

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
 Data File : VN087313.D
 Acq On : 09 Jul 2025 16:09
 Operator : JC\MD
 Sample : Q2126-09 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2025

Quant Time: Jul 10 01:26:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/10/2025
 Supervised By : Mahesh Dadoda 07/10/2025

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

Internal Standards						
1) Bromochloromethane	7.818	128	39189	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	201445	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	184098	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	86126	29.169	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.233%		
60) 4-Bromofluorobenzene	12.847	95	83088	29.248	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.500%		
63) Toluene-d8	10.565	98	249509	30.185	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.633%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.160	85	5036	2.135	ug/l	85
3) Chloromethane	2.401	50	4759	1.975	ug/l	97
4) Vinyl Chloride	2.554	62	5028	1.920	ug/l	98
5) Bromomethane	2.995	94	5784	4.162	ug/l #	67
6) Chloroethane	3.154	64	4305	3.065	ug/l #	84
7) Trichlorofluoromethane	3.530	101	8825	2.747	ug/l #	67
8) Diethyl Ether	3.977	74	3000	1.901	ug/l	54
9) 1,1,2-Trichlorotrifluo...	4.406	101	5455m	2.291	ug/l	
10) 1,1-Dichloroethene	4.371	96	4934	2.078	ug/l #	71
11) Methyl Iodide	4.612	142	4394m	2.066	ug/l	
12) Methyl Acetate	5.053	43	6096m	1.637	ug/l	
13) Acrolein	4.201	56	4078m	7.127	ug/l	
14) Acrylonitrile	5.742	53	13901	8.003	ug/l #	81
15) Acetone	4.459	58	6956m	13.730	ug/l	
16) Carbon Disulfide	4.736	76	16022	2.308	ug/l #	94
17) Allyl chloride	5.048	41	7449m	1.902	ug/l	
18) Methylene Chloride	5.306	84	9402m	3.419	ug/l	
19) trans-1,2-Dichloroethene	5.812	96	5951m	2.292	ug/l	
20) Diisopropyl ether	6.683	45	11861	1.428	ug/l #	83
21) 1,1-Dichloroethane	6.583	63	9992m	2.012	ug/l	
22) cis-1,2-Dichloroethene	7.500	96	6815m	2.256	ug/l	
23) tert-Butyl Alcohol	5.536	59	5896	9.026	ug/l #	100
24) Methyl tert-Butyl Ether	5.830	73	15601m	1.874	ug/l	
25) Chloroform	7.971	83	10901	2.292	ug/l	93
26) Cyclohexane	8.259	56	6599	1.599	ug/l #	89
29) 1,1-Dichloropropene	8.371	75	6820	2.172	ug/l	80
30) 2-Butanone	7.494	43	23527	11.108	ug/l	94
31) 2,2-Dichloropropane	7.500	77	10157	2.680	ug/l #	88
32) 1,1,1-Trichloroethane	8.177	97	9996	2.725	ug/l #	36
33) Carbon Tetrachloride	8.365	117	8647	2.801	ug/l #	91
34) Benzene	8.606	78	22408	2.253	ug/l #	60
35) Methacrylonitrile	7.789	41	3530	1.654	ug/l	86
36) 1,2-Dichloroethane	8.677	62	8408	2.616	ug/l	95
37) Trichloroethene	9.353	130	6109	2.663	ug/l #	71
38) Methylcyclohexane	9.606	83	7313	2.030	ug/l	93
39) 1,2-Dichloropropane	9.624	63	5496	2.201	ug/l	94
40) Dibromomethane	9.712	93	4697	2.767	ug/l	95
41) Bromodichloromethane	9.888	83	9185	2.680	ug/l	85
42) Vinyl Acetate	6.624	43	49727	7.219	ug/l #	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.577	43	7671m	2.006	ug/l	
44) Isopropyl Acetate	8.694	43	11378	1.826	ug/l	93
45) 1,4-Dioxane	9.700	88	1574m	37.352	ug/l	
46) Methyl methacrylate	9.688	41	4229	1.460	ug/l	93
48) t-1,3-Dichloropropene	10.835	75	7850	2.055	ug/l	92
49) cis-1,3-Dichloropropene	10.312	75	8910	2.194	ug/l	91
50) 1,1,2-Trichloroethane	11.018	97	5859	2.430	ug/l	94
51) Ethyl methacrylate	10.900	69	4796m	1.307	ug/l	
52) 1,3-Dichloropropane	11.165	76	9331	2.254	ug/l	99
53) Dibromochloromethane	11.365	129	6198	2.448	ug/l	95
54) 1,2-Dibromoethane	11.471	107	5850	2.351	ug/l	90
55) 2-Chloroethyl vinyl ether	10.165	63	13713	6.518	ug/l	99
56) Bromoform	12.571	173	4435m	2.549	ug/l	
58) 4-Methyl-2-Pentanone	10.453	43	25376	6.856	ug/l	96
59) 2-Hexanone	11.259	43	30292m	12.675	ug/l	
61) Tetrachloroethene	11.106	164	4555	2.498	ug/l	94
62) Toluene	10.635	91	26748	2.573	ug/l	96
64) Chlorobenzene	11.888	112	16417	2.475	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.959	131	5902	2.693	ug/l	89
66) Ethyl Benzene	11.965	91	23323	2.049	ug/l	99
67) m/p-Xylenes	12.071	106	17933	4.112	ug/l	98
68) o-Xylene	12.394	106	8823	2.121	ug/l	93
69) Styrene	12.412	104	12981	1.817	ug/l	98
70) Isopropylbenzene	12.694	105	20928	2.020	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	9026	2.420	ug/l	95
72) 1,2,3-Trichloropropane	13.000	75	7137m	2.219	ug/l	
73) Bromobenzene	12.976	156	5849	2.327	ug/l	94
74) n-propylbenzene	13.035	91	27331	2.159	ug/l	99
75) 2-Chlorotoluene	13.123	91	16848	2.203	ug/l	98
76) 1,3,5-Trimethylbenzene	13.171	105	17646	2.092	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	2614m	1.832	ug/l	
78) 4-Chlorotoluene	13.223	91	17233	2.200	ug/l	98
79) tert-butylbenzene	13.435	119	14605	2.060	ug/l	95
80) 1,2,4-Trimethylbenzene	13.482	105	16817	1.985	ug/l	96
81) sec-Butylbenzene	13.612	105	21346	2.071	ug/l	98
82) p-Isopropyltoluene	13.723	119	16498	1.923	ug/l	96
83) 1,3-Dichlorobenzene	13.735	146	12221	2.525	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	12049	2.473	ug/l	99
85) n-Butylbenzene	14.053	91	15537	1.985	ug/l	93
86) Hexachloroethane	14.335	117	4554	2.805	ug/l	93
87) 1,2-Dichlorobenzene	14.106	146	10737	2.353	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	1854	2.208	ug/l #	74
89) 1,2,4-Trichlorobenzene	15.835	180	5932	2.297	ug/l	91
90) Hexachlorobutadiene	15.488	225	1853	2.418	ug/l	79
91) Naphthalene	15.641	128	17714	1.743	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	5932	2.297	ug/l	91

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

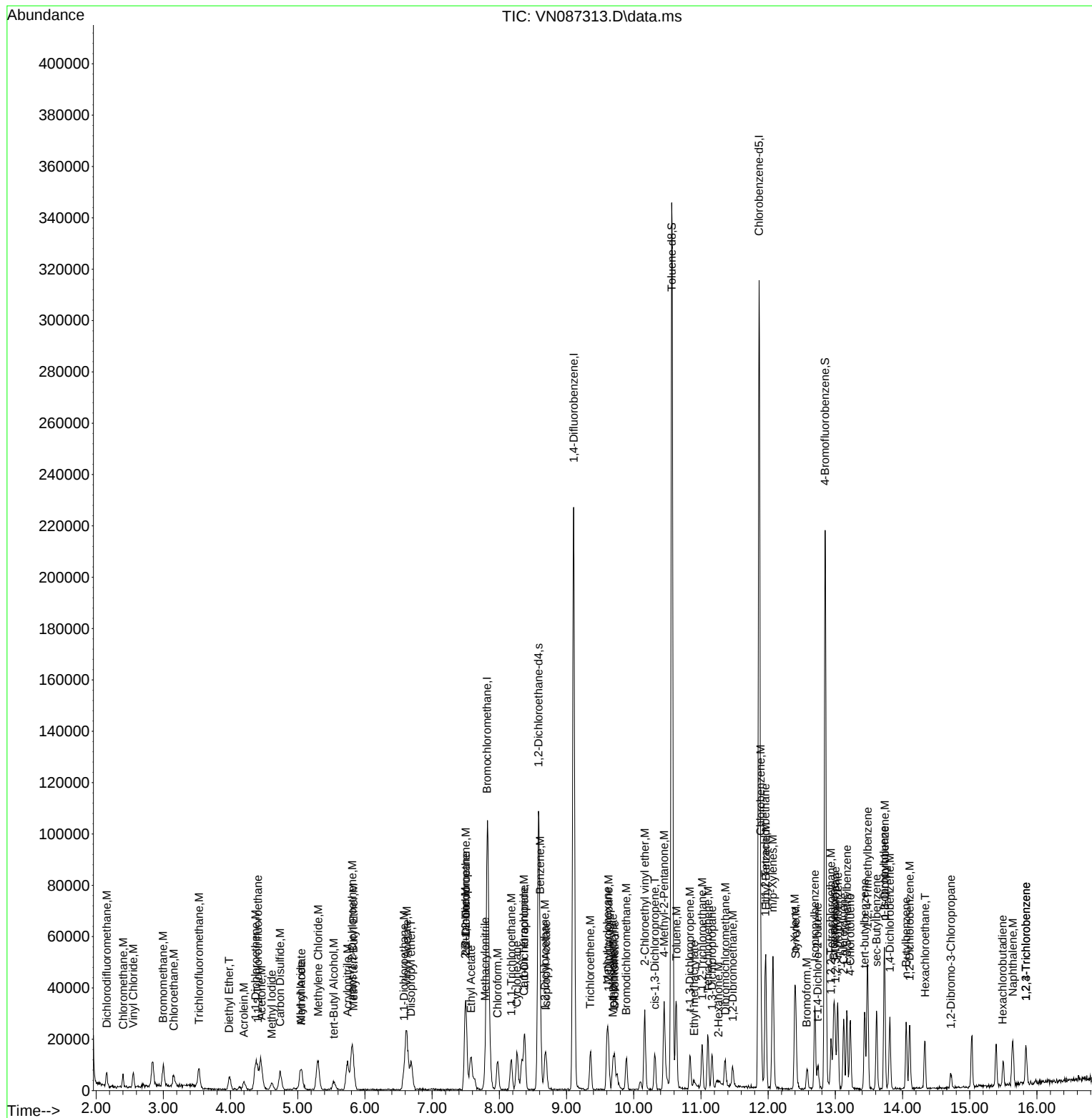
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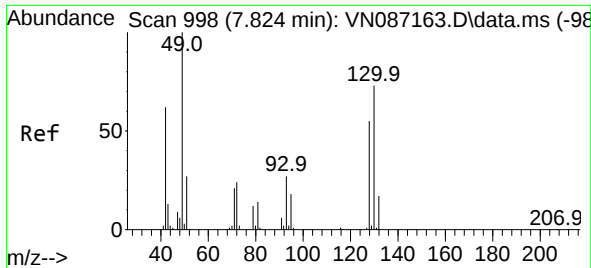
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MSVOA_N
ClientSampleId :
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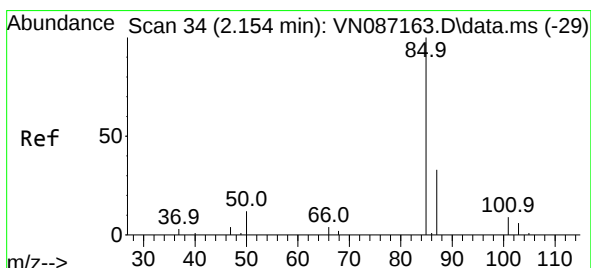
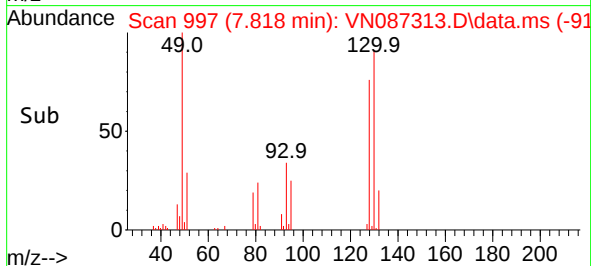
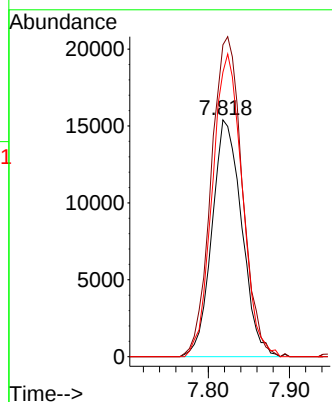
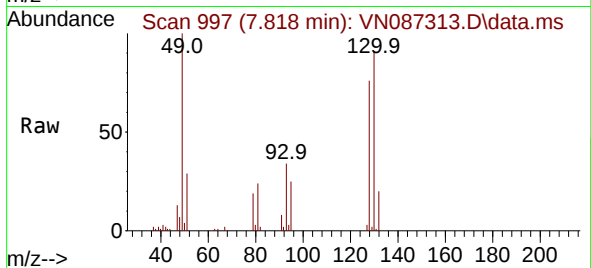
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion:128 Resp: 39189
Ion Ratio Lower Upper
128 100
49 141.2 0.0 450.5
130 128.4 0.0 320.7

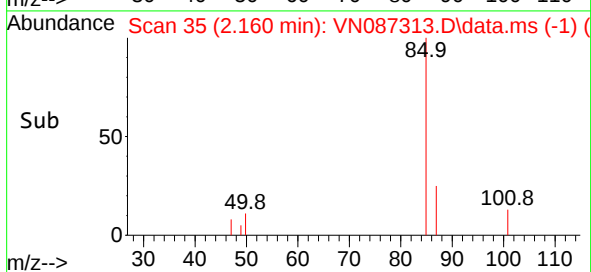
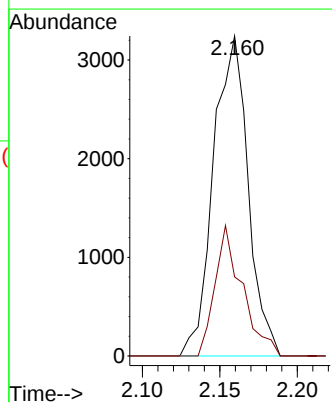
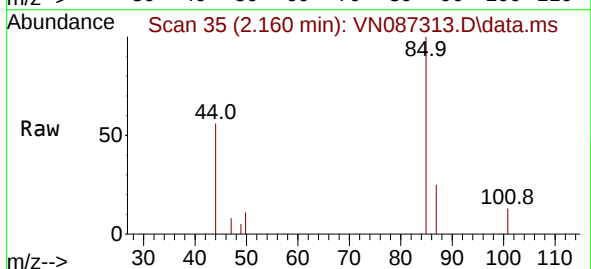
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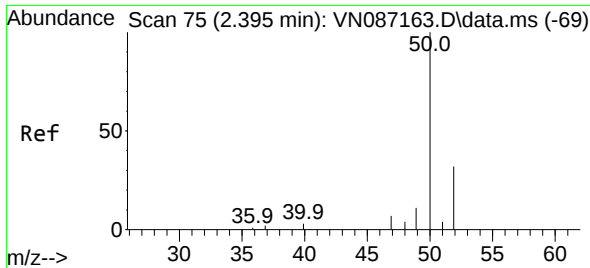
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#2
Dichlorodifluoromethane
Concen: 2.135 ug/l
RT: 2.160 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Tgt Ion: 85 Resp: 5036
Ion Ratio Lower Upper
85 100
87 24.7 16.7 50.0





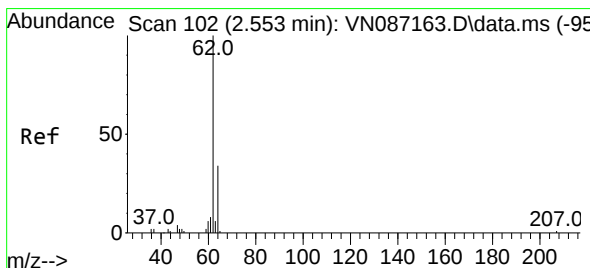
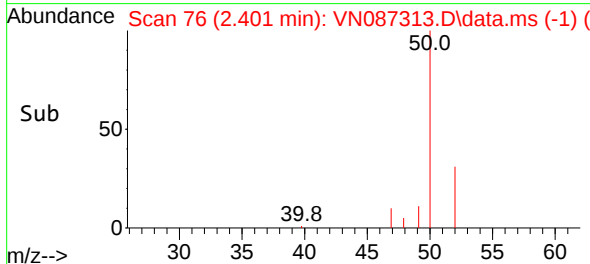
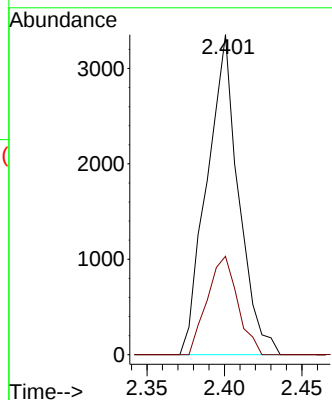
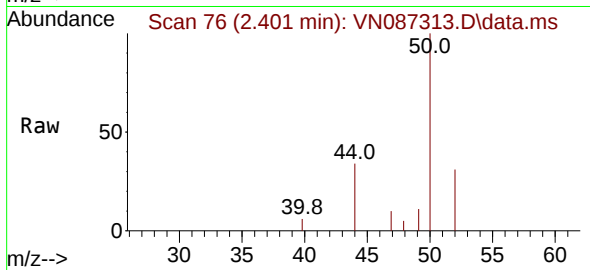
#3
Chloromethane
Concen: 1.975 ug/l
RT: 2.401 min Scan# 75
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion: 50 Resp: 4758
Ion Ratio Lower Upper
50 100
52 30.7 25.9 38.9

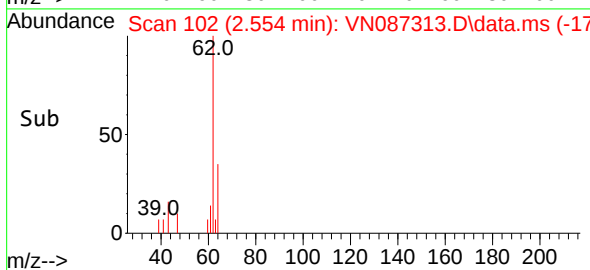
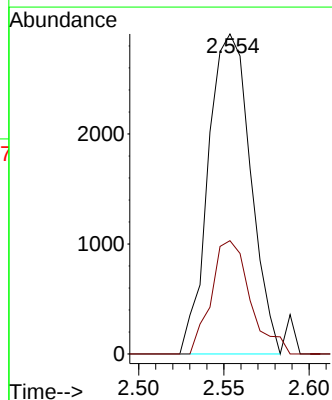
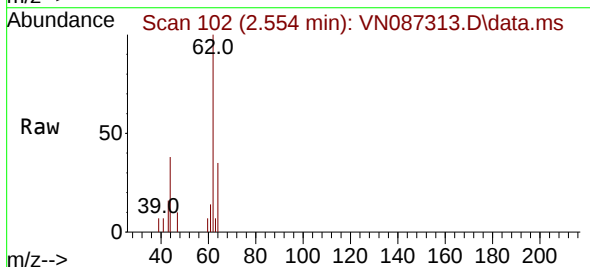
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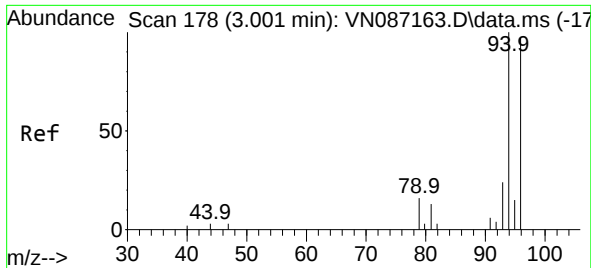
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#4
Vinyl Chloride
Concen: 1.920 ug/l
RT: 2.554 min Scan# 102
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Tgt Ion: 62 Resp: 5028
Ion Ratio Lower Upper
62 100
64 35.4 27.4 41.2





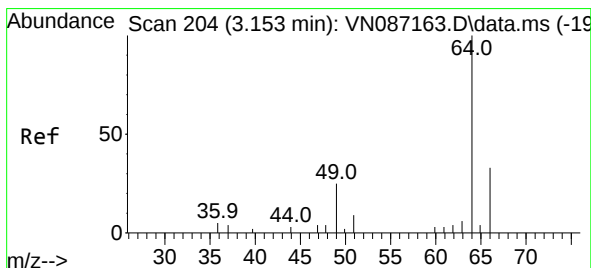
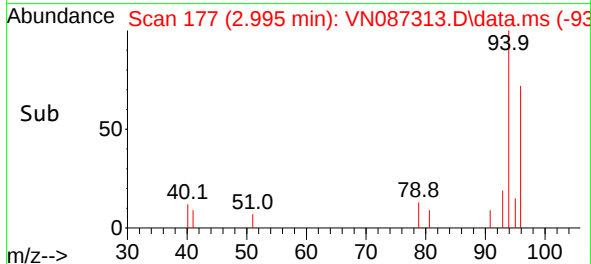
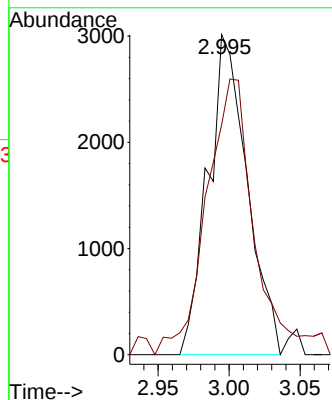
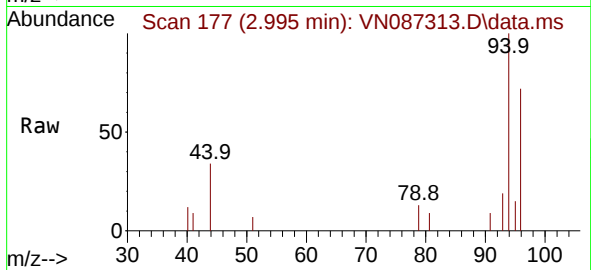
#5
Bromomethane
Concen: 4.162 ug/l
RT: 2.995 min Scan# 178
Delta R.T. -0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

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ClientSampleId : MDL-WATER-03-QT2-2025

Tgt Ion: 94 Resp: 5784
Ion Ratio Lower Upper
94 100
96 65.0 77.9 116.9

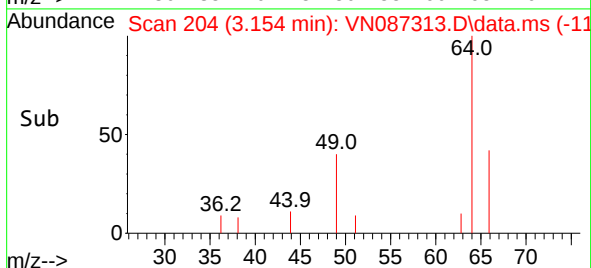
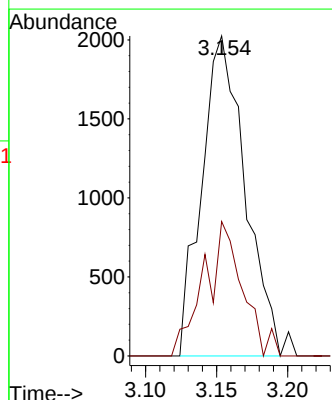
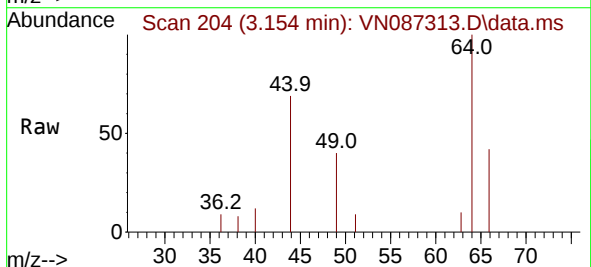
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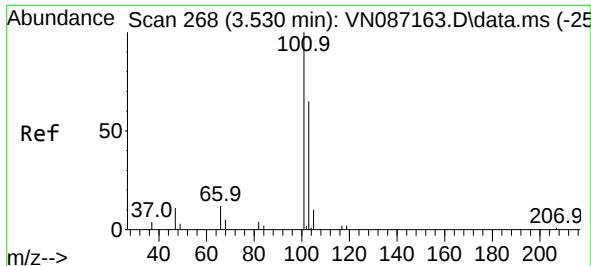
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#6
Chloroethane
Concen: 3.065 ug/l
RT: 3.154 min Scan# 204
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

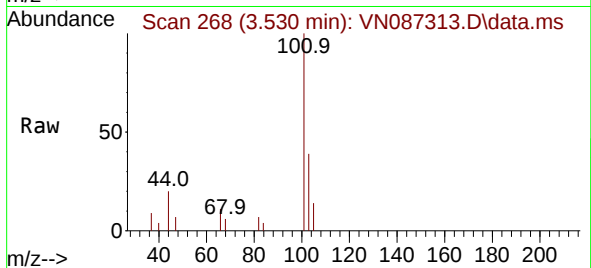
Tgt Ion: 64 Resp: 4305
Ion Ratio Lower Upper
64 100
66 42.0 26.4 39.6





#7
 Trichlorofluoromethane
 Concen: 2.747 ug/l
 RT: 3.530 min Scan# 206
 Delta R.T. 0.000 min
 Lab File: VN087313.D
 Acq: 09 Jul 2025 16:09

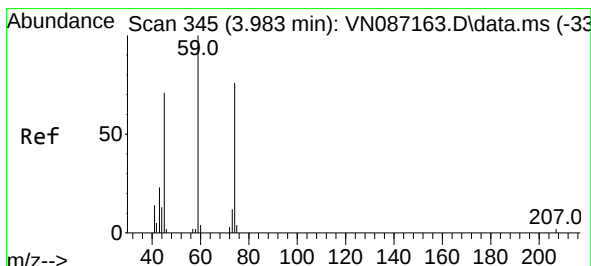
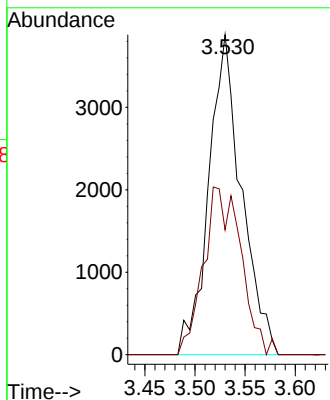
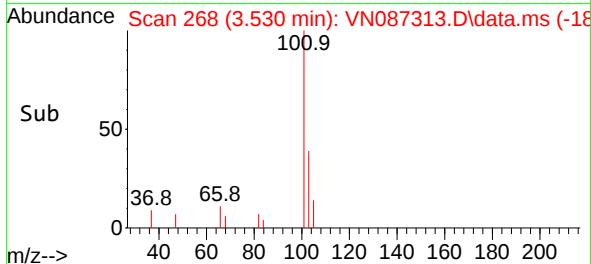
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2025



Tgt Ion: 101 Resp: 882
 Ion Ratio Lower Upper
 101 100
 103 39.0 51.8 77.8

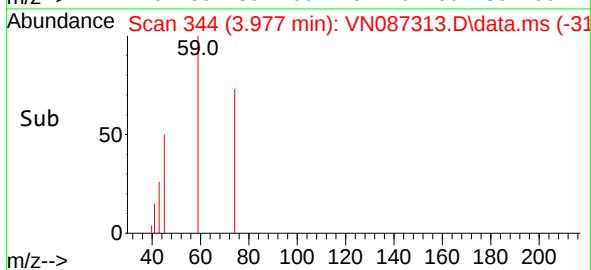
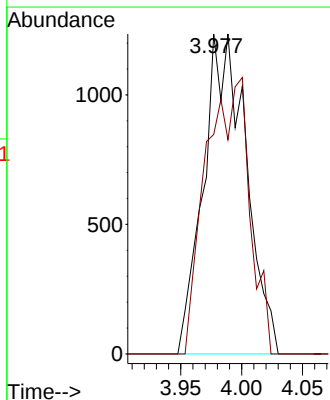
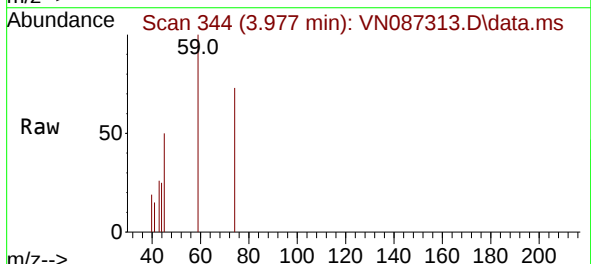
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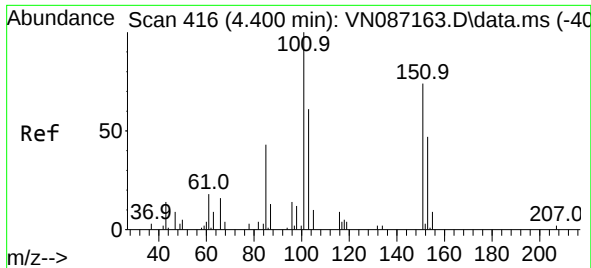
Reviewed By : John Carlone 07/10/2025
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#8
 Diethyl Ether
 Concen: 1.901 ug/l
 RT: 3.977 min Scan# 344
 Delta R.T. -0.006 min
 Lab File: VN087313.D
 Acq: 09 Jul 2025 16:09

Tgt Ion: 74 Resp: 3000
 Ion Ratio Lower Upper
 74 100
 45 50.8 19.0 171.0





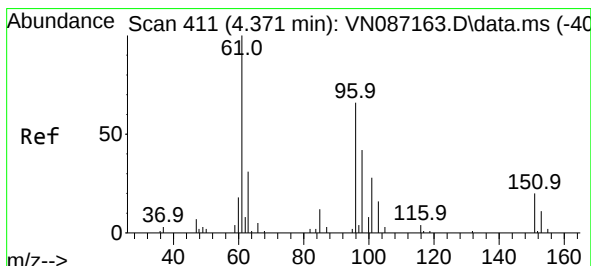
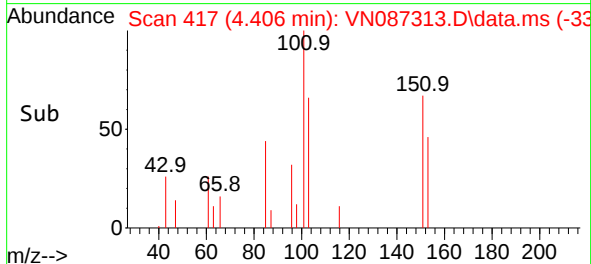
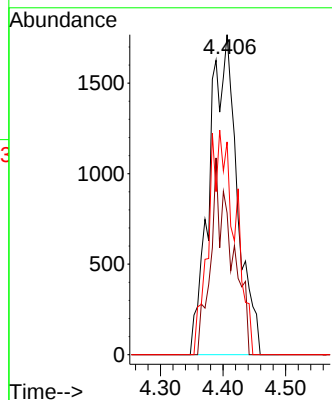
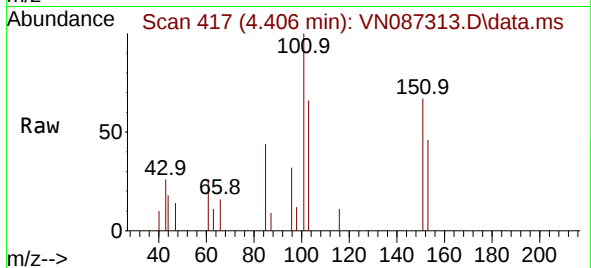
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1,1,2-Trichlorotrifluoroethane
Concen: 2.291 ug/l m
RT: 4.406 min Scan# 416
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion:101 Resp: 545
Ion Ratio Lower Upper
101 100
85 13.9 0.0 40.6
151 0.0 0.0 141.2

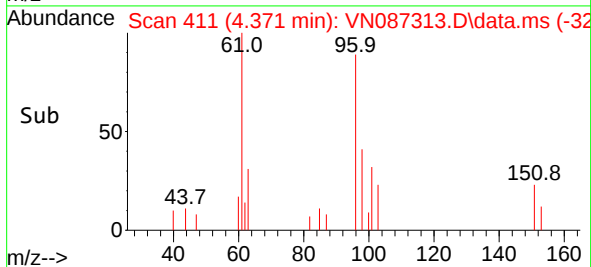
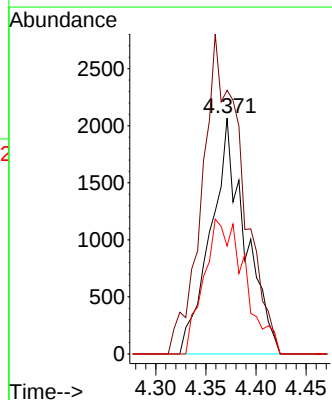
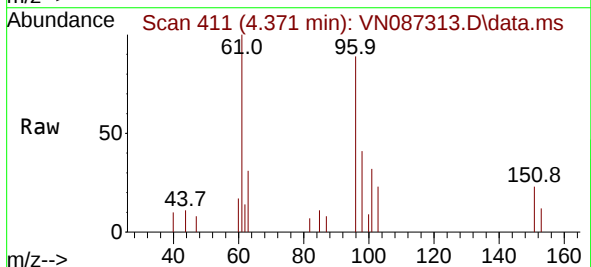
Manual Integrations
APPROVED

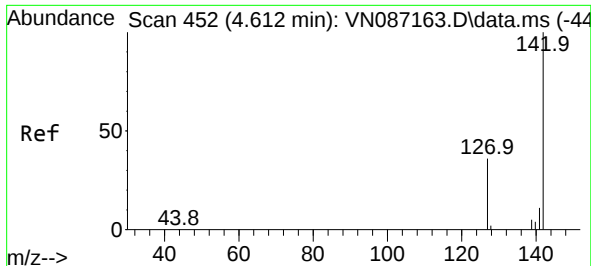
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#10
1,1-Dichloroethene
Concen: 2.078 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

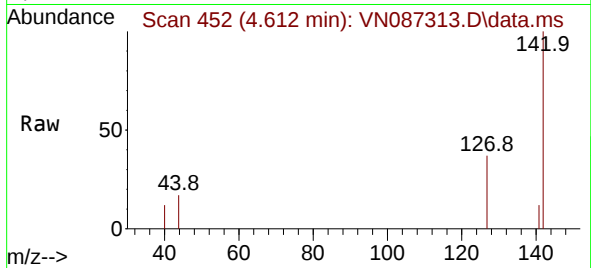
Tgt Ion: 96 Resp: 4934
Ion Ratio Lower Upper
96 100
61 111.8 122.0 183.0#
98 45.8 50.3 75.5#





#11
Methyl Iodide
Concen: 2.066 ug/l m
RT: 4.612 min Scan# 452
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

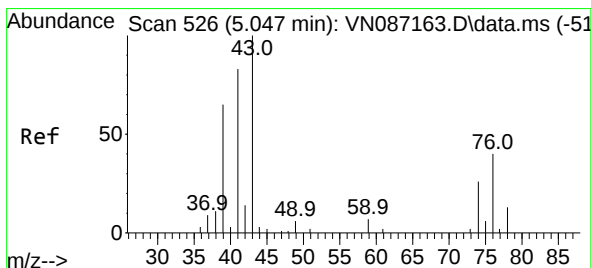
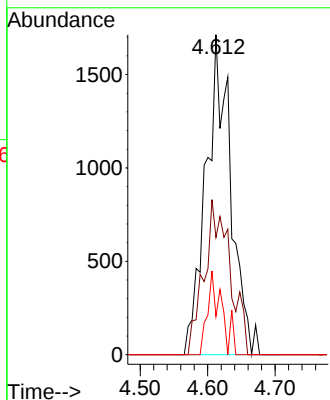
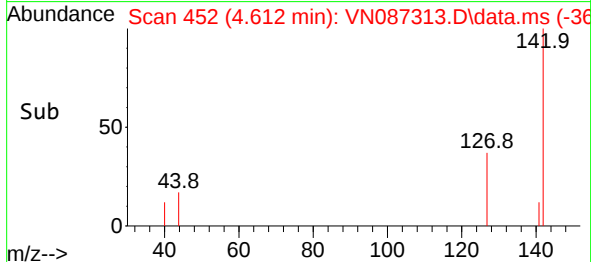
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion:142 Resp: 4394
Ion Ratio Lower Upper
142 100
127 36.7 18.1 54.1
141 12.0 5.7 17.1

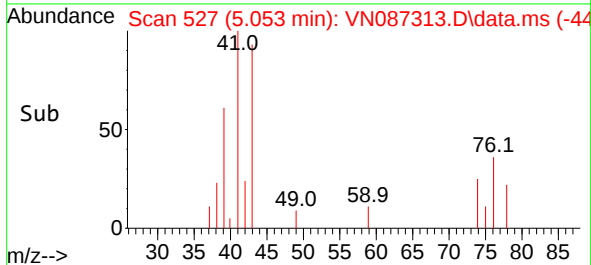
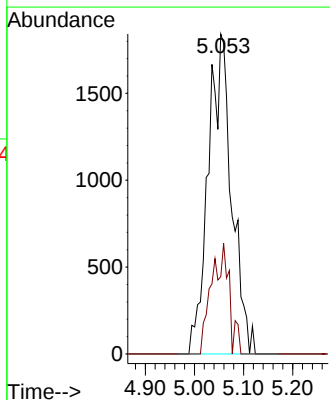
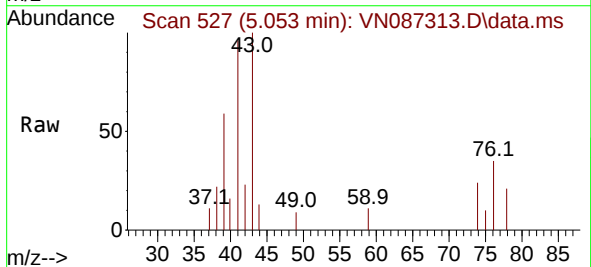
Manual Integrations
APPROVED

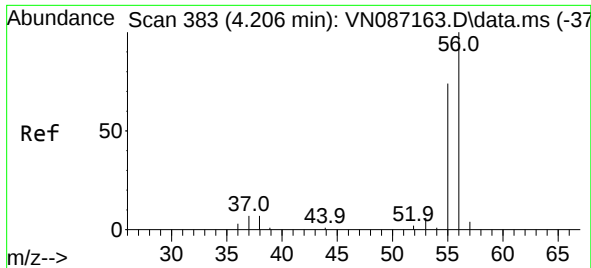
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#12
Methyl Acetate
Concen: 1.637 ug/l m
RT: 5.053 min Scan# 527
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

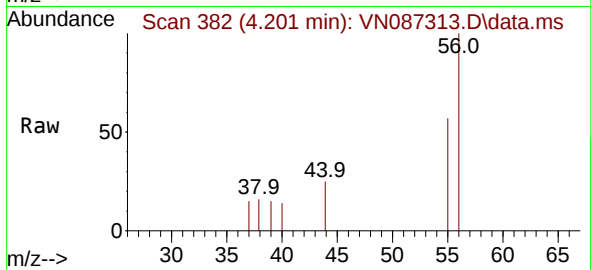
Tgt Ion: 43 Resp: 6096
Ion Ratio Lower Upper
43 100
74 24.2 20.3 30.5





#13
Acrolein
Concen: 7.127 ug/l m
RT: 4.201 min Scan# 382
Delta R.T. -0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

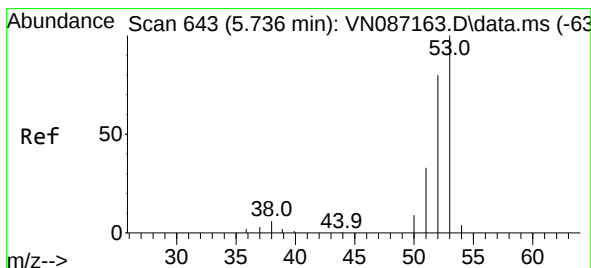
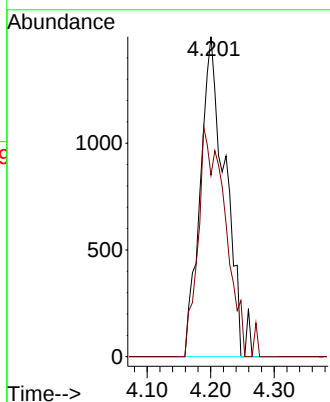
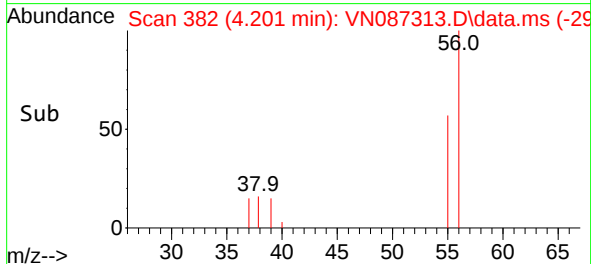
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025



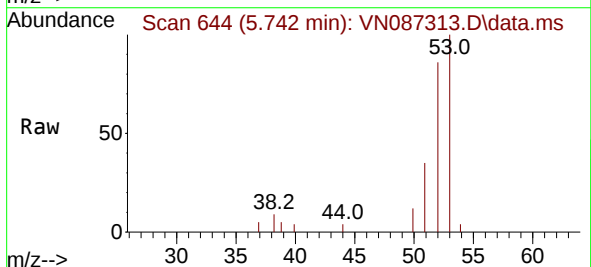
Tgt Ion: 56 Resp: 4078
Ion Ratio Lower Upper
56 100
55 38.4 55.7 83.5

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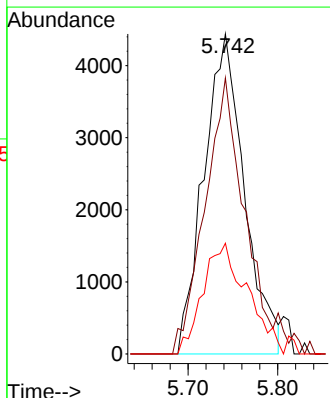
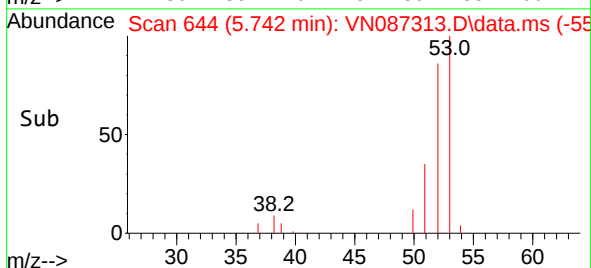
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

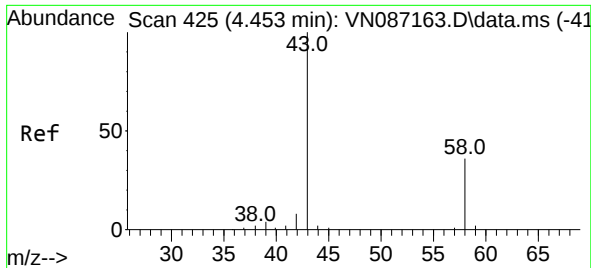


#14
Acrylonitrile
Concen: 8.003 ug/l
RT: 5.742 min Scan# 644
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09



Tgt Ion: 53 Resp: 13901
Ion Ratio Lower Upper
53 100
52 83.1 40.5 121.5
51 0.0 16.9 50.7





#15

Acetone

Concen: 13.730 ug/l m

RT: 4.459 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN087313.D

Acq: 09 Jul 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

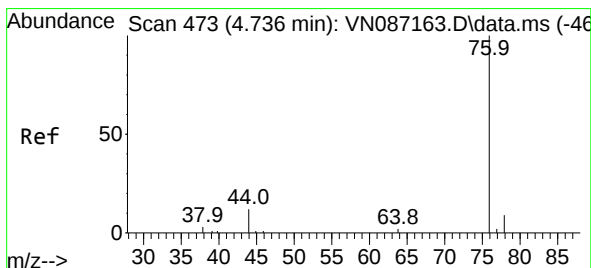
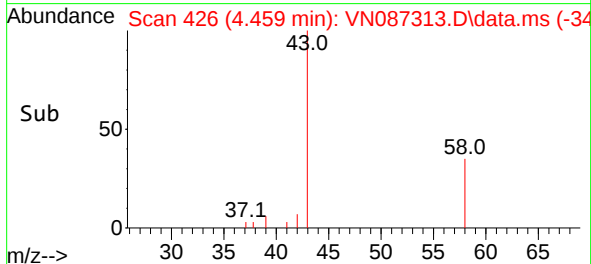
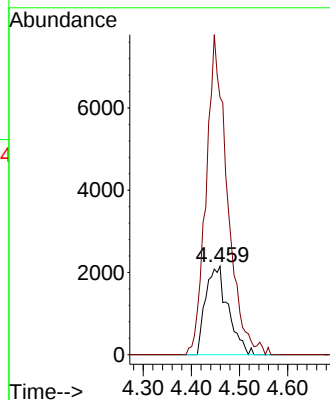
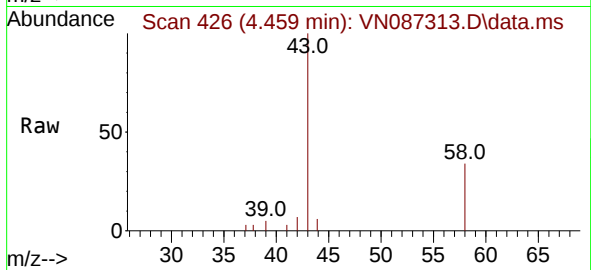
Tgt Ion: 58 Resp: 6950
 Ion Ratio Lower Upper
 58 100
 43 291.3 224.3 336.5

Manual Integrations

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Reviewed By :John Carlone 07/10/2025

Supervised By :Mahesh Dadoda 07/10/2025



#16

Carbon Disulfide

Concen: 2.308 ug/l

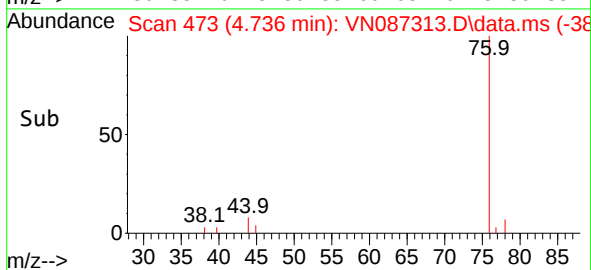
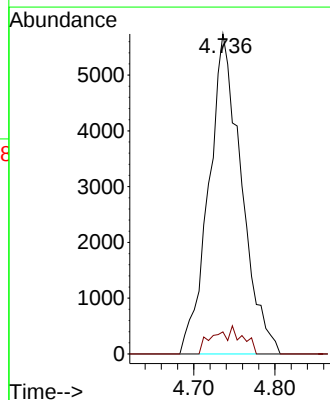
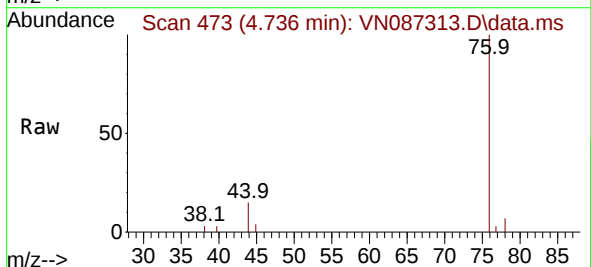
RT: 4.736 min Scan# 473

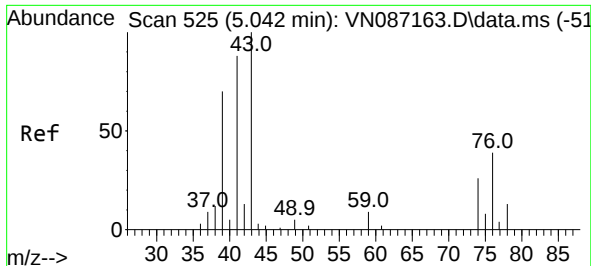
Delta R.T. 0.000 min

Lab File: VN087313.D

Acq: 09 Jul 2025 16:09

Tgt Ion: 76 Resp: 16022
 Ion Ratio Lower Upper
 76 100
 78 6.9 7.2 10.8#





#17

Allyl chloride

Concen: 1.902 ug/l m

RT: 5.048 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN087313.D

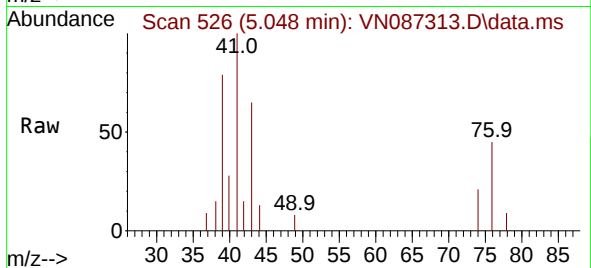
Acq: 09 Jul 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025



Tgt Ion: 41 Resp: 7449

Ion Ratio Lower Upper

41 100

39 79.1 36.0 108.0

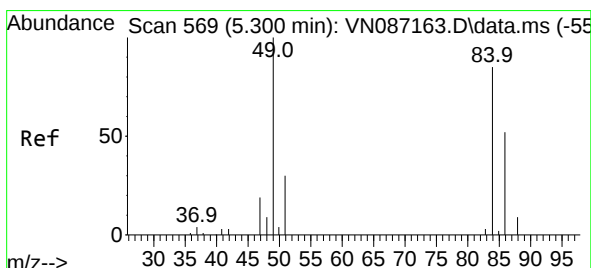
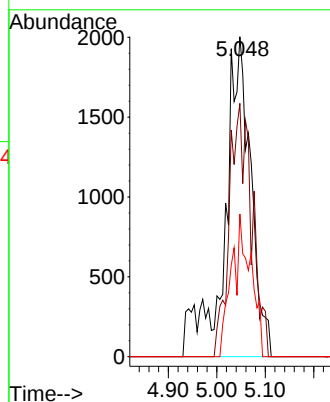
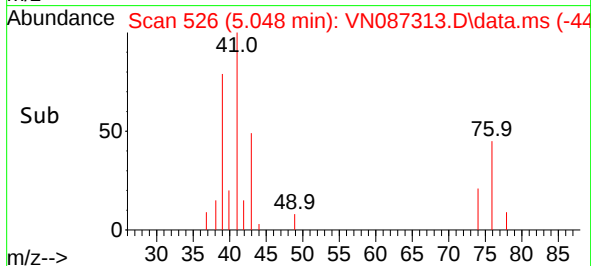
76 44.6 19.5 58.5

Manual Integrations

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Reviewed By :John Carlone 07/10/2025

Supervised By :Mahesh Dadoda 07/10/2025



#18

Methylene Chloride

Concen: 3.419 ug/l m

RT: 5.306 min Scan# 570

Delta R.T. 0.006 min

Lab File: VN087313.D

Acq: 09 Jul 2025 16:09

Tgt Ion: 84 Resp: 9402

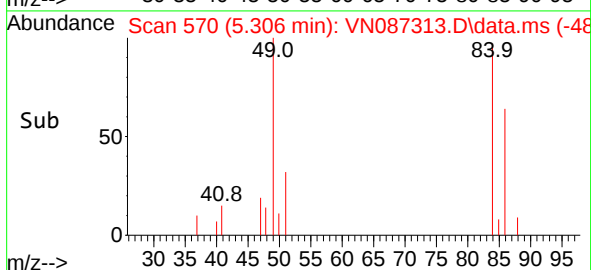
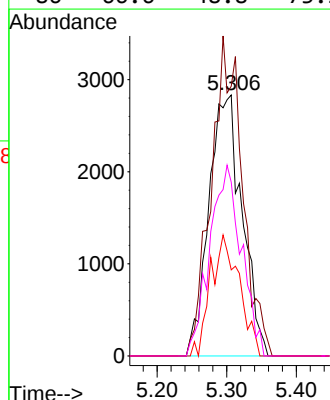
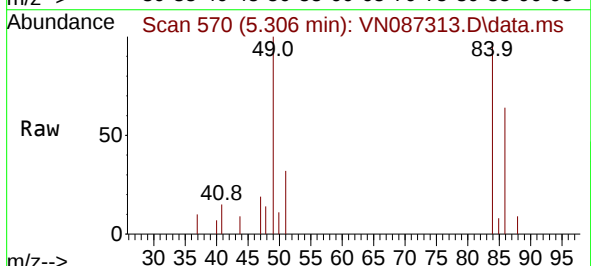
Ion Ratio Lower Upper

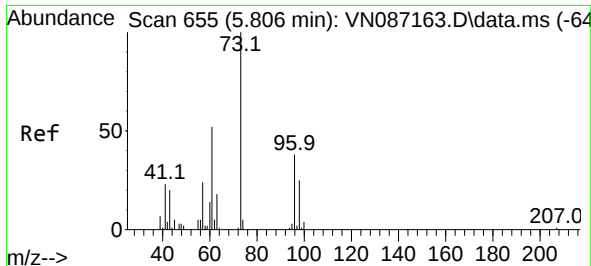
84 100

49 103.3 94.0 141.0

51 33.0 28.3 42.5

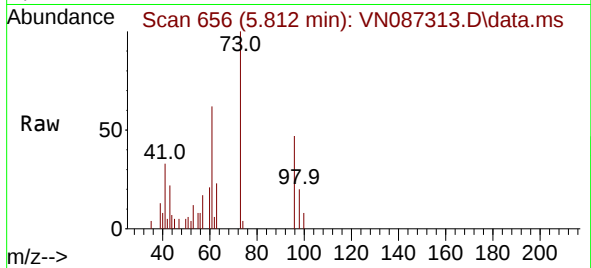
86 66.6 48.8 73.2





#19
trans-1,2-Dichloroethene
Concen: 2.292 ug/l m
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

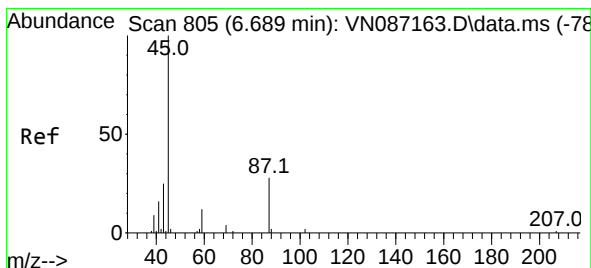
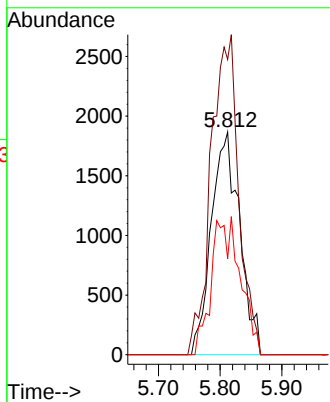
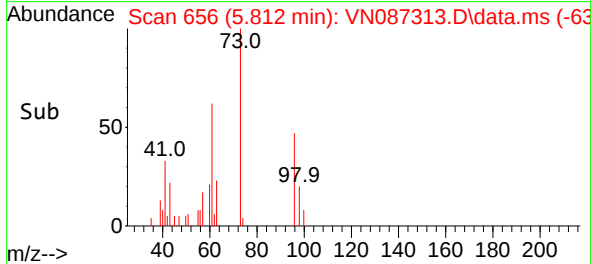
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion: 96 Resp: 595
Ion Ratio Lower Upper
96 100
61 132.6 110.3 165.5
98 43.0 51.6 77.4

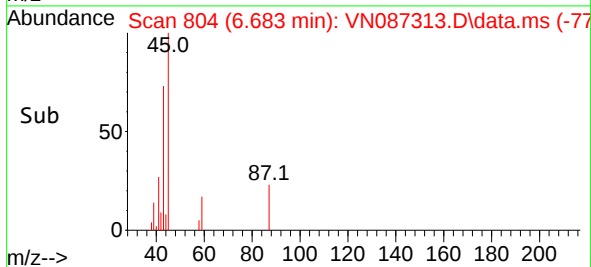
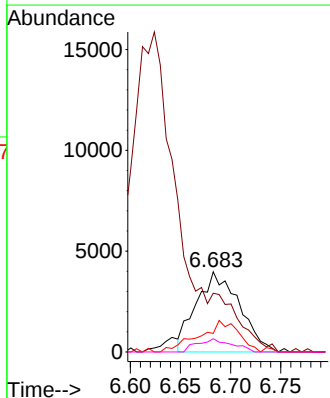
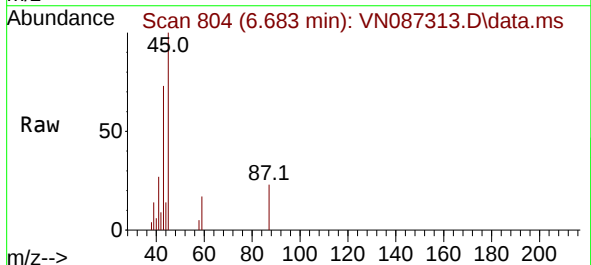
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#20
Diisopropyl ether
Concen: 1.428 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

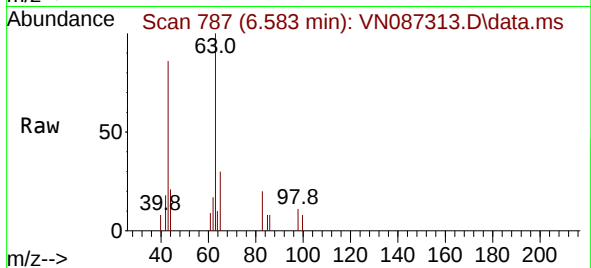
Tgt Ion: 45 Resp: 11861
Ion Ratio Lower Upper
45 100
43 73.3 45.3 67.9#
87 23.1 22.6 33.8
59 16.5 9.8 14.8#





#21
1,1-Dichloroethane
Concen: 2.012 ug/l m
RT: 6.583 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

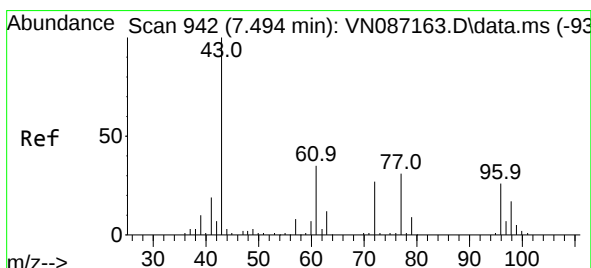
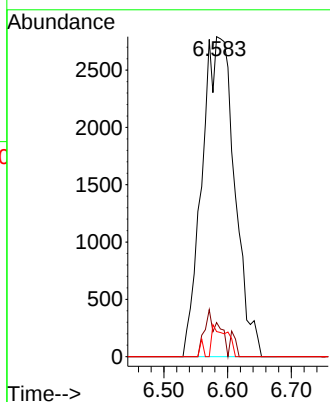
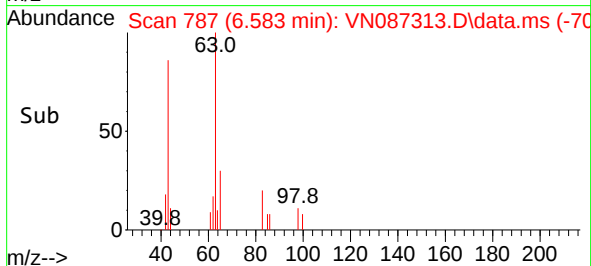
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



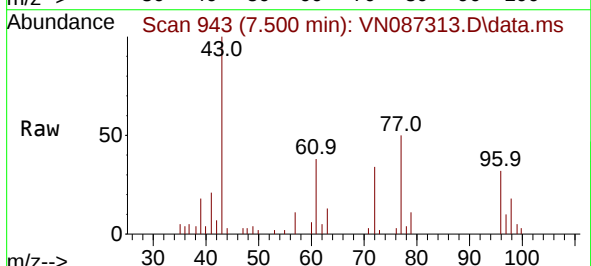
Tgt Ion: 63 Resp: 999
Ion Ratio Lower Upper
63 100
98 10.6 3.5 10.4
100 7.8 2.0 5.8

Manual Integrations
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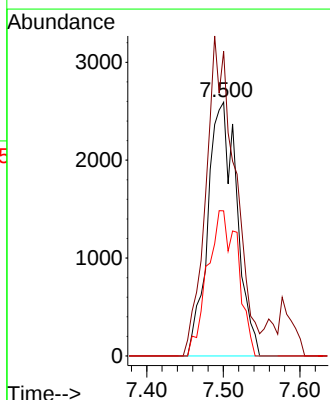
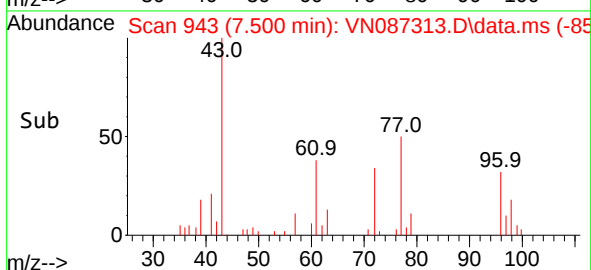
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

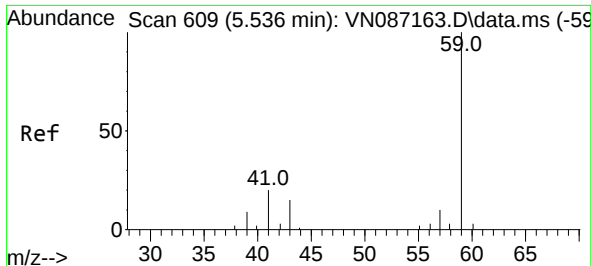


#22
cis-1,2-Dichloroethene
Concen: 2.256 ug/l m
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09



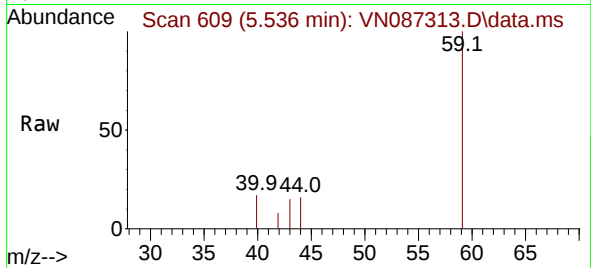
Tgt Ion: 96 Resp: 6815
Ion Ratio Lower Upper
96 100
61 127.2 119.2 178.8
98 40.9 50.6 75.8





#23
tert-Butyl Alcohol
Concen: 9.026 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

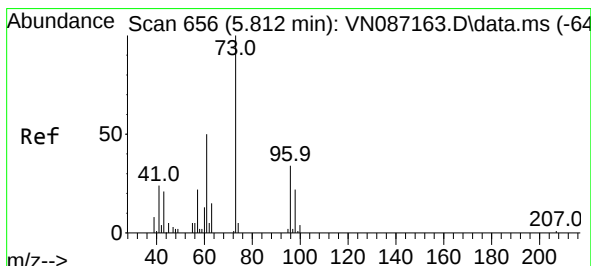
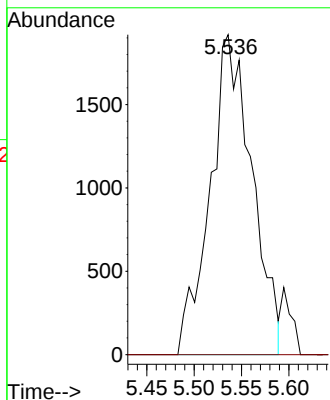
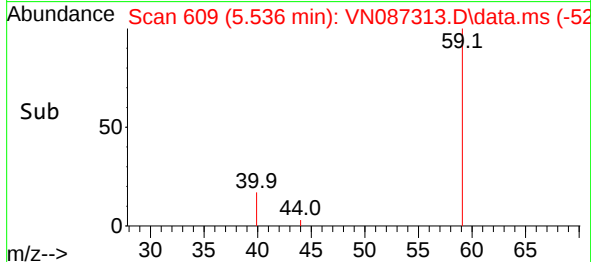
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



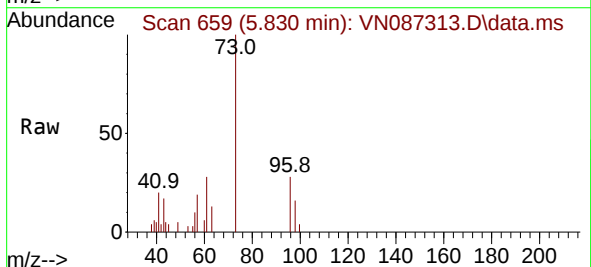
Tgt Ion: 59 Resp: 5890
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

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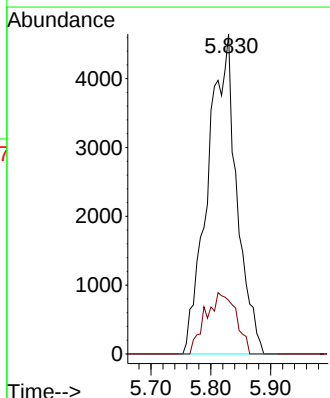
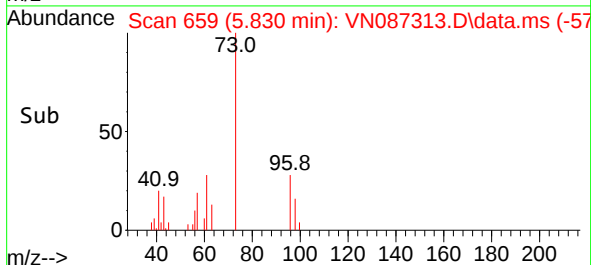
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

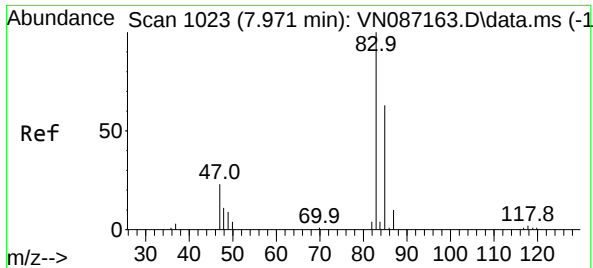


#24
Methyl tert-Butyl Ether
Concen: 1.874 ug/l m
RT: 5.830 min Scan# 659
Delta R.T. 0.018 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09



Tgt Ion: 73 Resp: 15601
Ion Ratio Lower Upper
73 100
43 12.7 16.4 24.6#





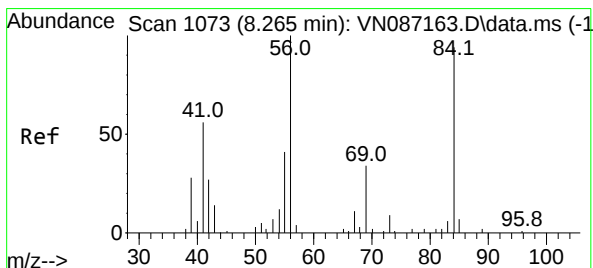
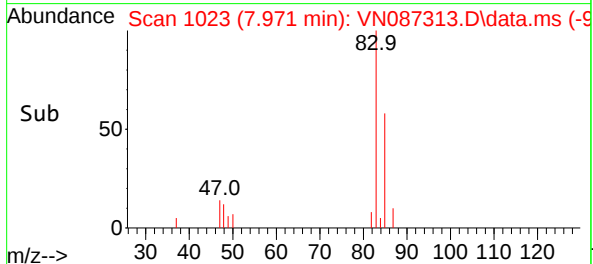
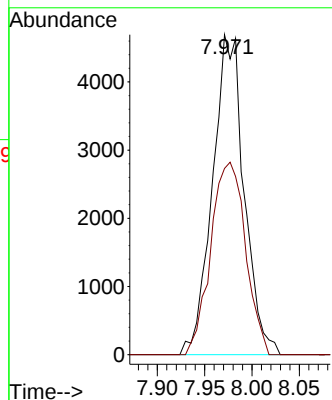
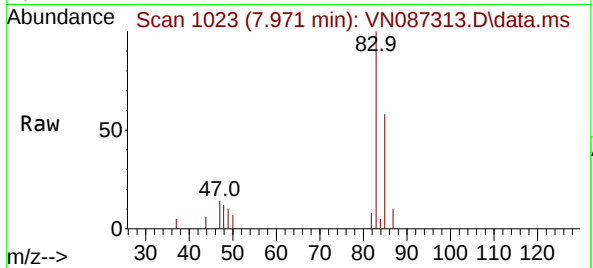
#25
Chloroform
Concen: 2.292 ug/l
RT: 7.971 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion: 83 Resp: 1090
Ion Ratio Lower Upper
83 100
85 58.2 50.7 76.1

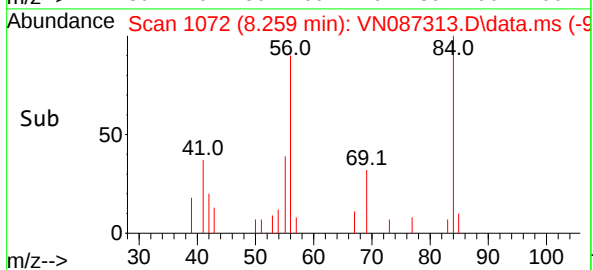
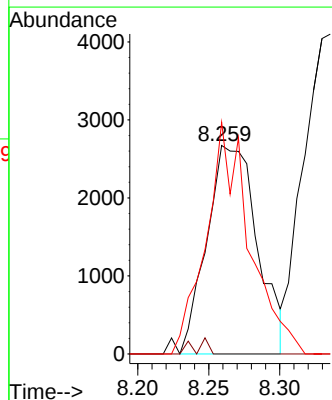
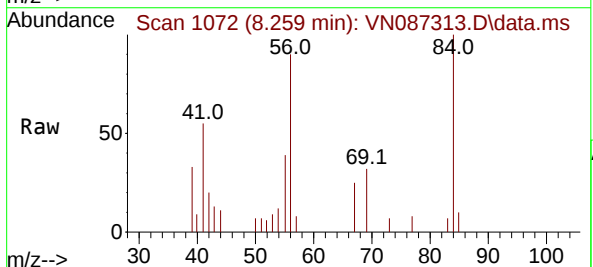
Manual Integrations
APPROVED

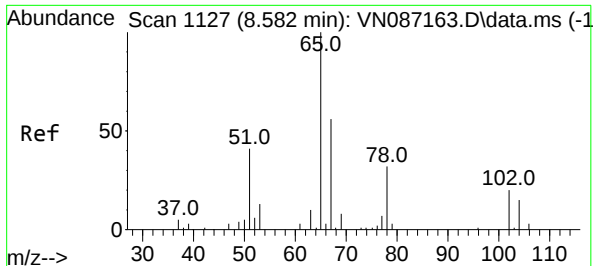
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#26
Cyclohexane
Concen: 1.599 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Tgt Ion: 56 Resp: 6599
Ion Ratio Lower Upper
56 100
89 1.1 6.9 10.3#
84 95.6 69.1 103.7





#27

1,2-Dichloroethane-d4

Concen: 29.169 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN087313.D

Acq: 09 Jul 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

Tgt Ion: 65 Resp: 86120

Ion Ratio Lower Upper

65 100

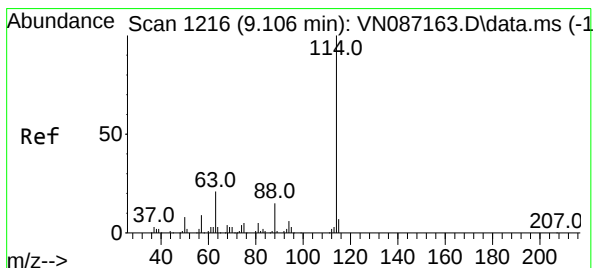
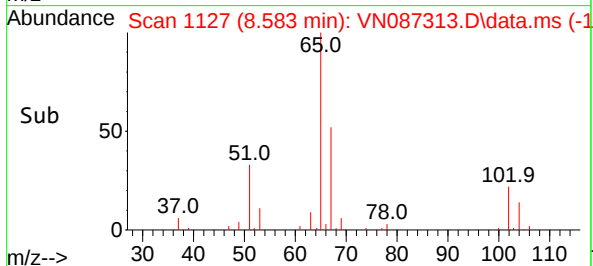
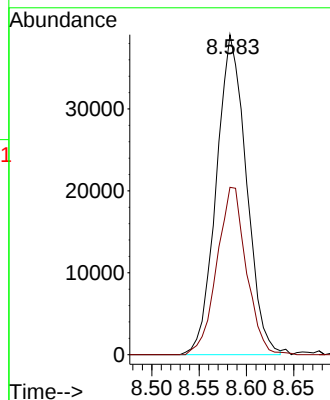
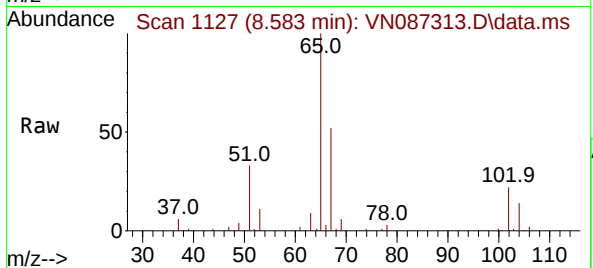
67 51.4 41.9 62.9

Manual Integrations

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Reviewed By :John Carlone 07/10/2025

Supervised By :Mahesh Dadoda 07/10/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN087313.D

Acq: 09 Jul 2025 16:09

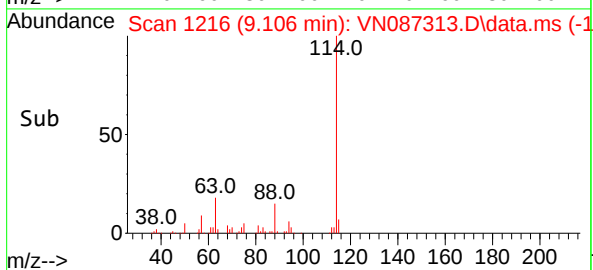
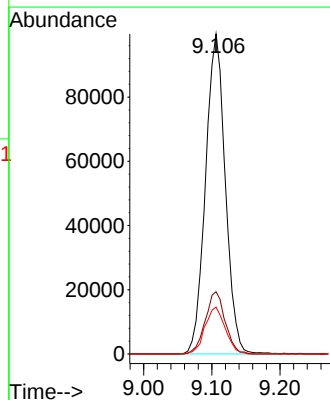
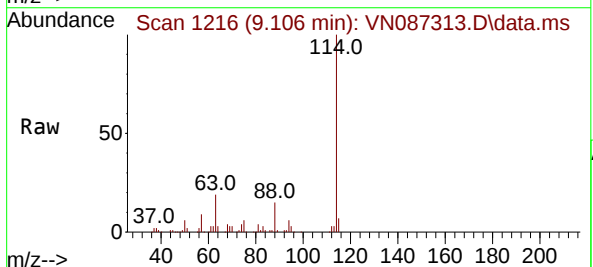
Tgt Ion:114 Resp: 201445

Ion Ratio Lower Upper

114 100

63 19.5 17.0 25.4

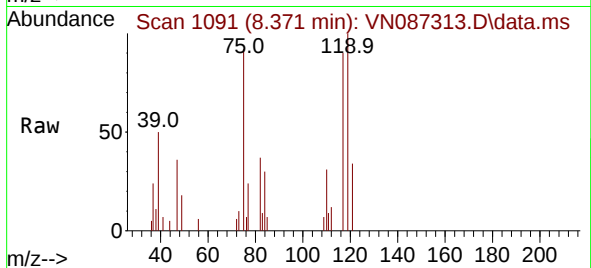
88 15.0 12.6 19.0





#29
1,1-Dichloropropene
Concen: 2.172 ug/l
RT: 8.371 min Scan# 1092
Delta R.T. -0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

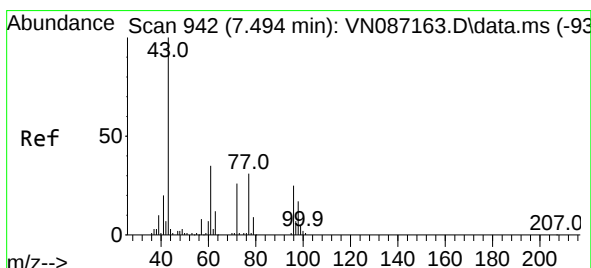
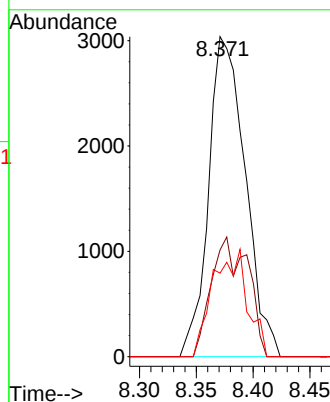
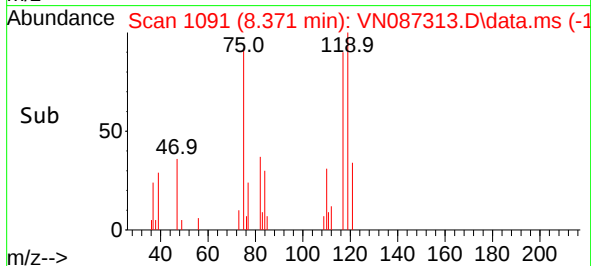
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025



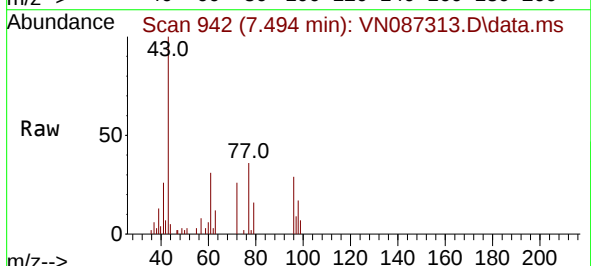
Tgt Ion: 75 Resp: 6820
Ion Ratio Lower Upper
75 100
110 22.8 0.0 69.2
77 20.5 0.0 61.8

Manual Integrations
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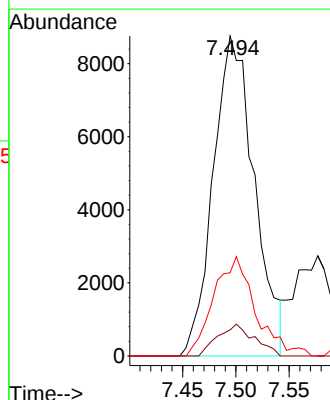
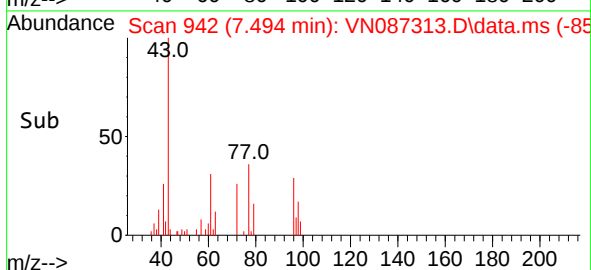
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

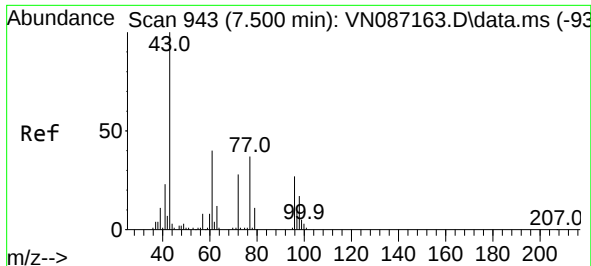


#30
2-Butanone
Concen: 11.108 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09



Tgt Ion: 43 Resp: 23527
Ion Ratio Lower Upper
43 100
57 8.8 6.3 9.5
72 30.6 21.8 32.6





#31

2,2-Dichloropropane

Concen: 2.680 ug/l

RT: 7.500 min Scan# 943

Delta R.T. 0.000 min

Lab File: VN087313.D

Acq: 09 Jul 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

Tgt Ion: 77 Resp: 1015

Ion Ratio Lower Upper

77 100

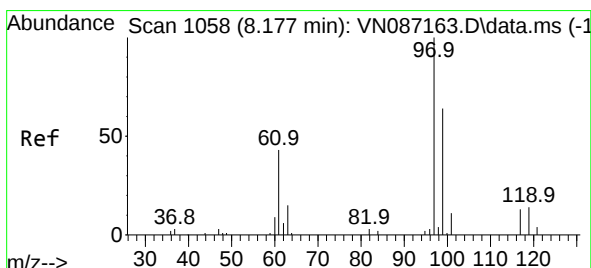
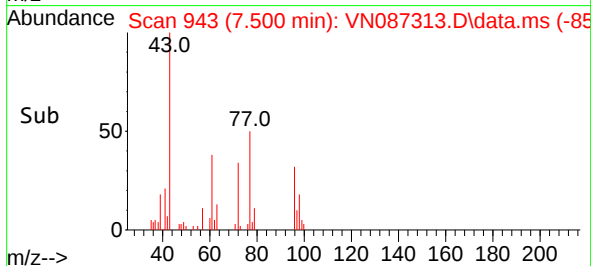
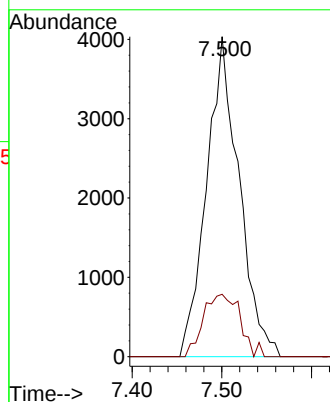
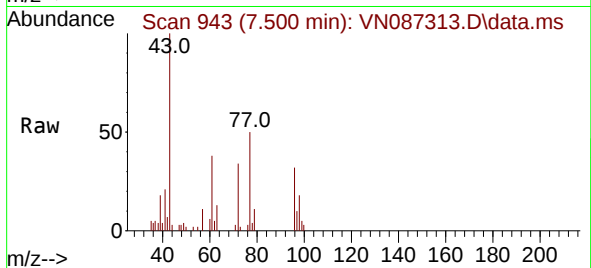
97 17.2 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/10/2025

Supervised By :Mahesh Dadoda 07/10/2025



#32

1,1,1-Trichloroethane

Concen: 2.725 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN087313.D

Acq: 09 Jul 2025 16:09

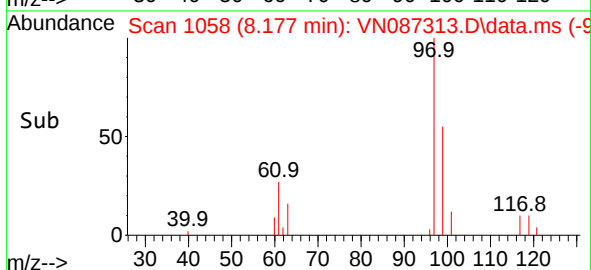
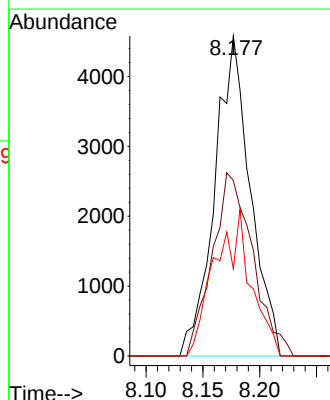
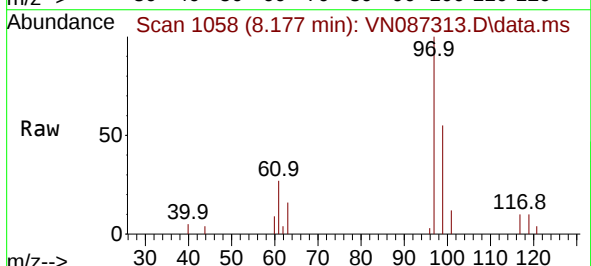
Tgt Ion: 97 Resp: 9996

Ion Ratio Lower Upper

97 100

99 0.0 50.8 76.2#

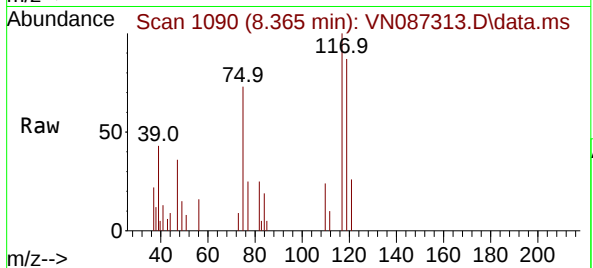
61 19.7 36.1 54.1#





#33
Carbon Tetrachloride
Concen: 2.801 ug/l
RT: 8.365 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

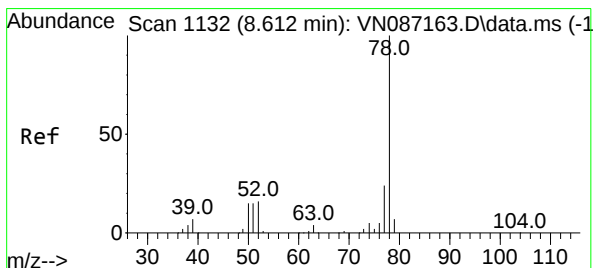
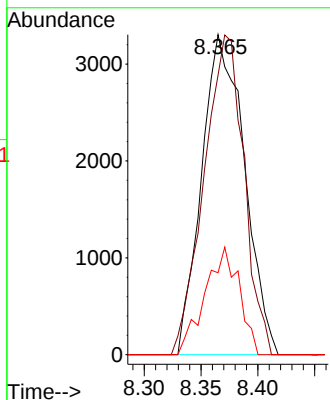
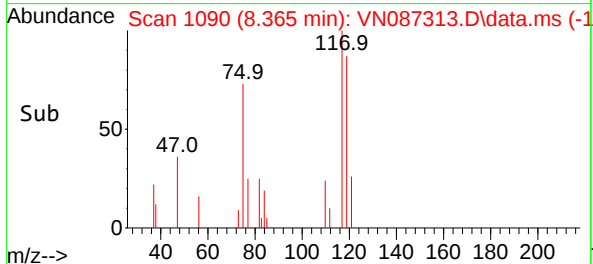
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025



Tgt Ion: 117 Resp: 864
Ion Ratio Lower Upper
117 100
119 87.3 75.8 113.6
121 25.6 26.2 39.4

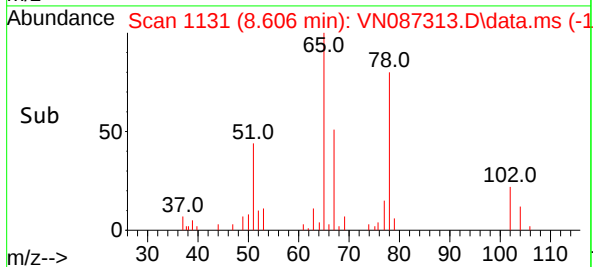
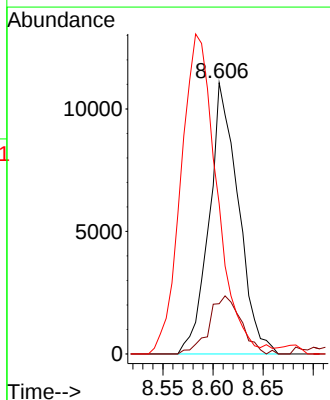
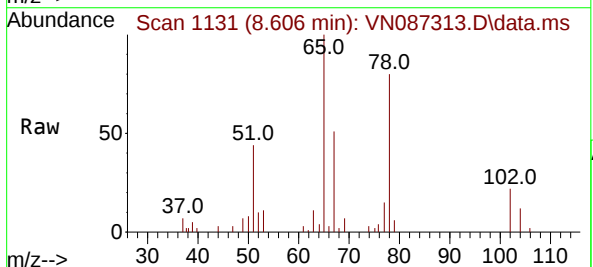
Manual Integrations
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Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#34
Benzene
Concen: 2.253 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

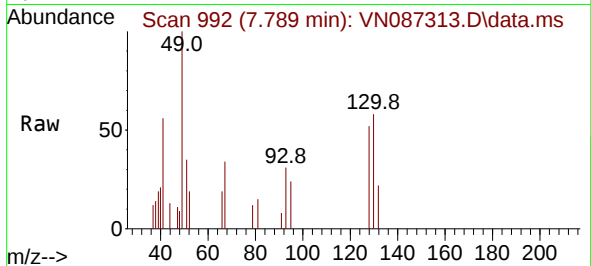
Tgt Ion: 78 Resp: 22408
Ion Ratio Lower Upper
78 100
77 18.5 19.5 29.3#
51 53.1 14.8 22.2#





#35
Methacrylonitrile
Concen: 1.654 ug/l
RT: 7.789 min Scan# 992
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

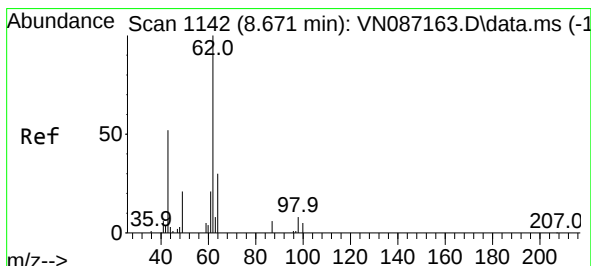
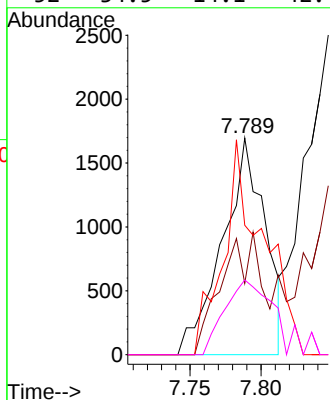
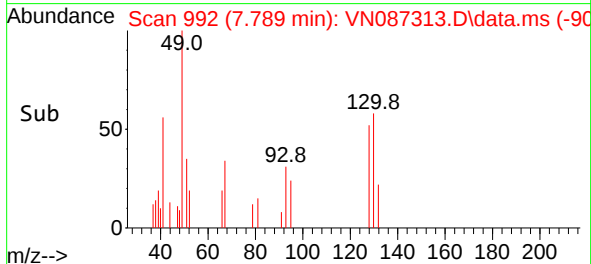
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion: 41	Resp: 3530
Ion Ratio	Lower Upper
41 100	
39 33.0	24.4 73.2
67 59.7	33.3 99.8
52 34.5	14.1 42.4

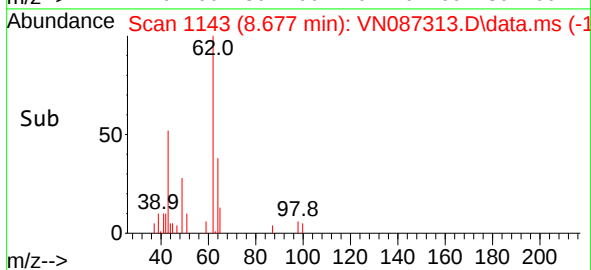
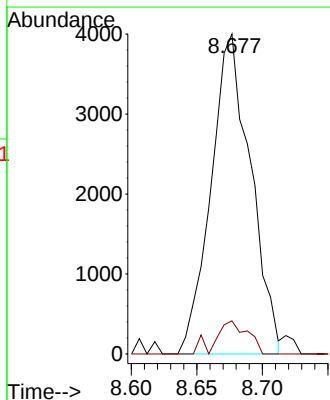
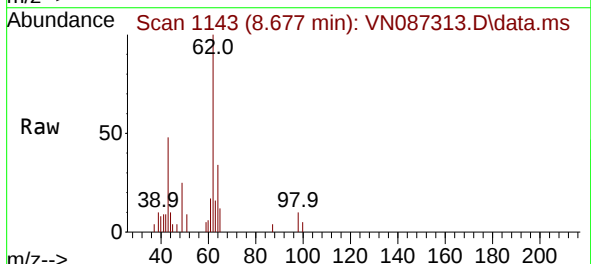
Manual Integrations
APPROVED

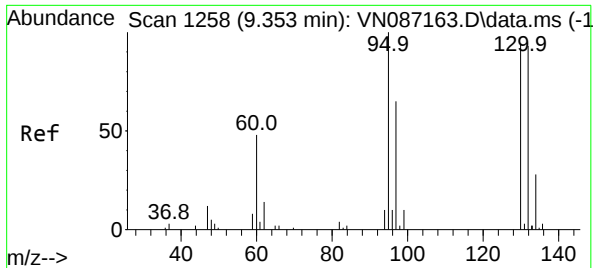
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#36
1,2-Dichloroethane
Concen: 2.616 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

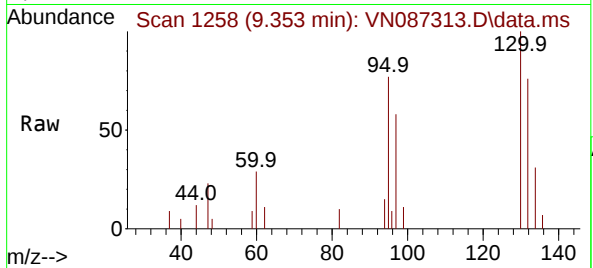
Tgt Ion: 62	Resp: 8408
Ion Ratio	Lower Upper
62 100	
98 7.3	7.2 10.8





#37
Trichloroethene
Concen: 2.663 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

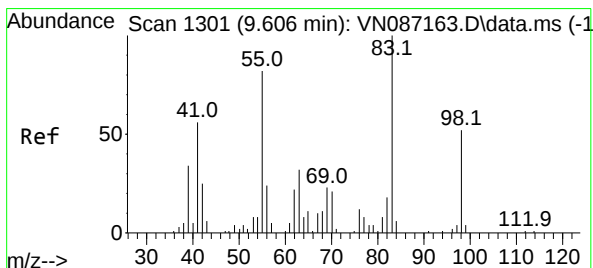
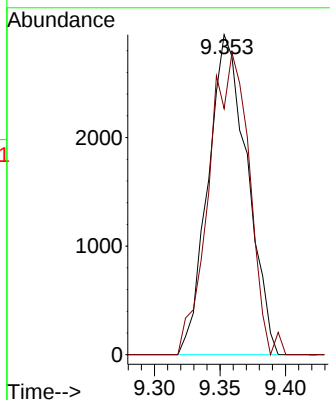
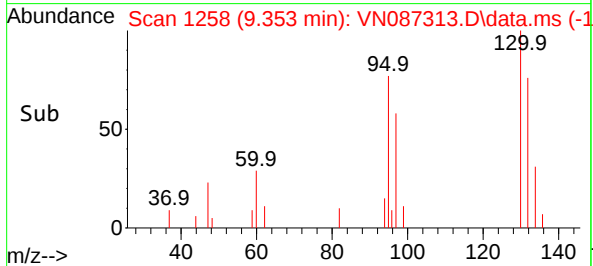
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



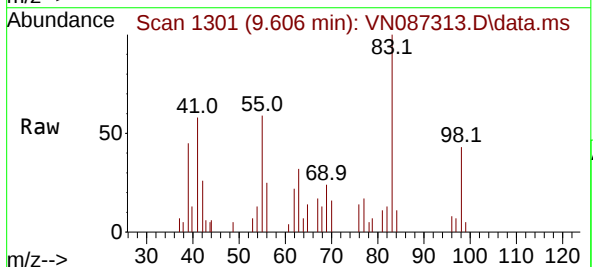
Tgt Ion:130 Resp: 6109
Ion Ratio Lower Upper
130 100
95 76.9 85.3 127.9

Manual Integrations
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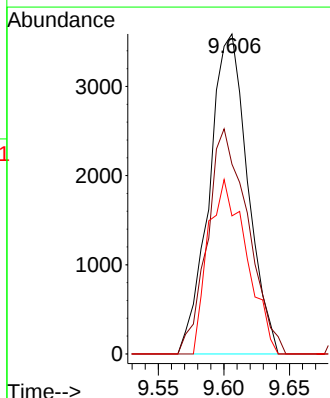
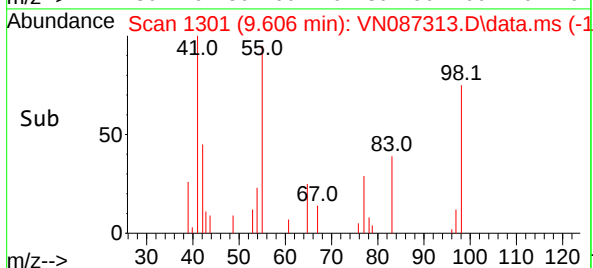
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

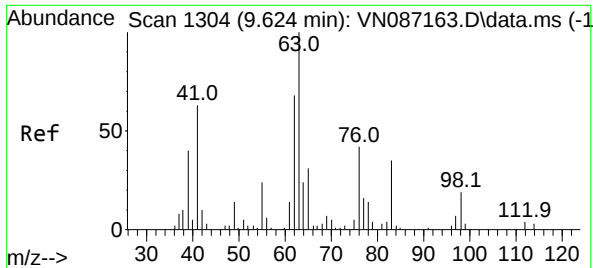


#38
Methylcyclohexane
Concen: 2.030 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09



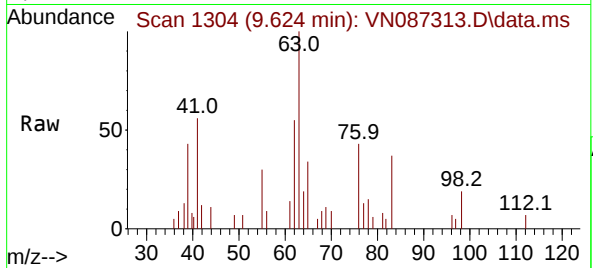
Tgt Ion: 83 Resp: 7313
Ion Ratio Lower Upper
83 100
55 74.4 40.1 120.2
98 54.4 24.4 73.2





#39
1,2-Dichloropropane
Concen: 2.201 ug/l
RT: 9.624 min Scan# 1304
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

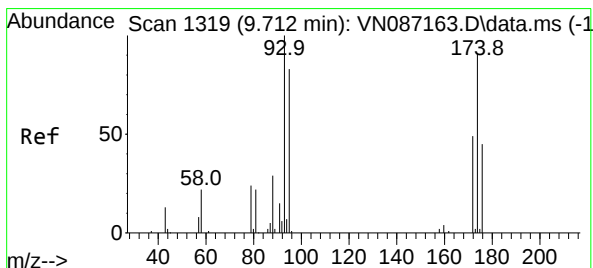
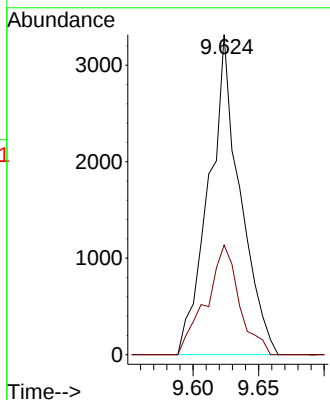
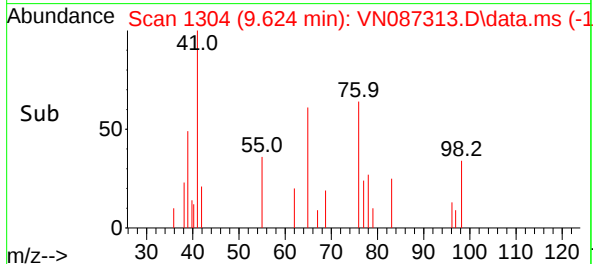
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion: 63 Resp: 5490
Ion Ratio Lower Upper
63 100
65 34.2 24.6 36.8

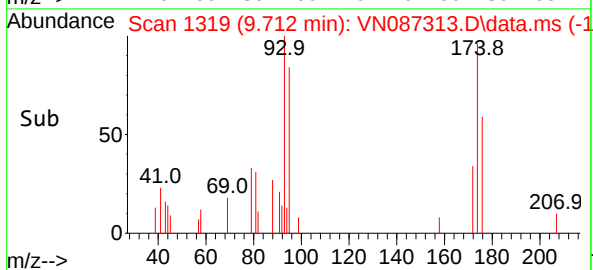
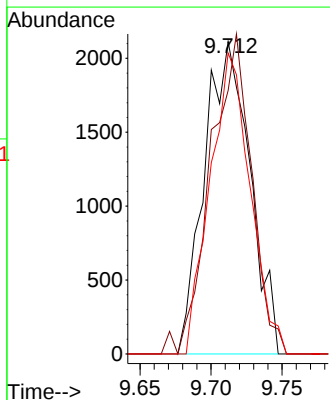
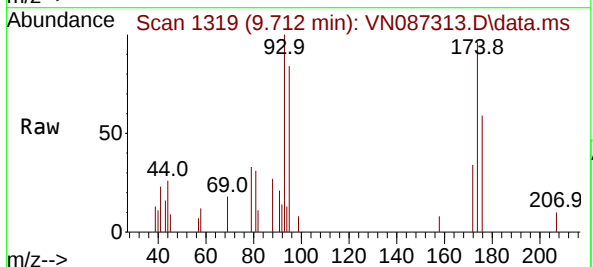
Manual Integrations
APPROVED

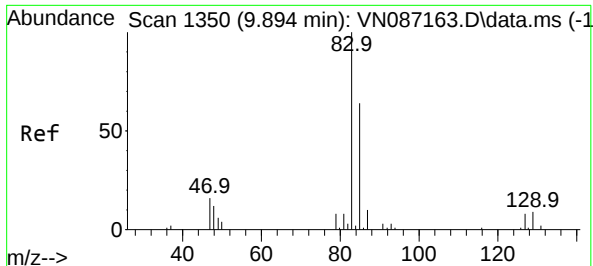
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#40
Dibromomethane
Concen: 2.767 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

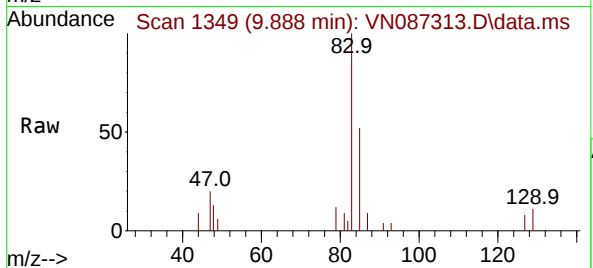
Tgt Ion: 93 Resp: 4697
Ion Ratio Lower Upper
93 100
95 91.5 0.0 170.8
174 85.4 0.0 176.6





#41
Bromodichloromethane
Concen: 2.680 ug/l
RT: 9.888 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

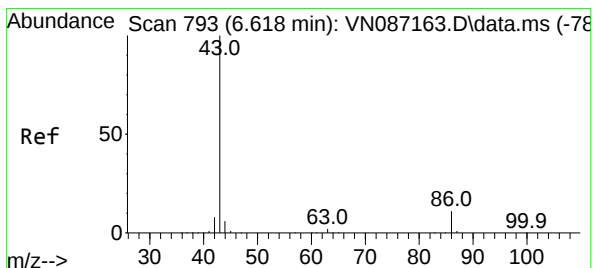
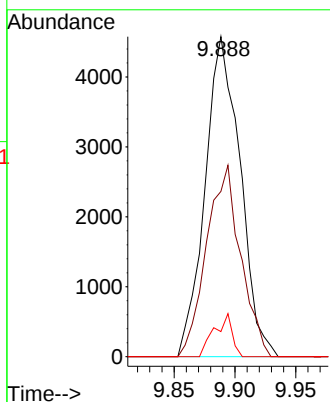
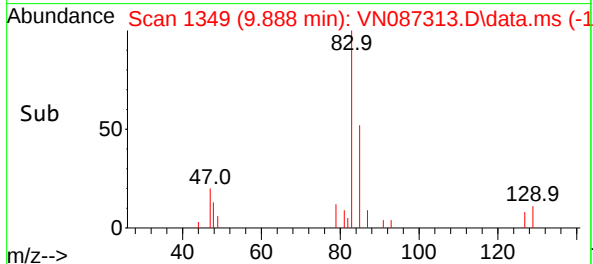
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion: 83 Resp: 918
Ion Ratio Lower Upper
83 100
85 51.6 51.4 77.2
127 7.8 6.1 9.1

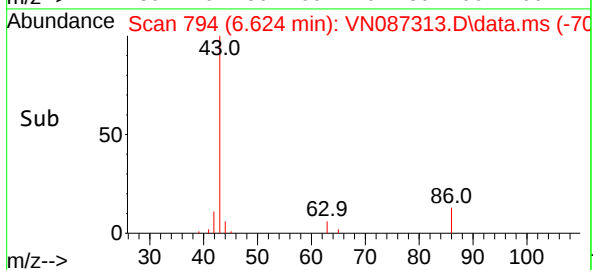
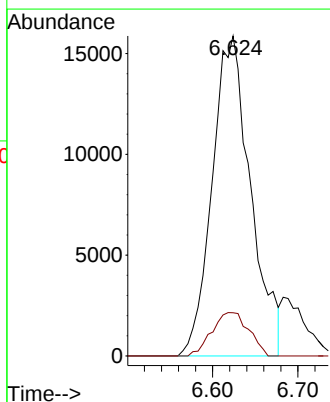
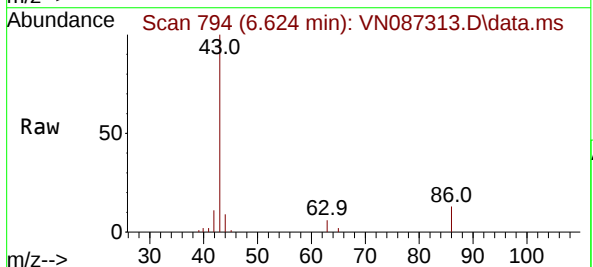
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#42
Vinyl Acetate
Concen: 7.219 ug/l
RT: 6.624 min Scan# 794
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

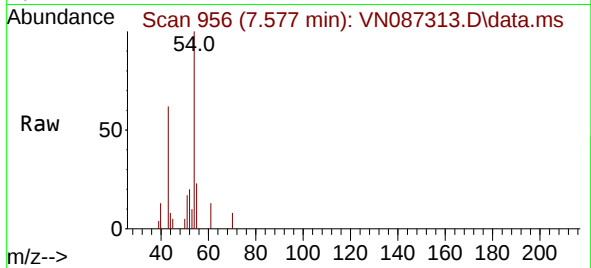
Tgt Ion: 43 Resp: 49727
Ion Ratio Lower Upper
43 100
86 13.0 7.7 11.5#





#43
Ethyl Acetate
Concen: 2.006 ug/l m
RT: 7.577 min Scan# 955
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

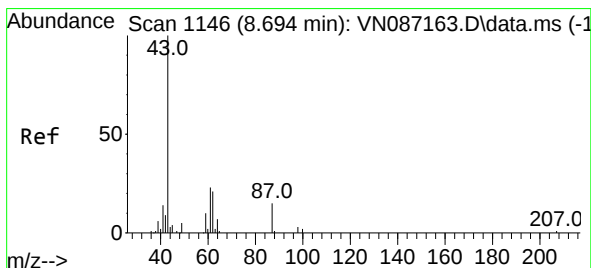
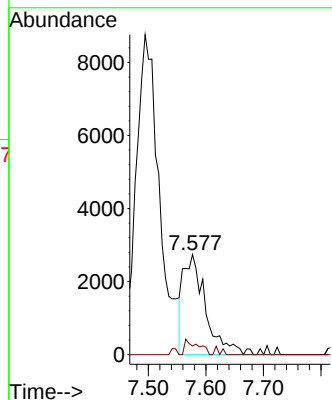
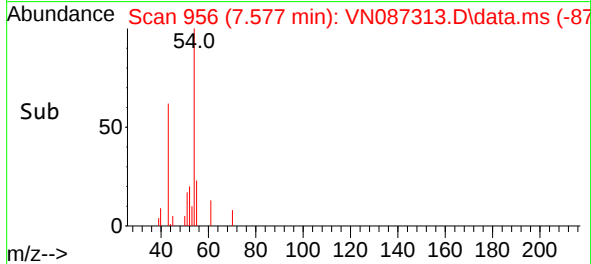
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion: 43 Resp: 767
Ion Ratio Lower Upper
43 100
45 0.8 11.5 17.3

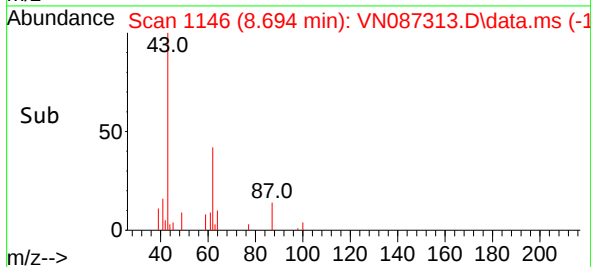
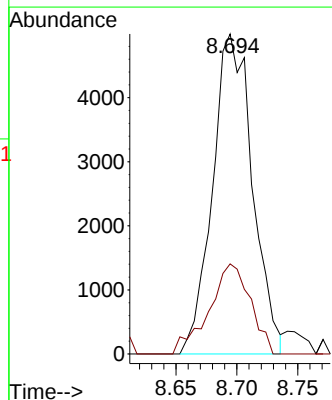
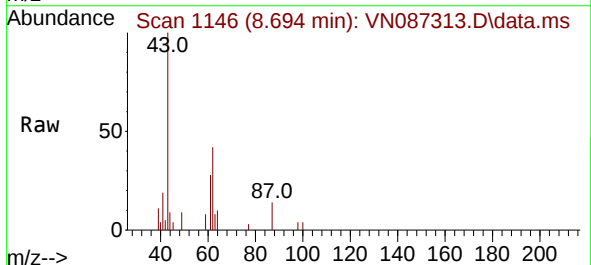
Manual Integrations
APPROVED

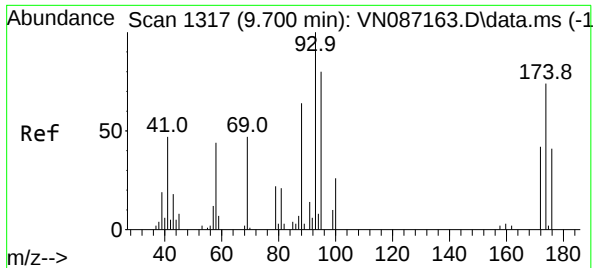
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#44
Isopropyl Acetate
Concen: 1.826 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

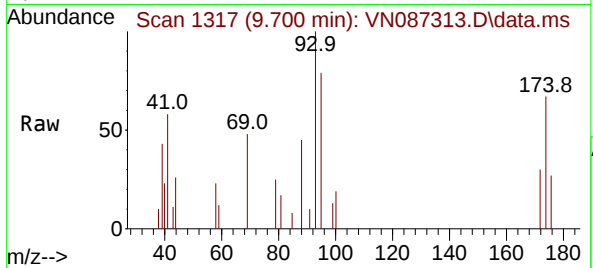
Tgt Ion: 43 Resp: 11378
Ion Ratio Lower Upper
43 100
61 29.1 20.5 30.7





#45
1,4-Dioxane
Concen: 37.352 ug/l m
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

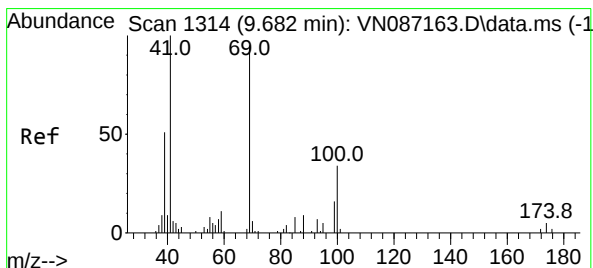
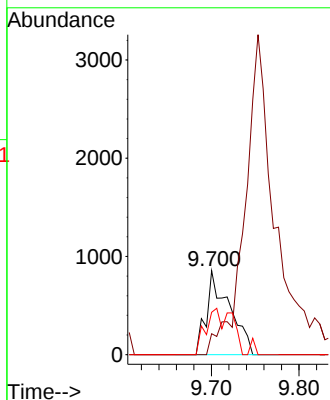
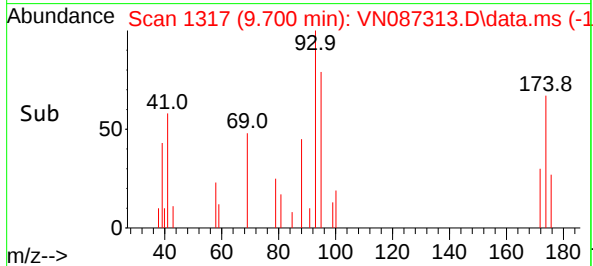
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion: 88 Resp: 1574
Ion Ratio Lower Upper
88 100
43 16.1 21.3 31.9
58 37.3 61.7 92.5

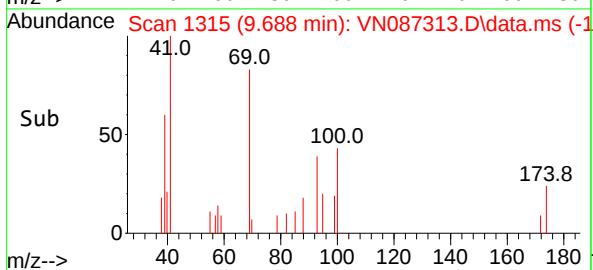
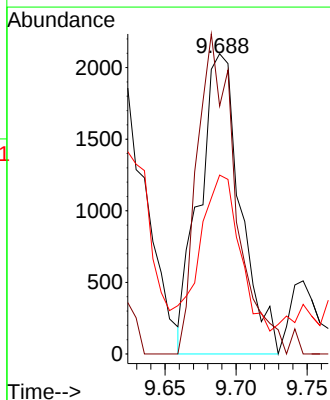
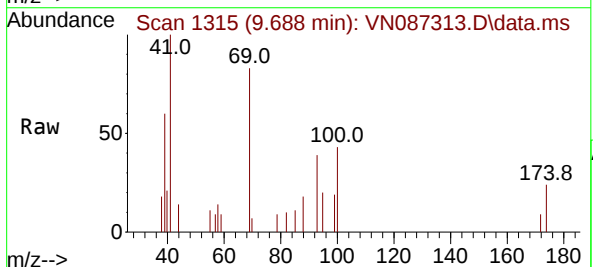
Manual Integrations
APPROVED

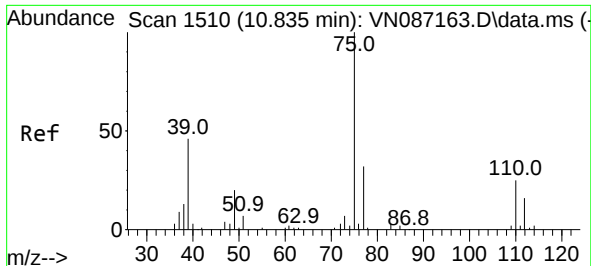
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#46
Methyl methacrylate
Concen: 1.460 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Tgt Ion: 41 Resp: 4229
Ion Ratio Lower Upper
41 100
69 82.5 45.6 136.9
39 49.7 26.2 78.5





#48

t-1,3-Dichloropropene

Concen: 2.055 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. 0.000 min

Lab File: VN087313.D

Acq: 09 Jul 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

Tgt Ion: 75 Resp: 7850

Ion Ratio Lower Upper

75 100

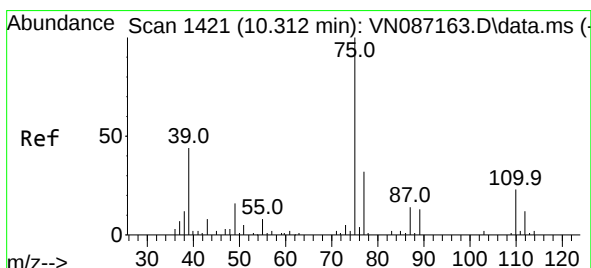
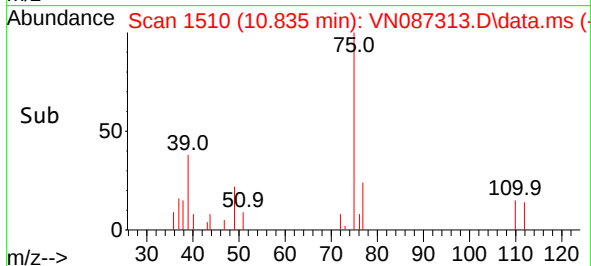
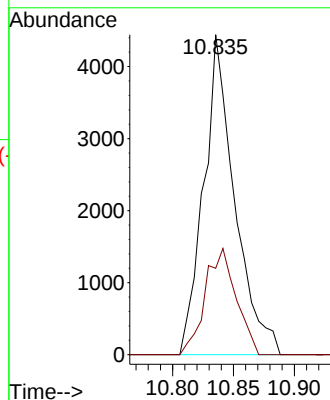
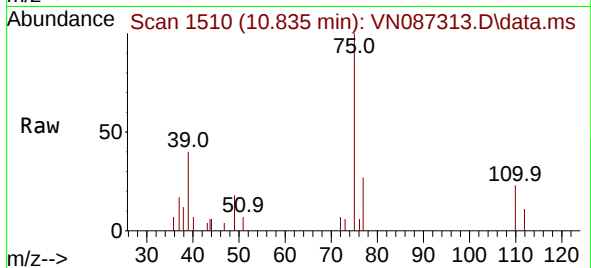
77 27.0 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/10/2025

Supervised By :Mahesh Dadoda 07/10/2025



#49

cis-1,3-Dichloropropene

Concen: 2.194 ug/l

RT: 10.312 min Scan# 1421

Delta R.T. 0.000 min

Lab File: VN087313.D

Acq: 09 Jul 2025 16:09

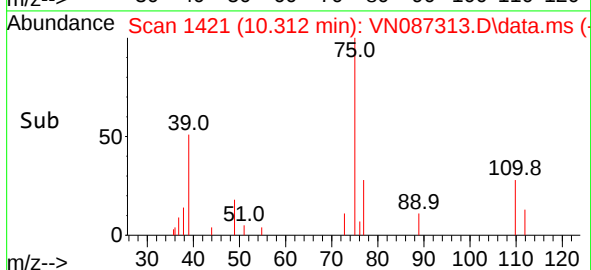
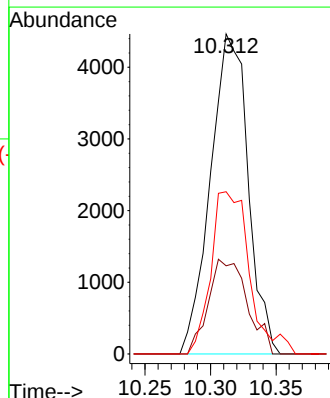
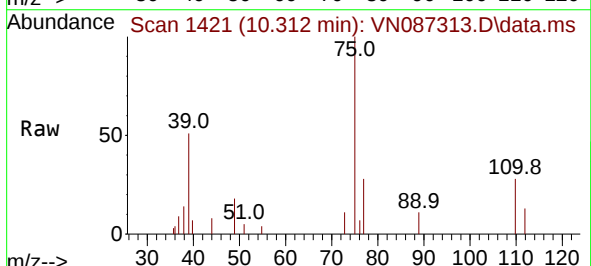
Tgt Ion: 75 Resp: 8910

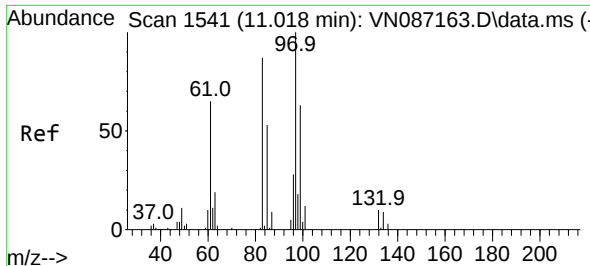
Ion Ratio Lower Upper

75 100

77 27.6 25.4 38.2

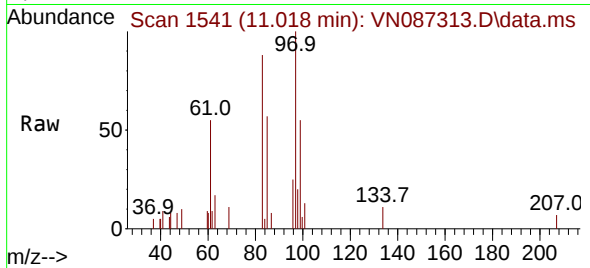
39 50.7 35.3 52.9





#50
1,1,2-Trichloroethane
Concen: 2.430 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

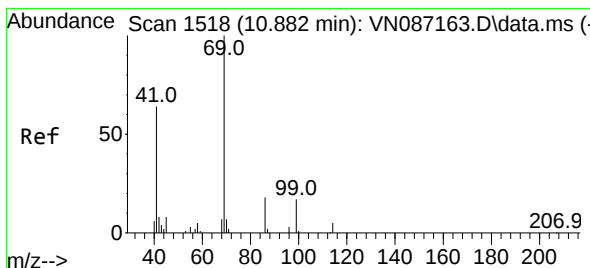
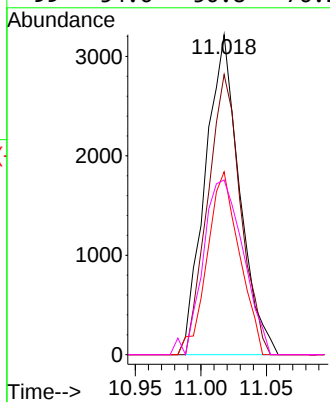
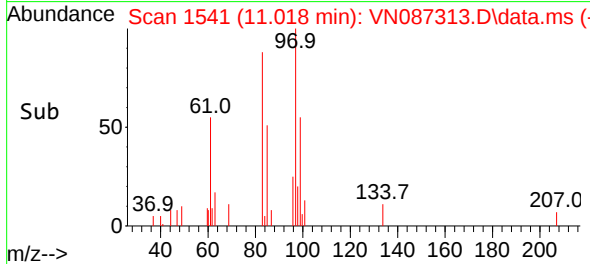
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025



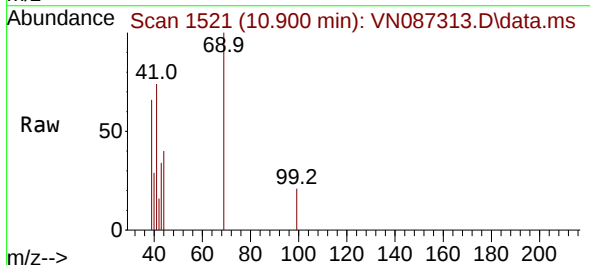
Tgt Ion:	97	Resp:	585
Ion Ratio	Lower	Upper	
97	100		
83	87.5	69.6	104.4
85	57.1	42.0	63.0
99	54.6	50.8	76.2

Manual Integrations
APPROVED

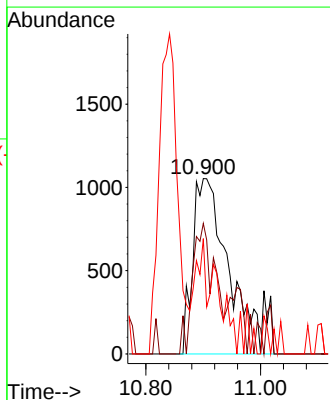
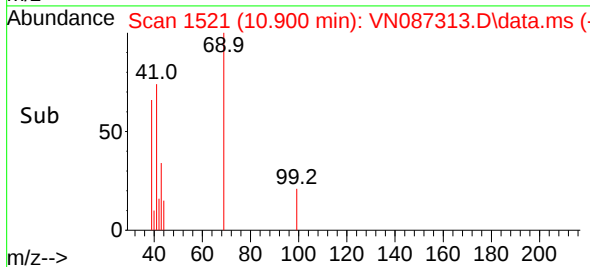
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

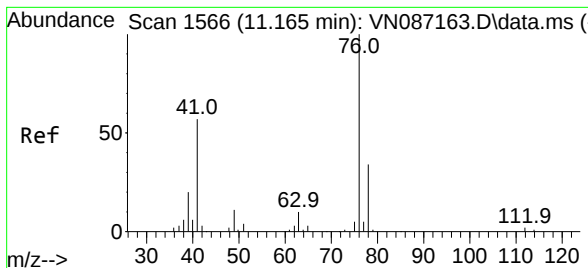


#51
Ethyl methacrylate
Concen: 1.307 ug/l m
RT: 10.900 min Scan# 1521
Delta R.T. 0.018 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09



Tgt Ion:	69	Resp:	4796
Ion Ratio	Lower	Upper	
69	100		
41	74.5	31.8	95.3
39	65.8	15.3	45.8





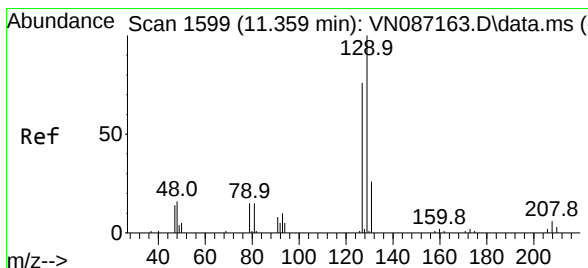
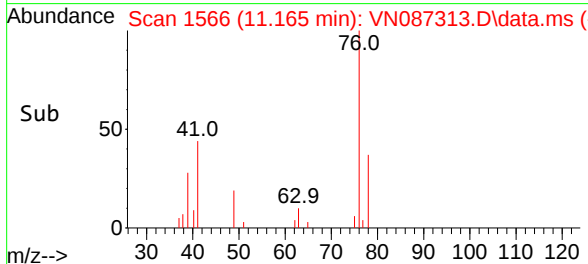
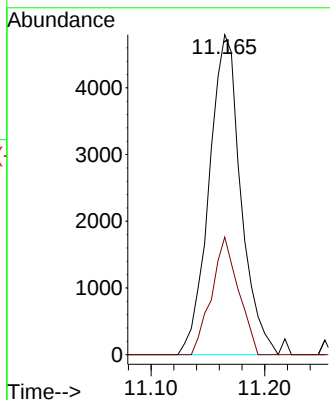
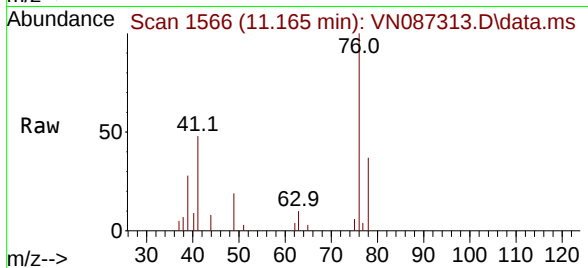
#52
1,3-Dichloropropane
Concen: 2.254 ug/l
RT: 11.165 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion: 76 Resp: 933
Ion Ratio Lower Upper
76 100
78 31.1 0.0 63.0

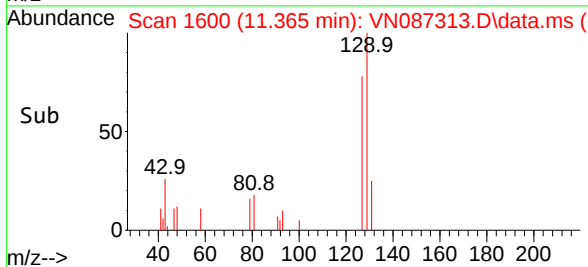
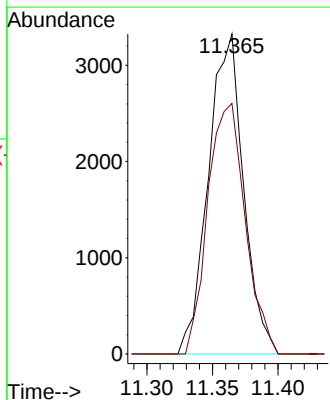
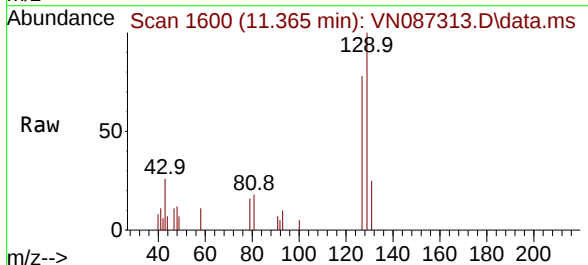
Manual Integrations
APPROVED

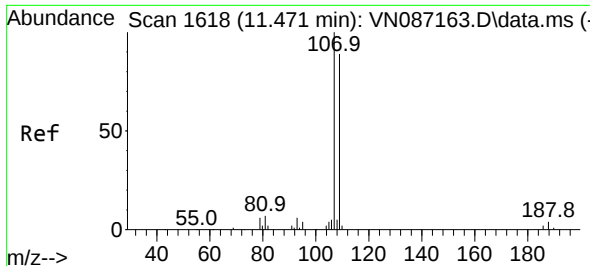
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#53
Dibromochloromethane
Concen: 2.448 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

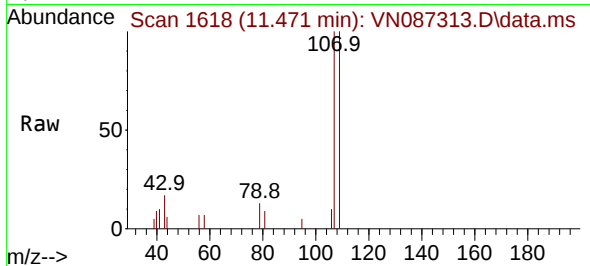
Tgt Ion:129 Resp: 6198
Ion Ratio Lower Upper
129 100
127 83.4 39.6 118.8





#54
1,2-Dibromoethane
Concen: 2.351 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

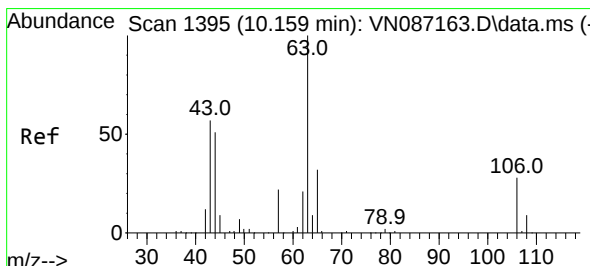
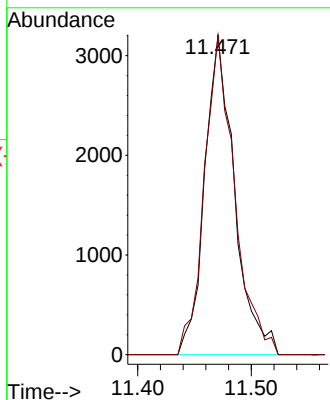
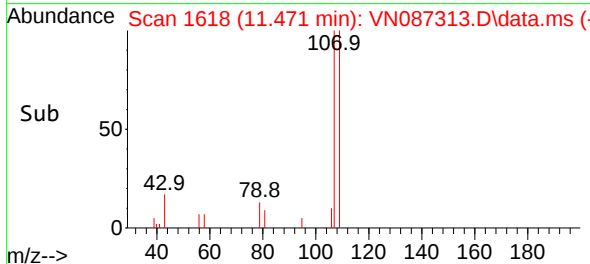
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



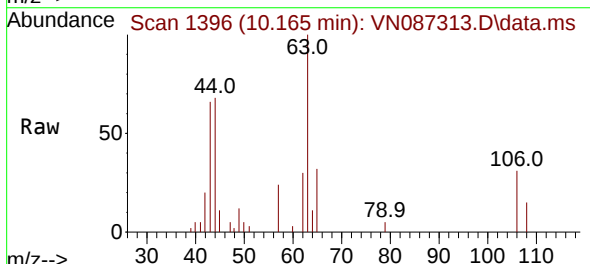
Tgt Ion:107 Resp: 5850
Ion Ratio Lower Upper
107 100
109 101.2 73.5 110.3

Manual Integrations
APPROVED

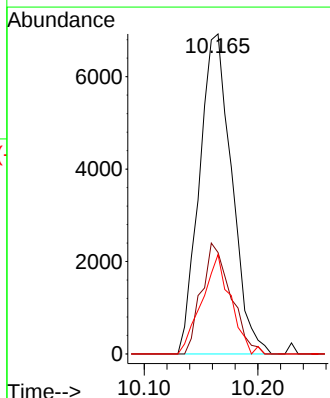
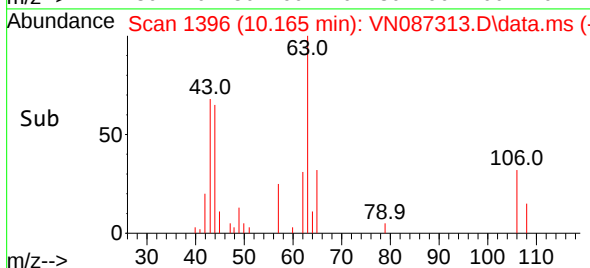
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

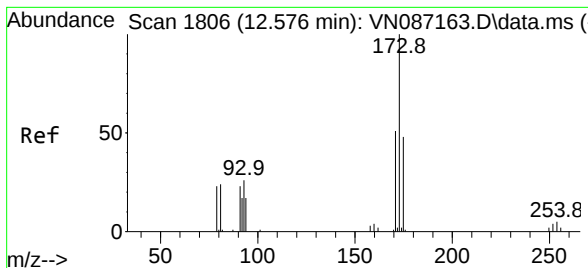


#55
2-Chloroethyl vinyl ether
Concen: 6.518 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09



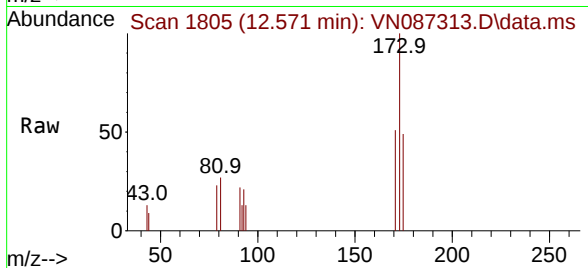
Tgt Ion: 63 Resp: 13713
Ion Ratio Lower Upper
63 100
65 31.4 25.6 38.4
106 27.1 21.9 32.9





#56
Bromoform
Concen: 2.549 ug/l m
RT: 12.571 min Scan# 1805
Delta R.T. -0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

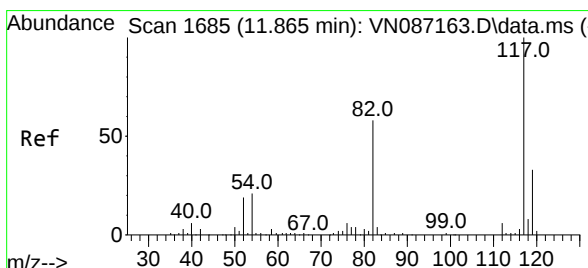
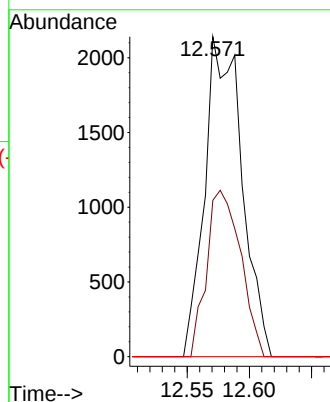
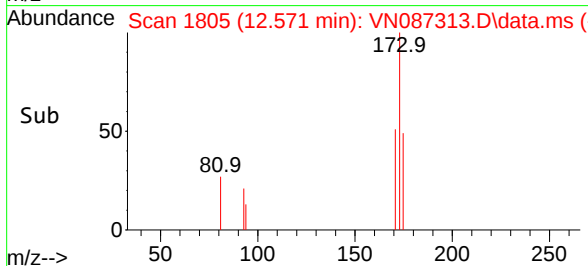
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025



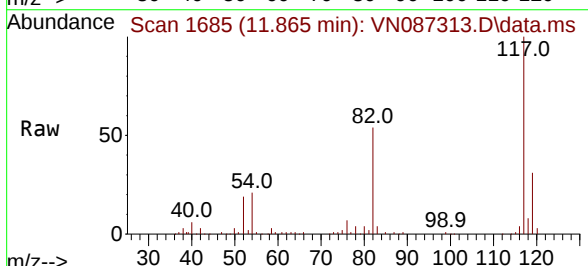
Tgt Ion:173 Resp: 4438
Ion Ratio Lower Upper
173 100
175 47.6 38.7 58.1
254 0.0 4.2 6.4

Manual Integrations
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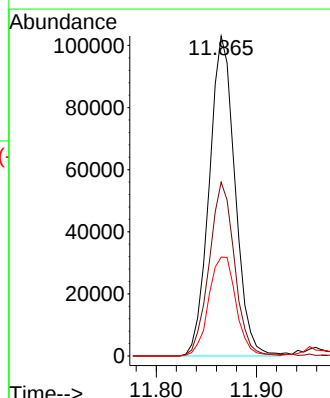
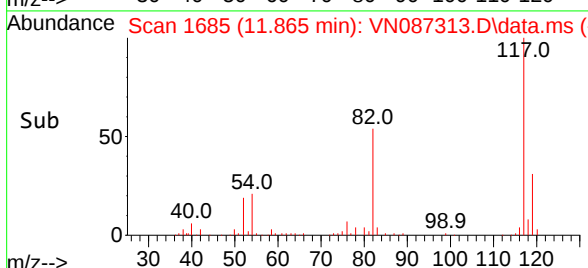
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

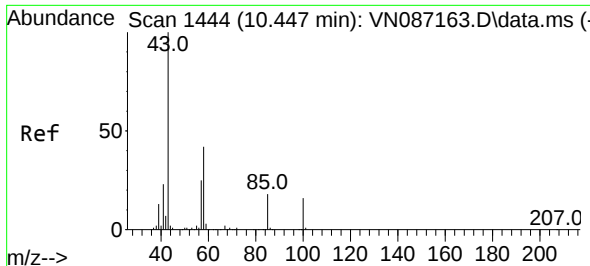


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09



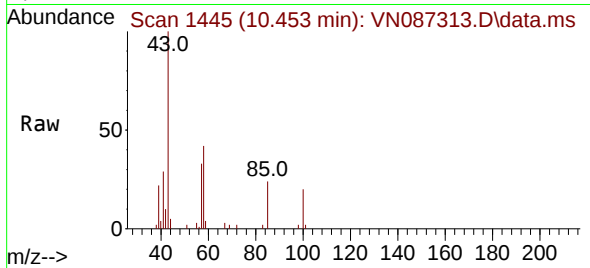
Tgt Ion:117 Resp: 184098
Ion Ratio Lower Upper
117 100
82 53.5 45.4 68.2
119 32.8 26.2 39.4





#58
4-Methyl-2-Pentanone
Concen: 6.856 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

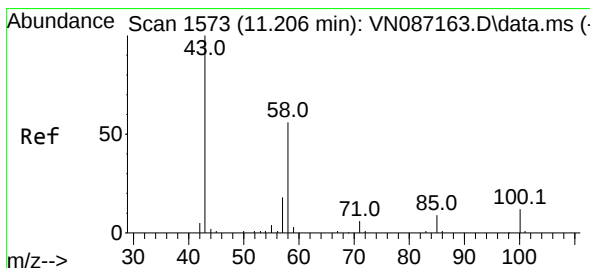
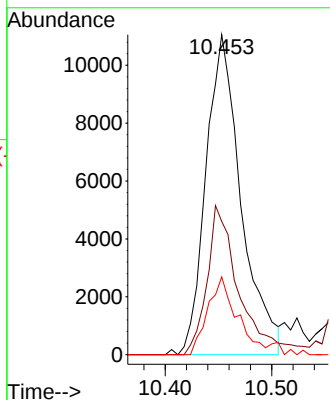
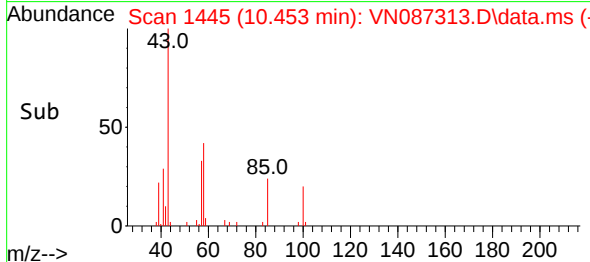
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



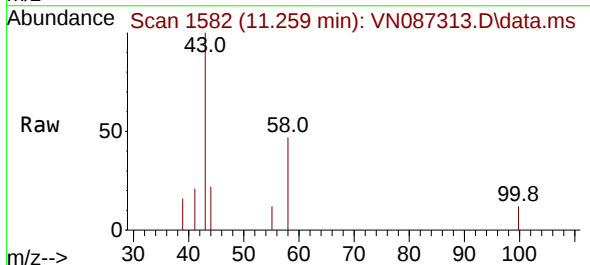
Tgt Ion: 43 Resp: 25370
Ion Ratio Lower Upper
43 100
58 42.8 32.6 49.0
85 20.3 14.6 22.0

Manual Integrations
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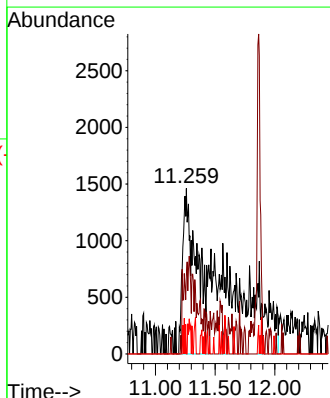
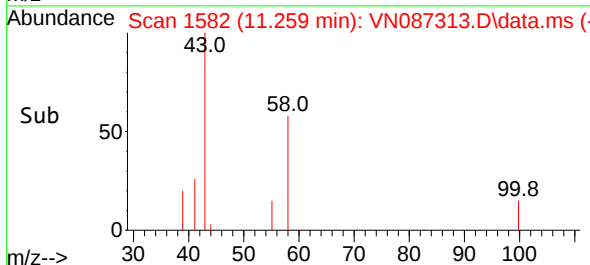
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

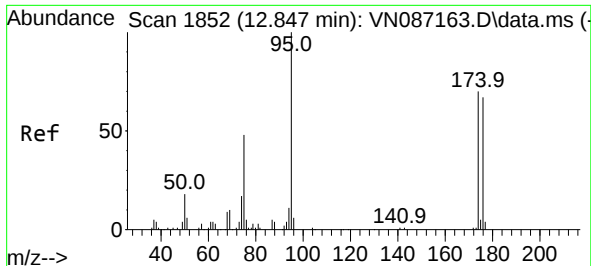


#59
2-Hexanone
Concen: 12.675 ug/l m
RT: 11.259 min Scan# 1582
Delta R.T. 0.053 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09



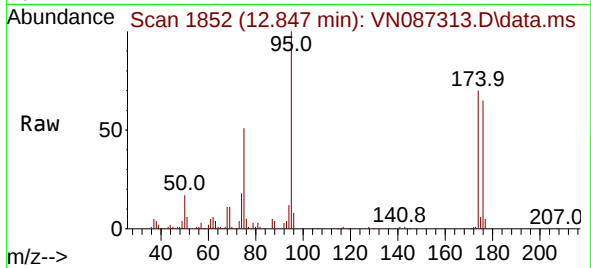
Tgt Ion: 43 Resp: 30292
Ion Ratio Lower Upper
43 100
58 0.2 49.2 73.8#
57 0.0 15.3 22.9#





#60
4-Bromofluorobenzene
Concen: 29.248 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

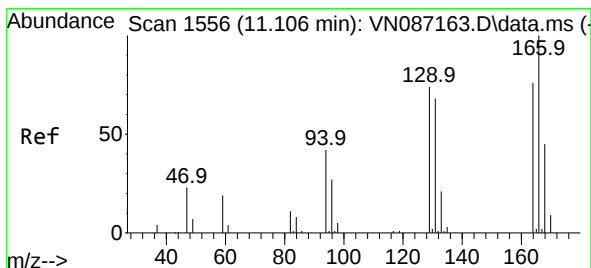
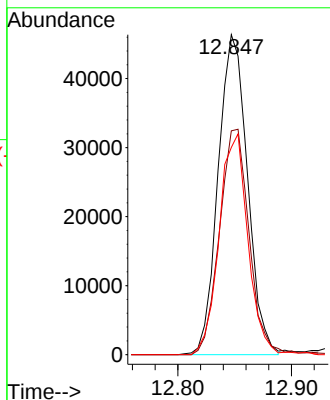
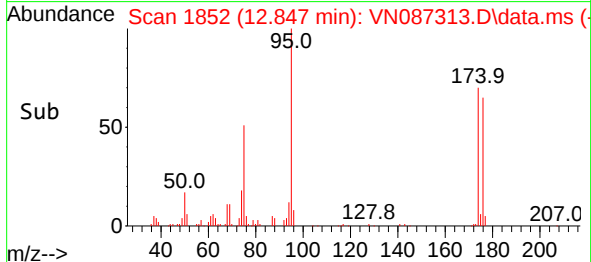
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion: 95 Resp: 83088
Ion Ratio Lower Upper
95 100
174 71.3 54.5 81.7
176 67.3 51.9 77.9

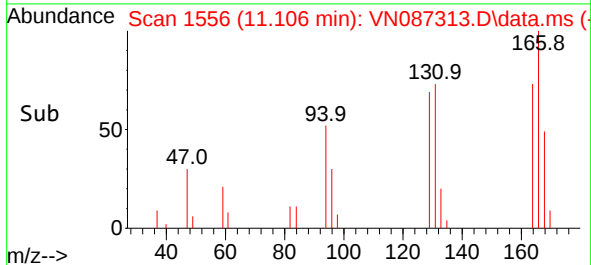
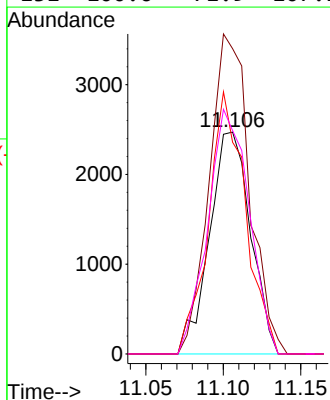
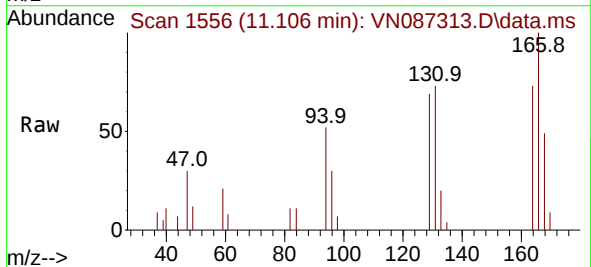
Manual Integrations
APPROVED

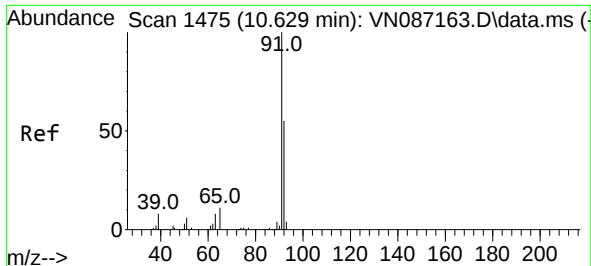
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#61
Tetrachloroethene
Concen: 2.498 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Tgt Ion:164 Resp: 4555
Ion Ratio Lower Upper
164 100
166 137.5 105.4 158.2
129 95.4 77.9 116.9
131 100.6 71.9 107.9





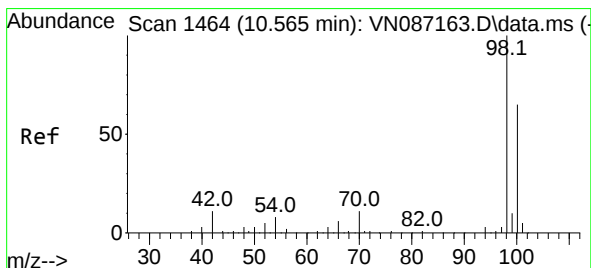
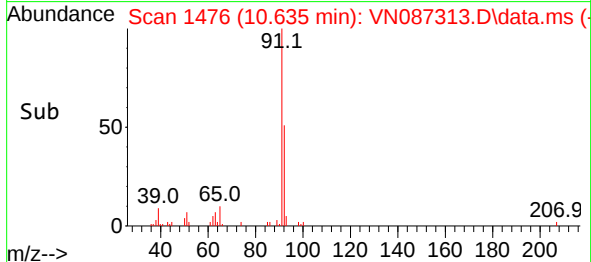
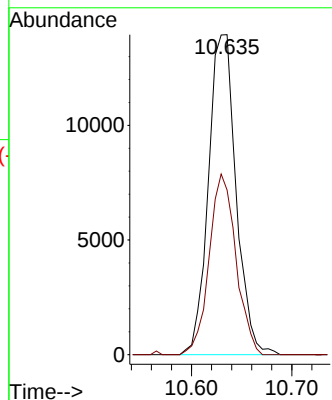
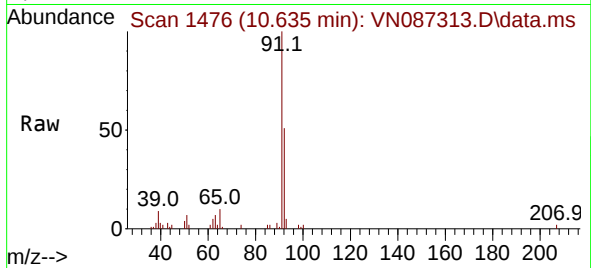
#62
Toluene
Concen: 2.573 ug/l
RT: 10.635 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion: 91 Resp: 26748
Ion Ratio Lower Upper
91 100
92 54.5 45.8 68.8

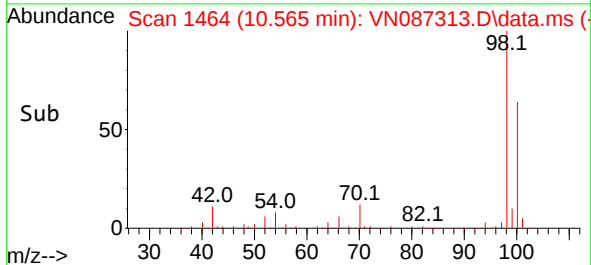
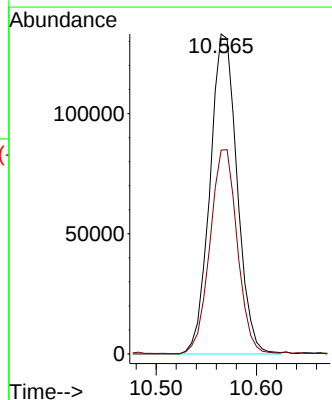
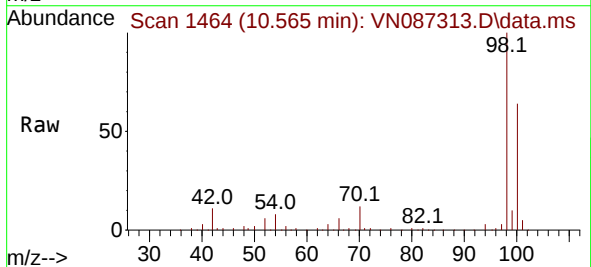
Manual Integrations
APPROVED

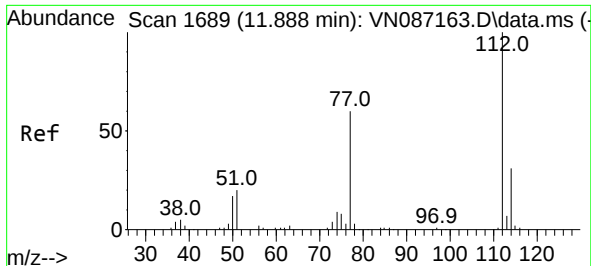
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#63
Toluene-d8
Concen: 30.185 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

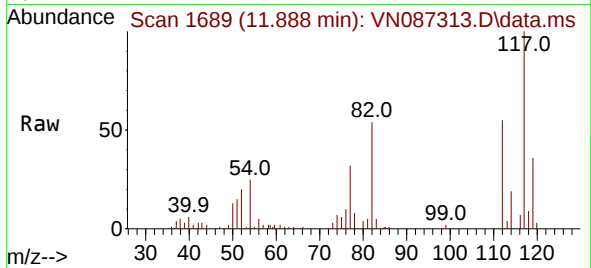
Tgt Ion: 98 Resp: 249509
Ion Ratio Lower Upper
98 100
100 64.4 52.5 78.7





#64
Chlorobenzene
Concen: 2.475 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

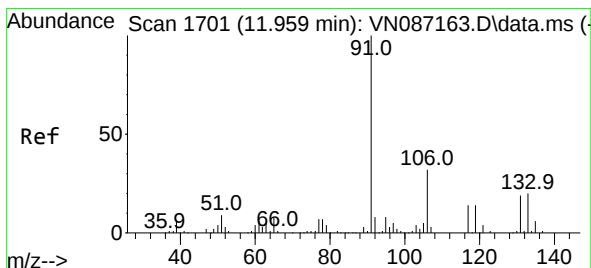
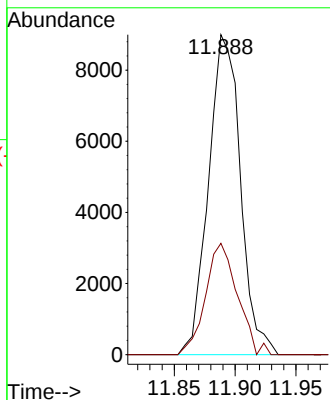
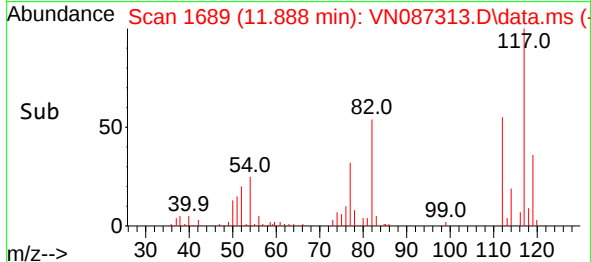
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion:112 Resp: 1641
Ion Ratio Lower Upper
112 100
114 34.8 25.0 37.4

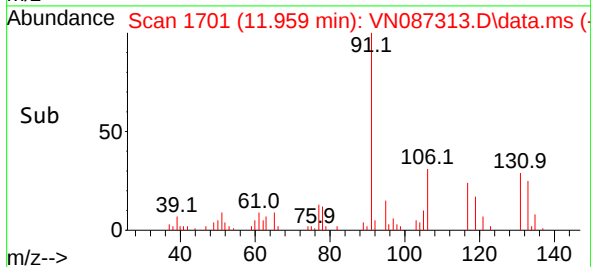
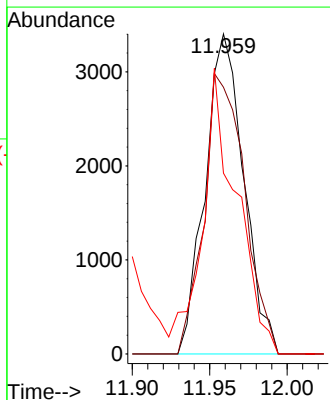
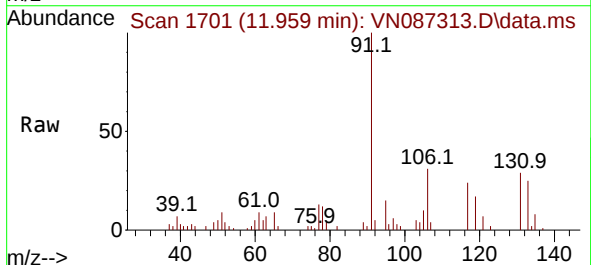
Manual Integrations
APPROVED

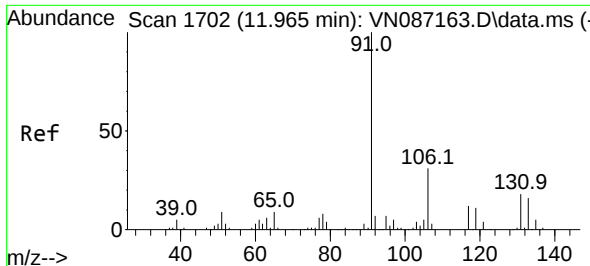
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#65
1,1,1,2-Tetrachloroethane
Concen: 2.693 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Tgt Ion:131 Resp: 5902
Ion Ratio Lower Upper
131 100
133 92.0 0.0 187.8
119 51.5 0.0 140.0





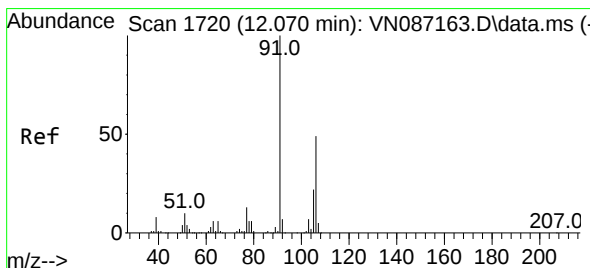
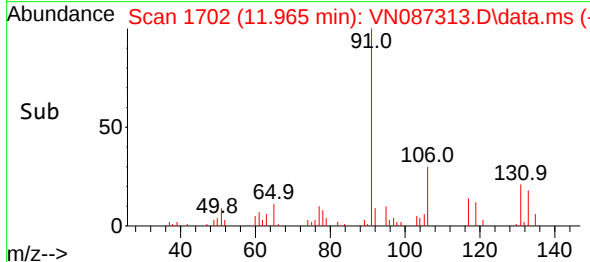
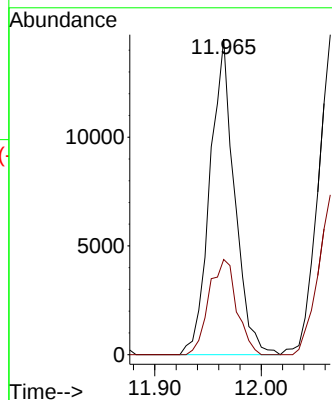
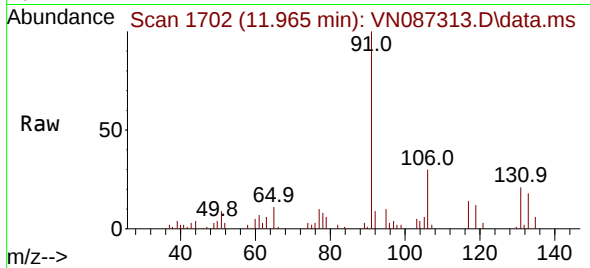
#66
Ethyl Benzene
Concen: 2.049 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion: 91 Resp: 2332
Ion Ratio Lower Upper
91 100
106 30.2 24.8 37.2

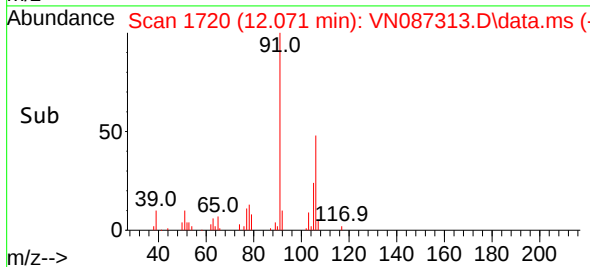
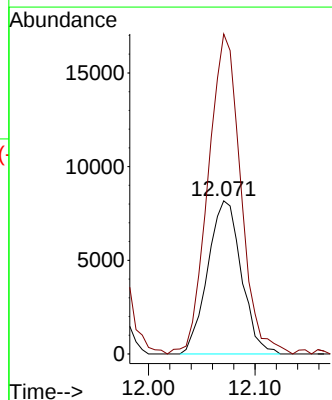
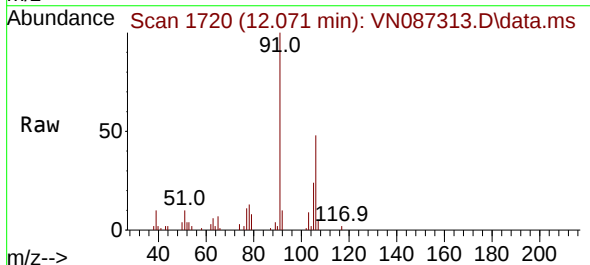
Manual Integrations
APPROVED

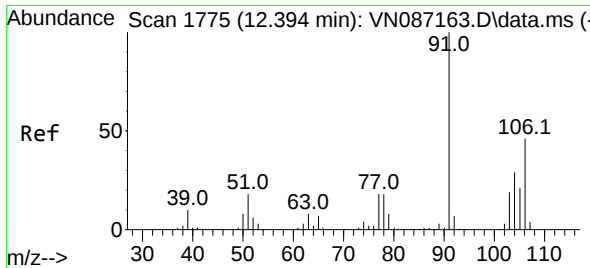
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#67
m/p-Xylenes
Concen: 4.112 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Tgt Ion:106 Resp: 17933
Ion Ratio Lower Upper
106 100
91 201.1 163.0 244.4





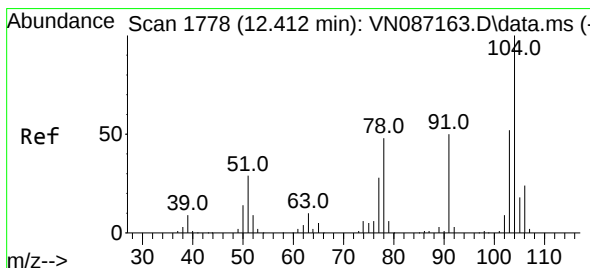
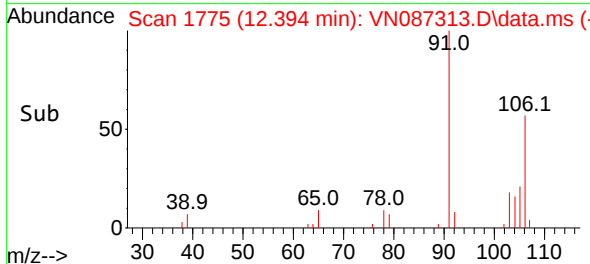
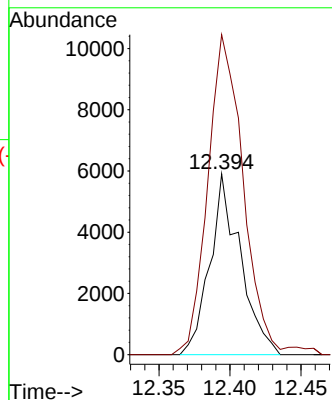
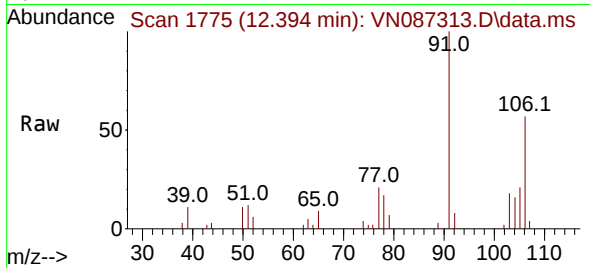
#68
o-Xylene
Concen: 2.121 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025

Tgt Ion:106 Resp: 882
Ion Ratio Lower Upper
106 100
91 203.7 107.1 321.1

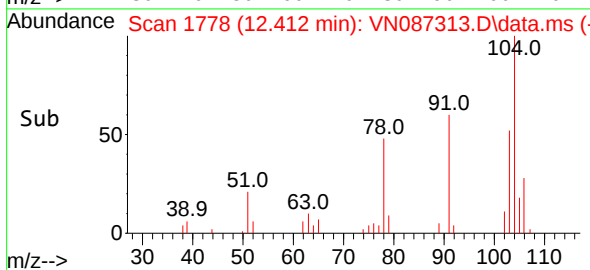
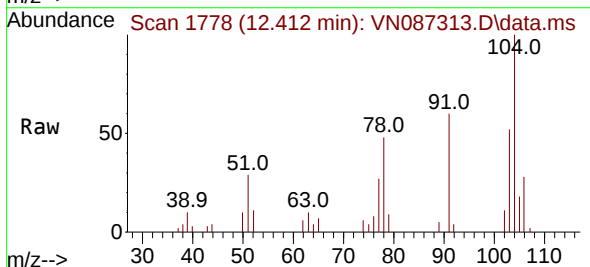
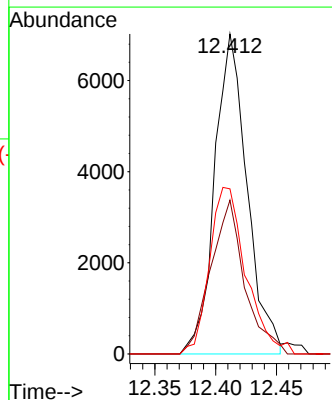
Manual Integrations
APPROVED

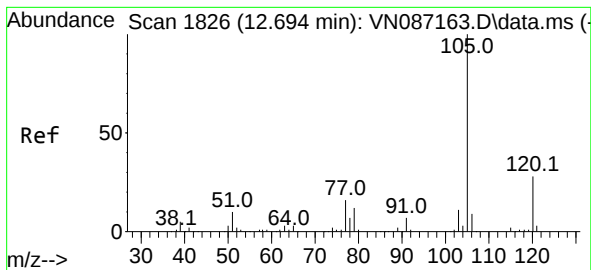
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#69
Styrene
Concen: 1.817 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Tgt Ion:104 Resp: 12981
Ion Ratio Lower Upper
104 100
78 50.4 39.8 59.8
103 58.1 44.2 66.4





#70

Isopropylbenzene

Concen: 2.020 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN087313.D

Acq: 09 Jul 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

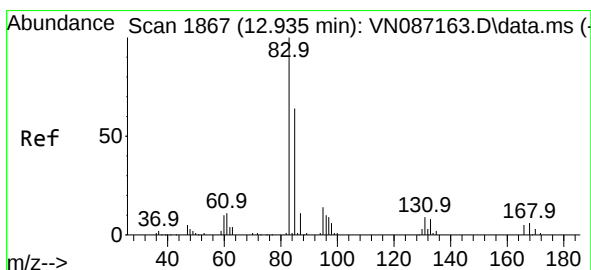
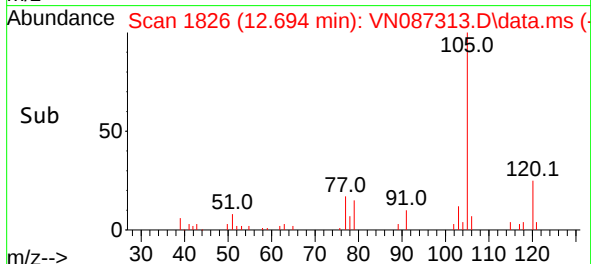
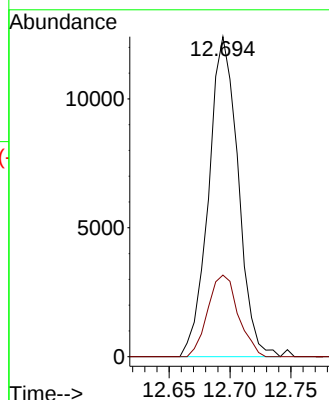
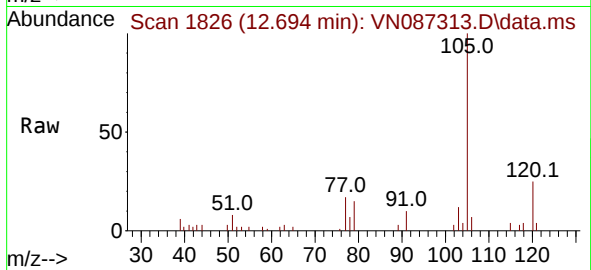
Tgt Ion:105 Resp: 20928
 Ion Ratio Lower Upper
 105 100
 120 26.3 19.0 35.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/10/2025

Supervised By :Mahesh Dadoda 07/10/2025



#71

1,1,2,2-Tetrachloroethane

Concen: 2.420 ug/l

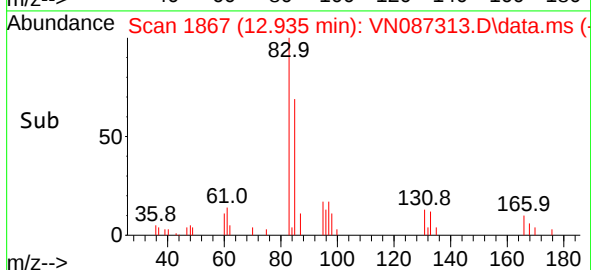
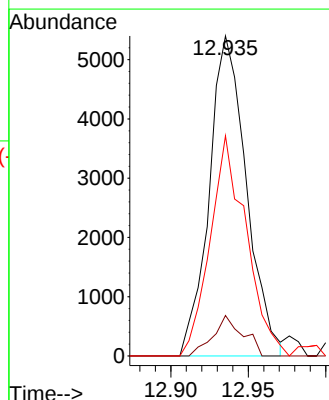
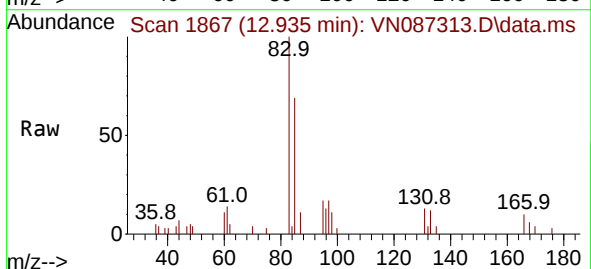
RT: 12.935 min Scan# 1867

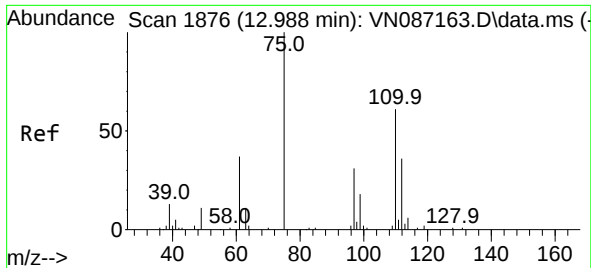
Delta R.T. 0.000 min

Lab File: VN087313.D

Acq: 09 Jul 2025 16:09

Tgt Ion: 83 Resp: 9026
 Ion Ratio Lower Upper
 83 100
 131 10.1 4.5 13.4
 85 66.5 31.3 93.9





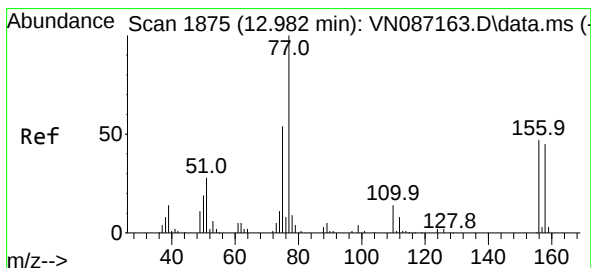
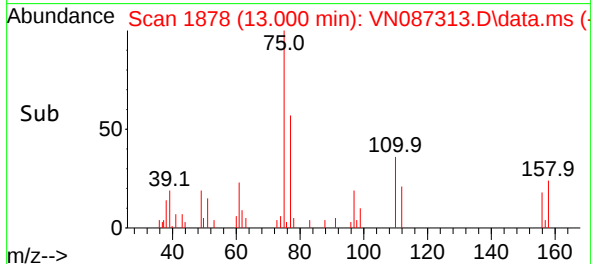
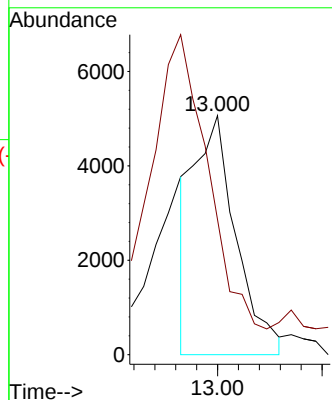
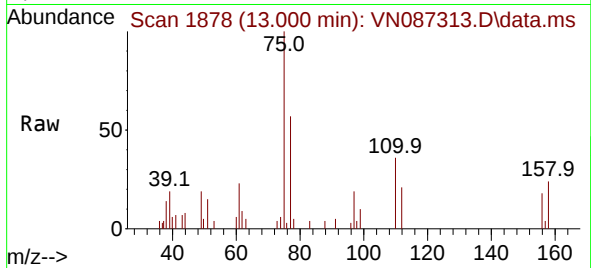
#72
1,2,3-Trichloropropane
Concen: 2.219 ug/l m
RT: 13.000 min Scan# 1877
Delta R.T. 0.012 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion: 75 Resp: 713
Ion Ratio Lower Upper
75 100
77 196.5 0.0 379.2

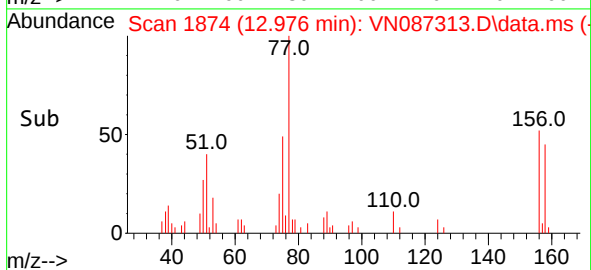
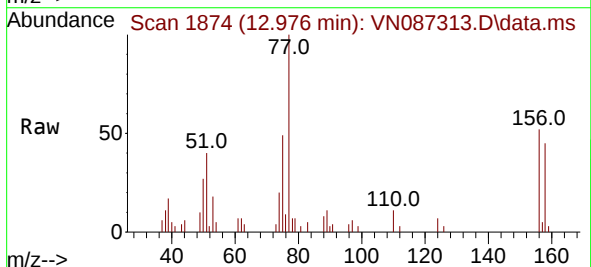
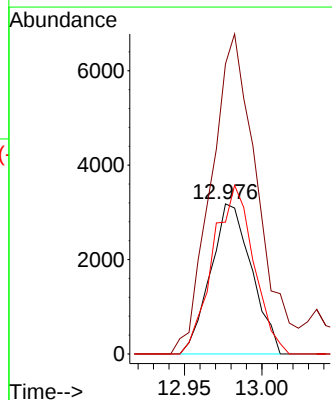
Manual Integrations
APPROVED

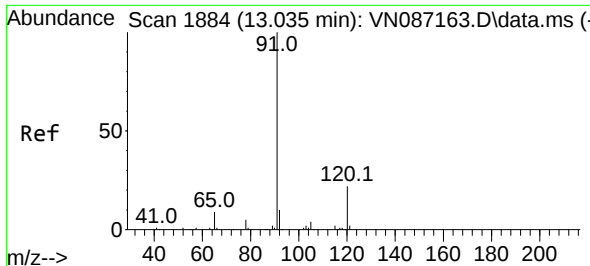
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#73
Bromobenzene
Concen: 2.327 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Tgt Ion:156 Resp: 5849
Ion Ratio Lower Upper
156 100
77 239.8 0.0 489.0
158 111.9 0.0 195.2





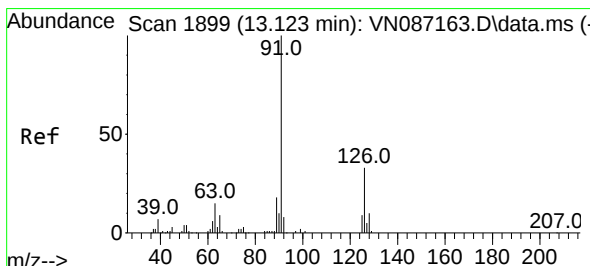
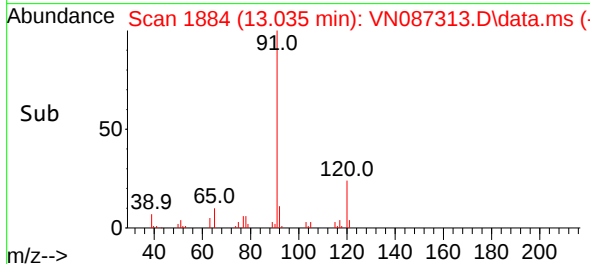
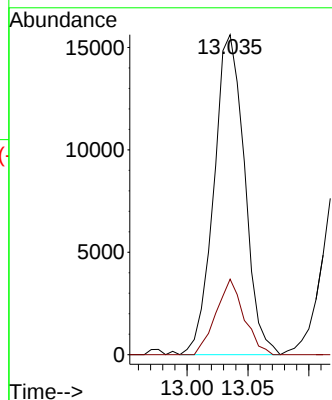
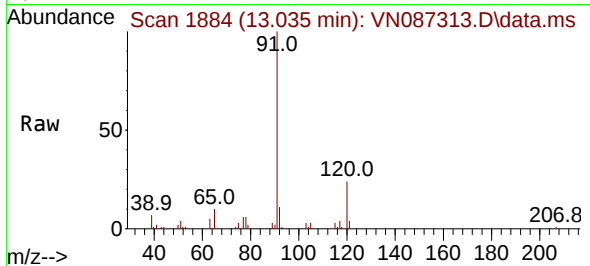
#74
n-propylbenzene
Concen: 2.159 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025

Tgt Ion: 91 Resp: 2733
Ion Ratio Lower Upper
91 100
120 21.5 0.0 43.6

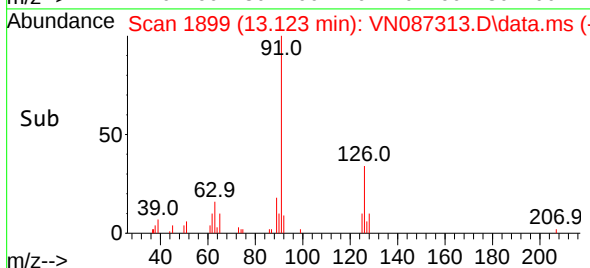
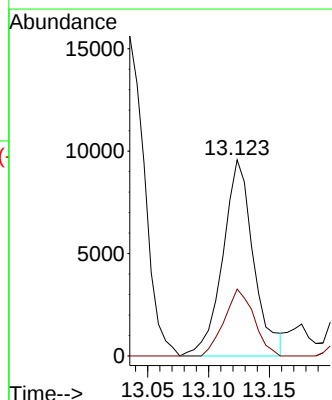
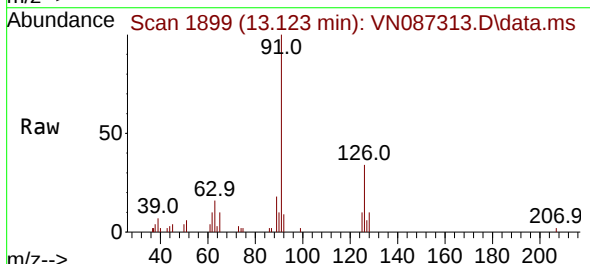
Manual Integrations
APPROVED

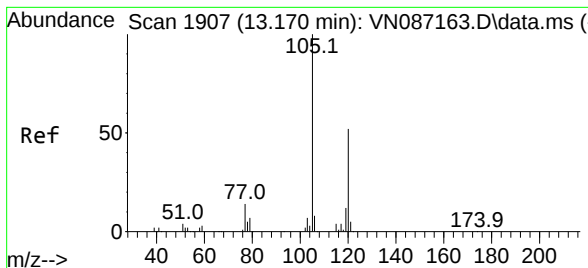
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#75
2-Chlorotoluene
Concen: 2.203 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Tgt Ion: 91 Resp: 16848
Ion Ratio Lower Upper
91 100
126 32.8 0.0 63.8





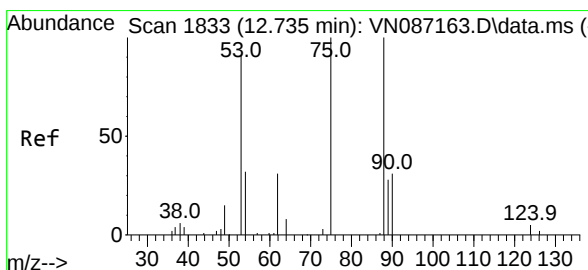
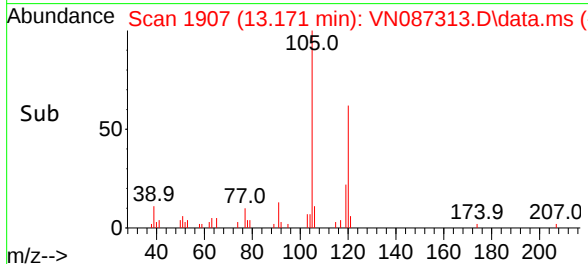
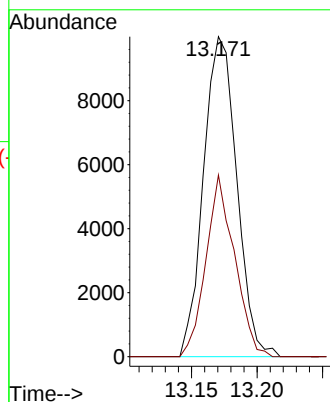
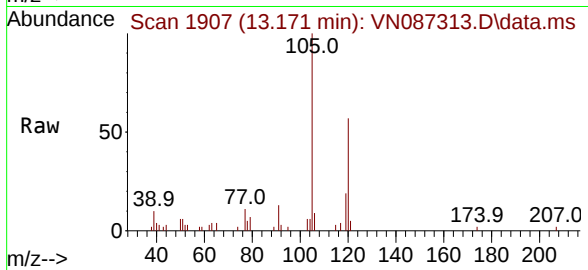
#76
1,3,5-Trimethylbenzene
Concen: 2.092 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025

Tgt Ion:105 Resp: 17640
Ion Ratio Lower Upper
105 100
120 48.8 0.0 100.8

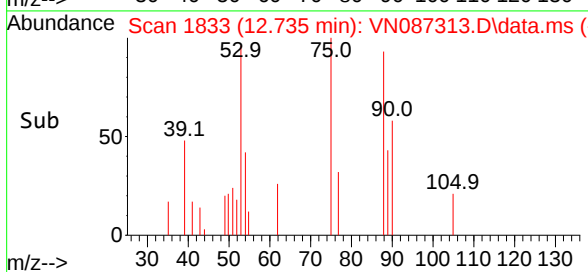
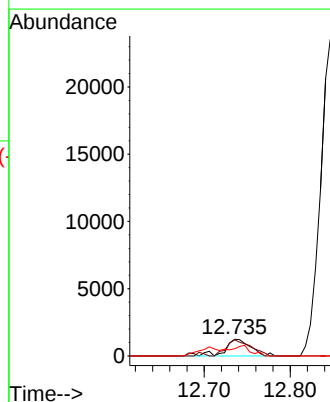
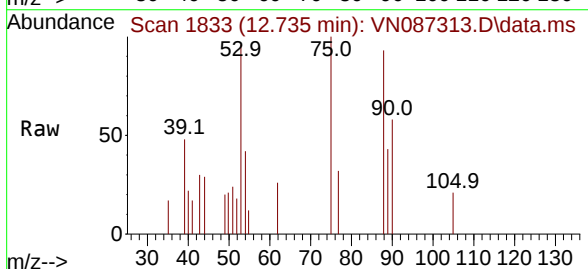
Manual Integrations
APPROVED

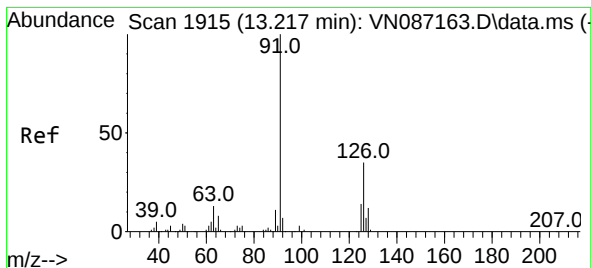
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#77
t-1,4-Dichloro-2-butene
Concen: 1.832 ug/l m
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Tgt Ion: 75 Resp: 2614
Ion Ratio Lower Upper
75 100
53 96.4 45.9 137.6
89 42.6 22.3 66.9





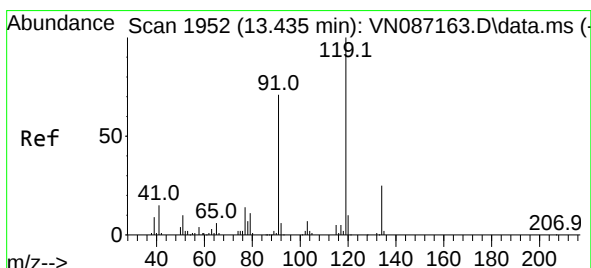
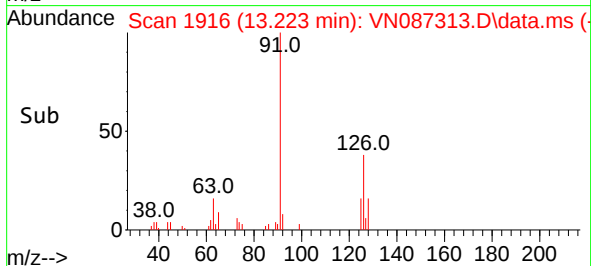
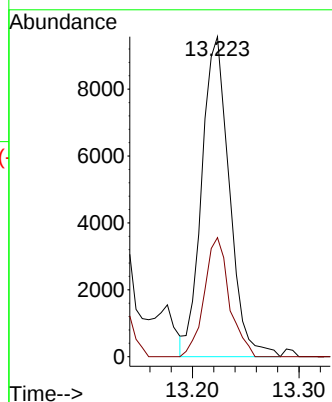
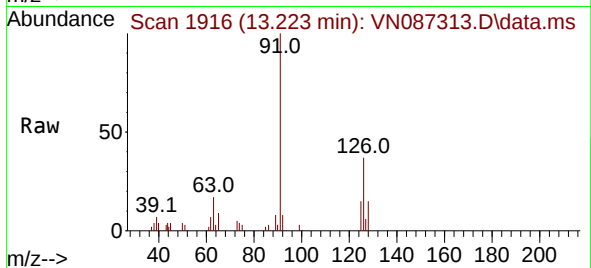
#78
4-Chlorotoluene
Concen: 2.200 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion: 91 Resp: 1723
Ion Ratio Lower Upper
91 100
126 33.9 0.0 65.2

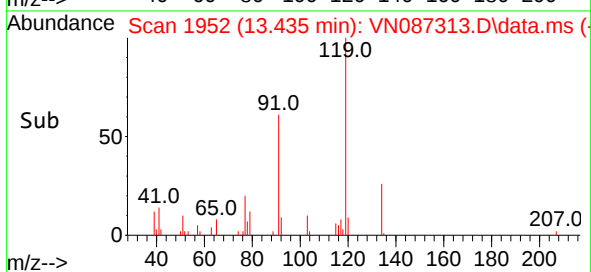
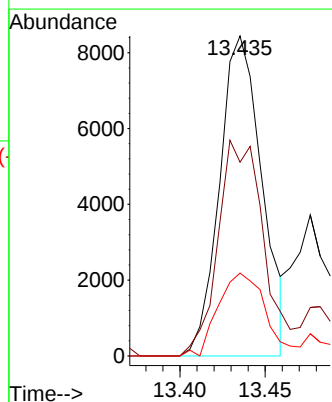
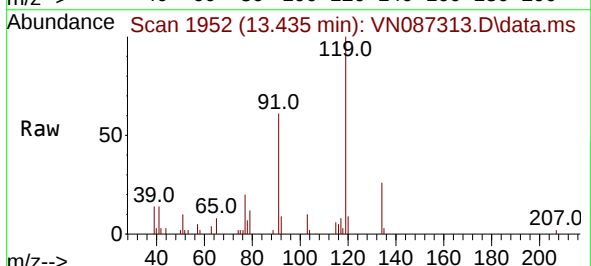
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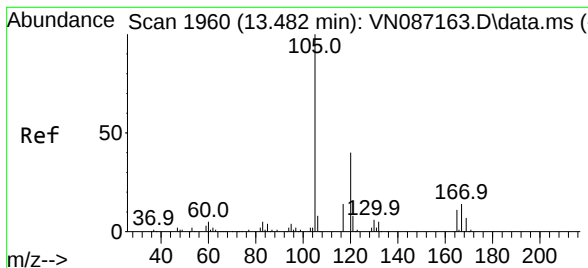
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#79
tert-butylbenzene
Concen: 2.060 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Tgt Ion:119 Resp: 14605
Ion Ratio Lower Upper
119 100
91 71.7 0.0 137.0
134 28.5 0.0 49.4





#80

1,2,4-Trimethylbenzene

Concen: 1.985 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN087313.D

Acq: 09 Jul 2025 16:09

Instrument :

MSVOA_N

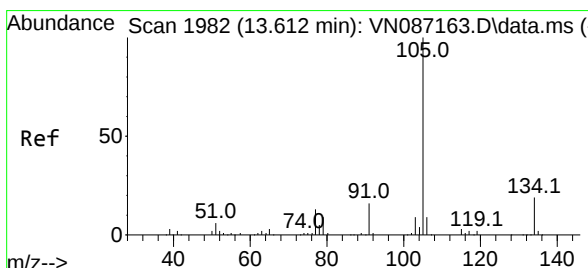
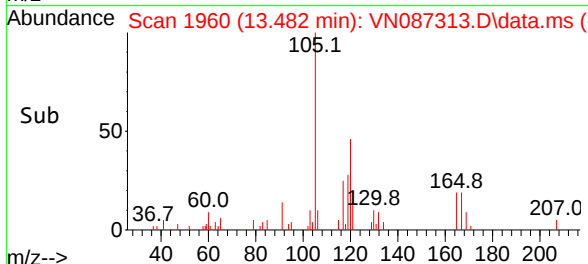
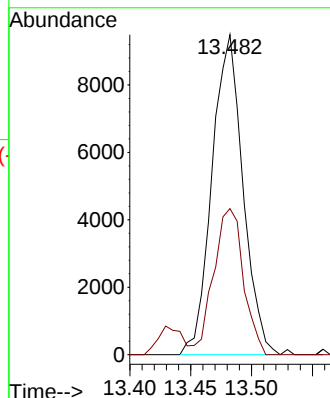
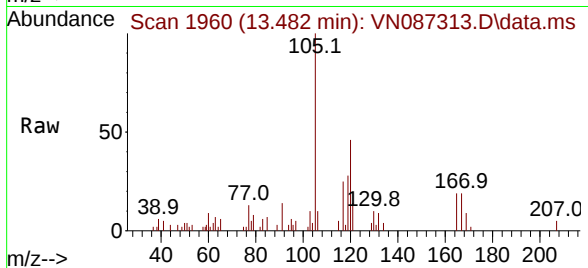
ClientSampleId :

MDL-WATER-03-QT2-2025

Tgt Ion:105 Resp: 1681
 Ion Ratio Lower Upper
 105 100
 120 44.1 0.0 94.0

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Reviewed By :John Carlone 07/10/2025
 Supervised By :Mahesh Dadoda 07/10/2025



#81

sec-Butylbenzene

Concen: 2.071 ug/l

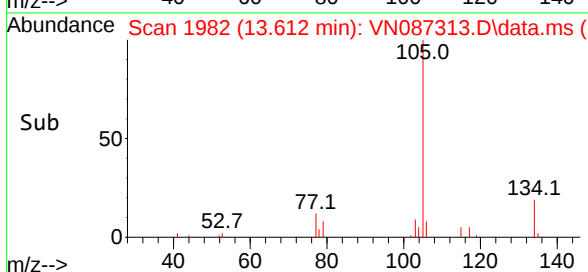
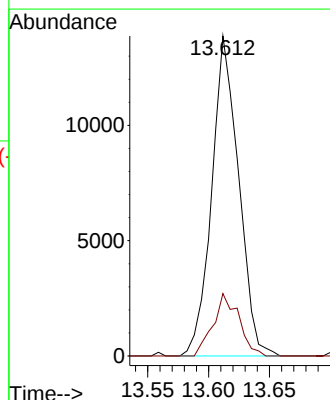
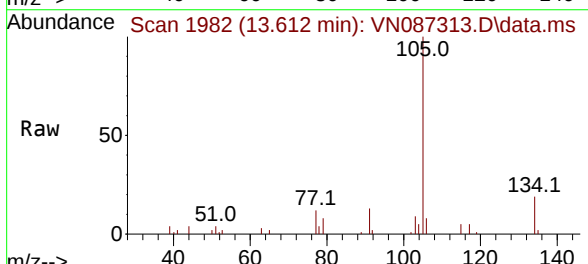
RT: 13.612 min Scan# 1982

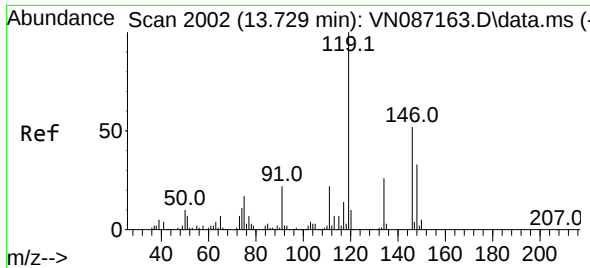
Delta R.T. 0.000 min

Lab File: VN087313.D

Acq: 09 Jul 2025 16:09

Tgt Ion:105 Resp: 21346
 Ion Ratio Lower Upper
 105 100
 134 18.7 0.0 39.4





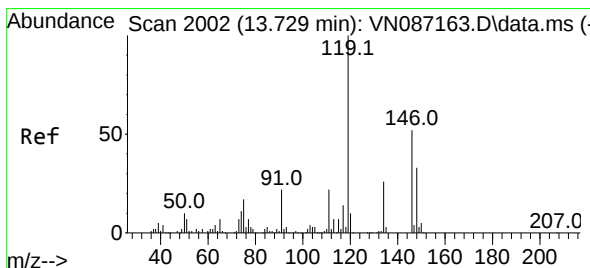
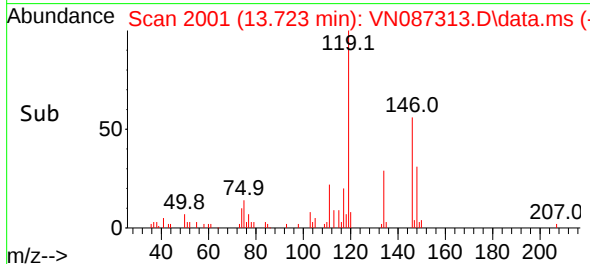
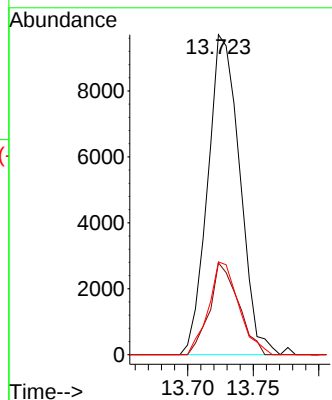
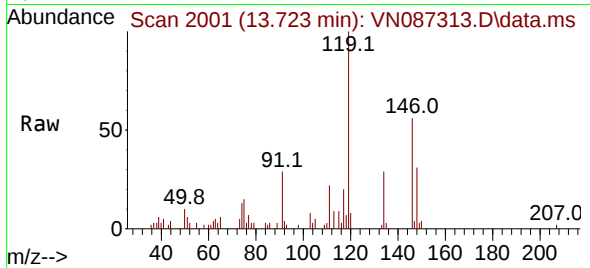
#82
p-Isopropyltoluene
Concen: 1.923 ug/l
RT: 13.723 min Scan# 2000
Delta R.T. -0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025

Tgt Ion:119 Resp: 16498
Ion Ratio Lower Upper
119 100
134 25.9 0.0 51.2
91 27.3 0.0 46.4

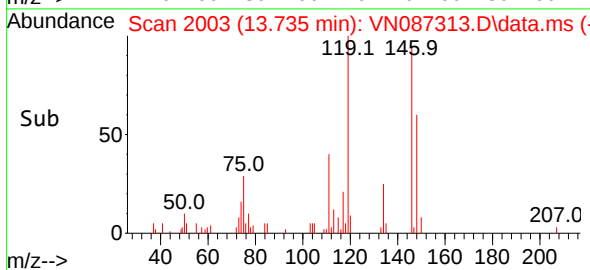
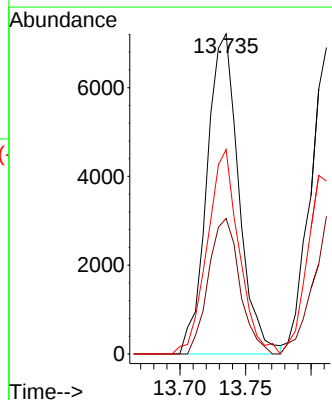
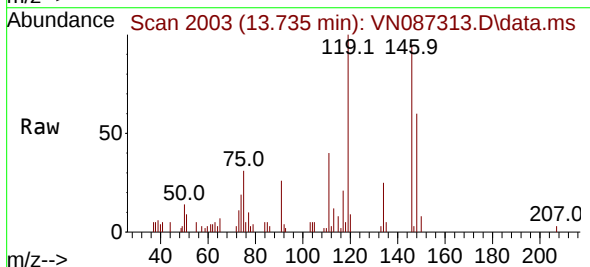
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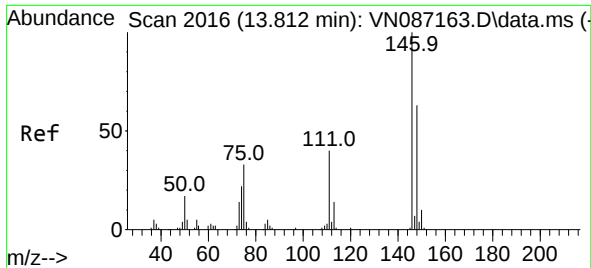
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#83
1,3-Dichlorobenzene
Concen: 2.525 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Tgt Ion:146 Resp: 12221
Ion Ratio Lower Upper
146 100
111 41.4 21.1 63.3
148 63.2 31.6 94.8





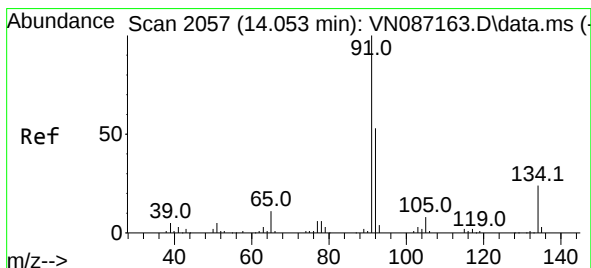
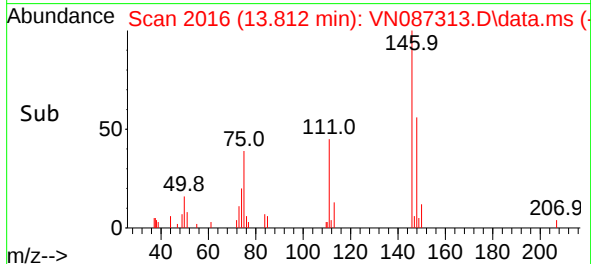
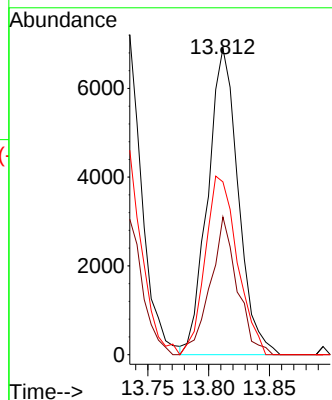
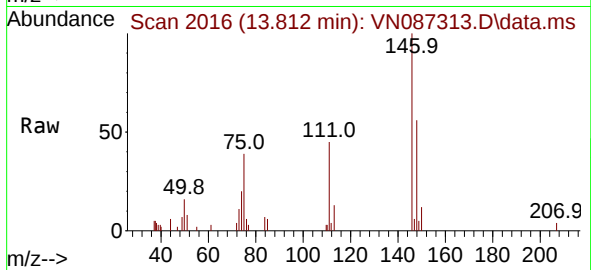
#84
1,4-Dichlorobenzene
Concen: 2.473 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion:146 Resp: 12049
Ion Ratio Lower Upper
146 100
111 39.5 20.1 60.2
148 61.4 31.4 94.2

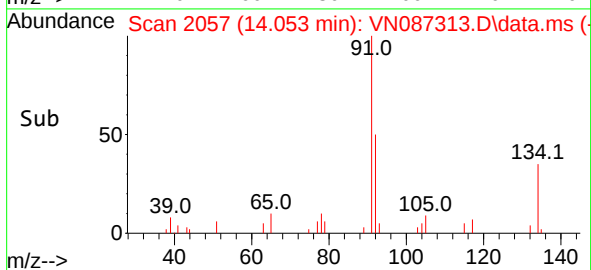
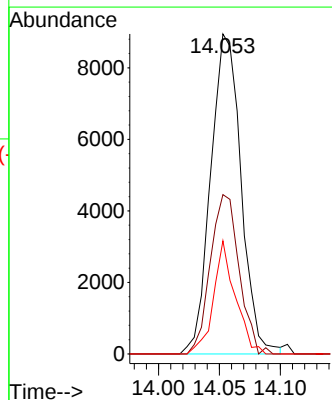
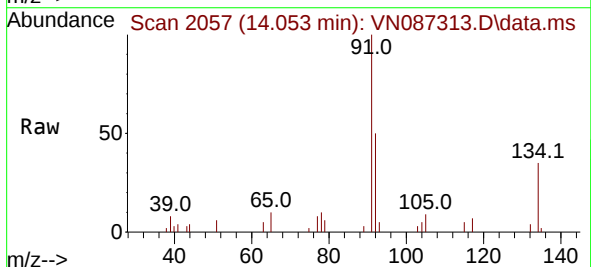
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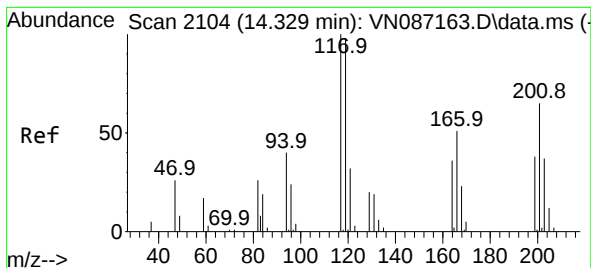
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#85
n-Butylbenzene
Concen: 1.985 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

Tgt Ion: 91 Resp: 15537
Ion Ratio Lower Upper
91 100
92 46.8 0.0 106.4
134 25.5 0.0 48.8





#86

Hexachloroethane

Concen: 2.805 ug/l

RT: 14.335 min Scan# 2104

Delta R.T. 0.006 min

Lab File: VN087313.D

Acq: 09 Jul 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

Tgt Ion:117 Resp: 4554

Ion Ratio Lower Upper

117 100

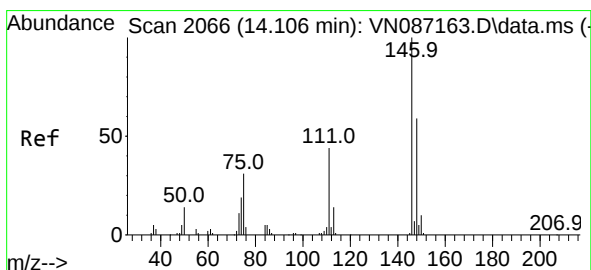
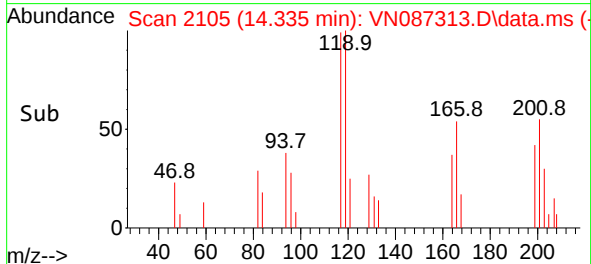
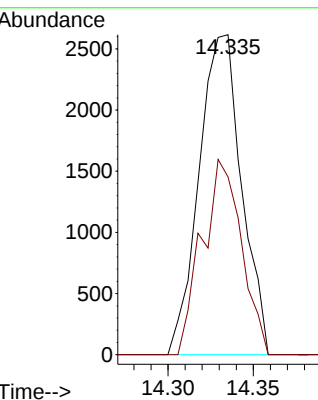
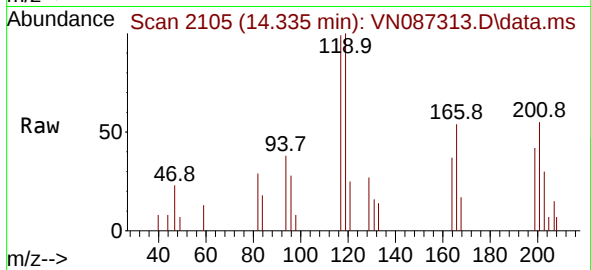
201 56.3 30.8 92.3

Manual Integrations

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Reviewed By :John Carlone 07/10/2025

Supervised By :Mahesh Dadoda 07/10/2025



#87

1,2-Dichlorobenzene

Concen: 2.353 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN087313.D

Acq: 09 Jul 2025 16:09

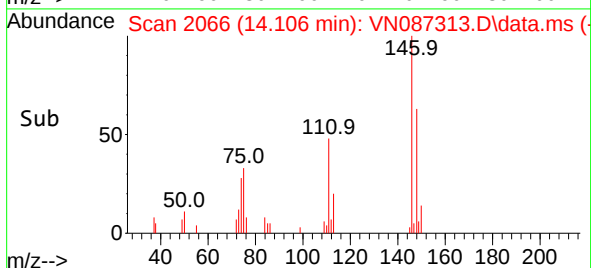
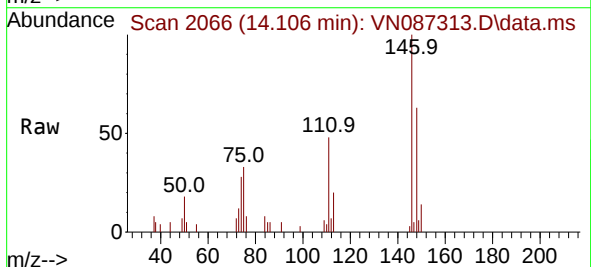
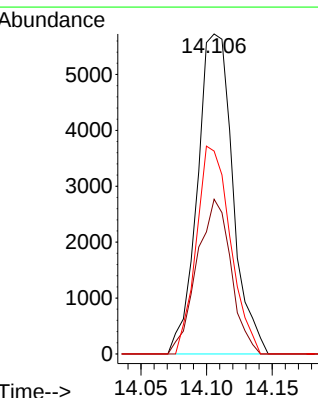
Tgt Ion:146 Resp: 10737

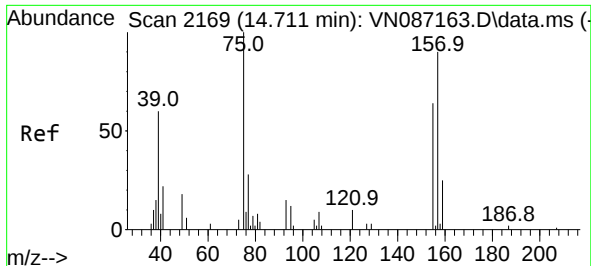
Ion Ratio Lower Upper

146 100

111 46.6 22.1 66.1

148 62.3 31.6 95.0





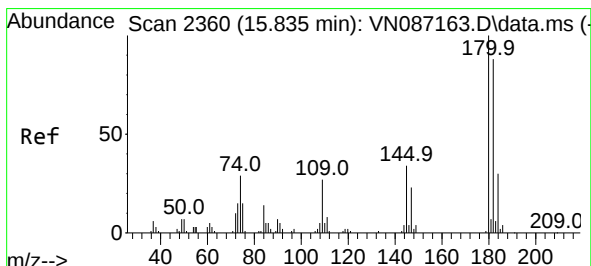
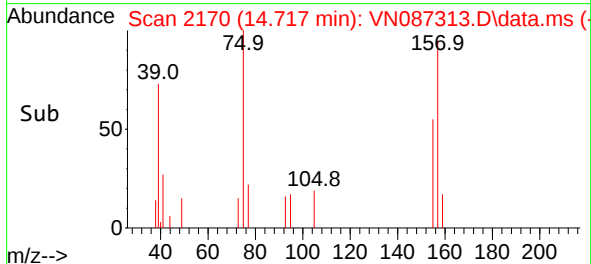
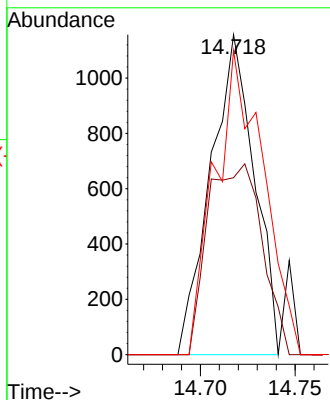
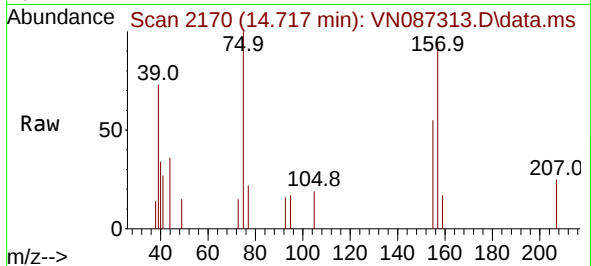
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.208 ug/l
 RT: 14.717 min Scan# 2169
 Delta R.T. 0.006 min
 Lab File: VN087313.D
 Acq: 09 Jul 2025 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2025

Tgt Ion: 75 Resp: 1854
 Ion Ratio Lower Upper
 75 100
 155 29.3 58.3 87.5
 157 106.1 79.2 118.8

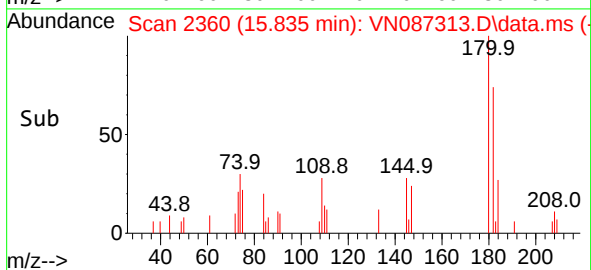
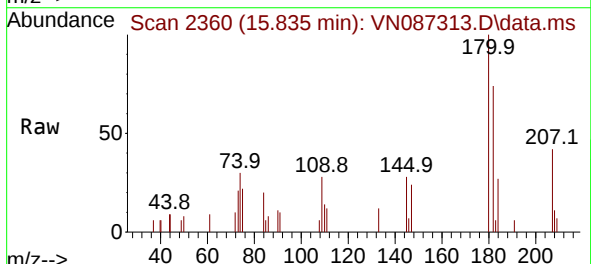
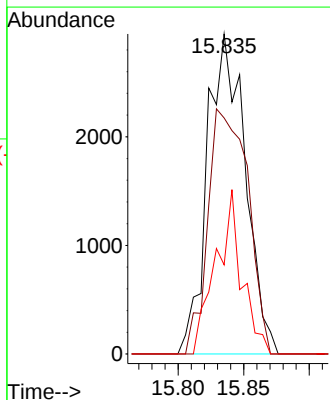
Manual Integrations
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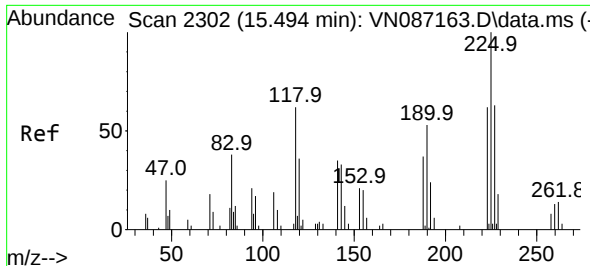
Reviewed By :John Carlone 07/10/2025
 Supervised By :Mahesh Dadoda 07/10/2025



#89
 1,2,4-Trichlorobenzene
 Concen: 2.297 ug/l
 RT: 15.835 min Scan# 2360
 Delta R.T. 0.000 min
 Lab File: VN087313.D
 Acq: 09 Jul 2025 16:09

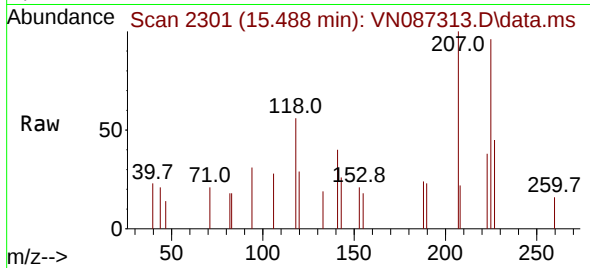
Tgt Ion:180 Resp: 5932
 Ion Ratio Lower Upper
 180 100
 182 80.8 74.2 111.2
 145 35.1 27.6 41.4





#90
Hexachlorobutadiene
Concen: 2.418 ug/l
RT: 15.488 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09

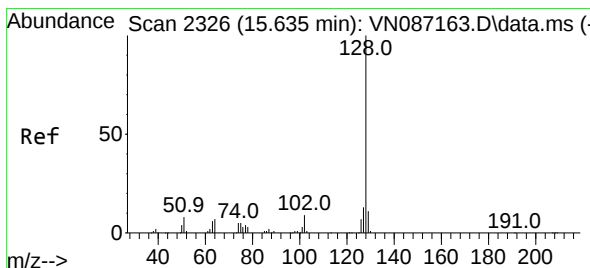
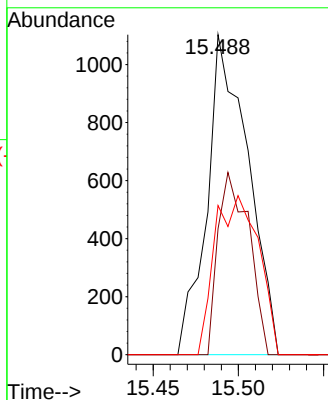
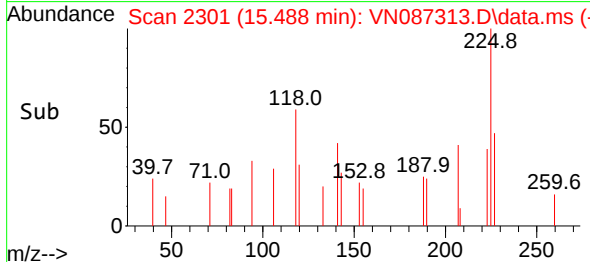
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



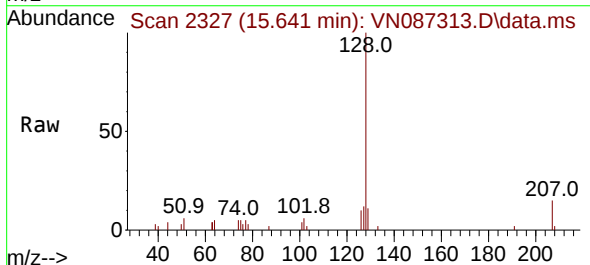
Tgt Ion:225 Resp: 185
Ion Ratio Lower Upper
225 100
223 42.8 0.0 134.2
227 53.1 0.0 122.6

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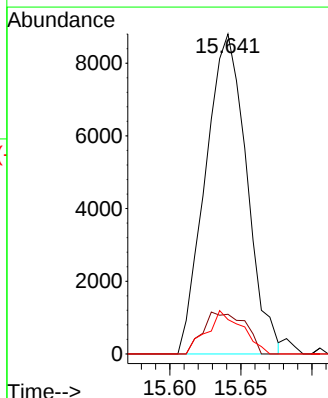
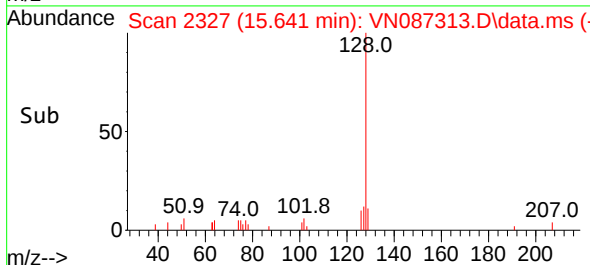
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

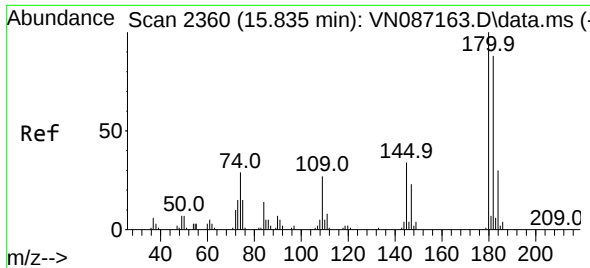


#91
Naphthalene
Concen: 1.743 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN087313.D
Acq: 09 Jul 2025 16:09



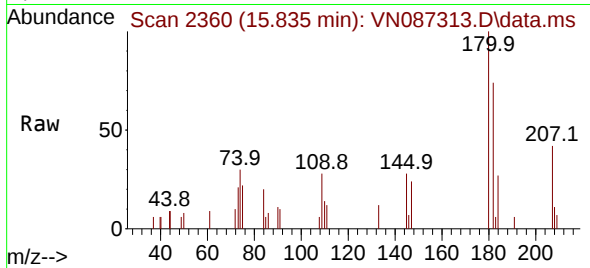
Tgt Ion:128 Resp: 17714
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 11.7 8.8 13.2





#92
 1,2,3-Trichlorobenzene
 Concen: 2.297 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN087313.D
 Acq: 09 Jul 2025 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2025



Tgt Ion	Ratio	Lower	Upper
180	100		
182	80.8	0.0	185.4
145	35.1	0.0	69.0

Manual Integrations
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Reviewed By :John Carlone 07/10/2025
 Supervised By :Mahesh Dadoda 07/10/2025

