

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
 Data File : VN088043.D
 Acq On : 08 Oct 2025 16:02
 Operator : JC\MD
 Sample : Q2893-08 5.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2025

Quant Time: Oct 09 02:58:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 09 02:36:32 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025

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

Internal Standards						
1) Bromochloromethane	7.794	128	65057	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	361861	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	325562	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	153991	30.398	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.333%			
60) 4-Bromofluorobenzene	12.829	95	157611	29.366	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.900%			
63) Toluene-d8	10.547	98	439427	30.295	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.967%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	16238	4.358	ug/l	80
3) Chloromethane	2.383	50	20781m	4.919	ug/l	
4) Vinyl Chloride	2.542	62	20543	4.664	ug/l	97
5) Bromomethane	2.983	94	14945	6.309	ug/l	94
6) Chloroethane	3.142	64	13446	4.627	ug/l	91
7) Trichlorofluoromethane	3.506	101	29632	4.947	ug/l	88
8) Diethyl Ether	3.965	74	14576	5.385	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	16113m	5.025	ug/l	
10) 1,1-Dichloroethene	4.342	96	16107	4.709	ug/l #	71
11) Methyl Iodide	4.577	142	10847m	3.441	ug/l	
12) Methyl Acetate	5.012	43	28448	5.116	ug/l #	84
13) Acrolein	4.183	56	15635	18.169	ug/l #	1
14) Acrylonitrile	5.712	53	63933	23.824	ug/l	98
15) Acetone	4.424	58	19028	24.212	ug/l	75
16) Carbon Disulfide	4.706	76	53568	4.996	ug/l	95
17) Allyl chloride	5.018	41	36437m	5.645	ug/l	
18) Methylene Chloride	5.259	84	22561	5.189	ug/l #	86
19) trans-1,2-Dichloroethene	5.777	96	20948	5.297	ug/l	95
20) Diisopropyl ether	6.665	45	67417	4.588	ug/l	95
21) 1,1-Dichloroethane	6.547	63	35861	4.688	ug/l	95
22) cis-1,2-Dichloroethene	7.471	96	25299	5.110	ug/l	95
23) tert-Butyl Alcohol	5.530	59	25966	24.126	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	71236	4.825	ug/l	97
25) Chloroform	7.947	83	38759	4.910	ug/l	98
26) Cyclohexane	8.235	56	30537	4.818	ug/l #	94
29) 1,1-Dichloropropene	8.353	75	25177	4.854	ug/l	91
30) 2-Butanone	7.471	43	87546	22.885	ug/l #	82
31) 2,2-Dichloropropane	7.477	77	29867	4.469	ug/l	91
32) 1,1,1-Trichloroethane	8.147	97	32922	5.080	ug/l	97
33) Carbon Tetrachloride	8.341	117	27016	4.976	ug/l	97
34) Benzene	8.588	78	84408	4.906	ug/l #	90
35) Methacrylonitrile	7.765	41	19327	4.804	ug/l	93
36) 1,2-Dichloroethane	8.647	62	28124	4.709	ug/l #	93
37) Trichloroethene	9.335	130	19715	4.837	ug/l	96
38) Methylcyclohexane	9.576	83	30563	4.771	ug/l	99
39) 1,2-Dichloropropane	9.600	63	20389	4.726	ug/l #	83
40) Dibromomethane	9.694	93	16003	5.096	ug/l	96
41) Bromodichloromethane	9.871	83	31430	4.901	ug/l	98
42) Vinyl Acetate	6.594	43	322207	24.724	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	33209	4.516	ug/l	97
44) Isopropyl Acetate	8.671	43	56864	4.734	ug/l	95
45) 1,4-Dioxane	9.688	88	6928	86.727	ug/l #	93
46) Methyl methacrylate	9.671	41	25937	4.904	ug/l	97
47) n-amyl Acetate	12.959	43	27557m	4.841	ug/l	
48) t-1,3-Dichloropropene	10.818	75	32929	4.617	ug/l	94
49) cis-1,3-Dichloropropene	10.294	75	34591	4.650	ug/l	91
50) 1,1,2-Trichloroethane	10.994	97	20059	4.824	ug/l	95
51) Ethyl methacrylate	10.859	69	32187	4.573	ug/l	95
52) 1,3-Dichloropropane	11.147	76	34961	4.819	ug/l	99
53) Dibromochloromethane	11.335	129	22140	4.453	ug/l	98
54) 1,2-Dibromoethane	11.447	107	21081	4.742	ug/l	97
55) 2-Chloroethyl vinyl ether	10.141	63	80233	21.121	ug/l	99
56) Bromoform	12.565	173	14935	4.444	ug/l #	96
58) 4-Methyl-2-Pentanone	10.423	43	169403	23.263	ug/l	97
59) 2-Hexanone	11.182	43	91438	19.018	ug/l	95
61) Tetrachloroethene	11.082	164	15873	4.815	ug/l	94
62) Toluene	10.612	91	88137	4.773	ug/l	98
64) Chlorobenzene	11.865	112	58374	4.949	ug/l	91
65) 1,1,1,2-Tetrachloroethane	11.941	131	18234	4.486	ug/l	87
66) Ethyl Benzene	11.947	91	97291	4.845	ug/l	98
67) m/p-Xylenes	12.053	106	73850	9.540	ug/l	99
68) o-Xylene	12.376	106	37966	4.927	ug/l	97
69) Styrene	12.394	104	56067	4.398	ug/l	98
70) Isopropylbenzene	12.676	105	93065	4.927	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.917	83	29996	4.684	ug/l #	98
72) 1,2,3-Trichloropropane	12.970	75	29068m	4.888	ug/l	
73) Bromobenzene	12.959	156	21170	4.586	ug/l	97
74) n-propylbenzene	13.012	91	106424	4.668	ug/l	100
75) 2-Chlorotoluene	13.106	91	69567	4.990	ug/l	95
76) 1,3,5-Trimethylbenzene	13.153	105	77051	4.803	ug/l	95
77) t-1,4-Dichloro-2-butene	12.717	75	8859m	3.738	ug/l	
78) 4-Chlorotoluene	13.200	91	71542	5.051	ug/l	97
79) tert-butylbenzene	13.412	119	67015	4.818	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	75720	4.715	ug/l	98
81) sec-Butylbenzene	13.594	105	95520	4.885	ug/l	97
82) p-Isopropyltoluene	13.706	119	80276	4.808	ug/l	99
83) 1,3-Dichlorobenzene	13.711	146	40521	4.665	ug/l	97
84) 1,4-Dichlorobenzene	13.794	146	46942	5.240	ug/l	95
85) n-Butylbenzene	14.029	91	73887	4.757	ug/l	100
86) Hexachloroethane	14.311	117	15548	4.649	ug/l	97
87) 1,2-Dichlorobenzene	14.088	146	40934	4.791	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.706	75	6984	4.749	ug/l #	81
89) 1,2,4-Trichlorobenzene	15.811	180	23331	4.585	ug/l	99
90) Hexachlorobutadiene	15.470	225	8735	4.932	ug/l	97
91) Naphthalene	15.617	128	87302	4.686	ug/l	98
92) 1,2,3-Trichlorobenzene	15.811	180	23331	4.585	ug/l	99

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

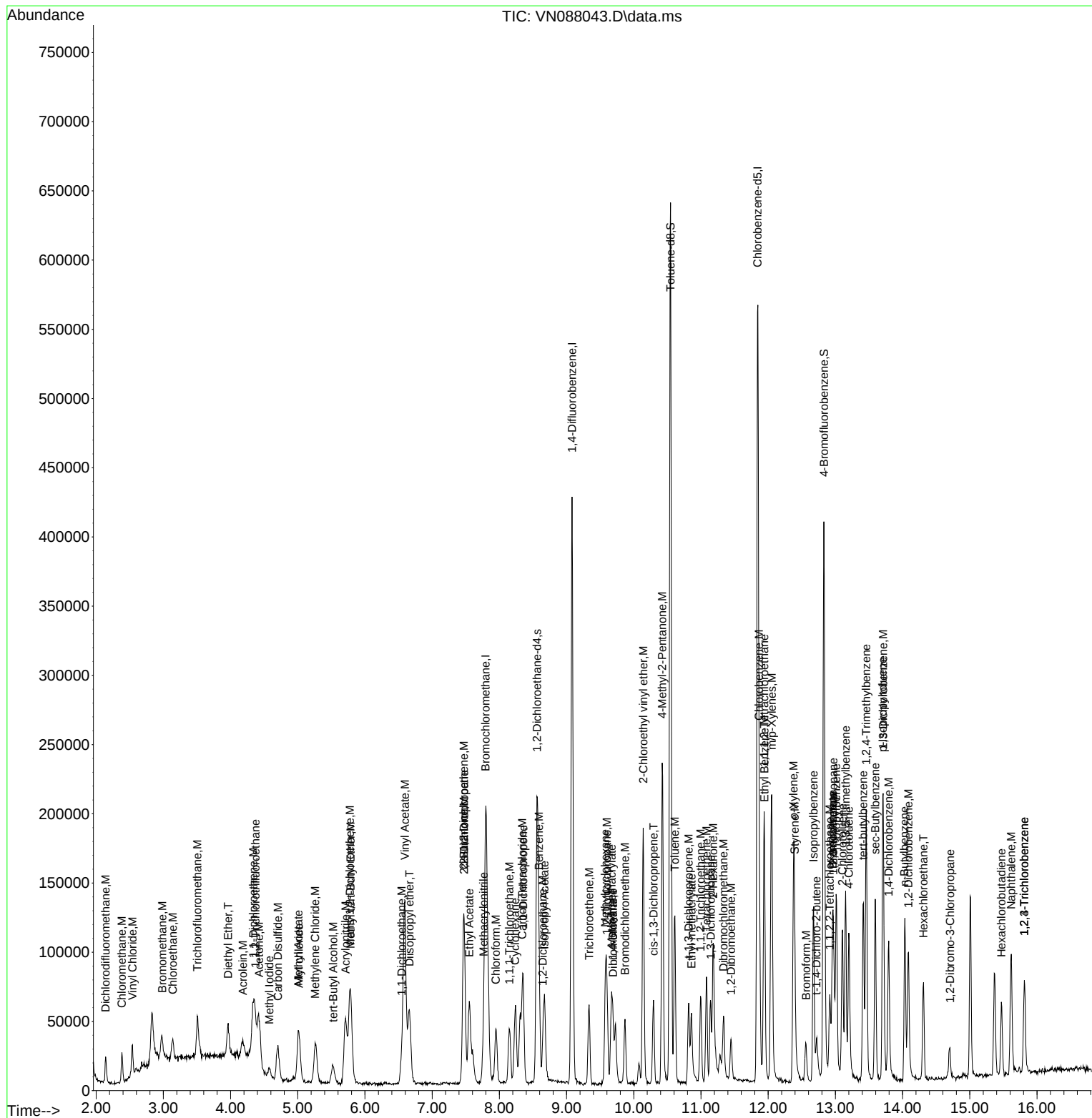
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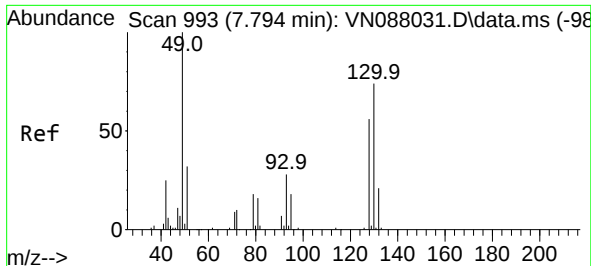
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MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025

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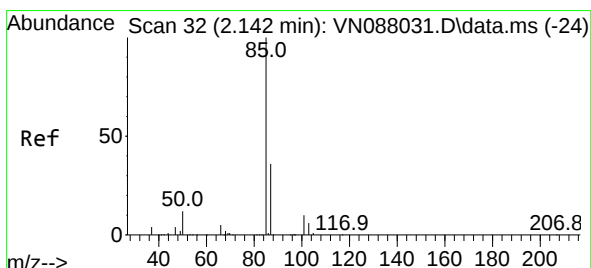
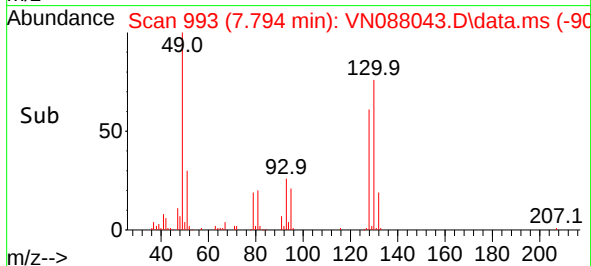
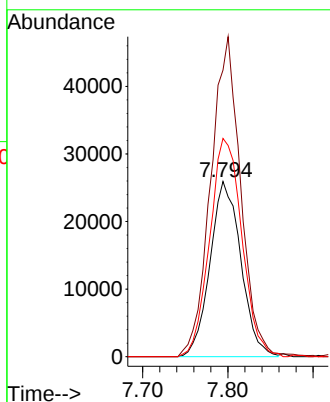
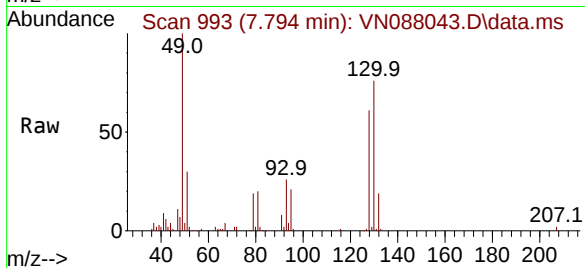
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025

Tgt Ion:128 Resp: 6505
Ion Ratio Lower Upper
128 100
49 178.1 0.0 439.8
130 130.4 0.0 325.8

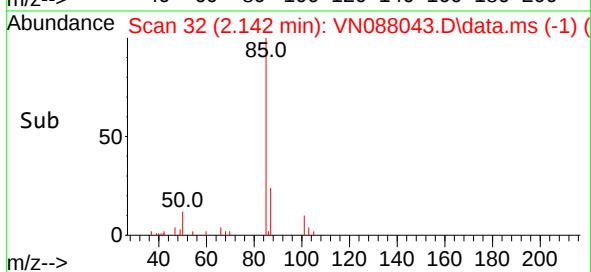
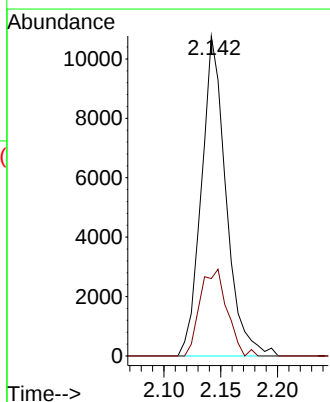
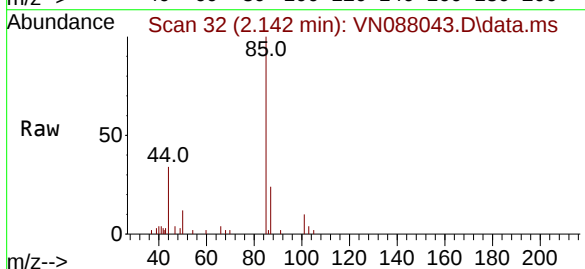
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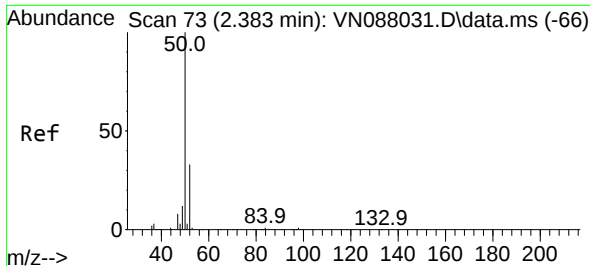
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 4.358 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

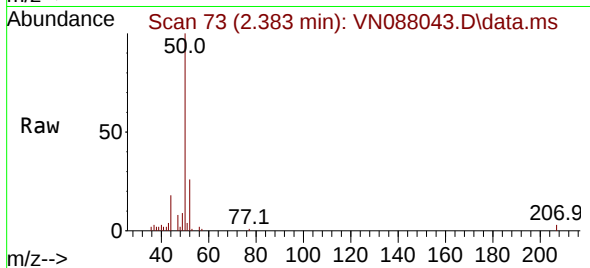
Tgt Ion: 85 Resp: 16238
Ion Ratio Lower Upper
85 100
87 24.2 17.9 53.8





#3
Chloromethane
Concen: 4.919 ug/l m
RT: 2.383 min Scan# 73
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

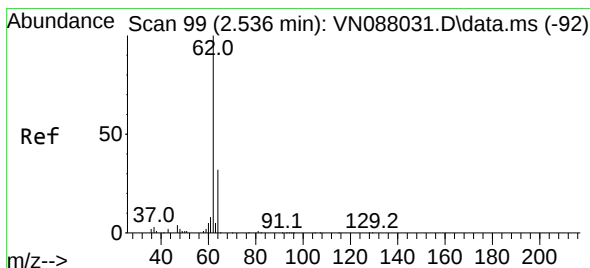
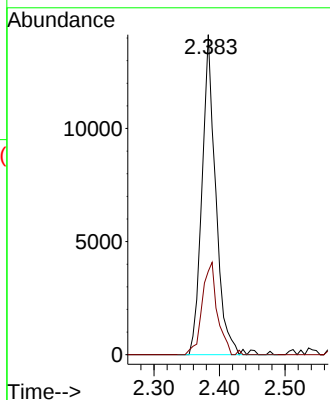
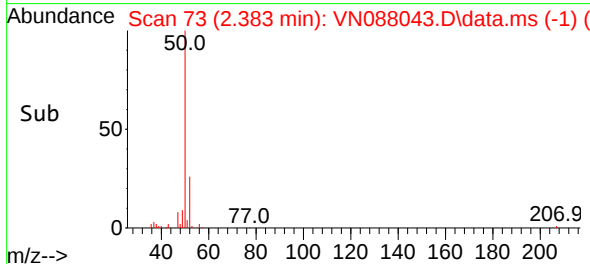
Instrument :
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ClientSampleId :
LOQ-WATER-02-QT3-2025



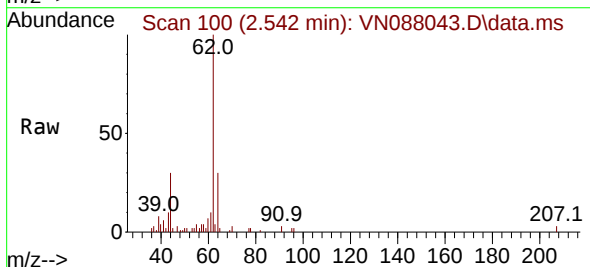
Tgt Ion: 50 Resp: 2078
Ion Ratio Lower Upper
50 100
52 26.1 26.3 39.5

Manual Integrations
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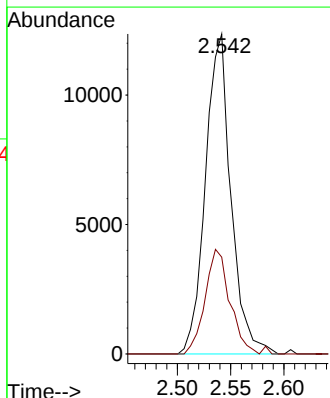
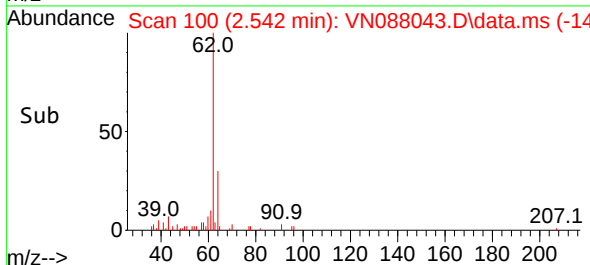
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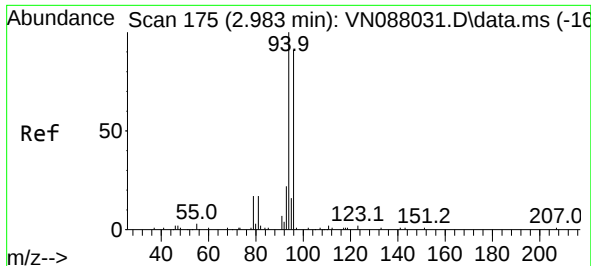


#4
Vinyl Chloride
Concen: 4.664 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02



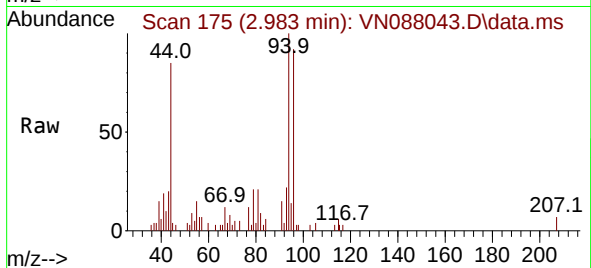
Tgt Ion: 62 Resp: 20543
Ion Ratio Lower Upper
62 100
64 30.2 25.7 38.5





#5
Bromomethane
Concen: 6.309 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

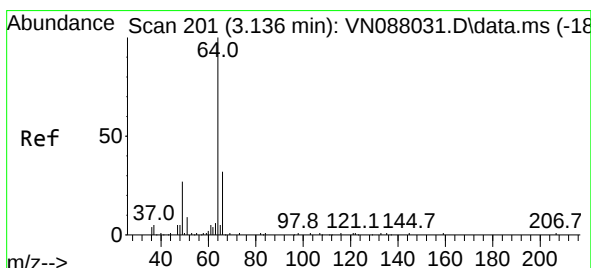
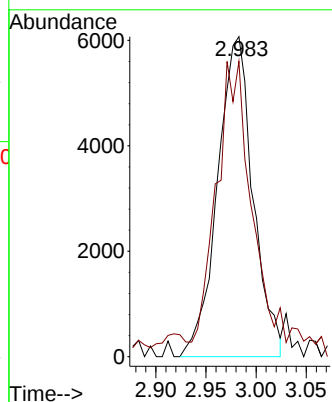
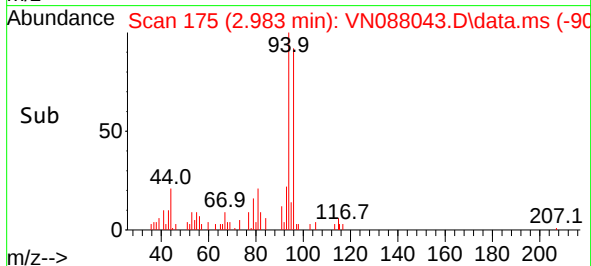
Instrument :
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LOQ-WATER-02-QT3-2025



Tgt Ion: 94 Resp: 1494
Ion Ratio Lower Upper
94 100
96 85.4 73.0 109.4

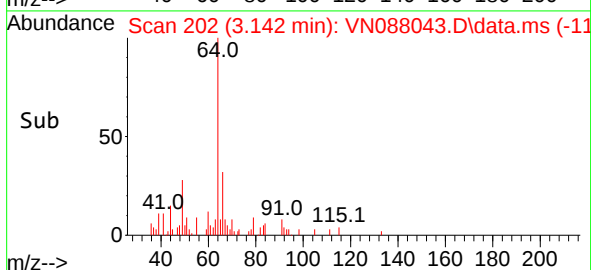
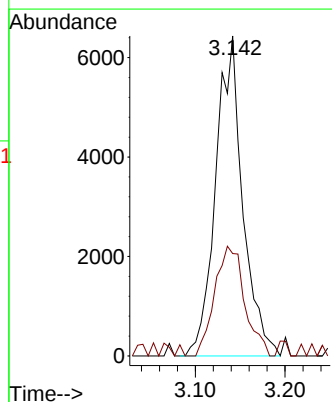
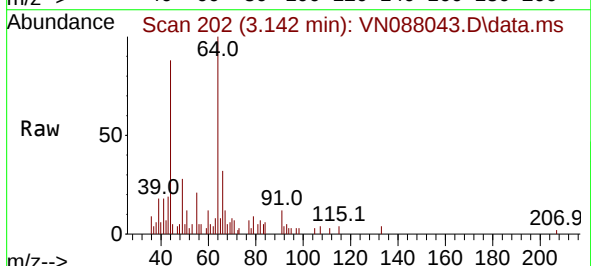
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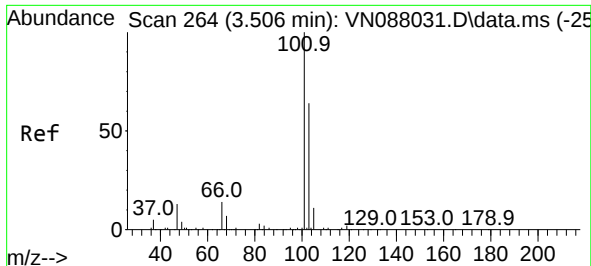
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#6
Chloroethane
Concen: 4.627 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

Tgt Ion: 64 Resp: 13446
Ion Ratio Lower Upper
64 100
66 28.5 26.8 40.2





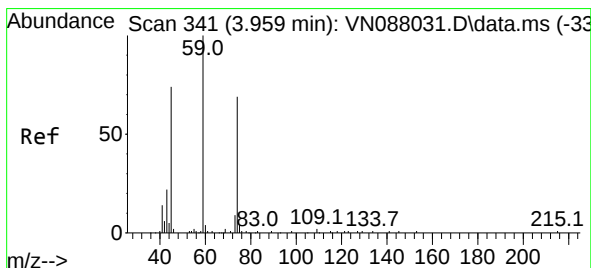
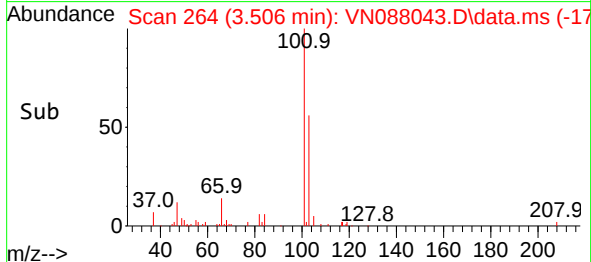
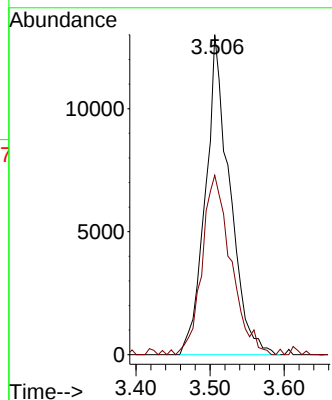
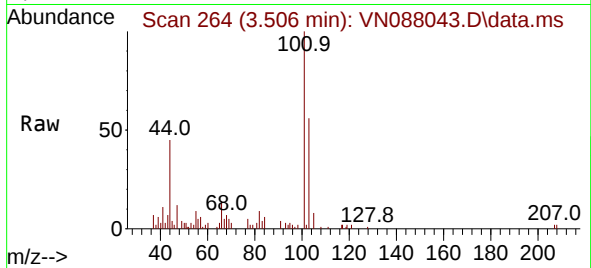
#7
 Trichlorofluoromethane
 Concen: 4.947 ug/l
 RT: 3.506 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN088043.D
 Acq: 08 Oct 2025 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2025

Tgt Ion:101 Resp: 2963
 Ion Ratio Lower Upper
 101 100
 103 54.6 51.0 76.4

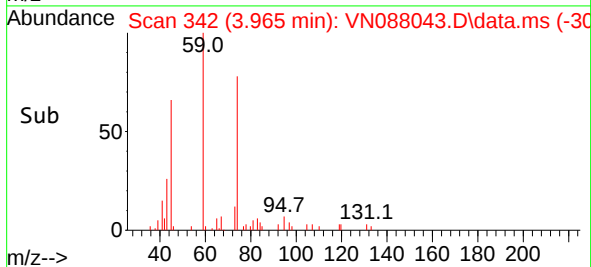
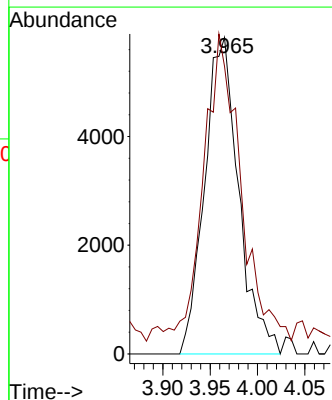
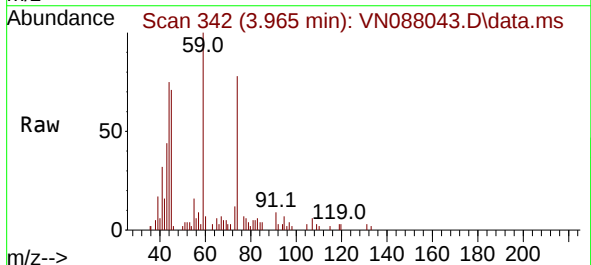
Manual Integrations
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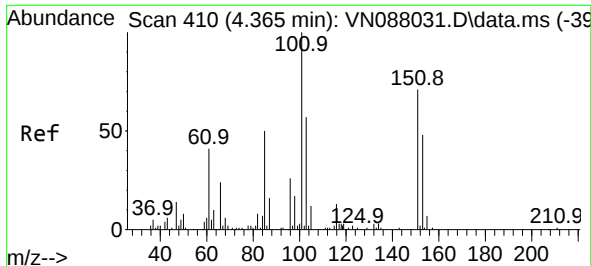
Reviewed By :John Carlone 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#8
 Diethyl Ether
 Concen: 5.385 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.006 min
 Lab File: VN088043.D
 Acq: 08 Oct 2025 16:02

Tgt Ion: 74 Resp: 14576
 Ion Ratio Lower Upper
 74 100
 45 92.3 20.4 183.8





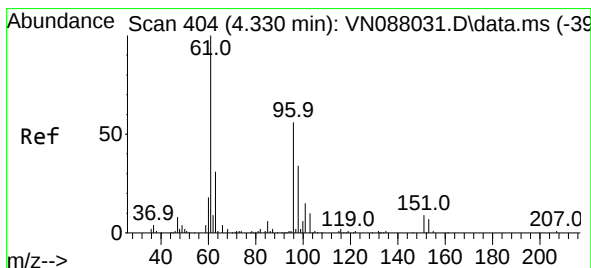
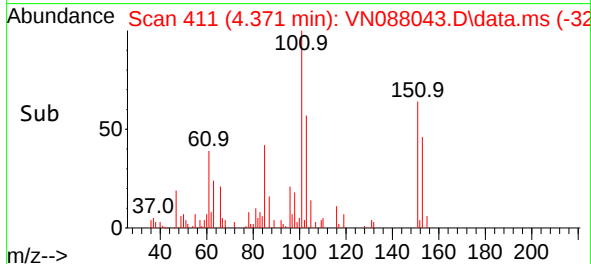
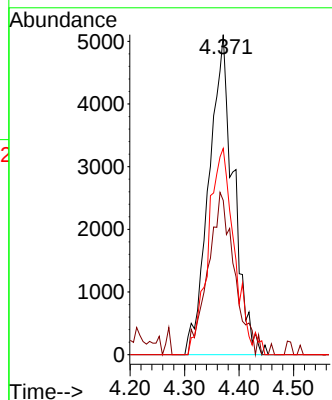
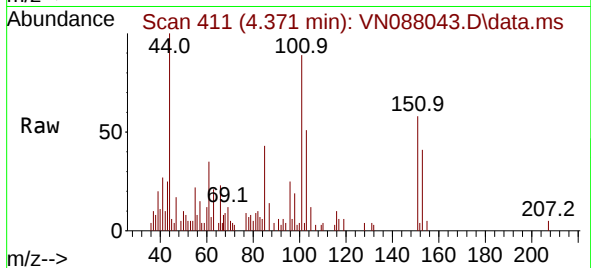
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.025 ug/l m
RT: 4.371 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025

Tgt Ion:101 Resp: 1611
Ion Ratio Lower Upper
101 100
85 51.3 0.0 103.2
151 54.7 0.0 141.4

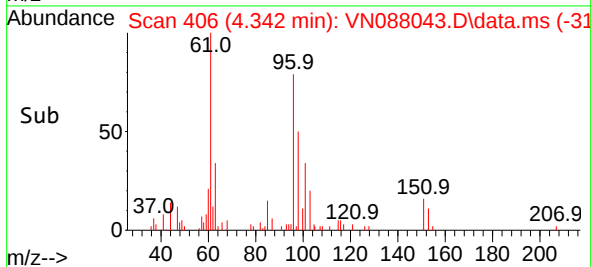
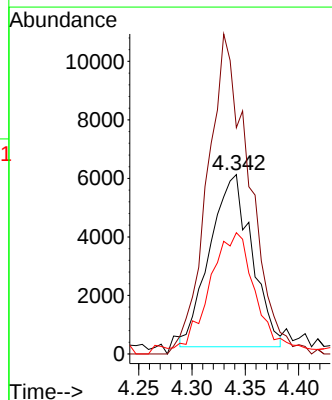
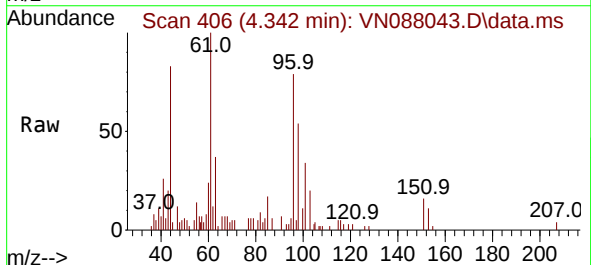
Manual Integrations
APPROVED

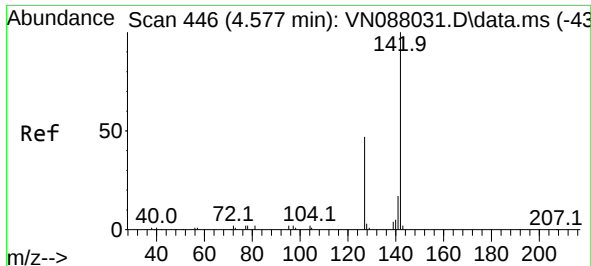
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#10
1,1-Dichloroethene
Concen: 4.709 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

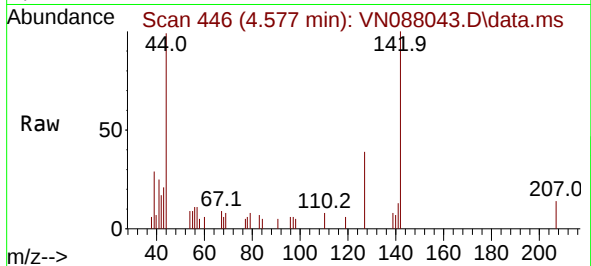
Tgt Ion: 96 Resp: 16107
Ion Ratio Lower Upper
96 100
61 128.6 144.1 216.1#
98 68.2 49.0 73.6





#11
Methyl Iodide
Concen: 3.441 ug/l m
RT: 4.577 min Scan# 446
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

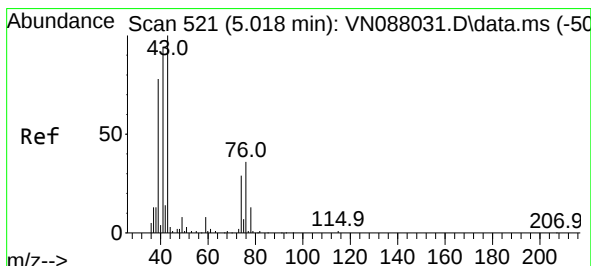
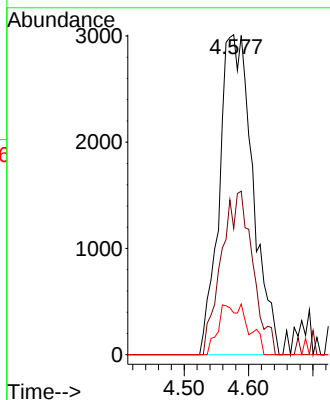
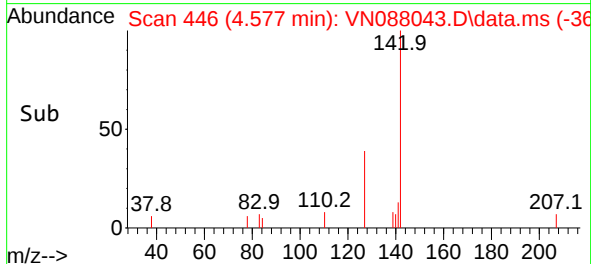
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion:142 Resp: 1084
Ion Ratio Lower Upper
142 100
127 39.4 23.4 70.3
141 13.1 8.8 26.2

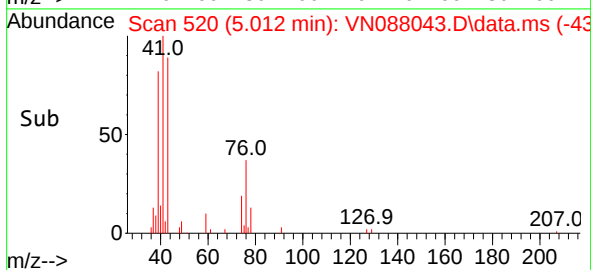
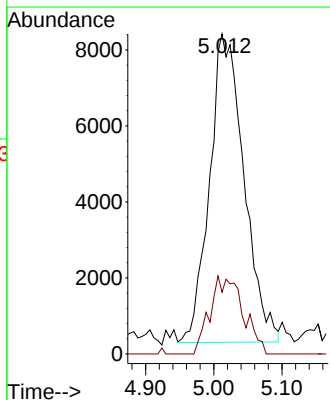
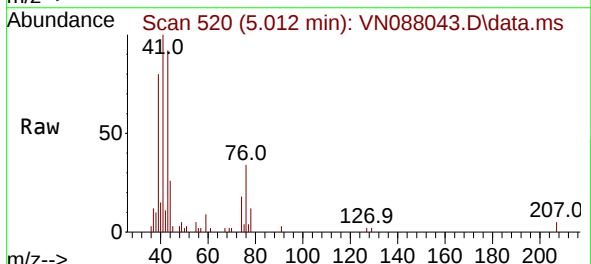
Manual Integrations
APPROVED

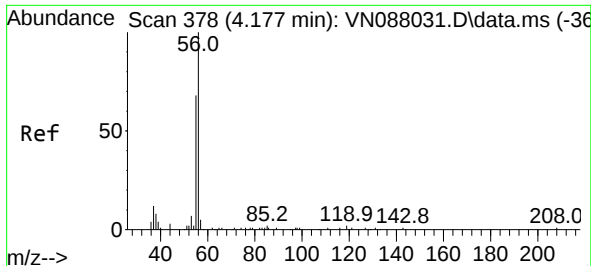
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#12
Methyl Acetate
Concen: 5.116 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

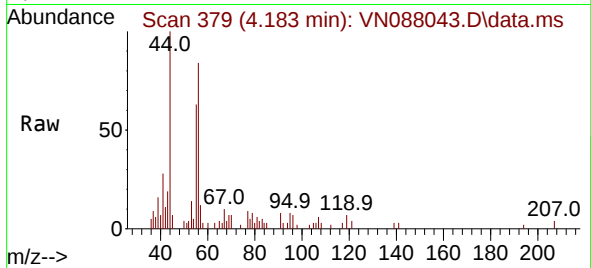
Tgt Ion: 43 Resp: 28448
Ion Ratio Lower Upper
43 100
74 20.4 23.3 34.9#





#13
Acrolein
Concen: 18.169 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

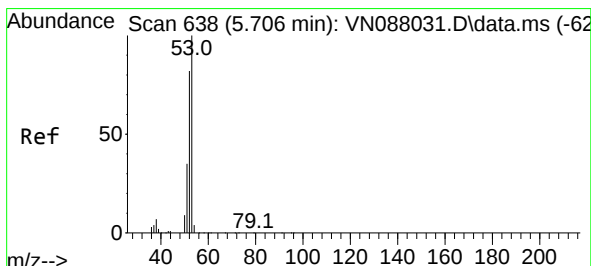
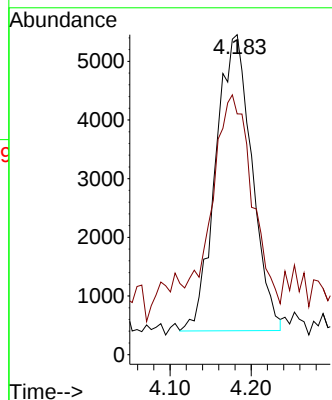
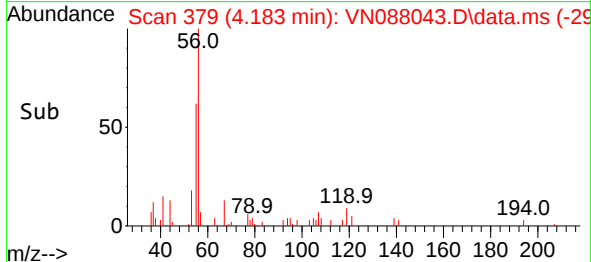
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion: 56 Resp: 1563
Ion Ratio Lower Upper
56 100
55 89.2 0.3 0.5

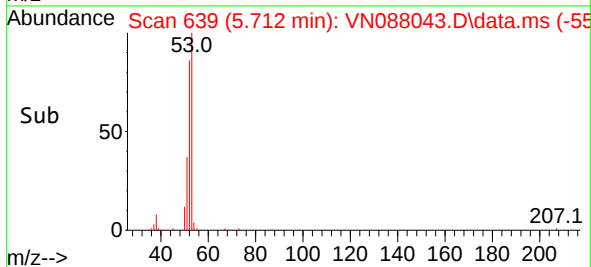
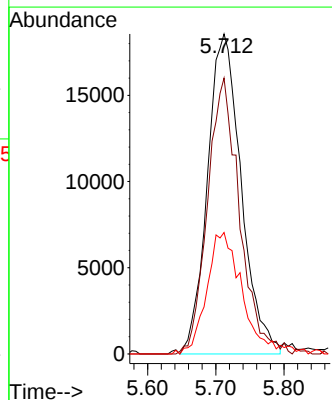
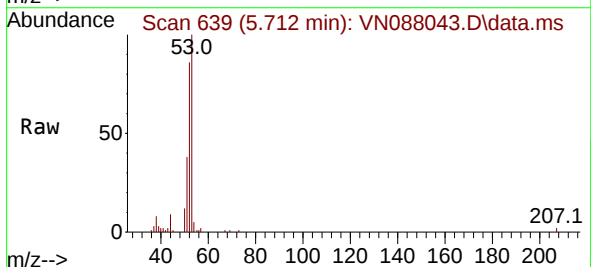
Manual Integrations
APPROVED

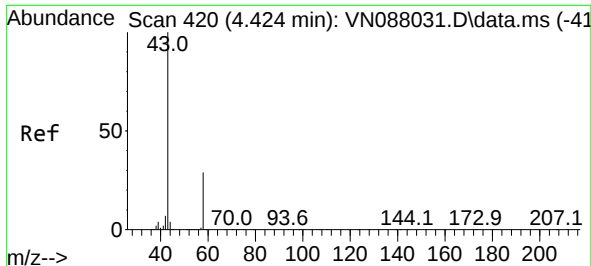
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#14
Acrylonitrile
Concen: 23.824 ug/l
RT: 5.712 min Scan# 639
Delta R.T. 0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

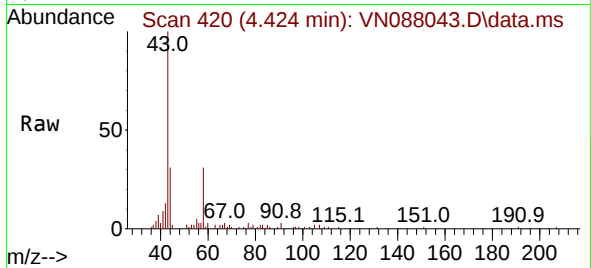
Tgt Ion: 53 Resp: 63933
Ion Ratio Lower Upper
53 100
52 81.8 41.3 124.1
51 38.2 18.0 54.0





#15
Acetone
Concen: 24.212 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

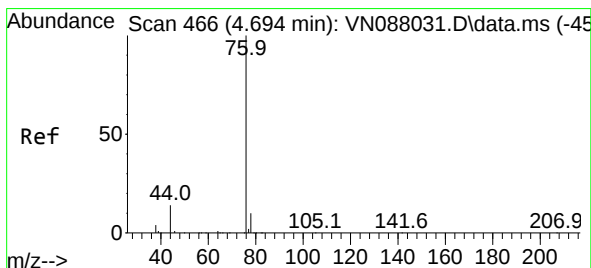
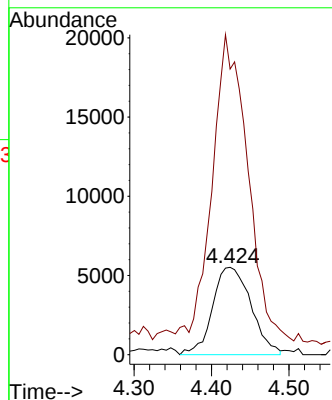
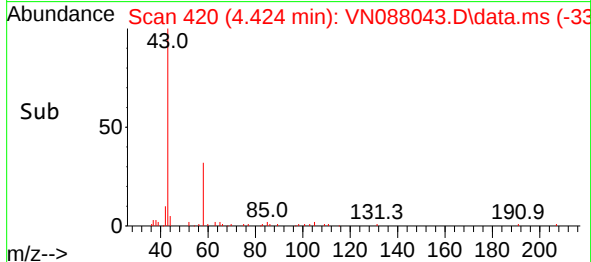
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion: 58 Resp: 19028
Ion Ratio Lower Upper
58 100
43 298.8 282.6 424.0

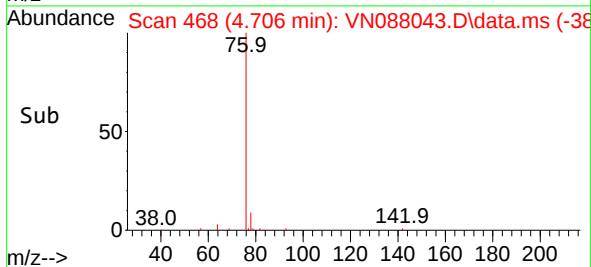
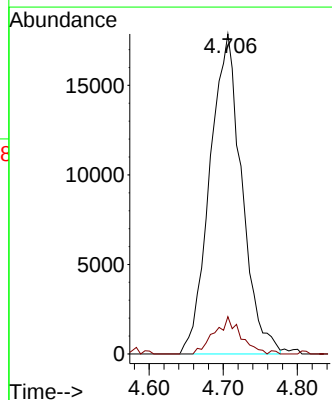
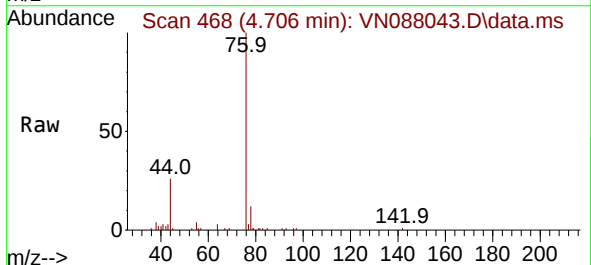
Manual Integrations
APPROVED

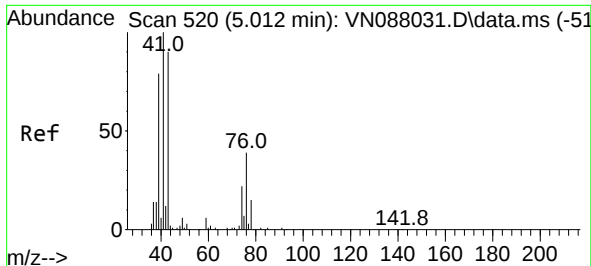
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#16
Carbon Disulfide
Concen: 4.996 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.012 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

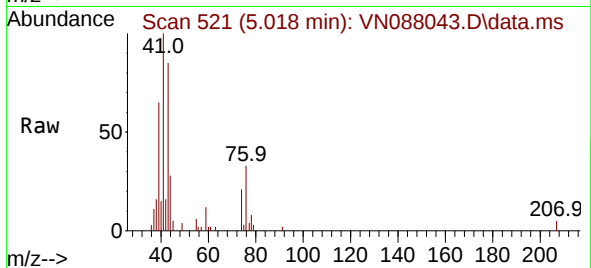
Tgt Ion: 76 Resp: 53568
Ion Ratio Lower Upper
76 100
78 11.7 7.8 11.8





#17
 Allyl chloride
 Concen: 5.645 ug/l m
 RT: 5.018 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN088043.D
 Acq: 08 Oct 2025 16:02

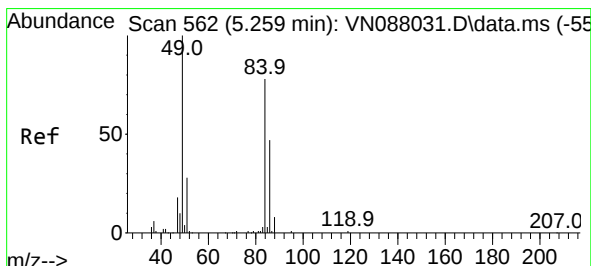
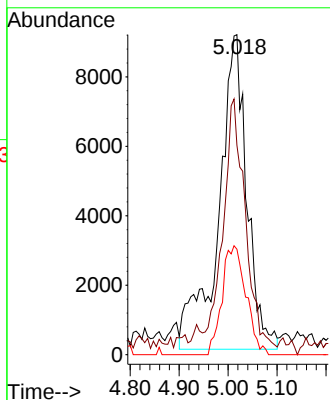
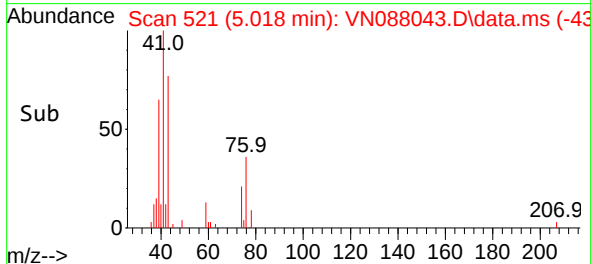
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2025



Tgt Ion: 41 Resp: 3643
 Ion Ratio Lower Upper
 41 100
 39 65.5 36.4 109.2
 76 32.9 18.1 54.1

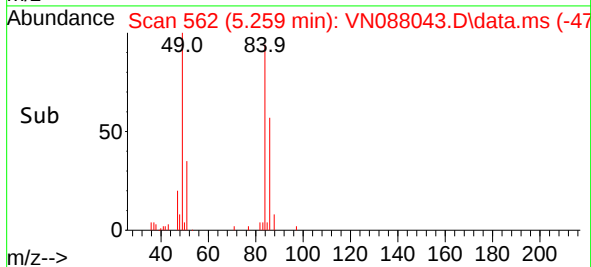
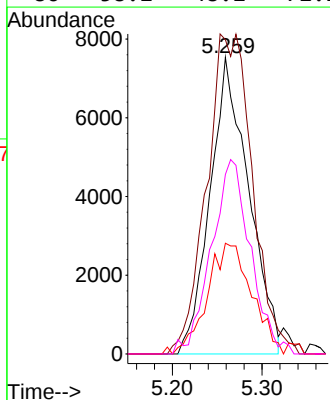
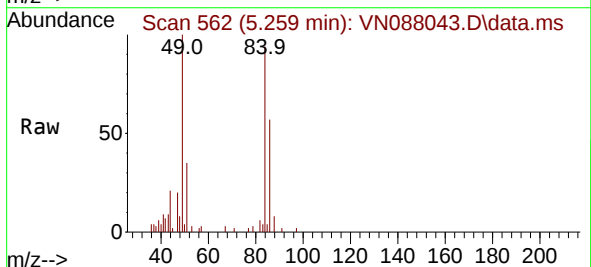
Manual Integrations
 APPROVED

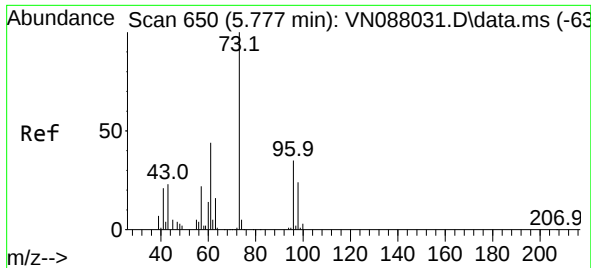
Reviewed By :John Carlone 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#18
 Methylene Chloride
 Concen: 5.189 ug/l
 RT: 5.259 min Scan# 562
 Delta R.T. 0.000 min
 Lab File: VN088043.D
 Acq: 08 Oct 2025 16:02

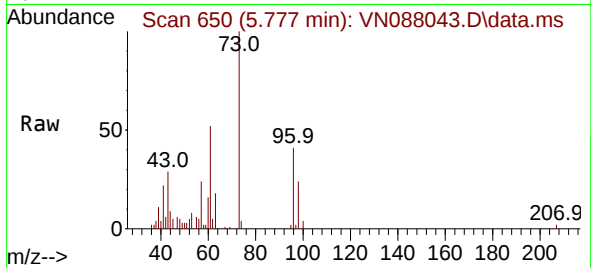
Tgt Ion: 84 Resp: 22561
 Ion Ratio Lower Upper
 84 100
 49 101.7 102.6 153.8#
 51 35.2 28.6 42.8
 86 58.2 48.2 72.2





#19
trans-1,2-Dichloroethene
Concen: 5.297 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

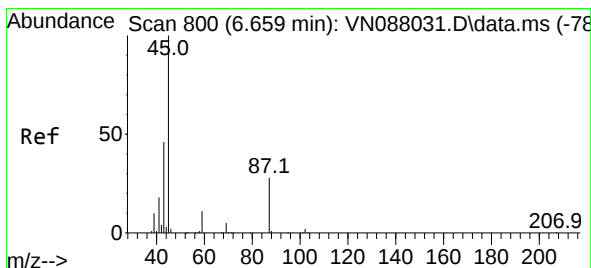
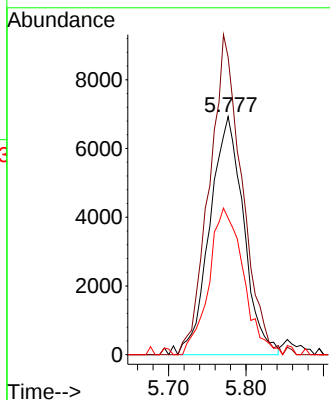
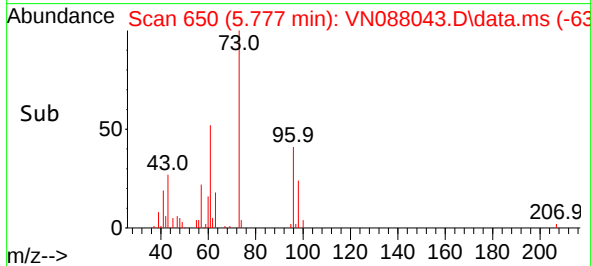
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion: 96 Resp: 20948
Ion Ratio Lower Upper
96 100
61 124.9 100.6 151.0
98 57.4 54.0 81.0

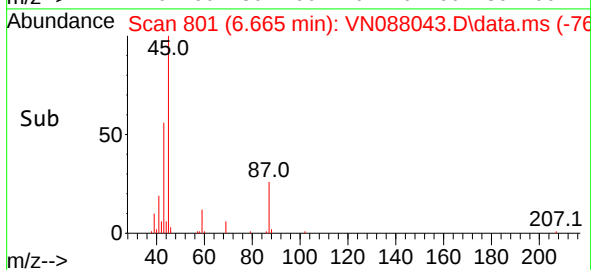
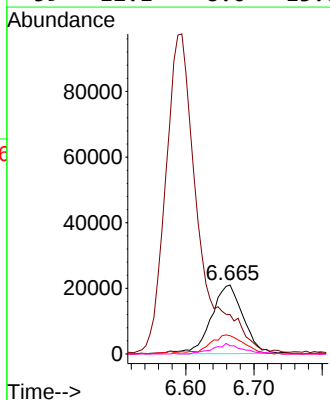
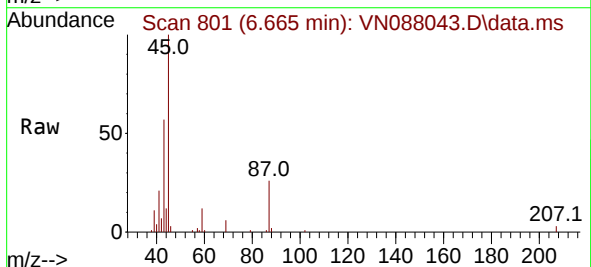
Manual Integrations
APPROVED

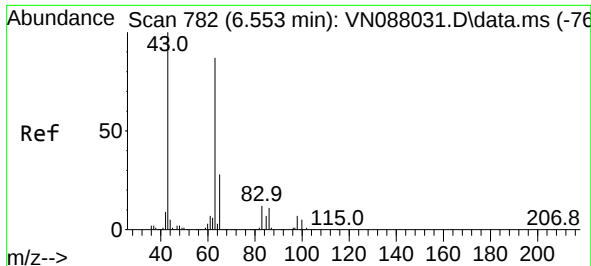
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Diisopropyl ether
Concen: 4.588 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

Tgt Ion: 45 Resp: 67417
Ion Ratio Lower Upper
45 100
43 52.8 46.1 69.1
87 26.0 22.3 33.5
59 12.1 8.6 13.0





#21

1,1-Dichloroethane

Concen: 4.688 ug/l

RT: 6.547 min Scan# 781

Delta R.T. -0.006 min

Lab File: VN088043.D

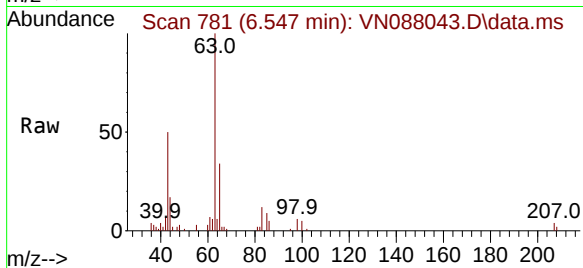
Acq: 08 Oct 2025 16:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2025

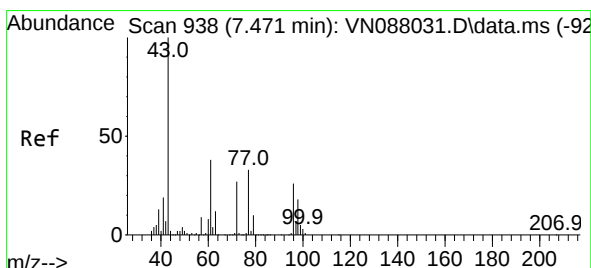
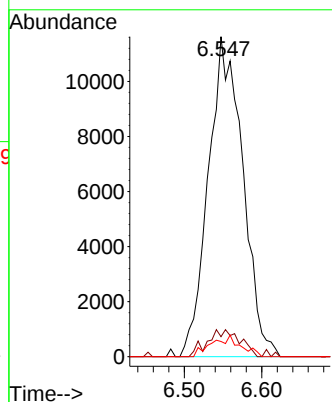
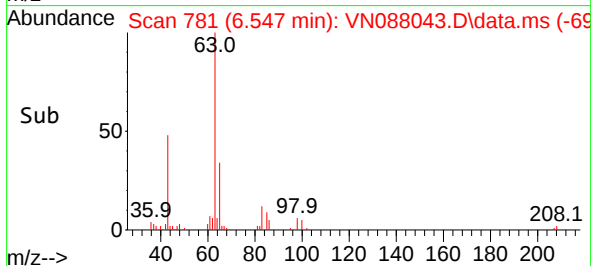


Tgt Ion:	63	Resp:	3586
Ion Ratio	Lower	Upper	
63	100		
98	6.3	4.3	12.8
100	4.7	2.6	8.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#22

cis-1,2-Dichloroethene

Concen: 5.110 ug/l

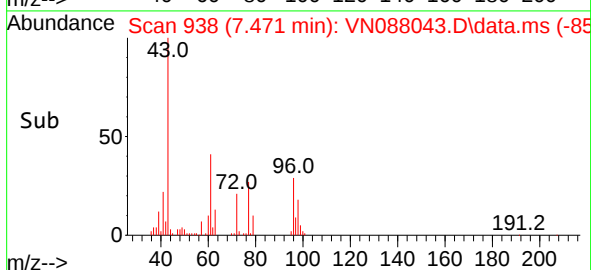
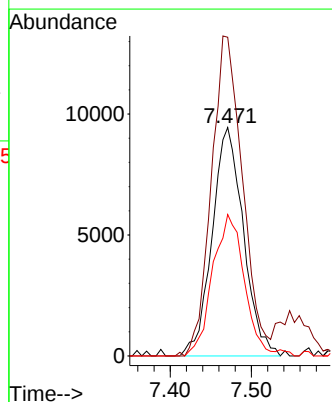
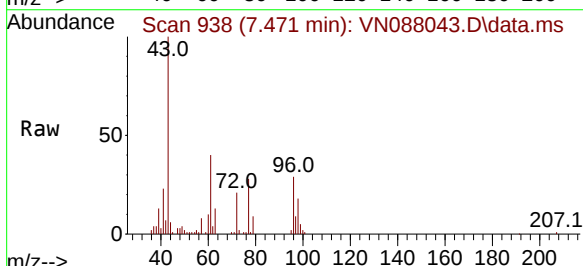
RT: 7.471 min Scan# 938

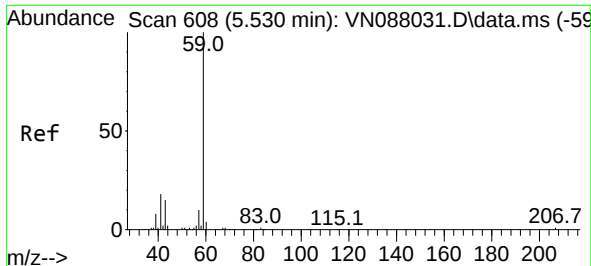
Delta R.T. 0.000 min

Lab File: VN088043.D

Acq: 08 Oct 2025 16:02

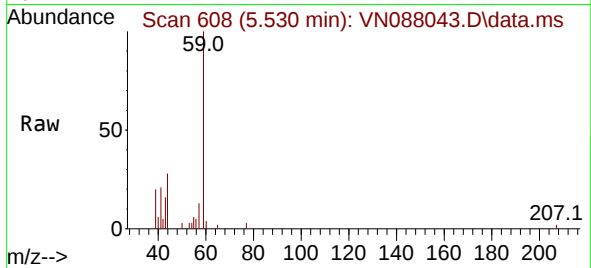
Tgt Ion:	96	Resp:	25299
Ion Ratio	Lower	Upper	
96	100		
61	139.3	117.0	175.6
98	62.3	52.6	79.0





#23
tert-Butyl Alcohol
Concen: 24.126 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

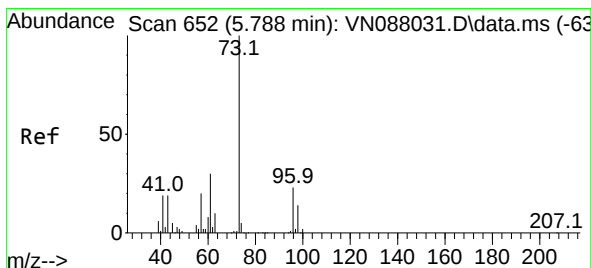
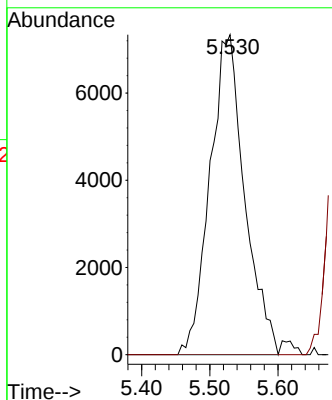
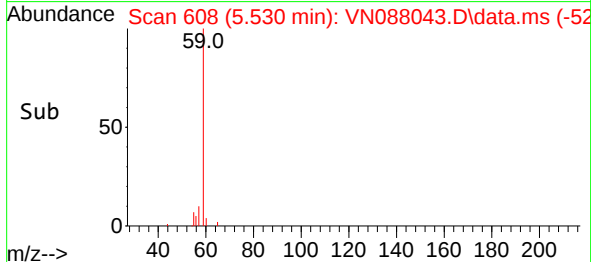
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



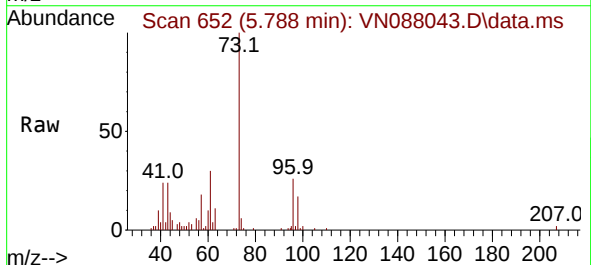
Tgt Ion: 59 Resp: 2596
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
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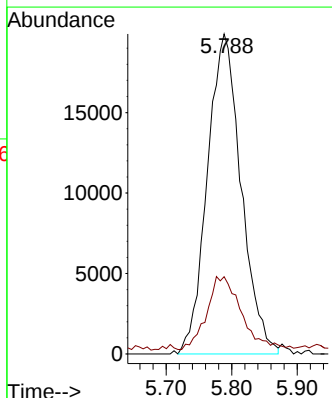
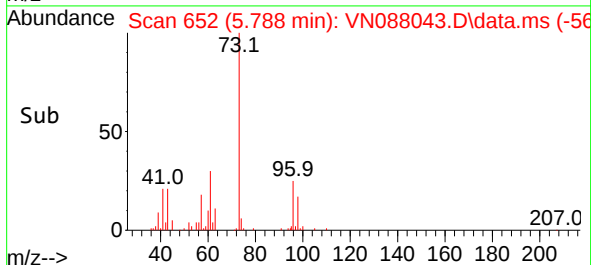
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

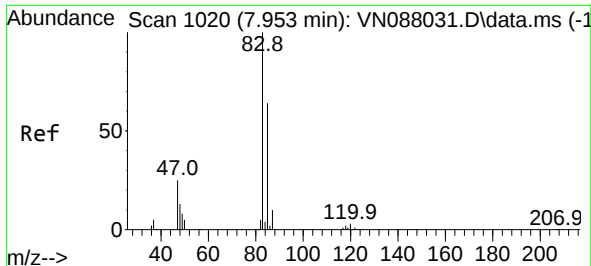


#24
Methyl tert-Butyl Ether
Concen: 4.825 ug/l
RT: 5.788 min Scan# 652
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02



Tgt Ion: 73 Resp: 71236
Ion Ratio Lower Upper
73 100
43 22.7 17.0 25.4





#25

Chloroform

Concen: 4.910 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VN088043.D

Acq: 08 Oct 2025 16:02

Instrument :

MSVOA_N

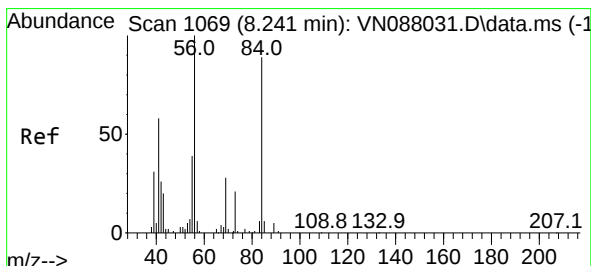
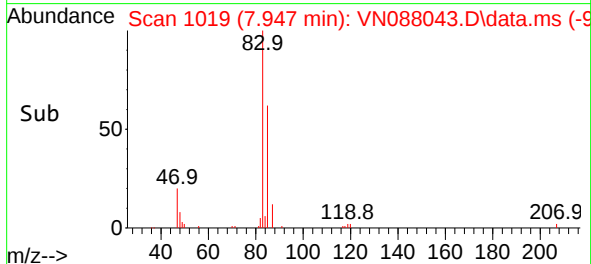
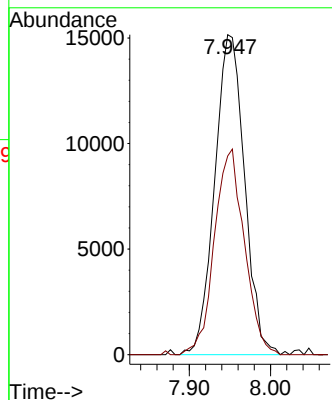
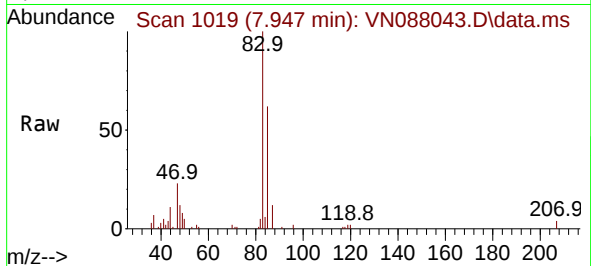
ClientSampleId :

LOQ-WATER-02-QT3-2025

Tgt Ion: 83 Resp: 38759
 Ion Ratio Lower Upper
 83 100
 85 62.1 50.9 76.3

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#26

Cyclohexane

Concen: 4.818 ug/l

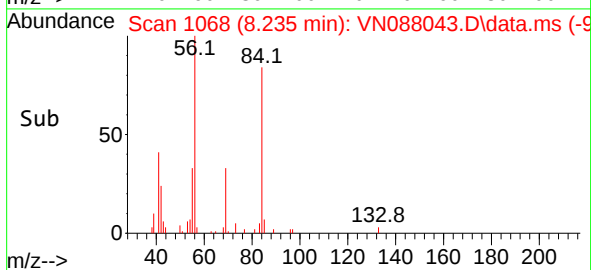
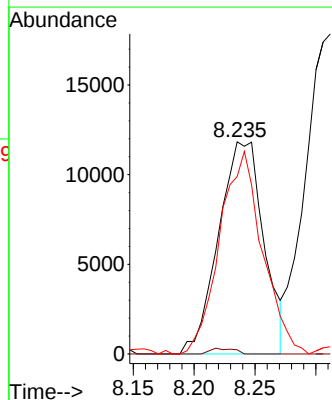
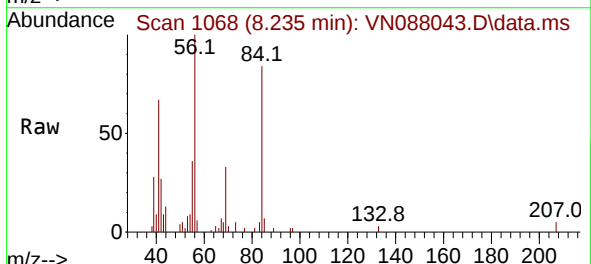
RT: 8.235 min Scan# 1068

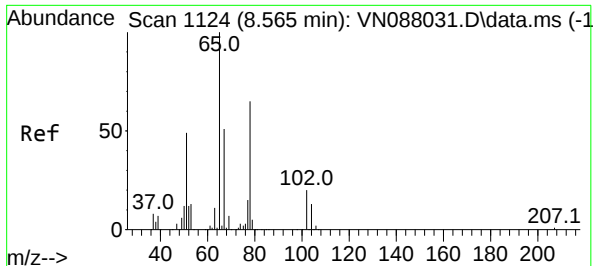
Delta R.T. -0.006 min

Lab File: VN088043.D

Acq: 08 Oct 2025 16:02

Tgt Ion: 56 Resp: 30537
 Ion Ratio Lower Upper
 56 100
 89 0.8 8.6 12.8#
 84 90.2 69.6 104.4





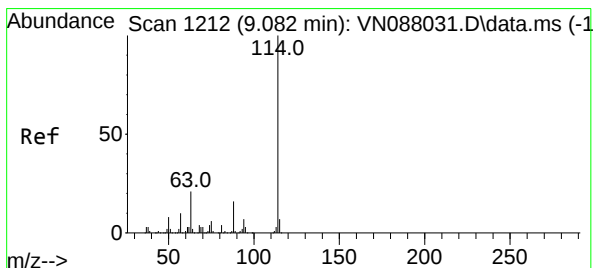
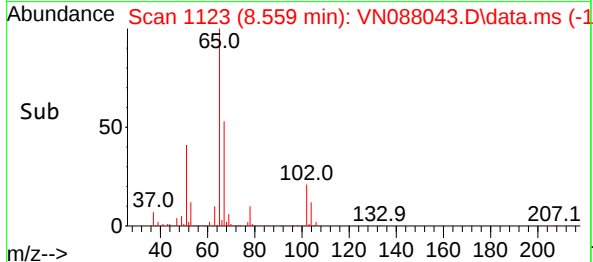
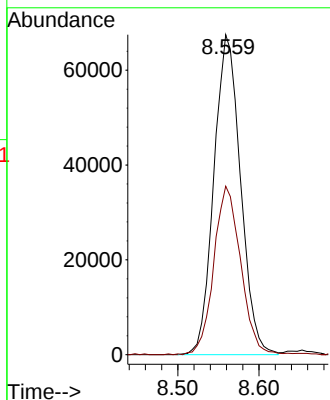
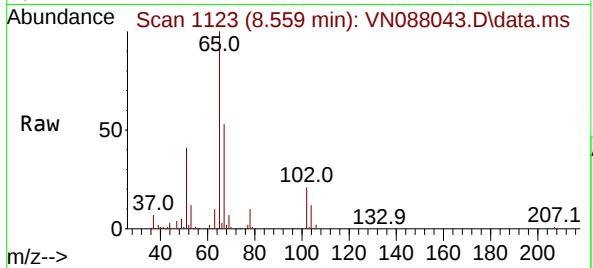
#27
1,2-Dichloroethane-d4
Concen: 30.398 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2025

Tgt Ion: 65 Resp: 15399
Ion Ratio Lower Upper
65 100
67 53.0 41.9 62.9

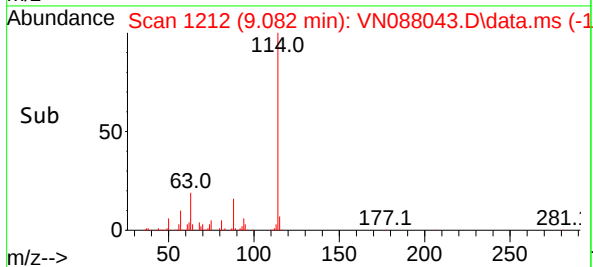
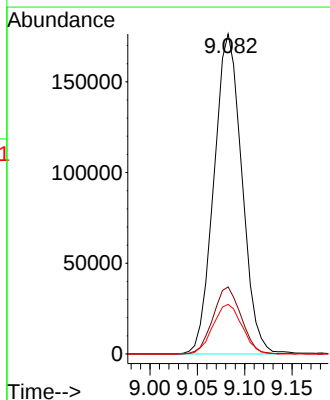
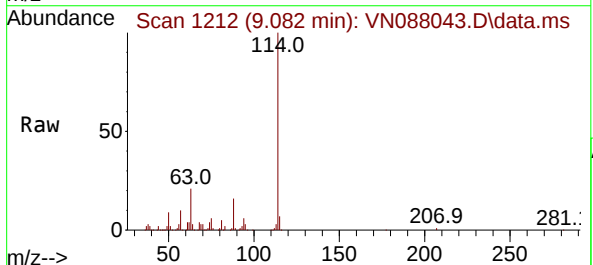
Manual Integrations
APPROVED

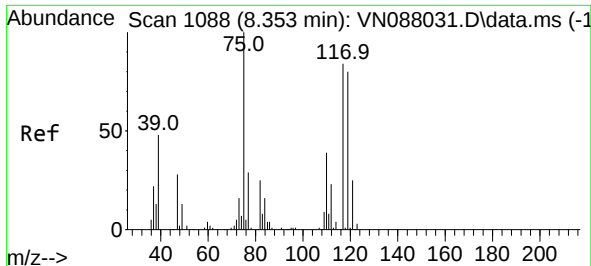
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

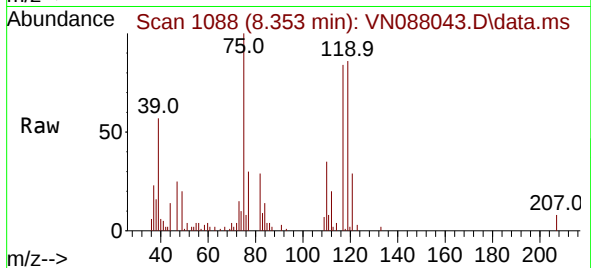
Tgt Ion:114 Resp: 361861
Ion Ratio Lower Upper
114 100
63 21.0 16.6 25.0
88 16.2 12.6 18.8





#29
1,1-Dichloropropene
Concen: 4.854 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

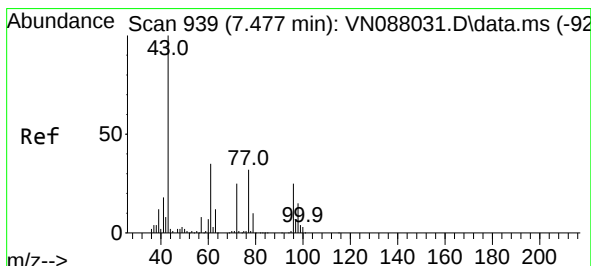
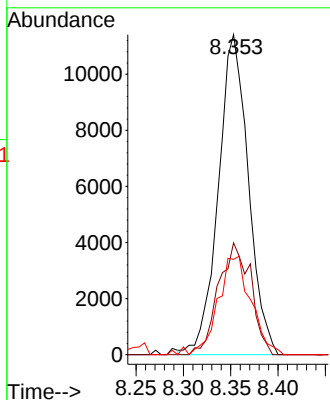
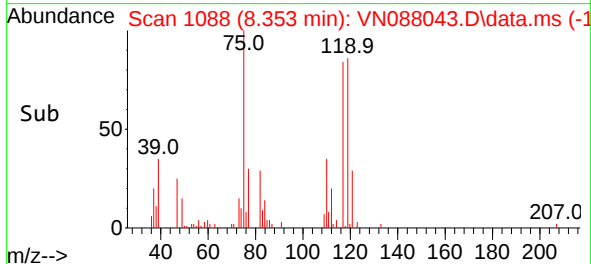
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion: 75 Resp: 2517
Ion Ratio Lower Upper
75 100
110 29.5 0.0 72.2
77 33.5 0.0 60.6

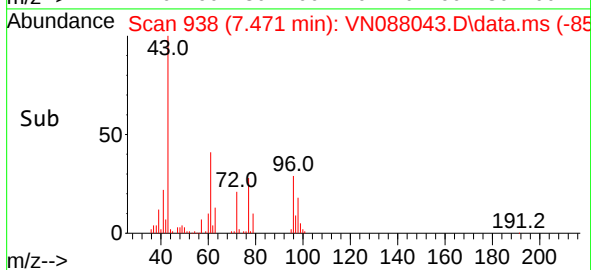
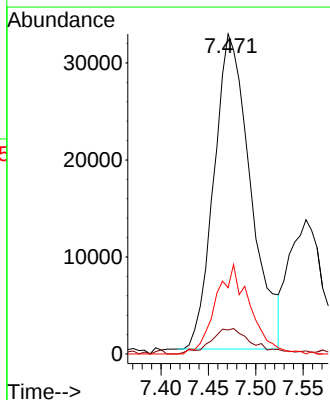
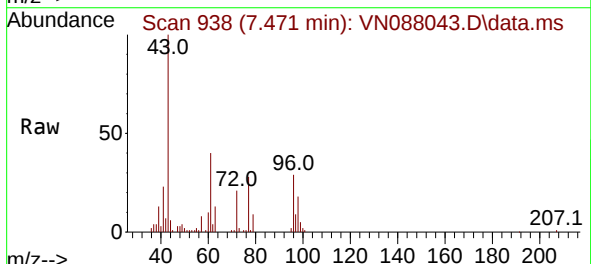
Manual Integrations
APPROVED

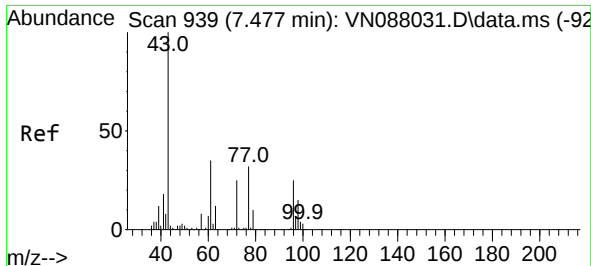
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#30
2-Butanone
Concen: 22.885 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

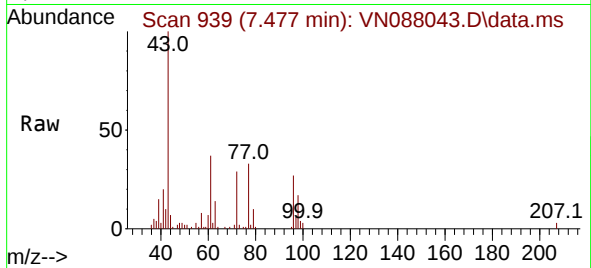
Tgt Ion: 43 Resp: 87546
Ion Ratio Lower Upper
43 100
57 7.4 6.5 9.7
72 14.9 21.4 32.2#





#31
2,2-Dichloropropane
Concen: 4.469 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

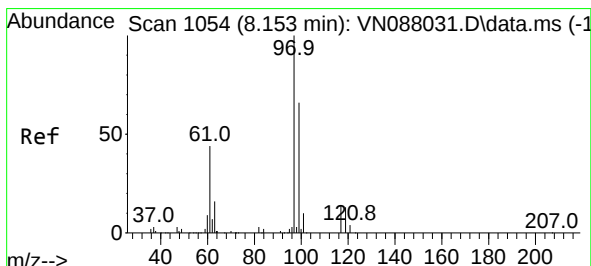
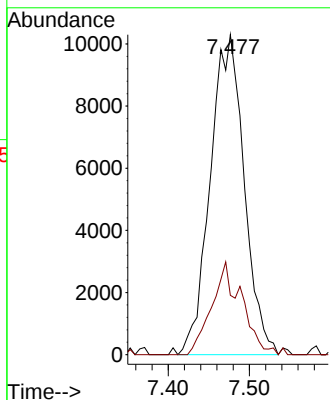
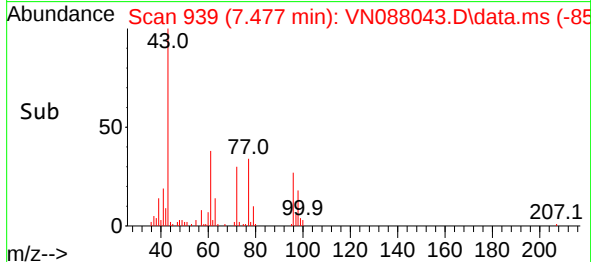
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



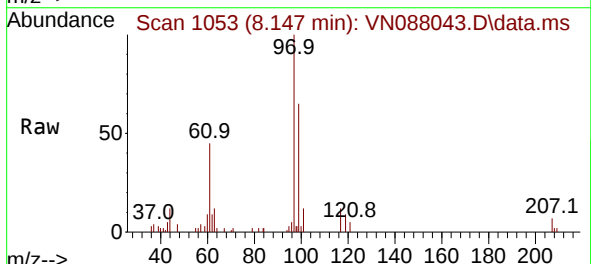
Tgt Ion: 77 Resp: 2986
Ion Ratio Lower Upper
77 100
97 18.0 17.8 26.8

Manual Integrations
APPROVED

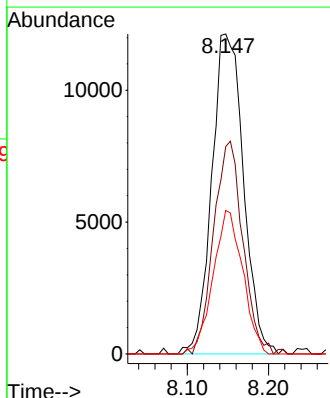
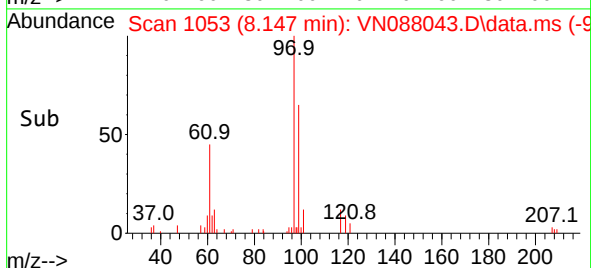
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

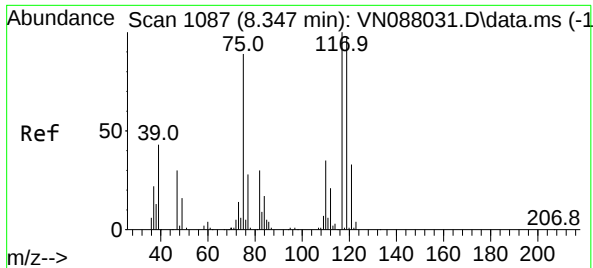


#32
1,1,1-Trichloroethane
Concen: 5.080 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02



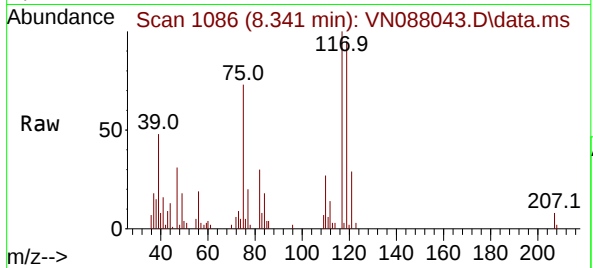
Tgt Ion: 97 Resp: 32922
Ion Ratio Lower Upper
97 100
99 60.9 51.4 77.2
61 42.0 34.7 52.1





#33
Carbon Tetrachloride
Concen: 4.976 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. -0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

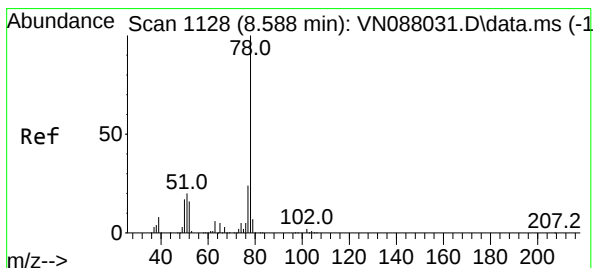
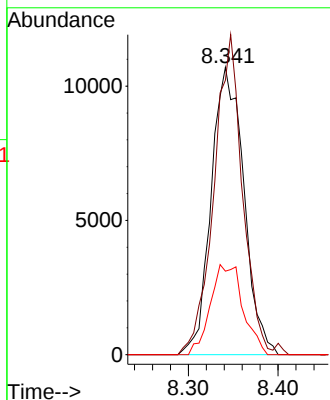
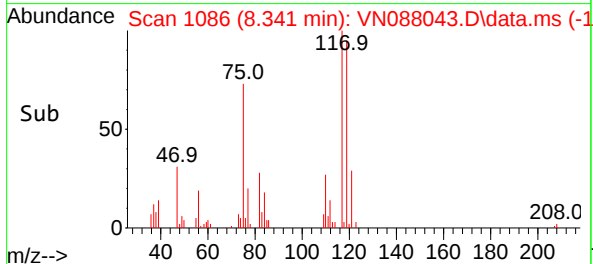
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2025



Tgt Ion: 117 Resp: 27010
Ion Ratio Lower Upper
117 100
119 95.5 77.9 116.9
121 29.0 26.4 39.6

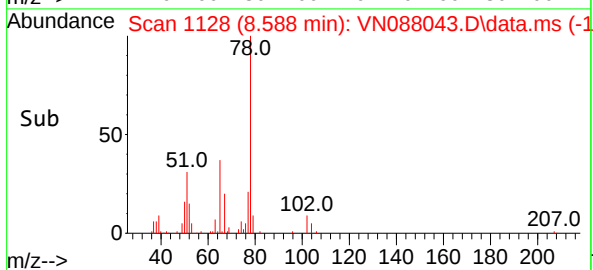
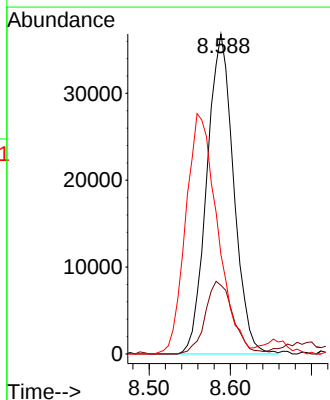
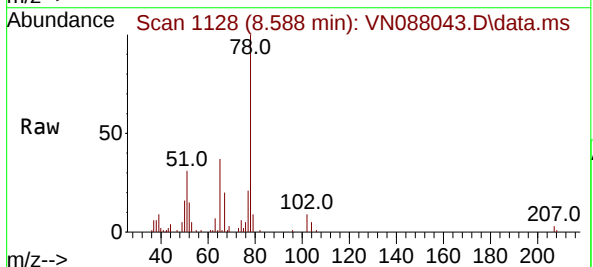
Manual Integrations
APPROVED

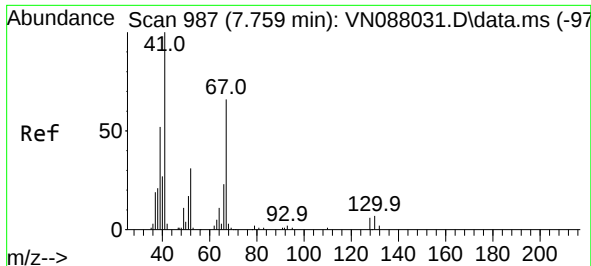
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#34
Benzene
Concen: 4.906 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

Tgt Ion: 78 Resp: 84408
Ion Ratio Lower Upper
78 100
77 21.4 18.9 28.3
51 27.3 15.6 23.4#





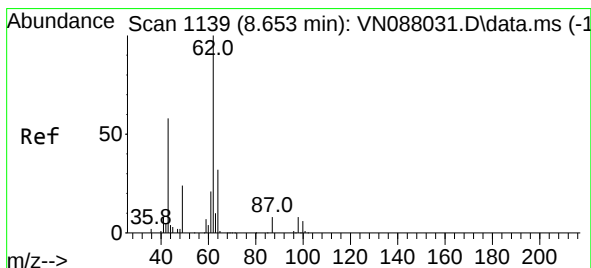
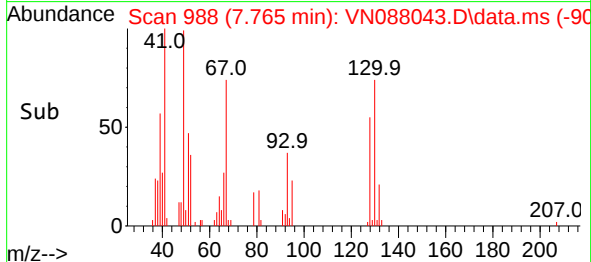
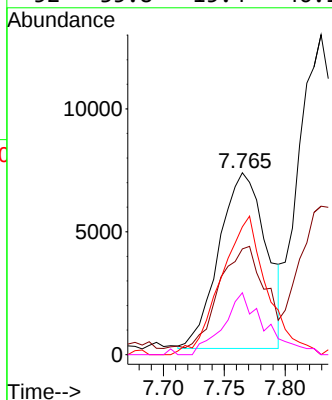
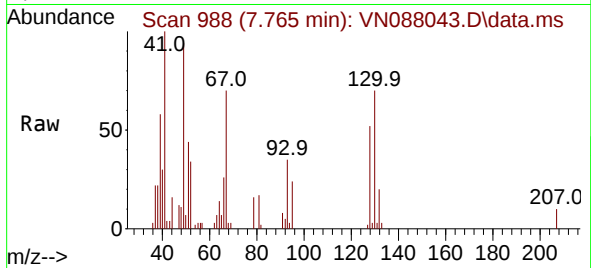
#35
Methacrylonitrile
Concen: 4.804 ug/l
RT: 7.765 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025

Tgt Ion:	41	Resp:	1932
Ion Ratio	Lower	Upper	
41	100		
39	56.2	26.1	78.3
67	71.7	33.1	99.2
52	35.8	15.4	46.1

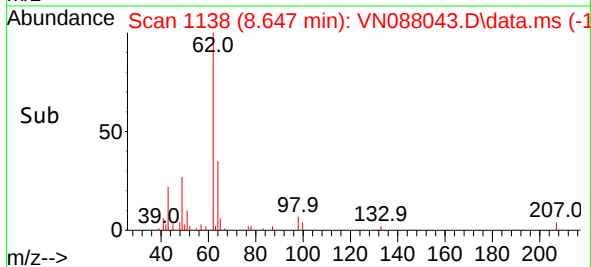
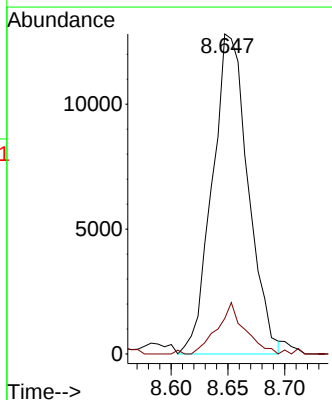
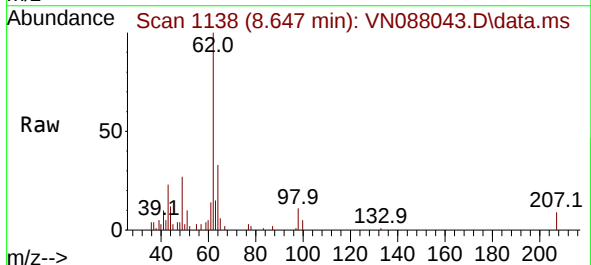
Manual Integrations
APPROVED

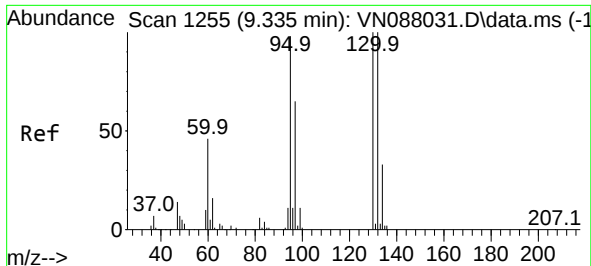
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#36
1,2-Dichloroethane
Concen: 4.709 ug/l
RT: 8.647 min Scan# 1138
Delta R.T. -0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

Tgt Ion:	62	Resp:	28124
Ion Ratio	Lower	Upper	
62	100		
98	12.3	7.8	11.6#





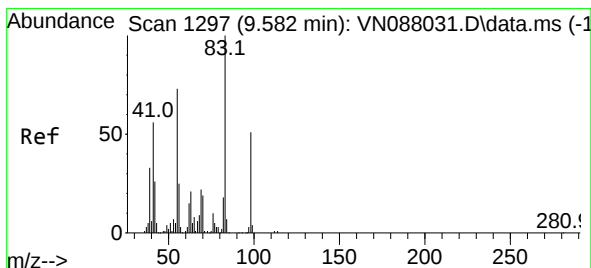
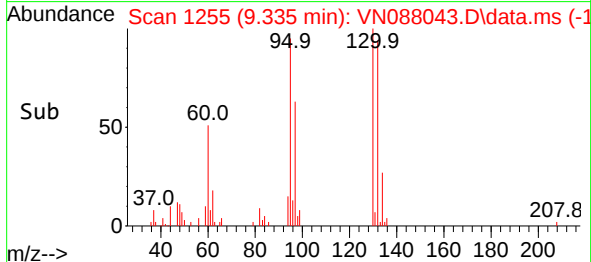
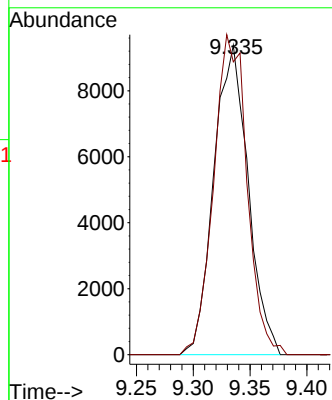
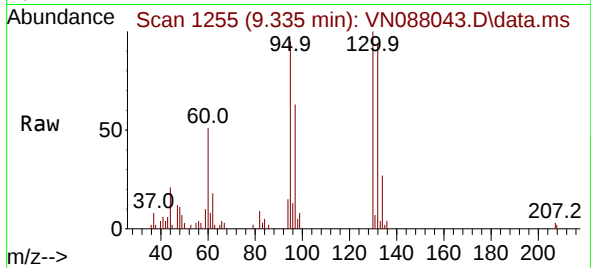
#37
Trichloroethene
Concen: 4.837 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025

Tgt Ion:130 Resp: 1971
Ion Ratio Lower Upper
130 100
95 94.6 78.7 118.1

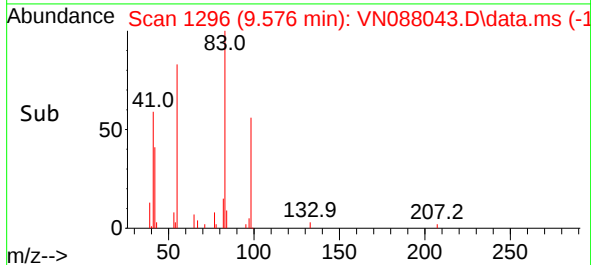
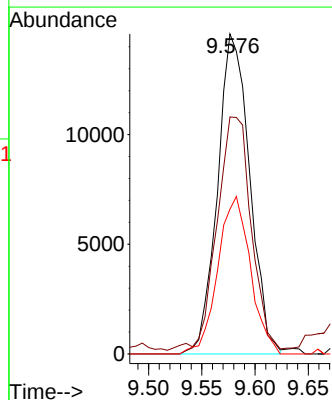
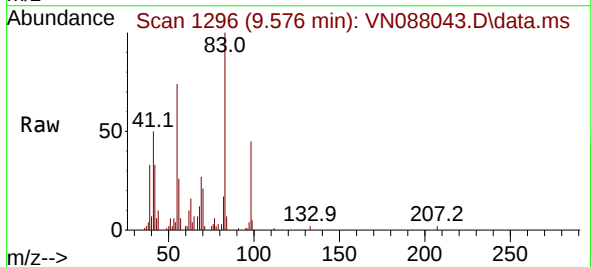
Manual Integrations
APPROVED

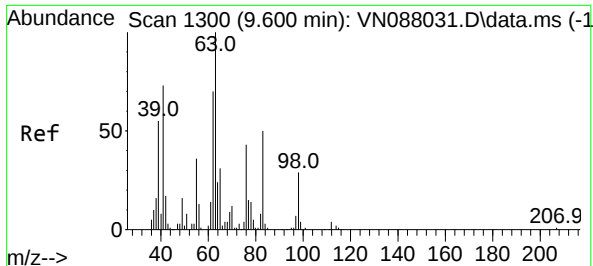
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#38
Methylcyclohexane
Concen: 4.771 ug/l
RT: 9.576 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

Tgt Ion: 83 Resp: 30563
Ion Ratio Lower Upper
83 100
55 75.4 37.3 111.9
98 50.0 25.4 76.0





#39

1,2-Dichloropropane

Concen: 4.726 ug/l

RT: 9.600 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088043.D

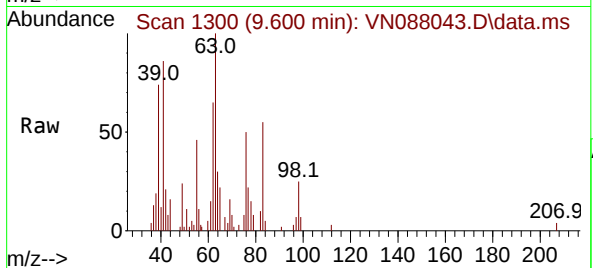
Acq: 08 Oct 2025 16:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2025



Tgt Ion: 63 Resp: 20389

Ion Ratio Lower Upper

63 100

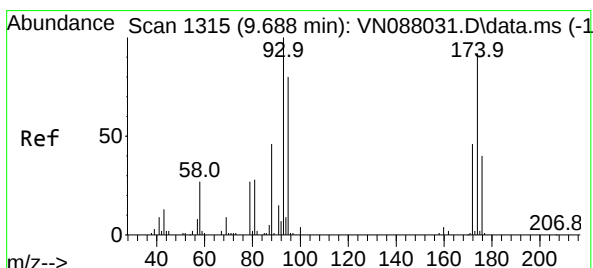
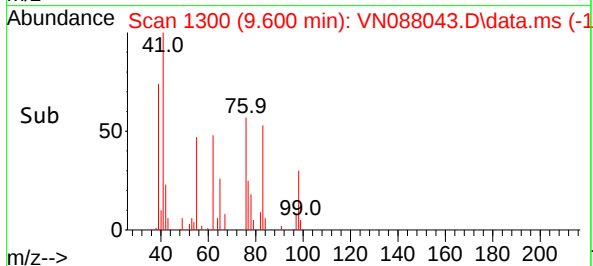
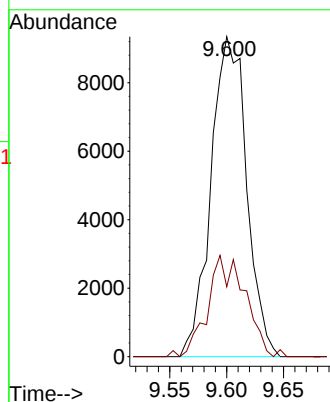
65 21.8 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#40

Dibromomethane

Concen: 5.096 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VN088043.D

Acq: 08 Oct 2025 16:02

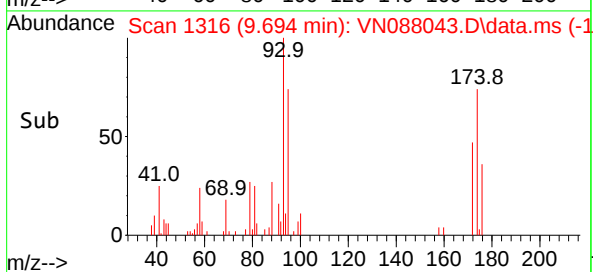
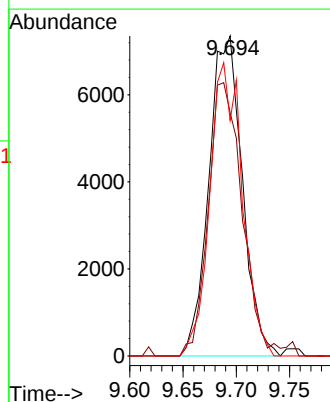
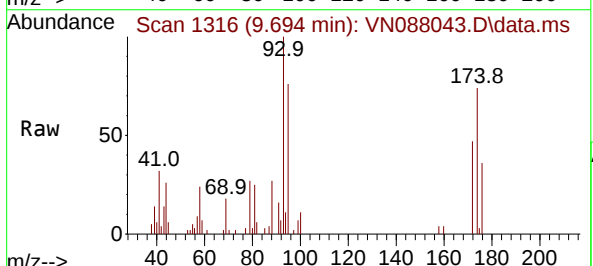
Tgt Ion: 93 Resp: 16003

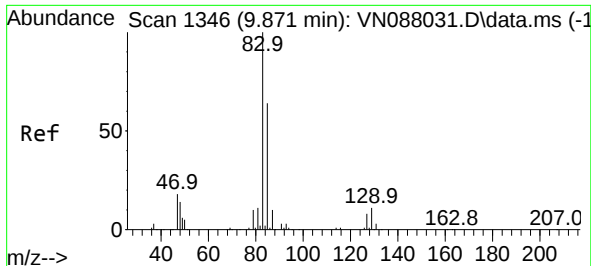
Ion Ratio Lower Upper

93 100

95 85.7 0.0 158.6

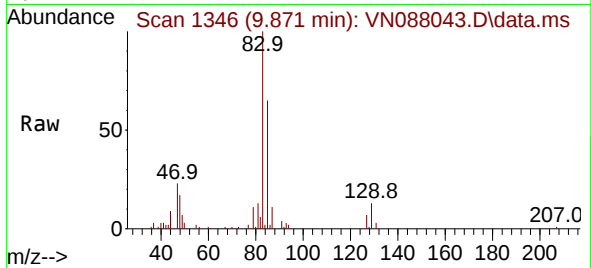
174 89.6 0.0 180.8





#41
Bromodichloromethane
Concen: 4.901 ug/l
RT: 9.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

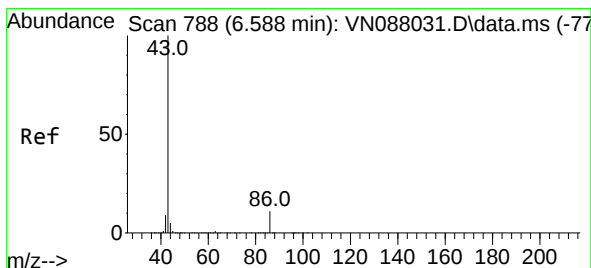
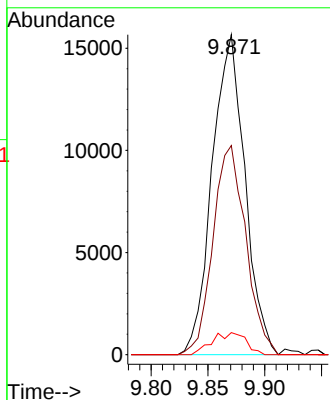
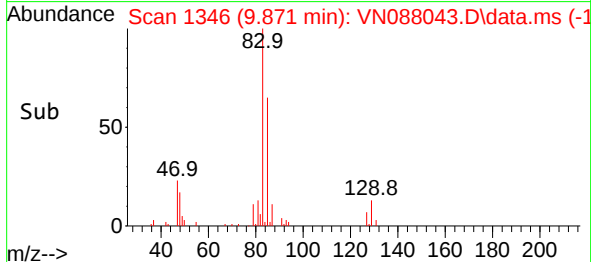
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion: 83 Resp: 31430
Ion Ratio Lower Upper
83 100
85 65.3 51.0 76.4
127 6.9 6.1 9.1

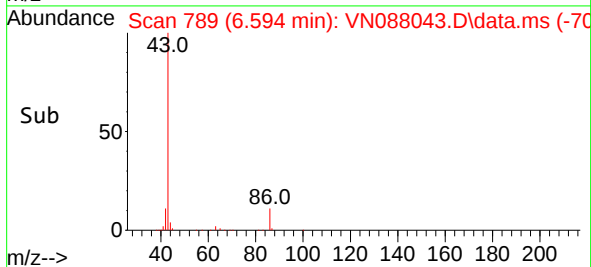
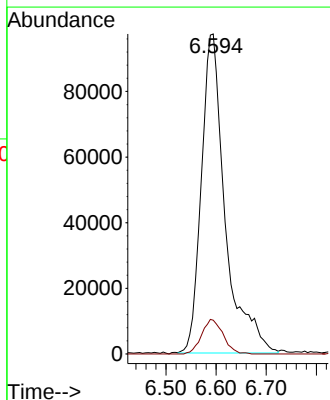
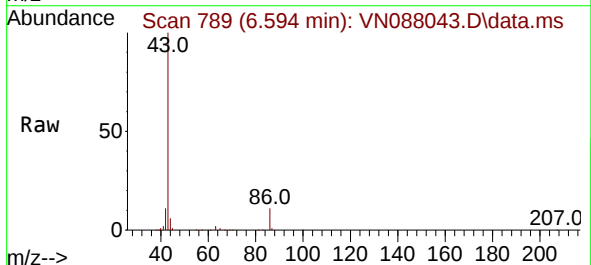
Manual Integrations
APPROVED

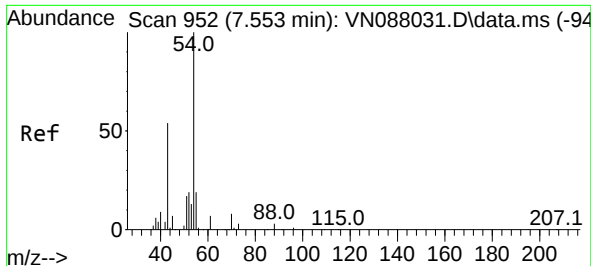
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#42
Vinyl Acetate
Concen: 24.724 ug/l
RT: 6.594 min Scan# 789
Delta R.T. 0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

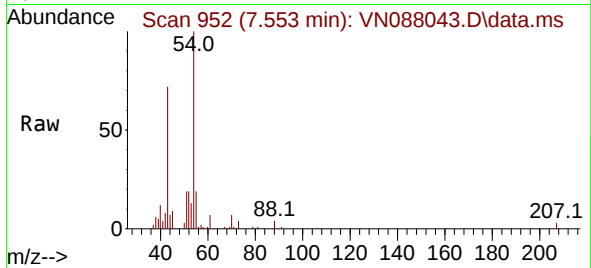
Tgt Ion: 43 Resp: 322207
Ion Ratio Lower Upper
43 100
86 9.6 8.4 12.6





#43
Ethyl Acetate
Concen: 4.516 ug/l
RT: 7.553 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

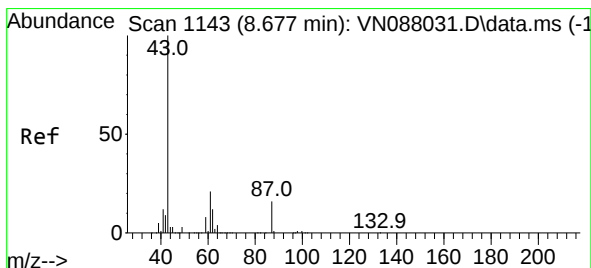
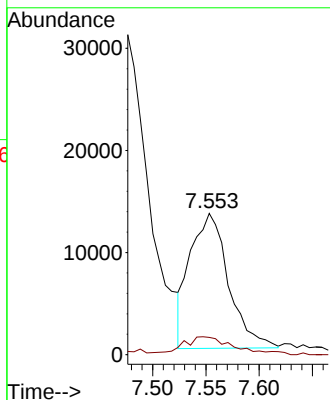
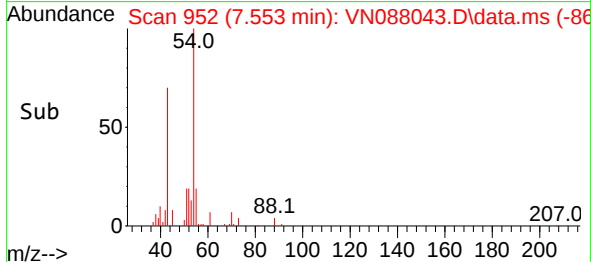
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion: 43 Resp: 33209
Ion Ratio Lower Upper
43 100
45 13.9 10.2 15.4

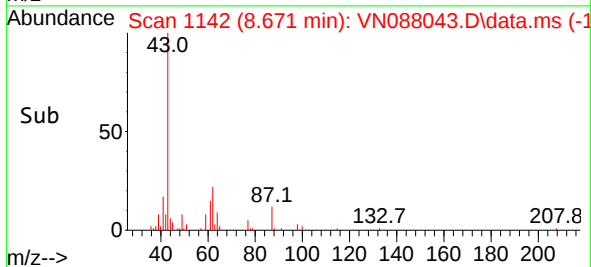
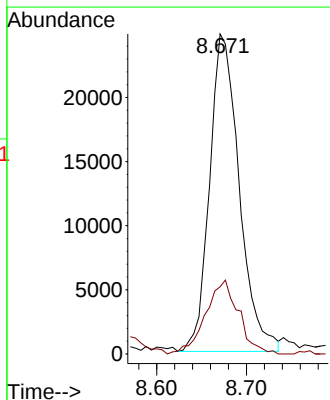
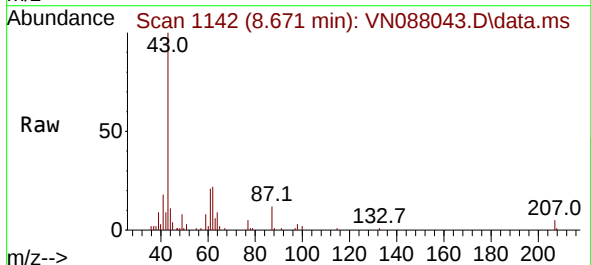
Manual Integrations
APPROVED

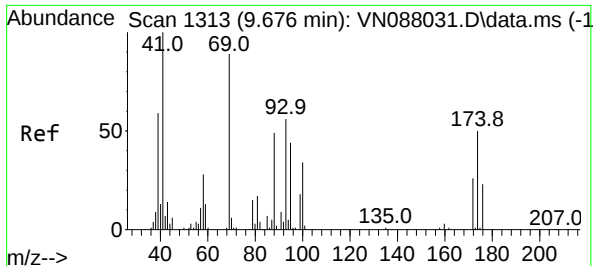
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#44
Isopropyl Acetate
Concen: 4.734 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

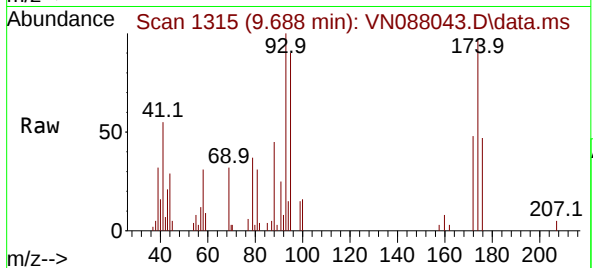
Tgt Ion: 43 Resp: 56864
Ion Ratio Lower Upper
43 100
61 25.9 18.7 28.1





#45
1,4-Dioxane
Concen: 86.727 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.012 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

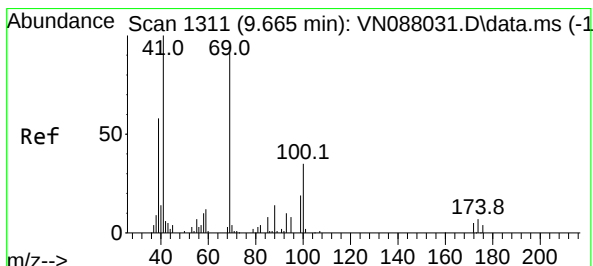
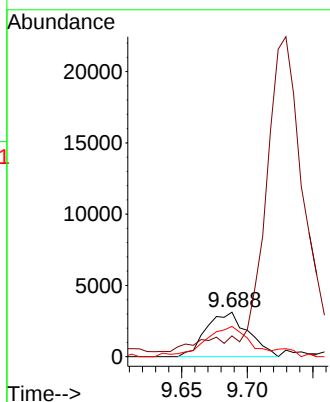
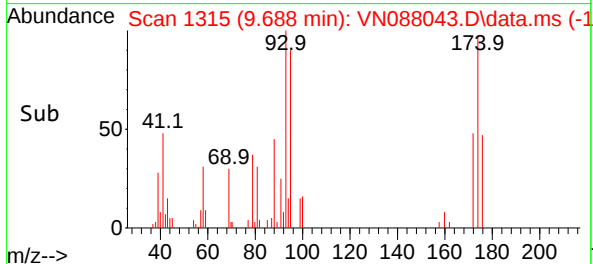
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



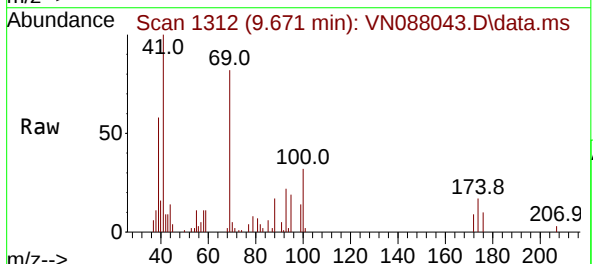
Tgt Ion: 88 Resp: 6928
Ion Ratio Lower Upper
88 100
43 12.9 18.6 27.8
58 69.5 57.4 86.2

Manual Integrations
APPROVED

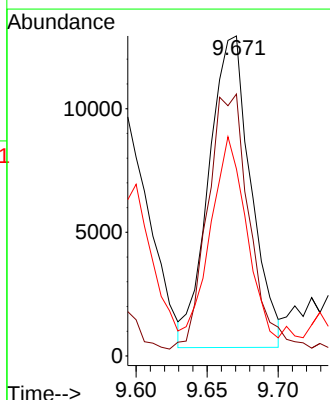
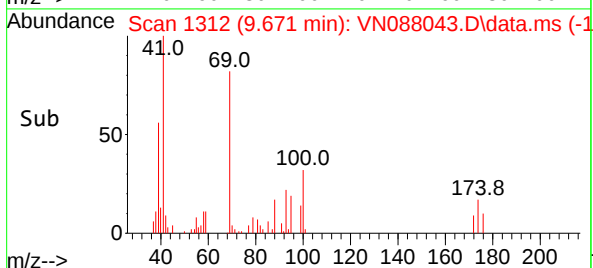
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

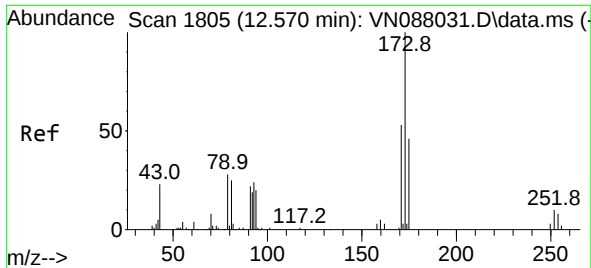


#46
Methyl methacrylate
Concen: 4.904 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02



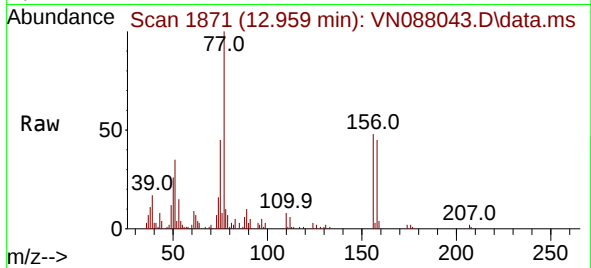
Tgt Ion: 41 Resp: 25937
Ion Ratio Lower Upper
41 100
69 86.8 44.9 134.7
39 59.1 30.3 90.8





#47
n-amy1 Acetate
Concen: 4.841 ug/l m
RT: 12.959 min Scan# 1805
Delta R.T. 0.388 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

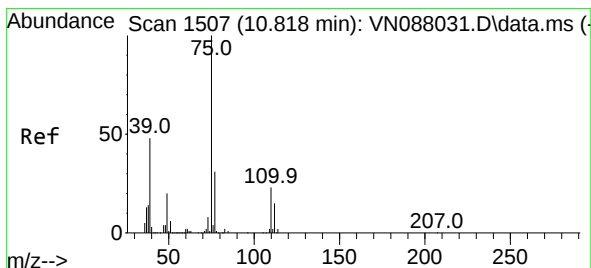
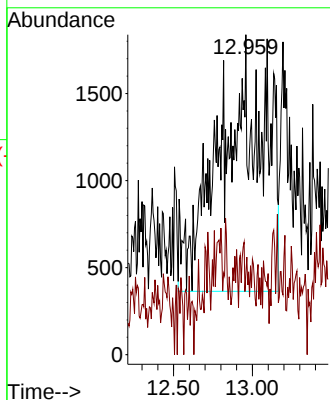
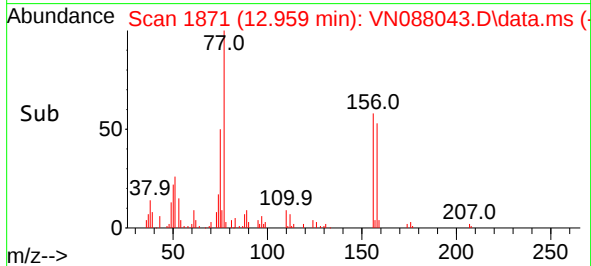
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion: 43 Resp: 2755
Ion Ratio Lower Upper
43 100
55 1.6 0.6 0.8

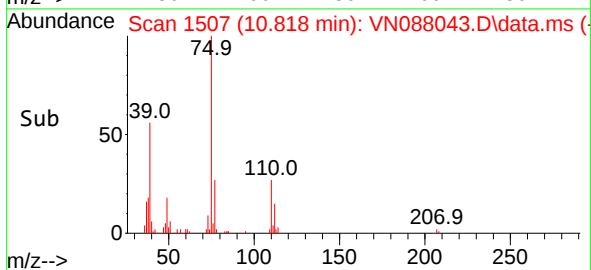
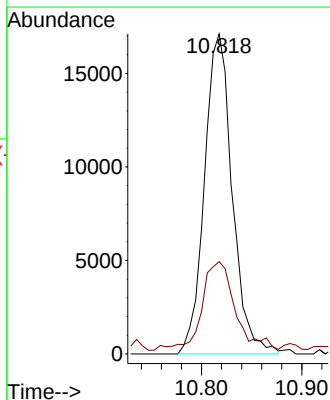
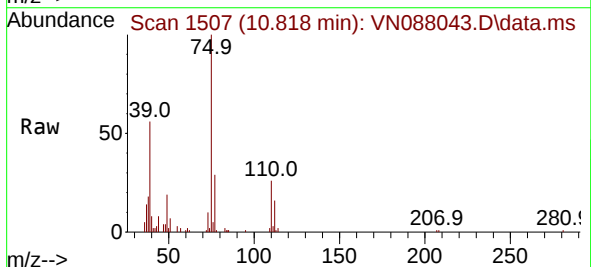
Manual Integrations
APPROVED

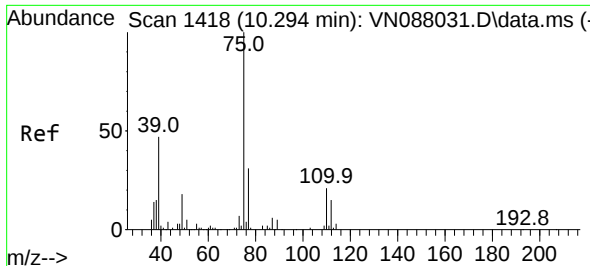
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#48
t-1,3-Dichloropropene
Concen: 4.617 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

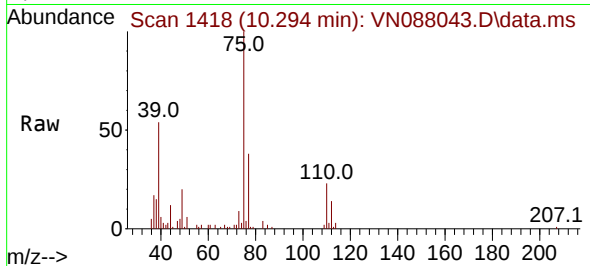
Tgt Ion: 75 Resp: 32929
Ion Ratio Lower Upper
75 100
77 27.4 24.5 36.7





#49
 cis-1,3-Dichloropropene
 Concen: 4.650 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VN088043.D
 Acq: 08 Oct 2025 16:02

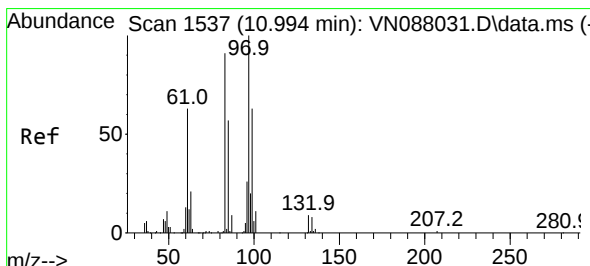
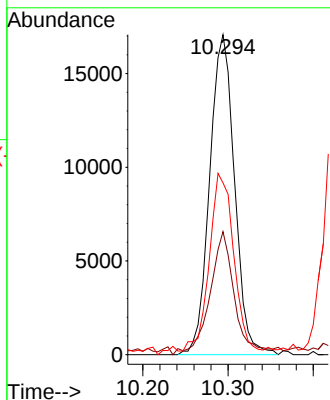
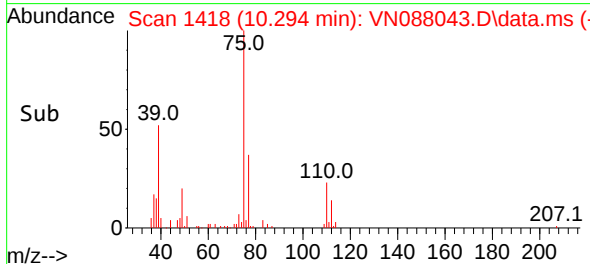
Instrument : MSVOA_N
 ClientSampleId : LOQ-WATER-02-QT3-2025



Tgt Ion: 75 Resp: 3459
 Ion Ratio Lower Upper
 75 100
 77 36.6 25.0 37.4
 39 52.5 37.4 56.0

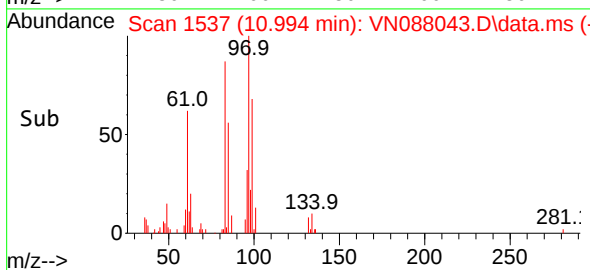
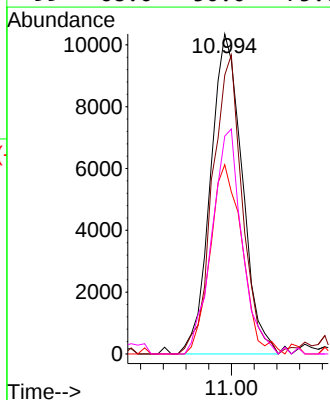
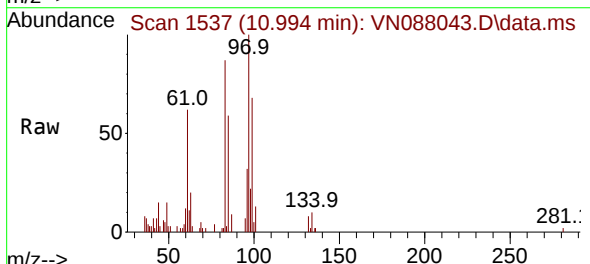
Manual Integrations
 APPROVED

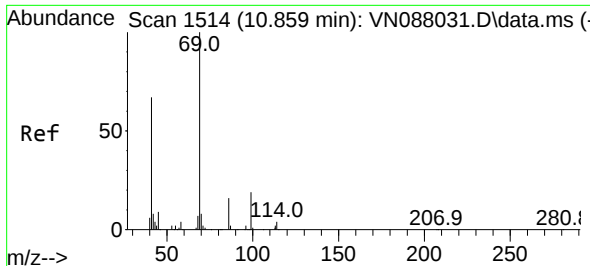
Reviewed By :John Carlone 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#50
 1,1,2-Trichloroethane
 Concen: 4.824 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.000 min
 Lab File: VN088043.D
 Acq: 08 Oct 2025 16:02

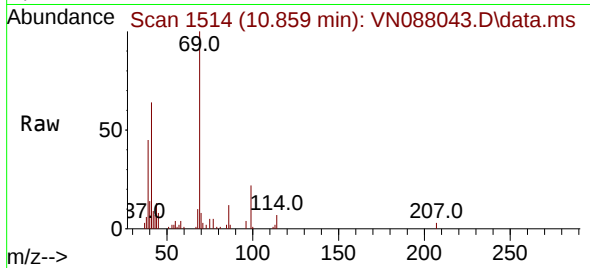
Tgt Ion: 97 Resp: 20059
 Ion Ratio Lower Upper
 97 100
 83 87.1 72.5 108.7
 85 59.2 45.5 68.3
 99 68.0 50.0 75.0





#51
Ethyl methacrylate
Concen: 4.573 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

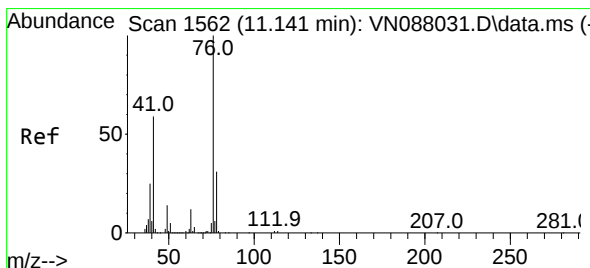
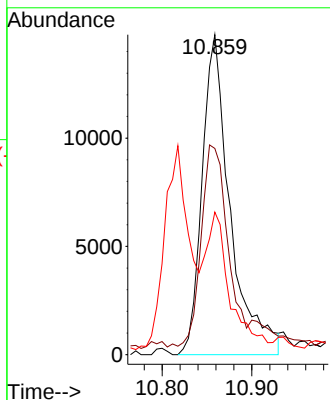
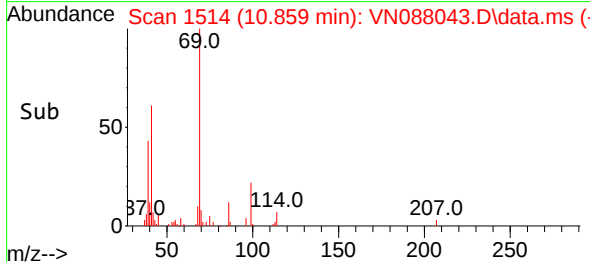
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2025



Tgt Ion: 69 Resp: 3218
Ion Ratio Lower Upper
69 100
41 61.8 33.3 99.8
39 39.2 20.3 61.0

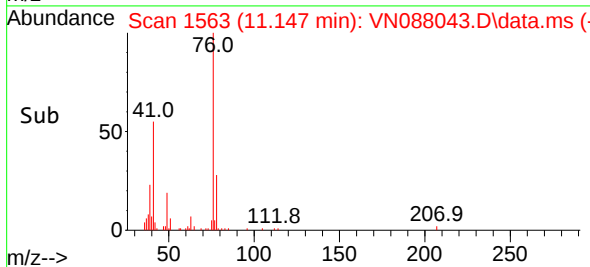
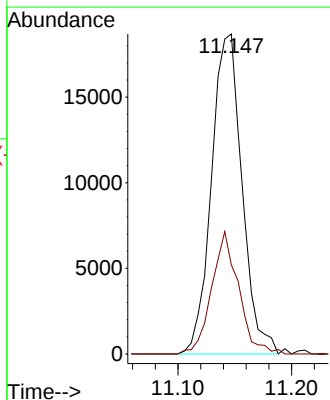
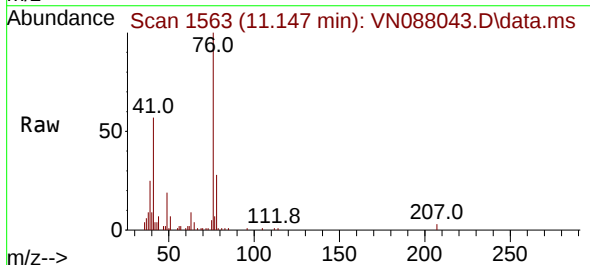
Manual Integrations
APPROVED

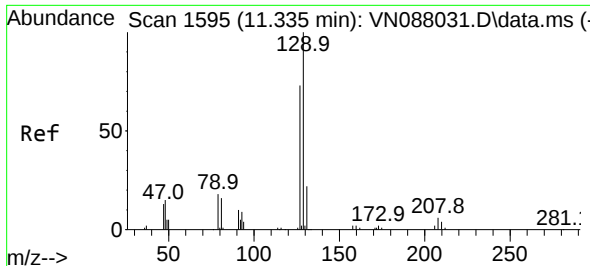
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52
1,3-Dichloropropane
Concen: 4.819 ug/l
RT: 11.147 min Scan# 1563
Delta R.T. 0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

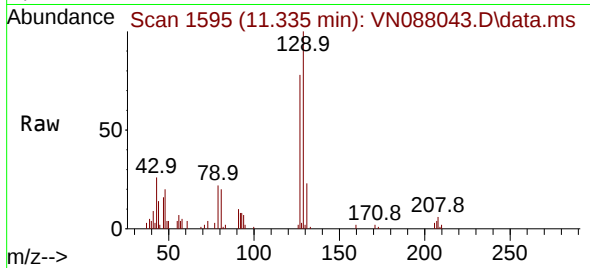
Tgt Ion: 76 Resp: 34961
Ion Ratio Lower Upper
76 100
78 32.8 0.0 65.0





#53
Dibromochloromethane
Concen: 4.453 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

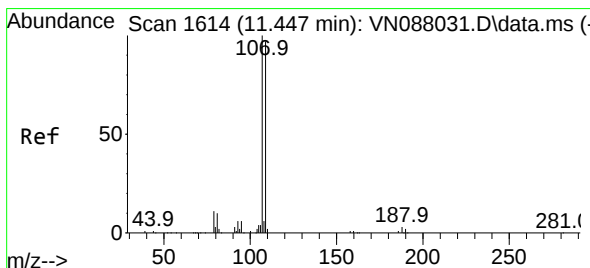
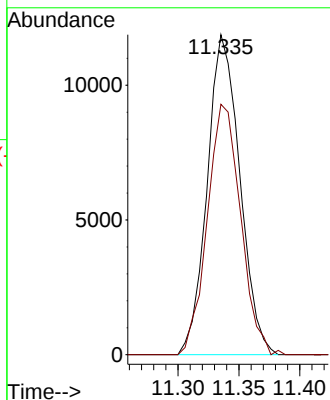
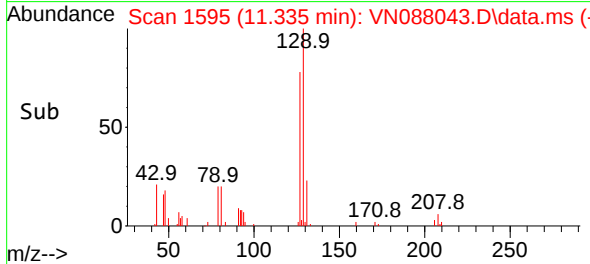
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



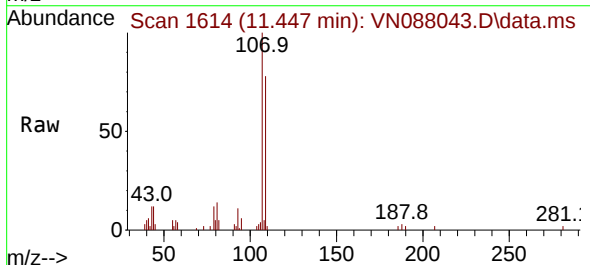
Tgt Ion:129 Resp: 22140
Ion Ratio Lower Upper
129 100
127 79.7 39.1 117.3

Manual Integrations
APPROVED

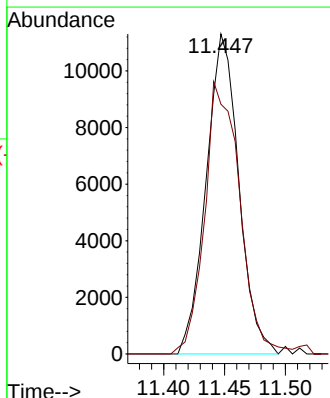
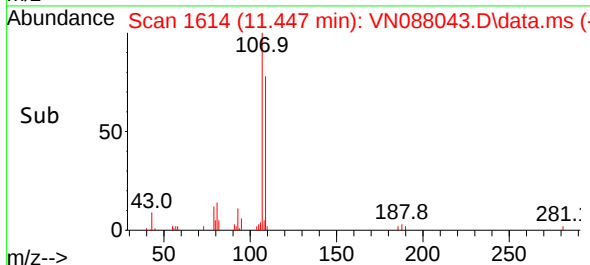
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

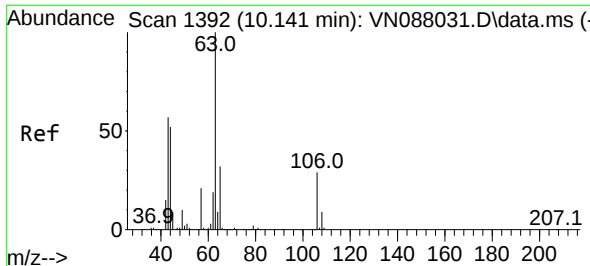


#54
1,2-Dibromoethane
Concen: 4.742 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02



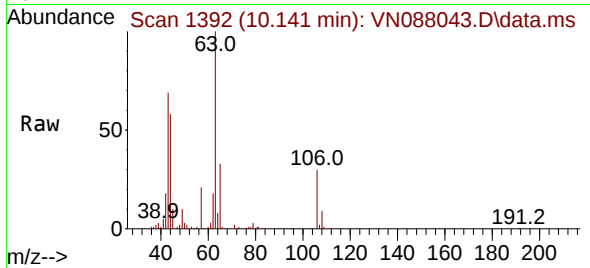
Tgt Ion:107 Resp: 21081
Ion Ratio Lower Upper
107 100
109 91.3 75.5 113.3





#55
2-Chloroethyl vinyl ether
Concen: 21.121 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

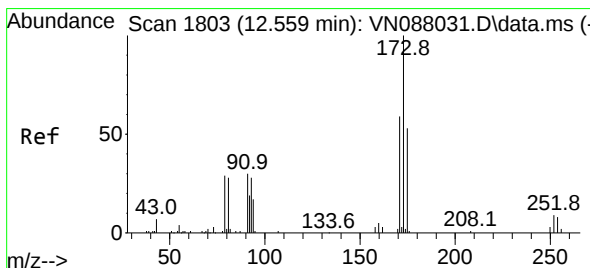
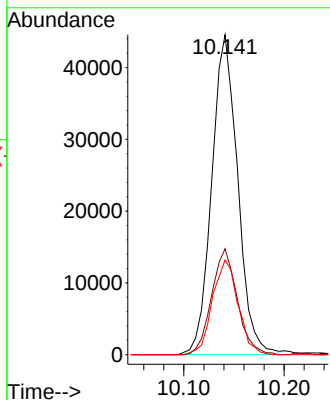
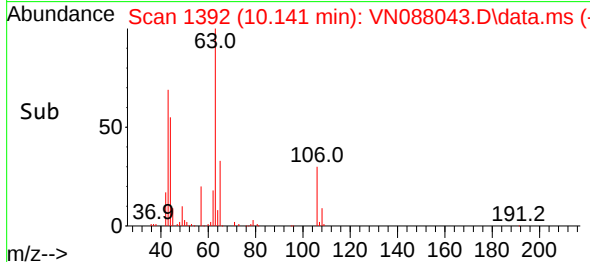
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion: 63 Resp: 8023
Ion Ratio Lower Upper
63 100
65 32.7 25.7 38.5
106 29.2 22.6 34.0

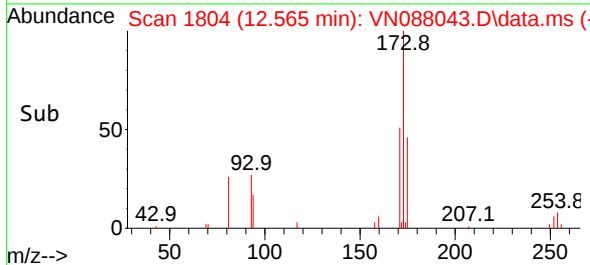
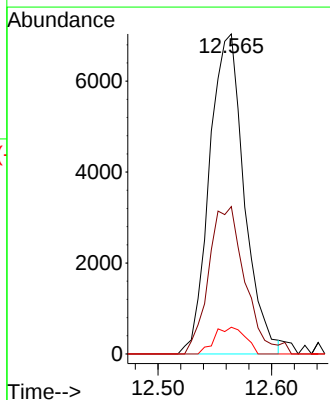
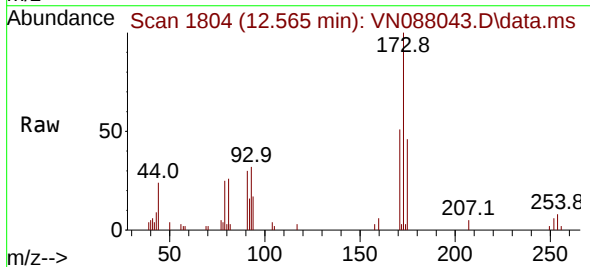
Manual Integrations
APPROVED

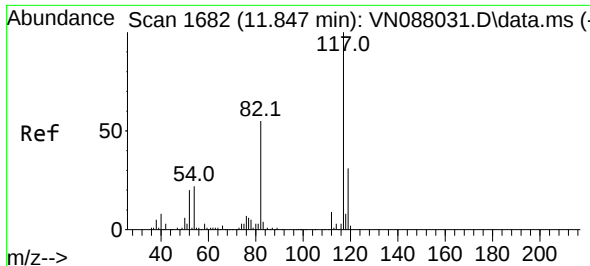
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#56
Bromoform
Concen: 4.444 ug/l
RT: 12.565 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

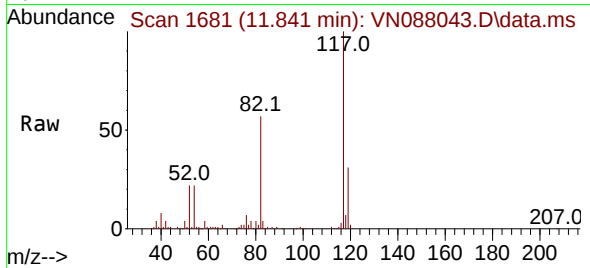
Tgt Ion:173 Resp: 14935
Ion Ratio Lower Upper
173 100
175 47.8 39.6 59.4
254 3.2 6.6 10.0#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1181
Delta R.T. -0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

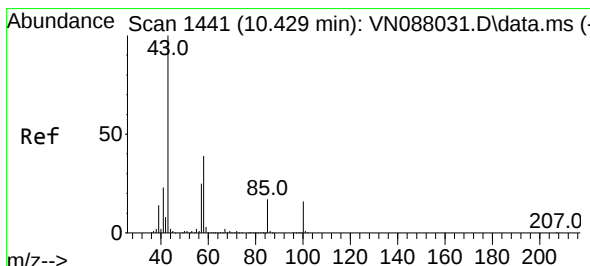
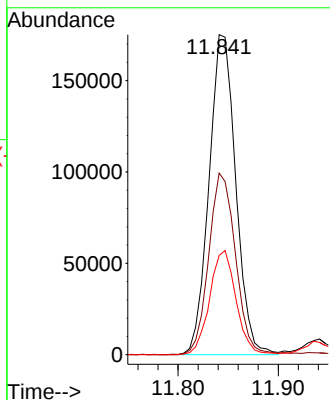
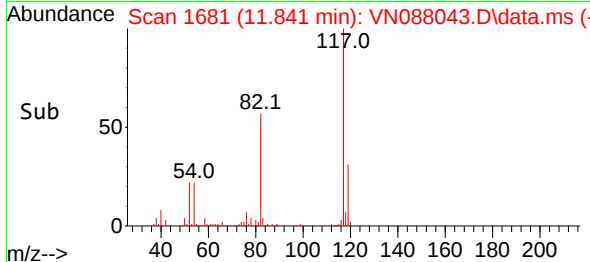
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion:117 Resp: 325562
Ion Ratio Lower Upper
117 100
82 56.6 45.2 67.8
119 32.1 25.9 38.9

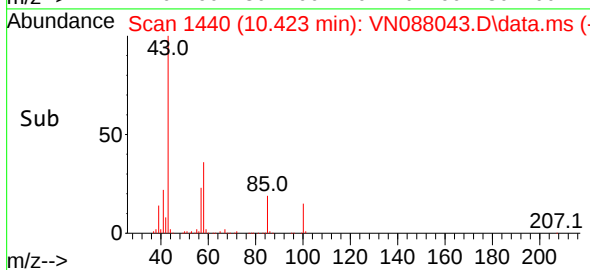
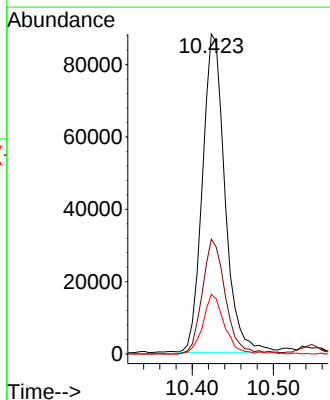
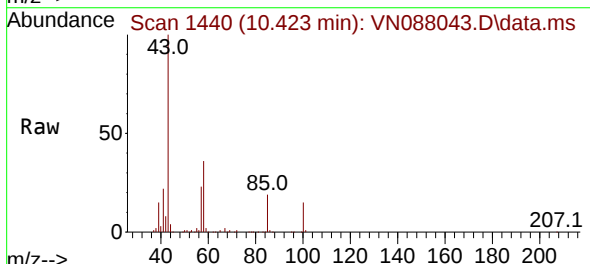
Manual Integrations
APPROVED

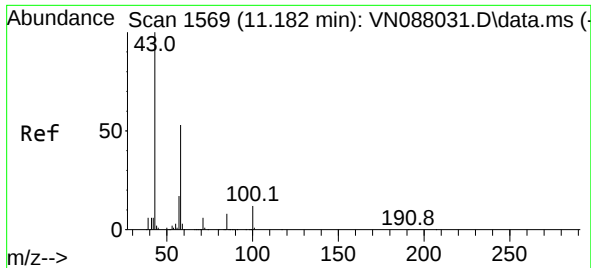
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
4-Methyl-2-Pentanone
Concen: 23.263 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

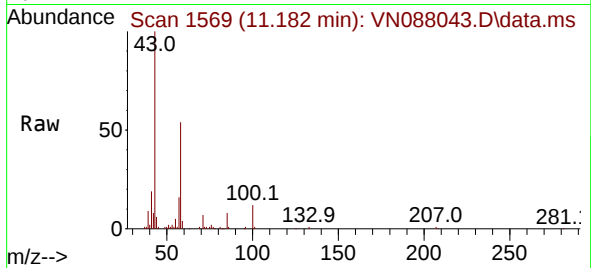
Tgt Ion: 43 Resp: 169403
Ion Ratio Lower Upper
43 100
58 36.7 31.2 46.8
85 17.8 13.7 20.5





#59
2-Hexanone
Concen: 19.018 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

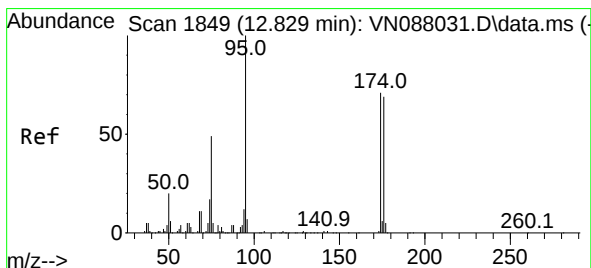
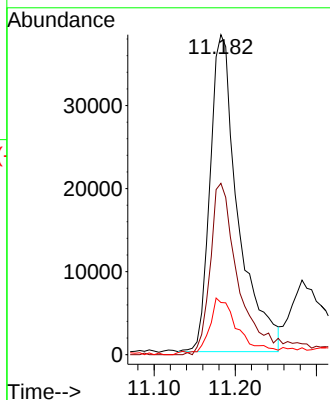
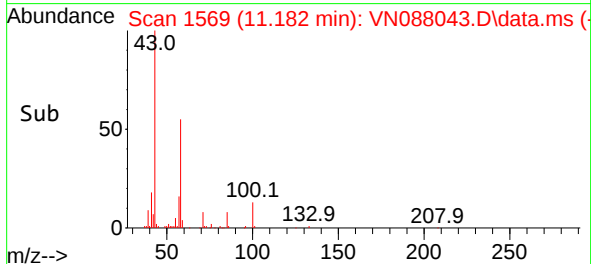
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion: 43 Resp: 91438
Ion Ratio Lower Upper
43 100
58 51.2 43.1 64.7
57 14.9 14.6 21.8

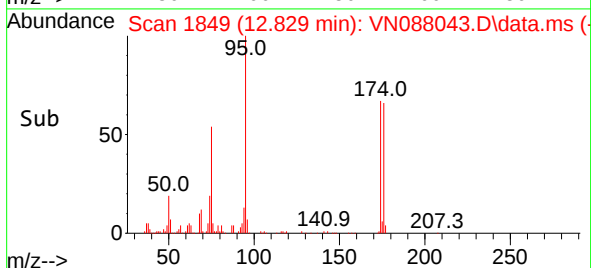
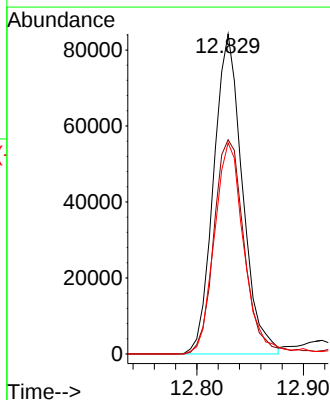
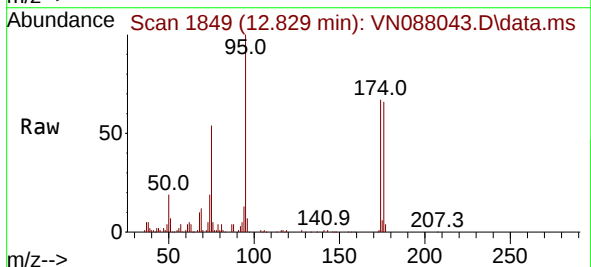
Manual Integrations
APPROVED

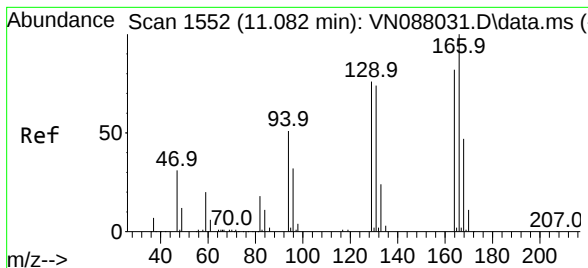
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#60
4-Bromofluorobenzene
Concen: 29.366 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

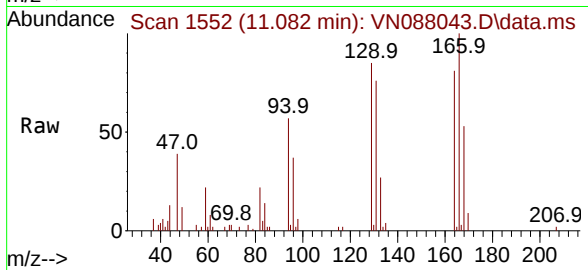
Tgt Ion: 95 Resp: 157611
Ion Ratio Lower Upper
95 100
174 70.3 57.4 86.0
176 67.9 57.0 85.4





#61
Tetrachloroethene
Concen: 4.815 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

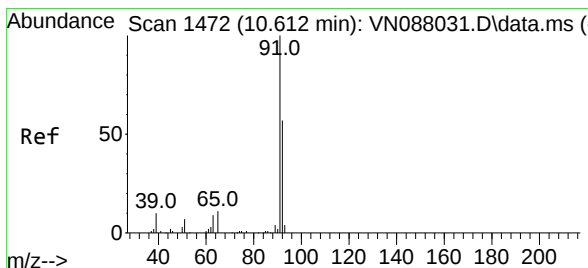
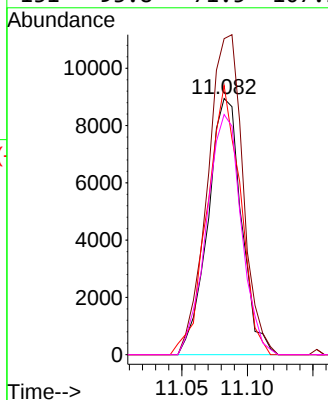
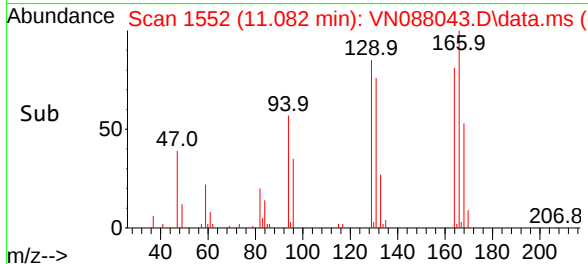
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2025



Tgt Ion:164 Resp: 1587
Ion Ratio Lower Upper
164 100
166 123.3 97.2 145.8
129 105.0 73.7 110.5
131 93.8 71.5 107.3

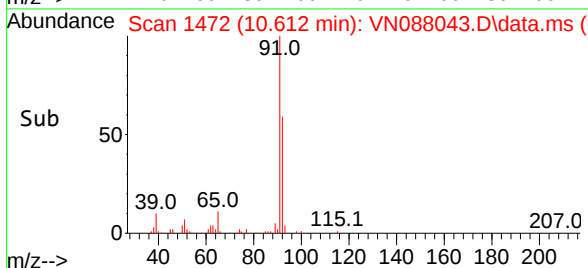
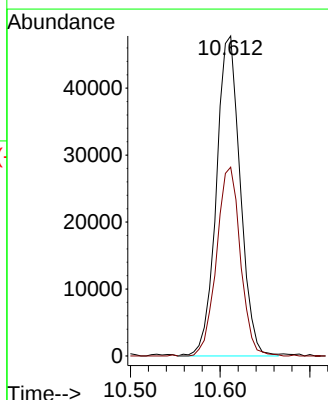
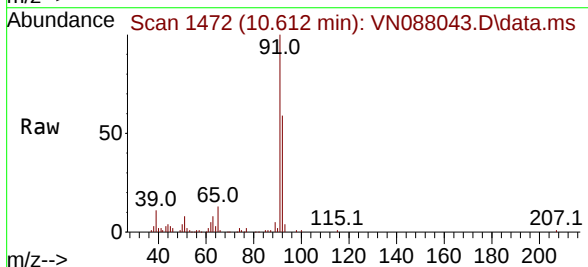
Manual Integrations
APPROVED

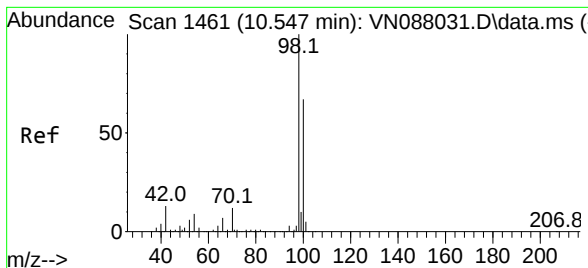
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#62
Toluene
Concen: 4.773 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

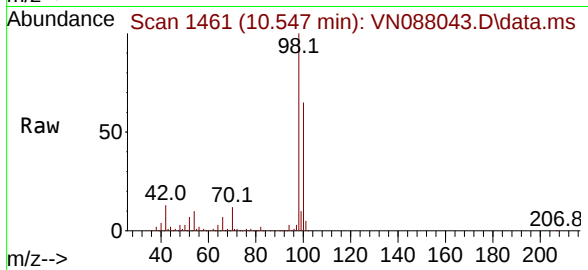
Tgt Ion: 91 Resp: 88137
Ion Ratio Lower Upper
91 100
92 59.0 45.8 68.8





#63
Toluene-d8
Concen: 30.295 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

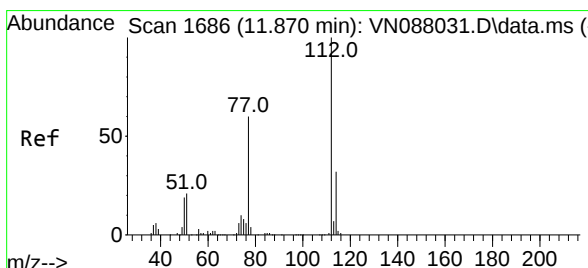
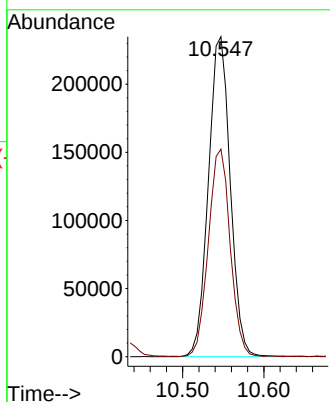
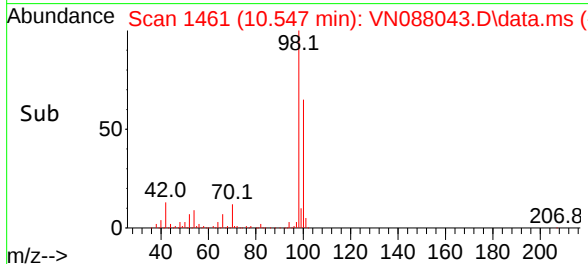
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion: 98 Resp: 43942
Ion Ratio Lower Upper
98 100
100 64.7 53.1 79.7

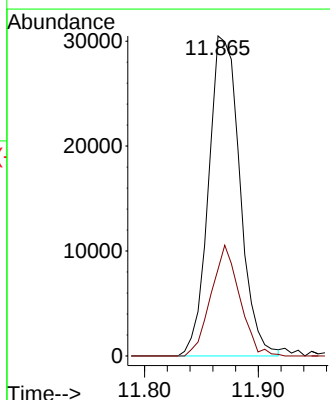
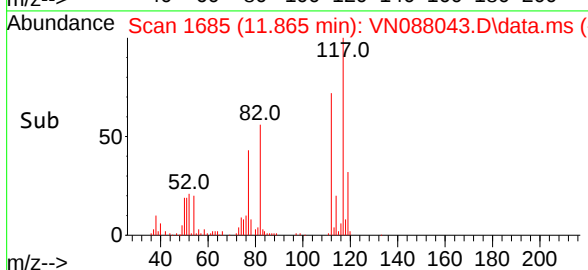
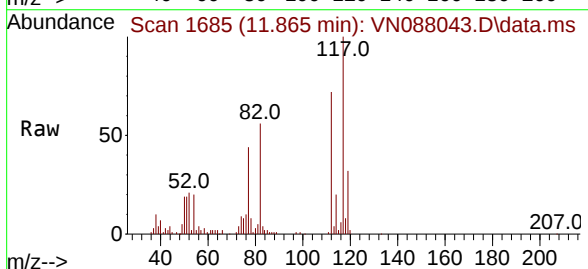
Manual Integrations
APPROVED

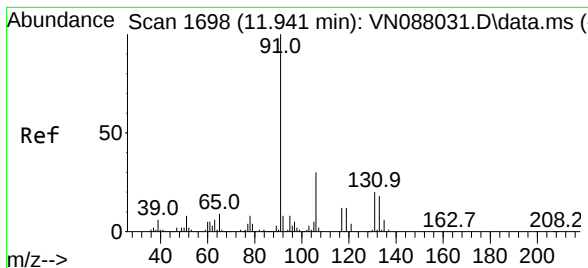
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#64
Chlorobenzene
Concen: 4.949 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

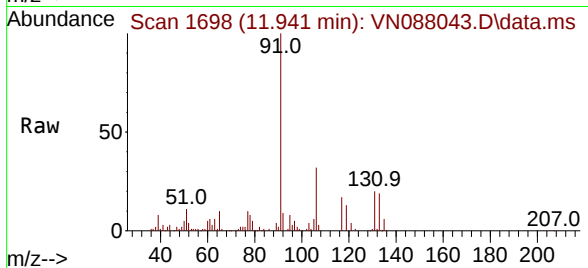
Tgt Ion:112 Resp: 58374
Ion Ratio Lower Upper
112 100
114 27.1 25.7 38.5





#65
1,1,1,2-Tetrachloroethane
Concen: 4.486 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

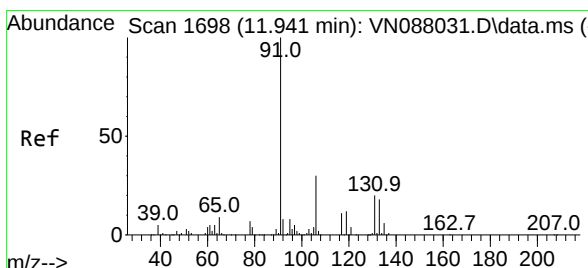
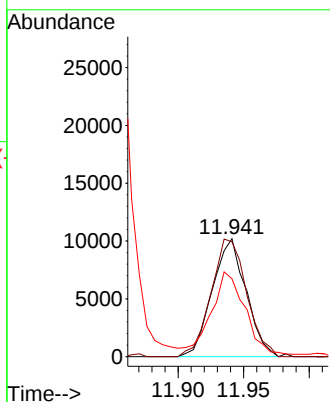
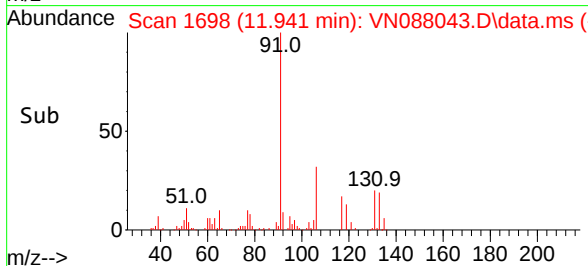
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2025



Tgt Ion:131 Resp: 18234
Ion Ratio Lower Upper
131 100
133 105.4 0.0 183.8
119 75.5 0.0 132.0

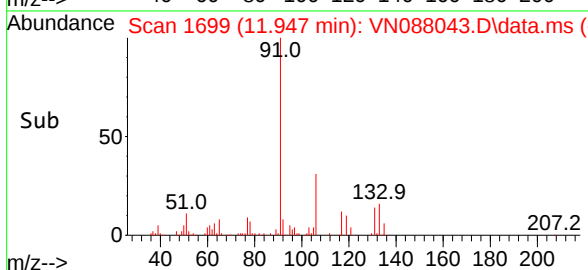
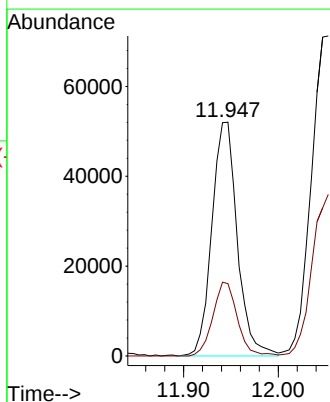
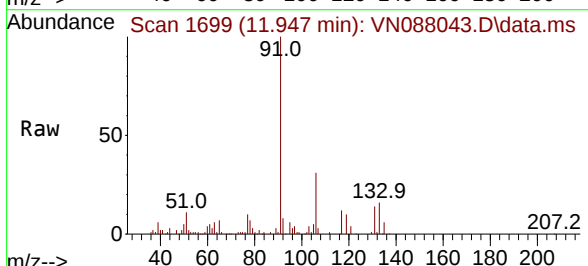
Manual Integrations
APPROVED

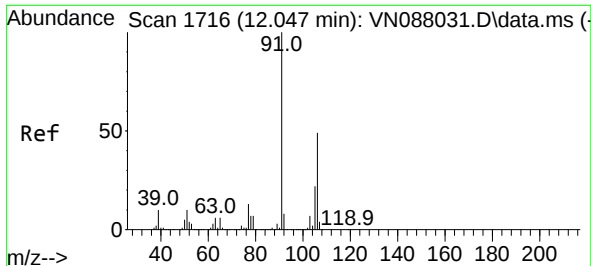
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#66
Ethyl Benzene
Concen: 4.845 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

Tgt Ion: 91 Resp: 97291
Ion Ratio Lower Upper
91 100
106 31.0 24.0 36.0





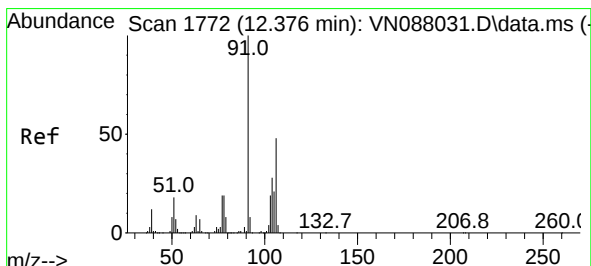
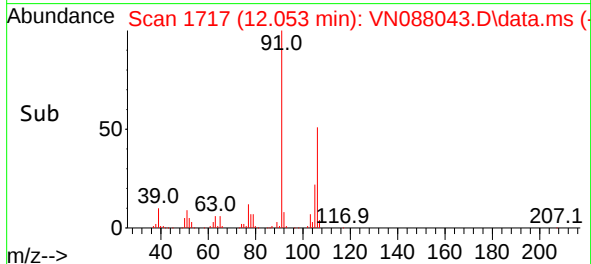
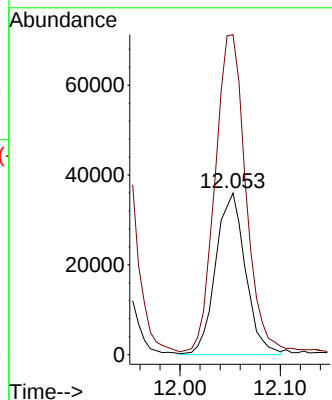
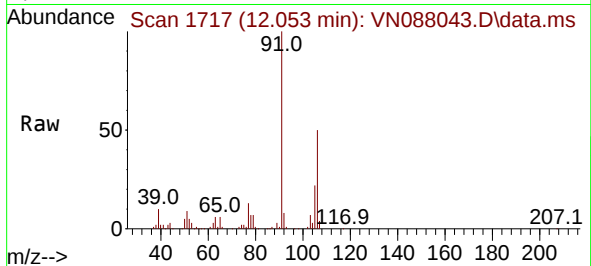
#67
m/p-Xylenes
Concen: 9.540 ug/l
RT: 12.053 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025

Tgt Ion:106 Resp: 73850
Ion Ratio Lower Upper
106 100
91 202.7 161.4 242.0

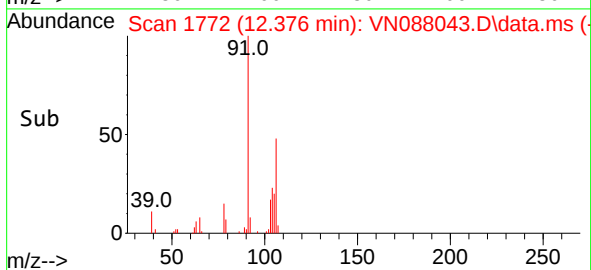
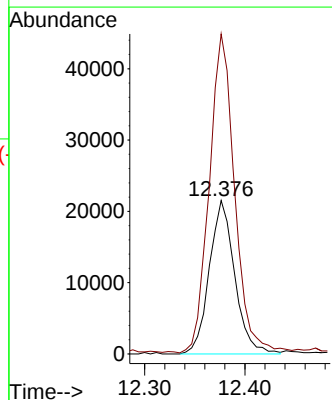
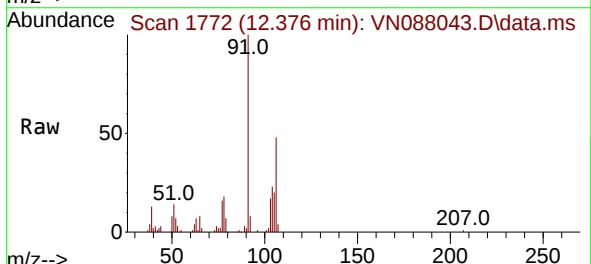
Manual Integrations
APPROVED

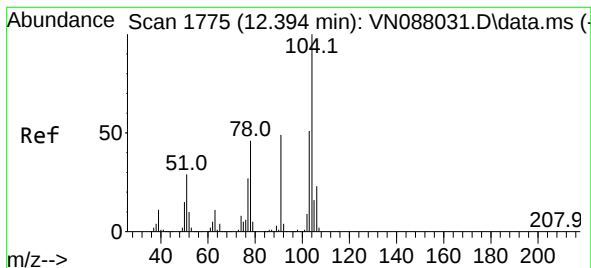
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#68
o-Xylene
Concen: 4.927 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

Tgt Ion:106 Resp: 37966
Ion Ratio Lower Upper
106 100
91 205.8 105.2 315.6





#69

Styrene

Concen: 4.398 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN088043.D

Acq: 08 Oct 2025 16:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2025

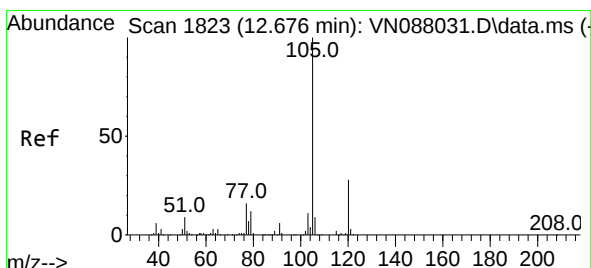
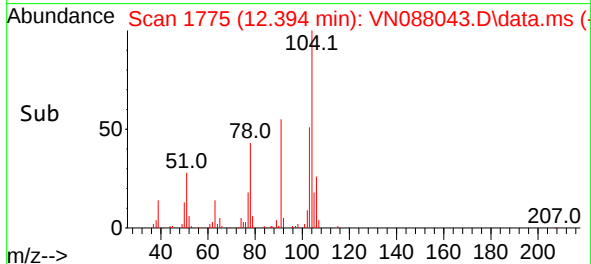
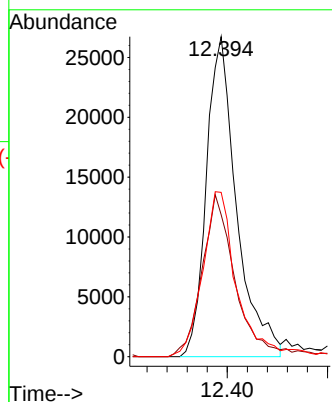
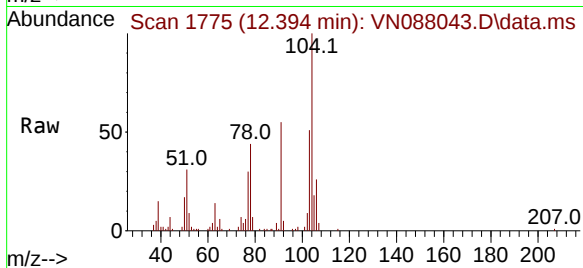
Tgt Ion:104	Resp:	5606
Ion Ratio	Lower	Upper
104	100	
78	55.0	41.8 62.6
103	56.2	44.9 67.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#70

Isopropylbenzene

Concen: 4.927 ug/l

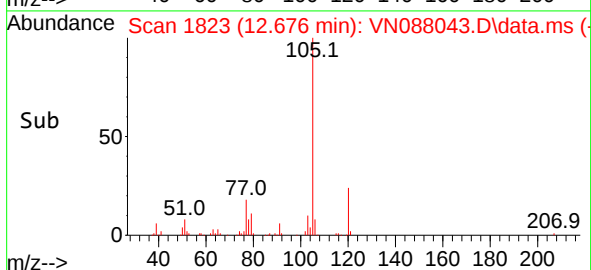
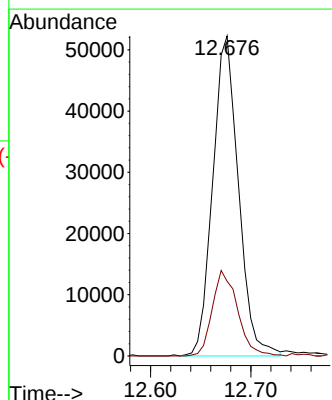
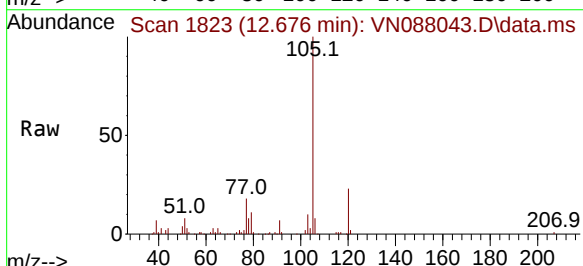
RT: 12.676 min Scan# 1823

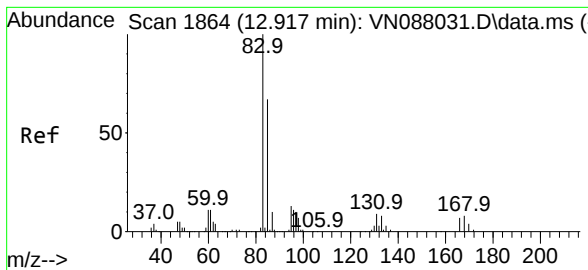
Delta R.T. 0.000 min

Lab File: VN088043.D

Acq: 08 Oct 2025 16:02

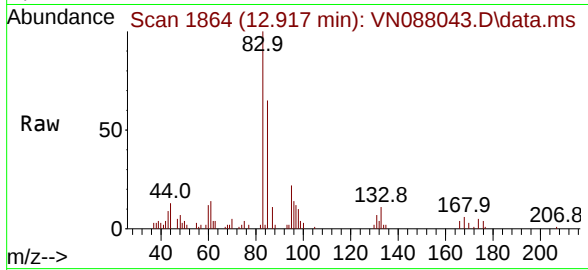
Tgt Ion:105	Resp:	93065
Ion Ratio	Lower	Upper
105	100	
120	26.2	19.1 35.5





#71
1,1,2,2-Tetrachloroethane
Concen: 4.684 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

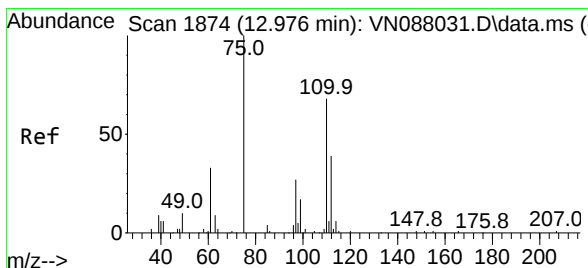
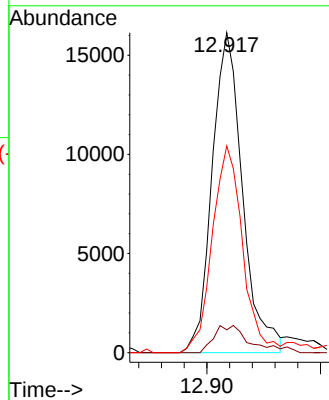
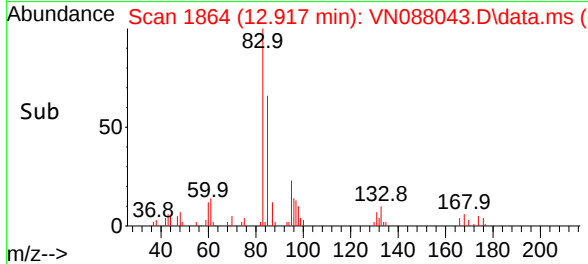
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2025



Tgt Ion: 83 Resp: 29990
Ion Ratio Lower Upper
83 100
131 4.2 4.8 14.3
85 64.3 32.4 97.2

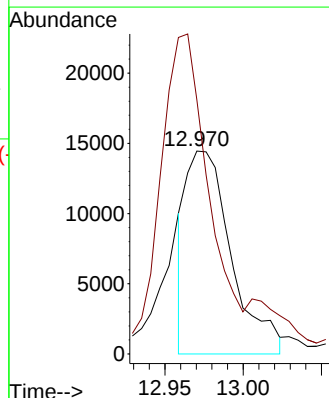
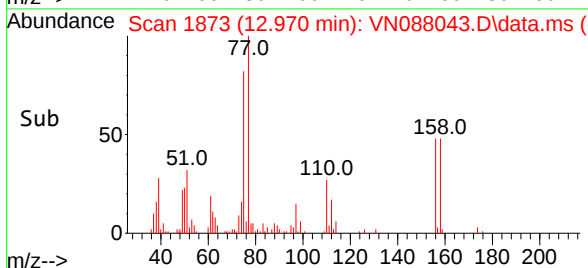
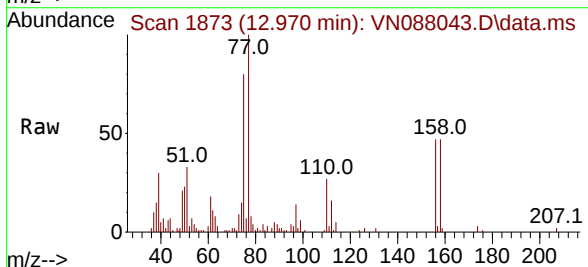
Manual Integrations
APPROVED

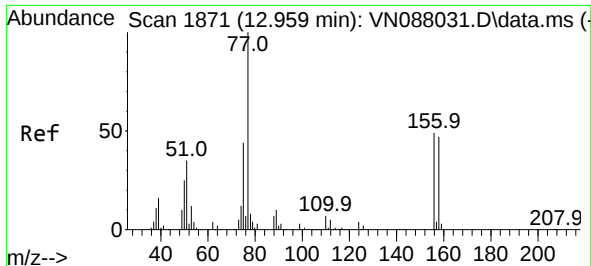
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#72
1,2,3-Trichloropropane
Concen: 4.888 ug/l m
RT: 12.970 min Scan# 1873
Delta R.T. -0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

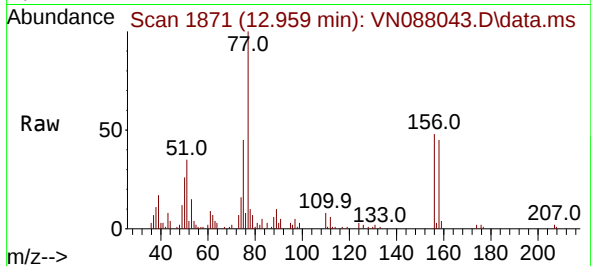
Tgt Ion: 75 Resp: 29068
Ion Ratio Lower Upper
75 100
77 164.0 0.0 364.0





#73
Bromobenzene
Concen: 4.586 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

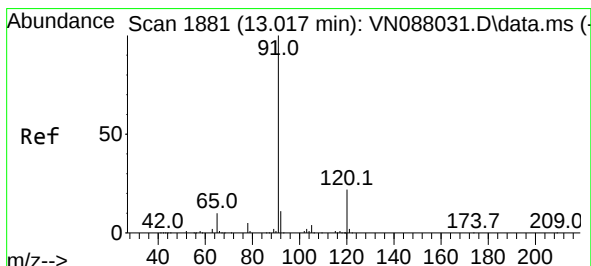
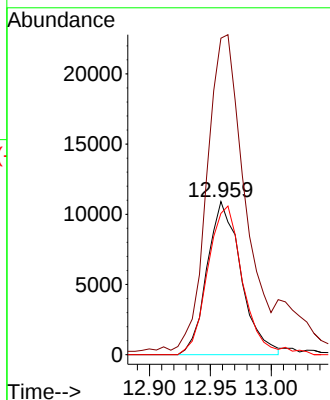
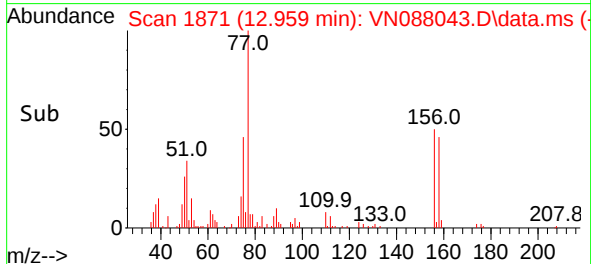
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion:156 Resp: 21170
Ion Ratio Lower Upper
156 100
77 225.1 0.0 439.8
158 98.5 0.0 190.0

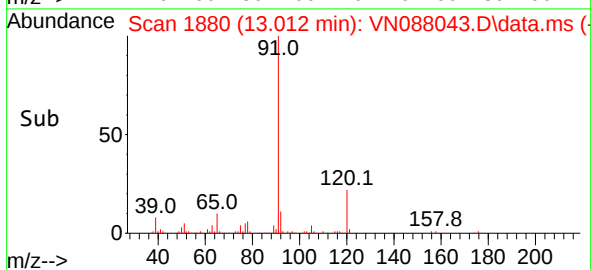
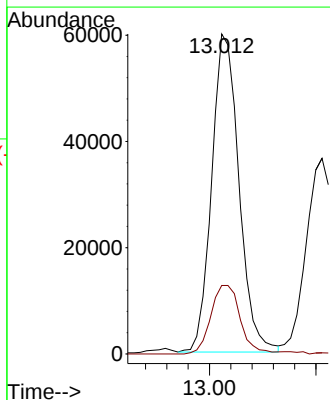
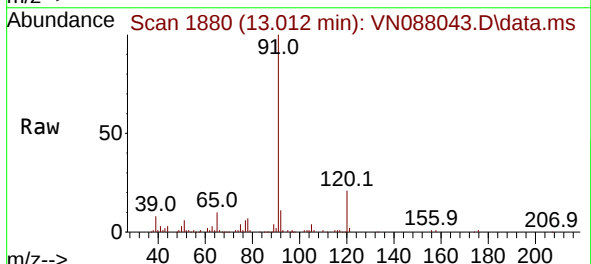
Manual Integrations
APPROVED

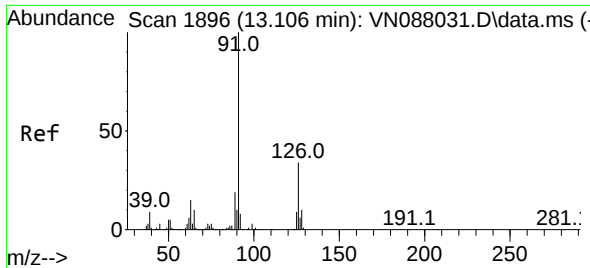
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#74
n-propylbenzene
Concen: 4.668 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

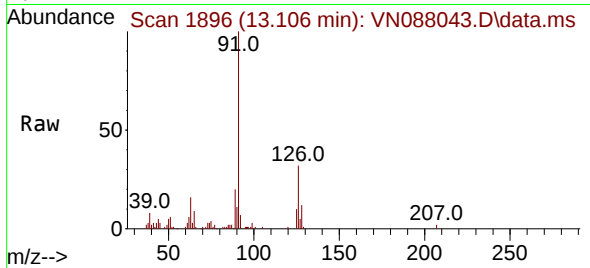
Tgt Ion: 91 Resp: 106424
Ion Ratio Lower Upper
91 100
120 23.1 0.0 46.2





#75
2-Chlorotoluene
Concen: 4.990 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

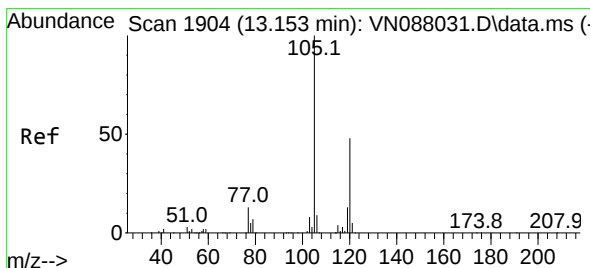
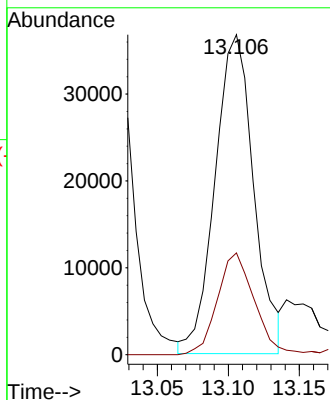
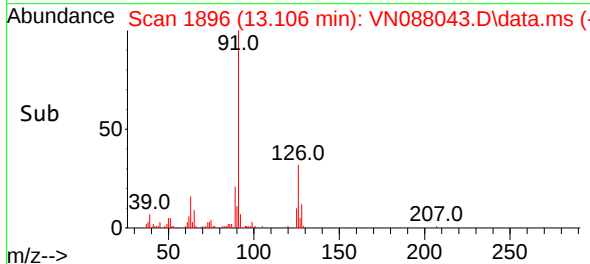
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



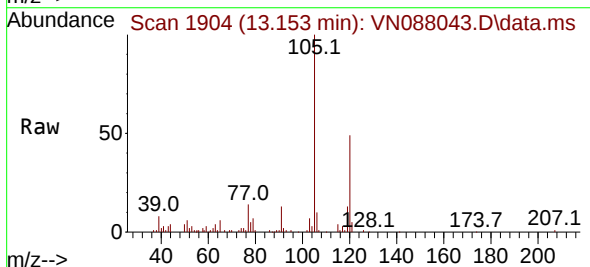
Tgt Ion: 91 Resp: 6956
Ion Ratio Lower Upper
91 100
126 30.4 0.0 66.6

Manual Integrations
APPROVED

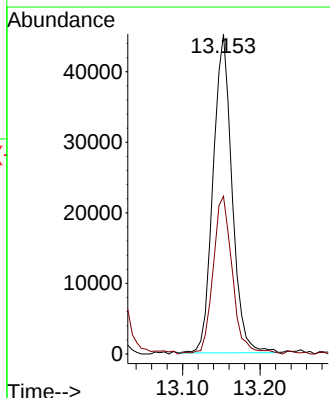
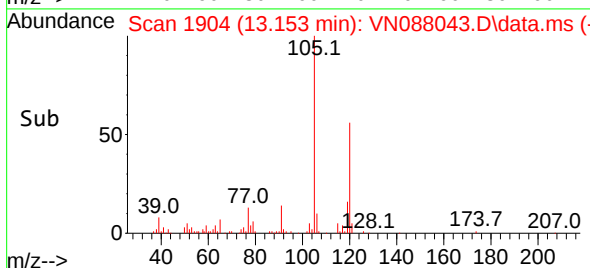
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

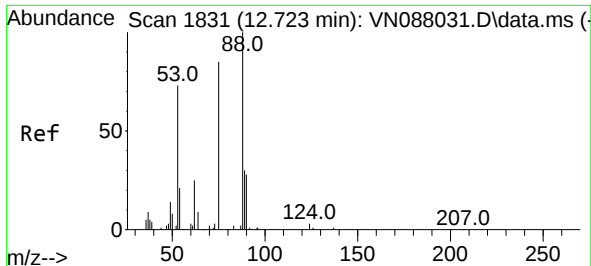


#76
1,3,5-Trimethylbenzene
Concen: 4.803 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02



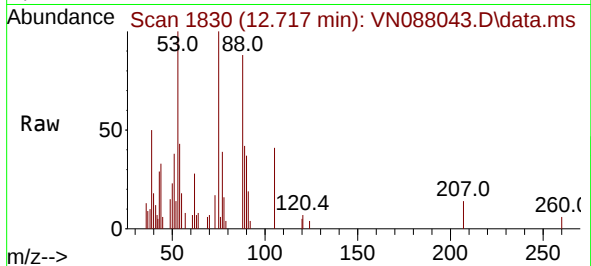
Tgt Ion:105 Resp: 77051
Ion Ratio Lower Upper
105 100
120 47.1 0.0 100.6





#77
t-1,4-Dichloro-2-butene
Concen: 3.738 ug/l m
RT: 12.717 min Scan# 1830
Delta R.T. -0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

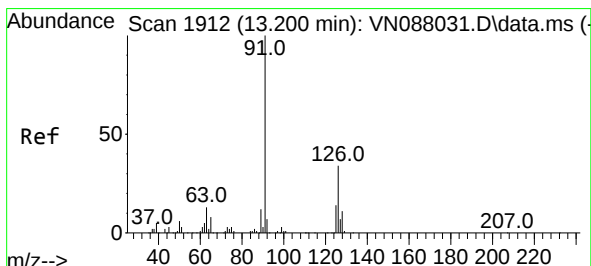
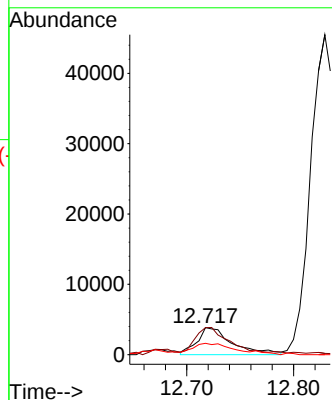
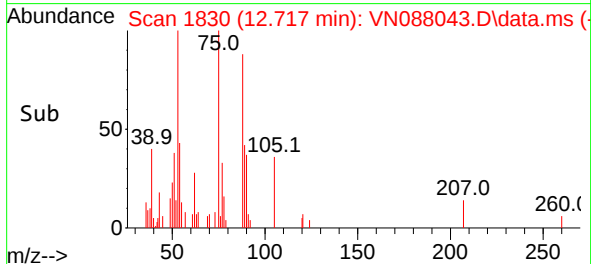
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2025



Tgt Ion: 75 Resp: 8859
Ion Ratio Lower Upper
75 100
53 100.0 41.8 125.3
89 41.8 19.9 59.6

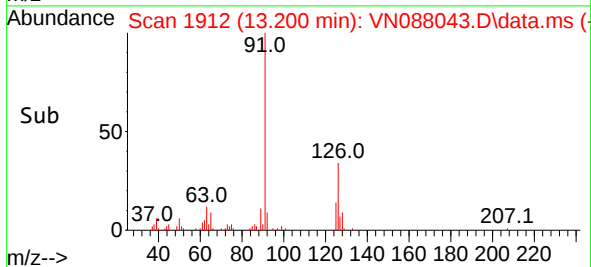
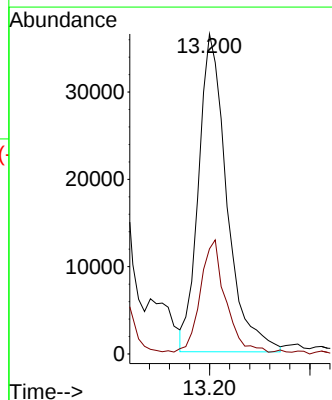
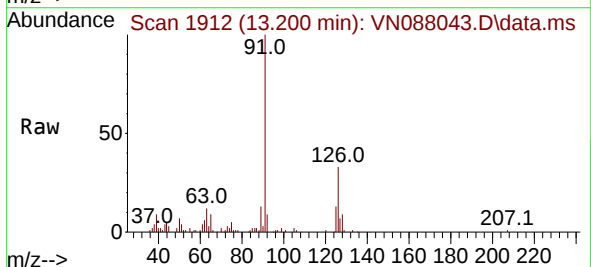
Manual Integrations
APPROVED

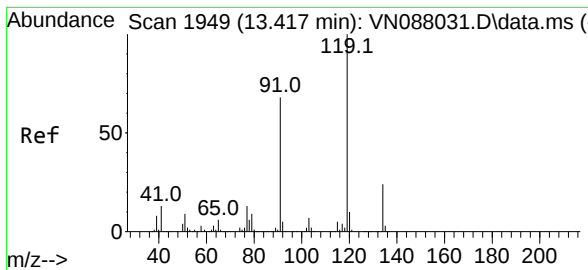
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#78
4-Chlorotoluene
Concen: 5.051 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

Tgt Ion: 91 Resp: 71542
Ion Ratio Lower Upper
91 100
126 32.6 0.0 68.8





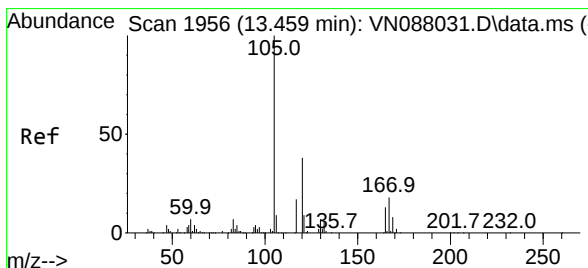
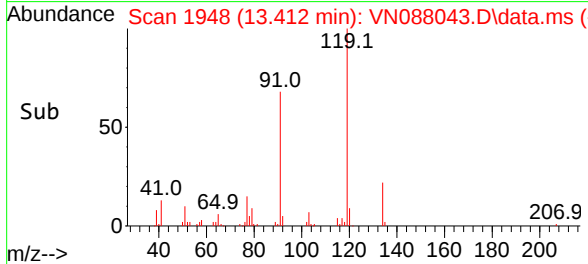
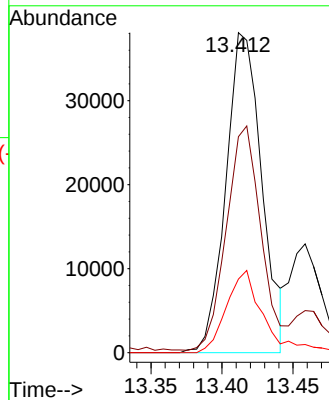
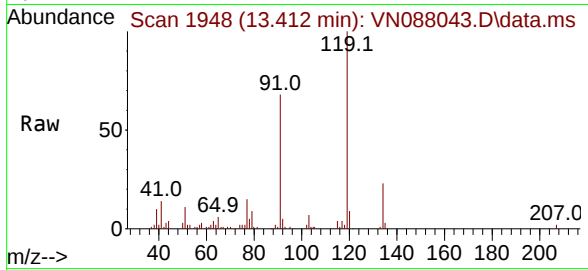
#79
tert-butylbenzene
Concen: 4.818 ug/l
RT: 13.412 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2025

Tgt Ion:119 Resp: 67015
Ion Ratio Lower Upper
119 100
91 68.2 0.0 132.4
134 23.9 0.0 48.6

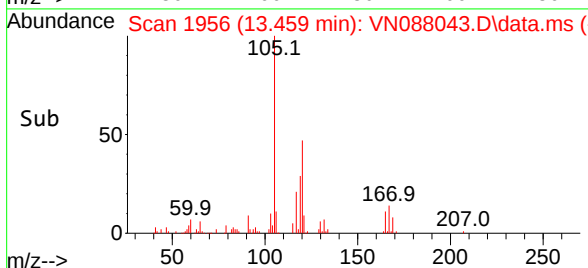
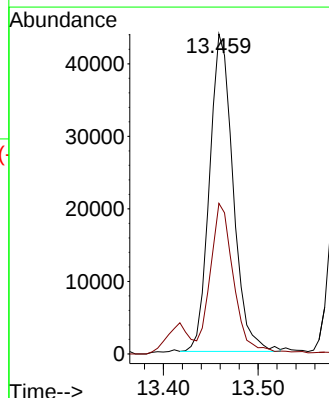
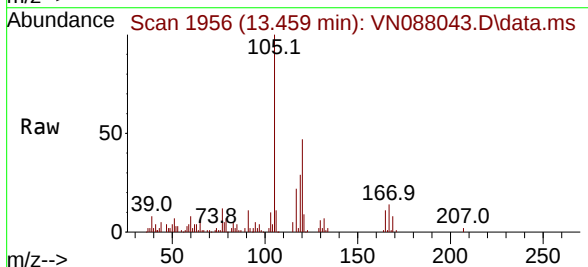
Manual Integrations
APPROVED

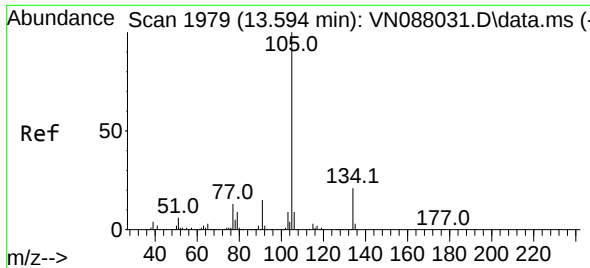
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#80
1,2,4-Trimethylbenzene
Concen: 4.715 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

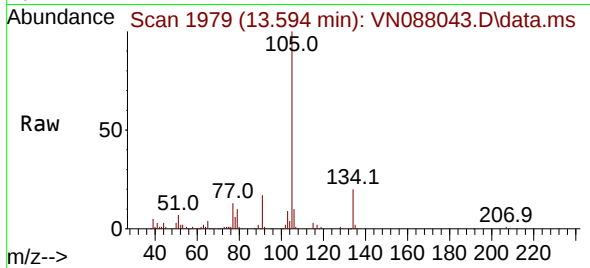
Tgt Ion:105 Resp: 75720
Ion Ratio Lower Upper
105 100
120 45.3 0.0 93.8





#81
 sec-Butylbenzene
 Concen: 4.885 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN088043.D
 Acq: 08 Oct 2025 16:02

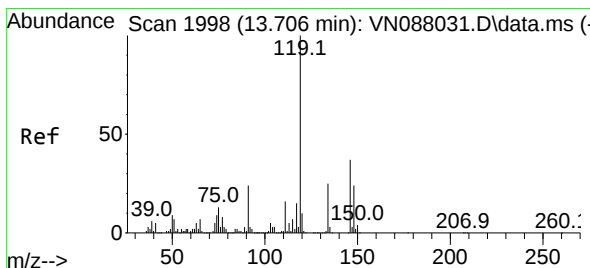
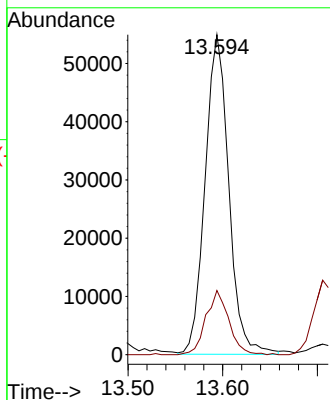
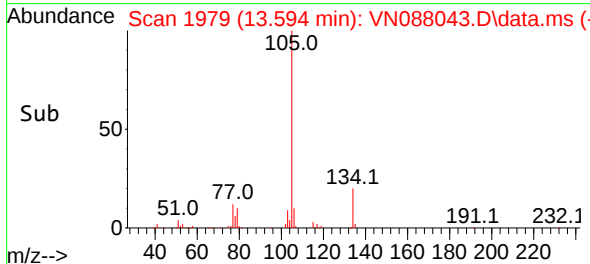
Instrument : MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2025



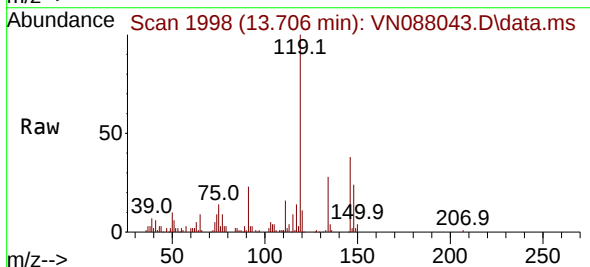
Tgt Ion:105 Resp: 95520
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 41.2

Manual Integrations
 APPROVED

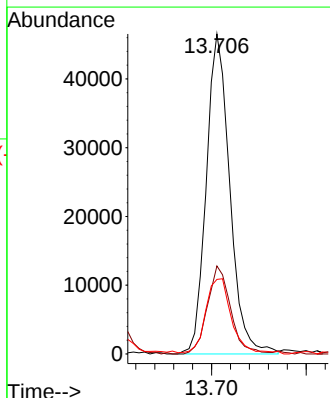
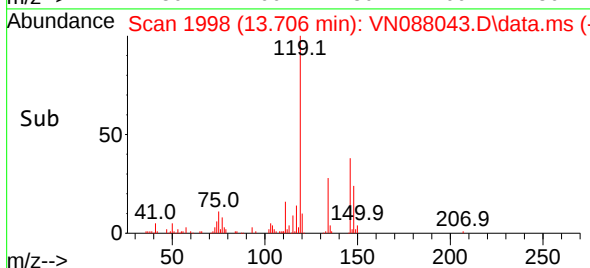
Reviewed By :John Carlone 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025

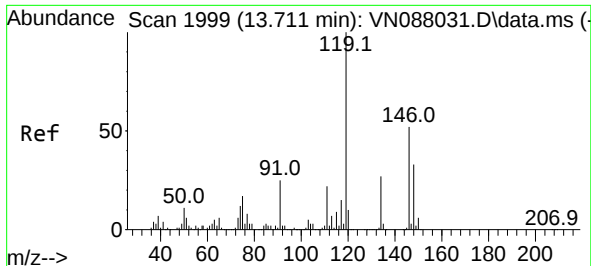


#82
 p-Isopropyltoluene
 Concen: 4.808 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN088043.D
 Acq: 08 Oct 2025 16:02



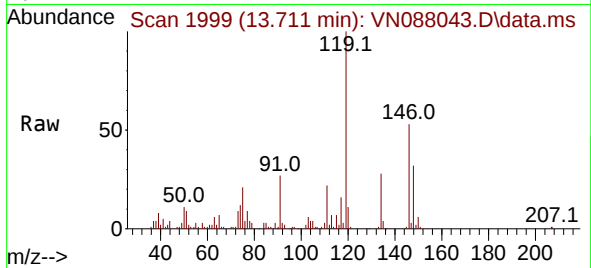
Tgt Ion:119 Resp: 80276
 Ion Ratio Lower Upper
 119 100
 134 27.2 0.0 52.6
 91 24.2 0.0 48.2





#83
1,3-Dichlorobenzene
Concen: 4.665 ug/l
RT: 13.711 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

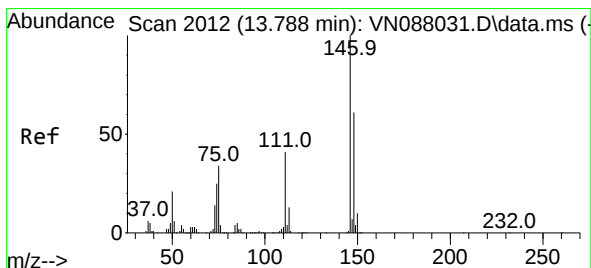
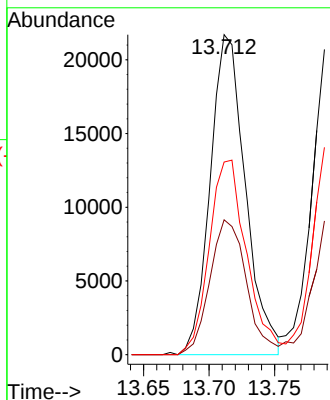
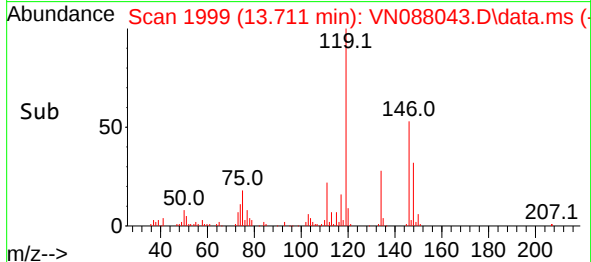
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



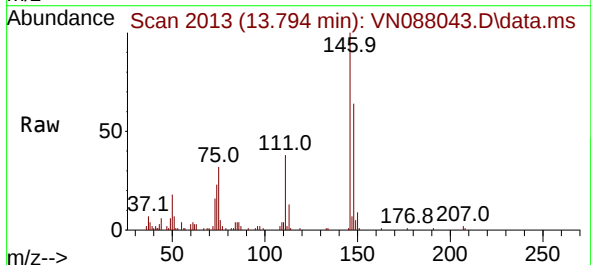
Tgt Ion:146 Resp: 4052
Ion Ratio Lower Upper
146 100
111 43.9 21.1 63.1
148 64.9 31.5 94.5

Manual Integrations
APPROVED

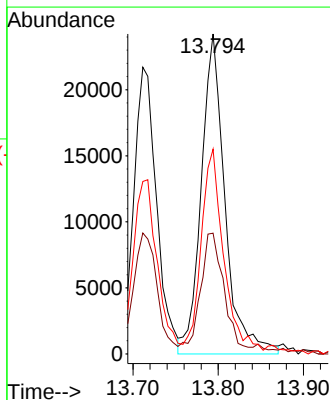
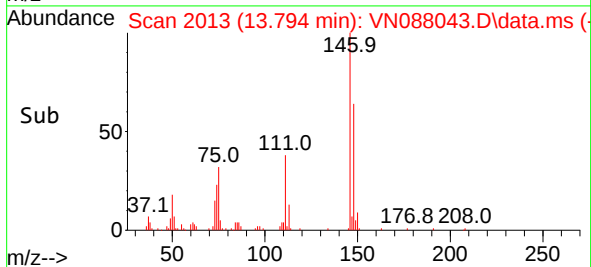
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

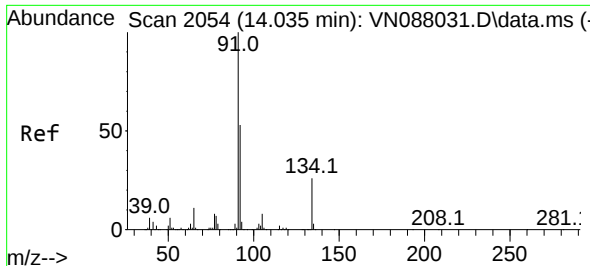


#84
1,4-Dichlorobenzene
Concen: 5.240 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02



Tgt Ion:146 Resp: 46942
Ion Ratio Lower Upper
146 100
111 38.7 20.5 61.6
148 59.2 31.9 95.9





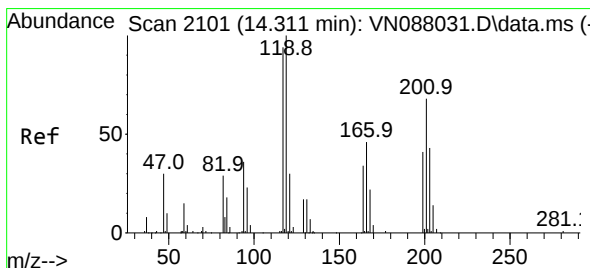
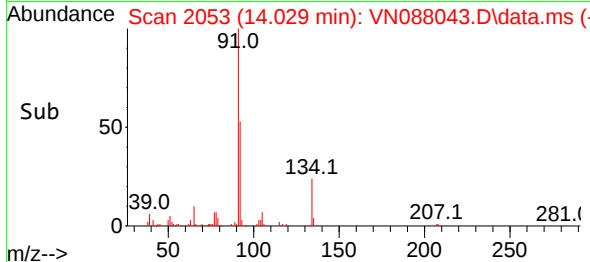
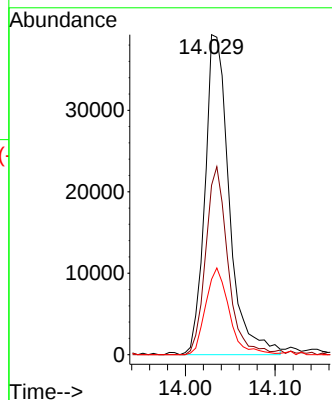
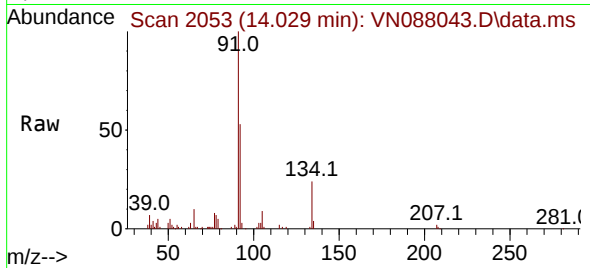
#85
n-Butylbenzene
Concen: 4.757 ug/l
RT: 14.029 min Scan# 2054
Delta R.T. -0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025

Tgt Ion: 91 Resp: 7388
Ion Ratio Lower Upper
91 100
92 53.7 0.0 107.6
134 26.2 0.0 52.6

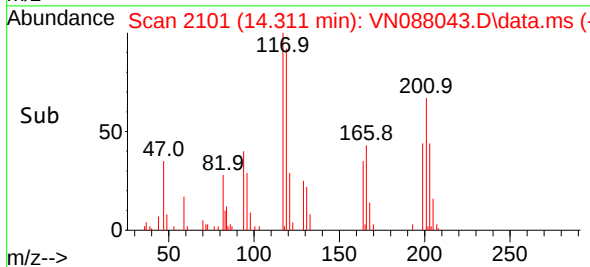
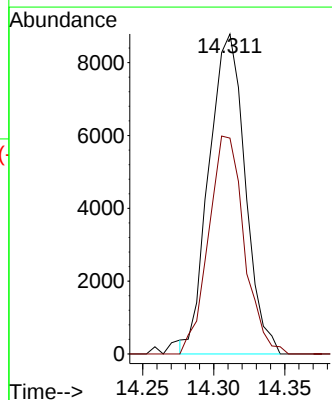
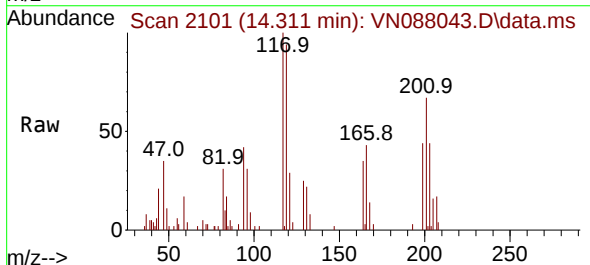
Manual Integrations
APPROVED

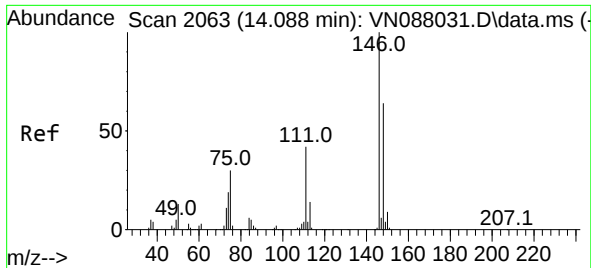
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#86
Hexachloroethane
Concen: 4.649 ug/l
RT: 14.311 min Scan# 2101
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

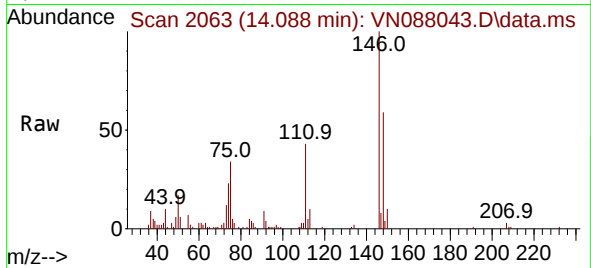
Tgt Ion:117 Resp: 15548
Ion Ratio Lower Upper
117 100
201 67.2 34.8 104.3





#87
1,2-Dichlorobenzene
Concen: 4.791 ug/l
RT: 14.088 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

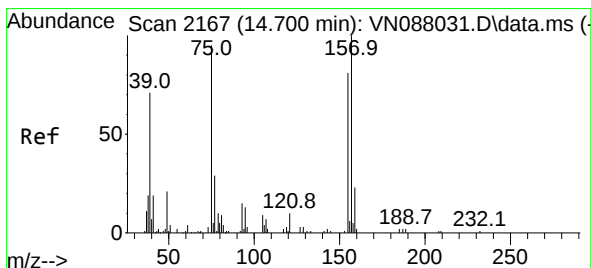
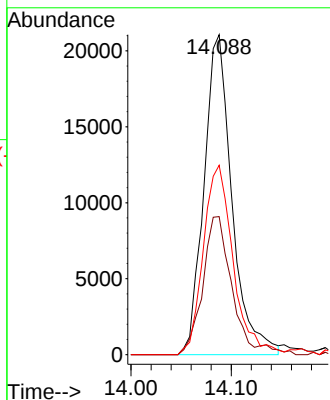
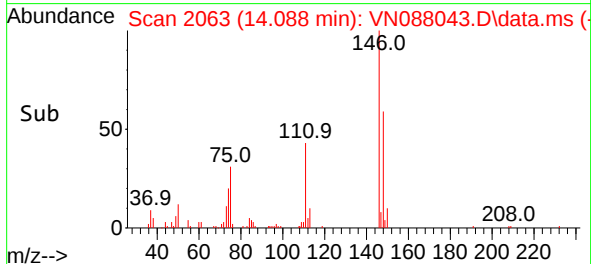
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion:146 Resp: 40934
Ion Ratio Lower Upper
146 100
111 43.1 22.3 66.8
148 61.6 31.4 94.3

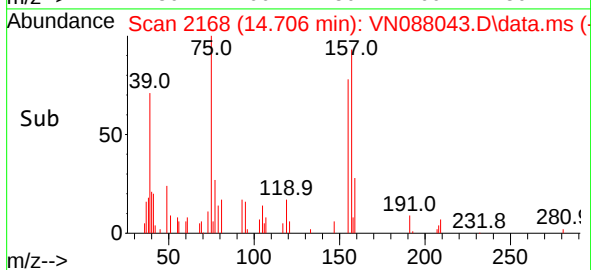
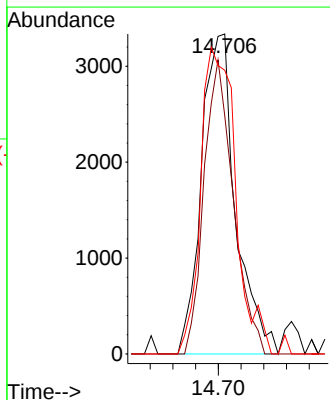
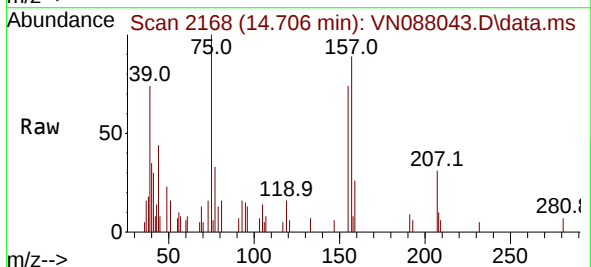
Manual Integrations
APPROVED

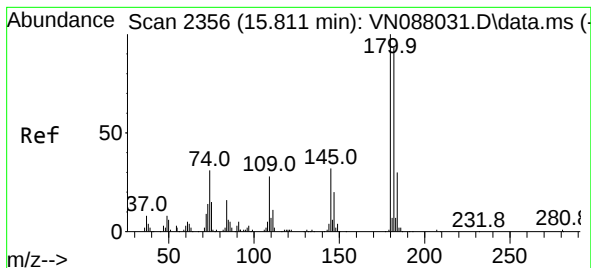
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 4.749 ug/l
RT: 14.706 min Scan# 2168
Delta R.T. 0.006 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

Tgt Ion: 75 Resp: 6984
Ion Ratio Lower Upper
75 100
155 78.6 63.5 95.3
157 68.9 81.7 122.5#





#89

1,2,4-Trichlorobenzene

Concen: 4.585 ug/l

RT: 15.811 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN088043.D

Acq: 08 Oct 2025 16:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2025

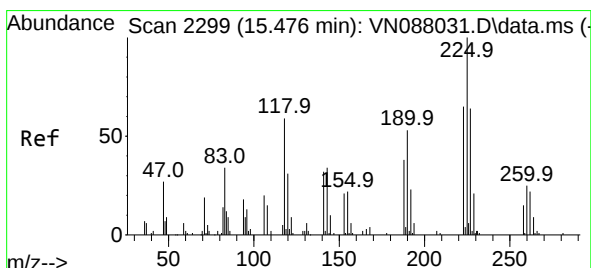
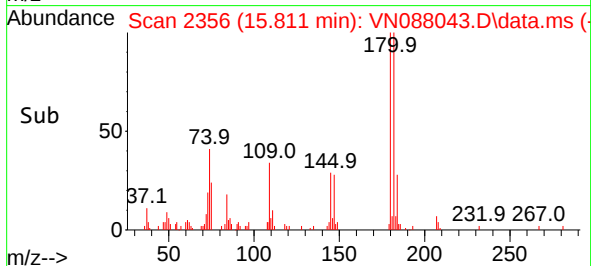
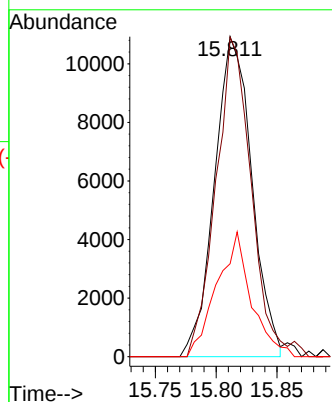
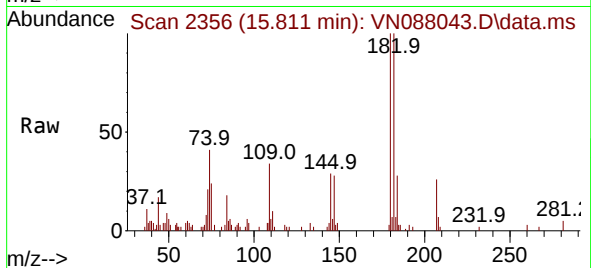
Tgt Ion:	180	Resp:	2333
Ion Ratio	Lower	Upper	
180	100		
182	93.3	74.6	112.0
145	35.9	27.2	40.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#90

Hexachlorobutadiene

Concen: 4.932 ug/l

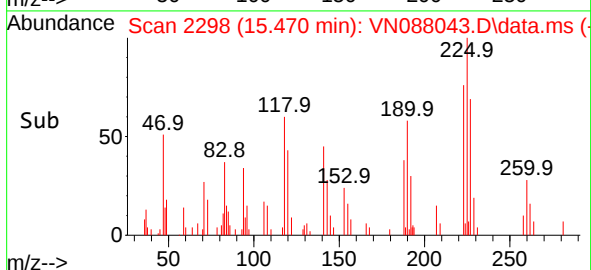
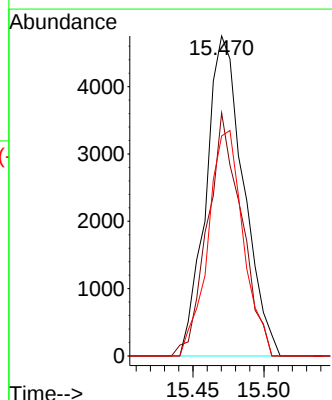
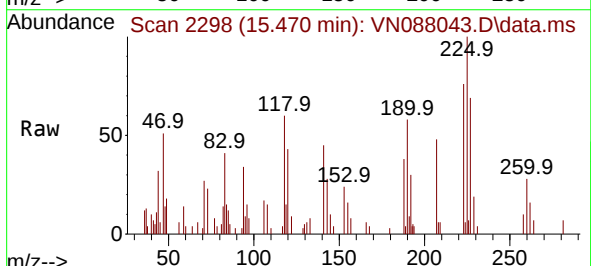
RT: 15.470 min Scan# 2298

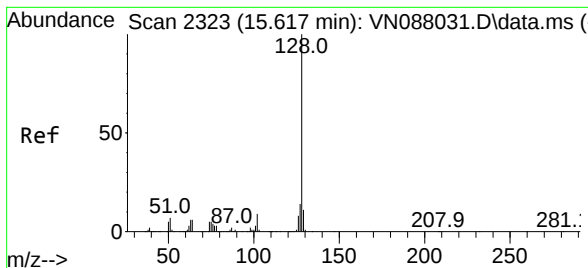
Delta R.T. -0.006 min

Lab File: VN088043.D

Acq: 08 Oct 2025 16:02

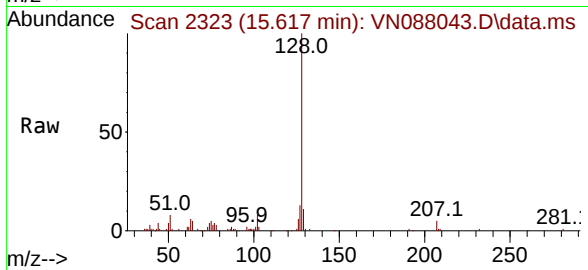
Tgt Ion:	225	Resp:	8735
Ion Ratio	Lower	Upper	
225	100		
223	68.9	0.0	129.6
227	66.1	0.0	132.2





#91
Naphthalene
Concen: 4.686 ug/l
RT: 15.617 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02

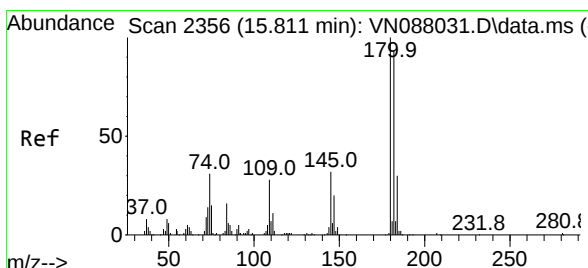
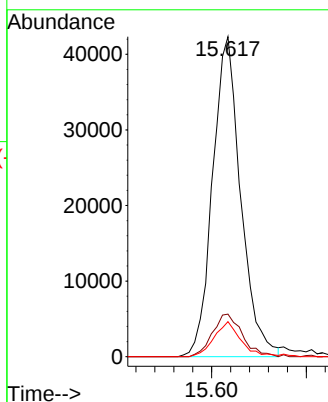
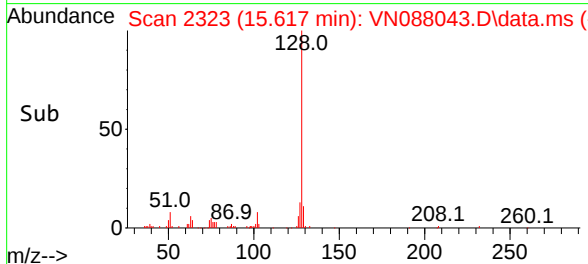
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2025



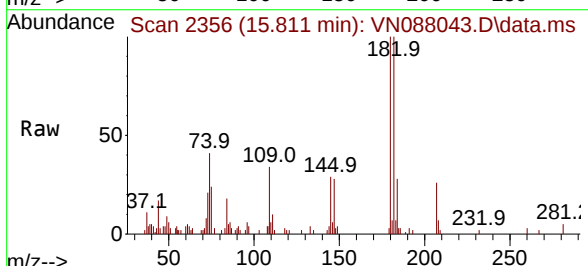
Tgt Ion:128 Resp: 87302
Ion Ratio Lower Upper
128 100
127 14.1 10.3 15.5
129 10.1 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#92
1,2,3-Trichlorobenzene
Concen: 4.585 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN088043.D
Acq: 08 Oct 2025 16:02



Tgt Ion:180 Resp: 23331
Ion Ratio Lower Upper
180 100
182 93.3 0.0 186.6
145 35.9 0.0 68.0

