

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088410.D
 Acq On : 02 Dec 2025 15:42
 Operator : JC\MD
 Sample : Q3530-07 0.75PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Dec 03 03:46:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	244516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	466030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	410573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	188301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	228569	49.622	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.240%		
35) Dibromofluoromethane	8.147	113	147241	45.592	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.180%		
50) Toluene-d8	10.541	98	527607	43.907	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	87.820%		
62) 4-Bromofluorobenzene	12.823	95	166847	40.467	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	80.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.148	85	2409	0.656	ug/l	92
3) Chloromethane	2.383	50	2954	0.749	ug/l #	73
4) Vinyl Chloride	2.542	62	2864	0.714	ug/l	98
5) Bromomethane	2.995	94	1372m	0.710	ug/l	
6) Chloroethane	3.154	64	1977	0.796	ug/l #	85
7) Trichlorofluoromethane	3.524	101	4534	0.804	ug/l #	82
8) Diethyl Ether	3.959	74	1792m	0.847	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.377	101	2519	0.839	ug/l	92
10) Methyl Iodide	4.577	142	1657	0.557	ug/l #	87
11) Tert butyl alcohol	5.524	59	2481m	3.374	ug/l	
12) 1,1-Dichloroethene	4.348	96	2679m	0.898	ug/l	
13) Acrolein	4.183	56	2864m	4.068	ug/l	
14) Allyl chloride	5.018	41	4038	0.730	ug/l #	87
15) Acrylonitrile	5.712	53	8664	4.083	ug/l #	88
16) Acetone	4.430	43	12098	7.262	ug/l #	87
17) Carbon Disulfide	4.700	76	8938	0.917	ug/l	96
18) Methyl Acetate	5.012	43	4283	0.864	ug/l #	72
19) Methyl tert-butyl Ether	5.777	73	8829	0.790	ug/l	98
20) Methylene Chloride	5.265	84	3517	0.987	ug/l #	85
21) trans-1,2-Dichloroethene	5.783	96	2537	0.768	ug/l #	52
22) Diisopropyl ether	6.647	45	8192m	0.694	ug/l	
23) Vinyl Acetate	6.589	43	36241m	3.811	ug/l	
24) 1,1-Dichloroethane	6.553	63	5315	0.795	ug/l #	83
25) 2-Butanone	7.477	43	12242	4.571	ug/l	94
26) 2,2-Dichloropropane	7.471	77	4606	0.798	ug/l	79
27) cis-1,2-Dichloroethene	7.477	96	3406	0.887	ug/l	72
28) Bromochloromethane	7.800	49	2470	0.742	ug/l #	98
29) Tetrahydrofuran	7.830	42	6278	3.268	ug/l	97
30) Chloroform	7.953	83	5101	0.777	ug/l	91
31) Cyclohexane	8.206	56	12072	1.993	ug/l #	37
32) 1,1,1-Trichloroethane	8.141	97	5074	0.879	ug/l #	52
36) 1,1-Dichloropropene	8.341	75	3442m	0.691	ug/l	
37) Ethyl Acetate	7.541	43	5406	0.825	ug/l #	77
38) Carbon Tetrachloride	8.347	117	3912	0.788	ug/l #	84
39) Methylcyclohexane	9.588	83	3534	0.663	ug/l #	91
40) Benzene	8.588	78	11127	0.761	ug/l #	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	2493	0.768	ug/l #	55
42) 1,2-Dichloroethane	8.659	62	4583	0.821	ug/l	84
43) Isopropyl Acetate	8.677	43	7210	0.720	ug/l #	61
44) Trichloroethene	9.335	130	2925	0.846	ug/l	64
45) 1,2-Dichloropropane	9.594	63	3248	0.867	ug/l #	88
46) Dibromomethane	9.682	93	2073	0.775	ug/l #	88
47) Bromodichloromethane	9.865	83	4099	0.751	ug/l #	91
48) Methyl methacrylate	9.665	41	3633m	0.795	ug/l	
49) 1,4-Dioxane	9.682	88	440m	7.573	ug/l	
51) 4-Methyl-2-Pentanone	10.424	43	18147	3.075	ug/l	100
52) Toluene	10.612	92	6700	0.793	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	3896	0.695	ug/l #	59
54) cis-1,3-Dichloropropene	10.282	75	4058	0.689	ug/l #	73
55) 1,1,2-Trichloroethane	10.988	97	2517	0.770	ug/l #	92
56) Ethyl methacrylate	10.865	69	2137	0.414	ug/l #	75
57) 1,3-Dichloropropane	11.135	76	4538	0.770	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.147	63	8192	2.753	ug/l	97
59) 2-Hexanone	11.188	43	13025m	3.503	ug/l	
60) Dibromochloromethane	11.324	129	2785	0.748	ug/l #	11
61) 1,2-Dibromoethane	11.447	107	2683	0.811	ug/l	86
64) Tetrachloroethene	11.082	164	2191	0.673	ug/l	92
65) Chlorobenzene	11.876	112	7364	0.799	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.935	131	2317	0.745	ug/l #	63
67) Ethyl Benzene	11.941	91	11067	0.687	ug/l #	78
68) m/p-Xylenes	12.047	106	7816	1.308	ug/l	98
69) o-Xylene	12.376	106	3088	0.542	ug/l	82
70) Styrene	12.382	104	4914	0.531	ug/l	97
71) Bromoform	12.553	173	1657	0.727	ug/l #	99
73) Isopropylbenzene	12.676	105	8330	0.598	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.918	83	3675	0.816	ug/l #	95
76) 1,2,3-Trichloropropane	12.976	75	3753m	0.851	ug/l	
77) Bromobenzene	12.953	156	2270	0.713	ug/l	90
78) n-propylbenzene	13.018	91	11724	0.688	ug/l	99
79) 2-Chlorotoluene	13.106	91	7555	0.726	ug/l	93
80) 1,3,5-Trimethylbenzene	13.147	105	7954	0.689	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	830m	0.534	ug/l	
82) 4-Chlorotoluene	13.206	91	7343	0.711	ug/l	94
83) tert-Butylbenzene	13.412	119	8153m	0.831	ug/l	
84) 1,2,4-Trimethylbenzene	13.465	105	6896	0.601	ug/l	81
85) sec-Butylbenzene	13.594	105	8453	0.600	ug/l	99
86) p-Isopropyltoluene	13.706	119	6332	0.548	ug/l	96
87) 1,3-Dichlorobenzene	13.712	146	4345	0.701	ug/l	97
88) 1,4-Dichlorobenzene	13.788	146	5361m	0.825	ug/l	
89) n-Butylbenzene	14.041	91	7336	0.654	ug/l	97
90) Hexachloroethane	14.300	117	1345	0.637	ug/l	66
91) 1,2-Dichlorobenzene	14.088	146	4148	0.711	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.700	75	471	0.431	ug/l	83
93) 1,2,4-Trichlorobenzene	15.370	180	2319	0.669	ug/l	96
94) Hexachlorobutadiene	15.476	225	705	0.566	ug/l	63
95) Naphthalene	15.623	128	6406	0.533	ug/l	98
96) 1,2,3-Trichlorobenzene	15.817	180	2443	0.724	ug/l	82

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LOD-MDL-WATER-01-QT4-2025

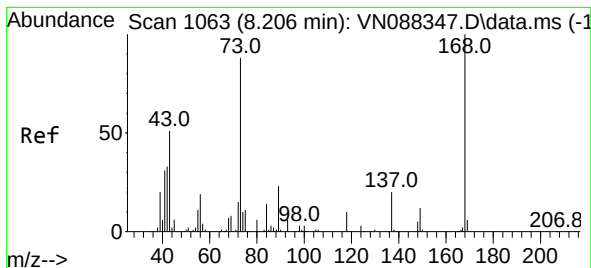
Manual Integrations
APPROVED

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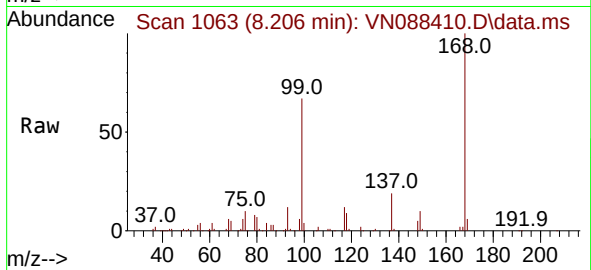
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
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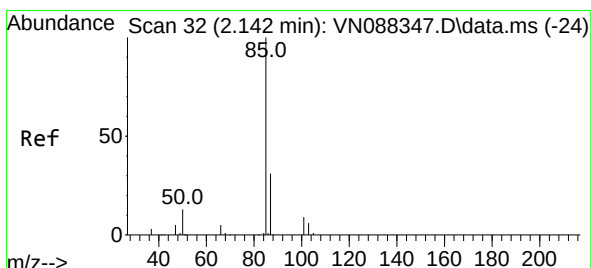
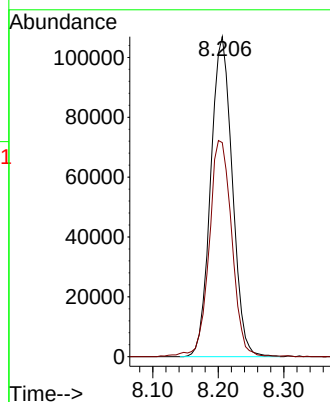
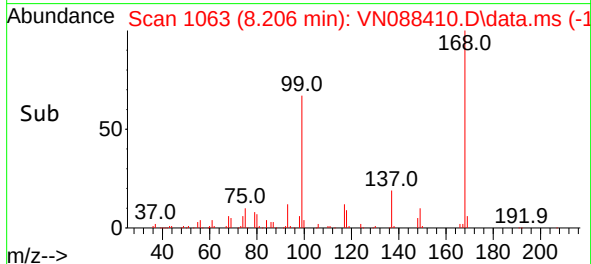
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion:168 Resp: 244510
Ion Ratio Lower Upper
168 100
99 66.7 57.1 85.7

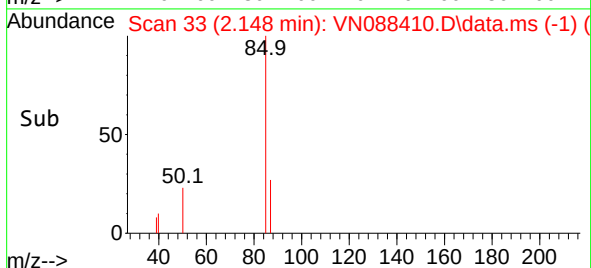
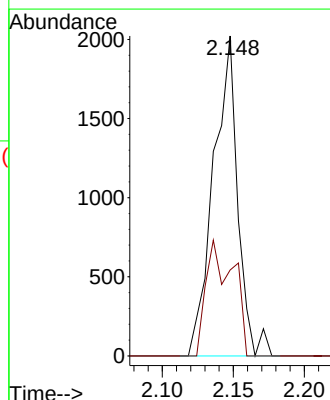
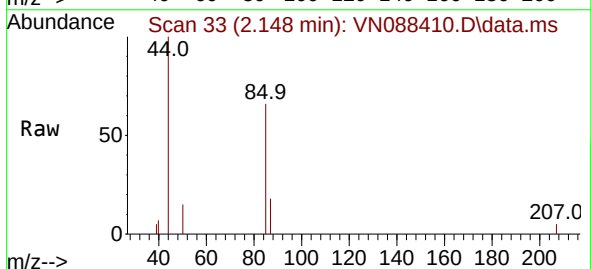
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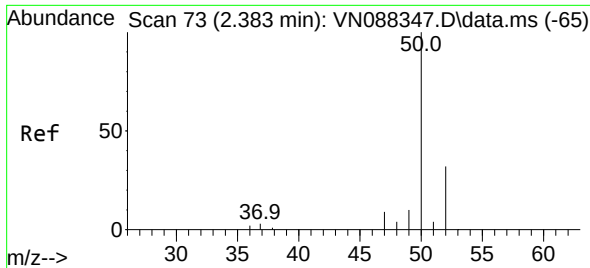
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#2
Dichlorodifluoromethane
Concen: 0.656 ug/l
RT: 2.148 min Scan# 33
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

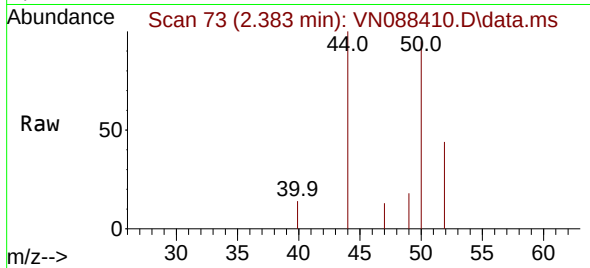
Tgt Ion: 85 Resp: 2409
Ion Ratio Lower Upper
85 100
87 26.9 15.6 46.7





#3
Chloromethane
Concen: 0.749 ug/l
RT: 2.383 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

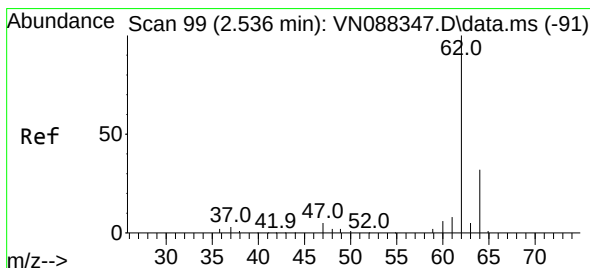
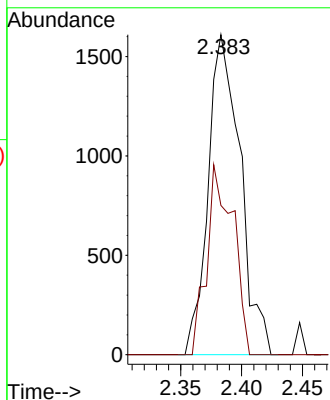
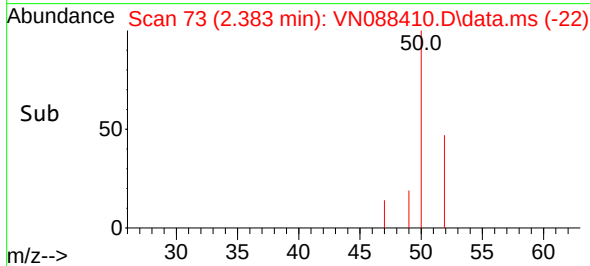
Instrument :
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ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 50 Resp: 2954
Ion Ratio Lower Upper
50 100
52 46.6 25.2 37.8

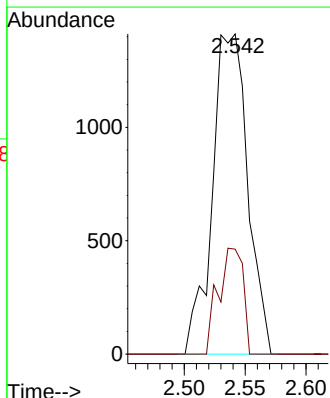
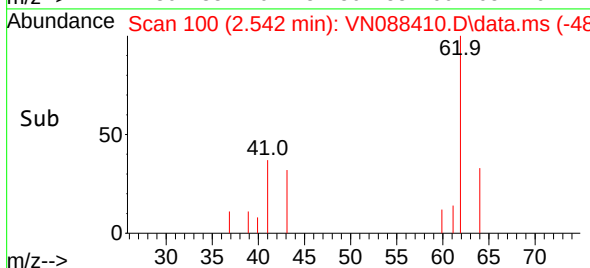
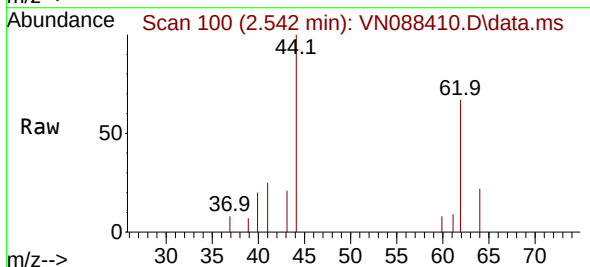
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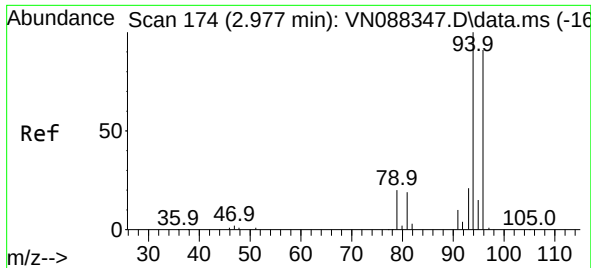
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#4
Vinyl Chloride
Concen: 0.714 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

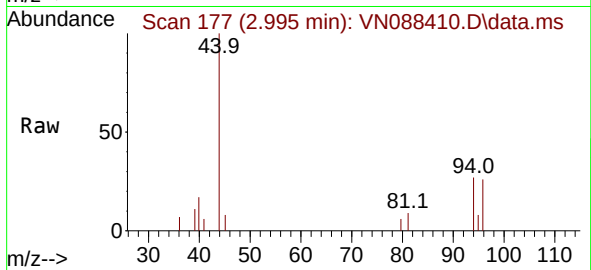
Tgt Ion: 62 Resp: 2864
Ion Ratio Lower Upper
62 100
64 32.8 25.4 38.2





#5
Bromomethane
Concen: 0.710 ug/l m
RT: 2.995 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

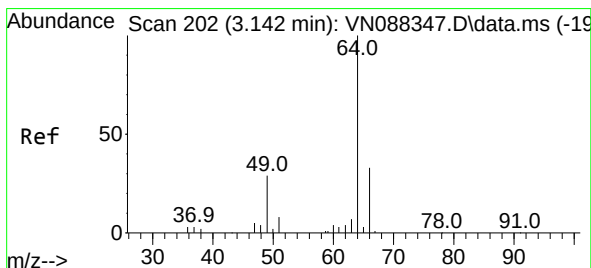
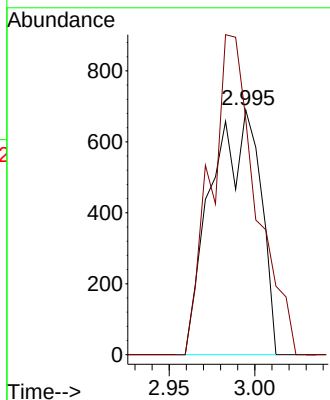
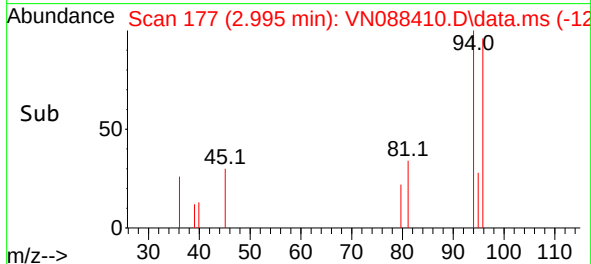
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Tgt Ion: 94 Resp: 1372
Ion Ratio Lower Upper
94 100
96 96.4 73.2 109.8

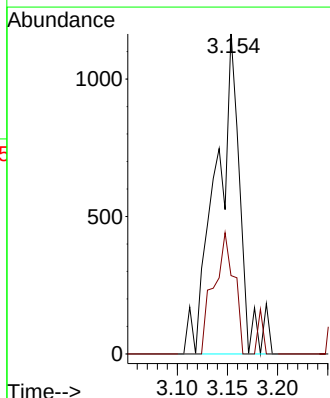
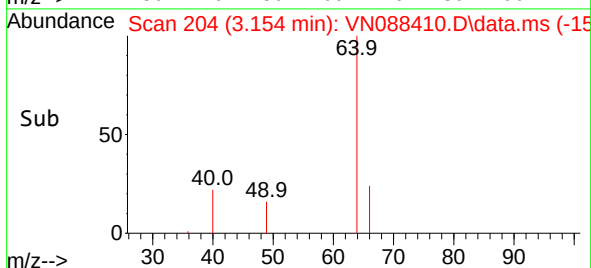
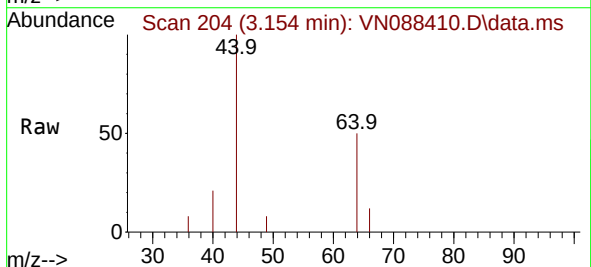
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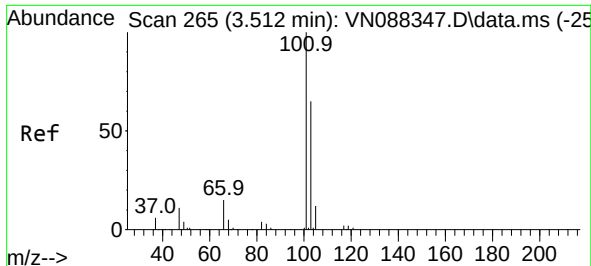
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#6
Chloroethane
Concen: 0.796 ug/l
RT: 3.154 min Scan# 204
Delta R.T. 0.012 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

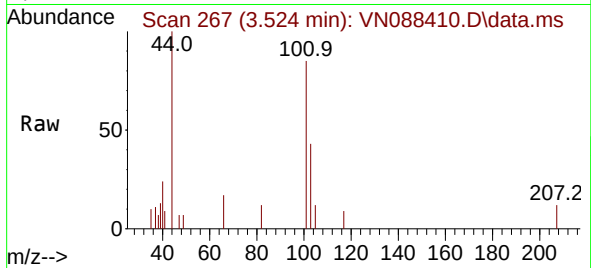
Tgt Ion: 64 Resp: 1977
Ion Ratio Lower Upper
64 100
66 24.5 26.4 39.6#





#7
 Trichlorofluoromethane
 Concen: 0.804 ug/l
 RT: 3.524 min Scan# 267
 Delta R.T. 0.012 min
 Lab File: VN088410.D
 Acq: 02 Dec 2025 15:42

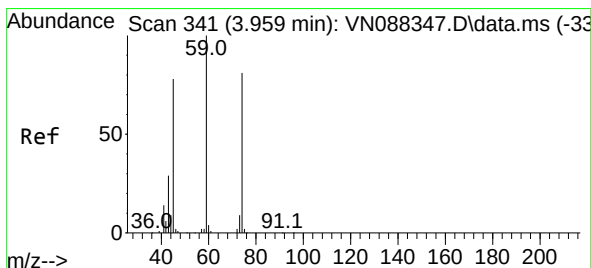
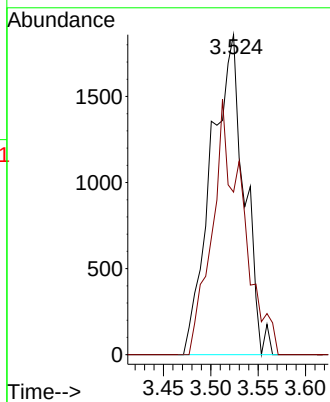
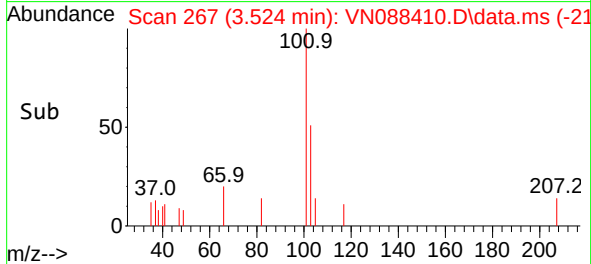
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025



Tgt Ion:101 Resp: 4534
 Ion Ratio Lower Upper
 101 100
 103 50.8 52.3 78.5

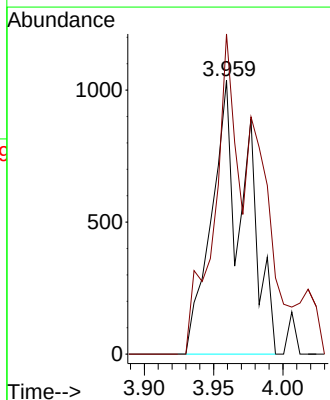
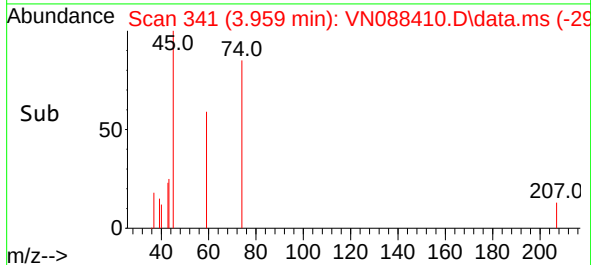
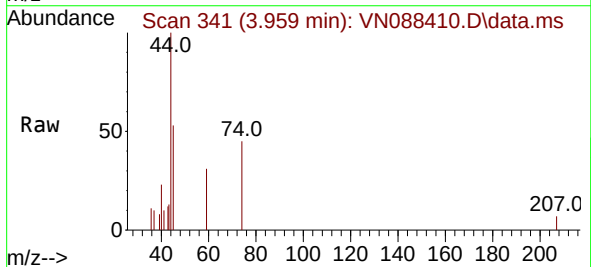
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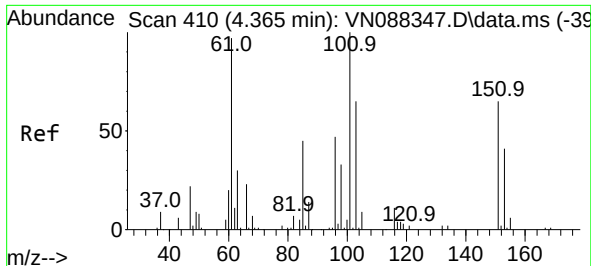
Reviewed By :John Carlone 12/03/2025
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#8
 Diethyl Ether
 Concen: 0.847 ug/l m
 RT: 3.959 min Scan# 341
 Delta R.T. 0.000 min
 Lab File: VN088410.D
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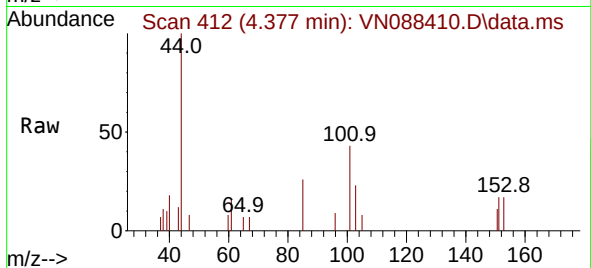
Tgt Ion: 74 Resp: 1792
 Ion Ratio Lower Upper
 74 100
 45 81.5 54.2 162.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.839 ug/l
RT: 4.377 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

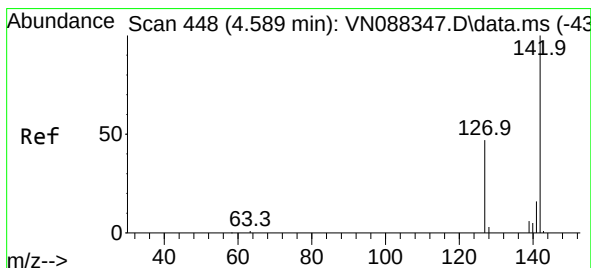
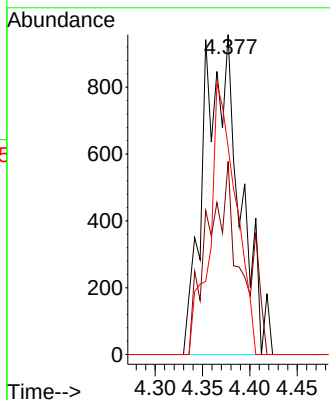
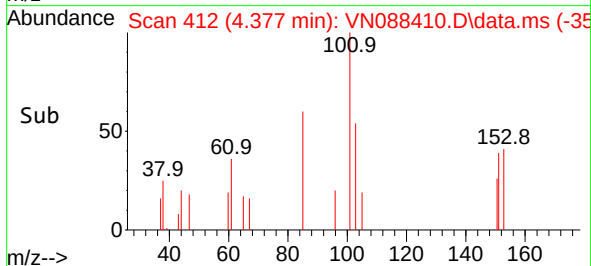
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion:101 Resp: 2519
Ion Ratio Lower Upper
101 100
85 56.8 39.2 58.8
151 62.6 53.6 80.4

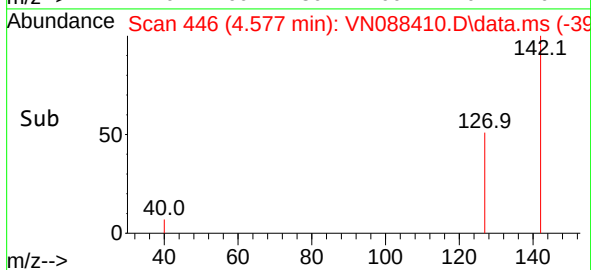
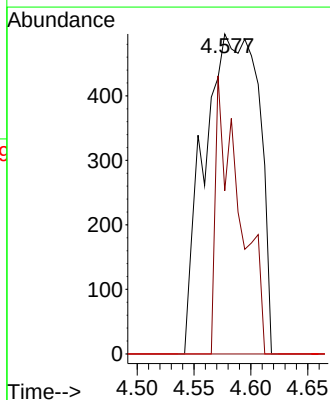
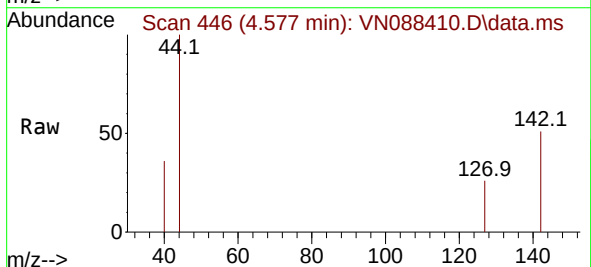
Manual Integrations
APPROVED

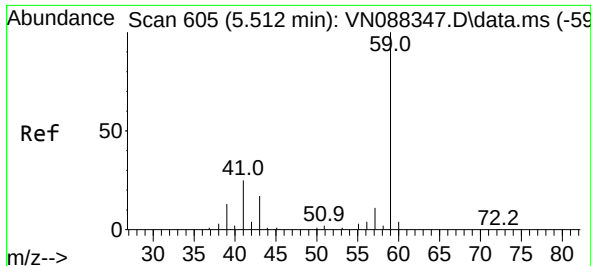
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#10
Methyl Iodide
Concen: 0.557 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.012 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

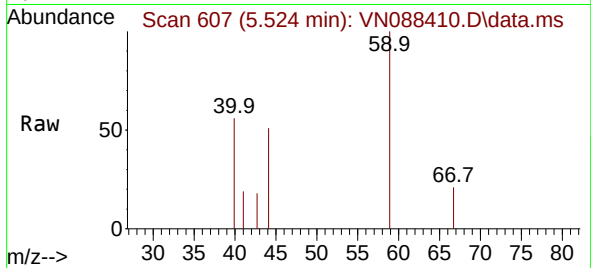
Tgt Ion:142 Resp: 1657
Ion Ratio Lower Upper
142 100
127 51.0 37.9 56.9
141 0.0 12.4 18.6#





#11
Tert butyl alcohol
Concen: 3.374 ug/l m
RT: 5.524 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

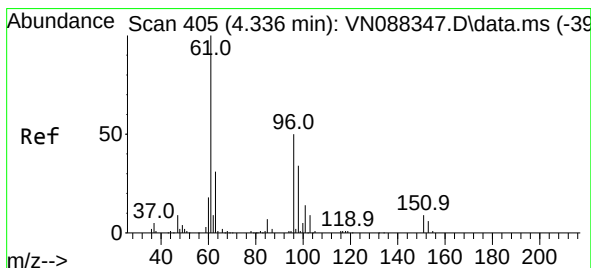
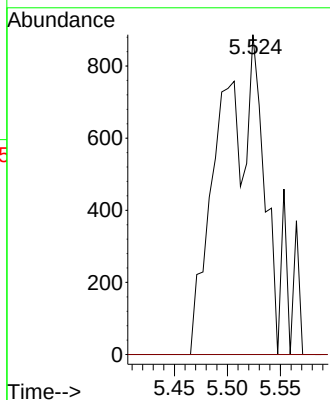
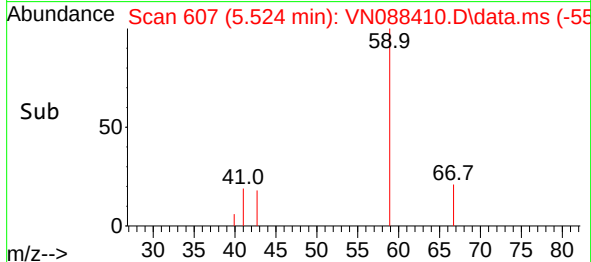
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



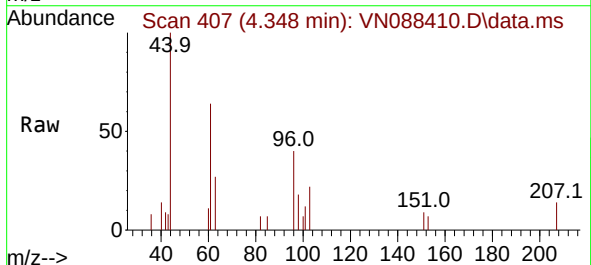
Tgt Ion: 59 Resp: 248
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7

Manual Integrations
APPROVED

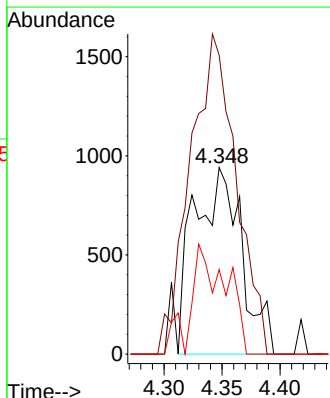
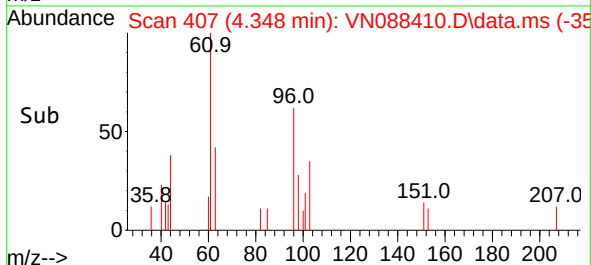
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

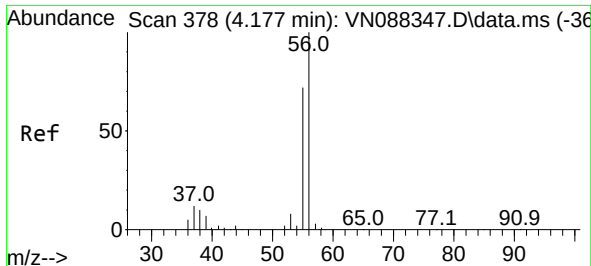


#12
1,1-Dichloroethene
Concen: 0.898 ug/l m
RT: 4.348 min Scan# 407
Delta R.T. 0.012 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42



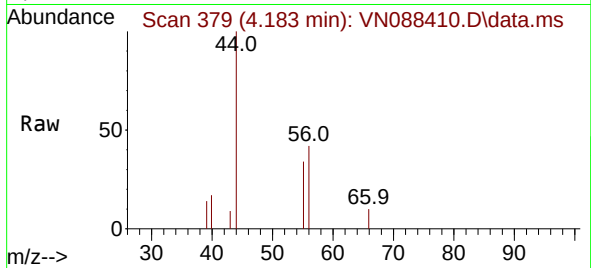
Tgt Ion: 96 Resp: 2679
Ion Ratio Lower Upper
96 100
61 160.3 159.1 238.7
98 45.3 53.7 80.5





#13
Acrolein
Concen: 4.068 ug/l m
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

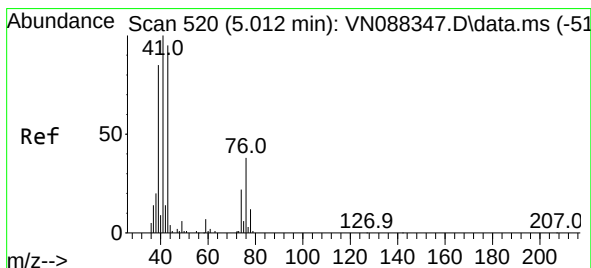
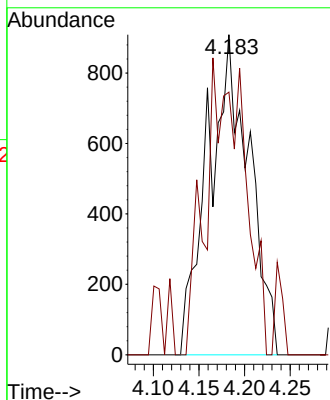
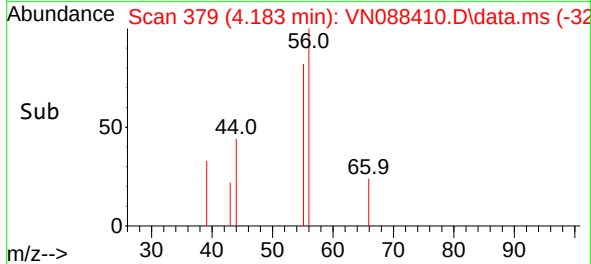
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 56 Resp: 2864
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5

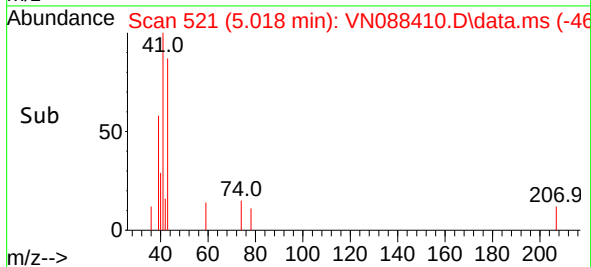
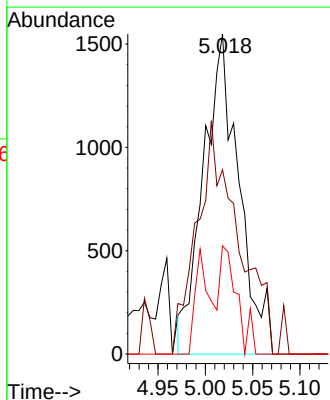
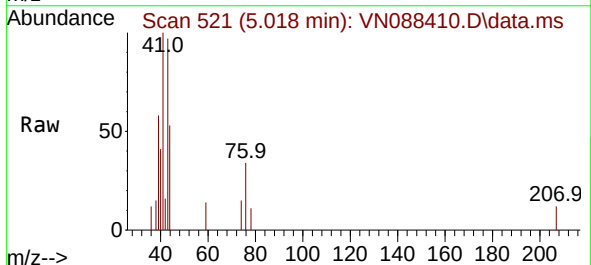
Manual Integrations
APPROVED

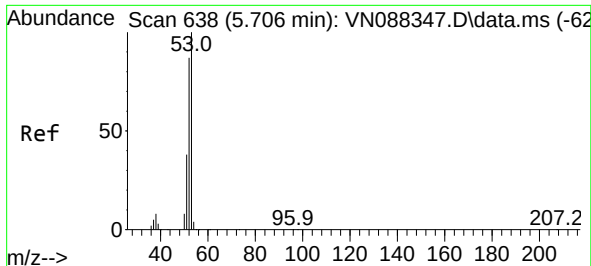
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#14
Allyl chloride
Concen: 0.730 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

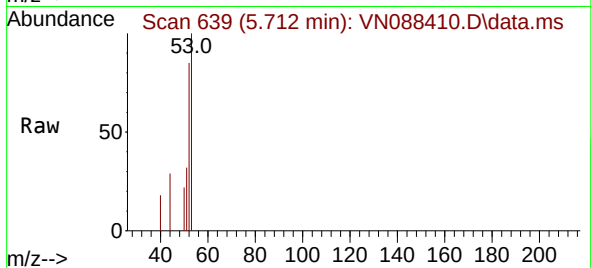
Tgt Ion: 41 Resp: 4038
Ion Ratio Lower Upper
41 100
39 84.1 64.7 97.1
76 15.9 29.1 43.7





#15
Acrylonitrile
Concen: 4.083 ug/l
RT: 5.712 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

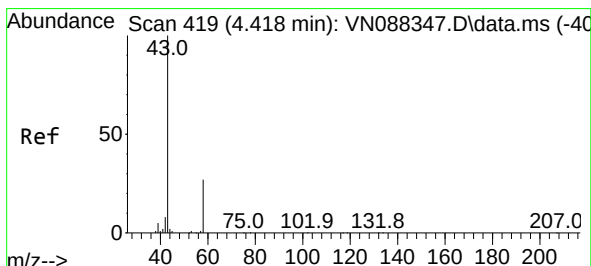
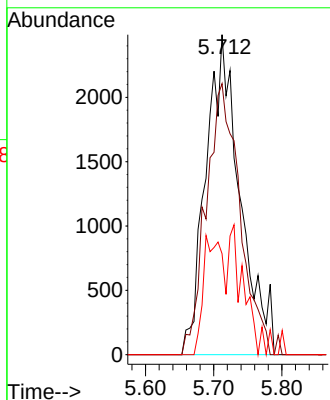
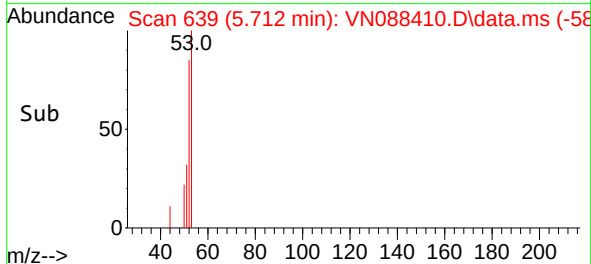
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 53 Resp: 866
Ion Ratio Lower Upper
53 100
52 83.2 67.8 101.6
51 16.8 29.8 44.8

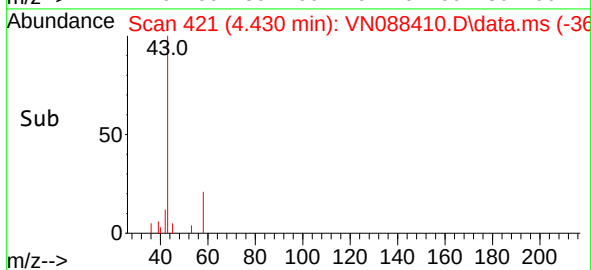
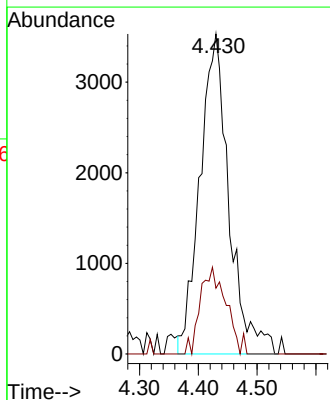
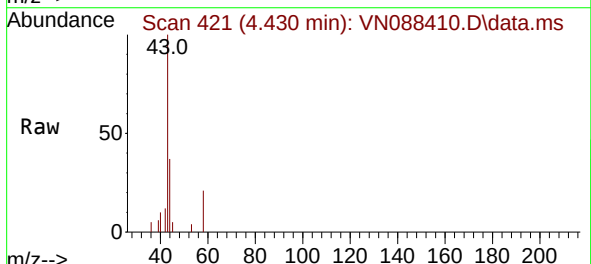
Manual Integrations
APPROVED

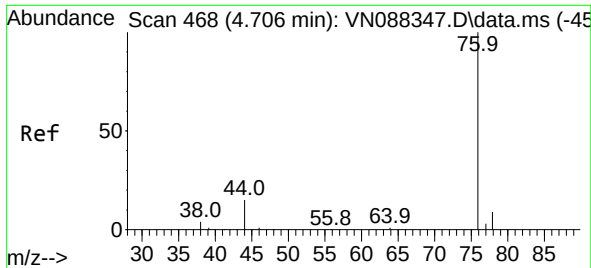
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#16
Acetone
Concen: 7.262 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

Tgt Ion: 43 Resp: 12098
Ion Ratio Lower Upper
43 100
58 20.6 21.7 32.5





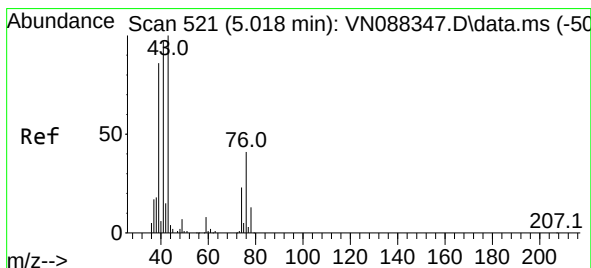
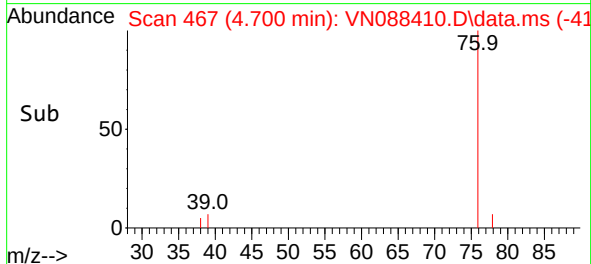
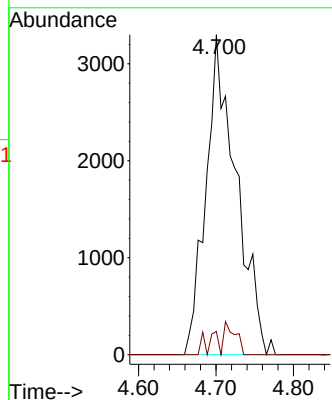
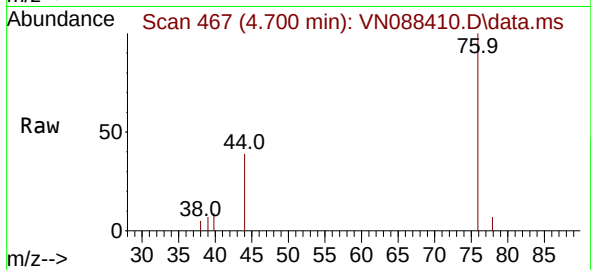
#17
Carbon Disulfide
Concen: 0.917 ug/l
RT: 4.700 min Scan# 409
Delta R.T. -0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

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

Tgt Ion: 76 Resp: 8938
Ion Ratio Lower Upper
76 100
78 7.3 7.0 10.4

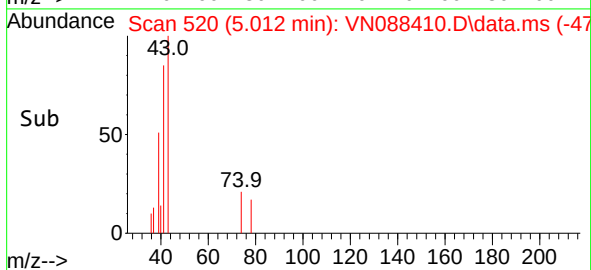
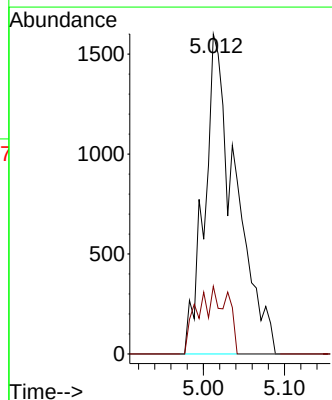
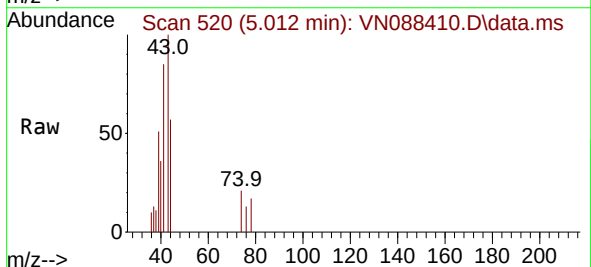
Manual Integrations
APPROVED

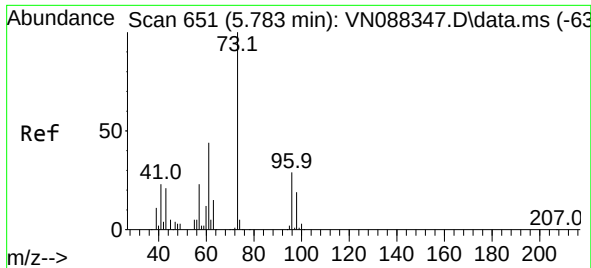
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#18
Methyl Acetate
Concen: 0.864 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

Tgt Ion: 43 Resp: 4283
Ion Ratio Lower Upper
43 100
74 9.0 17.9 26.9#





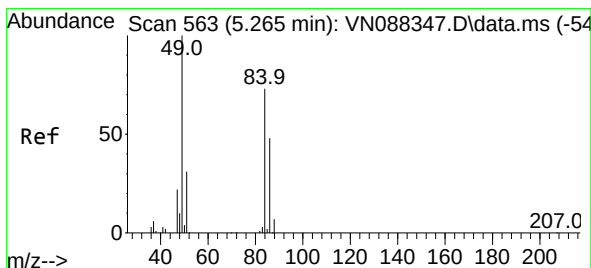
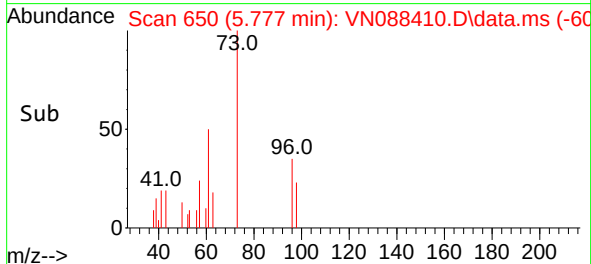
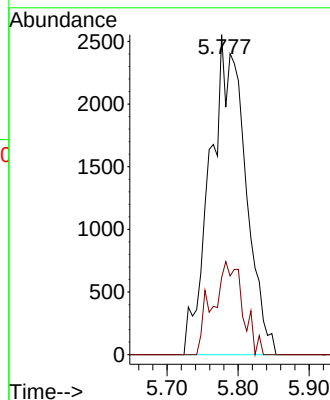
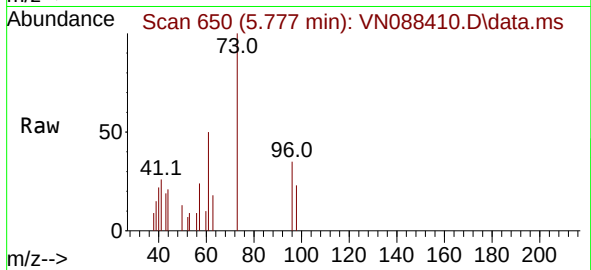
#19
Methyl tert-butyl Ether
Concen: 0.790 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

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

Tgt Ion: 73 Resp: 8829
Ion Ratio Lower Upper
73 100
57 24.1 18.6 28.0

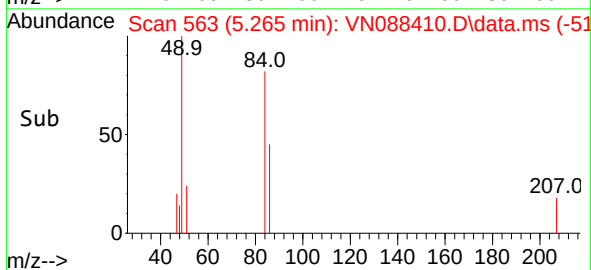
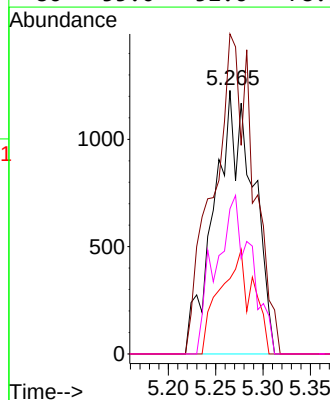
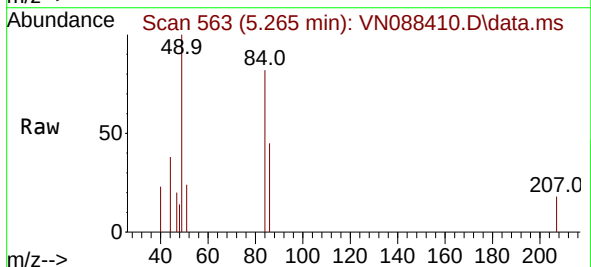
Manual Integrations
APPROVED

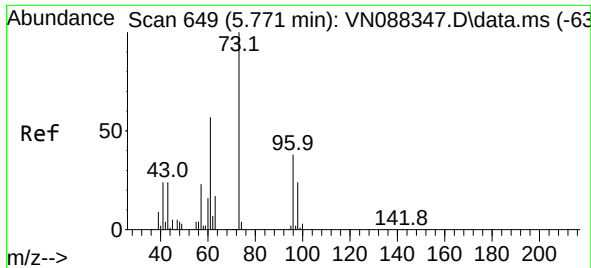
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#20
Methylene Chloride
Concen: 0.987 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

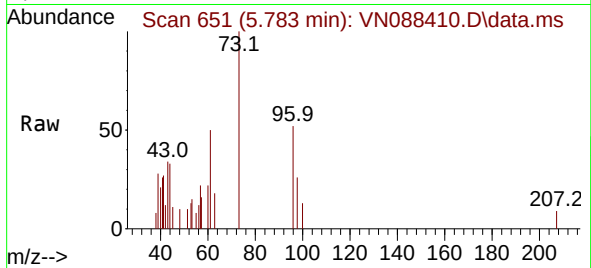
Tgt Ion: 84 Resp: 3517
Ion Ratio Lower Upper
84 100
49 121.4 110.2 165.2
51 28.6 34.1 51.1#
86 55.0 52.6 78.8





#21
trans-1,2-Dichloroethene
Concen: 0.768 ug/l
RT: 5.783 min Scan# 611
Delta R.T. 0.012 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

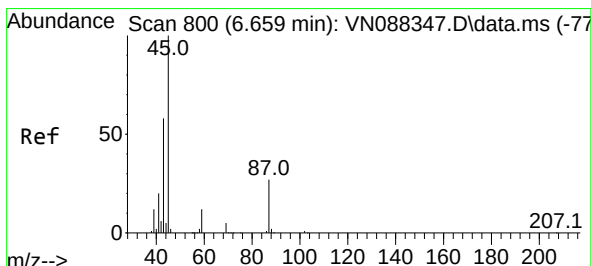
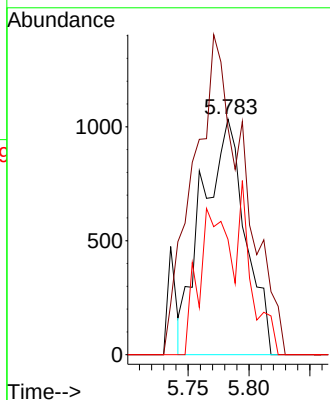
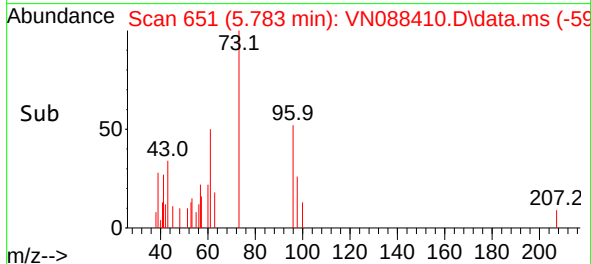
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



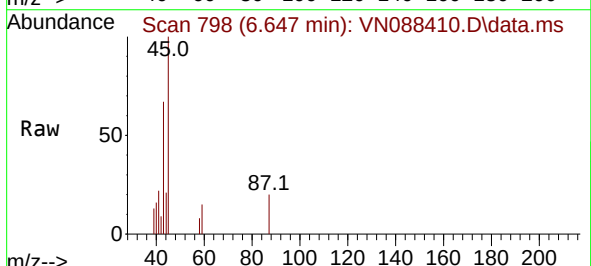
Tgt Ion: 96 Resp: 253
Ion Ratio Lower Upper
96 100
61 75.8 122.4 183.6
98 48.9 50.9 76.3

Manual Integrations
APPROVED

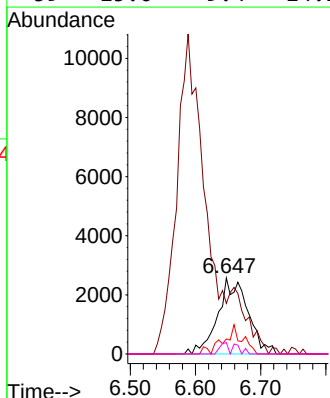
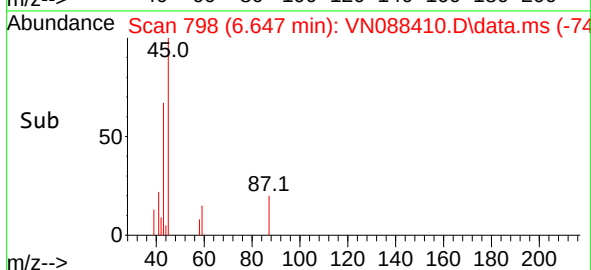
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

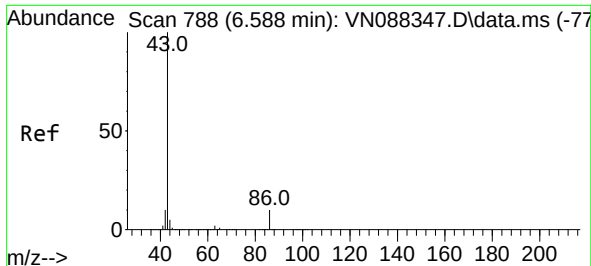


#22
Diisopropyl ether
Concen: 0.694 ug/l m
RT: 6.647 min Scan# 798
Delta R.T. -0.012 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42



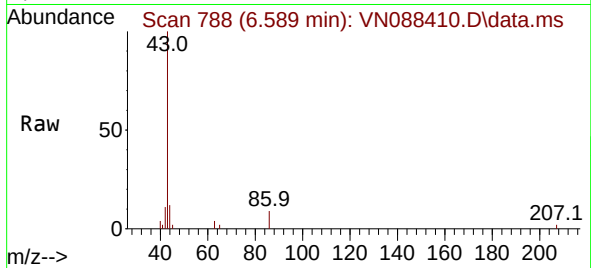
Tgt Ion: 45 Resp: 8192
Ion Ratio Lower Upper
45 100
43 66.6 47.4 71.2
87 19.8 21.9 32.9#
59 15.0 9.4 14.2#





#23
 Vinyl Acetate
 Concen: 3.811 ug/l m
 RT: 6.589 min Scan# 7
 Delta R.T. 0.000 min
 Lab File: VN088410.D
 Acq: 02 Dec 2025 15:42

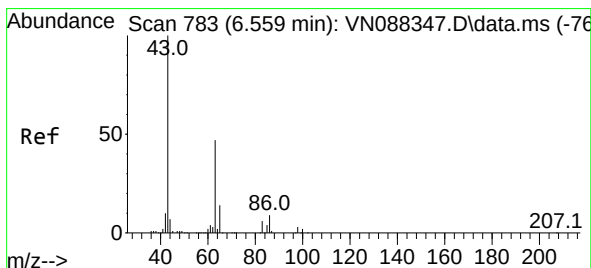
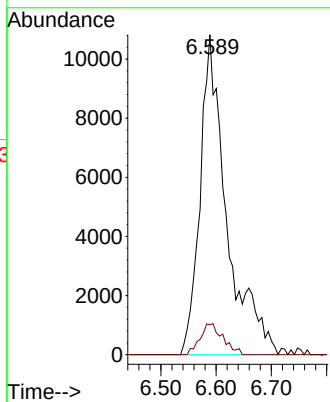
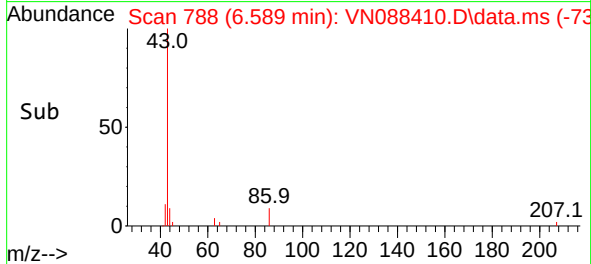
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025



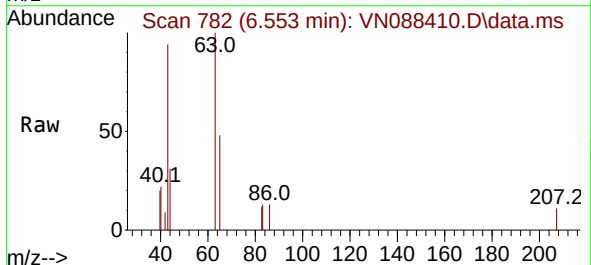
Tgt Ion: 43 Resp: 3624
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.8 11.8

Manual Integrations
 APPROVED

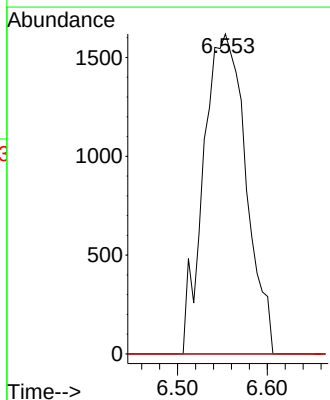
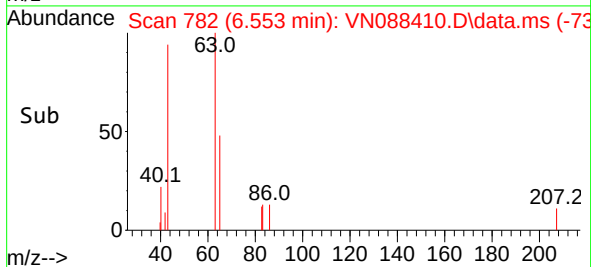
Reviewed By :John Carlone 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

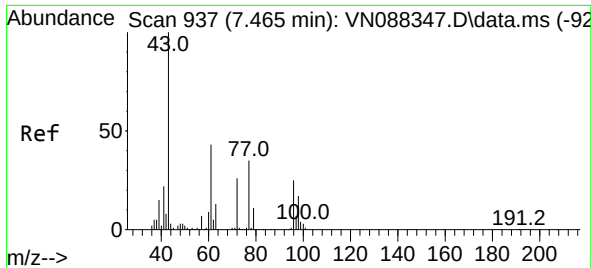


#24
 1,1-Dichloroethane
 Concen: 0.795 ug/l
 RT: 6.553 min Scan# 782
 Delta R.T. -0.006 min
 Lab File: VN088410.D
 Acq: 02 Dec 2025 15:42



Tgt Ion: 63 Resp: 5315
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.4 10.2#
 100 0.0 1.9 5.7#





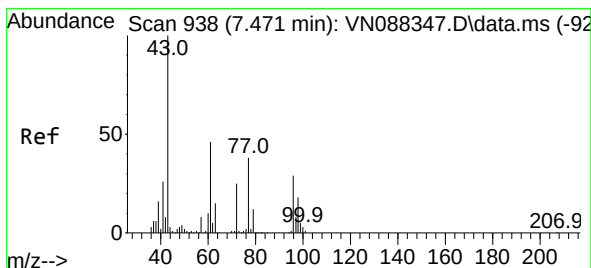
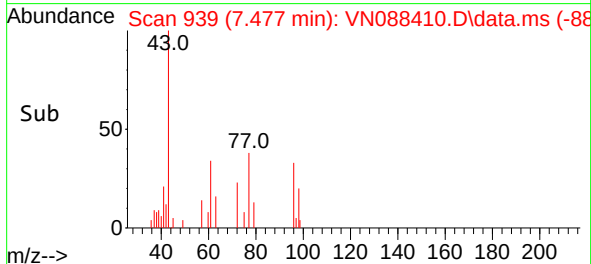
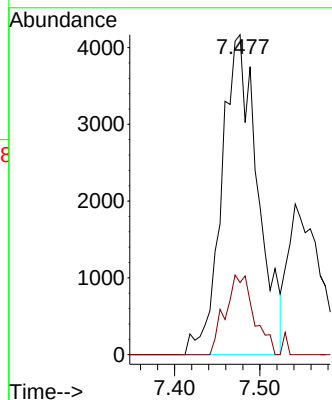
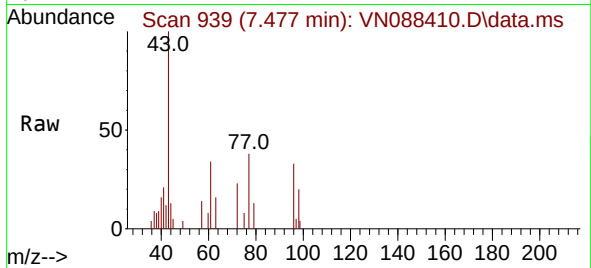
#25
2-Butanone
Concen: 4.571 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

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

Tgt Ion: 43 Resp: 1224
Ion Ratio Lower Upper
43 100
72 22.6 20.5 30.7

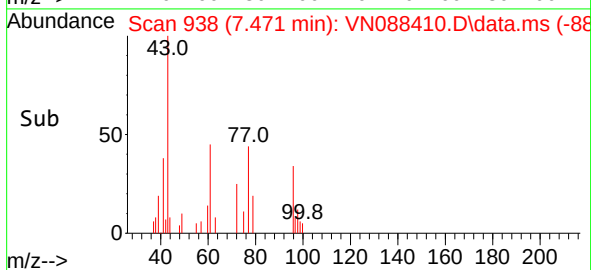
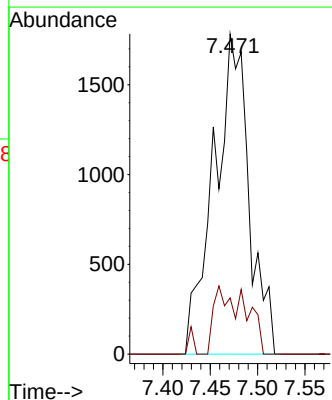
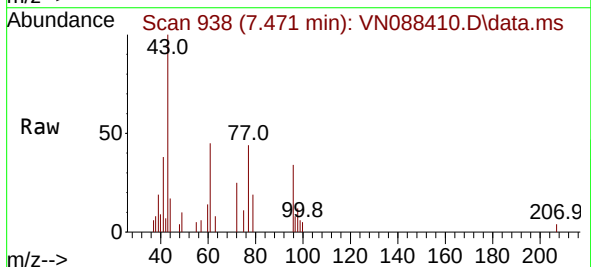
Manual Integrations
APPROVED

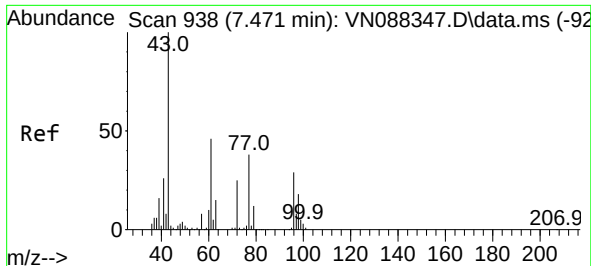
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#26
2,2-Dichloropropane
Concen: 0.798 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

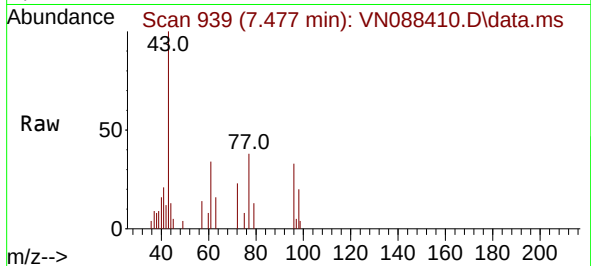
Tgt Ion: 77 Resp: 4606
Ion Ratio Lower Upper
77 100
97 10.9 10.3 30.9





#27
 cis-1,2-Dichloroethene
 Concen: 0.887 ug/l
 RT: 7.477 min Scan# 910
 Delta R.T. 0.006 min
 Lab File: VN088410.D
 Acq: 02 Dec 2025 15:42

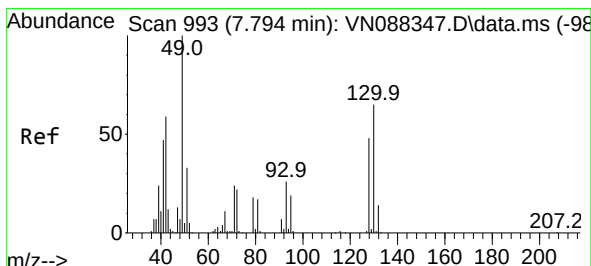
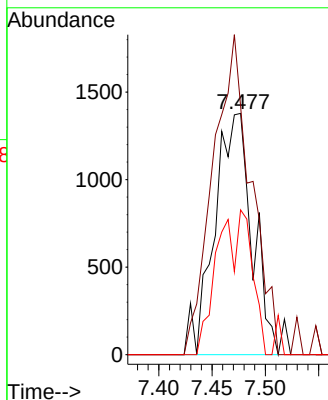
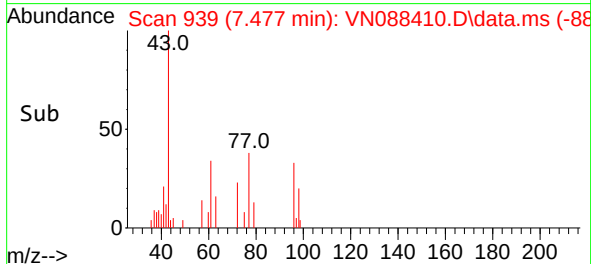
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 96 Resp: 3400
 Ion Ratio Lower Upper
 96 100
 61 132.8 0.0 323.6
 98 30.5 0.0 127.2

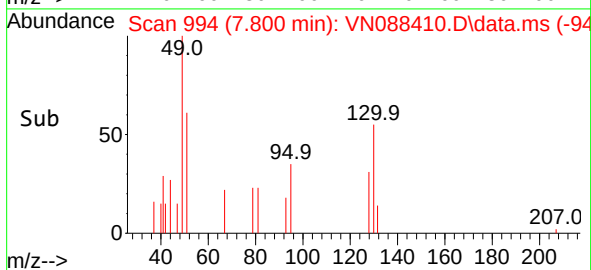
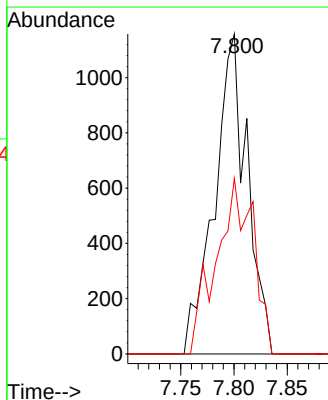
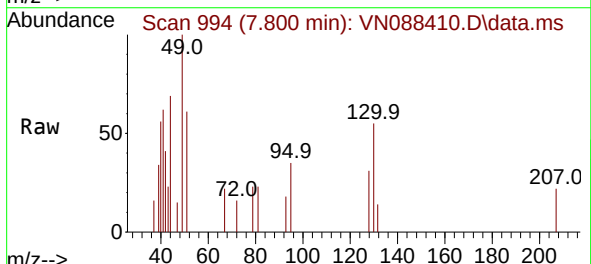
Manual Integrations
 APPROVED

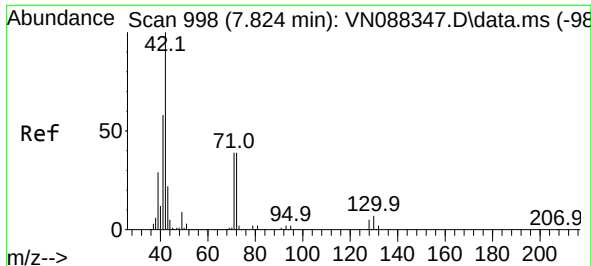
Reviewed By :John Carlone 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025



#28
 Bromochloromethane
 Concen: 0.742 ug/l
 RT: 7.800 min Scan# 994
 Delta R.T. 0.006 min
 Lab File: VN088410.D
 Acq: 02 Dec 2025 15:42

Tgt Ion: 49 Resp: 2470
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 62.3 51.1 76.7





#29

Tetrahydrofuran

Concen: 3.268 ug/l

RT: 7.830 min Scan# 998

Delta R.T. 0.006 min

Lab File: VN088410.D

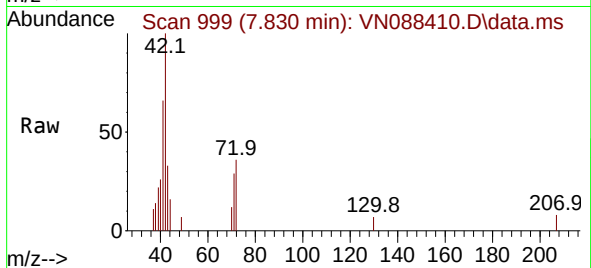
Acq: 02 Dec 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025



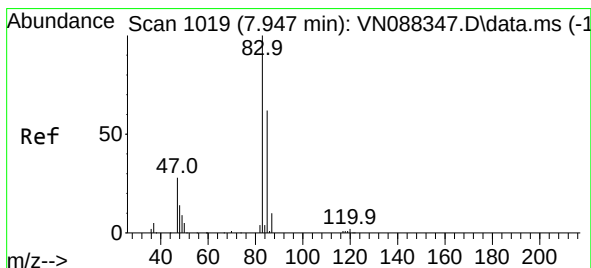
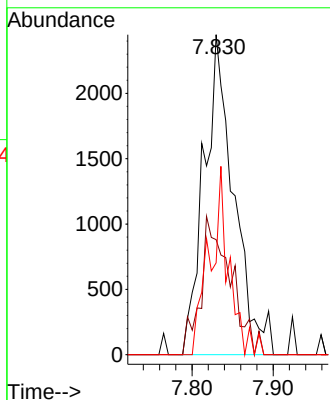
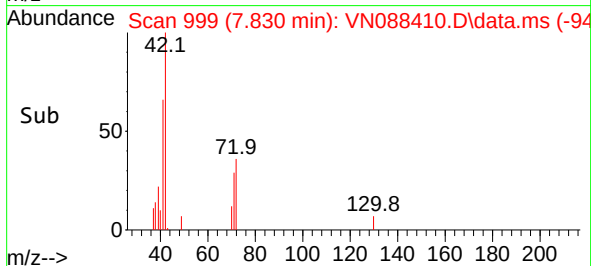
Tgt Ion:	42	Resp:	6278
Ion	Ratio	Lower	Upper
42	100		
72	42.8	32.2	48.4
71	38.3	31.1	46.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#30

Chloroform

Concen: 0.777 ug/l

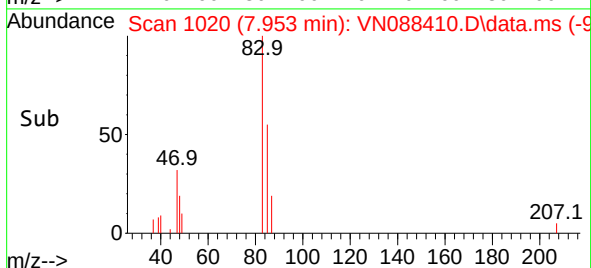
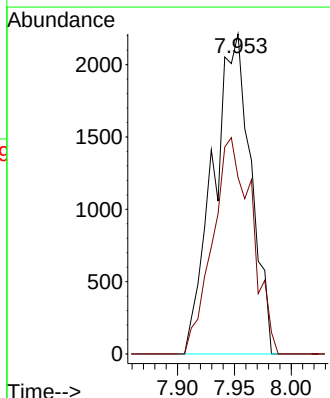
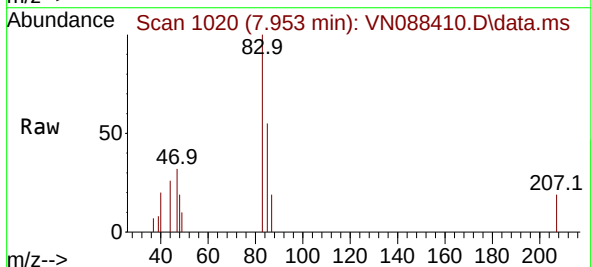
RT: 7.953 min Scan# 1020

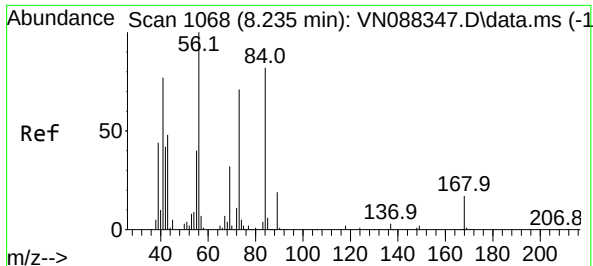
Delta R.T. 0.006 min

Lab File: VN088410.D

Acq: 02 Dec 2025 15:42

Tgt Ion:	83	Resp:	5101
Ion	Ratio	Lower	Upper
83	100		
85	55.2	49.8	74.8





#31

Cyclohexane

Concen: 1.993 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.029 min

Lab File: VN088410.D

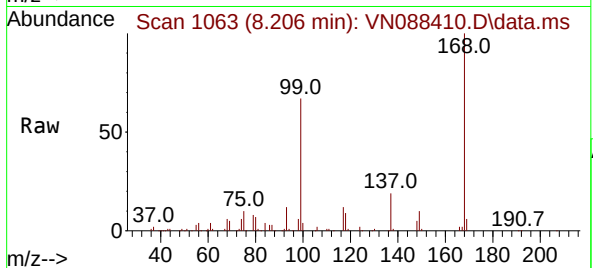
Acq: 02 Dec 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025



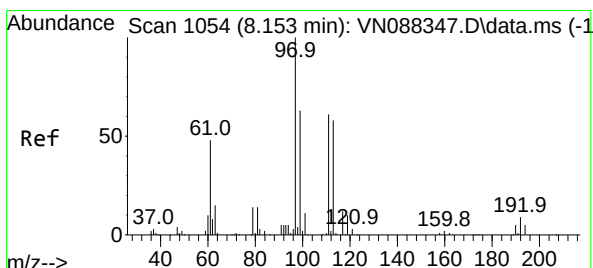
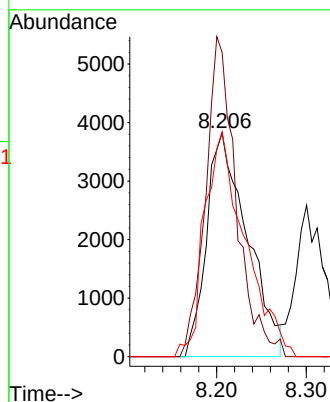
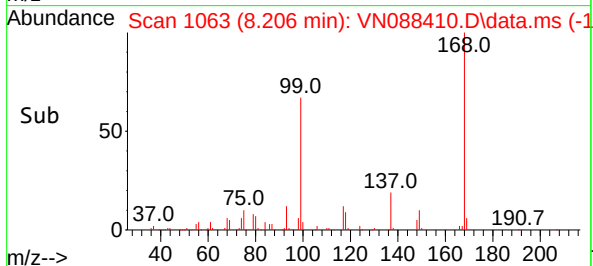
Tgt Ion:	56	Resp:	1207
Ion Ratio	100	Lower	Upper
56	100		
69	136.1	25.3	37.9
84	94.9	65.4	98.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#32

1,1,1-Trichloroethane

Concen: 0.879 ug/l

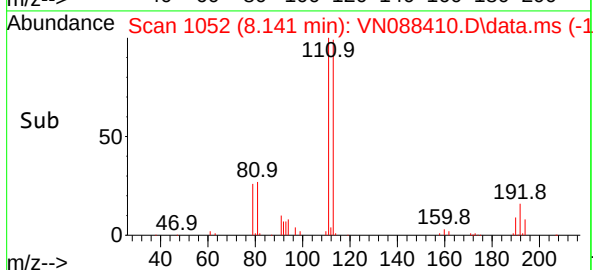
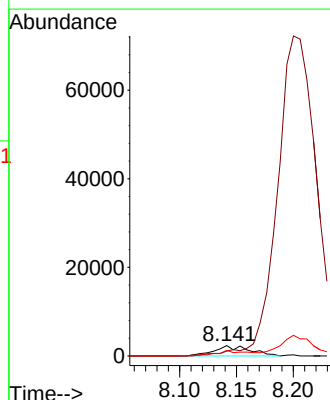
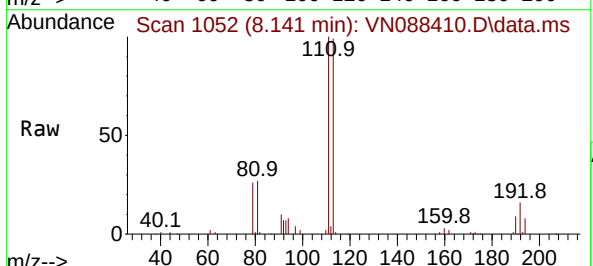
RT: 8.141 min Scan# 1052

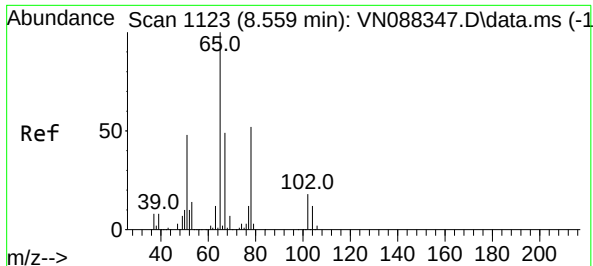
Delta R.T. -0.012 min

Lab File: VN088410.D

Acq: 02 Dec 2025 15:42

Tgt Ion:	97	Resp:	5074
Ion Ratio	100	Lower	Upper
97	100		
99	0.0	50.8	76.2
61	47.5	42.2	63.2





#33

1,2-Dichloroethane-d4

Concen: 49.622 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088410.D

Acq: 02 Dec 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 65 Resp: 228569

Ion Ratio Lower Upper

65 100

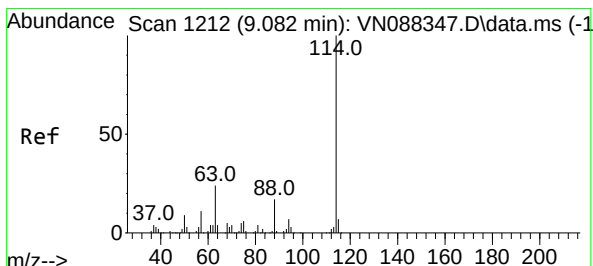
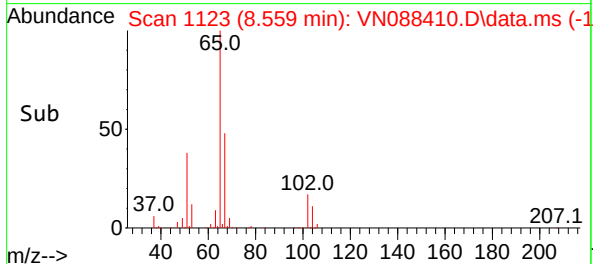
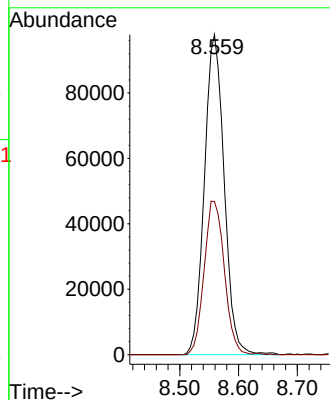
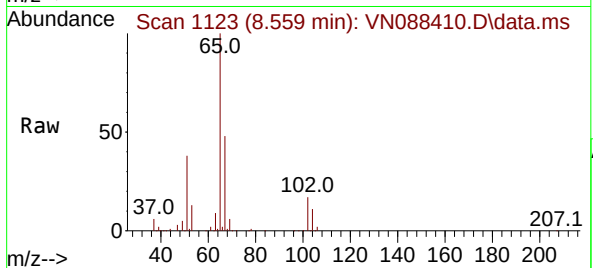
67 49.1 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088410.D

Acq: 02 Dec 2025 15:42

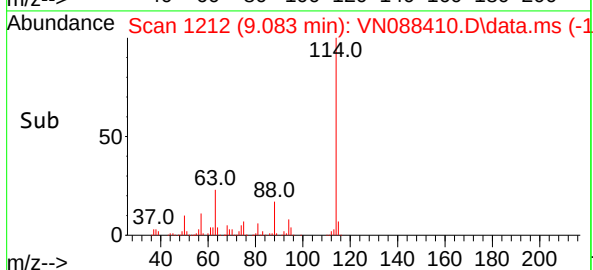
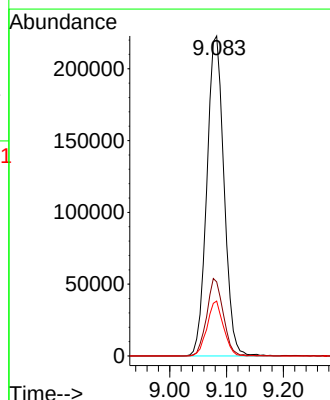
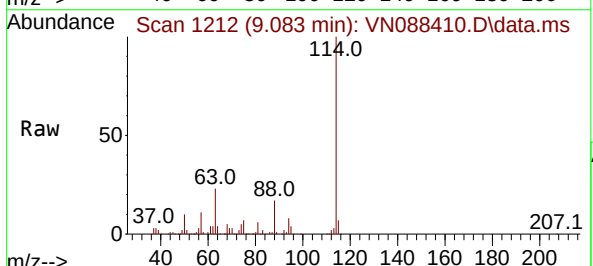
Tgt Ion:114 Resp: 466030

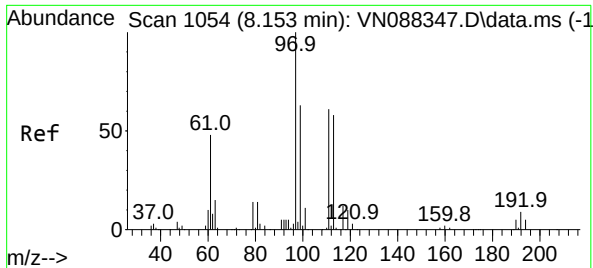
Ion Ratio Lower Upper

114 100

63 23.2 0.0 49.0

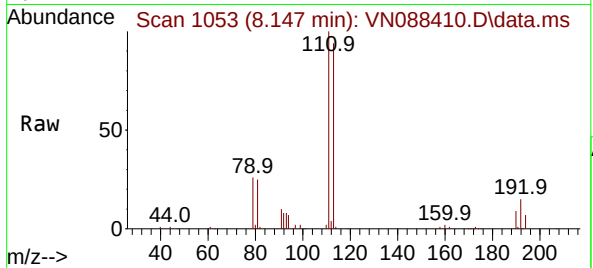
88 17.1 0.0 34.0





#35
Dibromofluoromethane
Concen: 45.592 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

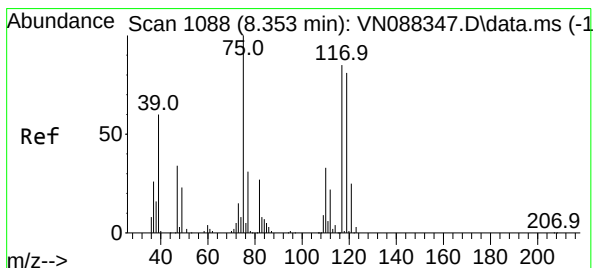
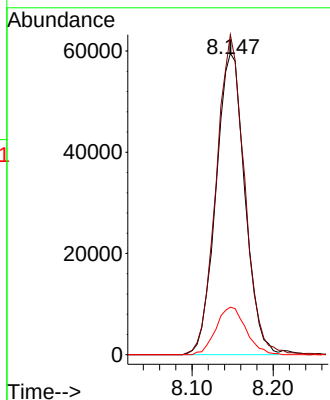
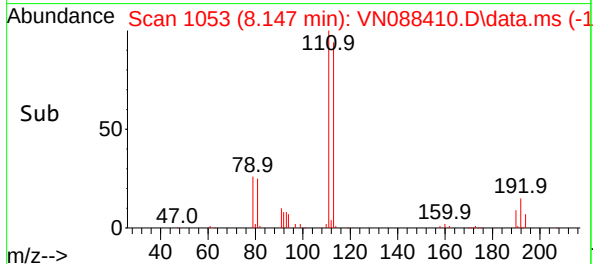
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 113 Resp: 14724
Ion Ratio Lower Upper
113 100
111 103.8 82.5 123.7
192 16.3 12.8 19.2

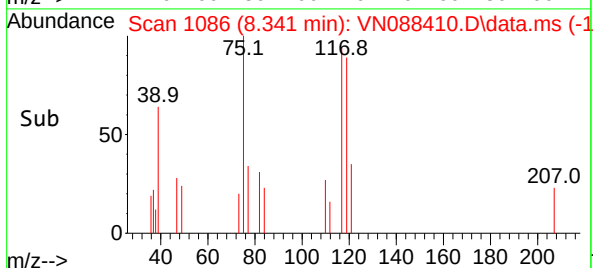
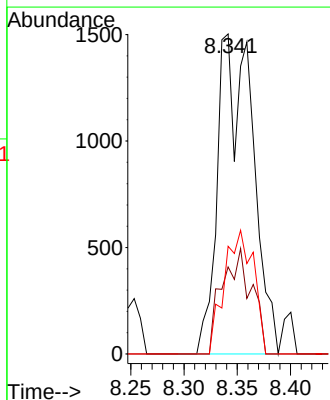
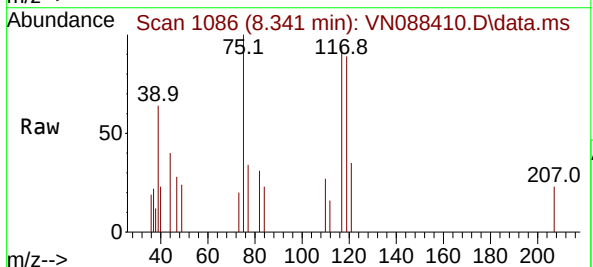
Manual Integrations
APPROVED

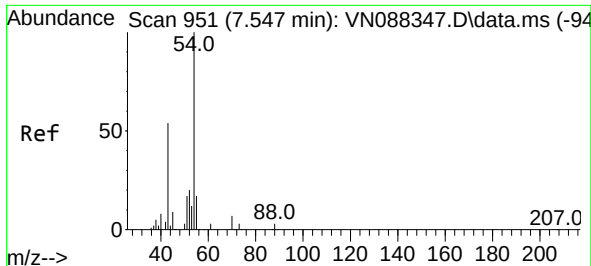
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#36
1,1-Dichloropropene
Concen: 0.691 ug/l m
RT: 8.341 min Scan# 1086
Delta R.T. -0.012 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

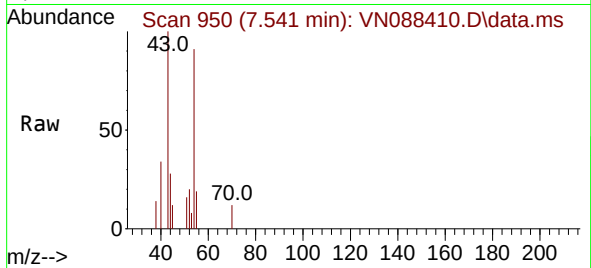
Tgt Ion: 75 Resp: 3442
Ion Ratio Lower Upper
75 100
110 27.6 15.8 47.4
77 32.2 24.2 36.2





#37
Ethyl Acetate
Concen: 0.825 ug/l
RT: 7.541 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

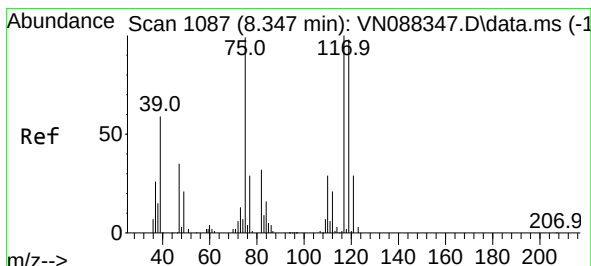
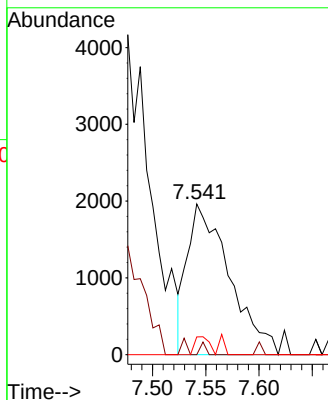
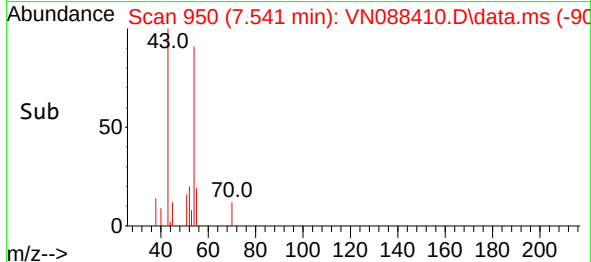
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 43 Resp: 5400
Ion Ratio Lower Upper
43 100
61 0.0 9.5 14.3
70 4.1 7.1 10.7

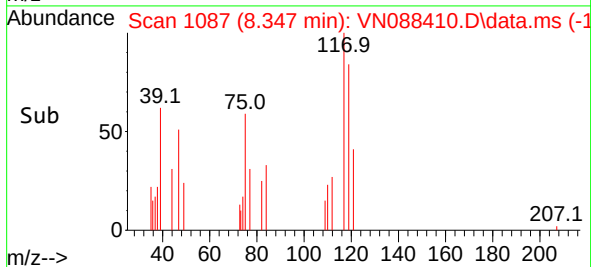
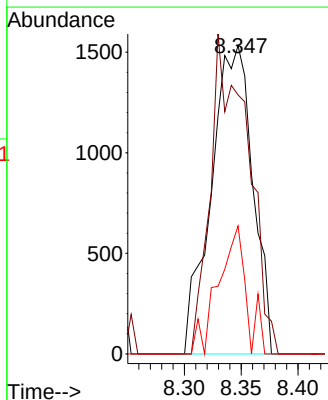
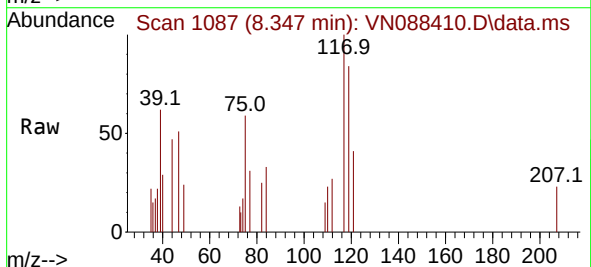
Manual Integrations
APPROVED

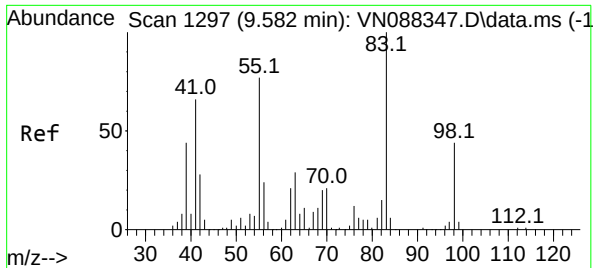
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#38
Carbon Tetrachloride
Concen: 0.788 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. 0.000 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

Tgt Ion:117 Resp: 3912
Ion Ratio Lower Upper
117 100
119 84.0 78.2 117.4
121 41.5 23.4 35.2





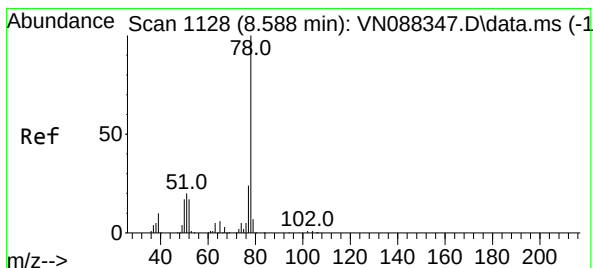
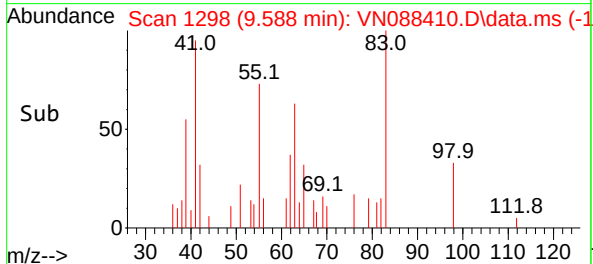
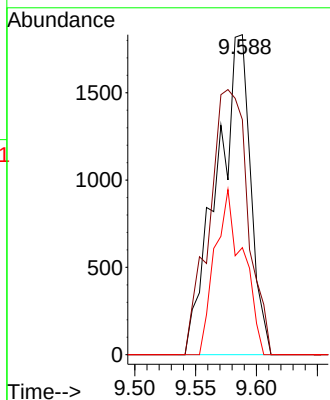
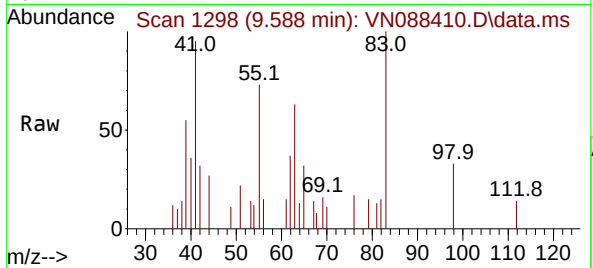
#39
Methylcyclohexane
Concen: 0.663 ug/l
RT: 9.588 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

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

Tgt Ion: 83 Resp: 3534
Ion Ratio Lower Upper
83 100
55 73.4 61.6 92.4
98 33.4 35.3 52.9

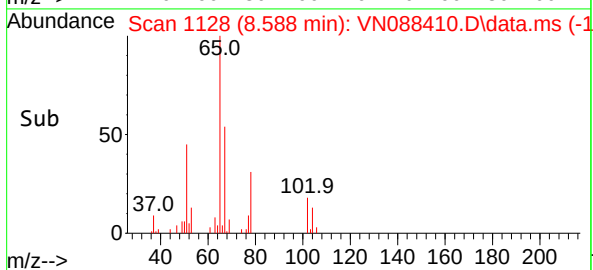
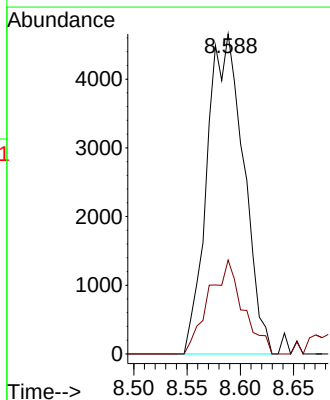
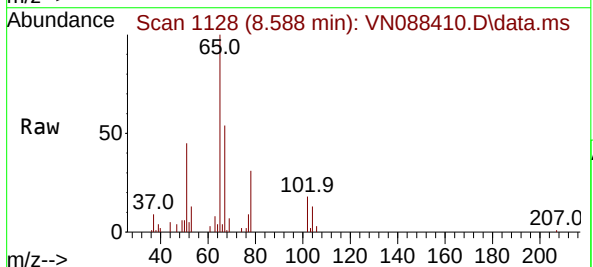
Manual Integrations
APPROVED

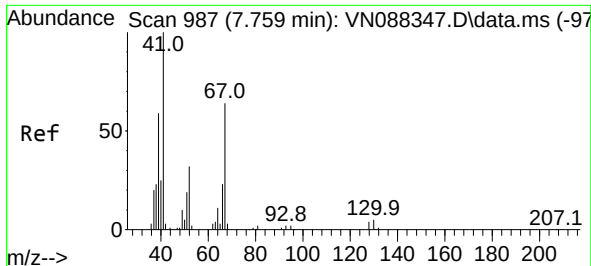
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#40
Benzene
Concen: 0.761 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

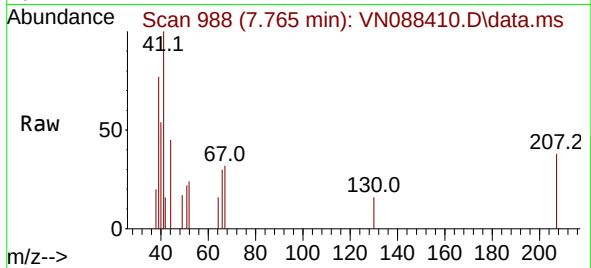
Tgt Ion: 78 Resp: 11127
Ion Ratio Lower Upper
78 100
77 29.3 19.0 28.4





#41
Methacrylonitrile
Concen: 0.768 ug/l
RT: 7.765 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

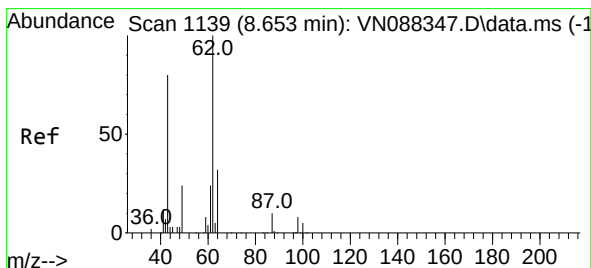
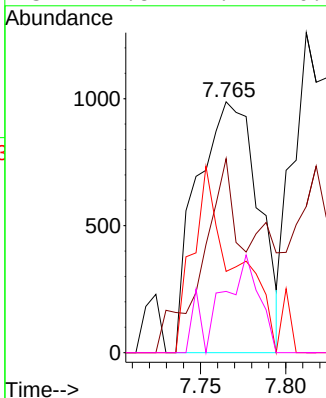
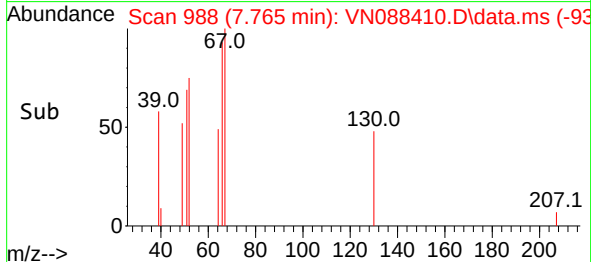
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 41 Resp: 249
Ion Ratio Lower Upper
41 100
39 47.0 46.3 69.5
67 0.0 54.7 82.1
52 24.8 27.2 40.8

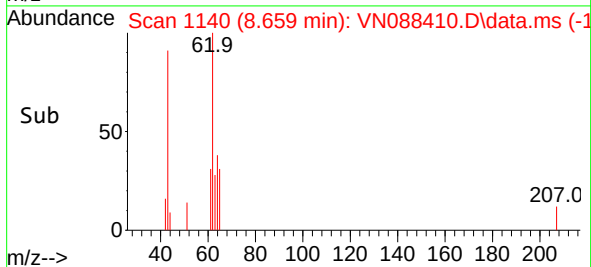
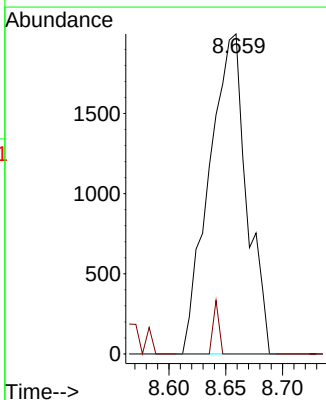
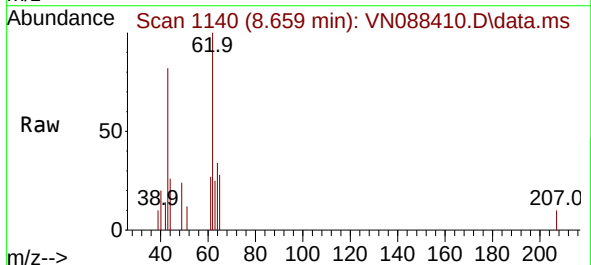
Manual Integrations
APPROVED

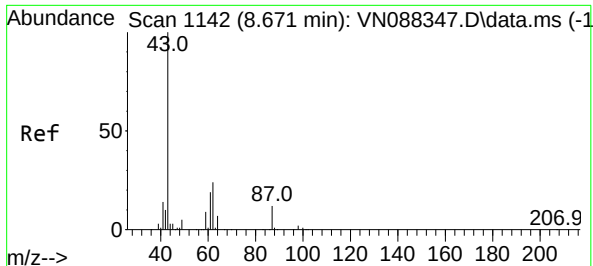
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#42
1,2-Dichloroethane
Concen: 0.821 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

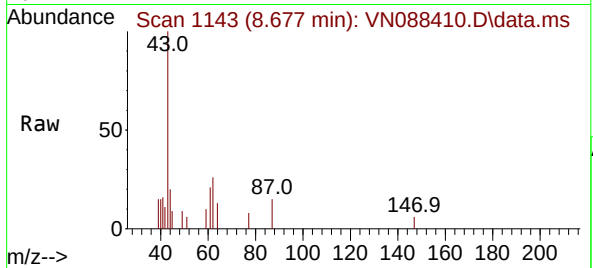
Tgt Ion: 62 Resp: 4583
Ion Ratio Lower Upper
62 100
98 2.6 0.0 16.2





#43
Isopropyl Acetate
Concen: 0.720 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

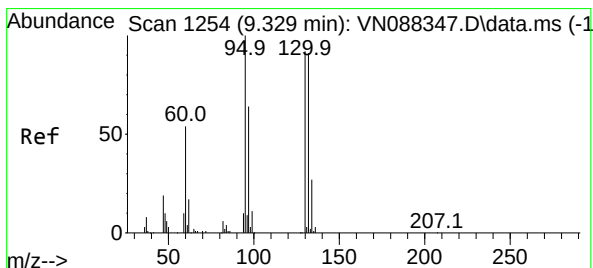
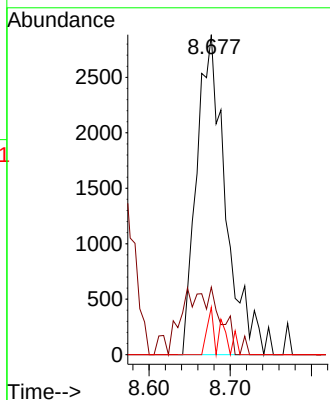
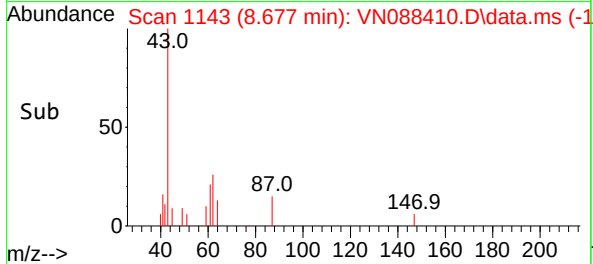
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 43 Resp: 7210
Ion Ratio Lower Upper
43 100
61 0.0 18.7 28.1
87 3.1 9.1 13.7

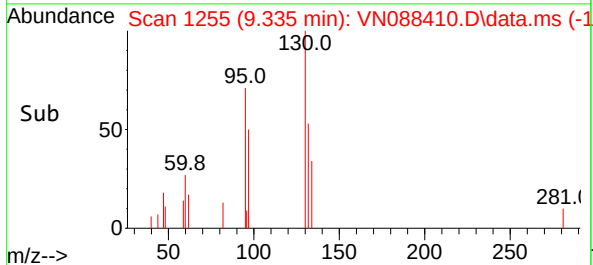
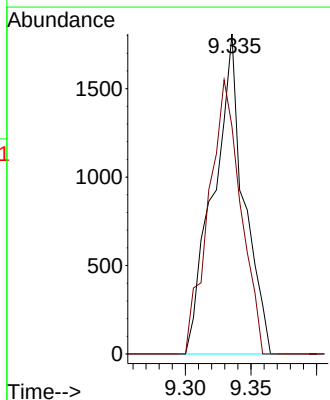
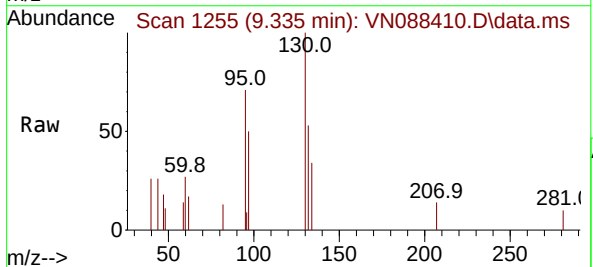
Manual Integrations
APPROVED

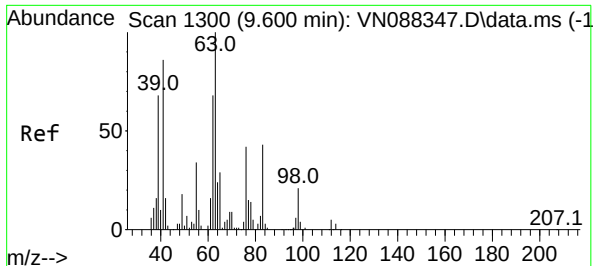
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#44
Trichloroethene
Concen: 0.846 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

Tgt Ion:130 Resp: 2925
Ion Ratio Lower Upper
130 100
95 71.1 0.0 217.0





#45

1,2-Dichloropropane

Concen: 0.867 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VN088410.D

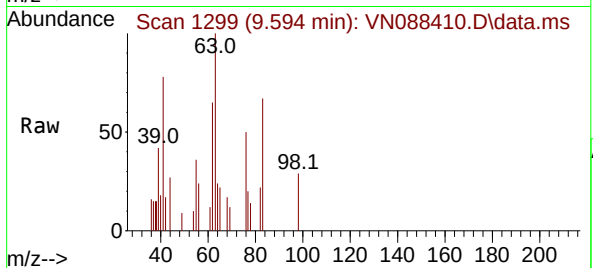
Acq: 02 Dec 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 63 Resp: 324

Ion Ratio Lower Upper

63 100

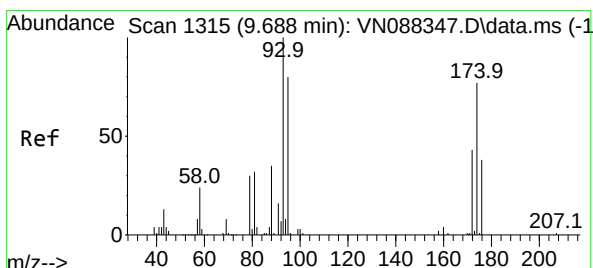
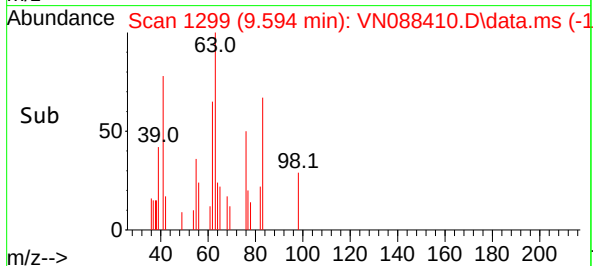
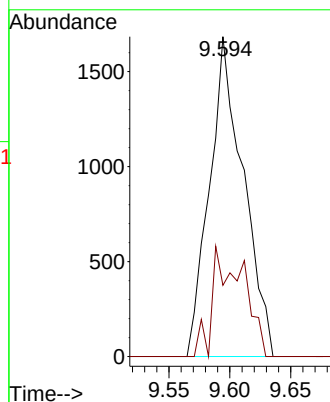
65 22.3 23.0 34.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#46

Dibromomethane

Concen: 0.775 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. -0.006 min

Lab File: VN088410.D

Acq: 02 Dec 2025 15:42

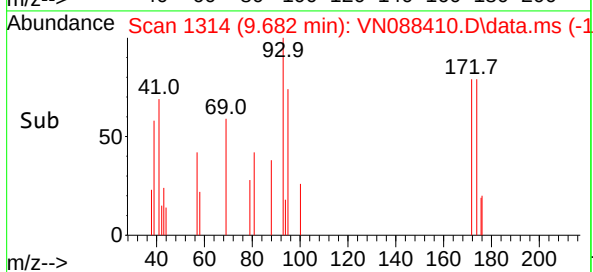
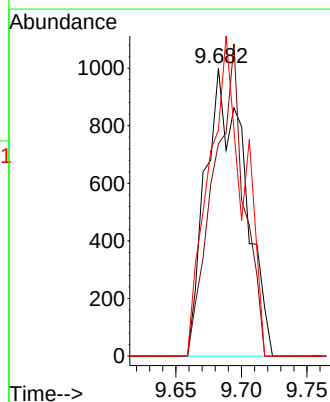
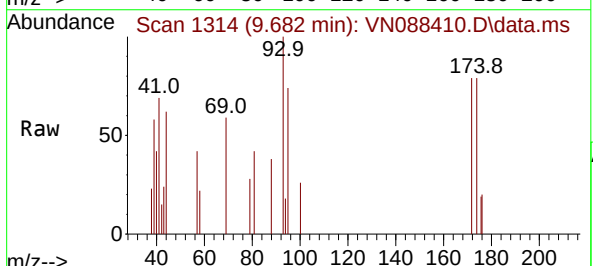
Tgt Ion: 93 Resp: 2073

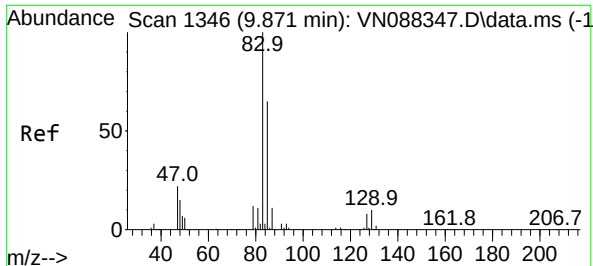
Ion Ratio Lower Upper

93 100

95 85.0 65.8 98.6

174 98.9 64.3 96.5





#47

Bromodichloromethane

Concen: 0.751 ug/l

RT: 9.865 min Scan# 1346

Delta R.T. -0.006 min

Lab File: VN088410.D

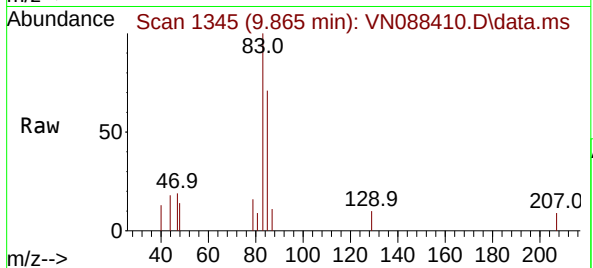
Acq: 02 Dec 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025



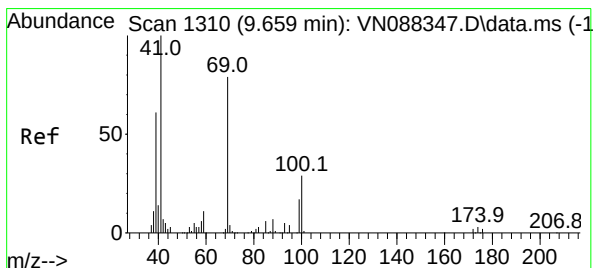
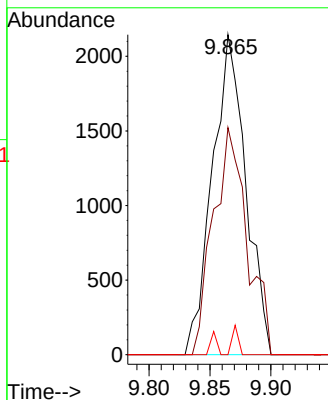
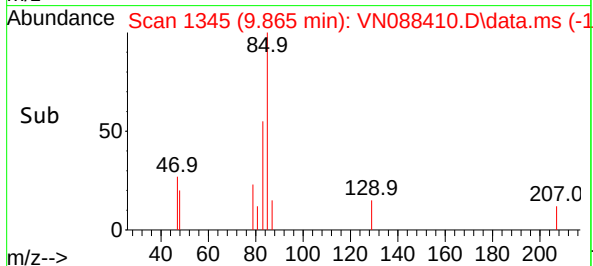
Tgt Ion:	83	Resp:	4099
Ion	Ratio	Lower	Upper
83	100		
85	71.0	51.9	77.9
127	0.0	6.3	9.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#48

Methyl methacrylate

Concen: 0.795 ug/l m

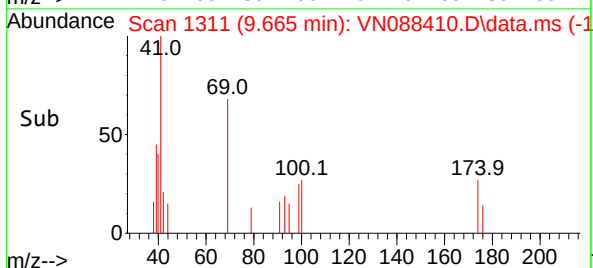
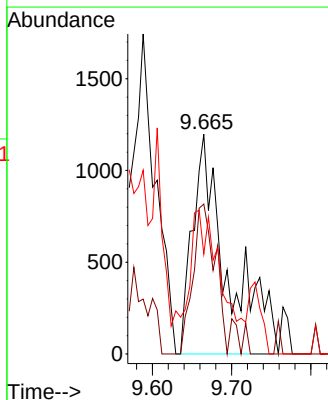
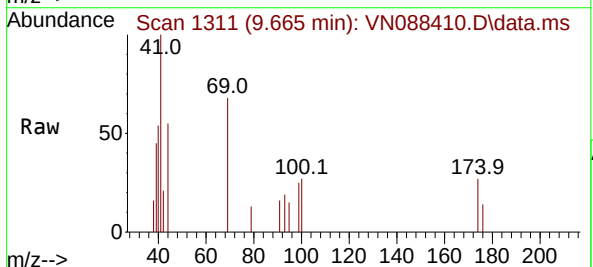
RT: 9.665 min Scan# 1311

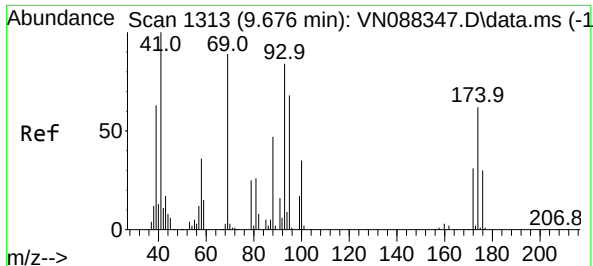
Delta R.T. 0.006 min

Lab File: VN088410.D

Acq: 02 Dec 2025 15:42

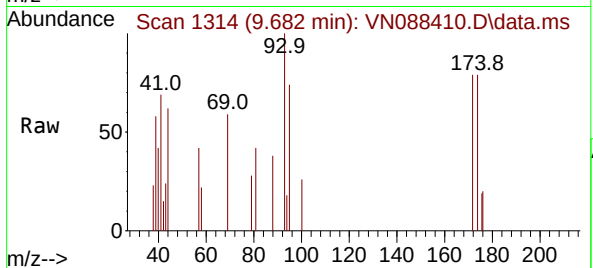
Tgt Ion:	41	Resp:	3633
Ion	Ratio	Lower	Upper
41	100		
69	43.9	62.4	93.6#
39	39.5	52.6	79.0#





#49
1,4-Dioxane
Concen: 7.573 ug/l m
RT: 9.682 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

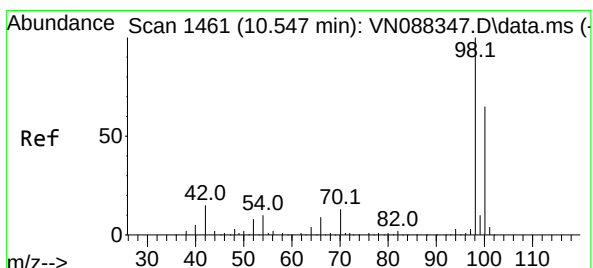
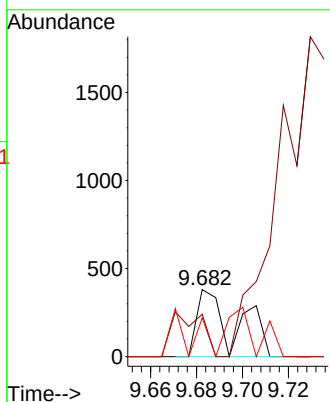
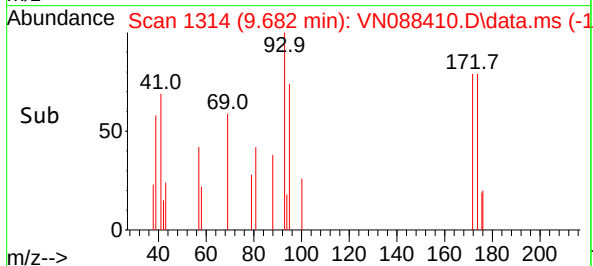
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 88 Resp: 440
Ion Ratio Lower Upper
88 100
43 53.4 0.0 0.0
58 21.8 62.0 93.0

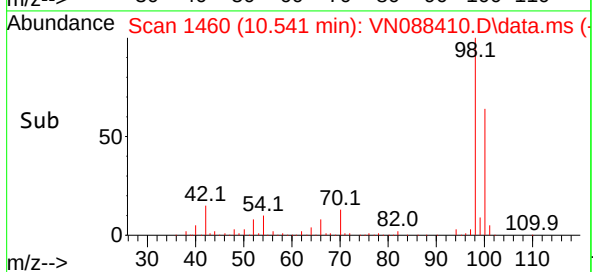
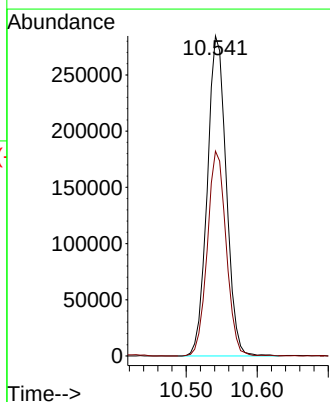
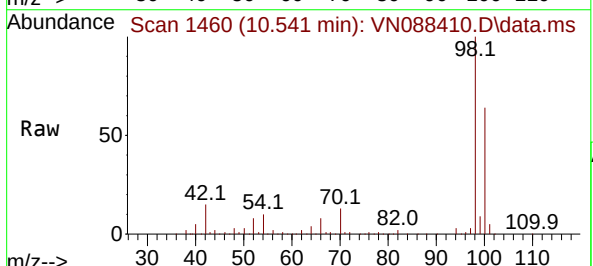
Manual Integrations
APPROVED

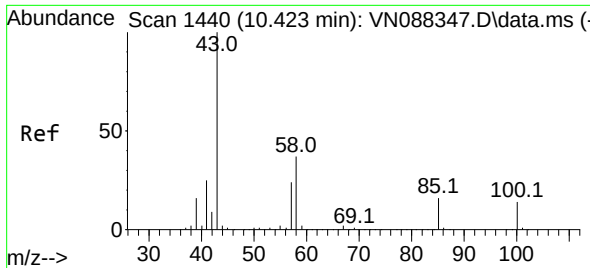
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#50
Toluene-d8
Concen: 43.907 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

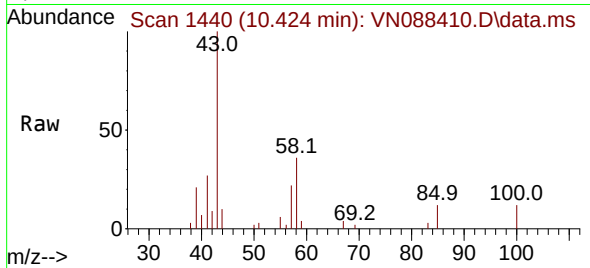
Tgt Ion: 98 Resp: 527607
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.2





#51
4-Methyl-2-Pentanone
Concen: 3.075 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

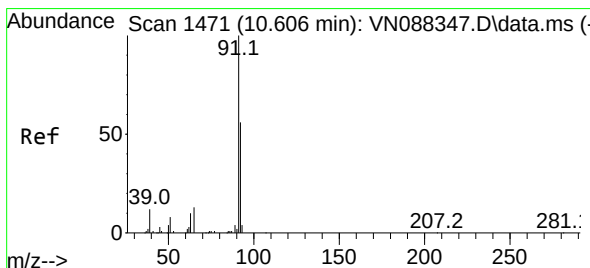
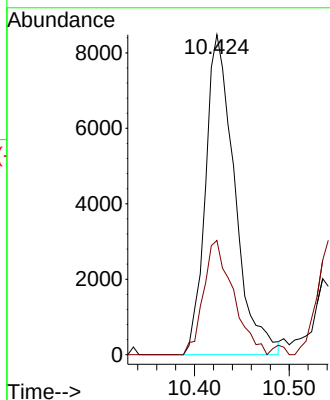
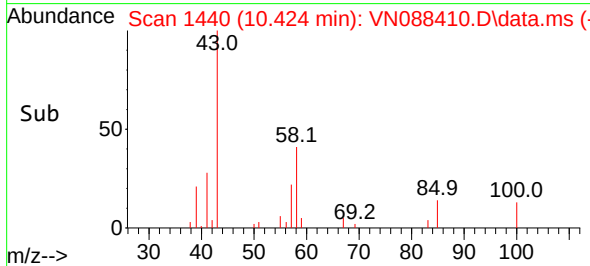
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 43 Resp: 1814
Ion Ratio Lower Upper
43 100
58 36.3 29.1 43.7

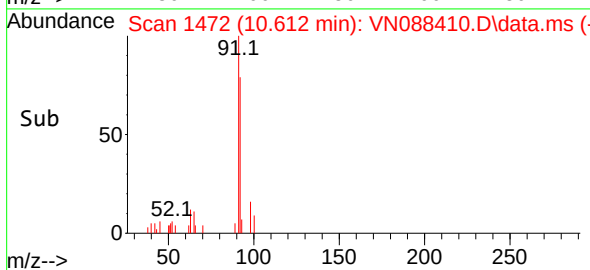
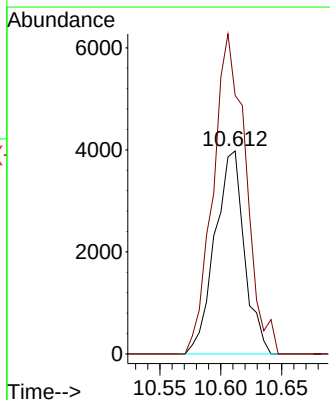
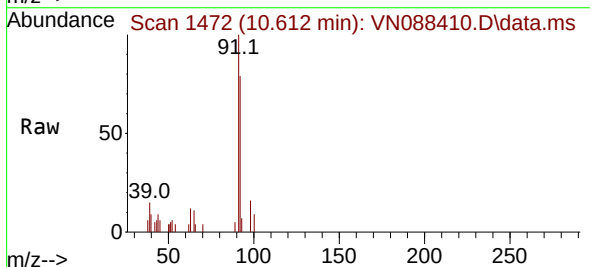
Manual Integrations
APPROVED

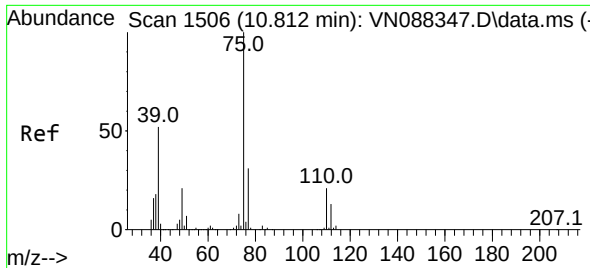
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#52
Toluene
Concen: 0.793 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

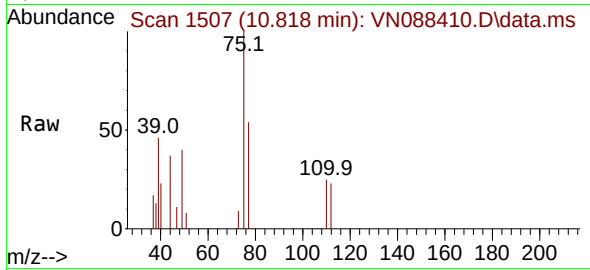
Tgt Ion: 92 Resp: 6700
Ion Ratio Lower Upper
92 100
91 175.1 140.2 210.2





#53
t-1,3-Dichloropropene
Concen: 0.695 ug/l
RT: 10.818 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

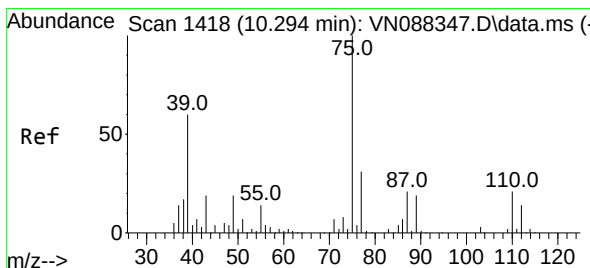
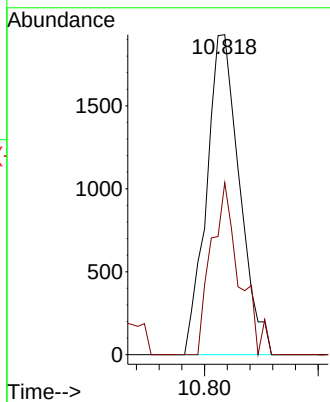
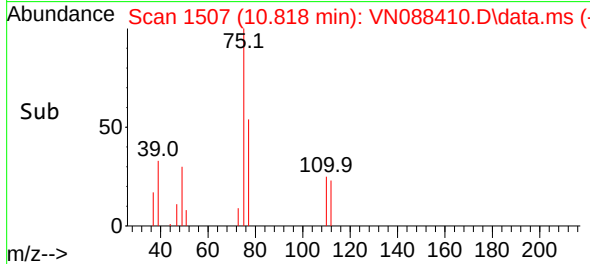
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 75 Resp: 3890
Ion Ratio Lower Upper
75 100
77 53.8 24.8 37.2#

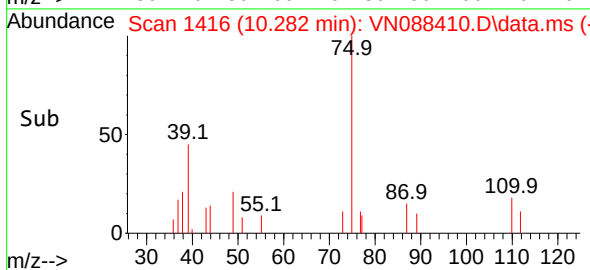
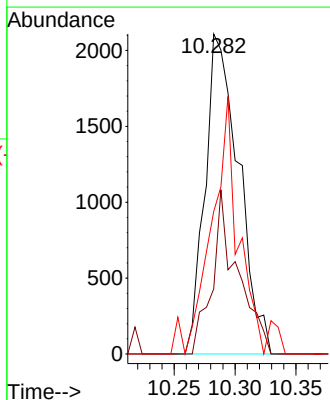
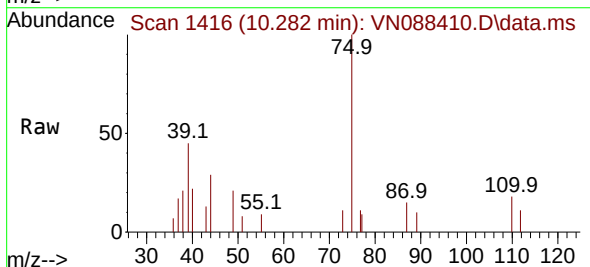
Manual Integrations
APPROVED

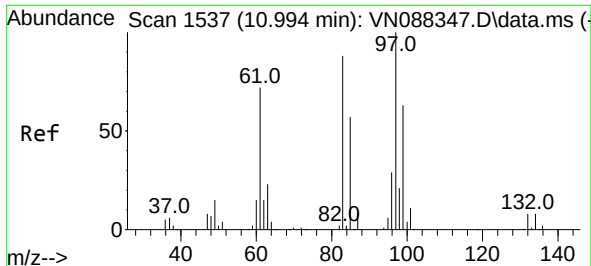
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#54
cis-1,3-Dichloropropene
Concen: 0.689 ug/l
RT: 10.282 min Scan# 1416
Delta R.T. -0.012 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

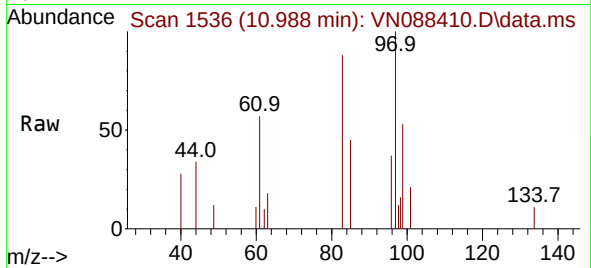
Tgt Ion: 75 Resp: 4058
Ion Ratio Lower Upper
75 100
77 20.3 24.5 36.7#
39 36.2 48.3 72.5#





#55
1,1,2-Trichloroethane
Concen: 0.770 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. -0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

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

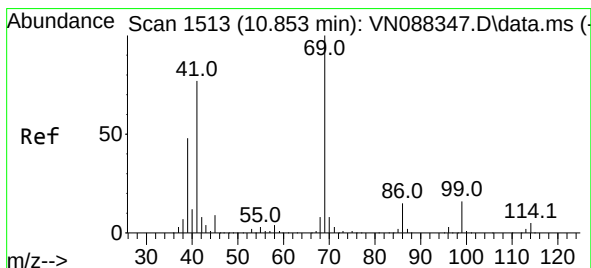
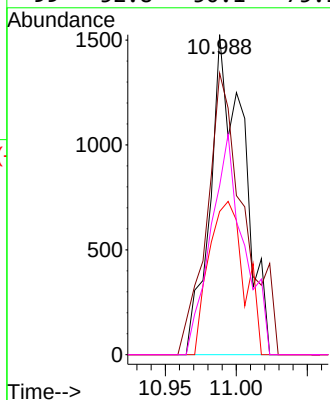
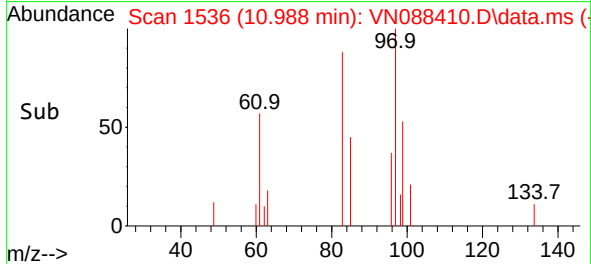


Tgt Ion: 97 Resp: 251

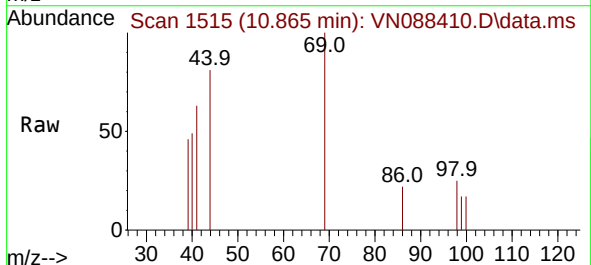
Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.4	105.6
85	44.8	45.4	68.2
99	52.8	50.1	75.1

Manual Integrations
APPROVED

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

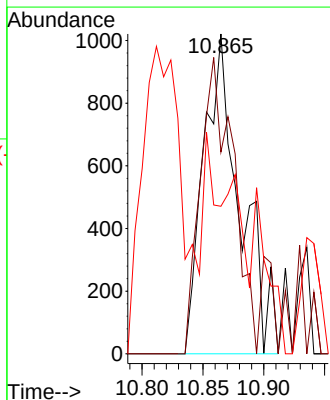
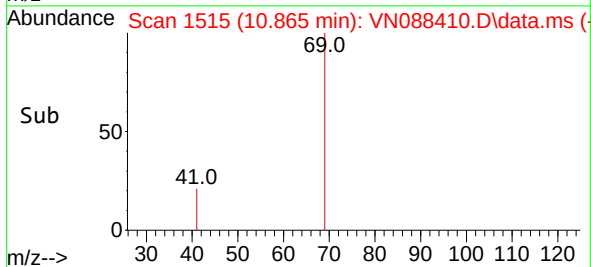


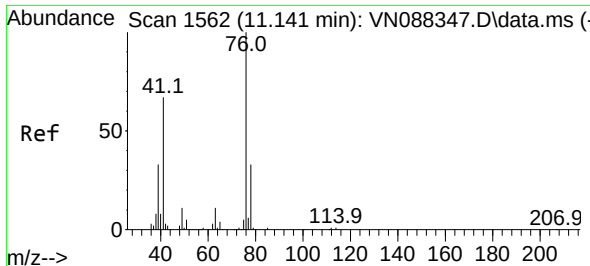
#56
Ethyl methacrylate
Concen: 0.414 ug/l
RT: 10.865 min Scan# 1515
Delta R.T. 0.012 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42



Tgt Ion: 69 Resp: 2137

Ion	Ratio	Lower	Upper
69	100		
41	83.9	59.6	89.4
39	14.7	36.4	54.6





#57

1,3-Dichloropropane

Concen: 0.770 ug/l

RT: 11.135 min Scan# 1561

Delta R.T. -0.006 min

Lab File: VN088410.D

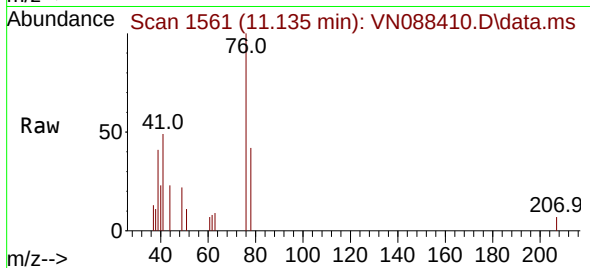
Acq: 02 Dec 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 76 Resp: 4538

Ion Ratio Lower Upper

76 100

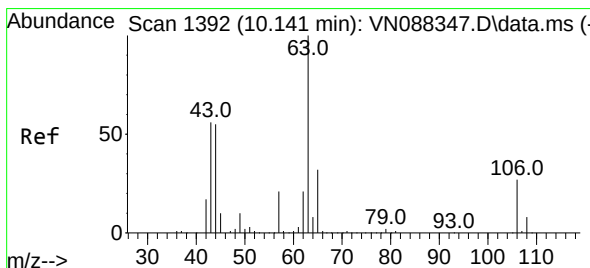
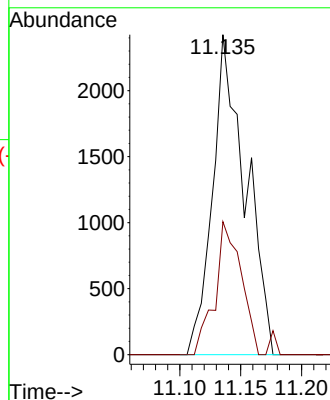
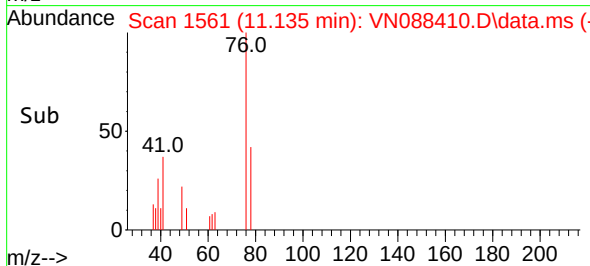
78 33.2 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#58

2-Chloroethyl Vinyl ether

Concen: 2.753 ug/l

RT: 10.147 min Scan# 1393

Delta R.T. 0.006 min

Lab File: VN088410.D

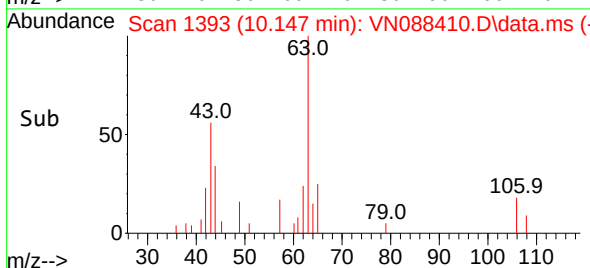
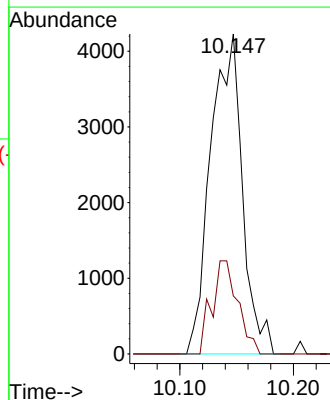
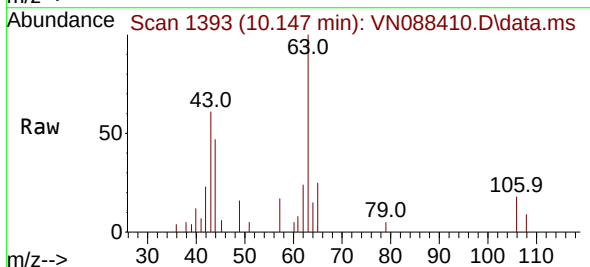
Acq: 02 Dec 2025 15:42

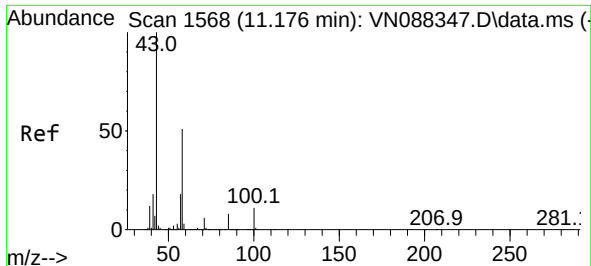
Tgt Ion: 63 Resp: 8192

Ion Ratio Lower Upper

63 100

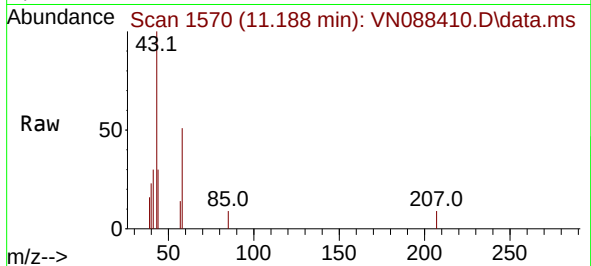
106 23.9 20.5 30.7





#59
2-Hexanone
Concen: 3.503 ug/l m
RT: 11.188 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

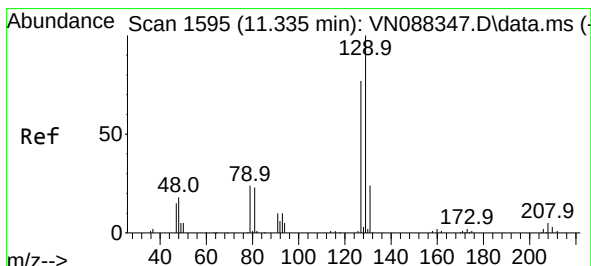
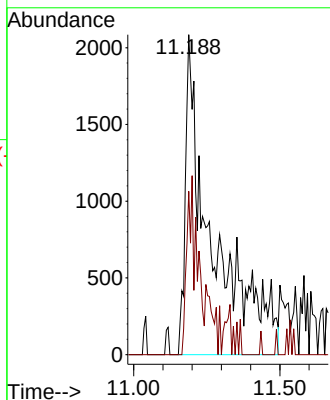
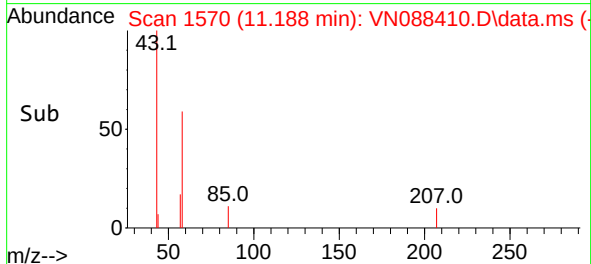
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 43 Resp: 1302
Ion Ratio Lower Upper
43 100
58 21.1 25.3 75.9

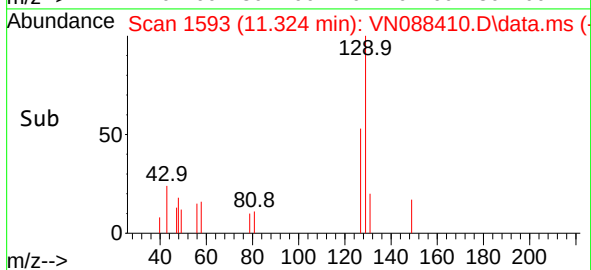
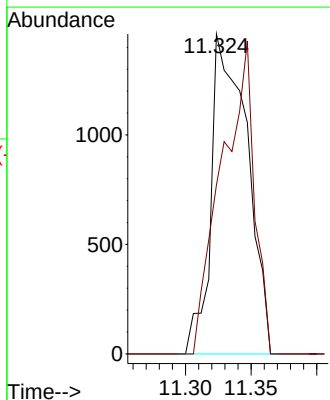
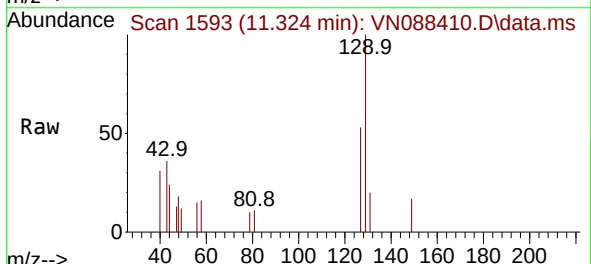
Manual Integrations
APPROVED

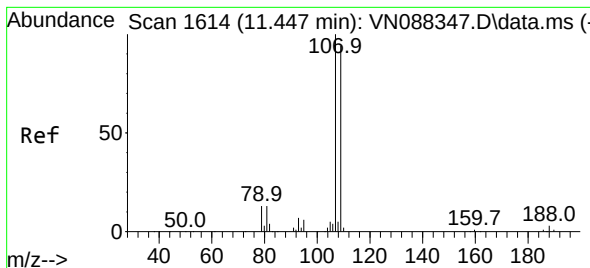
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#60
Dibromochloromethane
Concen: 0.748 ug/l
RT: 11.324 min Scan# 1593
Delta R.T. -0.012 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

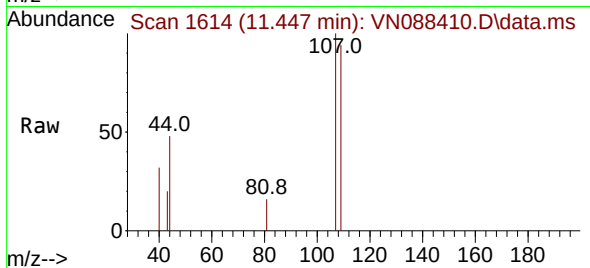
Tgt Ion:129 Resp: 2785
Ion Ratio Lower Upper
129 100
127 0.0 38.2 114.6





#61
1,2-Dibromoethane
Concen: 0.811 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

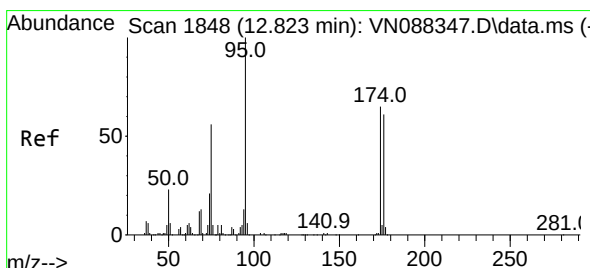
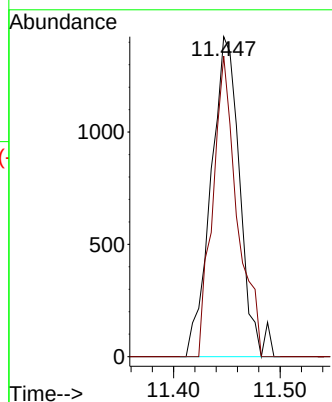
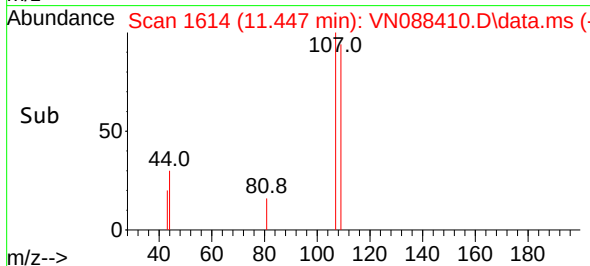
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



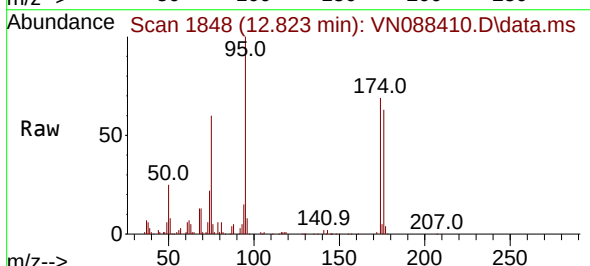
Tgt Ion:107 Resp: 268
Ion Ratio Lower Upper
107 100
109 79.7 74.6 112.0

Manual Integrations
APPROVED

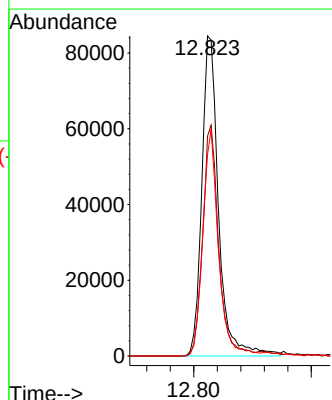
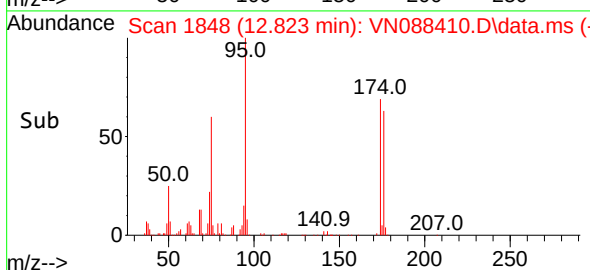
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

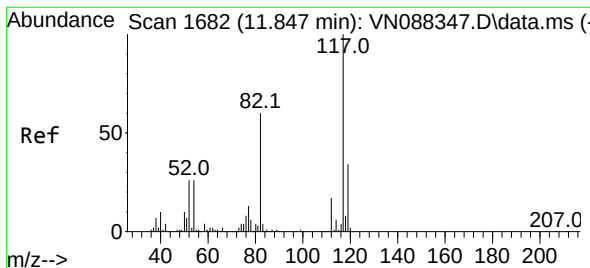


#62
4-Bromofluorobenzene
Concen: 40.467 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42



Tgt Ion: 95 Resp: 166847
Ion Ratio Lower Upper
95 100
174 68.5 0.0 139.0
176 66.2 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088410.D

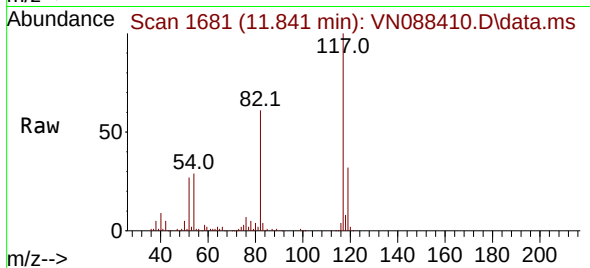
Acq: 02 Dec 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025



Tgt Ion:117 Resp: 41057

Ion Ratio Lower Upper

117 100

82 61.1 47.8 71.8

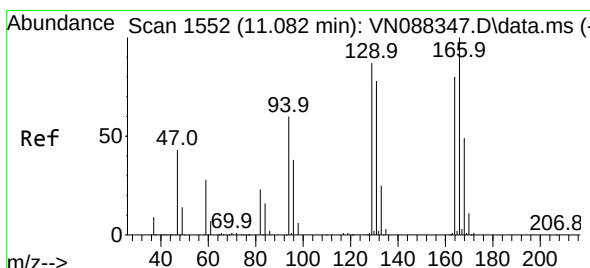
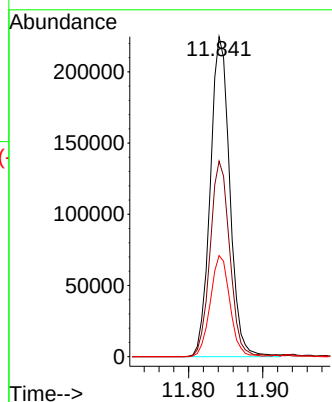
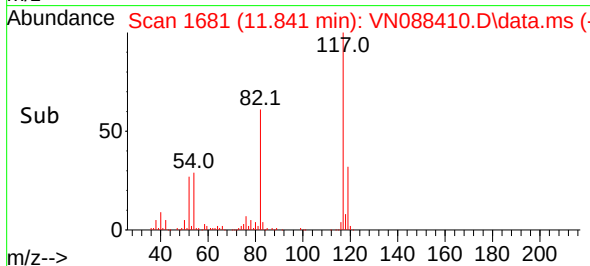
119 31.6 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#64

Tetrachloroethene

Concen: 0.673 ug/l

RT: 11.082 min Scan# 1552

Delta R.T. 0.000 min

Lab File: VN088410.D

Acq: 02 Dec 2025 15:42

Tgt Ion:164 Resp: 2191

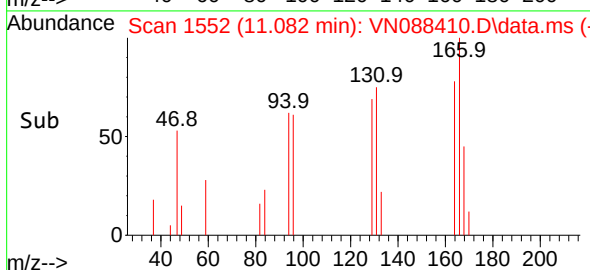
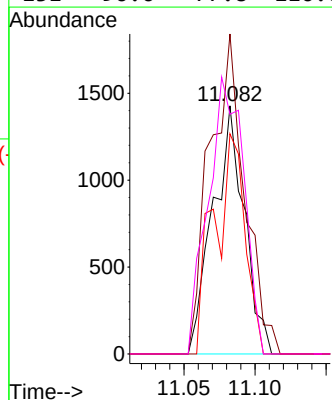
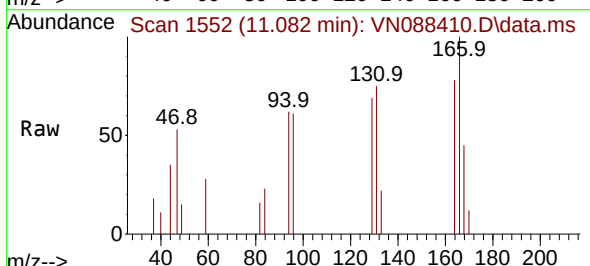
Ion Ratio Lower Upper

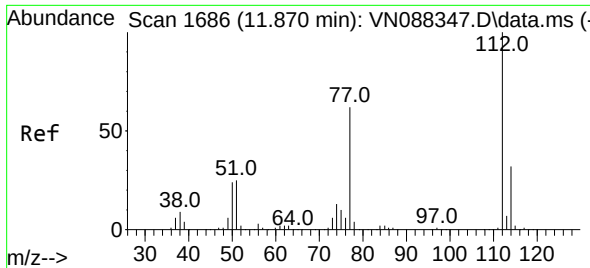
164 100

166 128.9 99.6 149.4

129 88.7 86.6 129.8

131 96.6 77.8 116.6





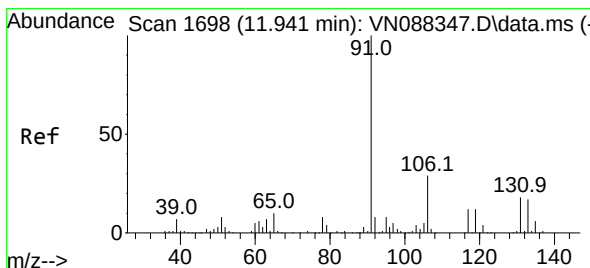
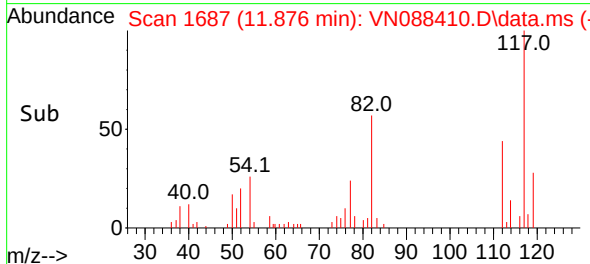
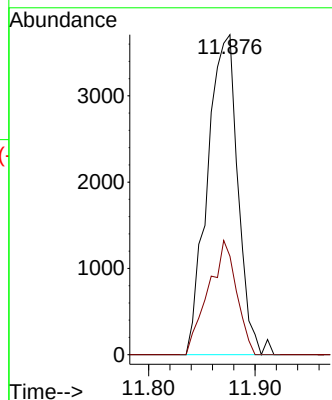
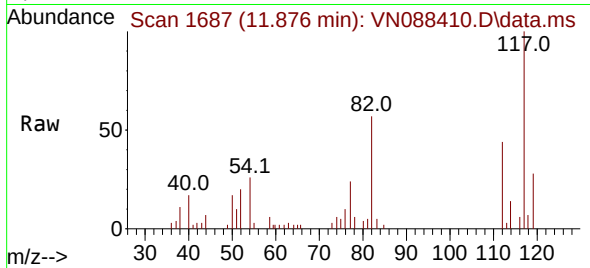
#65
Chlorobenzene
Concen: 0.799 ug/l
RT: 11.876 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

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

Tgt Ion:112 Resp: 7364
Ion Ratio Lower Upper
112 100
114 30.7 25.4 38.2

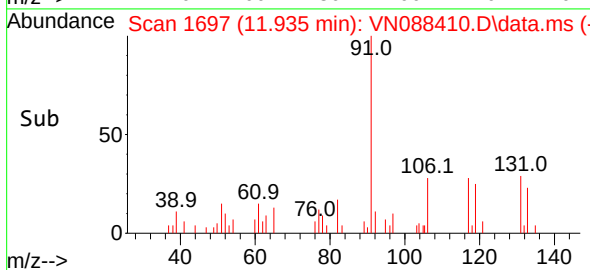
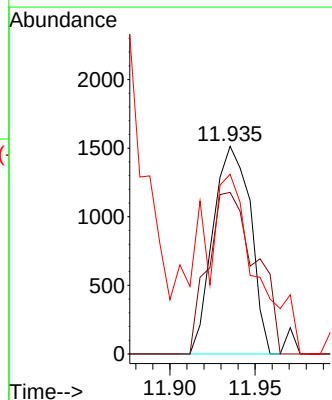
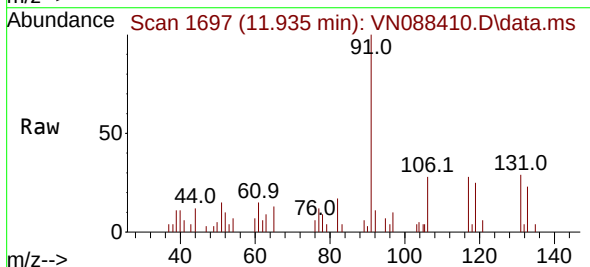
Manual Integrations
APPROVED

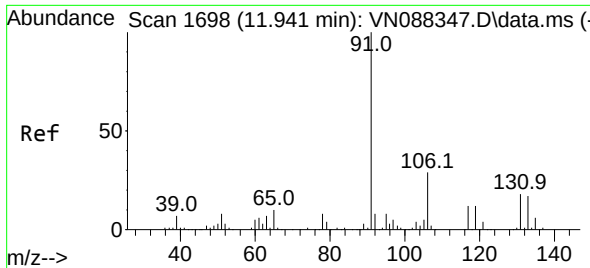
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 0.745 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

Tgt Ion:131 Resp: 2317
Ion Ratio Lower Upper
131 100
133 98.7 47.4 142.2
119 0.0 33.4 100.1#





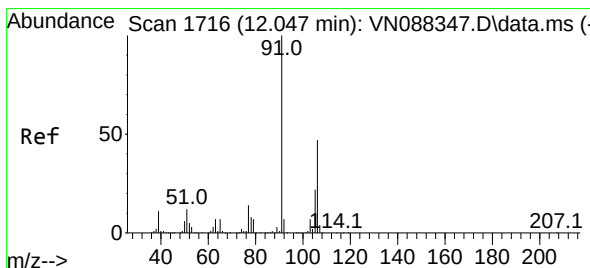
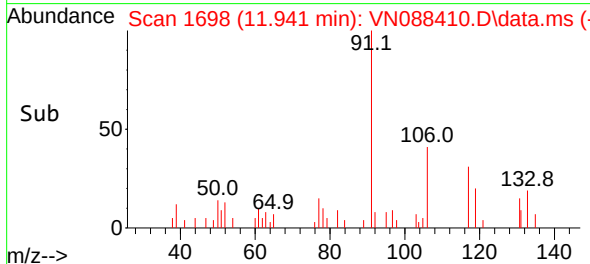
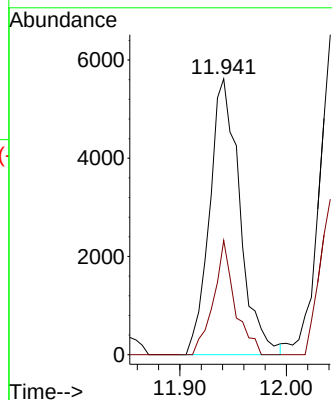
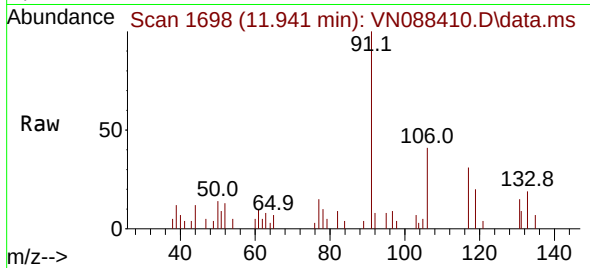
#67
Ethyl Benzene
Concen: 0.687 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

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

Tgt Ion: 91 Resp: 1106
Ion Ratio Lower Upper
91 100
106 41.4 23.6 35.4

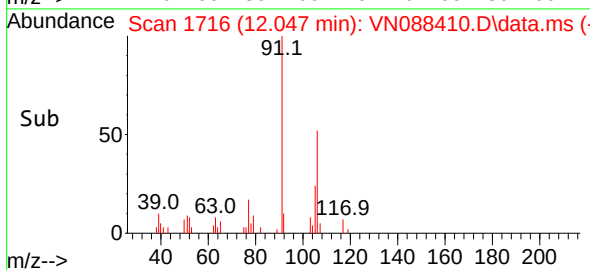
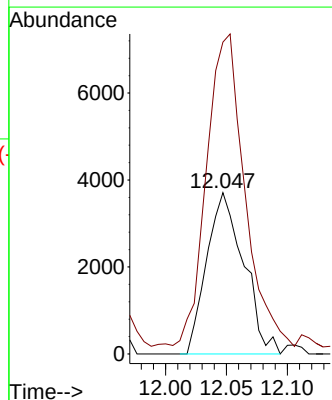
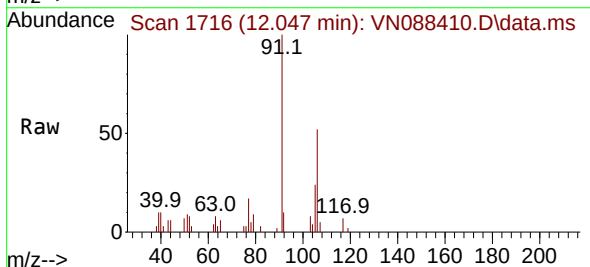
Manual Integrations
APPROVED

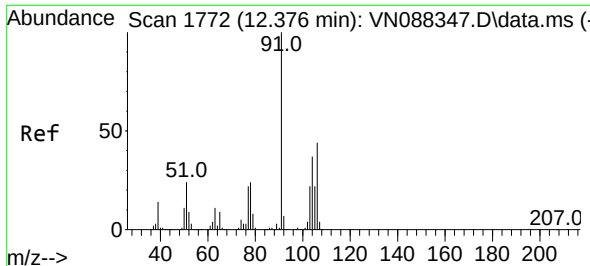
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#68
m/p-Xylenes
Concen: 1.308 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

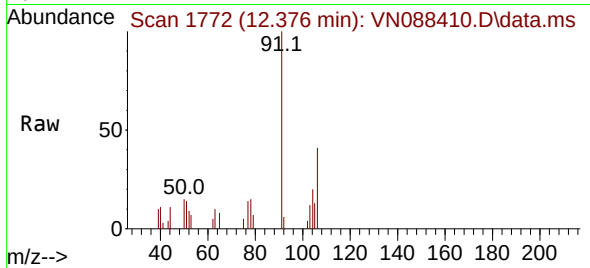
Tgt Ion:106 Resp: 7816
Ion Ratio Lower Upper
106 100
91 213.0 167.8 251.6





#69
o-Xylene
Concen: 0.542 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

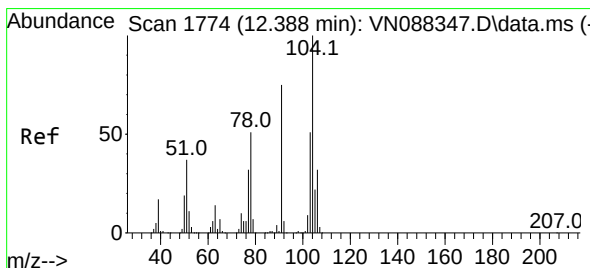
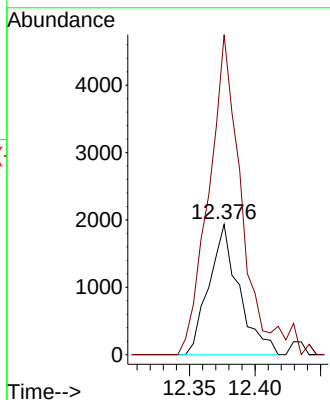
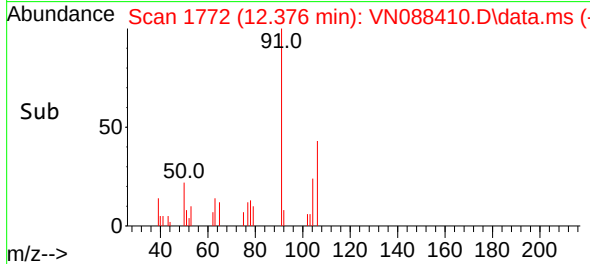
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion:106 Resp: 3088
Ion Ratio Lower Upper
106 100
91 255.5 112.9 338.7

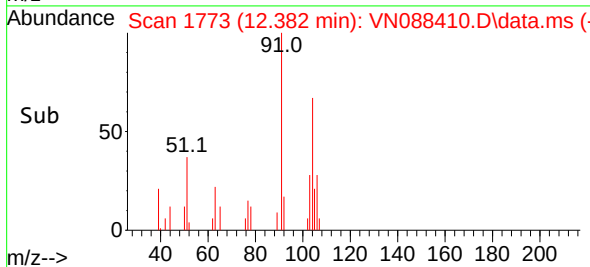
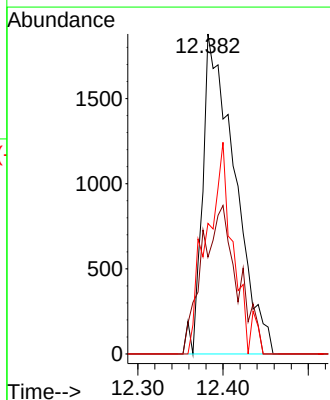
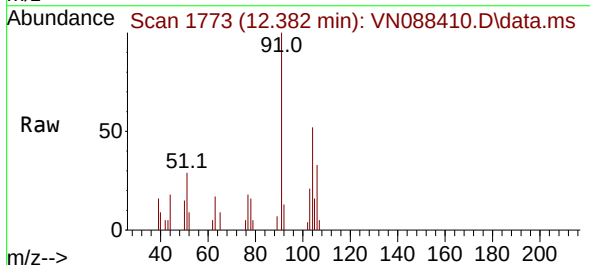
Manual Integrations
APPROVED

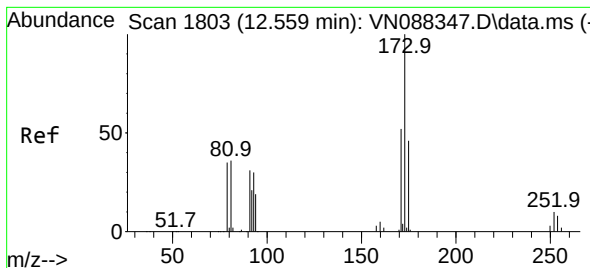
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#70
Styrene
Concen: 0.531 ug/l
RT: 12.382 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

Tgt Ion:104 Resp: 4914
Ion Ratio Lower Upper
104 100
78 51.3 44.3 66.5
103 55.1 44.2 66.4





#71

Bromoform

Concen: 0.727 ug/l

RT: 12.553 min Scan# 1803

Delta R.T. -0.006 min

Lab File: VN088410.D

Acq: 02 Dec 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

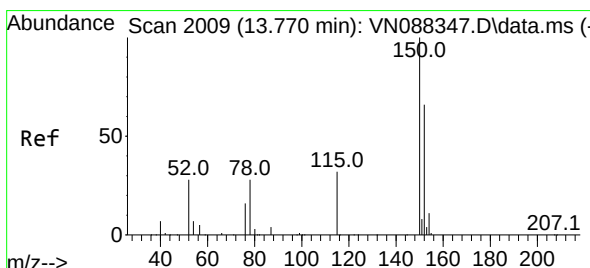
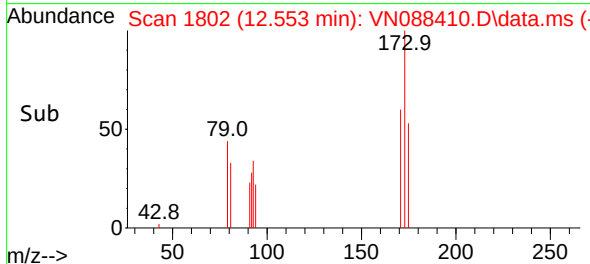
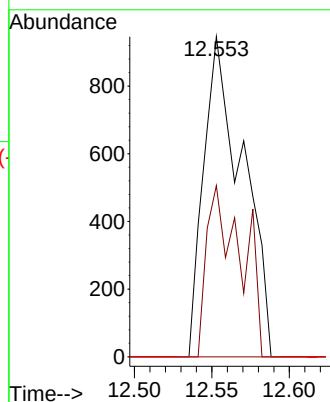
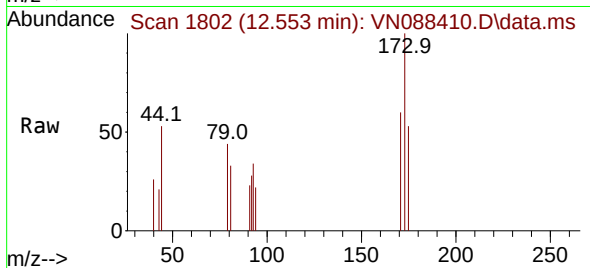
Tgt Ion:	173	Resp:	165
Ion Ratio	Lower	Upper	
173	100		
175	47.2	23.9	71.8
254	0.0	0.1	0.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

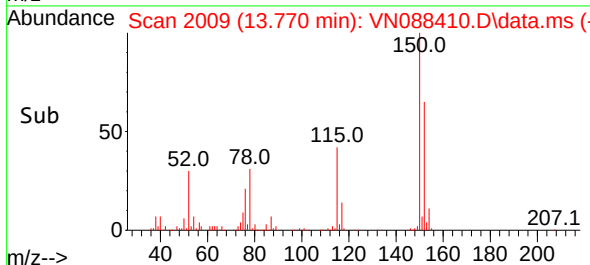
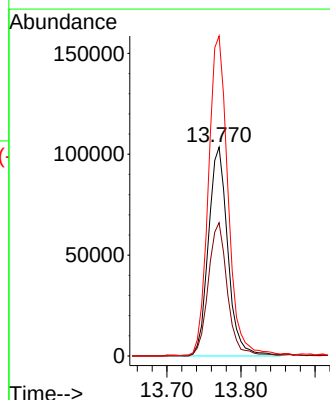
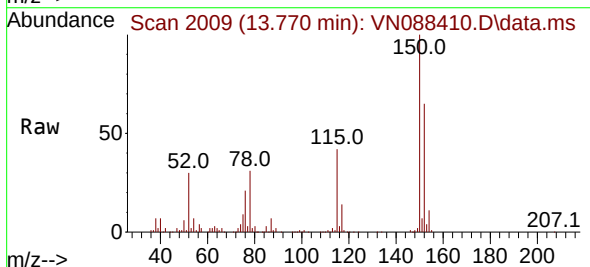
RT: 13.770 min Scan# 2009

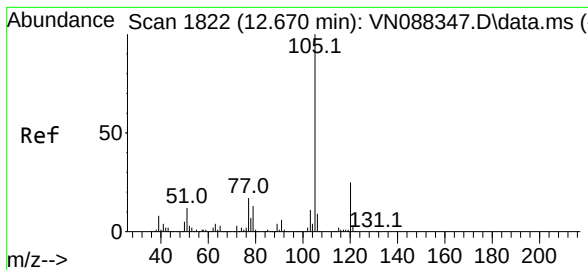
Delta R.T. 0.000 min

Lab File: VN088410.D

Acq: 02 Dec 2025 15:42

Tgt Ion:	152	Resp:	188301
Ion Ratio	Lower	Upper	
152	100		
115	63.0	33.0	98.9
150	155.9	0.0	349.0





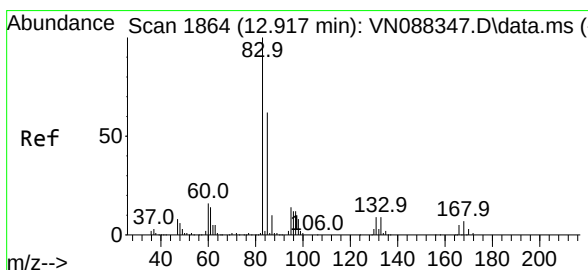
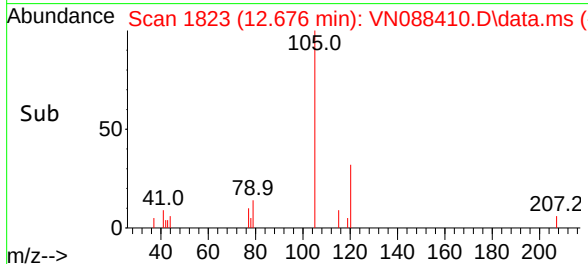
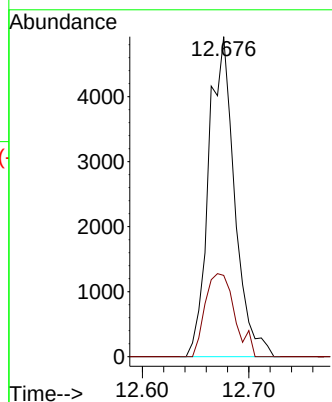
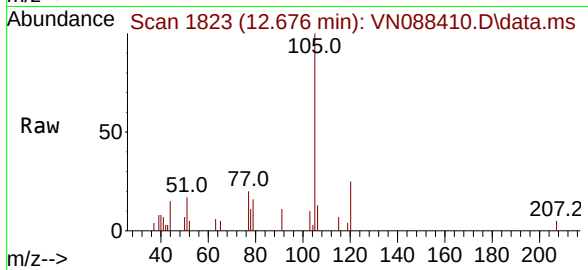
#73
Isopropylbenzene
Concen: 0.598 ug/l
RT: 12.676 min Scan# 1822
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

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

Tgt Ion: 105 Resp: 8330
Ion Ratio Lower Upper
105 100
120 29.5 12.8 38.3

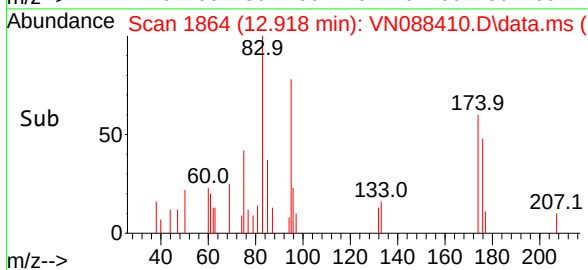
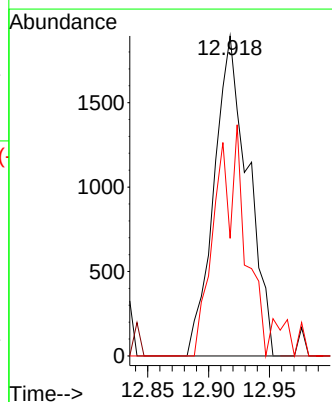
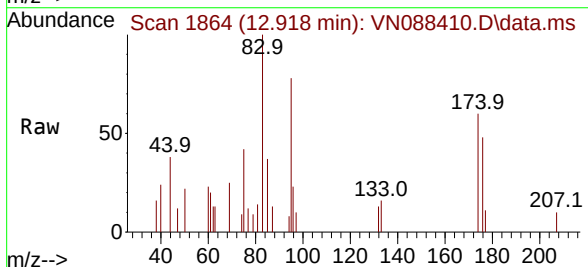
Manual Integrations
APPROVED

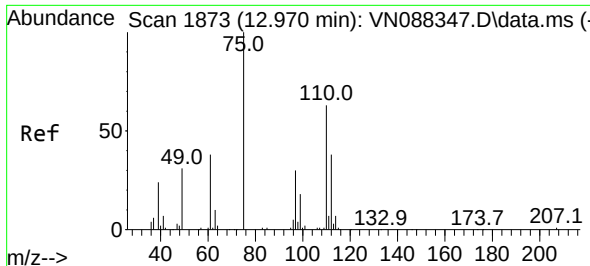
Reviewed By : John Carlone 12/03/2025
Supervised By : Mahesh Dadoda 12/03/2025



#75
1,1,2,2-Tetrachloroethane
Concen: 0.816 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

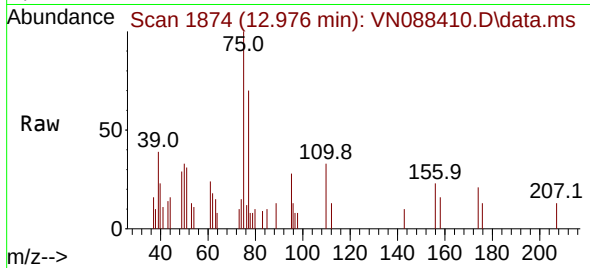
Tgt Ion: 83 Resp: 3675
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4#
85 62.8 32.1 96.5





#76
1,2,3-Trichloropropane
Concen: 0.851 ug/l m
RT: 12.976 min Scan# 1873
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

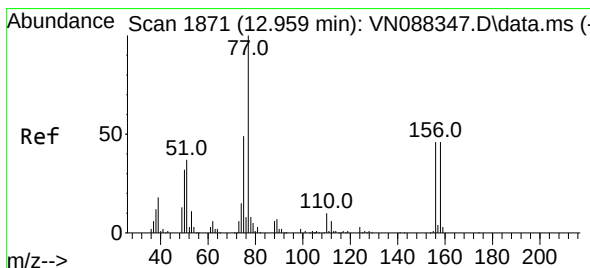
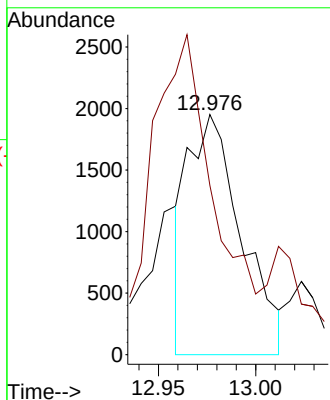
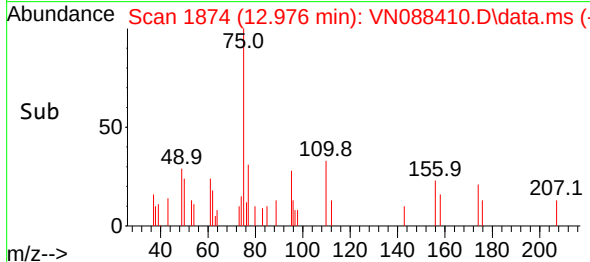
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 75 Resp: 375
Ion Ratio Lower Upper
75 100
77 158.9 87.2 261.6

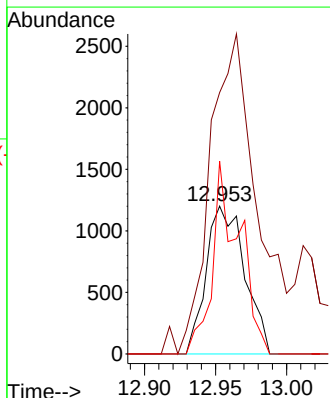
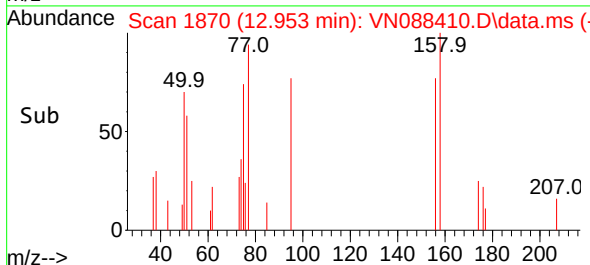
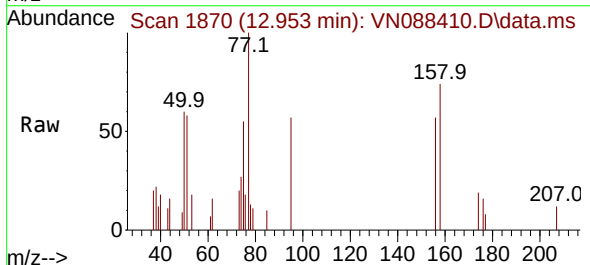
Manual Integrations
APPROVED

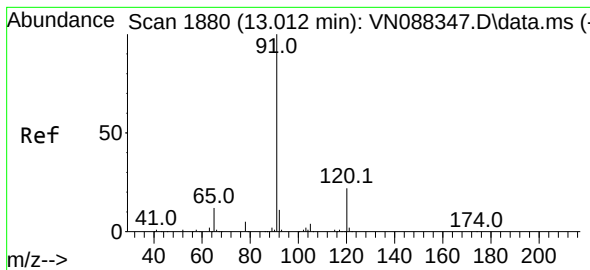
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#77
Bromobenzene
Concen: 0.713 ug/l
RT: 12.953 min Scan# 1870
Delta R.T. -0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

Tgt Ion:156 Resp: 2270
Ion Ratio Lower Upper
156 100
77 262.8 121.6 364.7
158 91.4 48.6 145.8





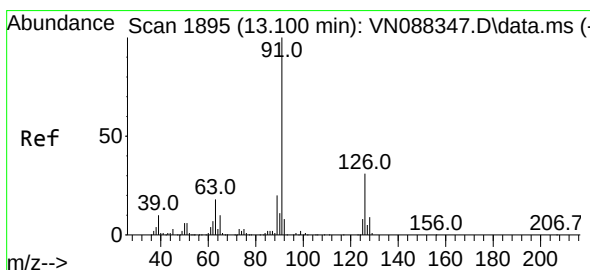
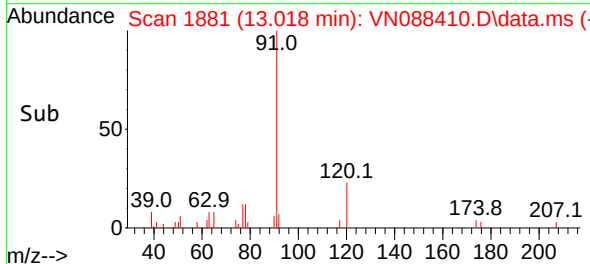
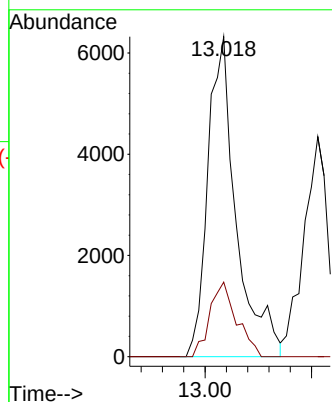
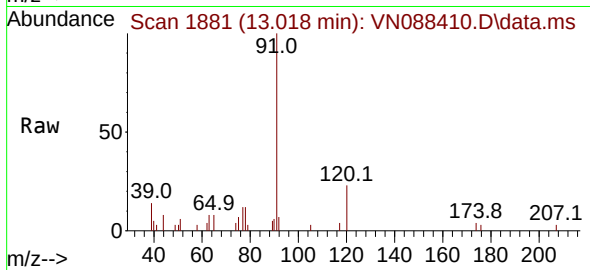
#78
n-propylbenzene
Concen: 0.688 ug/l
RT: 13.018 min Scan# 1880
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

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

Tgt Ion: 91 Resp: 11724
Ion Ratio Lower Upper
91 100
120 22.0 10.9 32.6

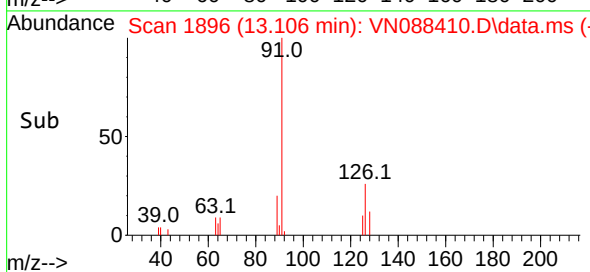
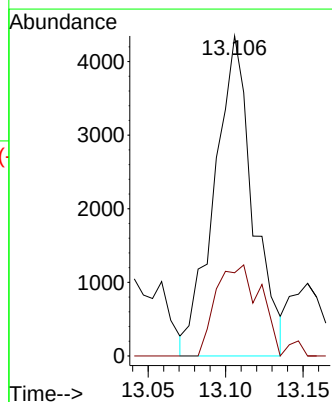
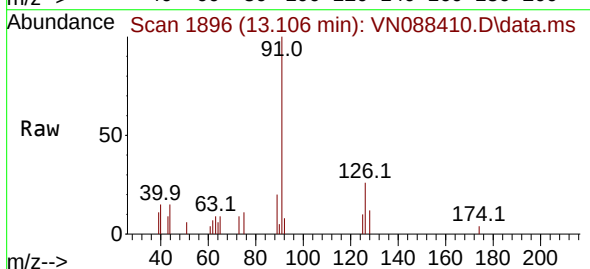
Manual Integrations
APPROVED

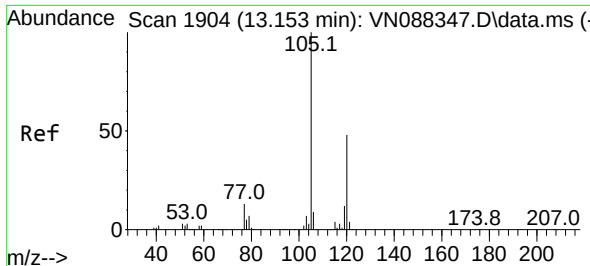
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#79
2-Chlorotoluene
Concen: 0.726 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

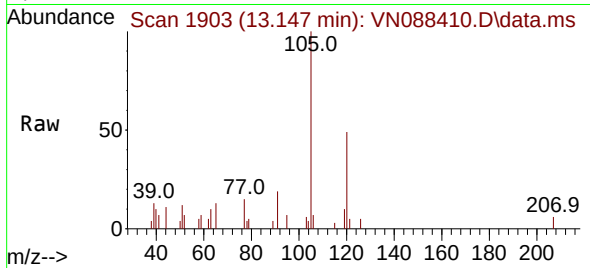
Tgt Ion: 91 Resp: 7555
Ion Ratio Lower Upper
91 100
126 34.3 15.3 45.9





#80
1,3,5-Trimethylbenzene
Concen: 0.689 ug/l
RT: 13.147 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

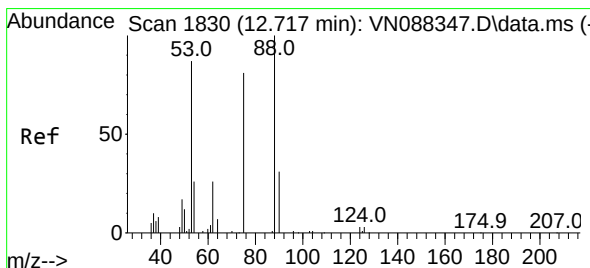
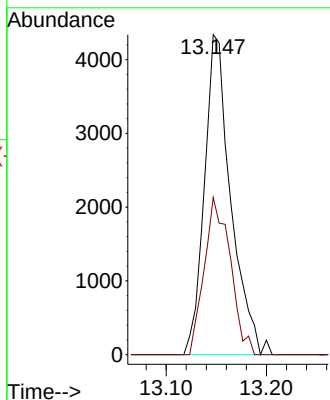
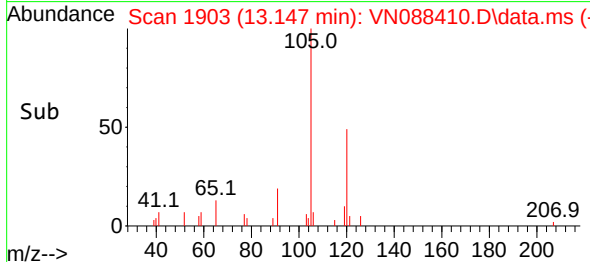
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



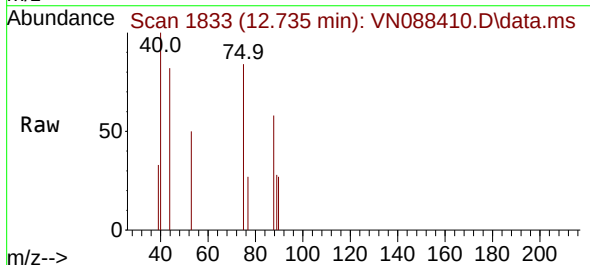
Tgt Ion:105 Resp: 7954
Ion Ratio Lower Upper
105 100
120 48.3 23.8 71.5

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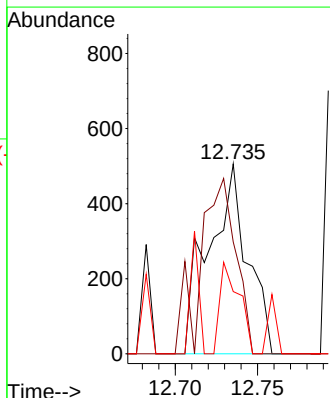
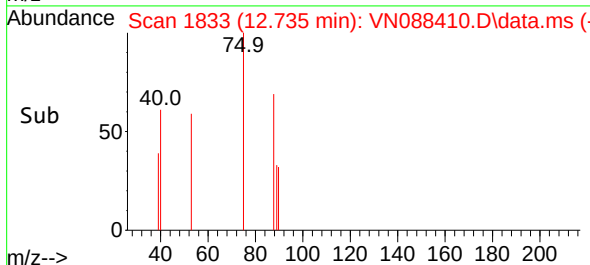
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

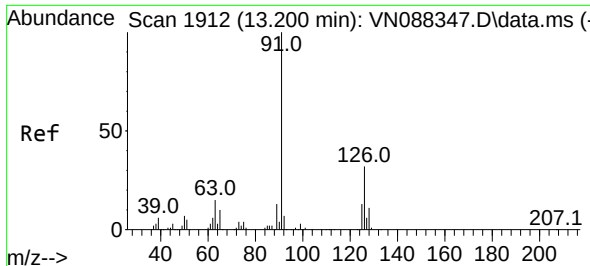


#81
trans-1,4-Dichloro-2-butene
Concen: 0.534 ug/l m
RT: 12.735 min Scan# 1833
Delta R.T. 0.018 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42



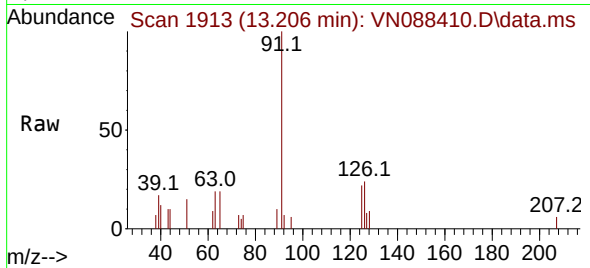
Tgt Ion: 75 Resp: 830
Ion Ratio Lower Upper
75 100
53 26.1 92.2 138.4#
89 0.0 0.0 0.0





#82
4-Chlorotoluene
Concen: 0.711 ug/l
RT: 13.206 min Scan# 1913
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

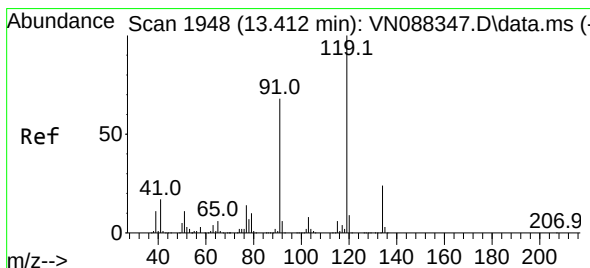
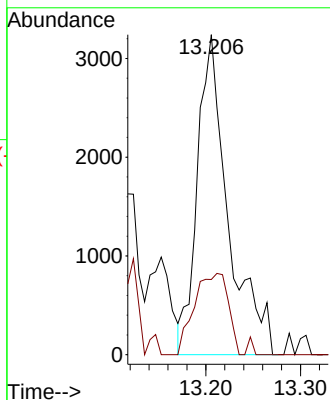
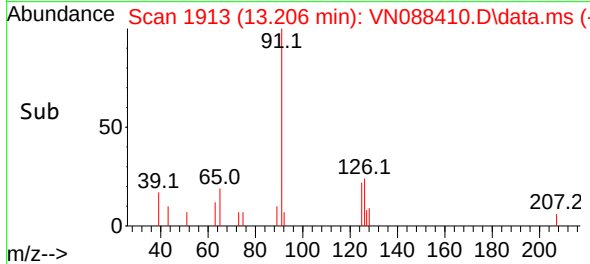
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



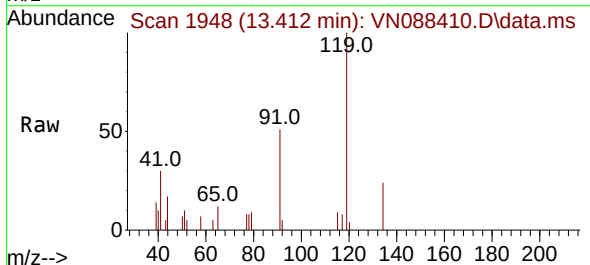
Tgt Ion: 91 Resp: 734
Ion Ratio Lower Upper
91 100
126 27.9 15.6 46.7

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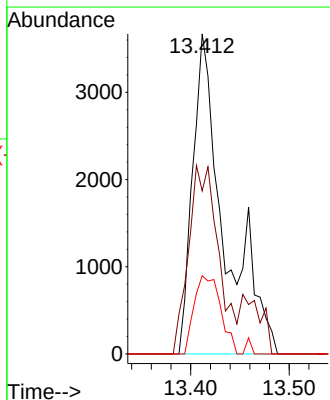
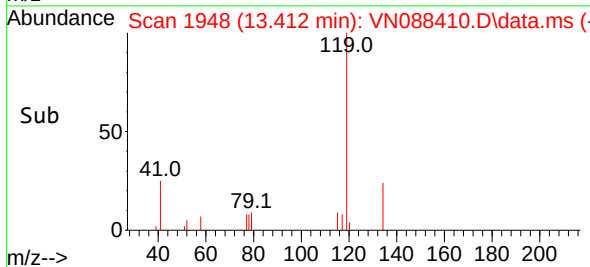
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

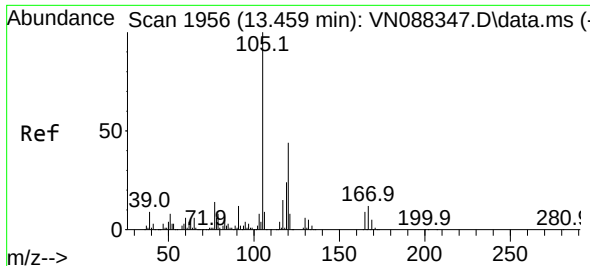


#83
tert-Butylbenzene
Concen: 0.831 ug/l m
RT: 13.412 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42



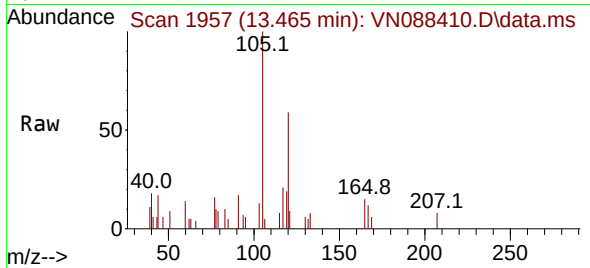
Tgt Ion:119 Resp: 8153
Ion Ratio Lower Upper
119 100
91 55.9 35.1 105.3
134 20.5 12.8 38.4





#84
1,2,4-Trimethylbenzene
Concen: 0.601 ug/l
RT: 13.465 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

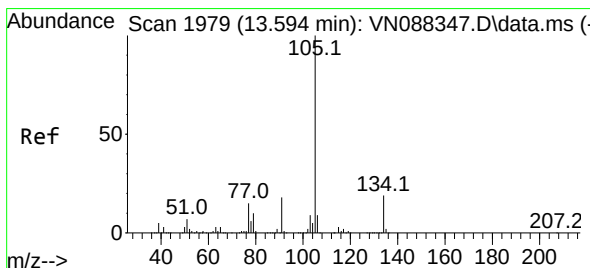
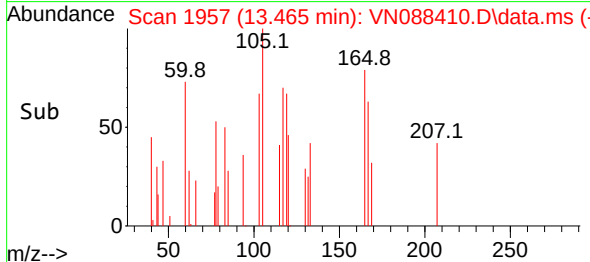
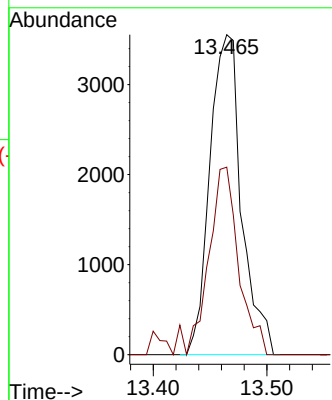
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



Tgt Ion:105 Resp: 6890
Ion Ratio Lower Upper
105 100
120 56.3 22.1 66.1

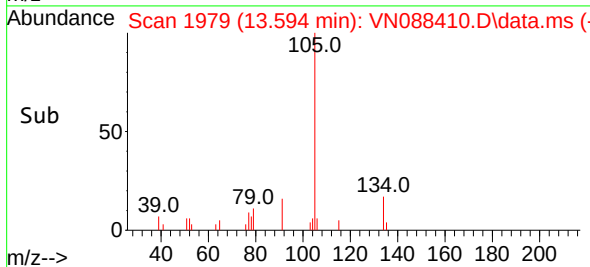
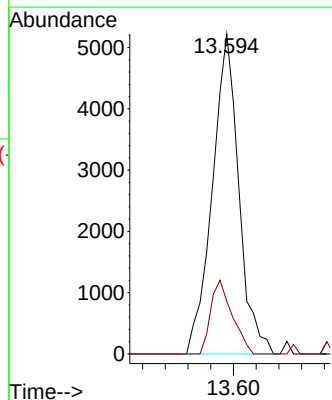
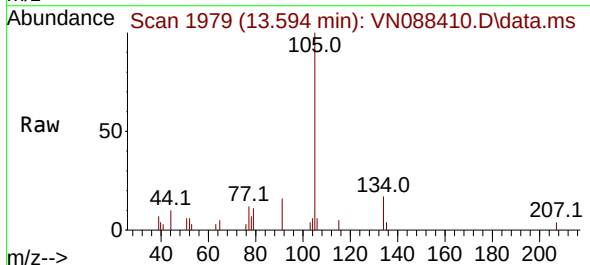
Manual Integrations
APPROVED

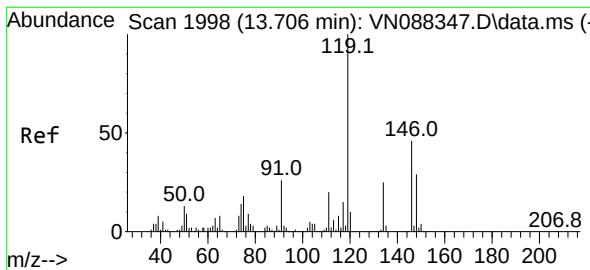
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#85
sec-Butylbenzene
Concen: 0.600 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

Tgt Ion:105 Resp: 8453
Ion Ratio Lower Upper
105 100
134 18.7 9.5 28.5





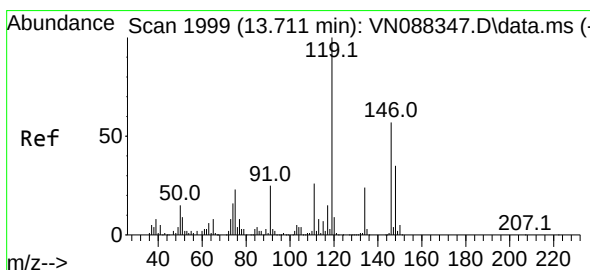
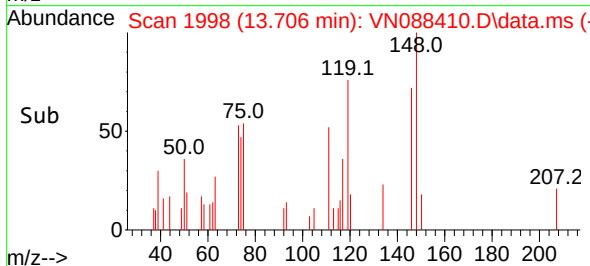
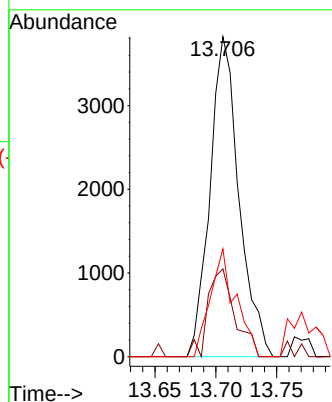
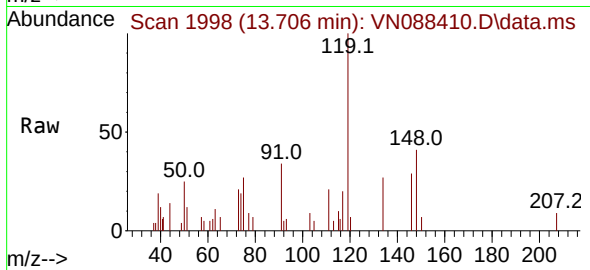
#86
p-Isopropyltoluene
Concen: 0.548 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

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

Tgt Ion:119 Resp: 633
Ion Ratio Lower Upper
119 100
134 25.4 12.2 36.6
91 29.4 13.0 39.0

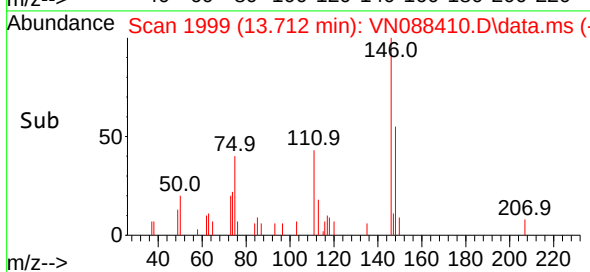
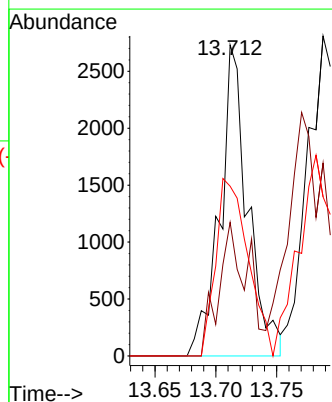
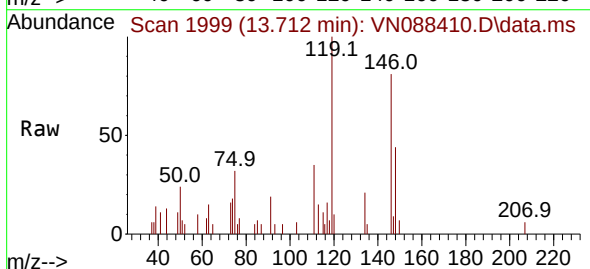
Manual Integrations
APPROVED

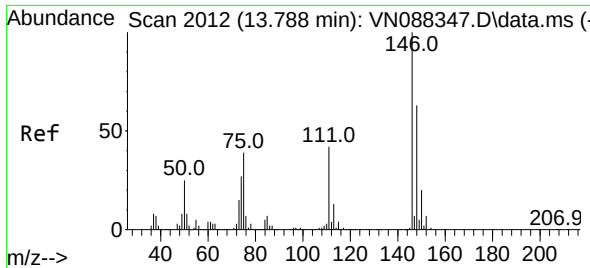
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#87
1,3-Dichlorobenzene
Concen: 0.701 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

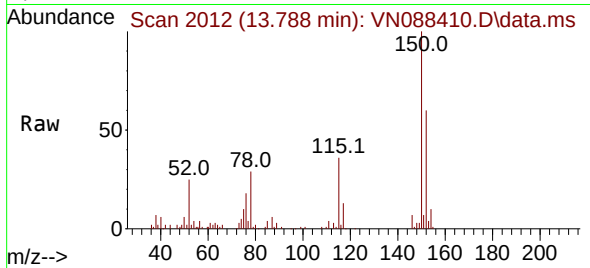
Tgt Ion:146 Resp: 4345
Ion Ratio Lower Upper
146 100
111 45.8 22.4 67.0
148 66.2 31.6 94.8





#88
1,4-Dichlorobenzene
Concen: 0.825 ug/l m
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

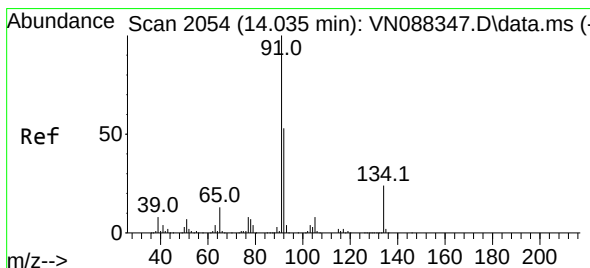
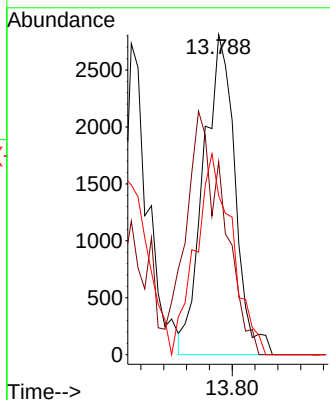
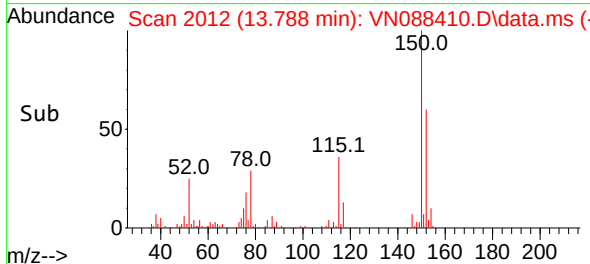
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



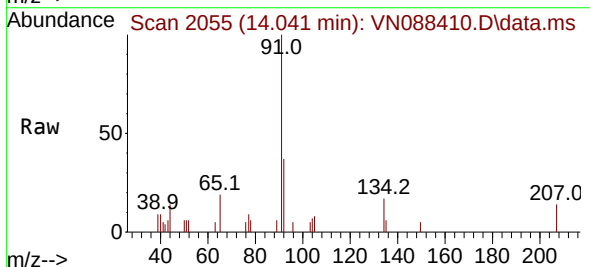
Tgt Ion:146 Resp: 536
Ion Ratio Lower Upper
146 100
111 37.2 21.6 64.6
148 53.6 31.0 93.0

Manual Integrations
APPROVED

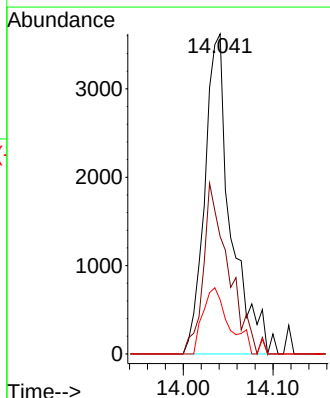
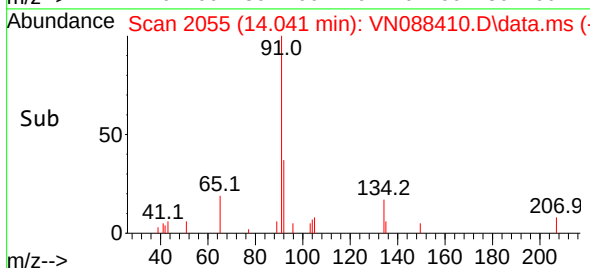
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

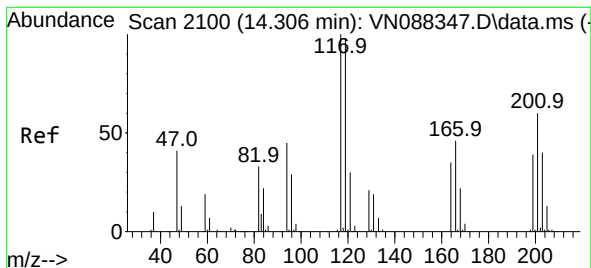


#89
n-Butylbenzene
Concen: 0.654 ug/l
RT: 14.041 min Scan# 2055
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42



Tgt Ion: 91 Resp: 7336
Ion Ratio Lower Upper
91 100
92 51.4 26.1 78.3
134 20.6 11.7 35.1





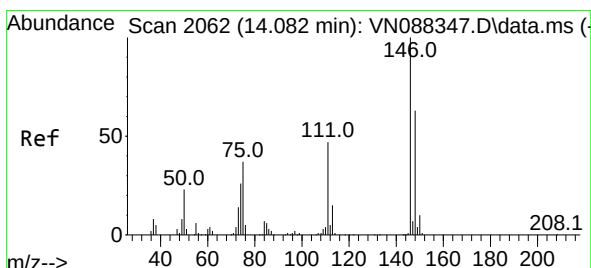
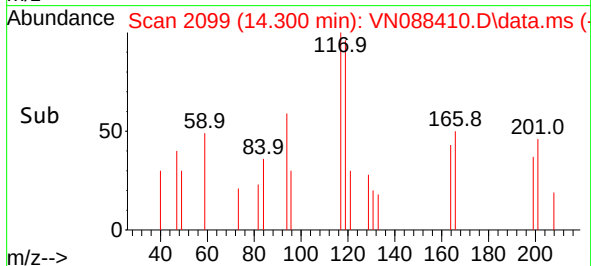
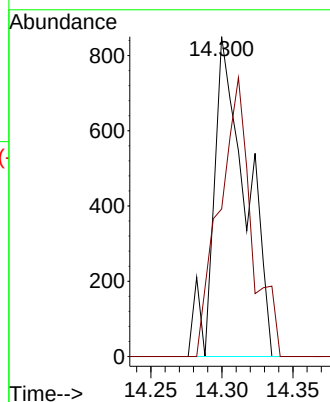
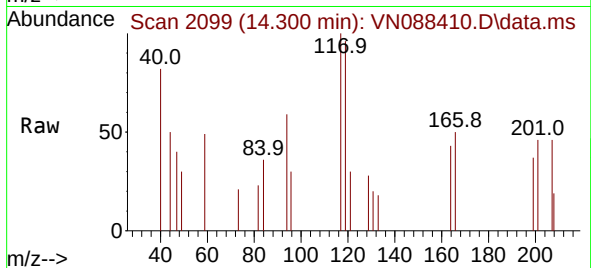
#90
Hexachloroethane
Concen: 0.637 ug/l
RT: 14.300 min Scan# 2099
Delta R.T. -0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

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

Tgt Ion:117 Resp: 134
Ion Ratio Lower Upper
117 100
201 86.7 30.3 90.9

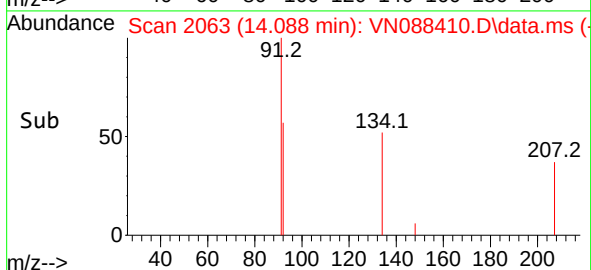
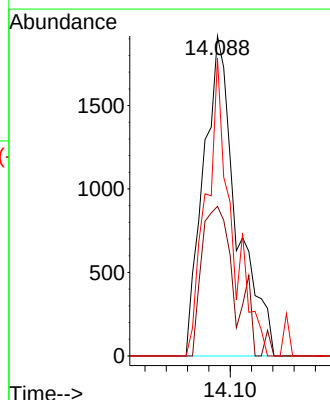
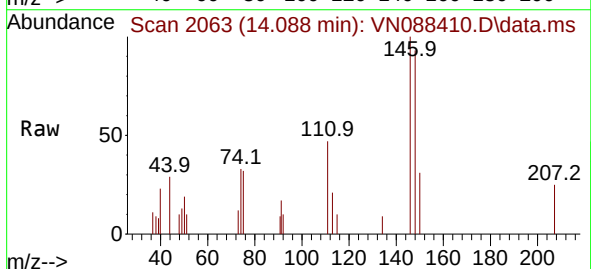
Manual Integrations
APPROVED

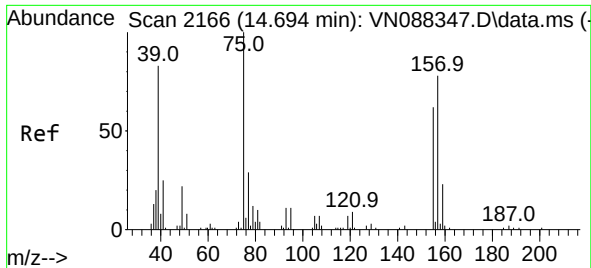
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#91
1,2-Dichlorobenzene
Concen: 0.711 ug/l
RT: 14.088 min Scan# 2063
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

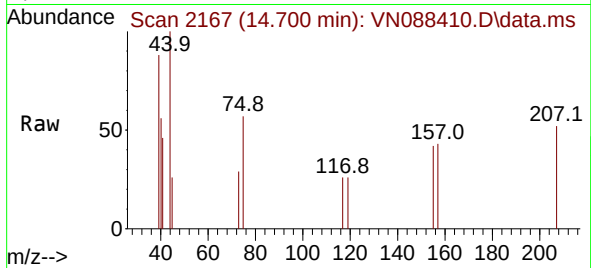
Tgt Ion:146 Resp: 4148
Ion Ratio Lower Upper
146 100
111 45.6 23.3 69.9
148 70.7 31.8 95.4





#92
1,2-Dibromo-3-Chloropropane
Concen: 0.431 ug/l
RT: 14.700 min Scan# 2166
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

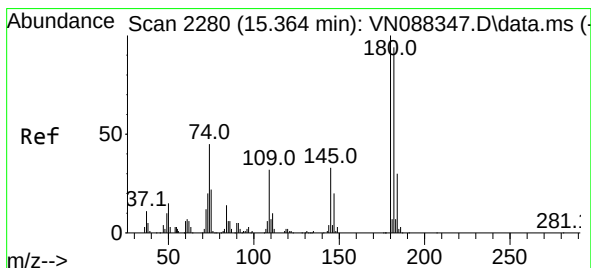
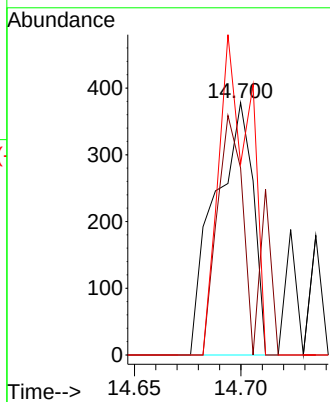
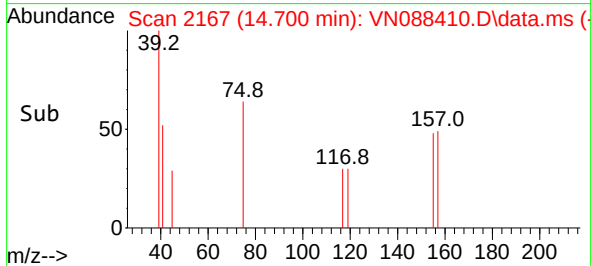
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



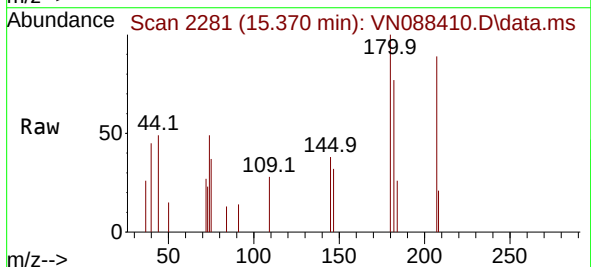
Tgt Ion: 75 Resp: 47
Ion Ratio Lower Upper
75 100
155 80.9 33.7 101.1
157 103.8 43.8 131.3

Manual Integrations
APPROVED

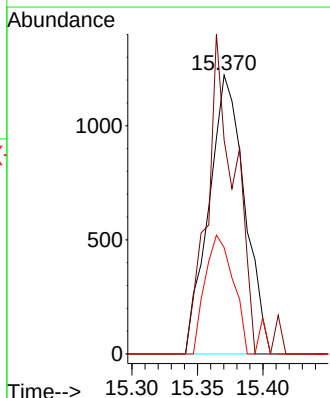
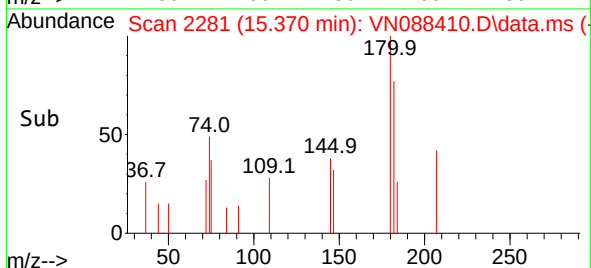
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

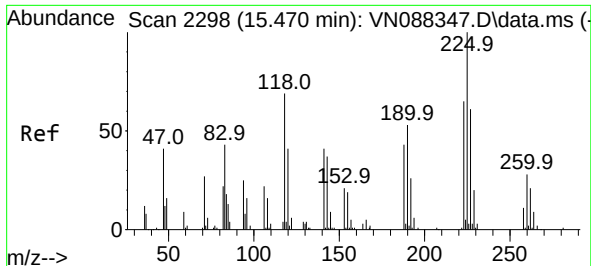


#93
1,2,4-Trichlorobenzene
Concen: 0.669 ug/l
RT: 15.370 min Scan# 2281
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42



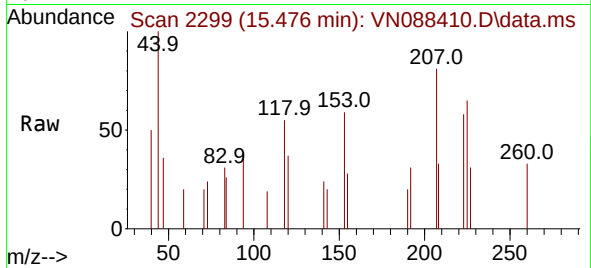
Tgt Ion:180 Resp: 2319
Ion Ratio Lower Upper
180 100
182 87.1 46.1 138.2
145 33.5 16.7 50.1





#94
Hexachlorobutadiene
Concen: 0.566 ug/l
RT: 15.476 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42

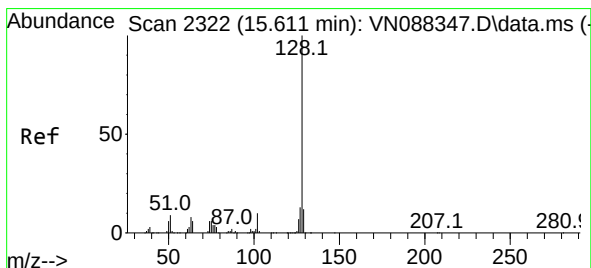
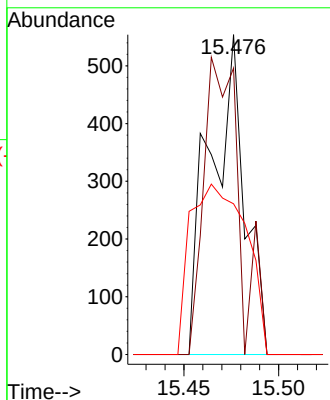
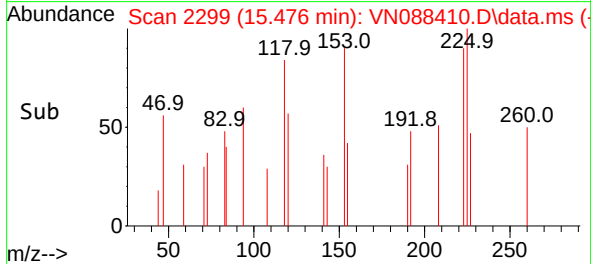
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025



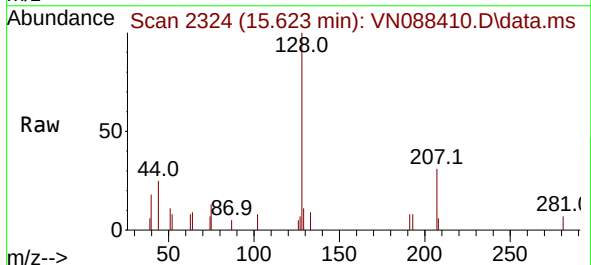
Tgt Ion:225 Resp: 709
Ion Ratio Lower Upper
225 100
223 94.8 32.3 96.8
227 86.2 29.9 89.8

Manual Integrations
APPROVED

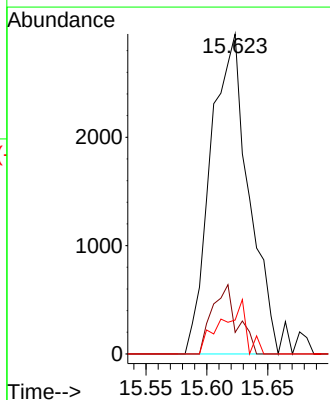
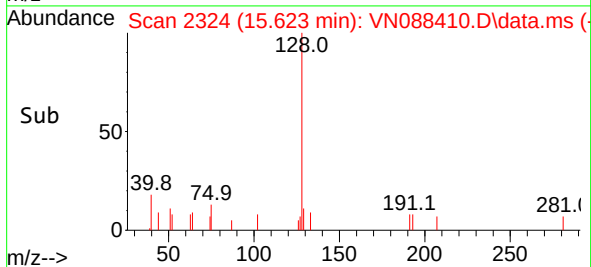
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

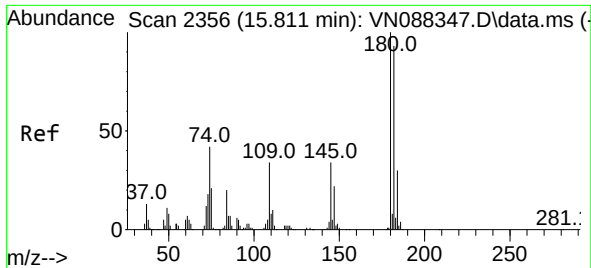


#95
Naphthalene
Concen: 0.533 ug/l
RT: 15.623 min Scan# 2324
Delta R.T. 0.012 min
Lab File: VN088410.D
Acq: 02 Dec 2025 15:42



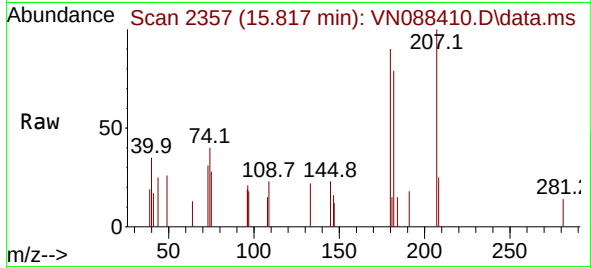
Tgt Ion:128 Resp: 6406
Ion Ratio Lower Upper
128 100
127 14.3 10.4 15.6
129 11.0 9.0 13.6





#96
 1,2,3-Trichlorobenzene
 Concen: 0.724 ug/l
 RT: 15.817 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN088410.D
 Acq: 02 Dec 2025 15:42

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



Tgt Ion	Ratio	Lower	Upper
180	100		
182	72.7	45.9	137.7
145	27.1	17.8	53.4

Manual Integrations
 APPROVED

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

