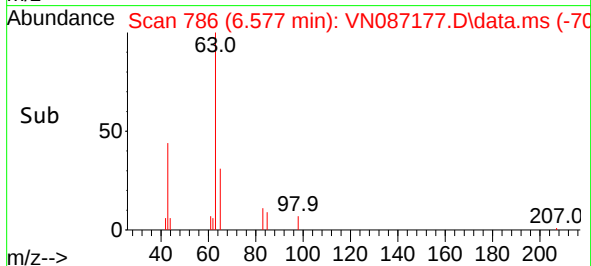
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 63 Resp: 999
Ion Ratio Lower Upper
63 100
98 7.2 3.5 10.4
100 0.0 2.0 5.8

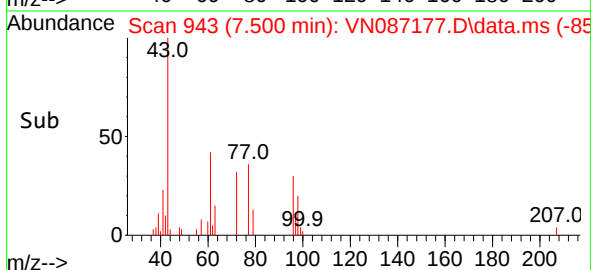
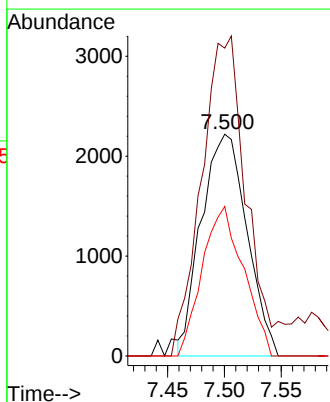
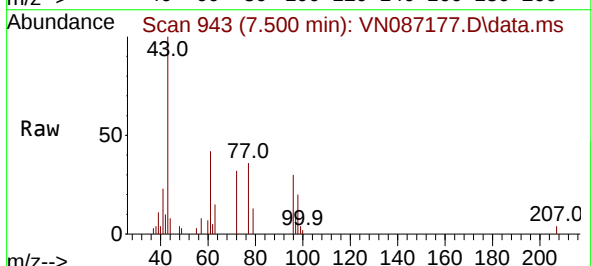
Manual Integrations
APPROVED

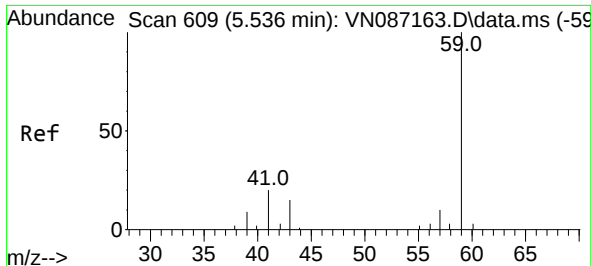
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#22
cis-1,2-Dichloroethene
Concen: 2.293 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

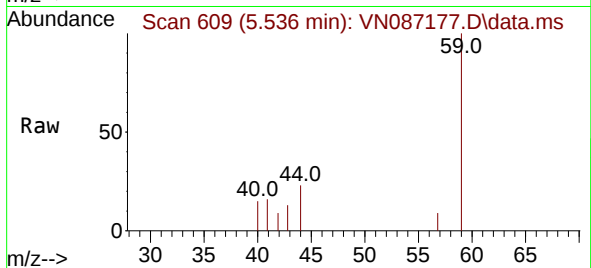
Tgt Ion: 96 Resp: 6196
Ion Ratio Lower Upper
96 100
61 139.3 119.2 178.8
98 61.0 50.6 75.8





#23
tert-Butyl Alcohol
Concen: 10.962 ug/l m
RT: 5.536 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

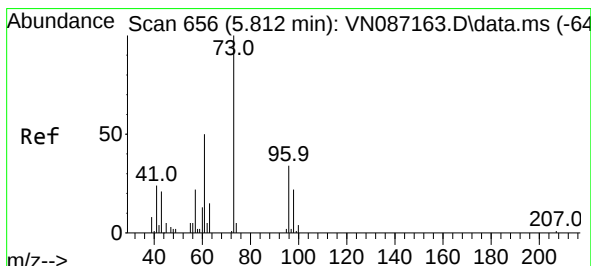
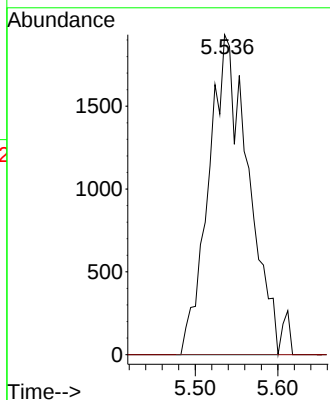
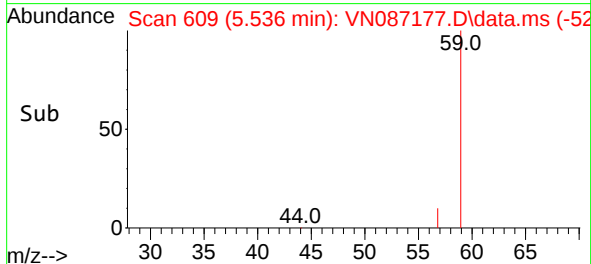
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



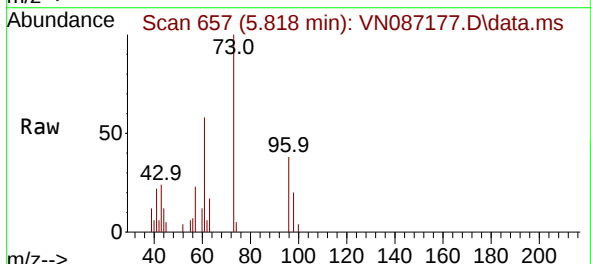
Tgt Ion: 59 Resp: 640
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

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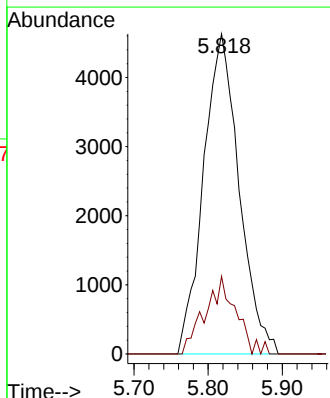
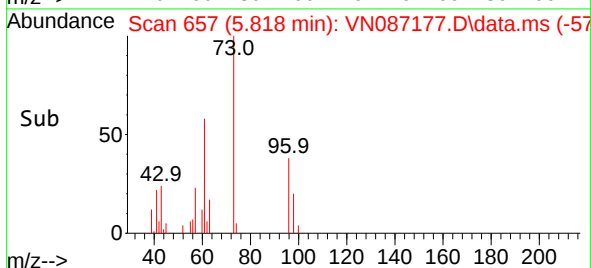
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025

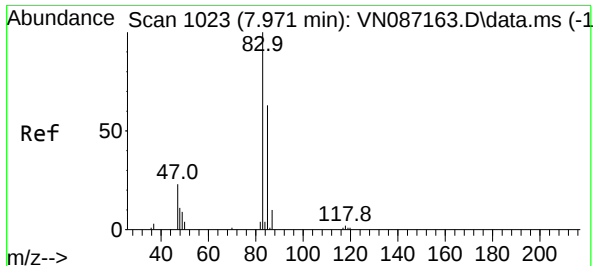


#24
Methyl tert-Butyl Ether
Concen: 2.072 ug/l
RT: 5.818 min Scan# 657
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58



Tgt Ion: 73 Resp: 15427
Ion Ratio Lower Upper
73 100
43 10.5 16.4 24.6#





#25

Chloroform

Concen: 2.433 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN087177.D

Acq: 25 Jun 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 83 Resp: 10349

Ion Ratio Lower Upper

83 100

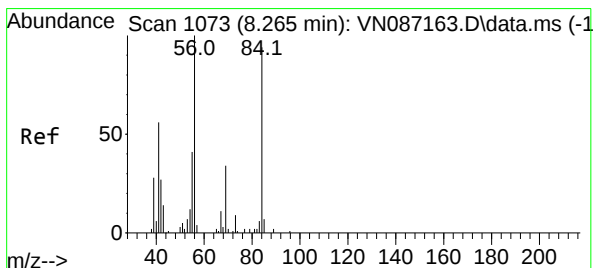
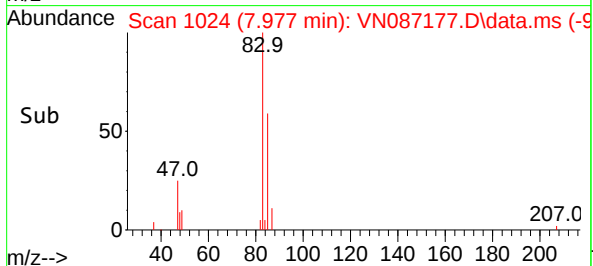
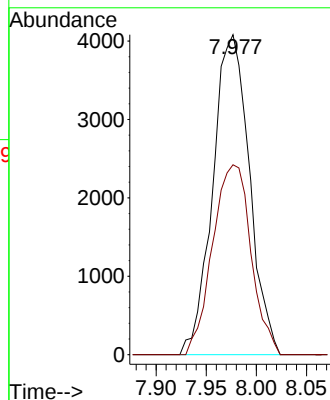
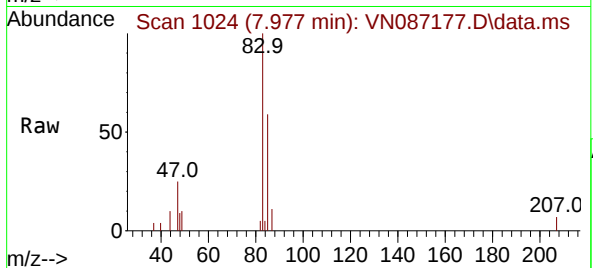
85 59.4 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/26/2025

Supervised By :Mahesh Dadoda 06/26/2025



#26

Cyclohexane

Concen: 2.225 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. -0.000 min

Lab File: VN087177.D

Acq: 25 Jun 2025 14:58

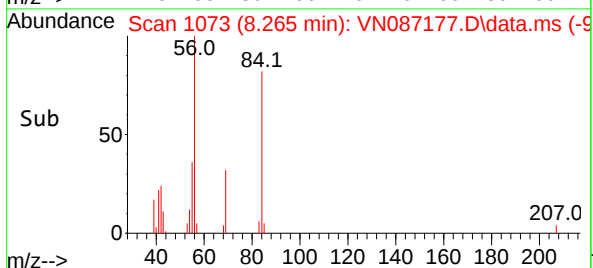
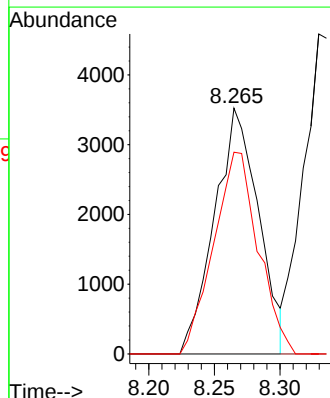
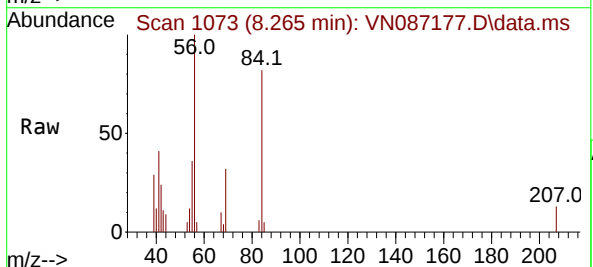
Tgt Ion: 56 Resp: 8210

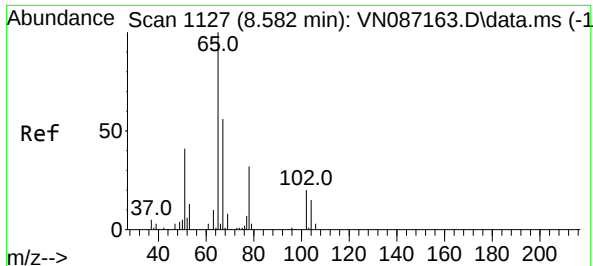
Ion Ratio Lower Upper

56 100

89 0.0 6.9 10.3#

84 83.2 69.1 103.7





#27

1,2-Dichloroethane-d4

Concen: 30.075 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN087177.D

Acq: 25 Jun 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 65 Resp: 7941

Ion Ratio Lower Upper

65 100

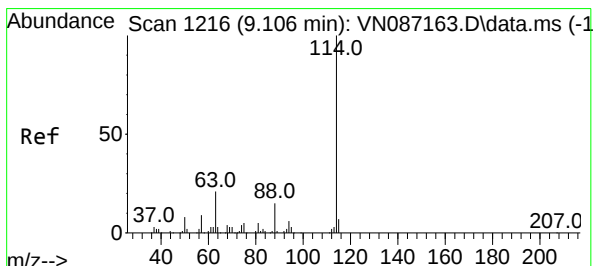
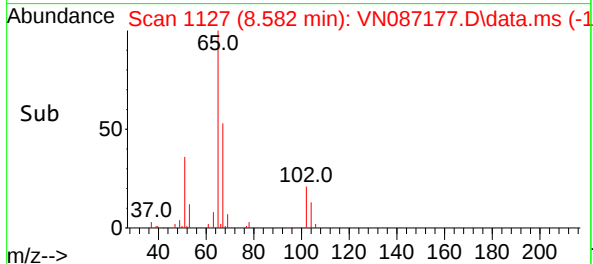
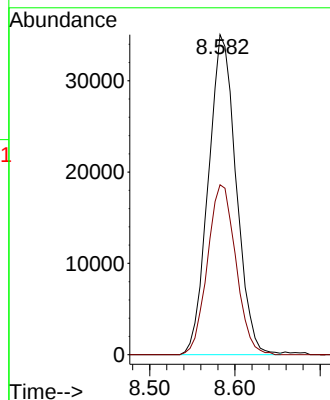
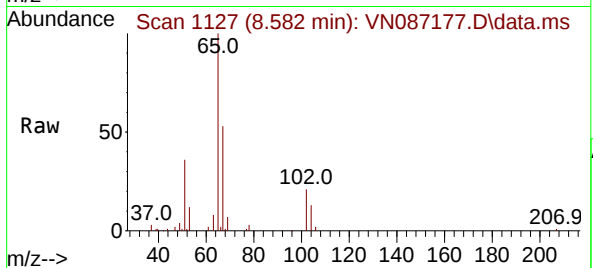
67 54.1 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/26/2025

Supervised By :Mahesh Dadoda 06/26/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087177.D

Acq: 25 Jun 2025 14:58

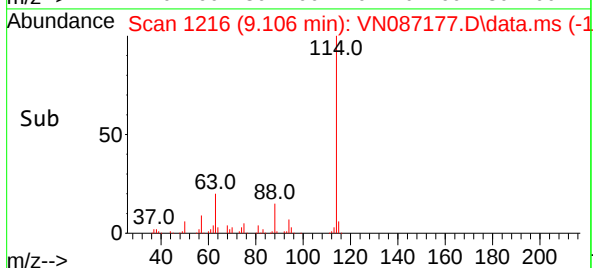
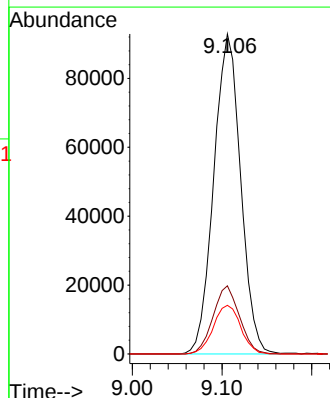
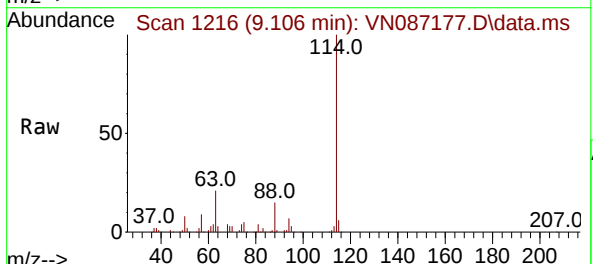
Tgt Ion:114 Resp: 193064

Ion Ratio Lower Upper

114 100

63 21.0 17.0 25.4

88 15.5 12.6 19.0





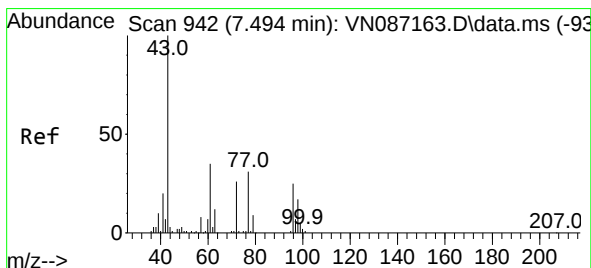
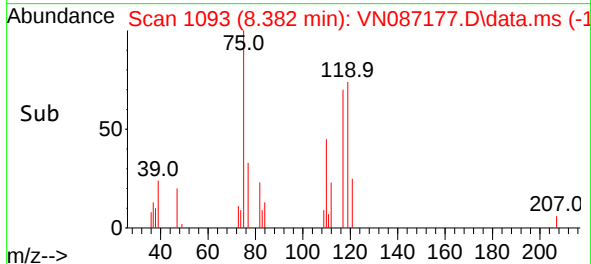
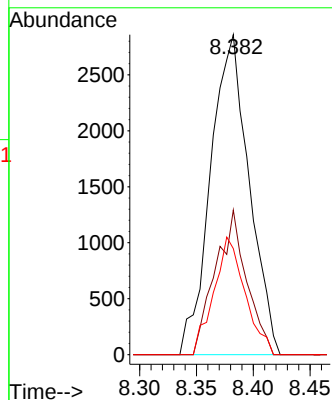
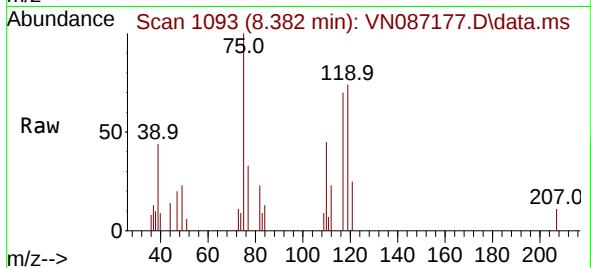
#29
1,1-Dichloropropene
Concen: 2.242 ug/l
RT: 8.382 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 75 Resp: 6740
Ion Ratio Lower Upper
75 100
110 36.9 0.0 69.2
77 29.7 0.0 61.8

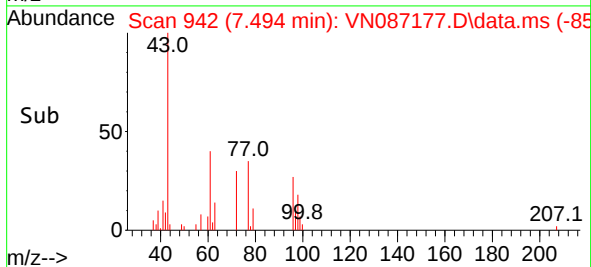
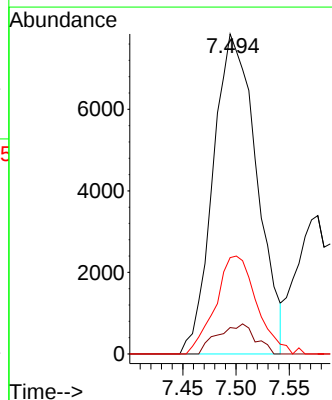
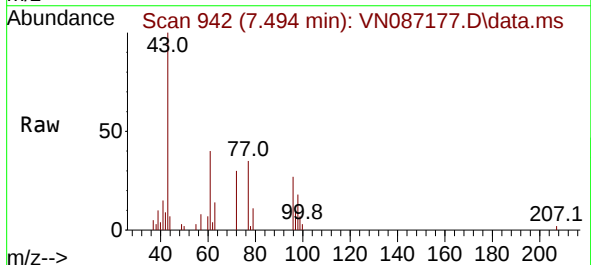
Manual Integrations
APPROVED

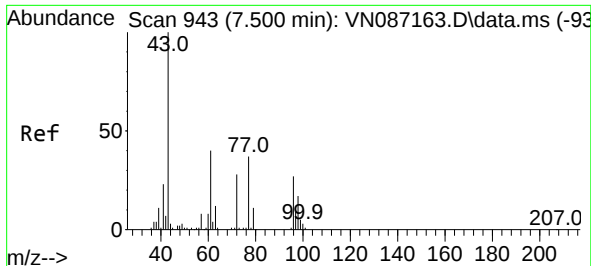
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#30
2-Butanone
Concen: 11.035 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Tgt Ion: 43 Resp: 22400
Ion Ratio Lower Upper
43 100
57 7.2 6.3 9.5
72 28.6 21.8 32.6





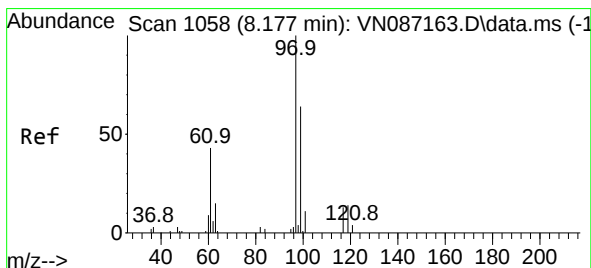
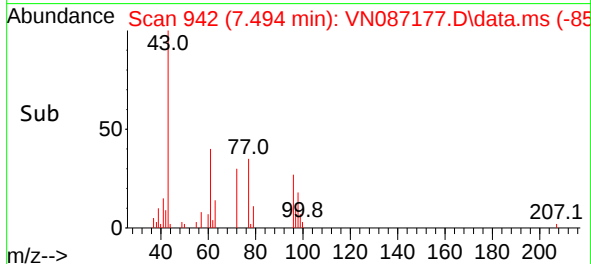
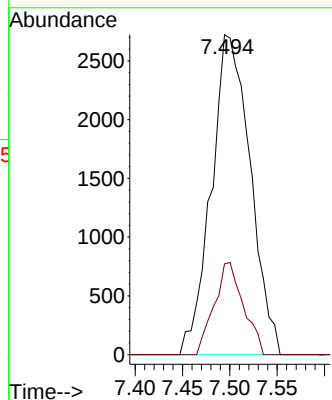
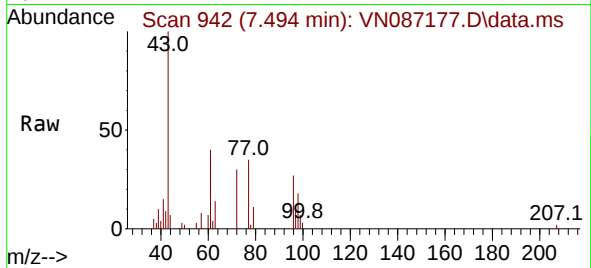
#31
2,2-Dichloropropane
Concen: 2.146 ug/l
RT: 7.494 min Scan# 943
Delta R.T. -0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 77 Resp: 7794
Ion Ratio Lower Upper
77 100
97 21.6 18.4 27.6

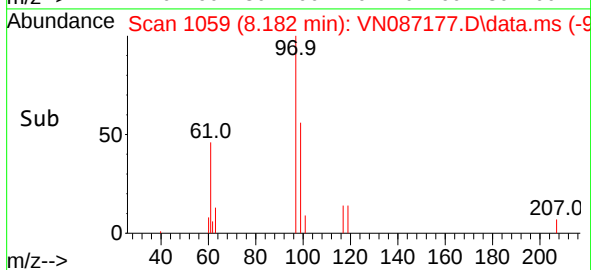
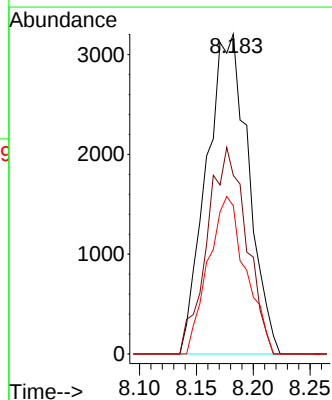
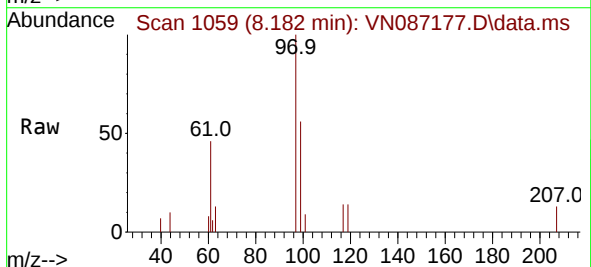
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#32
1,1,1-Trichloroethane
Concen: 2.339 ug/l
RT: 8.182 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

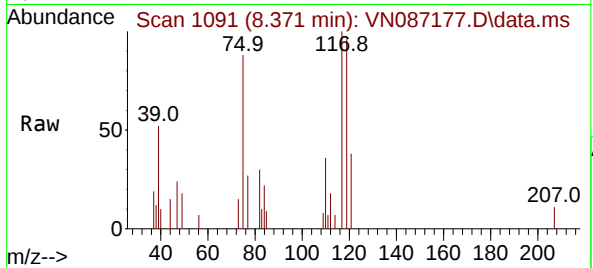
Tgt Ion: 97 Resp: 8224
Ion Ratio Lower Upper
97 100
99 60.6 50.8 76.2
61 44.1 36.1 54.1





#33
Carbon Tetrachloride
Concen: 2.296 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

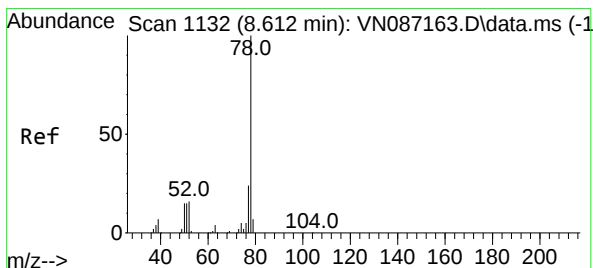
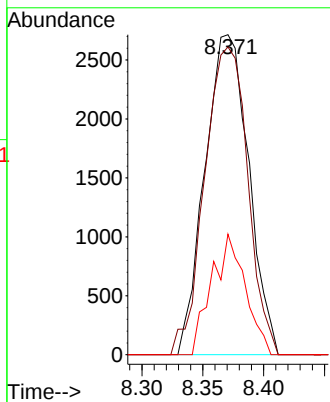
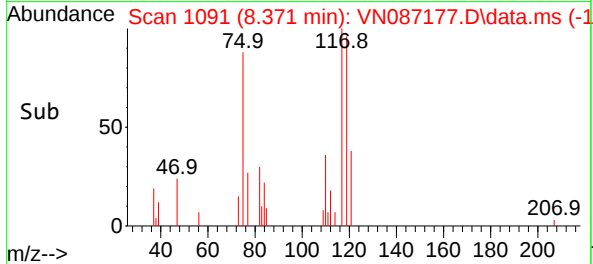
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 117 Resp: 6794
Ion Ratio Lower Upper
117 100
119 96.1 75.8 113.6
121 37.7 26.2 39.4

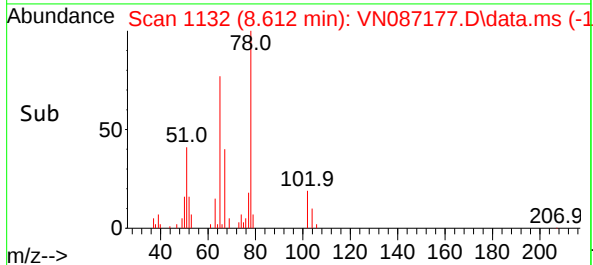
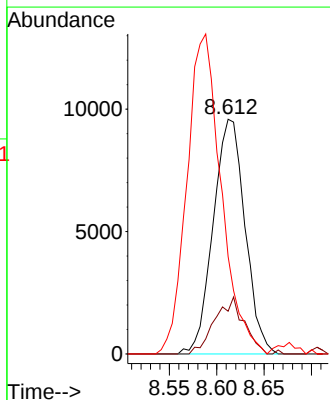
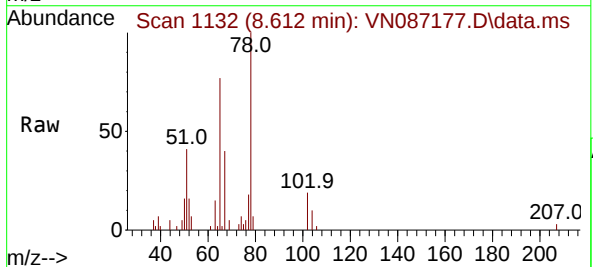
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#34
Benzene
Concen: 2.351 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

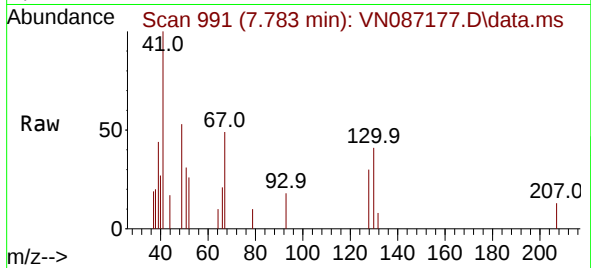
Tgt Ion: 78 Resp: 22416
Ion Ratio Lower Upper
78 100
77 18.2 19.5 29.3#
51 37.9 14.8 22.2#





#35
Methacrylonitrile
Concen: 2.212 ug/l
RT: 7.783 min Scan# 991
Delta R.T. -0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

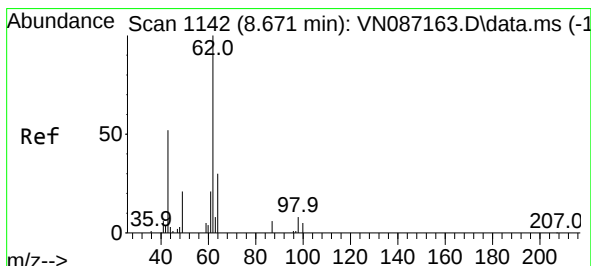
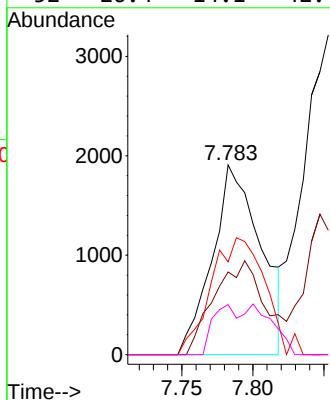
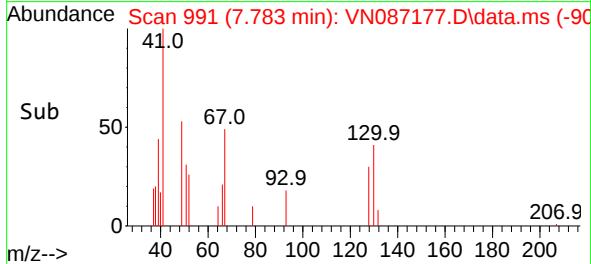
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT2-2025



Tgt Ion:	41	Resp:	452
Ion Ratio	Lower	Upper	
41	100		
39	43.6	24.4	73.2
67	48.9	33.3	99.8
52	26.4	14.1	42.4

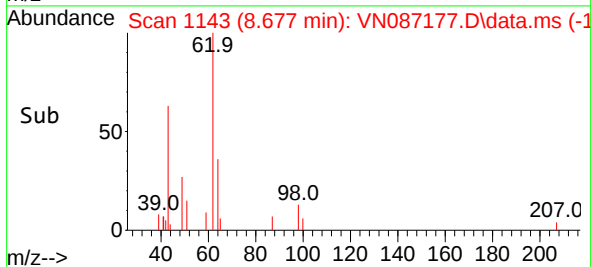
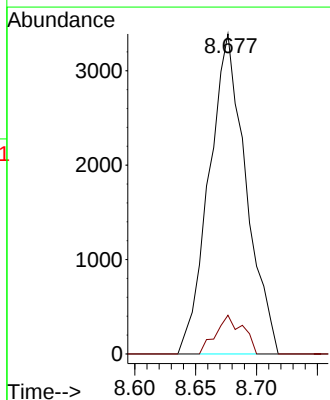
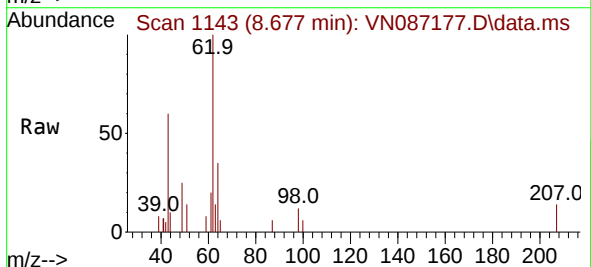
Manual Integrations APPROVED

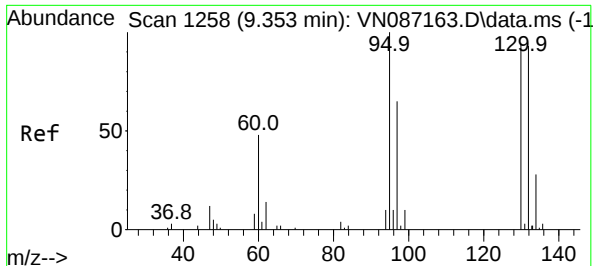
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#36
1,2-Dichloroethane
Concen: 2.324 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Tgt Ion:	62	Resp:	7157
Ion Ratio	Lower	Upper	
62	100		
98	6.3	7.2	10.8#





#37

Trichloroethene

Concen: 2.449 ug/l

RT: 9.359 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN087177.D

Acq: 25 Jun 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2025

Tgt Ion:130 Resp: 538

Ion Ratio Lower Upper

130 100

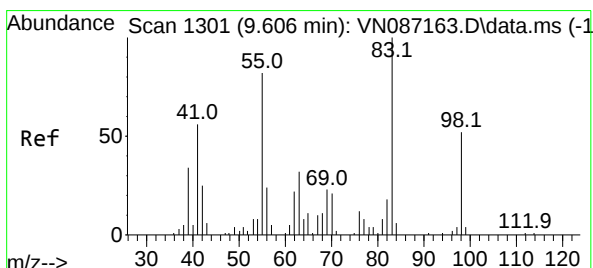
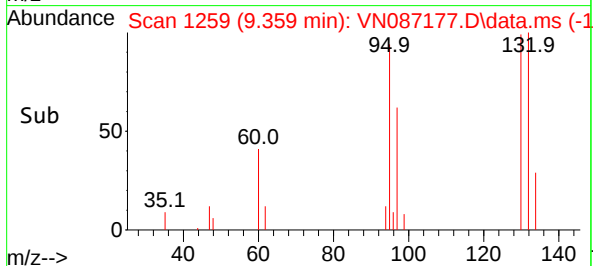
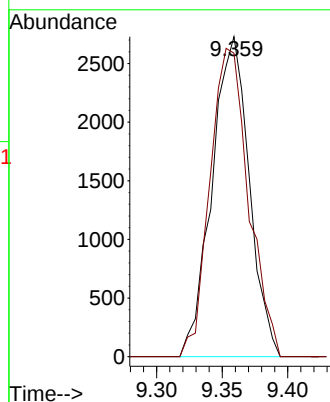
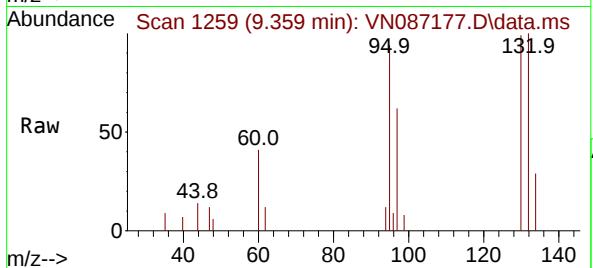
95 94.8 85.3 127.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/26/2025

Supervised By :Mahesh Dadoda 06/26/2025



#38

Methylcyclohexane

Concen: 2.254 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VN087177.D

Acq: 25 Jun 2025 14:58

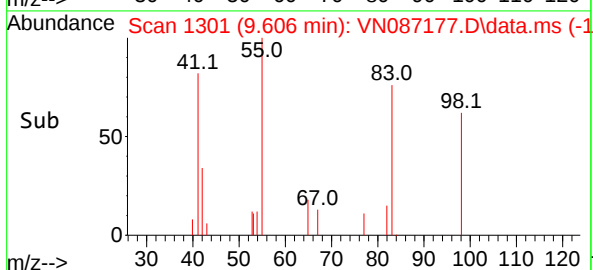
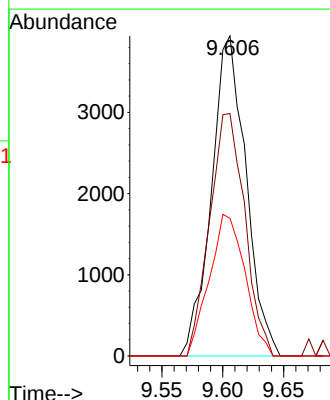
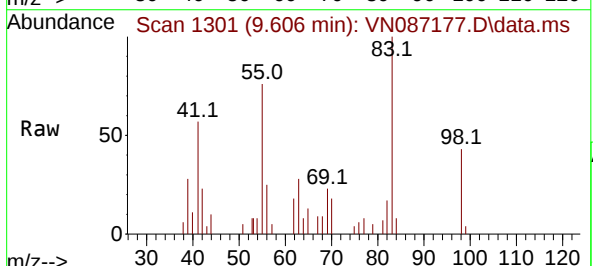
Tgt Ion: 83 Resp: 7782

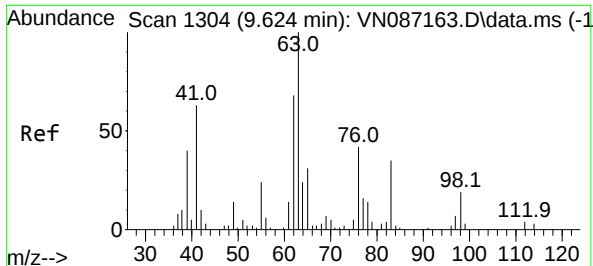
Ion Ratio Lower Upper

83 100

55 76.9 40.1 120.2

98 45.7 24.4 73.2





#39

1,2-Dichloropropane

Concen: 2.270 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VN087177.D

Acq: 25 Jun 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 63 Resp: 543

Ion Ratio Lower Upper

63 100

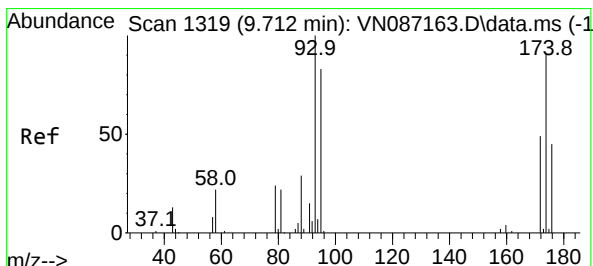
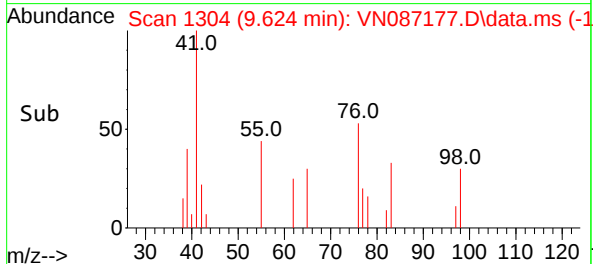
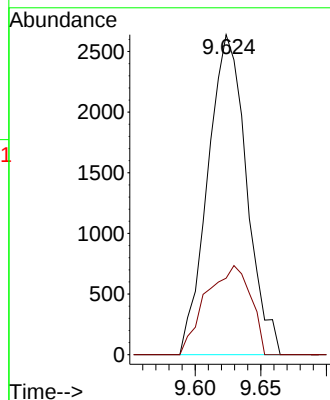
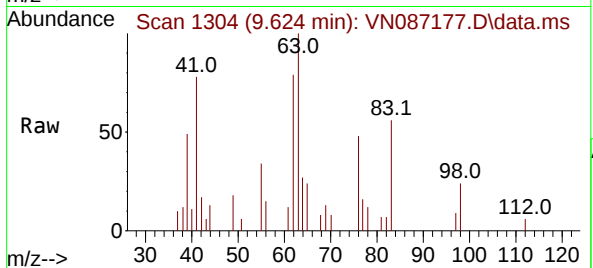
65 23.9 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/26/2025

Supervised By :Mahesh Dadoda 06/26/2025



#40

Dibromomethane

Concen: 2.475 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN087177.D

Acq: 25 Jun 2025 14:58

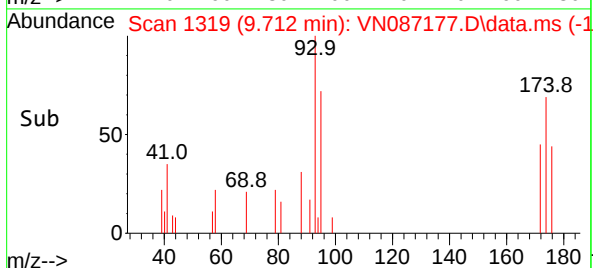
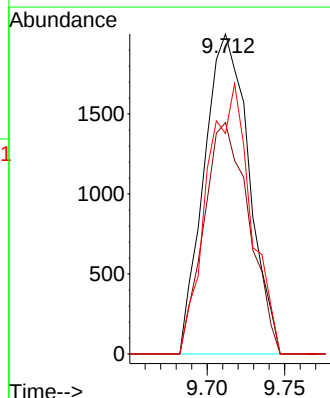
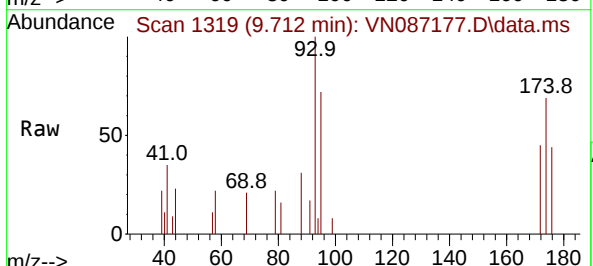
Tgt Ion: 93 Resp: 4027

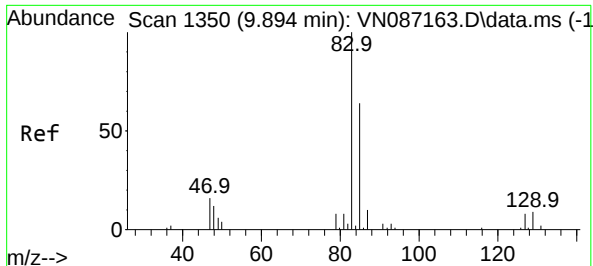
Ion Ratio Lower Upper

93 100

95 72.9 0.0 170.8

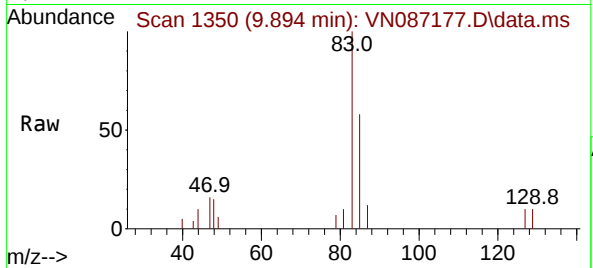
174 82.0 0.0 176.6





#41
Bromodichloromethane
Concen: 2.353 ug/l
RT: 9.894 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

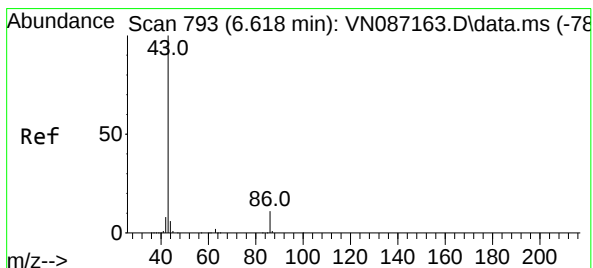
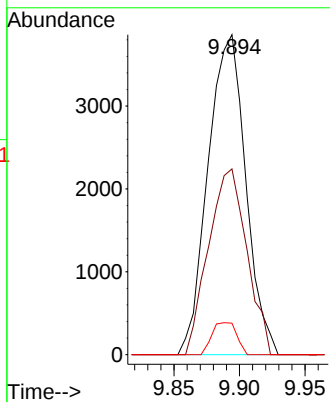
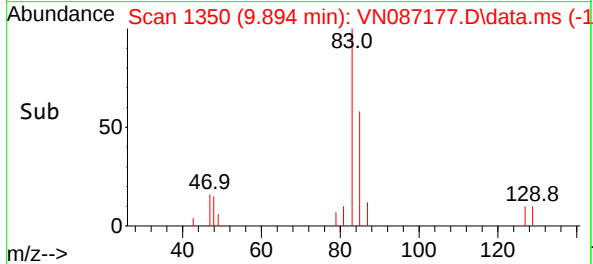
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 83 Resp: 7729
Ion Ratio Lower Upper
83 100
85 58.0 51.4 77.2
127 9.9 6.1 9.1

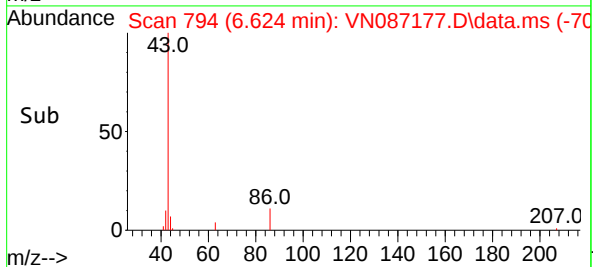
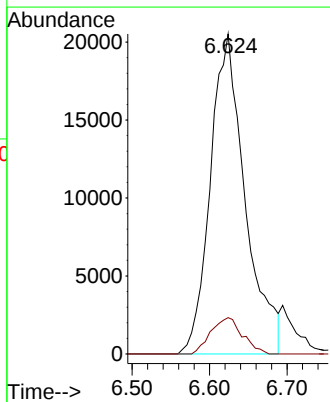
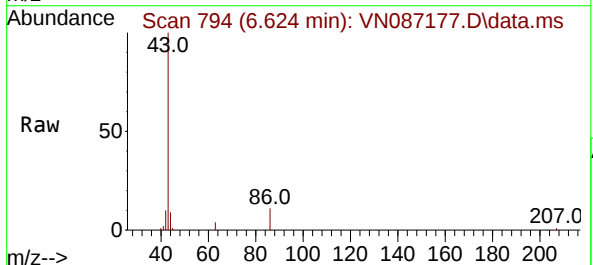
Manual Integrations
APPROVED

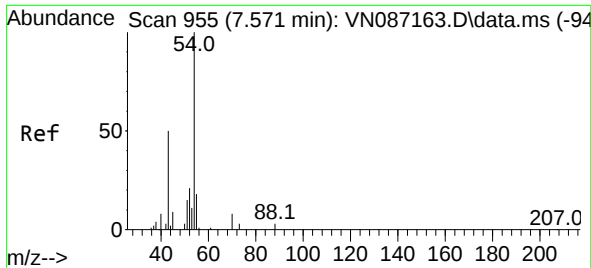
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#42
Vinyl Acetate
Concen: 9.698 ug/l
RT: 6.624 min Scan# 794
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

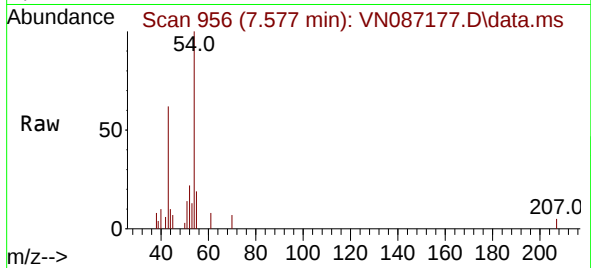
Tgt Ion: 43 Resp: 64025
Ion Ratio Lower Upper
43 100
86 10.3 7.7 11.5





#43
Ethyl Acetate
Concen: 2.507 ug/l m
RT: 7.577 min Scan# 918
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

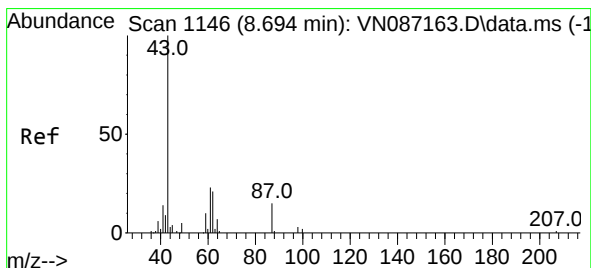
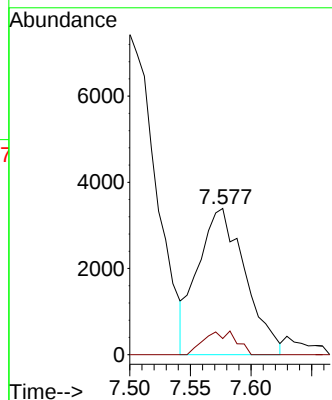
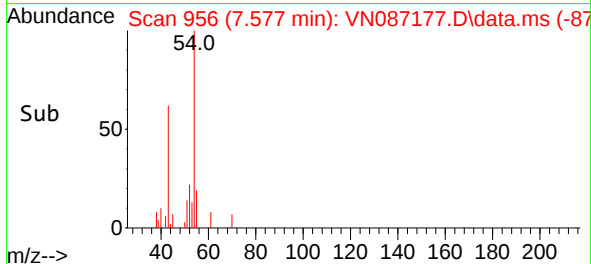
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 43 Resp: 918
Ion Ratio Lower Upper
43 100
45 6.9 11.5 17.3

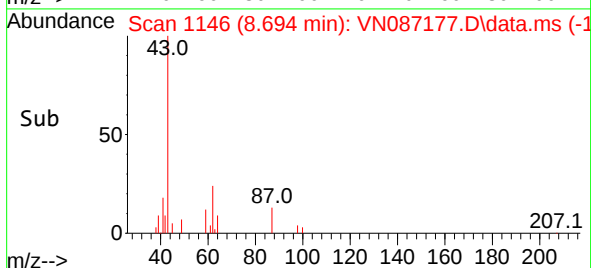
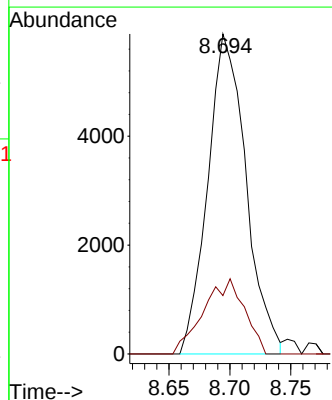
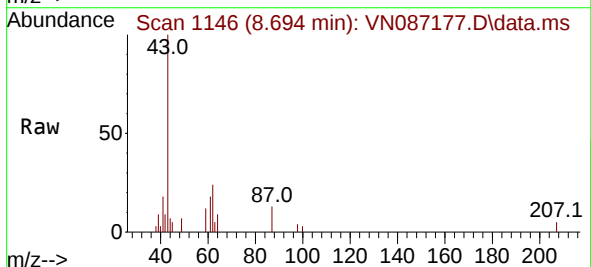
Manual Integrations
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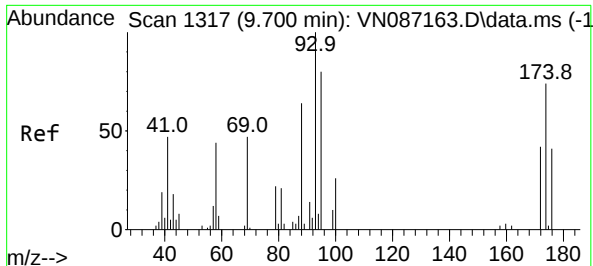
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#44
Isopropyl Acetate
Concen: 2.150 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Tgt Ion: 43 Resp: 12835
Ion Ratio Lower Upper
43 100
61 13.9 20.5 30.7





#45

1,4-Dioxane

Concen: 35.681 ug/l m

RT: 9.712 min Scan# 1319

Delta R.T. 0.012 min

Lab File: VN087177.D

Acq: 25 Jun 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 88 Resp: 144

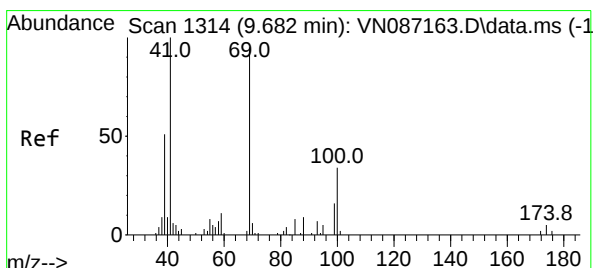
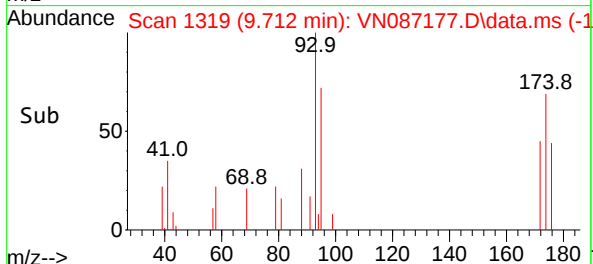
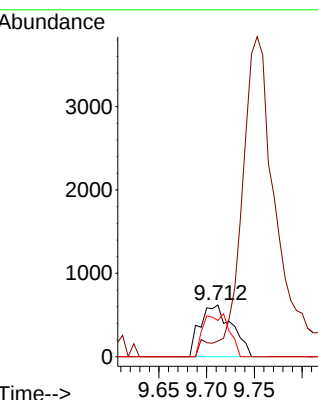
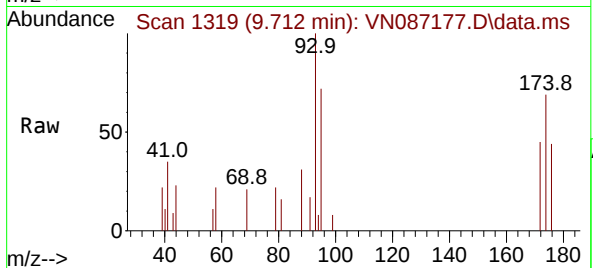
Ion	Ratio	Lower	Upper
88	100		
43	13.1	21.3	31.9
58	41.6	61.7	92.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/26/2025

Supervised By :Mahesh Dadoda 06/26/2025



#46

Methyl methacrylate

Concen: 2.063 ug/l m

RT: 9.688 min Scan# 1315

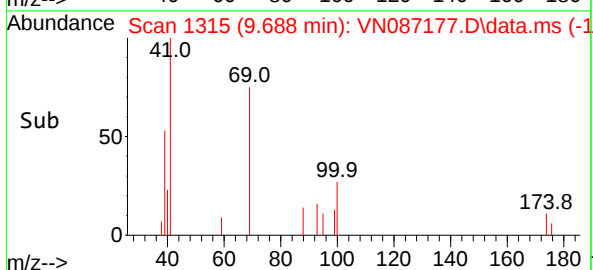
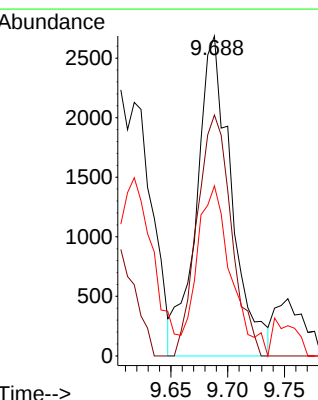
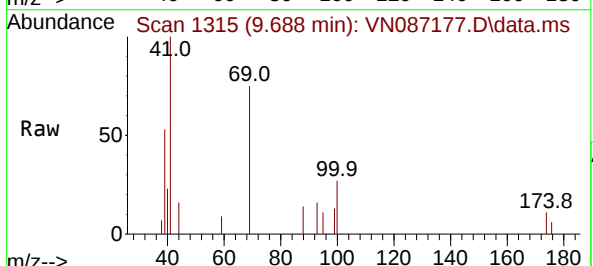
Delta R.T. 0.006 min

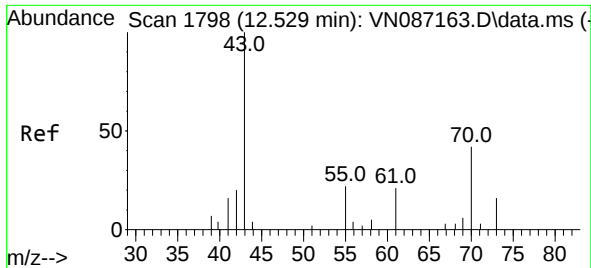
Lab File: VN087177.D

Acq: 25 Jun 2025 14:58

Tgt Ion: 41 Resp: 5726

Ion	Ratio	Lower	Upper
41	100		
69	75.3	45.6	136.9
39	53.2	26.2	78.5





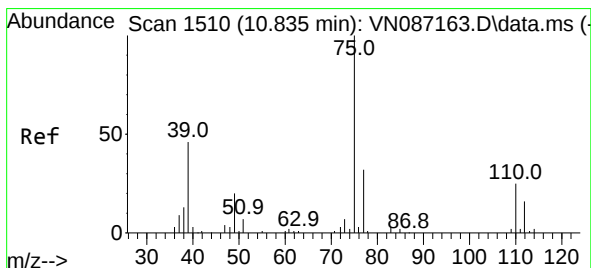
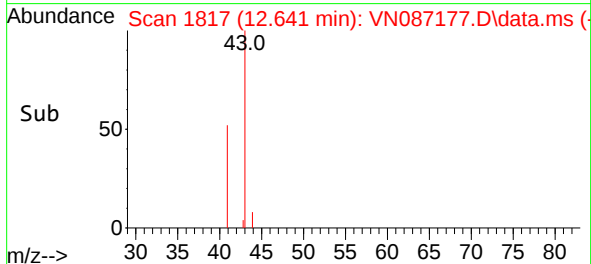
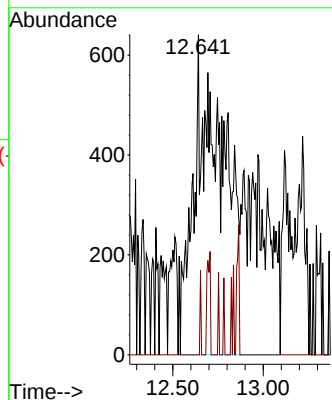
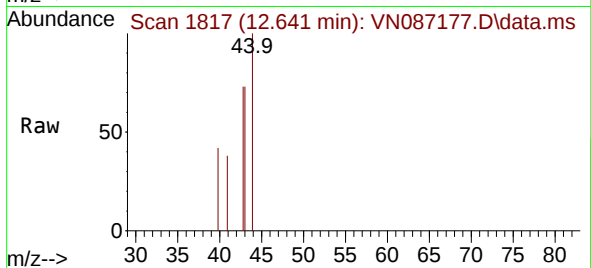
#47
n-amy1 Acetate
Concen: 2.918 ug/l m
RT: 12.641 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 43 Resp: 1065
Ion Ratio Lower Upper
43 100
55 0.0 0.0 0.0

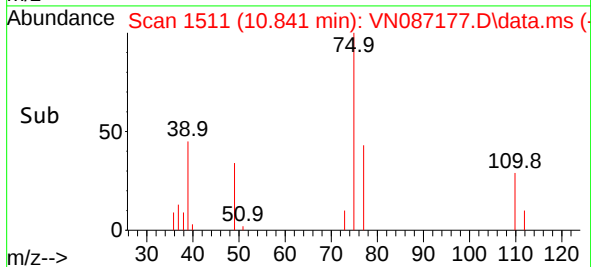
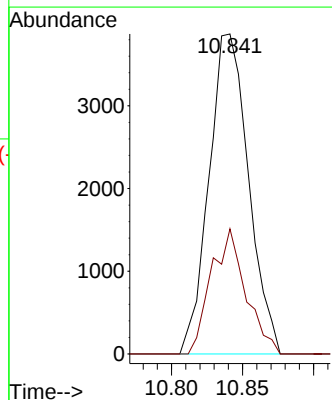
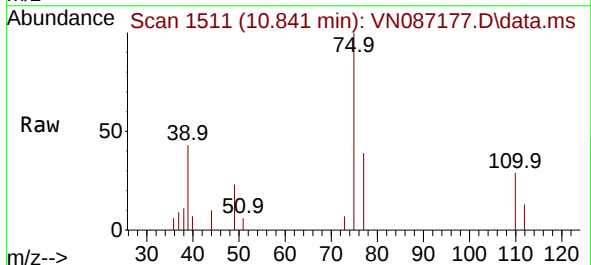
Manual Integrations
APPROVED

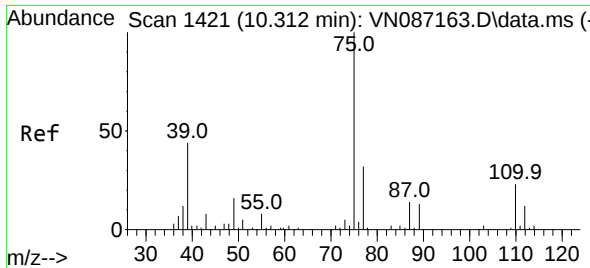
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#48
t-1,3-Dichloropropene
Concen: 2.047 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

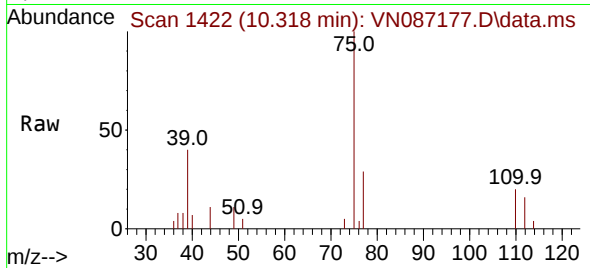
Tgt Ion: 75 Resp: 7493
Ion Ratio Lower Upper
75 100
77 39.1 25.4 38.0#





#49
 cis-1,3-Dichloropropene
 Concen: 2.114 ug/l
 RT: 10.318 min Scan# 1421
 Delta R.T. 0.006 min
 Lab File: VN087177.D
 Acq: 25 Jun 2025 14:58

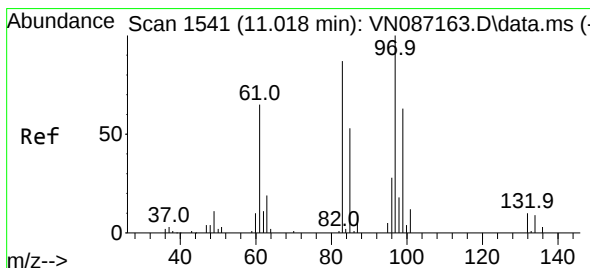
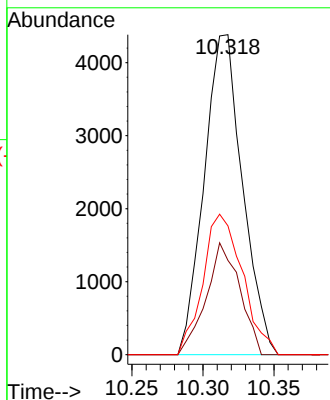
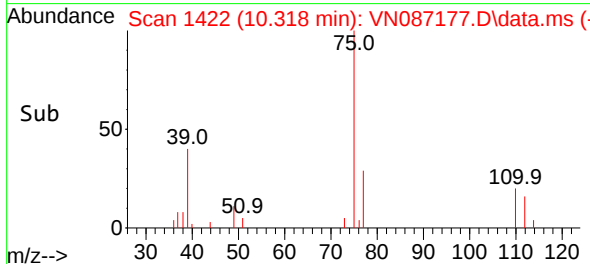
Instrument : MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 75 Resp: 8229
 Ion Ratio Lower Upper
 75 100
 77 29.4 25.4 38.2
 39 40.2 35.3 52.9

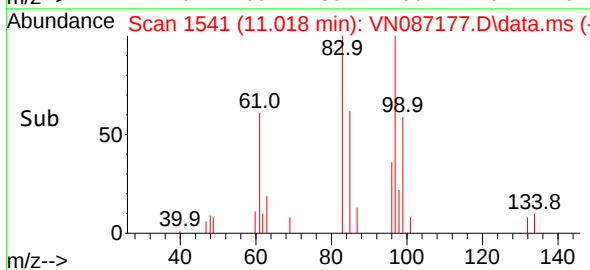
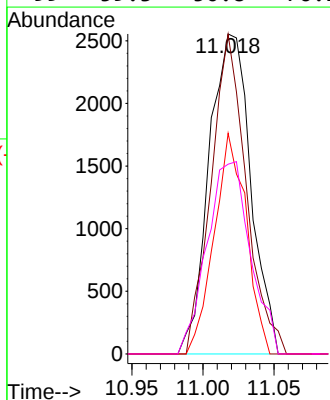
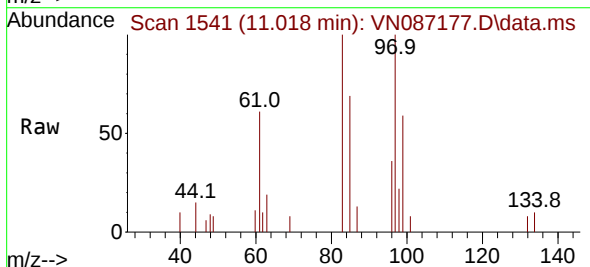
Manual Integrations
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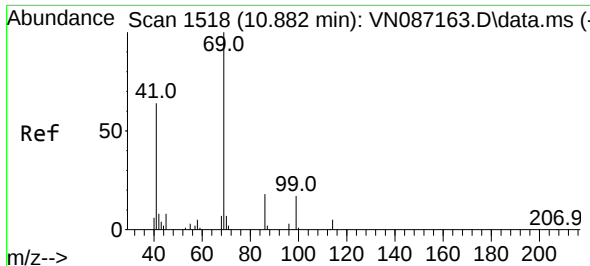
Reviewed By :John Carlone 06/26/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#50
 1,1,2-Trichloroethane
 Concen: 2.248 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: VN087177.D
 Acq: 25 Jun 2025 14:58

Tgt Ion: 97 Resp: 5196
 Ion Ratio Lower Upper
 97 100
 83 99.9 69.6 104.4
 85 69.0 42.0 63.0#
 99 59.3 50.8 76.2





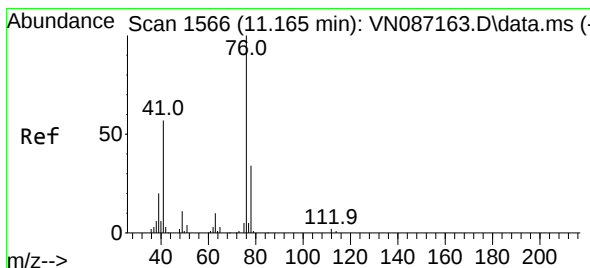
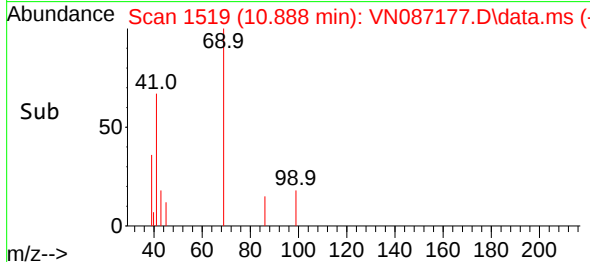
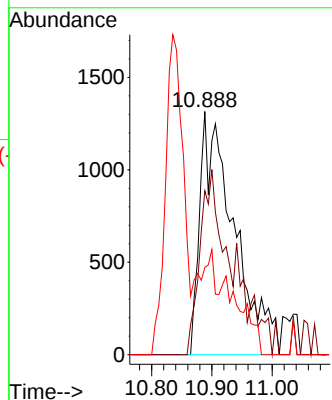
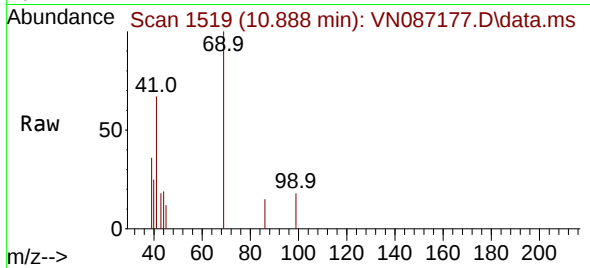
#51
Ethyl methacrylate
Concen: 1.473 ug/l m
RT: 10.888 min Scan# 1518
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 69 Resp: 518
Ion Ratio Lower Upper
69 100
41 67.3 31.8 95.3
39 35.9 15.3 45.8

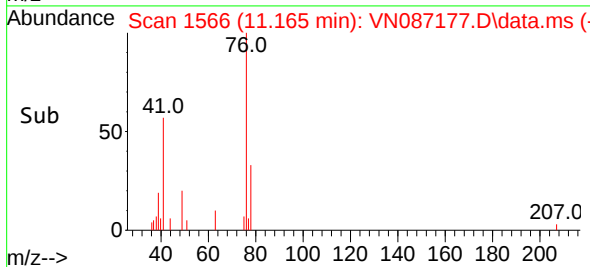
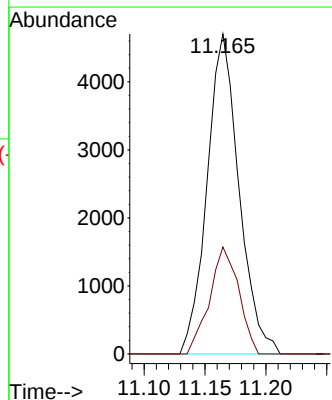
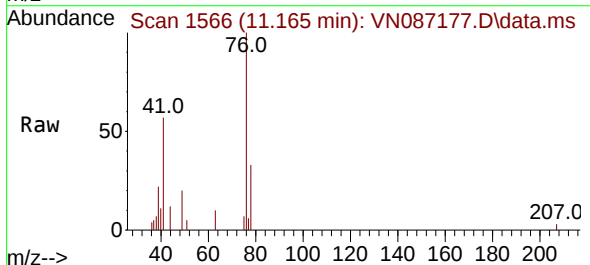
Manual Integrations
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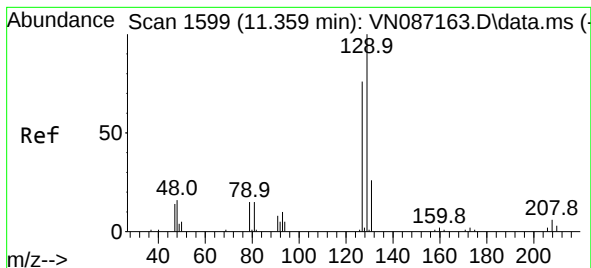
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#52
1,3-Dichloropropane
Concen: 2.161 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Tgt Ion: 76 Resp: 8573
Ion Ratio Lower Upper
76 100
78 30.5 0.0 63.0





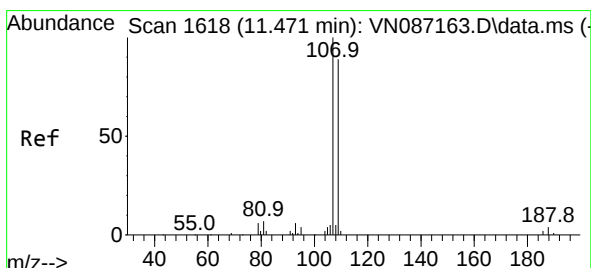
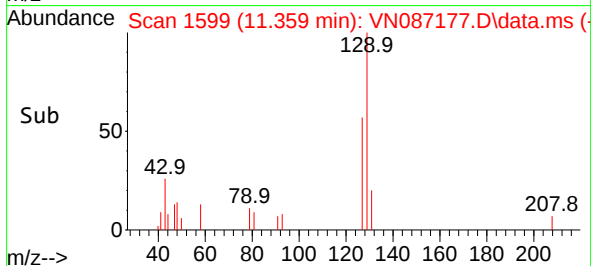
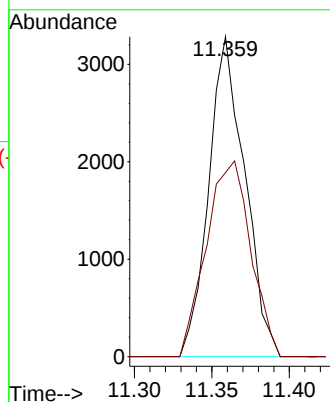
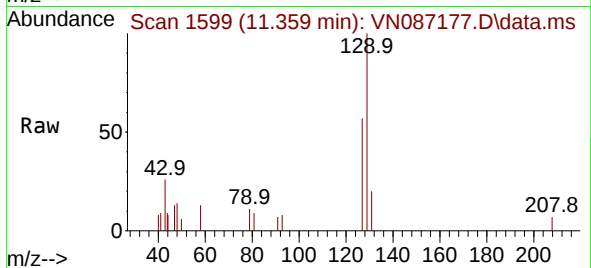
#53
Dibromochloromethane
Concen: 2.189 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT2-2025

Tgt Ion:129 Resp: 531
Ion Ratio Lower Upper
129 100
127 75.4 39.6 118.8

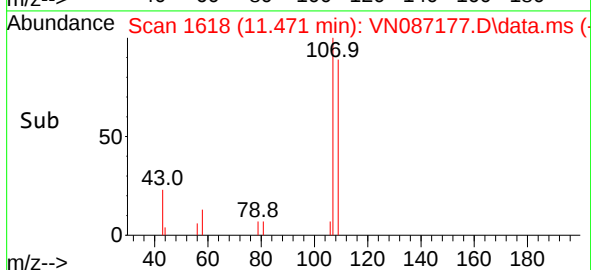
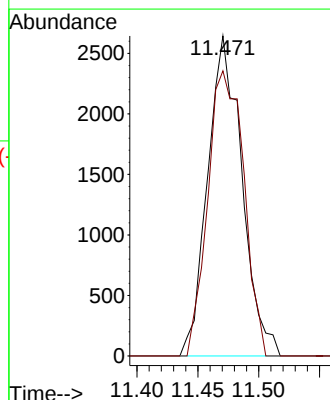
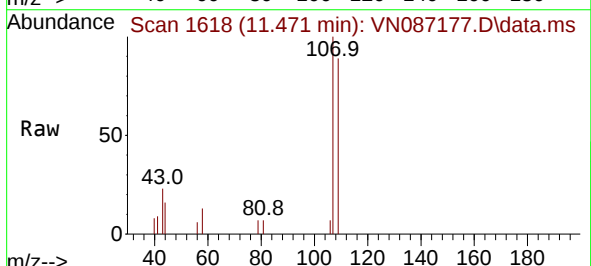
Manual Integrations
APPROVED

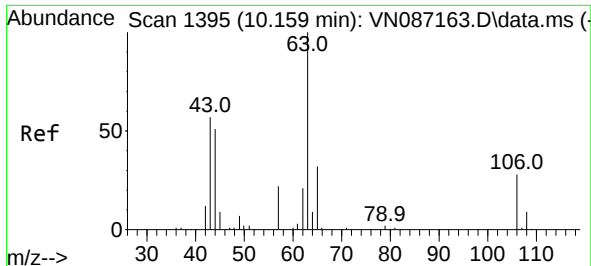
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#54
1,2-Dibromoethane
Concen: 2.175 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Tgt Ion:107 Resp: 5187
Ion Ratio Lower Upper
107 100
109 93.4 73.5 110.3





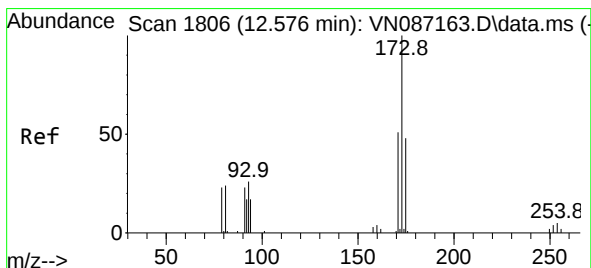
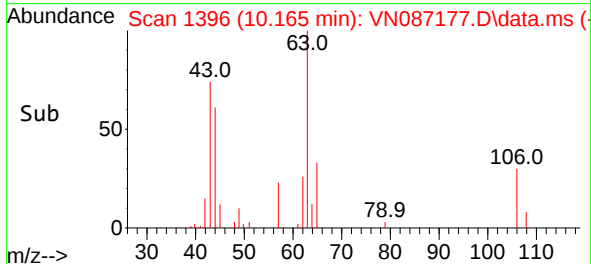
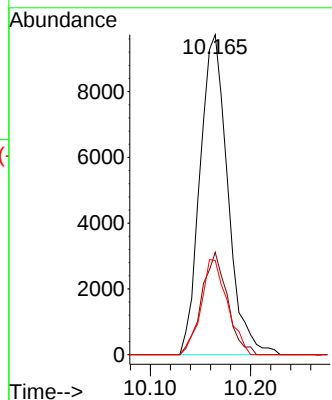
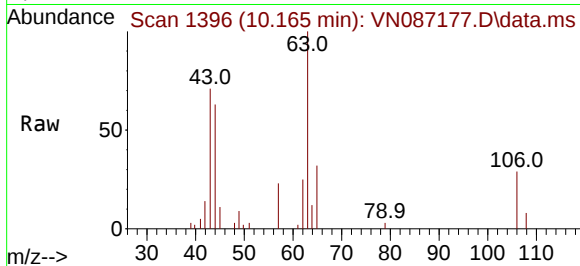
#55
2-Chloroethyl vinyl ether
Concen: 9.305 ug/l
RT: 10.165 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 63 Resp: 1876
Ion Ratio Lower Upper
63 100
65 29.6 25.6 38.4
106 28.2 21.9 32.9

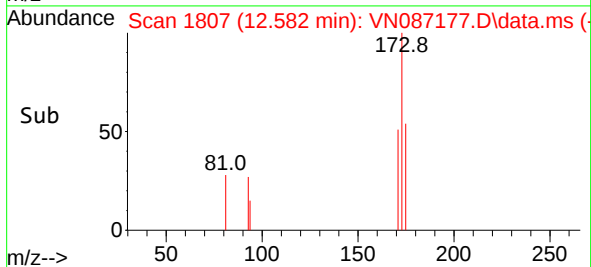
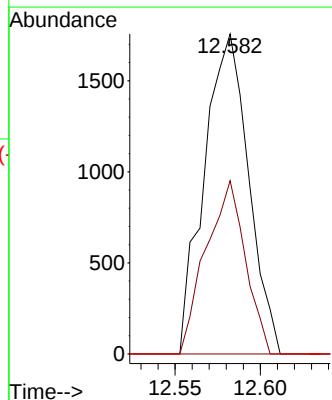
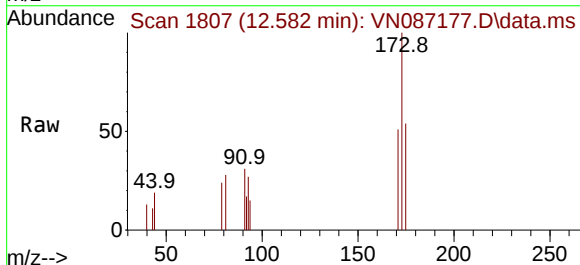
Manual Integrations
APPROVED

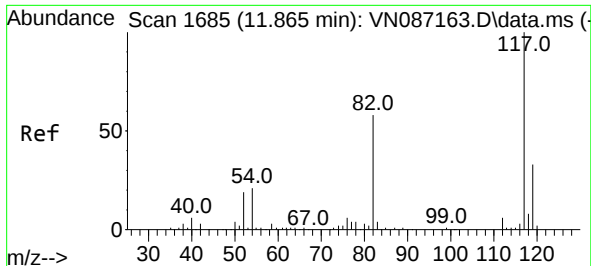
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#56
Bromoform
Concen: 1.906 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Tgt Ion:173 Resp: 3179
Ion Ratio Lower Upper
173 100
175 48.0 38.7 58.1
254 0.0 4.2 6.4#





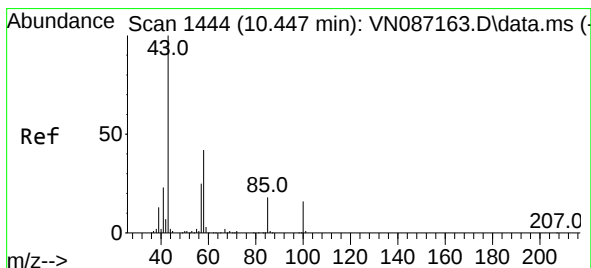
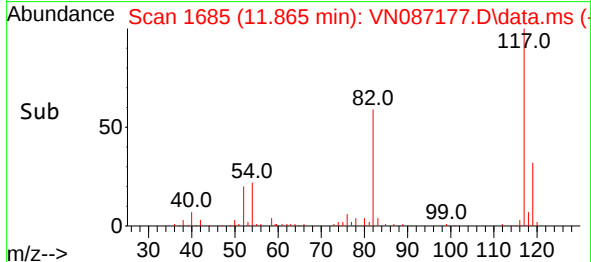
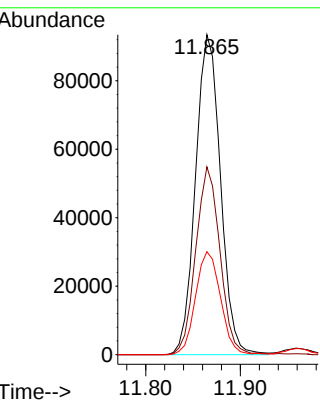
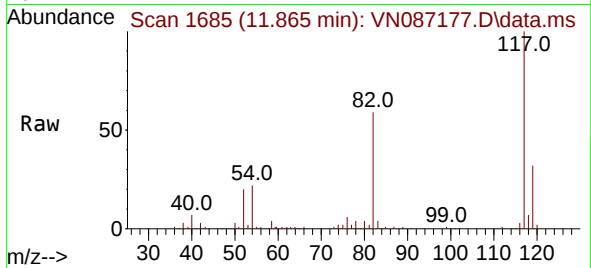
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion:117 Resp: 17104
Ion Ratio Lower Upper
117 100
82 56.8 45.4 68.2
119 32.1 26.2 39.4

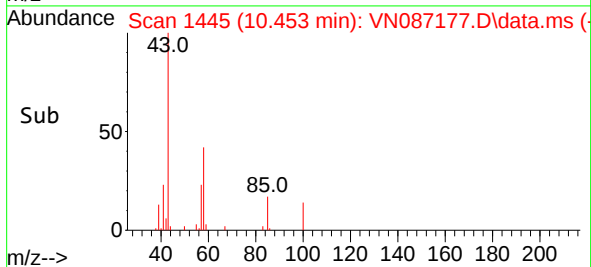
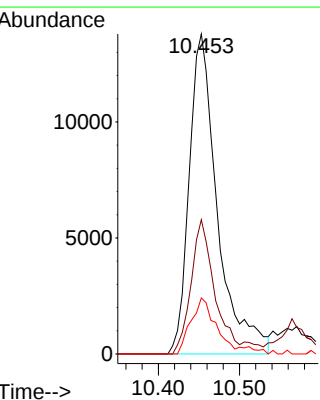
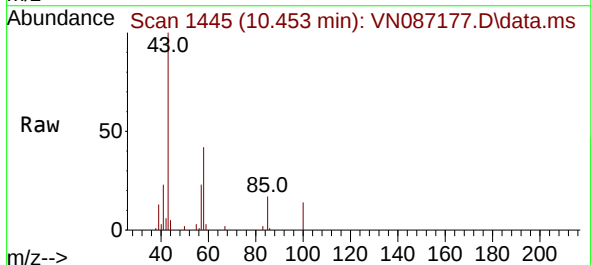
Manual Integrations
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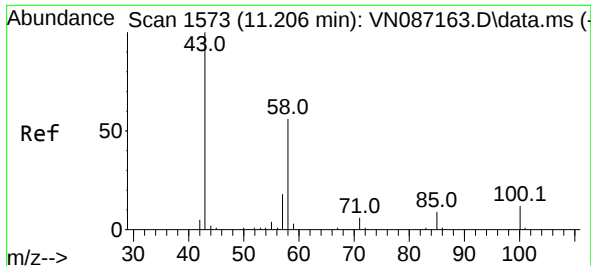
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#58
4-Methyl-2-Pentanone
Concen: 9.679 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

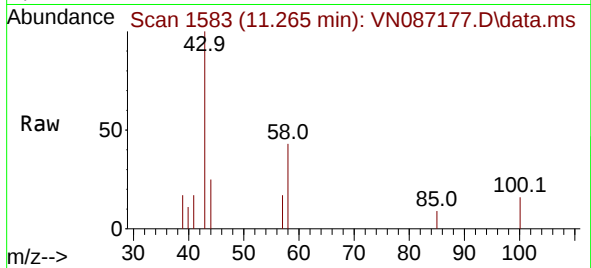
Tgt Ion: 43 Resp: 33281
Ion Ratio Lower Upper
43 100
58 34.9 32.6 49.0
85 15.3 14.6 22.0





#59
2-Hexanone
Concen: 4.178 ug/l m
RT: 11.265 min Scan# 1583
Delta R.T. 0.059 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

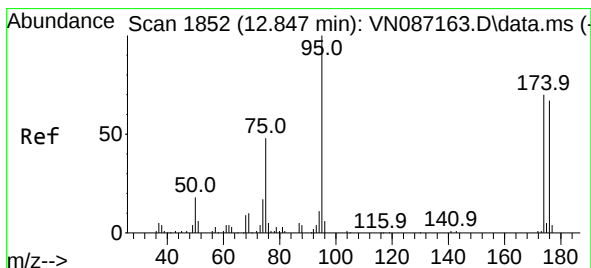
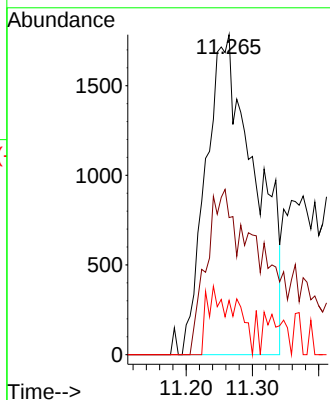
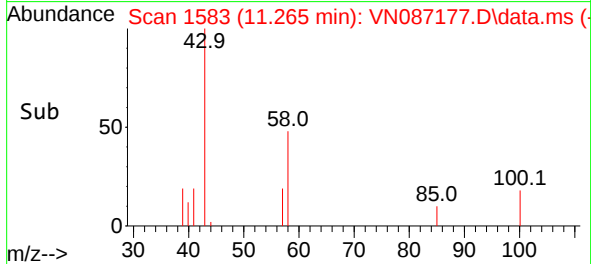
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 43 Resp: 927
Ion Ratio Lower Upper
43 100
58 6.5 49.2 73.8
57 3.5 15.3 22.9

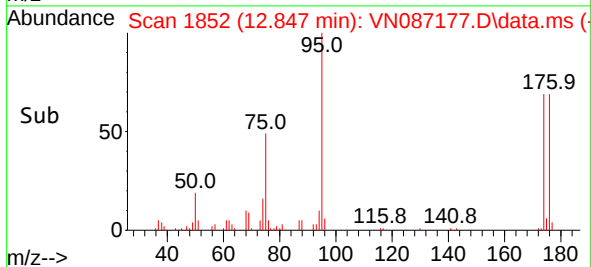
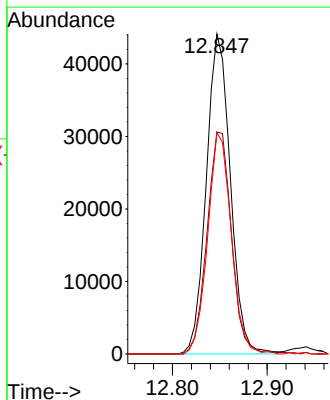
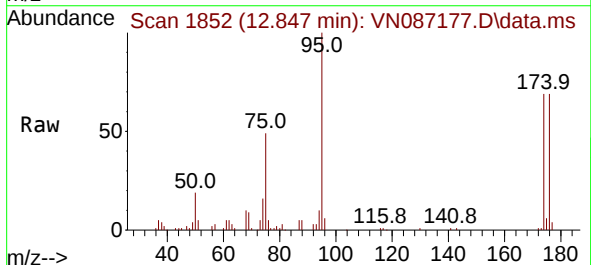
Manual Integrations
APPROVED

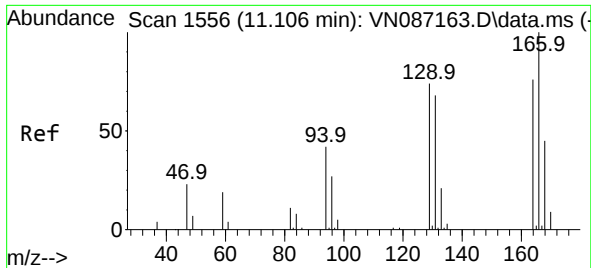
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#60
4-Bromofluorobenzene
Concen: 29.522 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

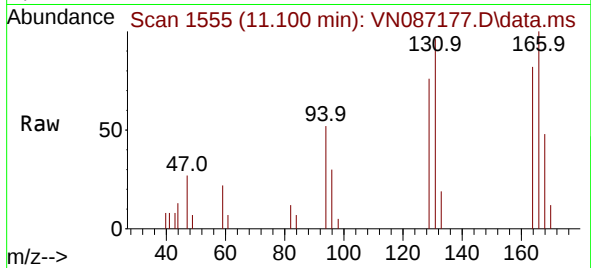
Tgt Ion: 95 Resp: 77918
Ion Ratio Lower Upper
95 100
174 70.2 54.5 81.7
176 67.5 51.9 77.9





#61
Tetrachloroethene
Concen: 2.536 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

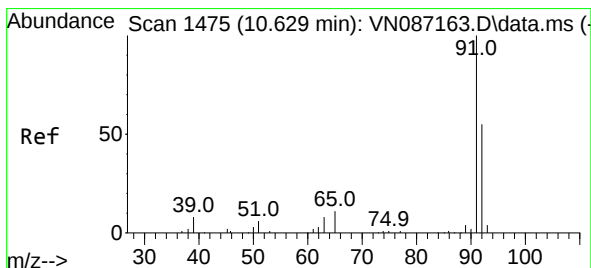
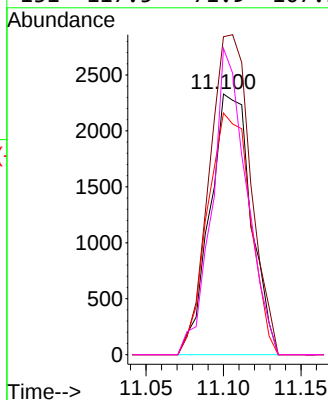
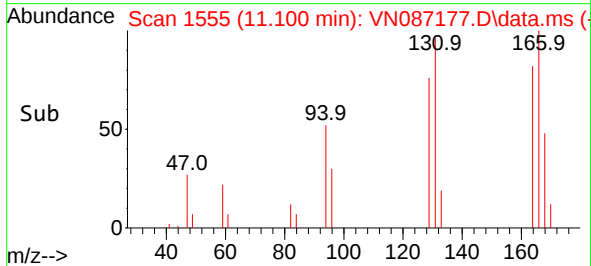
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT2-2025



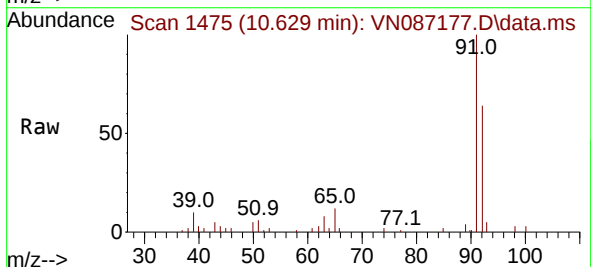
Tgt Ion:164 Resp: 4290
Ion Ratio Lower Upper
164 100
166 122.0 105.4 158.2
129 92.7 77.9 116.9
131 117.5 71.9 107.9#

Manual Integrations
APPROVED

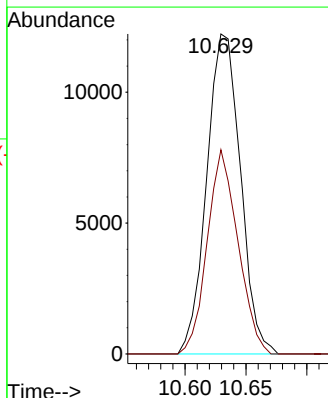
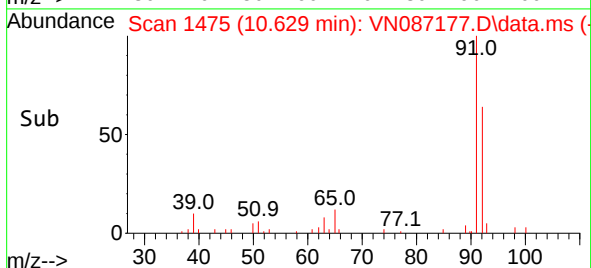
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025

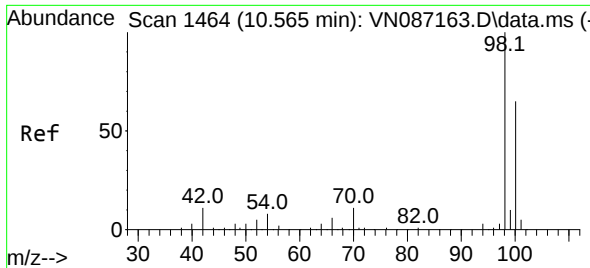


#62
Toluene
Concen: 2.436 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58



Tgt Ion: 91 Resp: 23533
Ion Ratio Lower Upper
91 100
92 58.2 45.8 68.8





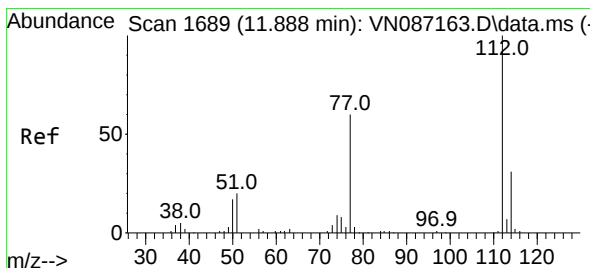
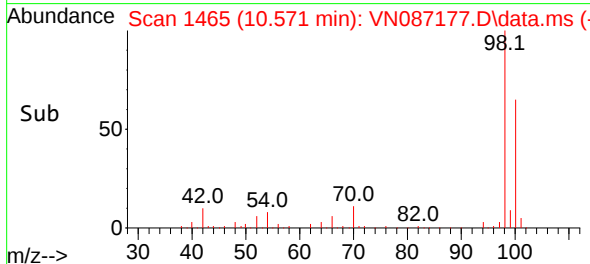
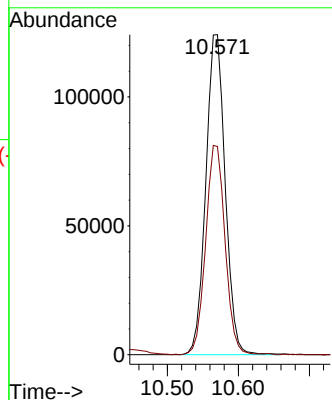
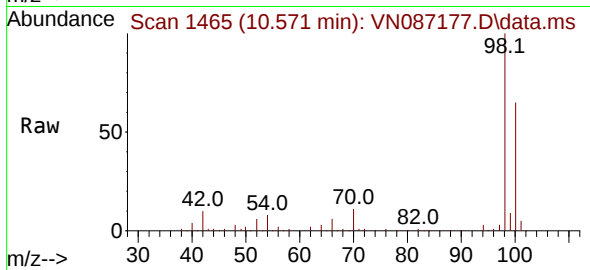
#63
Toluene-d8
Concen: 30.664 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 98 Resp: 235489
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7

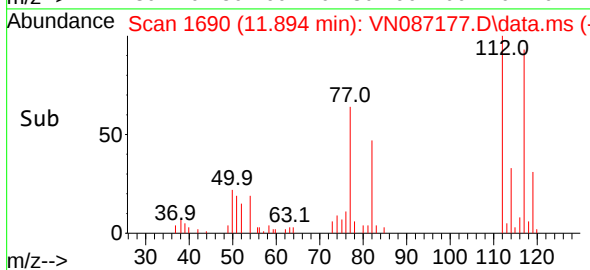
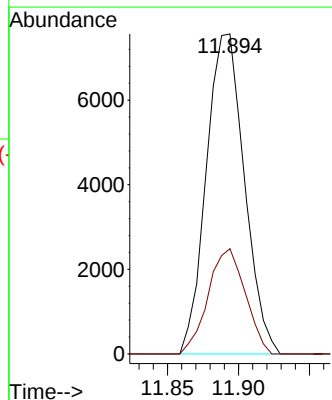
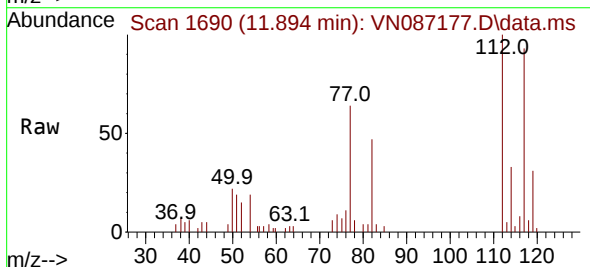
Manual Integrations
APPROVED

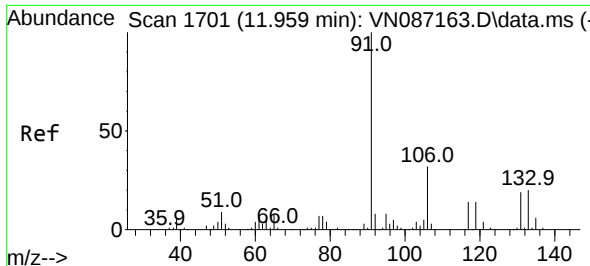
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#64
Chlorobenzene
Concen: 2.289 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Tgt Ion:112 Resp: 14104
Ion Ratio Lower Upper
112 100
114 32.9 25.0 37.4





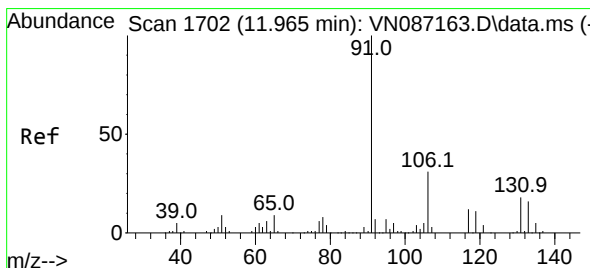
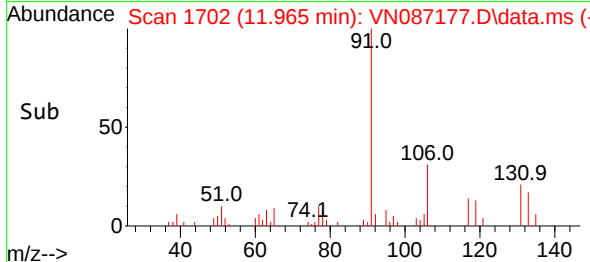
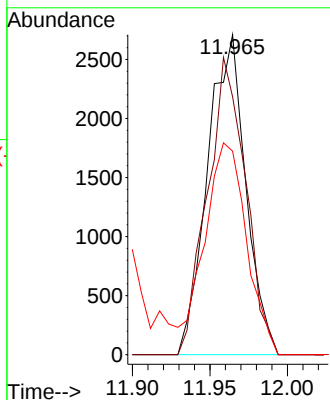
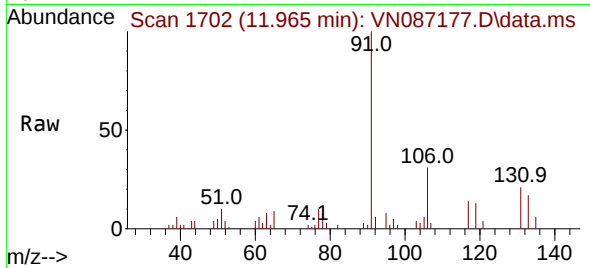
#65
1,1,1,2-Tetrachloroethane
Concen: 2.279 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion:131 Resp: 464
Ion Ratio Lower Upper
131 100
133 92.7 0.0 187.8
119 72.7 0.0 140.0

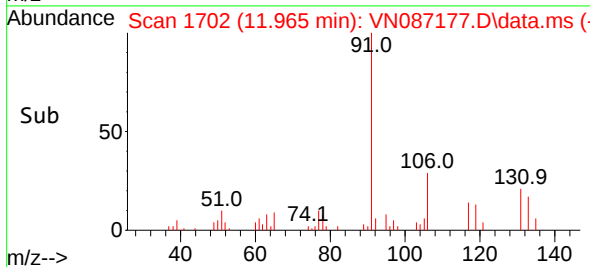
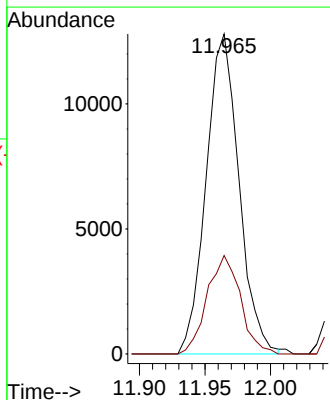
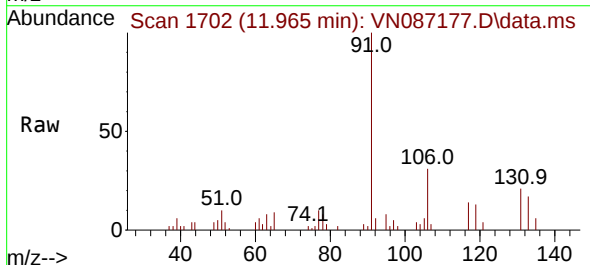
Manual Integrations
APPROVED

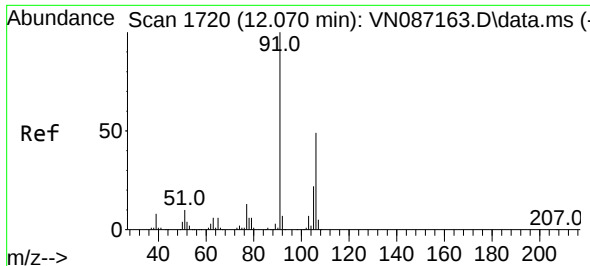
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#66
Ethyl Benzene
Concen: 2.108 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Tgt Ion: 91 Resp: 22292
Ion Ratio Lower Upper
91 100
106 30.7 24.8 37.2





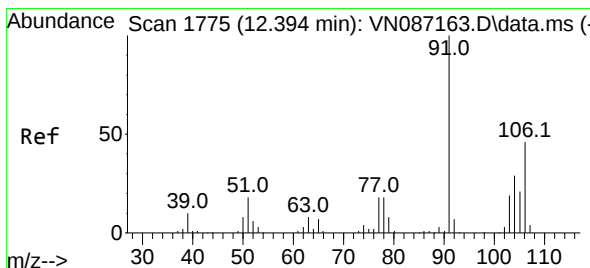
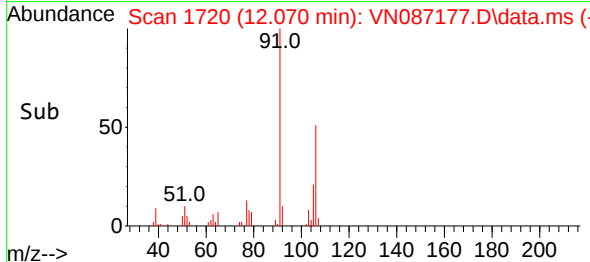
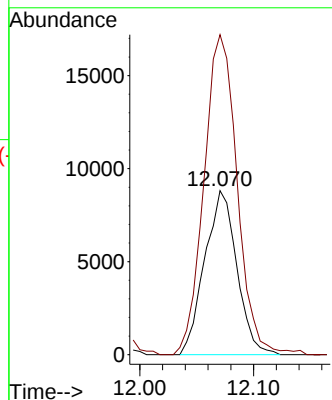
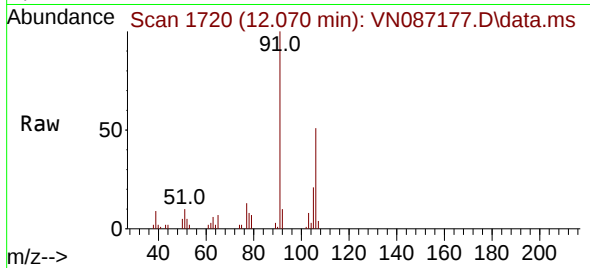
#67
m/p-Xylenes
Concen: 4.275 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion:106 Resp: 1732
Ion Ratio Lower Upper
106 100
91 201.5 163.0 244.4

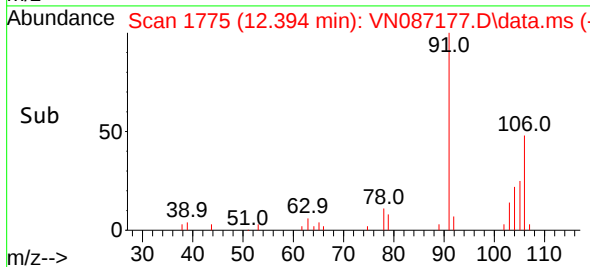
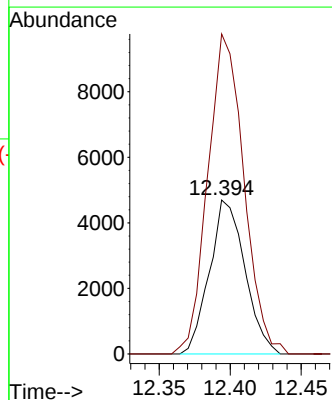
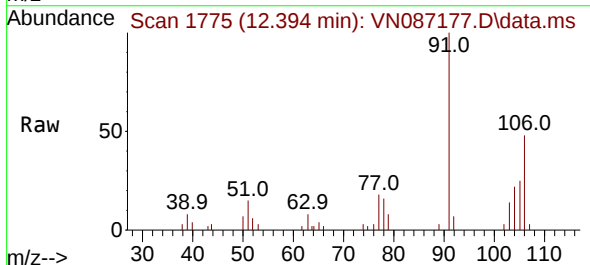
Manual Integrations
APPROVED

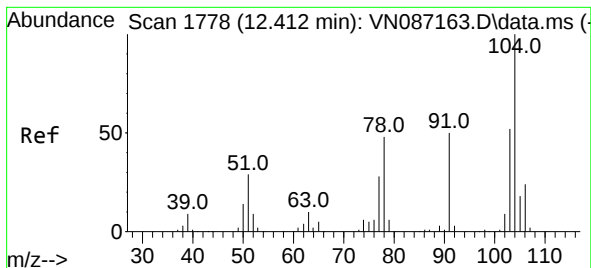
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#68
o-Xylene
Concen: 2.109 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Tgt Ion:106 Resp: 8154
Ion Ratio Lower Upper
106 100
91 211.7 107.1 321.1





#69

Styrene

Concen: 1.956 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. -0.000 min

Lab File: VN087177.D

Acq: 25 Jun 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2025

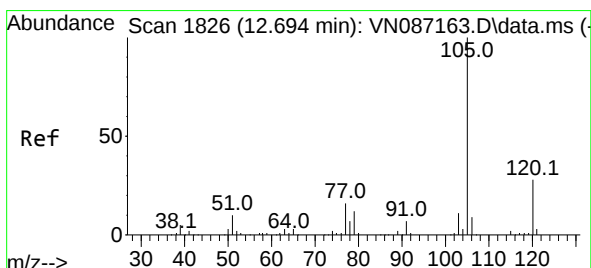
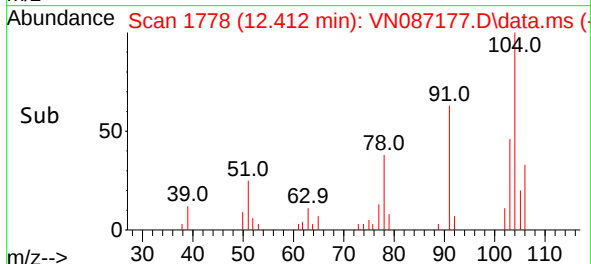
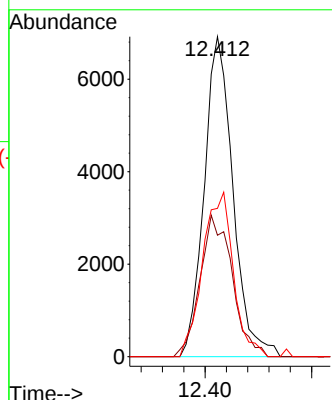
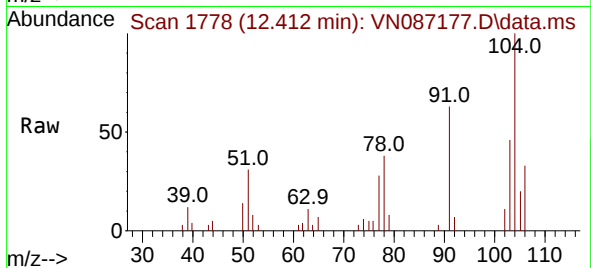
Tgt Ion:104	Resp:	12979
Ion Ratio	Lower	Upper
104	100	
78	49.2	39.8 59.8
103	54.6	44.2 66.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/26/2025

Supervised By :Mahesh Dadoda 06/26/2025



#70

Isopropylbenzene

Concen: 2.074 ug/l

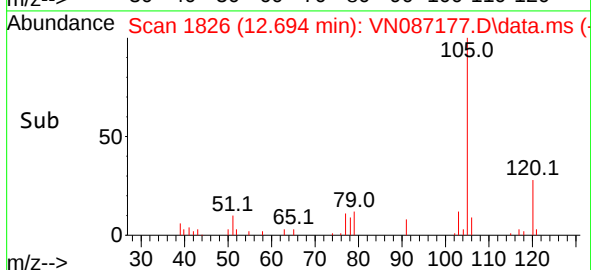
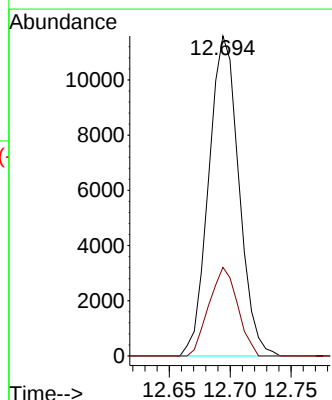
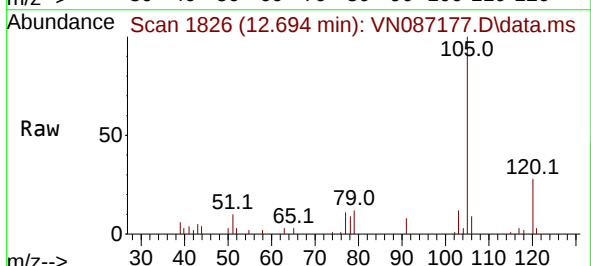
RT: 12.694 min Scan# 1826

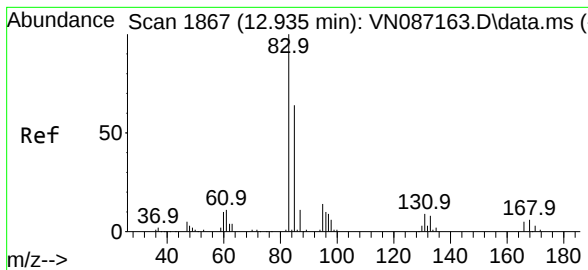
Delta R.T. -0.000 min

Lab File: VN087177.D

Acq: 25 Jun 2025 14:58

Tgt Ion:105	Resp:	19971
Ion Ratio	Lower	Upper
105	100	
120	26.3	19.0 35.2





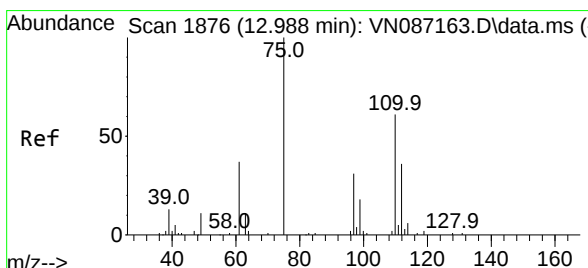
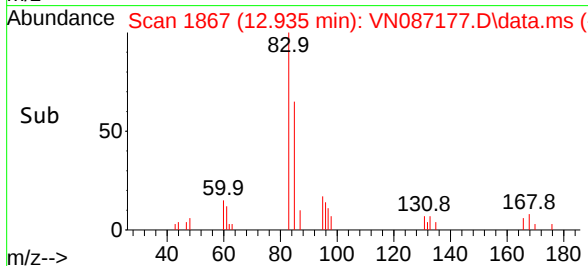
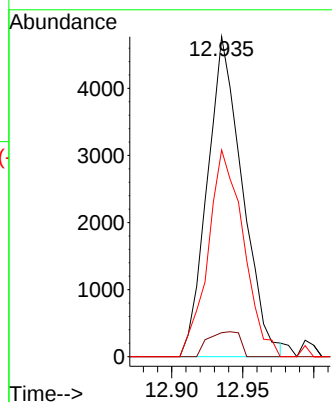
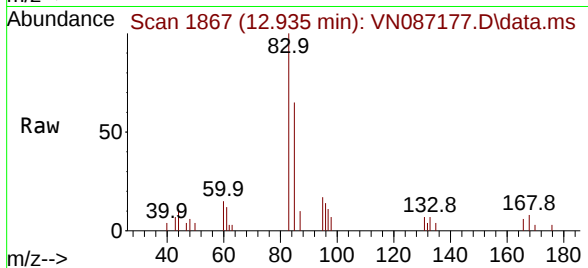
#71
1,1,2,2-Tetrachloroethane
Concen: 2.365 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 83 Resp: 819
Ion Ratio Lower Upper
83 100
131 7.1 4.5 13.4
85 65.3 31.3 93.9

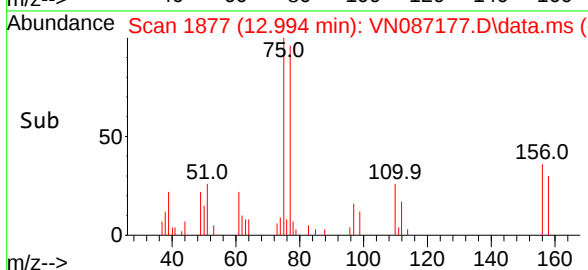
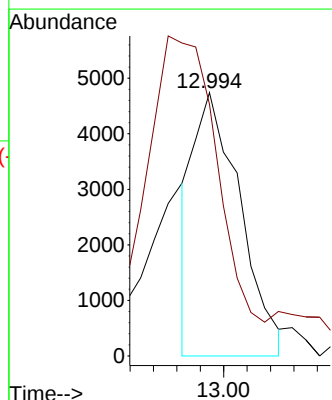
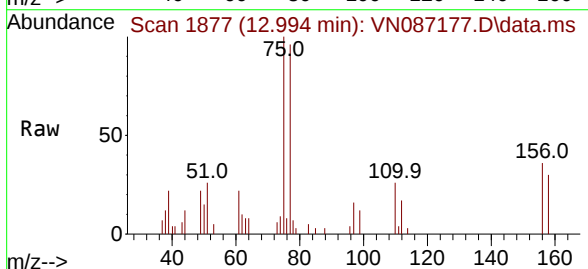
Manual Integrations
APPROVED

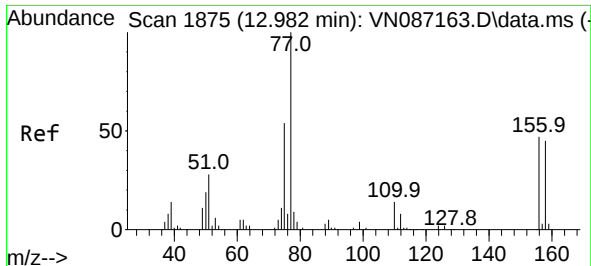
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#72
1,2,3-Trichloropropane
Concen: 2.194 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Tgt Ion: 75 Resp: 6555
Ion Ratio Lower Upper
75 100
77 193.6 0.0 379.2





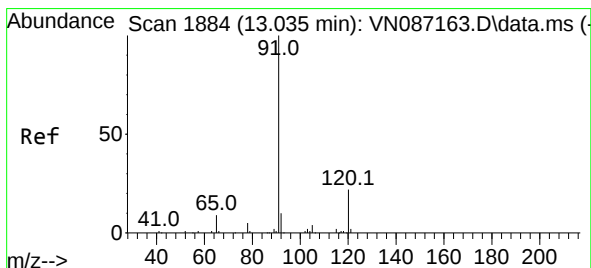
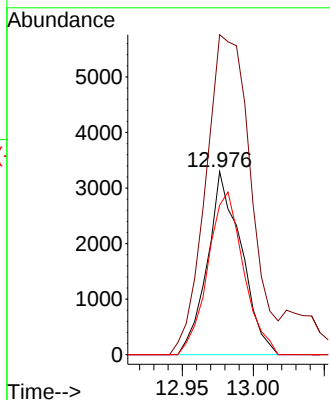
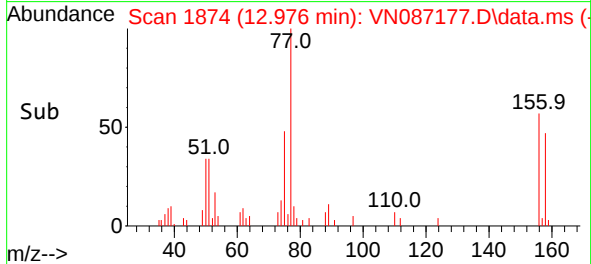
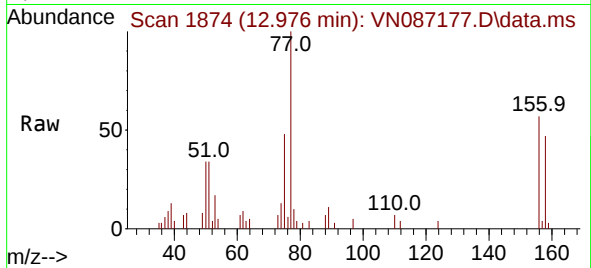
#73
Bromobenzene
Concen: 2.341 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT2-2025

Tgt Ion:156 Resp: 546
Ion Ratio Lower Upper
156 100
77 232.1 0.0 489.0
158 93.8 0.0 195.2

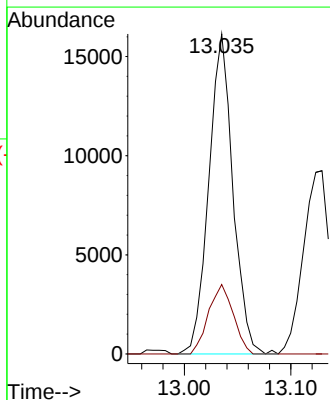
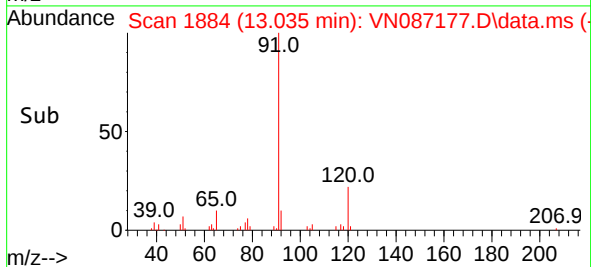
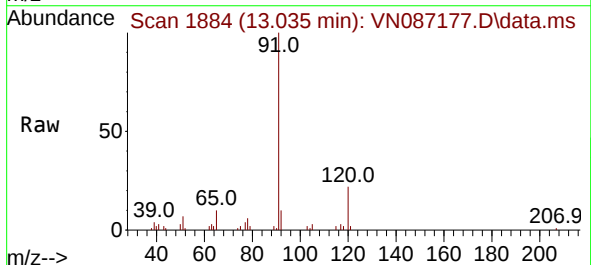
Manual Integrations
APPROVED

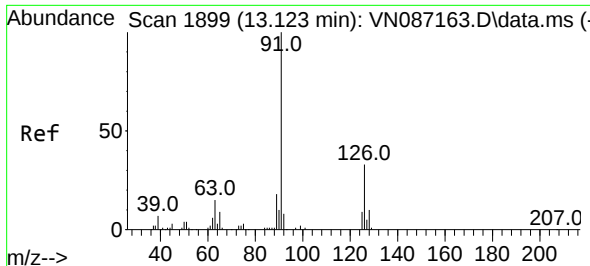
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#74
n-propylbenzene
Concen: 2.160 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Tgt Ion: 91 Resp: 25410
Ion Ratio Lower Upper
91 100
120 22.2 0.0 43.6





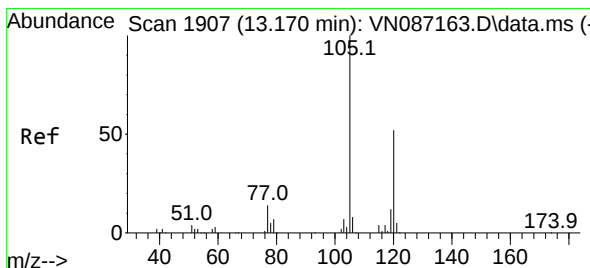
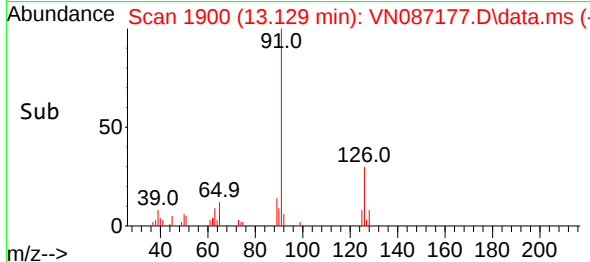
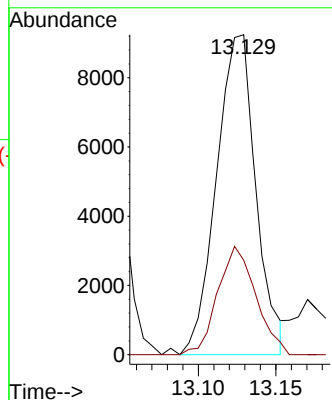
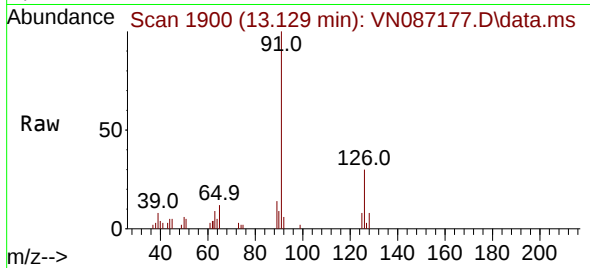
#75
2-Chlorotoluene
Concen: 2.300 ug/l
RT: 13.129 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 91 Resp: 1634
Ion Ratio Lower Upper
91 100
126 32.8 0.0 63.8

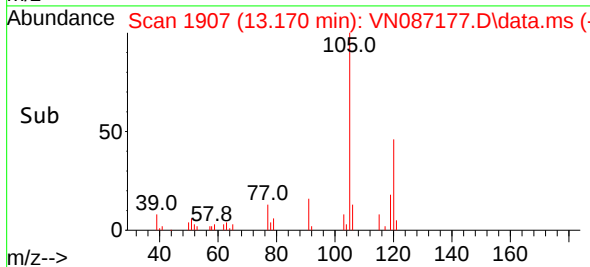
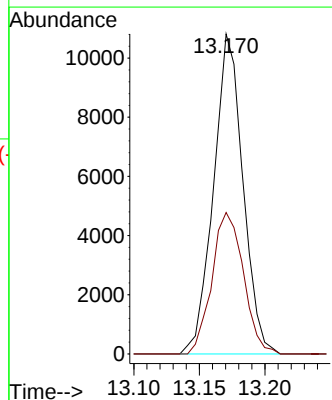
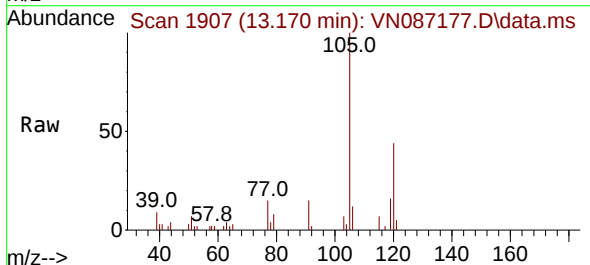
Manual Integrations
APPROVED

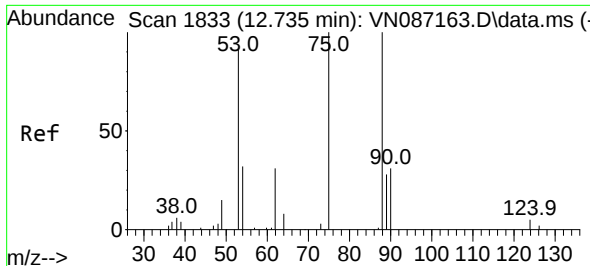
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#76
1,3,5-Trimethylbenzene
Concen: 2.148 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

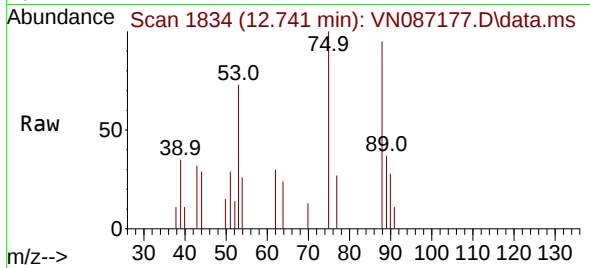
Tgt Ion:105 Resp: 16837
Ion Ratio Lower Upper
105 100
120 47.4 0.0 100.8





#77
t-1,4-Dichloro-2-butene
Concen: 1.713 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

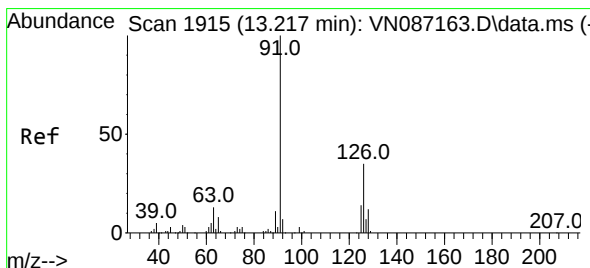
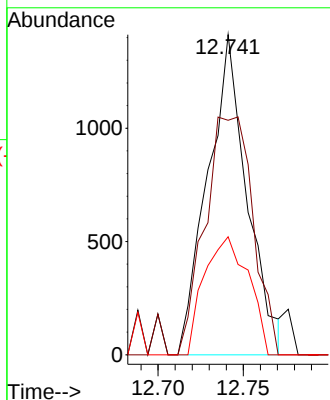
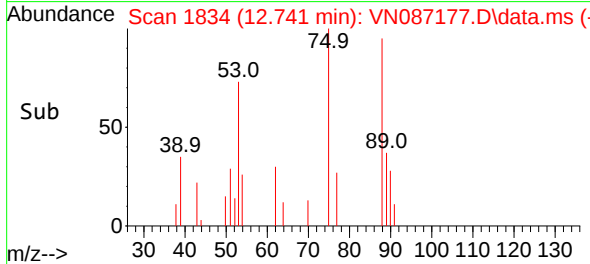
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 75 Resp: 2270
Ion Ratio Lower Upper
75 100
53 73.2 45.9 137.6
89 36.9 22.3 66.9

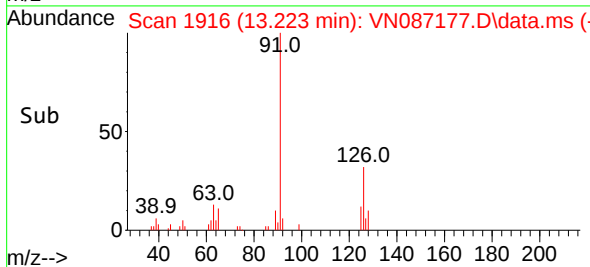
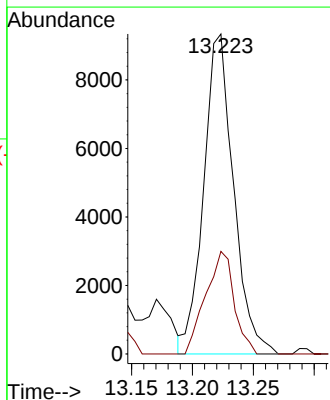
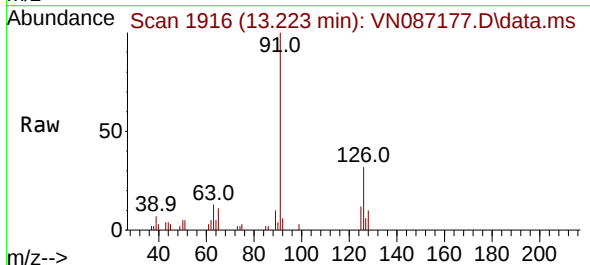
Manual Integrations
APPROVED

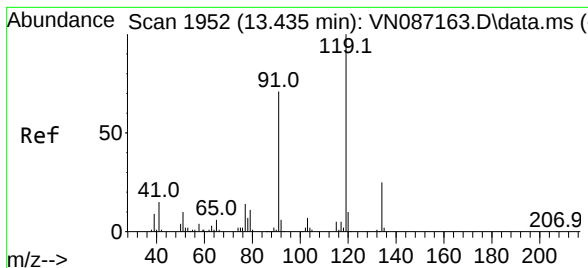
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#78
4-Chlorotoluene
Concen: 2.189 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Tgt Ion: 91 Resp: 15930
Ion Ratio Lower Upper
91 100
126 30.6 0.0 65.2





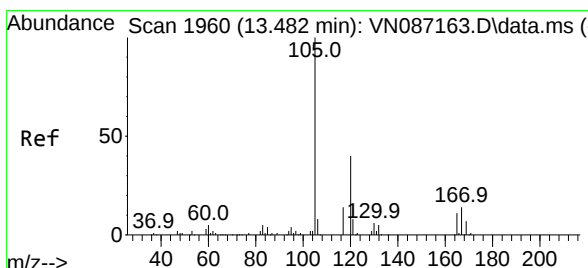
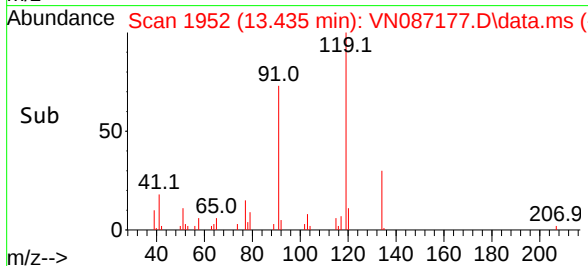
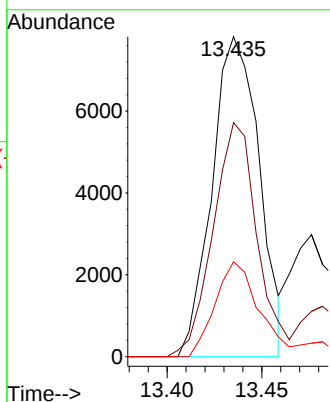
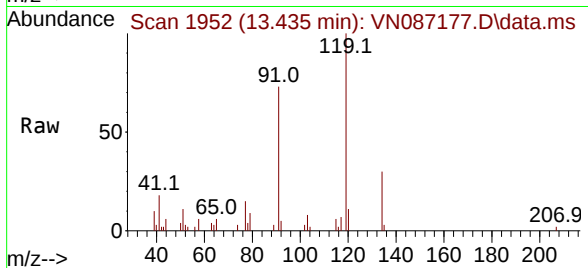
#79
tert-butylbenzene
Concen: 2.059 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT2-2025

Tgt Ion:119 Resp: 1356
Ion Ratio Lower Upper
119 100
91 68.2 0.0 137.0
134 27.3 0.0 49.4

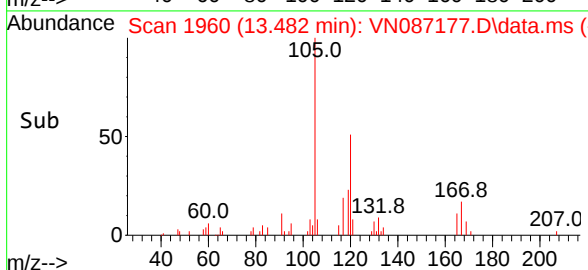
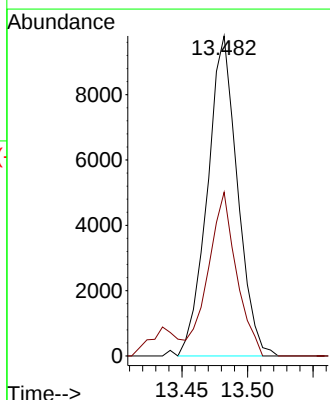
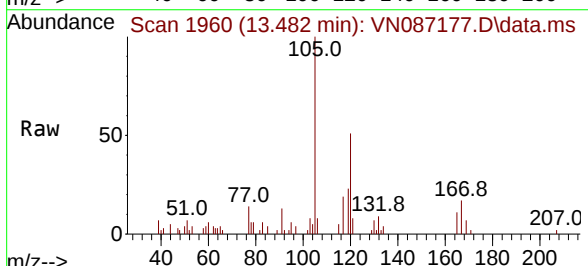
Manual Integrations
APPROVED

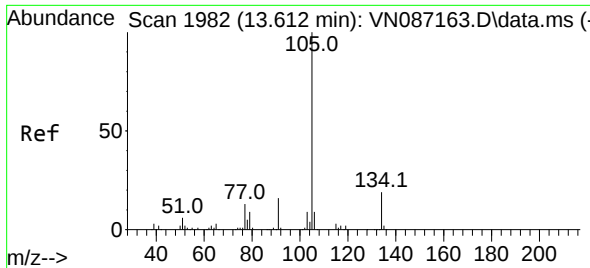
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#80
1,2,4-Trimethylbenzene
Concen: 1.987 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Tgt Ion:105 Resp: 15637
Ion Ratio Lower Upper
105 100
120 47.8 0.0 94.0





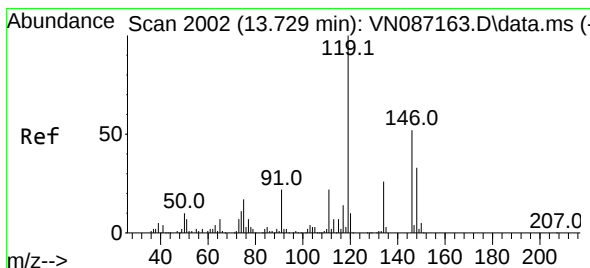
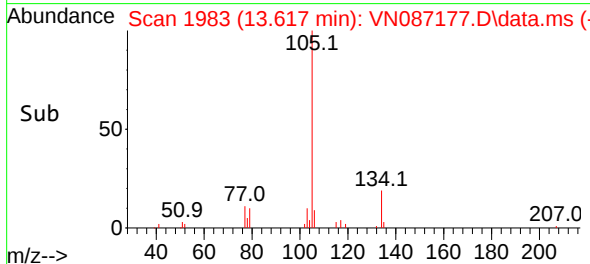
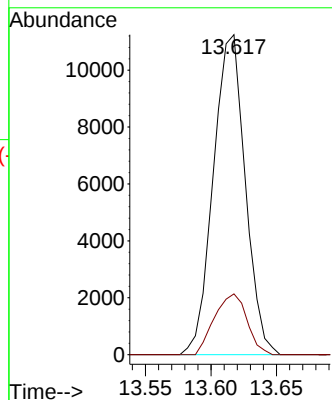
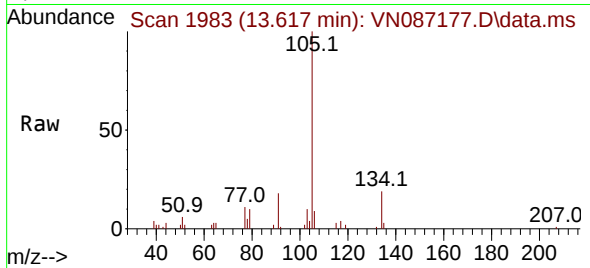
#81
 sec-Butylbenzene
 Concen: 1.990 ug/l
 RT: 13.617 min Scan# 1982
 Delta R.T. 0.006 min
 Lab File: VN087177.D
 Acq: 25 Jun 2025 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025

Tgt Ion:105 Resp: 19062
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 39.4

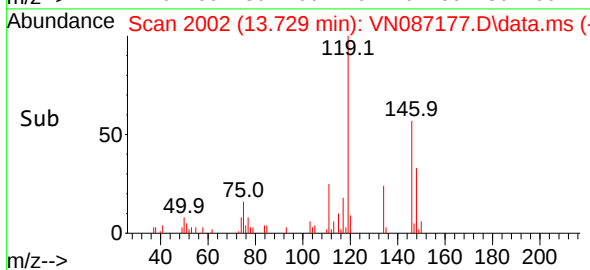
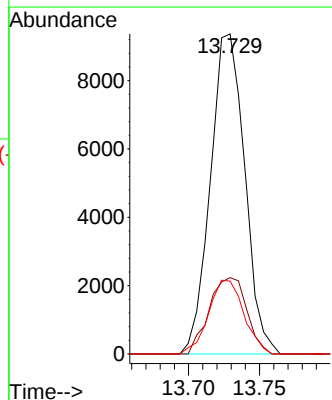
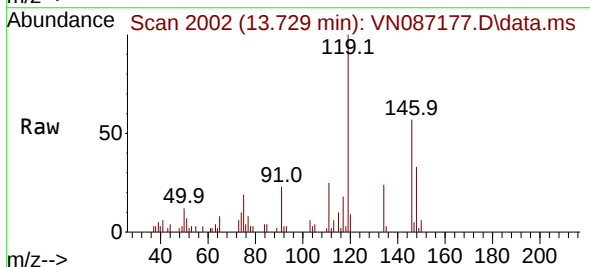
Manual Integrations
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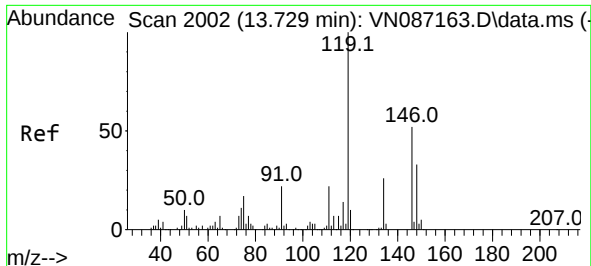
Reviewed By :John Carlone 06/26/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#82
 p-Isopropyltoluene
 Concen: 1.975 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN087177.D
 Acq: 25 Jun 2025 14:58

Tgt Ion:119 Resp: 15737
 Ion Ratio Lower Upper
 119 100
 134 26.1 0.0 51.2
 91 23.7 0.0 46.4





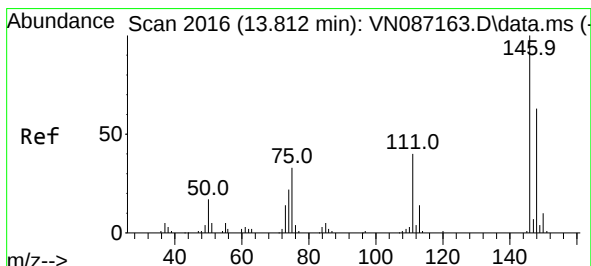
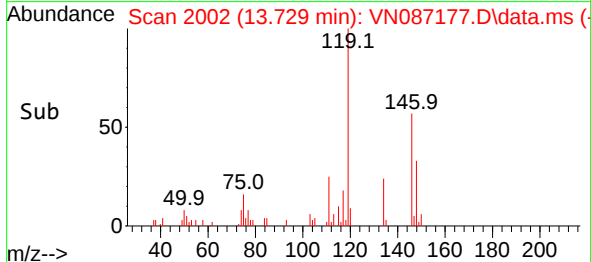
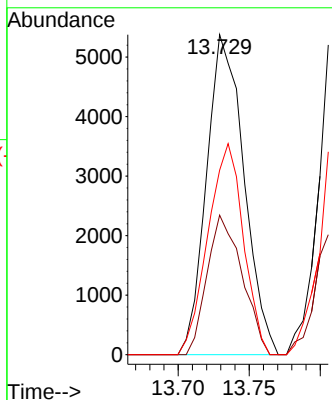
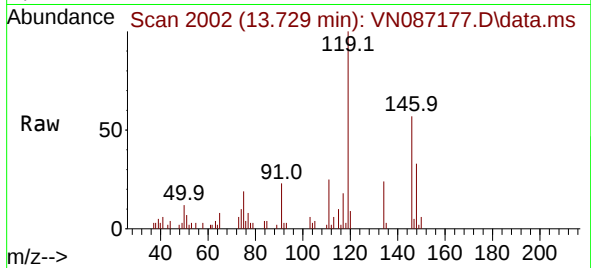
#83
1,3-Dichlorobenzene
Concen: 2.188 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion:146 Resp: 9840
Ion Ratio Lower Upper
146 100
111 40.8 21.1 63.3
148 62.6 31.6 94.8

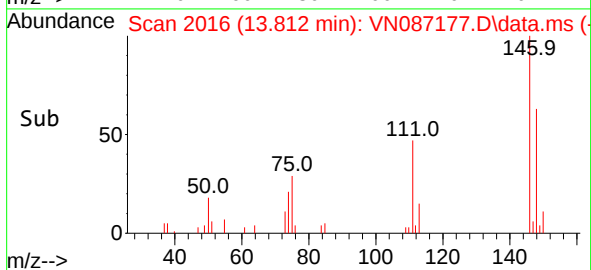
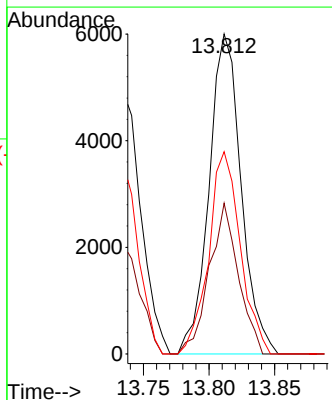
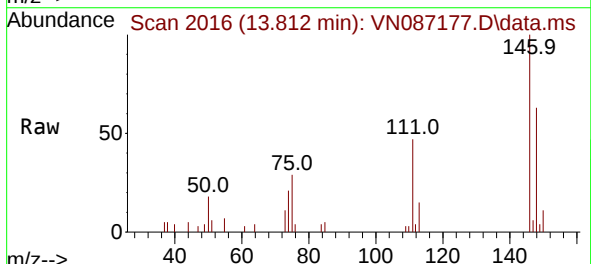
Manual Integrations
APPROVED

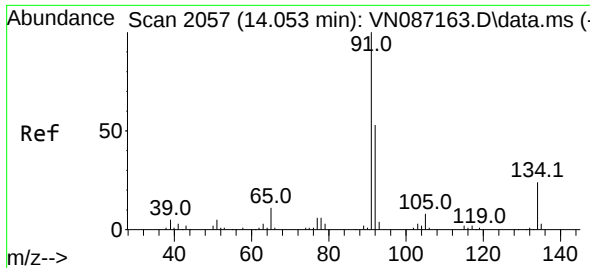
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#84
1,4-Dichlorobenzene
Concen: 2.258 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Tgt Ion:146 Resp: 10222
Ion Ratio Lower Upper
146 100
111 42.8 20.1 60.2
148 62.2 31.4 94.2





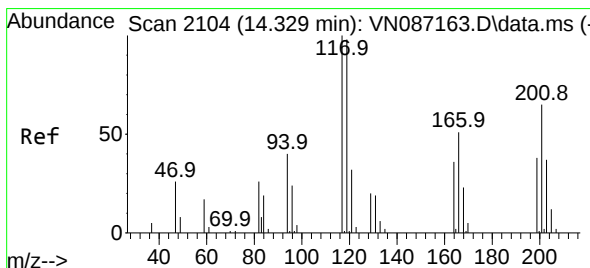
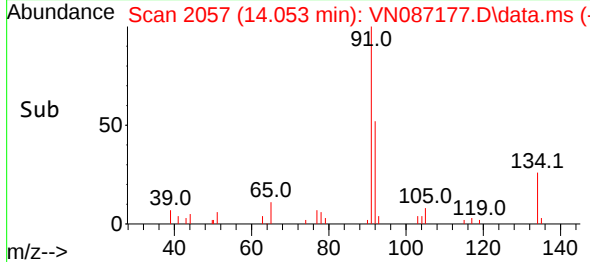
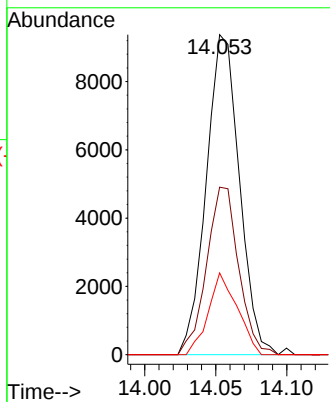
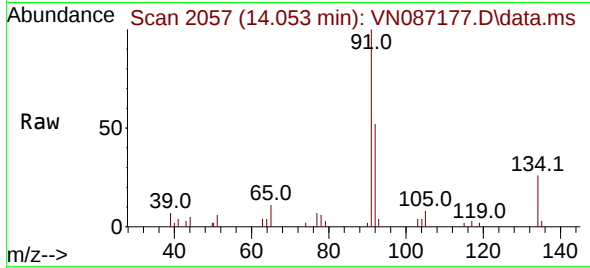
#85
n-Butylbenzene
Concen: 2.092 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 91 Resp: 15210
Ion Ratio Lower Upper
91 100
92 50.8 0.0 106.4
134 22.3 0.0 48.8

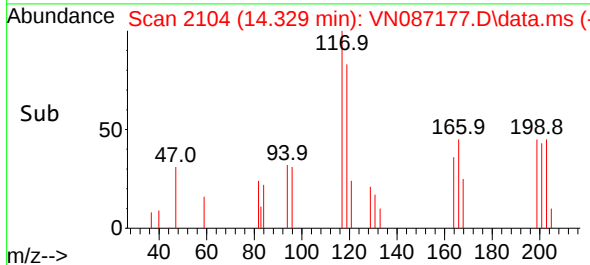
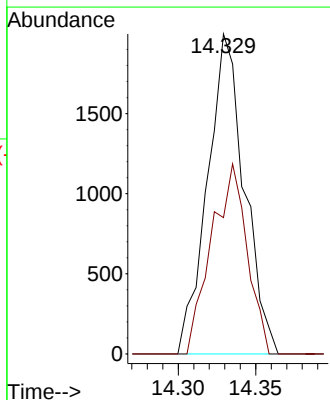
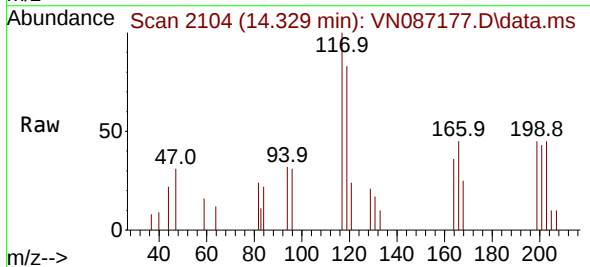
Manual Integrations
APPROVED

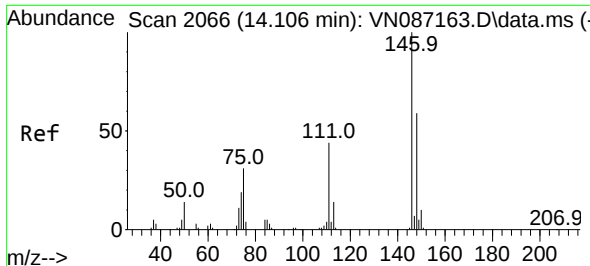
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#86
Hexachloroethane
Concen: 2.194 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Tgt Ion:117 Resp: 3310
Ion Ratio Lower Upper
117 100
201 57.1 30.8 92.3





#87

1,2-Dichlorobenzene

Concen: 2.301 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN087177.D

Acq: 25 Jun 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2025

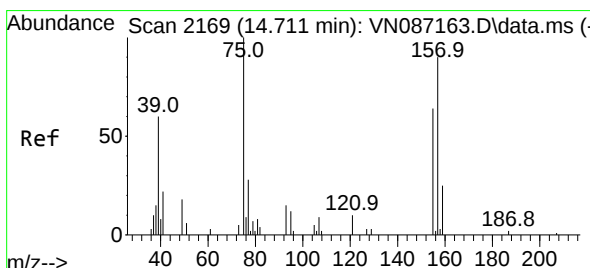
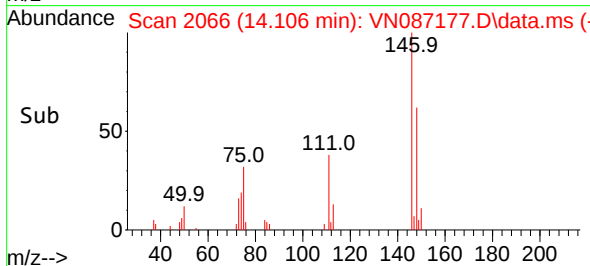
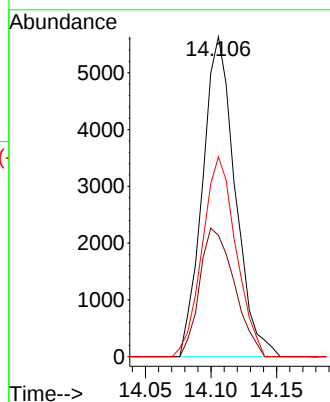
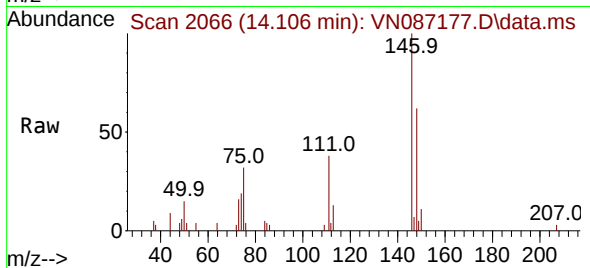
Tgt Ion:	146	Resp:	9750
Ion	Ratio	Lower	Upper
146	100		
111	42.7	22.1	66.1
148	64.5	31.6	95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/26/2025

Supervised By :Mahesh Dadoda 06/26/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 2.394 ug/l

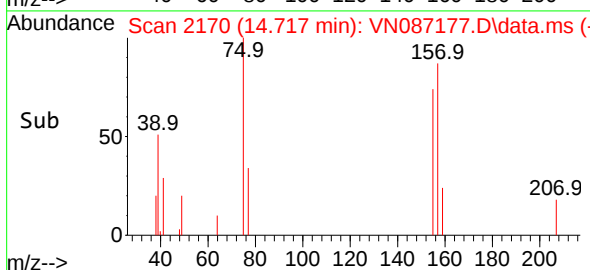
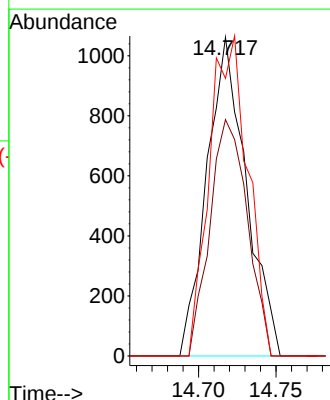
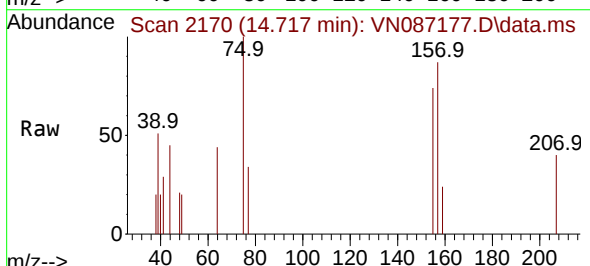
RT: 14.717 min Scan# 2170

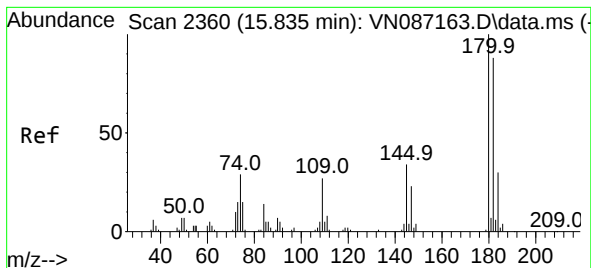
Delta R.T. 0.006 min

Lab File: VN087177.D

Acq: 25 Jun 2025 14:58

Tgt Ion:	75	Resp:	1868
Ion	Ratio	Lower	Upper
75	100		
155	70.9	58.3	87.5
157	98.0	79.2	118.8





#89

1,2,4-Trichlorobenzene

Concen: 2.361 ug/l m

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN087177.D

Acq: 25 Jun 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2025

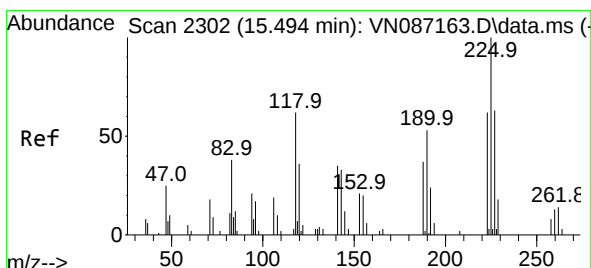
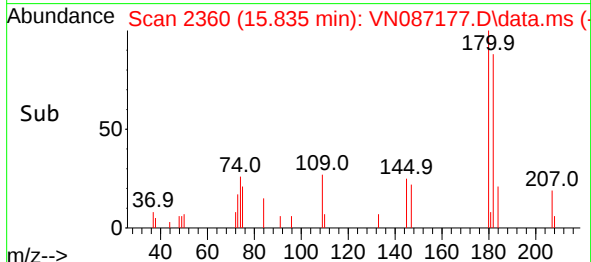
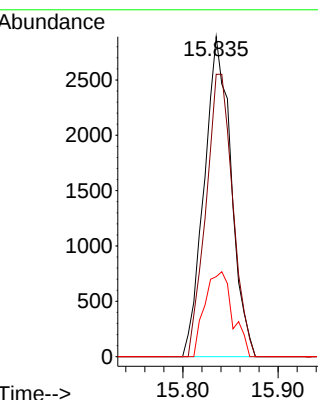
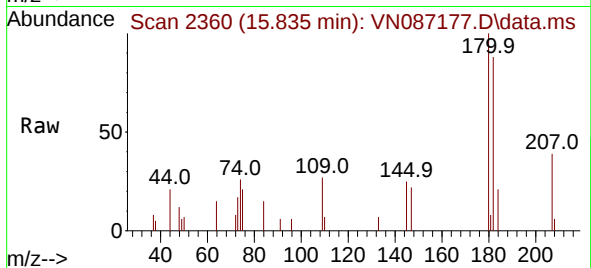
Tgt Ion:	180	Resp:	566
Ion Ratio	Lower	Upper	
180	100		
182	91.9	74.2	111.2
145	30.2	27.6	41.4

Manual Integrations

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Reviewed By :John Carlone 06/26/2025

Supervised By :Mahesh Dadoda 06/26/2025



#90

Hexachlorobutadiene

Concen: 2.287 ug/l

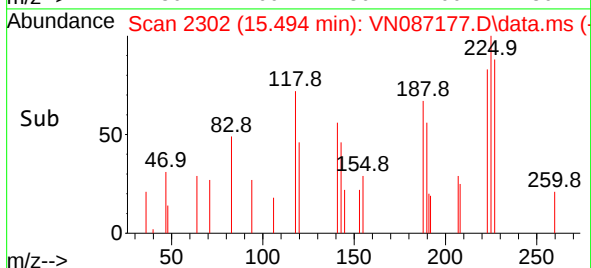
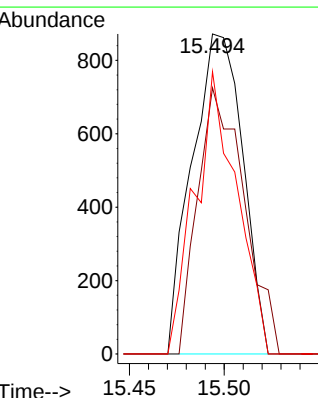
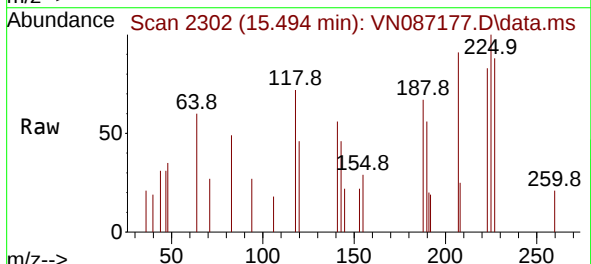
RT: 15.494 min Scan# 2302

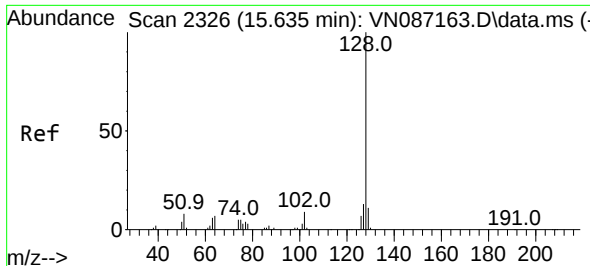
Delta R.T. -0.000 min

Lab File: VN087177.D

Acq: 25 Jun 2025 14:58

Tgt Ion:	225	Resp:	1628
Ion Ratio	Lower	Upper	
225	100		
223	75.9	0.0	134.2
227	72.7	0.0	122.6





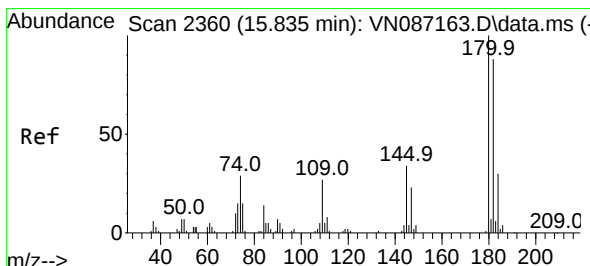
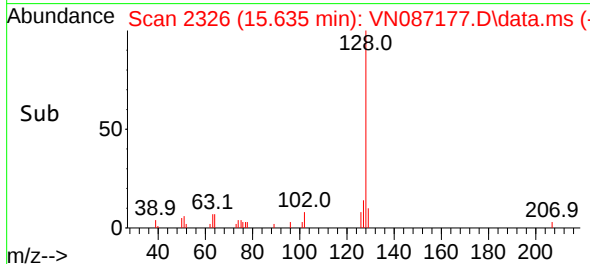
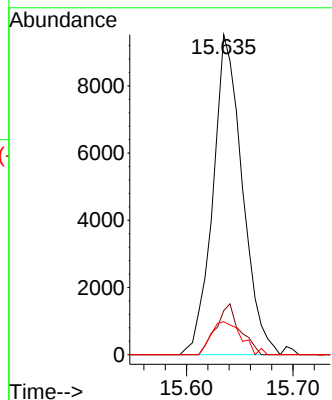
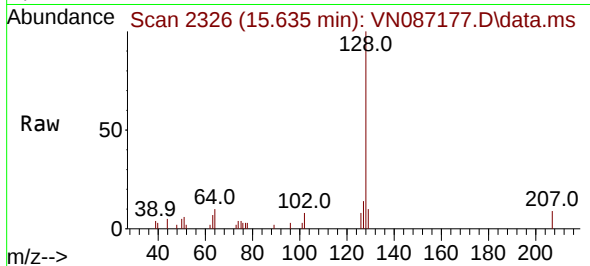
#91
Naphthalene
Concen: 1.938 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Tgt Ion:128 Resp: 18300
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.3 8.8 13.2

Manual Integrations
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Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#92
1,2,3-Trichlorobenzene
Concen: 2.361 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN087177.D
Acq: 25 Jun 2025 14:58

Tgt Ion:180 Resp: 5663
Ion Ratio Lower Upper
180 100
182 88.0 0.0 185.4
145 24.3 0.0 69.0

