

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112625\
 Data File : VN088366.D
 Acq On : 26 Nov 2025 11:09
 Operator : JC\MD
 Sample : Q3530-09 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2025

Quant Time: Nov 27 00:10:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 12/01/2025
 Supervised By :Semsettin Yesilyurt 12/01/2025

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

Internal Standards						
1) Bromochloromethane	7.794	128	49653	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	260835	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	235255	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	134113	29.570	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.567%		
60) 4-Bromofluorobenzene	12.829	95	101742	25.583	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	85.267%		
63) Toluene-d8	10.547	98	338656	30.406	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.367%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	5925	1.698	ug/l	97
3) Chloromethane	2.389	50	9028	2.509	ug/l	100
4) Vinyl Chloride	2.536	62	8361	2.197	ug/l	98
5) Bromomethane	2.983	94	5022	2.475	ug/l	97
6) Chloroethane	3.136	64	5328	2.265	ug/l	97
7) Trichlorofluoromethane	3.506	101	12307m	2.307	ug/l	
8) Diethyl Ether	3.965	74	4941	2.478	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.383	101	6339m	2.265	ug/l	
10) 1,1-Dichloroethene	4.348	96	6262	2.293	ug/l	89
11) Methyl Iodide	4.595	142	6236m	2.146	ug/l	
12) Methyl Acetate	5.018	43	10884	2.471	ug/l	90
13) Acrolein	4.177	56	9727m	15.009	ug/l	
14) Acrylonitrile	5.700	53	25211m	12.596	ug/l	
15) Acetone	4.424	58	5241m	8.954	ug/l	
16) Carbon Disulfide	4.706	76	21518	2.337	ug/l	96
17) Allyl chloride	5.012	41	12178m	2.295	ug/l	
18) Methylene Chloride	5.271	84	9285	2.736	ug/l #	80
19) trans-1,2-Dichloroethene	5.789	96	8171m	2.570	ug/l	
20) Diisopropyl ether	6.665	45	24903m	2.196	ug/l	
21) 1,1-Dichloroethane	6.553	63	16121	2.524	ug/l #	91
22) cis-1,2-Dichloroethene	7.471	96	8628	2.335	ug/l #	87
23) tert-Butyl Alcohol	5.512	59	8203m	11.146	ug/l	
24) Methyl tert-Butyl Ether	5.771	73	23848m	2.166	ug/l	
25) Chloroform	7.941	83	16406m	2.592	ug/l	
26) Cyclohexane	8.241	56	10454	1.938	ug/l #	90
29) 1,1-Dichloropropene	8.353	75	9321	2.142	ug/l	70
30) 2-Butanone	7.471	43	25344	9.002	ug/l #	74
31) 2,2-Dichloropropane	7.477	77	12830	2.390	ug/l	95
32) 1,1,1-Trichloroethane	8.153	97	11818	2.203	ug/l	96
33) Carbon Tetrachloride	8.347	117	10261	2.240	ug/l	89
34) Benzene	8.588	78	32004	2.460	ug/l #	72
35) Methacrylonitrile	7.771	41	6940m	2.363	ug/l	
36) 1,2-Dichloroethane	8.653	62	11898	2.350	ug/l	98
37) Trichloroethene	9.336	130	7738	2.625	ug/l #	74
38) Methylcyclohexane	9.583	83	9758	1.956	ug/l	97
39) 1,2-Dichloropropane	9.600	63	7662	2.283	ug/l	97
40) Dibromomethane	9.694	93	6561	2.721	ug/l	98
41) Bromodichloromethane	9.865	83	11692	2.409	ug/l	94
42) Vinyl Acetate	6.589	43	94054	10.010	ug/l	100

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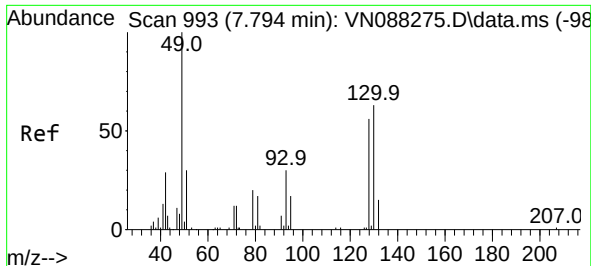
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	14463m	2.553	ug/l	
44) Isopropyl Acetate	8.671	43	20651	2.366	ug/l #	79
45) 1,4-Dioxane	9.688	88	2388m	45.427	ug/l	
46) Methyl methacrylate	9.659	41	8133m	1.991	ug/l	
47) n-amyl Acetate	12.682	43	13388m	3.027	ug/l	
48) t-1,3-Dichloropropene	10.824	75	11395	2.195	ug/l #	88
49) cis-1,3-Dichloropropene	10.294	75	12425	2.300	ug/l	93
50) 1,1,2-Trichloroethane	10.994	97	7085	2.376	ug/l #	87
51) Ethyl methacrylate	10.865	69	9409m	1.918	ug/l	
52) 1,3-Dichloropropane	11.141	76	12837	2.364	ug/l	93
53) Dibromochloromethane	11.341	129	7675	2.241	ug/l	91
54) 1,2-Dibromoethane	11.447	107	7280	2.350	ug/l	96
55) 2-Chloroethyl vinyl ether	10.147	63	30665	10.851	ug/l	95
56) Bromoform	12.565	173	4815	2.221	ug/l #	91
58) 4-Methyl-2-Pentanone	10.424	43	60798	11.426	ug/l	95
59) 2-Hexanone	11.182	43	21863	6.188	ug/l #	84
61) Tetrachloroethene	11.088	164	6969	2.873	ug/l	99
62) Toluene	10.606	91	32992	2.444	ug/l	99
64) Chlorobenzene	11.871	112	19138	2.289	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.941	131	6787	2.372	ug/l	92
66) Ethyl Benzene	11.941	91	31871	2.142	ug/l	98
67) m/p-Xylenes	12.053	106	22487	4.041	ug/l	91
68) o-Xylene	12.376	106	10523	2.005	ug/l	99
69) Styrene	12.394	104	15304	1.717	ug/l	93
70) Isopropylbenzene	12.676	105	25931	1.864	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.924	83	9899	2.197	ug/l #	97
72) 1,2,3-Trichloropropane	12.971	75	10460m	2.396	ug/l	
73) Bromobenzene	12.965	156	6536	2.081	ug/l	55
74) n-propylbenzene	13.018	91	33404	1.940	ug/l	97
75) 2-Chlorotoluene	13.112	91	21826	2.085	ug/l	96
76) 1,3,5-Trimethylbenzene	13.153	105	22722	1.946	ug/l	96
77) t-1,4-Dichloro-2-butene	12.724	75	3198m	2.133	ug/l	
78) 4-Chlorotoluene	13.206	91	21792	2.054	ug/l	99
79) tert-butylbenzene	13.418	119	17764	1.777	ug/l	92
80) 1,2,4-Trimethylbenzene	13.459	105	21109	1.818	ug/l	97
81) sec-Butylbenzene	13.594	105	26558	1.821	ug/l	96
82) p-Isopropyltoluene	13.712	119	21402	1.776	ug/l	99
83) 1,3-Dichlorobenzene	13.718	146	13124	2.151	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	13751	2.225	ug/l	93
85) n-Butylbenzene	14.035	91	19668	1.713	ug/l	100
86) Hexachloroethane	14.306	117	4347	1.884	ug/l	97
87) 1,2-Dichlorobenzene	14.088	146	13053	2.266	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.700	75	2291m	2.163	ug/l	
89) 1,2,4-Trichlorobenzene	15.817	180	7166	2.217	ug/l	92
90) Hexachlorobutadiene	15.476	225	2851	2.272	ug/l	95
91) Naphthalene	15.617	128	20997	1.796	ug/l #	90
92) 1,2,3-Trichlorobenzene	15.817	180	7166	2.217	ug/l	92

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



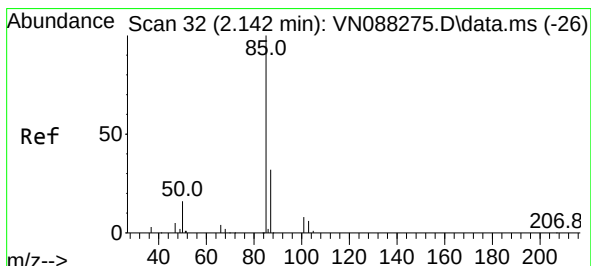
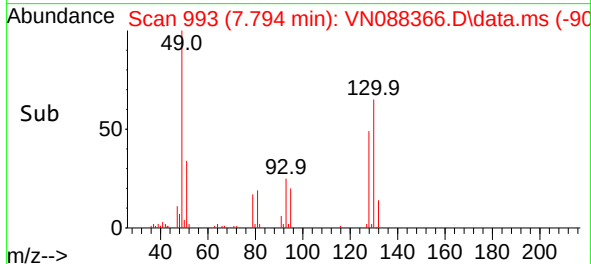
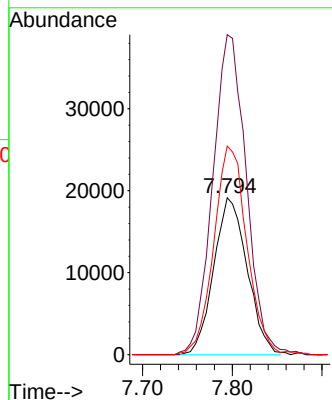
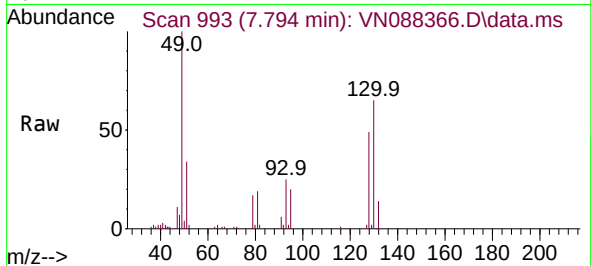
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088366.D
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MDL-WATER-03-QT4-2025

Tgt Ion:128 Resp: 49653
Ion Ratio Lower Upper
128 100
49 204.5 0.0 501.2
130 131.4 0.0 320.2

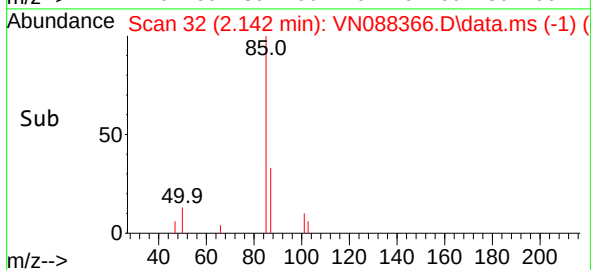
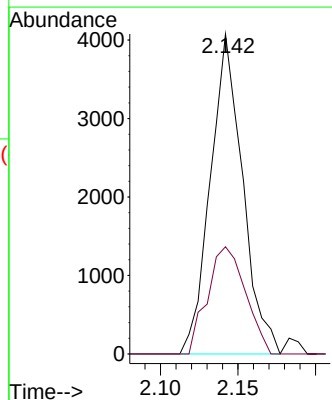
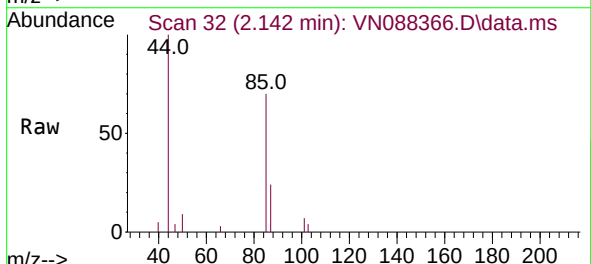
Manual Integrations
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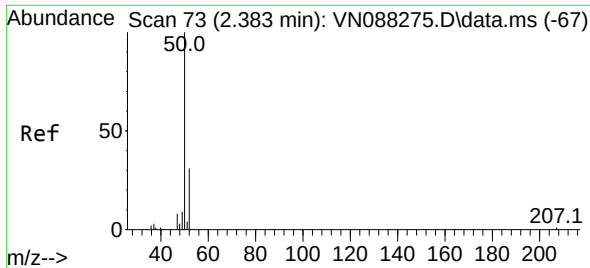
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#2
Dichlorodifluoromethane
Concen: 1.698 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

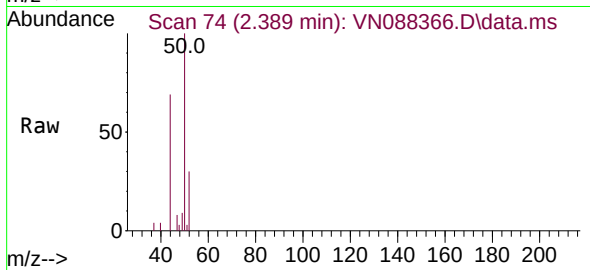
Tgt Ion: 85 Resp: 5925
Ion Ratio Lower Upper
85 100
87 33.5 16.0 48.0





#3
Chloromethane
Concen: 2.509 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

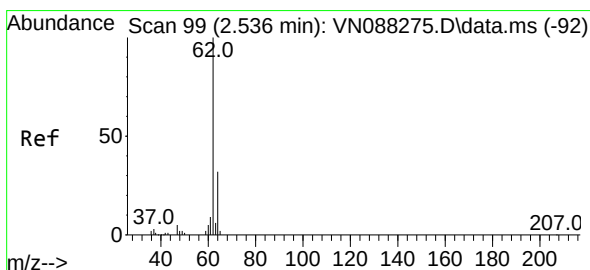
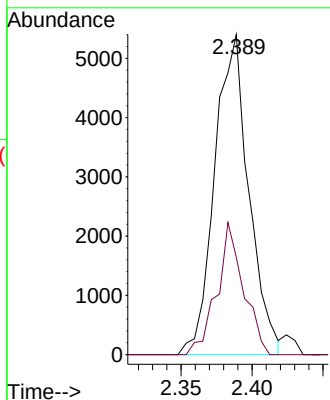
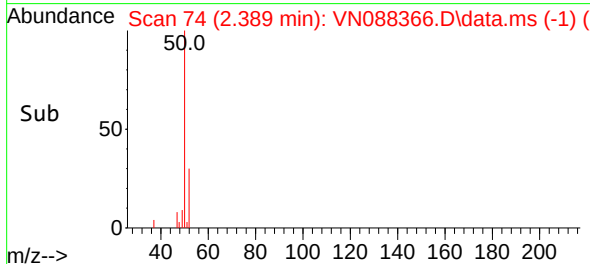
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025



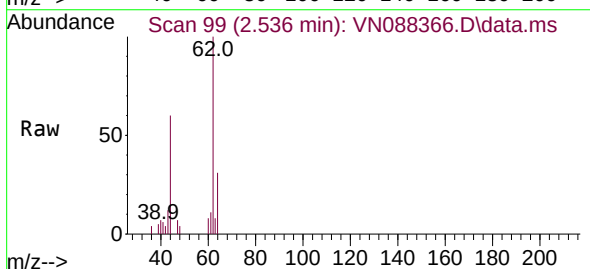
Tgt Ion: 50 Resp: 9028
Ion Ratio Lower Upper
50 100
52 30.5 24.6 36.8

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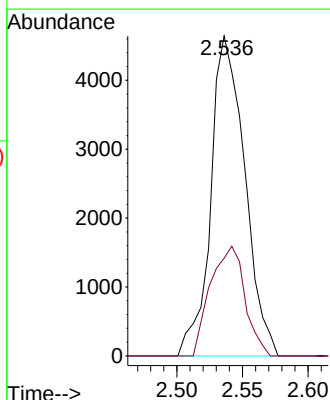
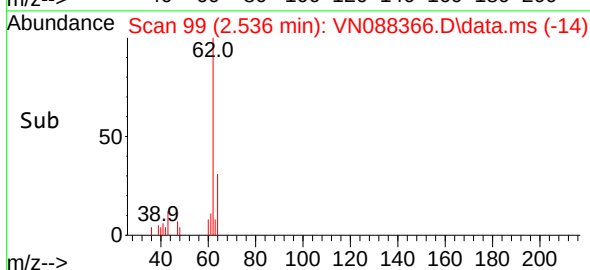
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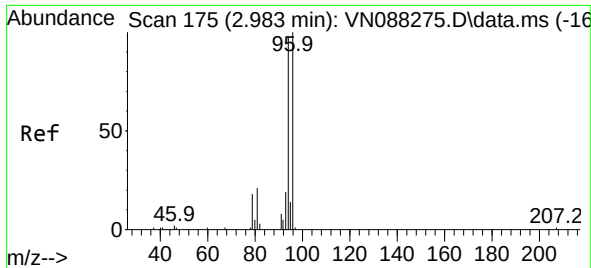


#4
Vinyl Chloride
Concen: 2.197 ug/l
RT: 2.536 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09



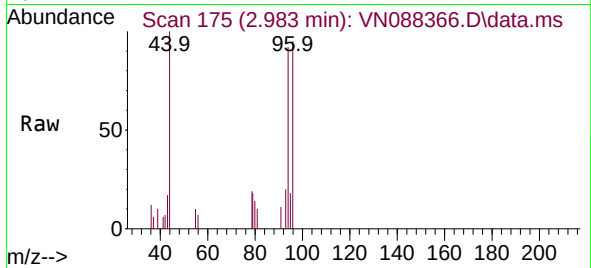
Tgt Ion: 62 Resp: 8361
Ion Ratio Lower Upper
62 100
64 30.5 25.4 38.2





#5
Bromomethane
Concen: 2.475 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

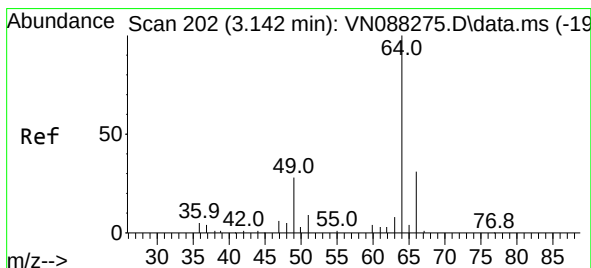
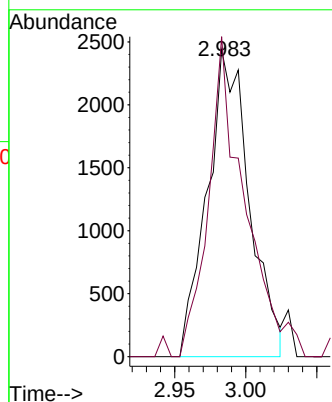
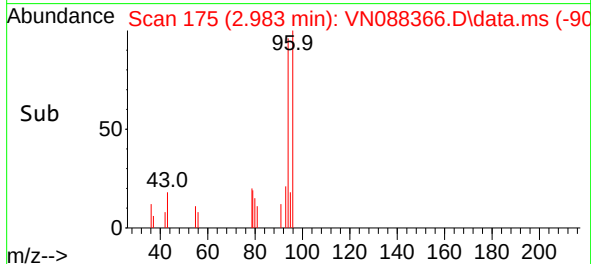
Instrument :
MSVOA_N
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MDL-WATER-03-QT4-2025



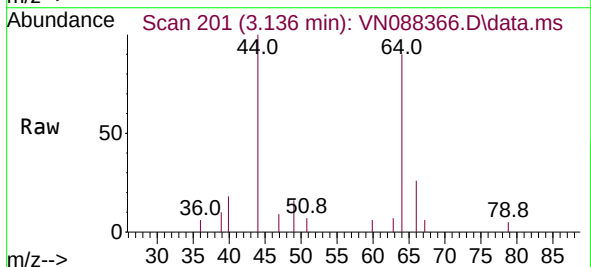
Tgt Ion: 94 Resp: 502
Ion Ratio Lower Upper
94 100
96 104.2 81.3 121.9

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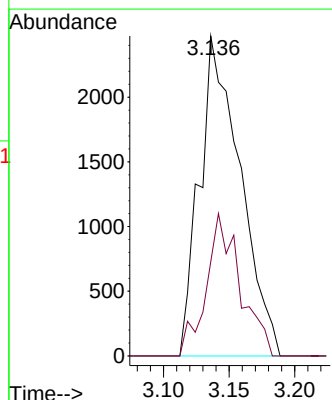
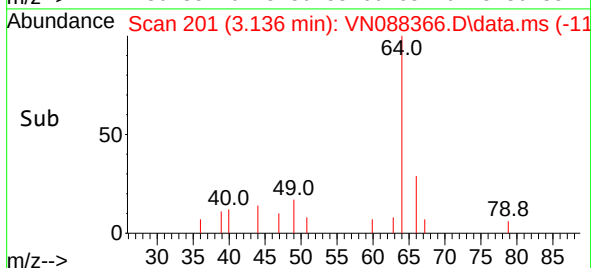
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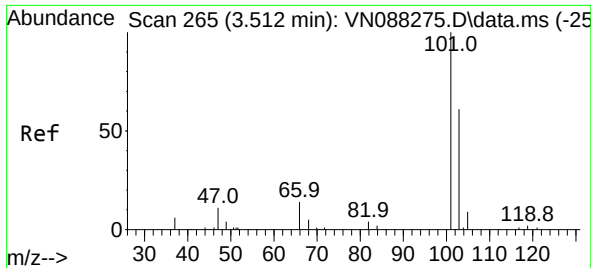


#6
Chloroethane
Concen: 2.265 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09



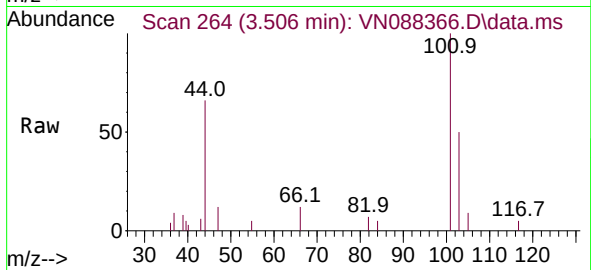
Tgt Ion: 64 Resp: 5328
Ion Ratio Lower Upper
64 100
66 29.4 24.7 37.1





#7
 Trichlorofluoromethane
 Concen: 2.307 ug/l m
 RT: 3.506 min Scan# 265
 Delta R.T. -0.006 min
 Lab File: VN088366.D
 Acq: 26 Nov 2025 11:09

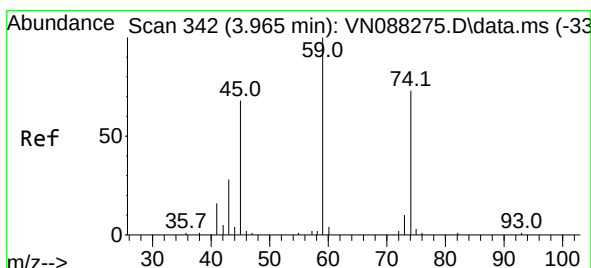
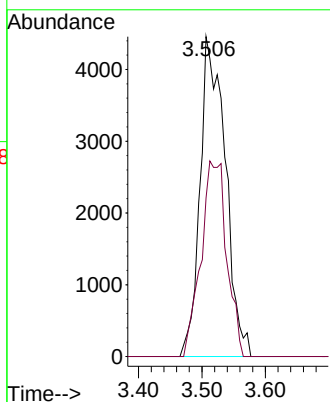
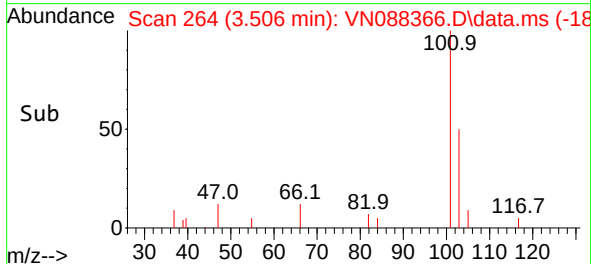
Instrument :
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Tgt Ion:101 Resp: 1230
 Ion Ratio Lower Upper
 101 100
 103 49.5 48.6 73.0

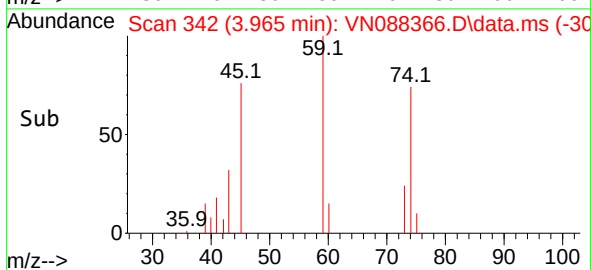
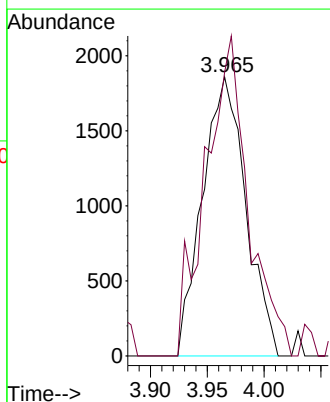
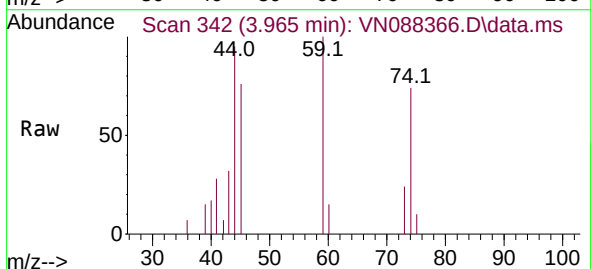
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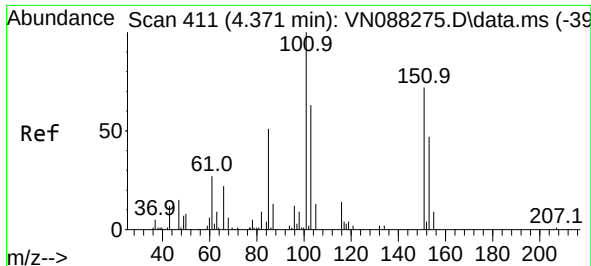
Reviewed By :John Carlone 12/01/2025
 Supervised By :Semsettin Yesilyurt 12/01/2025



#8
 Diethyl Ether
 Concen: 2.478 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: VN088366.D
 Acq: 26 Nov 2025 11:09

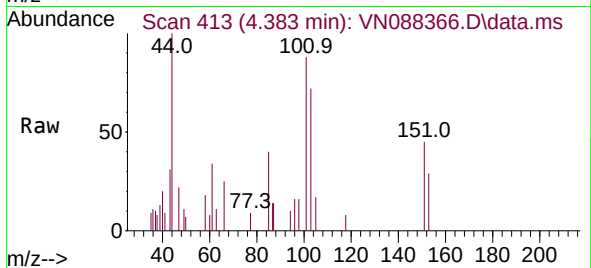
Tgt Ion: 74 Resp: 4941
 Ion Ratio Lower Upper
 74 100
 45 68.8 20.9 187.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.265 ug/l m
RT: 4.383 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

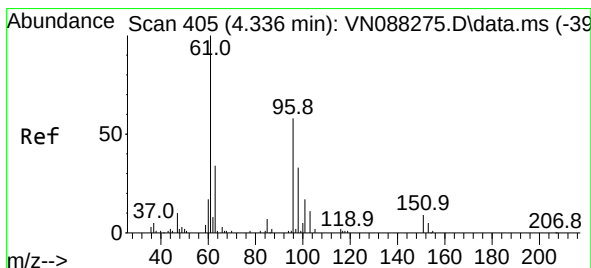
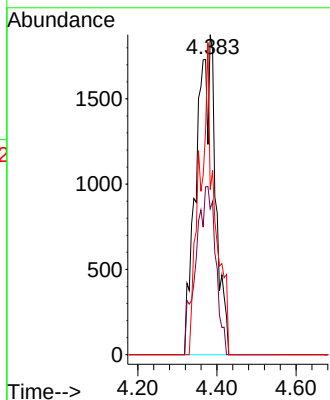
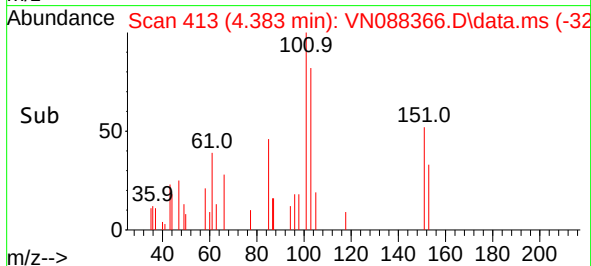
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Tgt Ion:101 Resp: 6339
Ion Ratio Lower Upper
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85 20.5 0.0 100.8
151 21.3 0.0 138.4

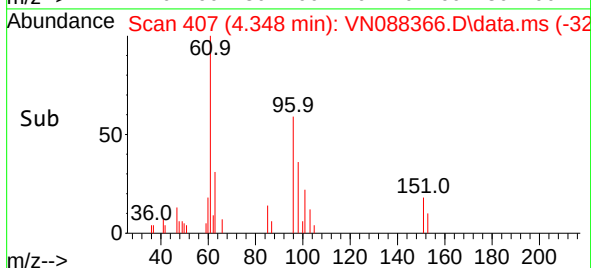
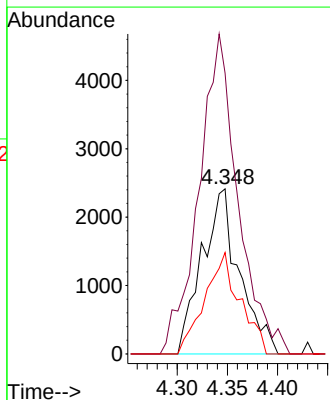
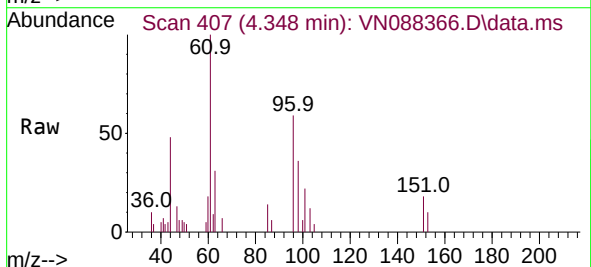
Manual Integrations
APPROVED

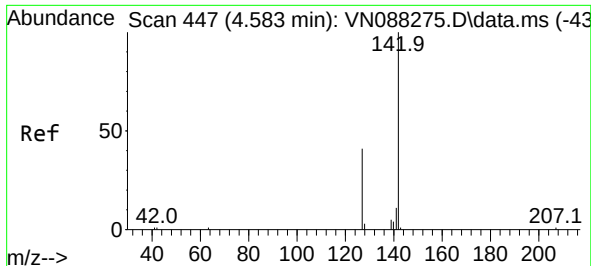
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#10
1,1-Dichloroethene
Concen: 2.293 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.012 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

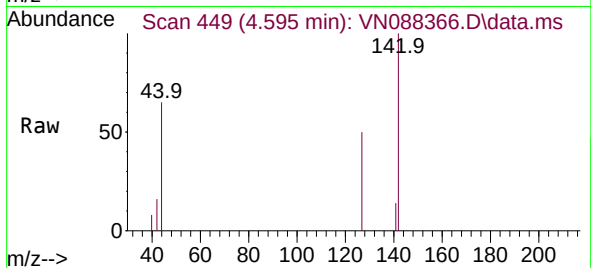
Tgt Ion: 96 Resp: 6262
Ion Ratio Lower Upper
96 100
61 154.7 137.8 206.8
98 61.4 45.6 68.4





#11
Methyl Iodide
Concen: 2.146 ug/l m
RT: 4.595 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

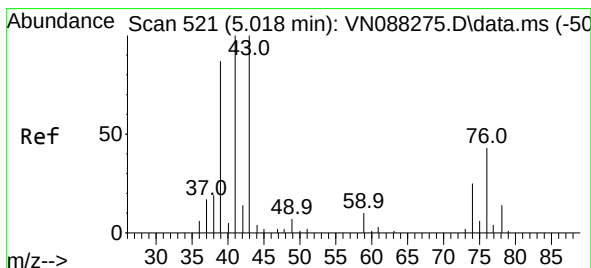
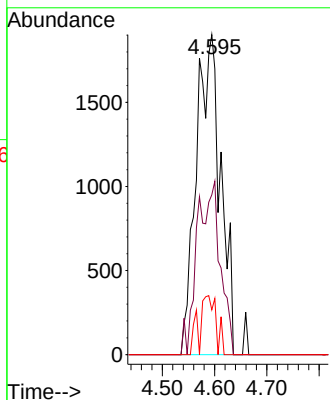
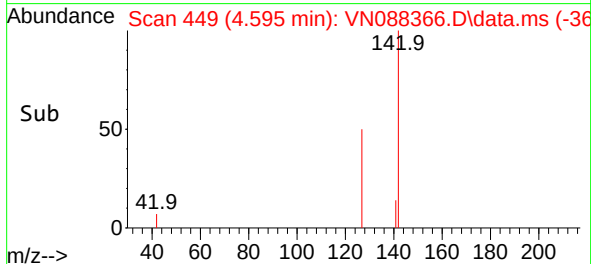
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:142 Resp: 6236
Ion Ratio Lower Upper
142 100
127 49.9 20.4 61.2
141 14.0 5.6 16.8

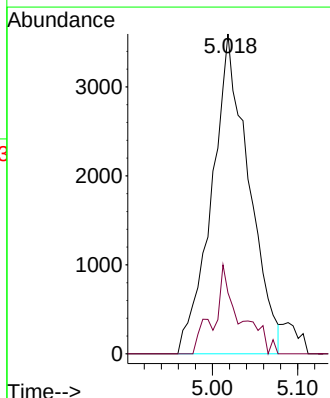
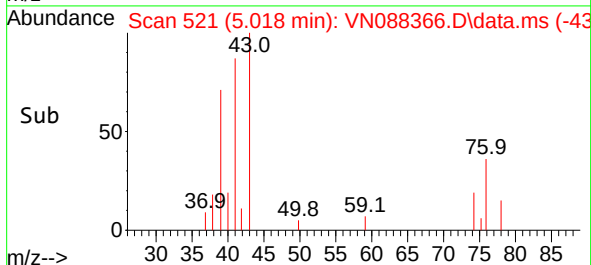
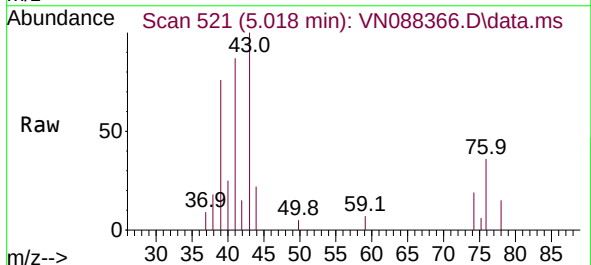
Manual Integrations
APPROVED

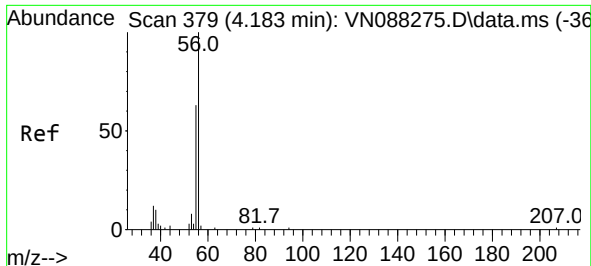
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#12
Methyl Acetate
Concen: 2.471 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

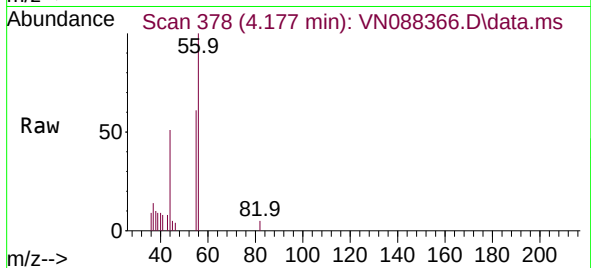
Tgt Ion: 43 Resp: 10884
Ion Ratio Lower Upper
43 100
74 20.0 19.8 29.8





#13
Acrolein
Concen: 15.009 ug/l m
RT: 4.177 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

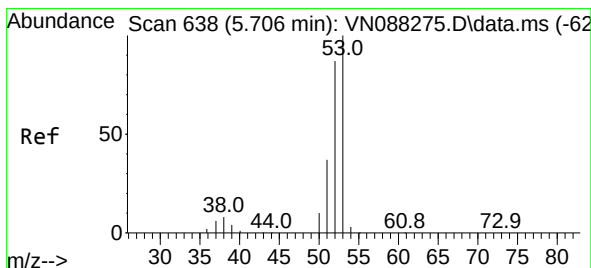
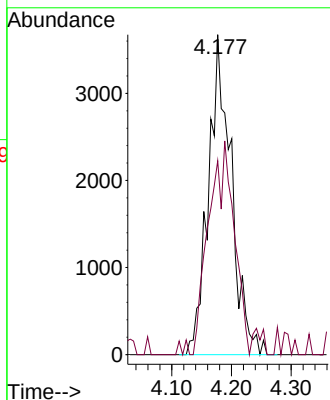
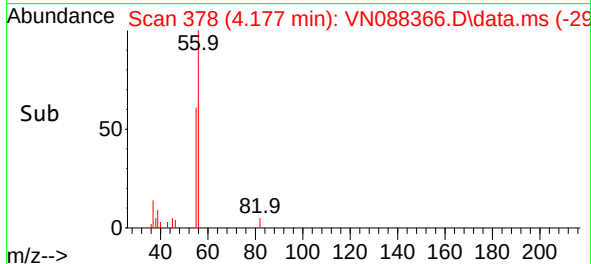
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 56 Resp: 972
Ion Ratio Lower Upper
56 100
55 40.7 57.9 86.9

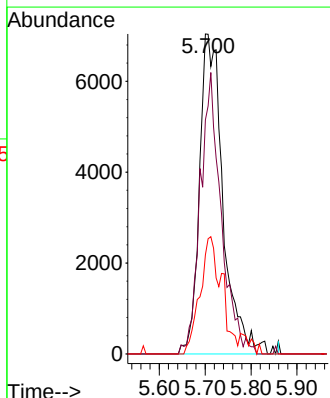
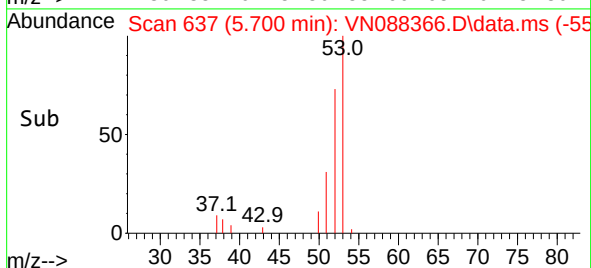
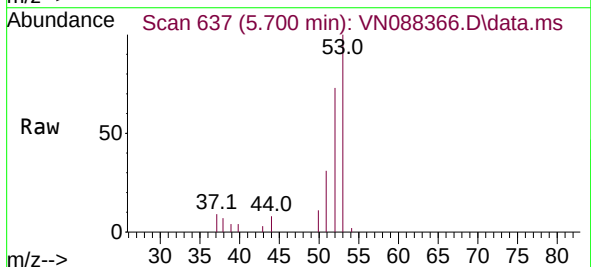
Manual Integrations
APPROVED

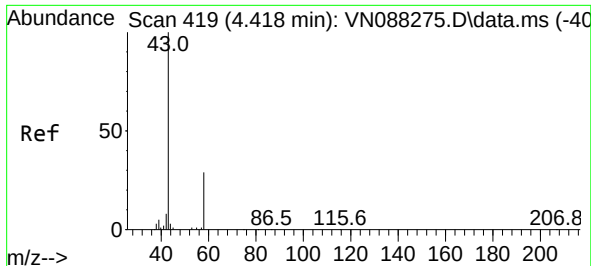
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#14
Acrylonitrile
Concen: 12.596 ug/l m
RT: 5.700 min Scan# 637
Delta R.T. -0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

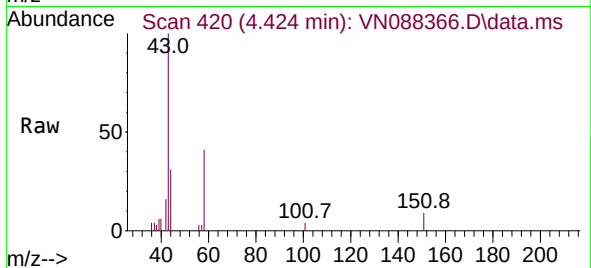
Tgt Ion: 53 Resp: 25211
Ion Ratio Lower Upper
53 100
52 73.7 42.3 126.9
51 25.9 18.4 55.2





#15
Acetone
Concen: 8.954 ug/l m
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

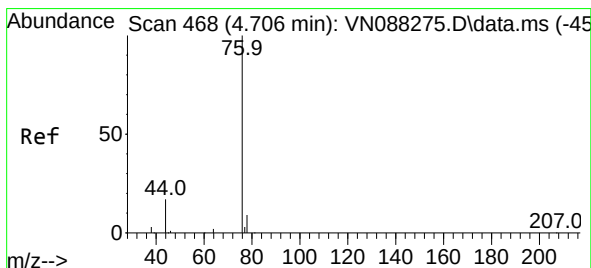
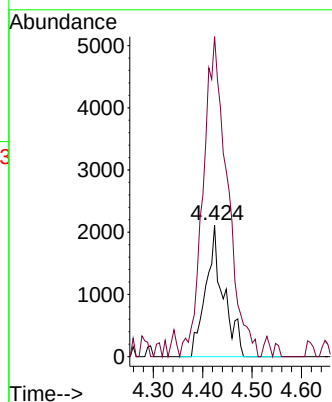
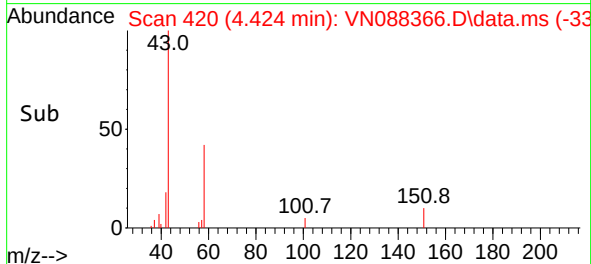
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 58 Resp: 524
Ion Ratio Lower Upper
58 100
43 243.5 273.9 410.9

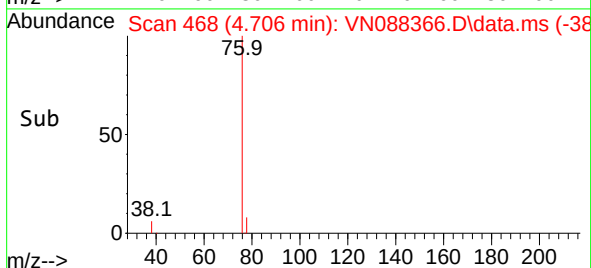
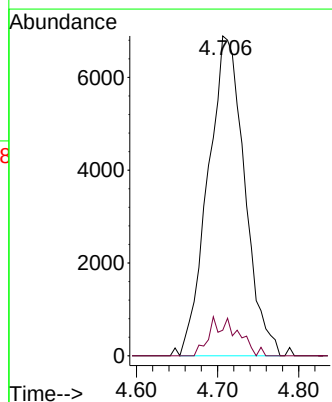
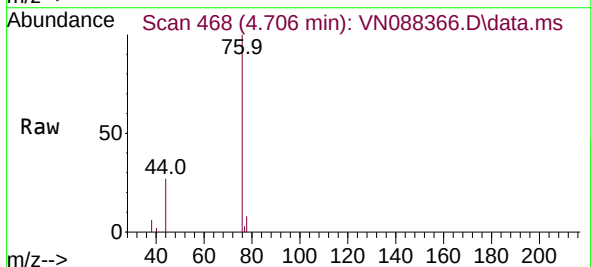
Manual Integrations
APPROVED

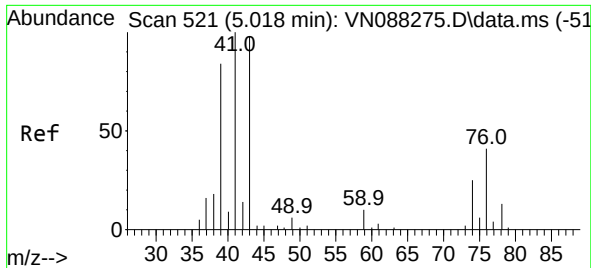
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#16
Carbon Disulfide
Concen: 2.337 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 76 Resp: 21518
Ion Ratio Lower Upper
76 100
78 8.0 7.5 11.3





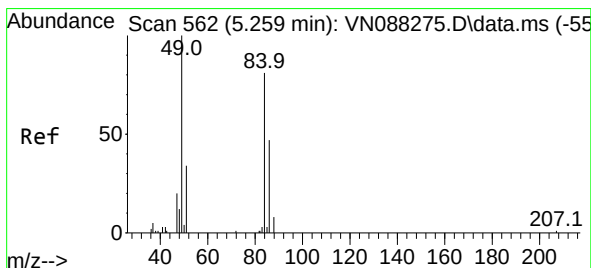
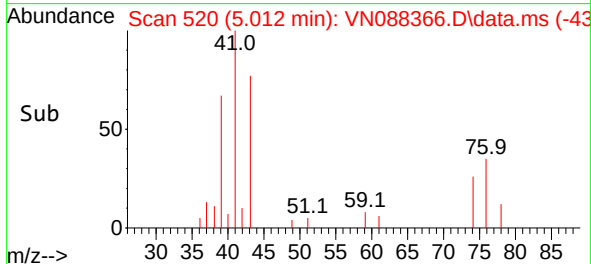
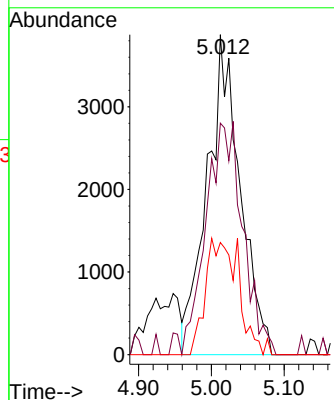
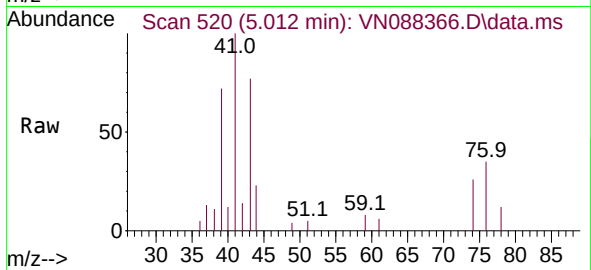
#17
 Allyl chloride
 Concen: 2.295 ug/l m
 RT: 5.012 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN088366.D
 Acq: 26 Nov 2025 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2025

Tgt Ion:	41	Resp:	12178
Ion	Ratio	Lower	Upper
41	100		
39	72.3	38.3	114.9
76	35.0	18.5	55.5

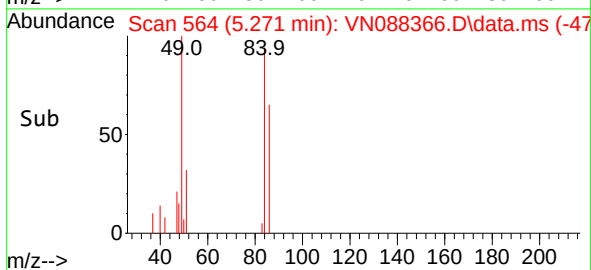
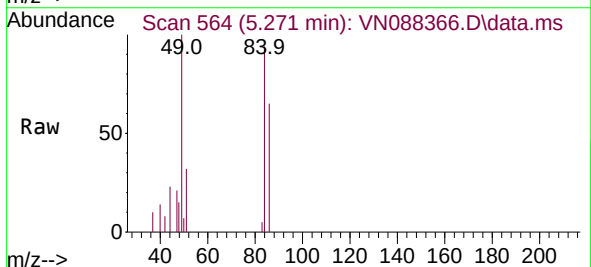
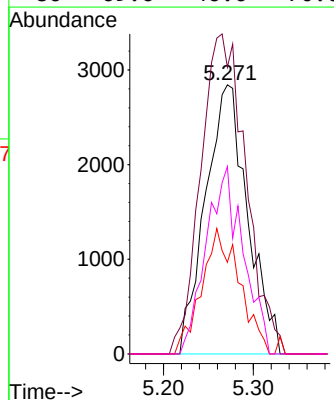
Manual Integrations
 APPROVED

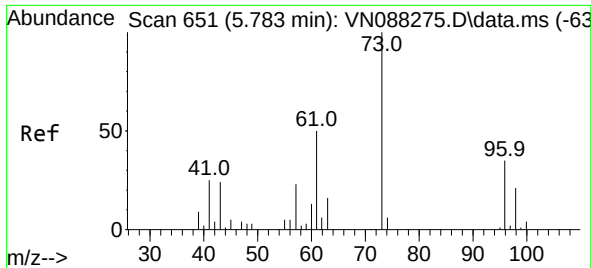
Reviewed By :John Carlone 12/01/2025
 Supervised By :Semsettin Yesilyurt 12/01/2025



#18
 Methylene Chloride
 Concen: 2.736 ug/l
 RT: 5.271 min Scan# 564
 Delta R.T. 0.012 min
 Lab File: VN088366.D
 Acq: 26 Nov 2025 11:09

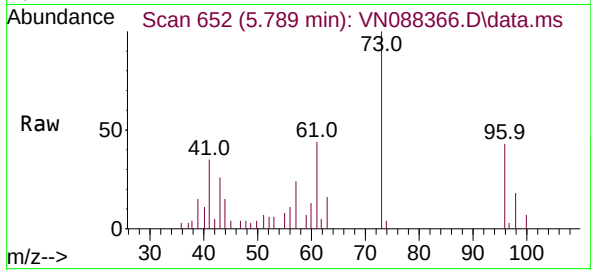
Tgt Ion:	84	Resp:	9285
Ion	Ratio	Lower	Upper
84	100		
49	99.7	98.7	148.1
51	28.6	33.7	50.5
86	69.6	46.6	70.0





#19
trans-1,2-Dichloroethene
Concen: 2.570 ug/l m
RT: 5.789 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

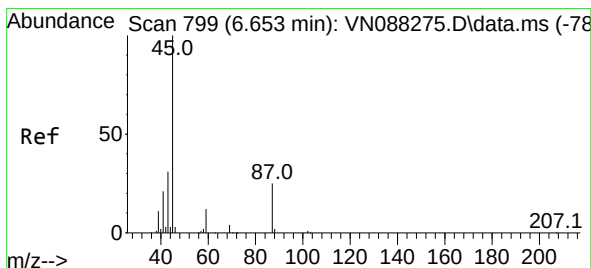
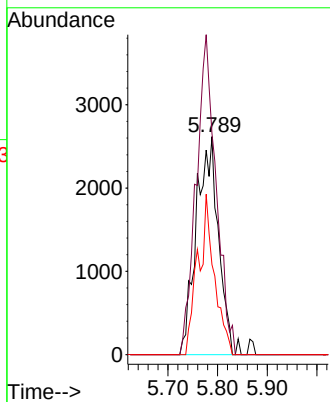
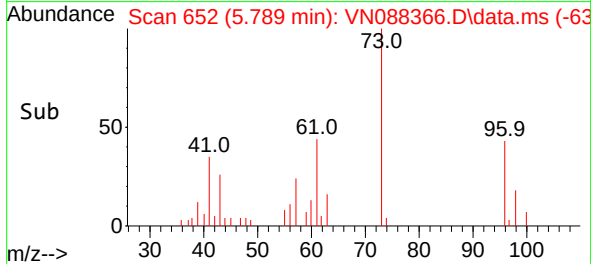
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 96 Resp: 817
Ion Ratio Lower Upper
96 100
61 101.5 117.0 175.4
98 41.3 48.6 72.8

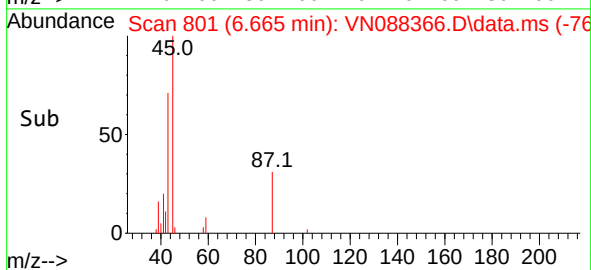
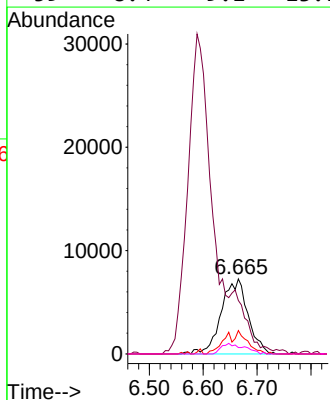
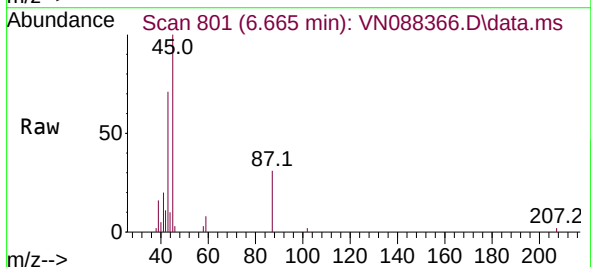
Manual Integrations
APPROVED

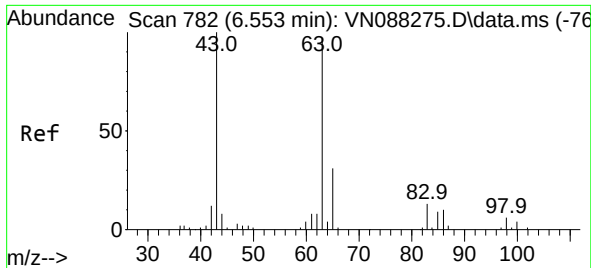
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#20
Diisopropyl ether
Concen: 2.196 ug/l m
RT: 6.665 min Scan# 801
Delta R.T. 0.012 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 45 Resp: 24903
Ion Ratio Lower Upper
45 100
43 71.2 51.9 77.9
87 31.1 21.1 31.7
59 8.4 9.1 13.7





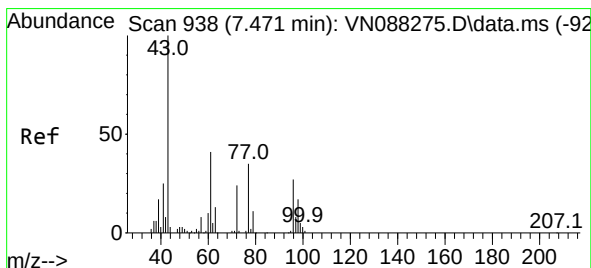
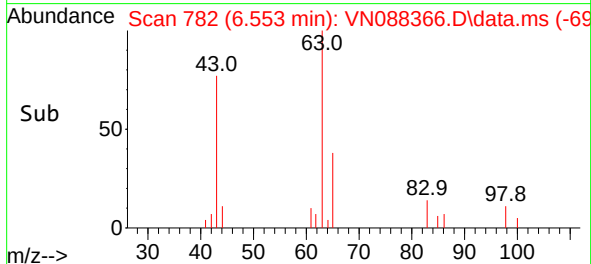
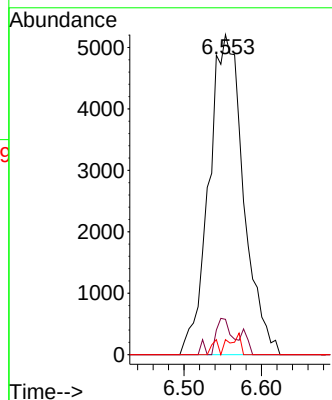
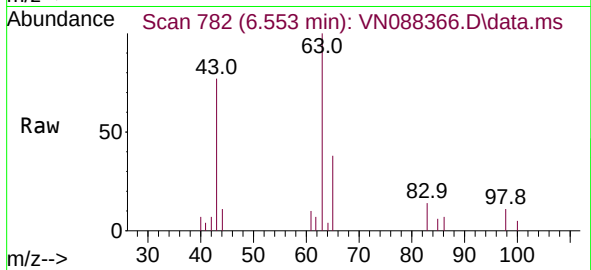
#21
1,1-Dichloroethane
Concen: 2.524 ug/l
RT: 6.553 min Scan# 782
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion: 63 Resp: 1612
Ion Ratio Lower Upper
63 100
98 11.0 3.0 9.0
100 4.7 2.1 6.3

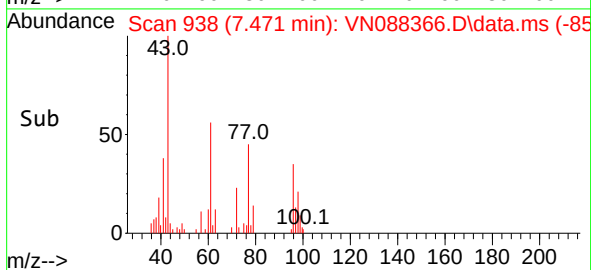
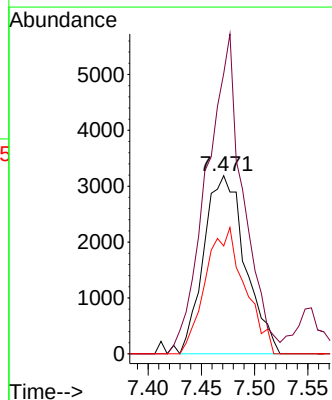
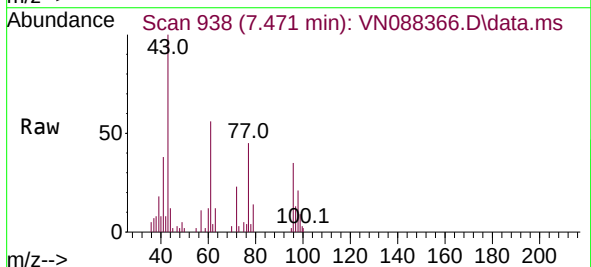
Manual Integrations
APPROVED

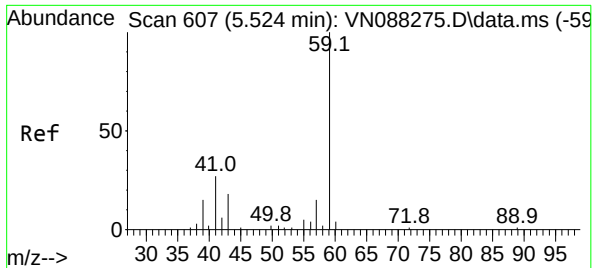
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#22
cis-1,2-Dichloroethene
Concen: 2.335 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

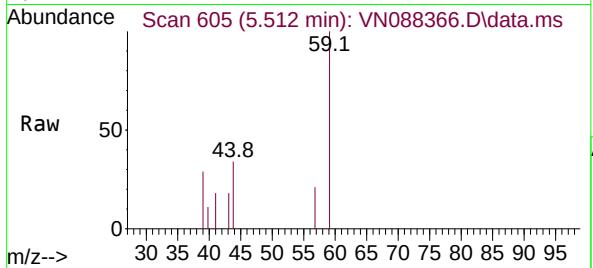
Tgt Ion: 96 Resp: 8628
Ion Ratio Lower Upper
96 100
61 159.2 131.2 196.8
98 35.0 51.0 76.4





#23
tert-Butyl Alcohol
Concen: 11.146 ug/l m
RT: 5.512 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

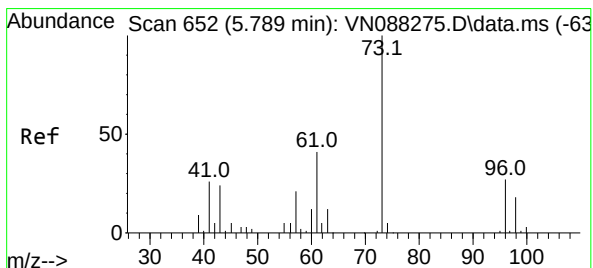
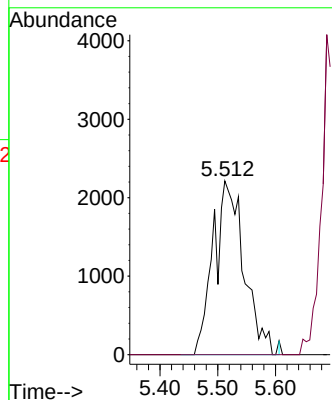
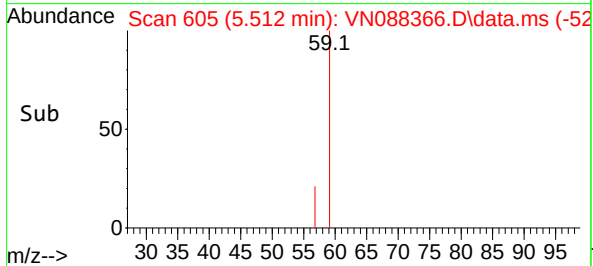
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 59 Resp: 8203
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

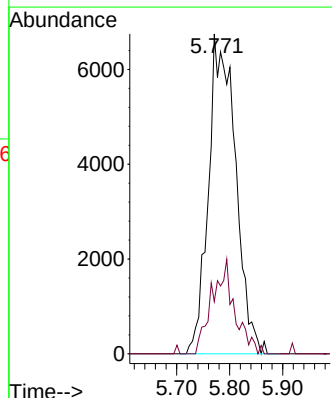
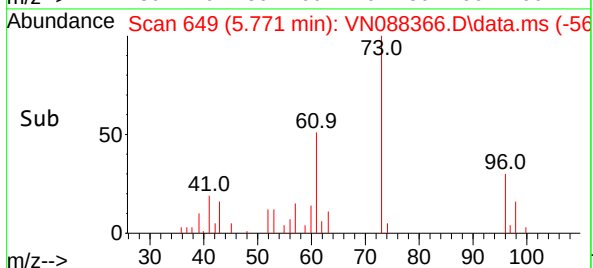
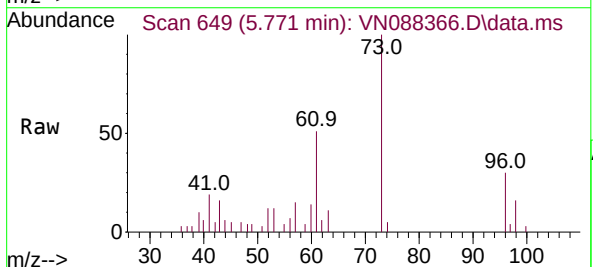
Manual Integrations
APPROVED

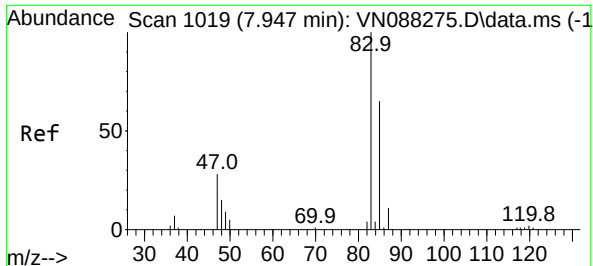
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#24
Methyl tert-Butyl Ether
Concen: 2.166 ug/l m
RT: 5.771 min Scan# 649
Delta R.T. -0.018 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 73 Resp: 23848
Ion Ratio Lower Upper
73 100
43 3.0 18.5 27.7#





#25

Chloroform

Concen: 2.592 ug/l m

RT: 7.941 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2025

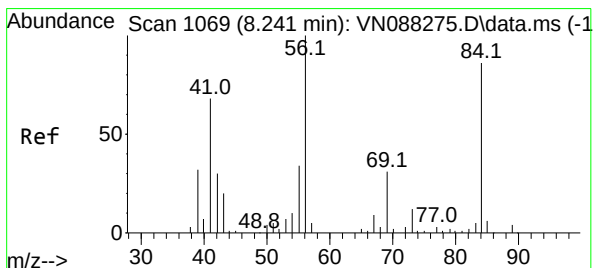
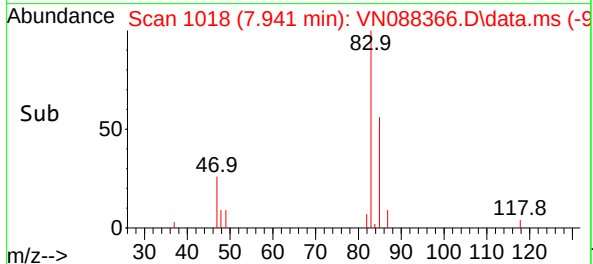
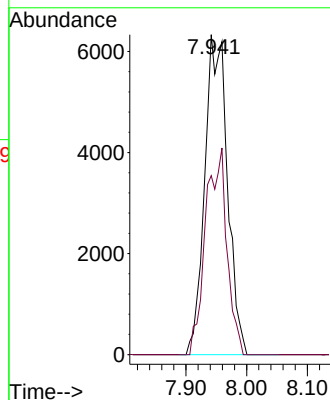
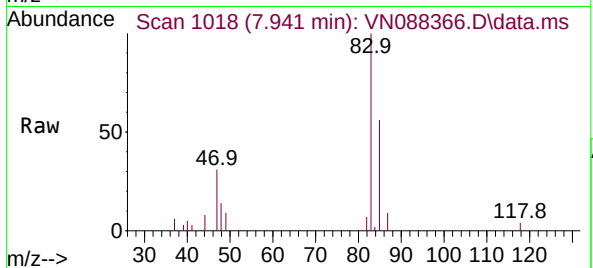
Tgt Ion: 83 Resp: 16406
 Ion Ratio Lower Upper
 83 100
 85 55.9 52.2 78.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#26

Cyclohexane

Concen: 1.938 ug/l

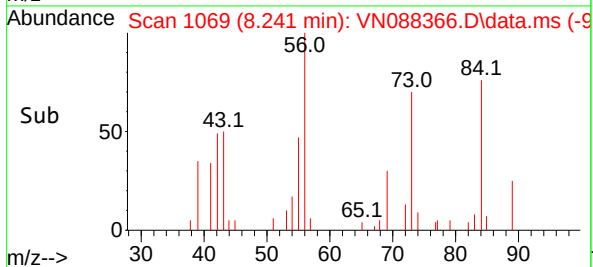
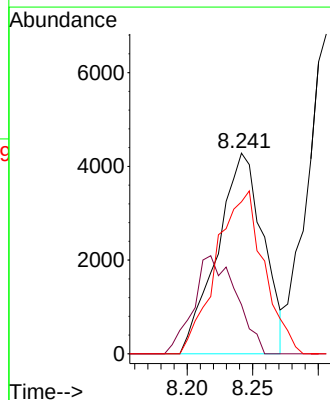
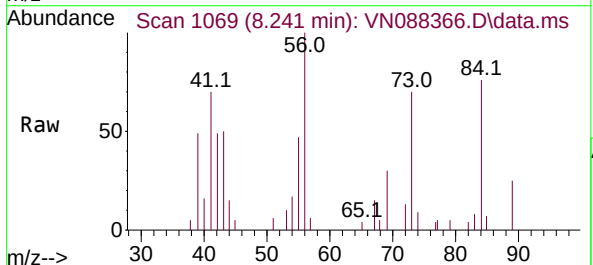
RT: 8.241 min Scan# 1069

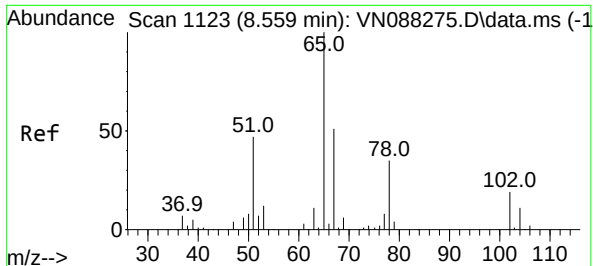
Delta R.T. 0.000 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Tgt Ion: 56 Resp: 10454
 Ion Ratio Lower Upper
 56 100
 89 45.3 7.3 10.9#
 84 84.0 67.8 101.8





#27

1,2-Dichloroethane-d4

Concen: 29.570 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 65 Resp: 134113

Ion Ratio Lower Upper

65 100

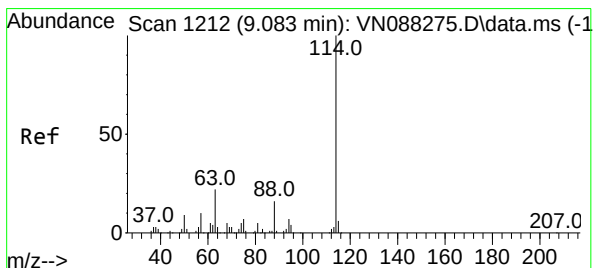
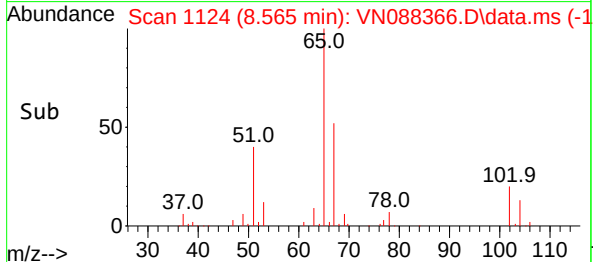
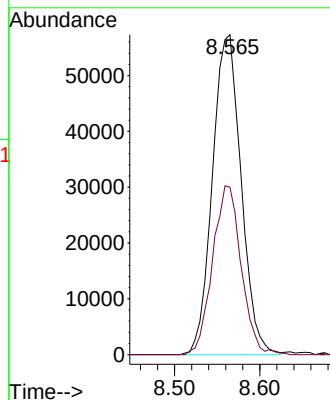
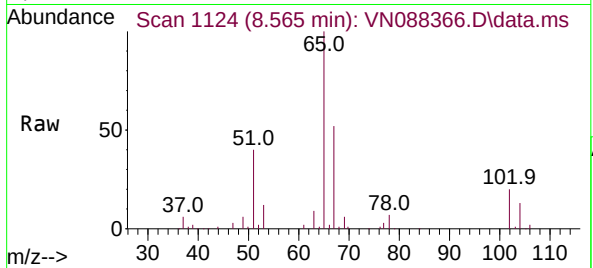
67 52.0 40.2 60.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

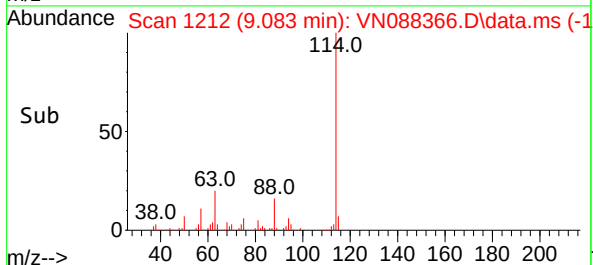
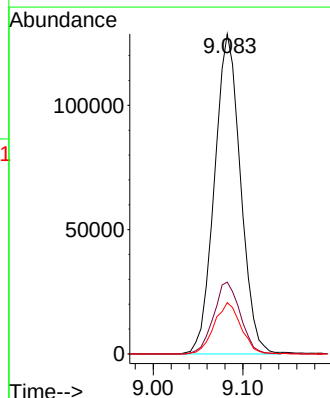
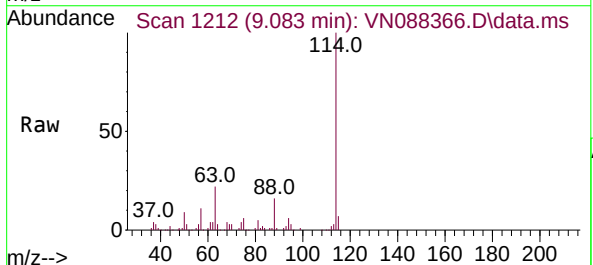
Tgt Ion:114 Resp: 260835

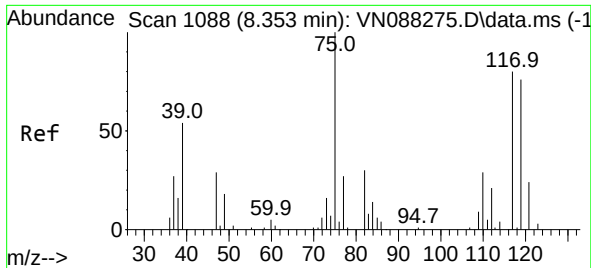
Ion Ratio Lower Upper

114 100

63 22.9 18.9 28.3

88 16.4 12.8 19.2





#29

1,1-Dichloropropene

Concen: 2.142 ug/l

RT: 8.353 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2025

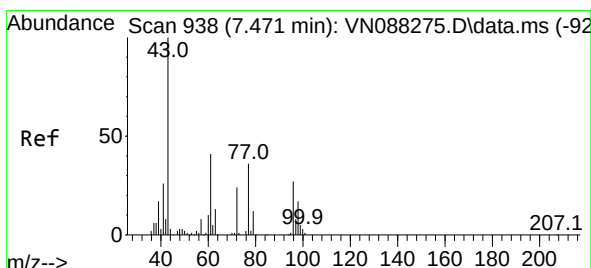
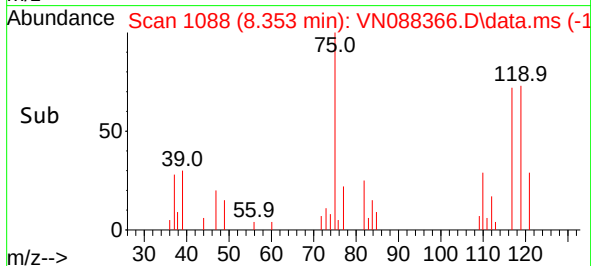
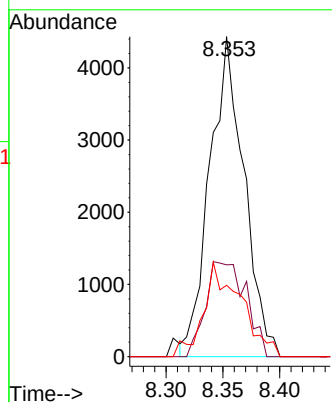
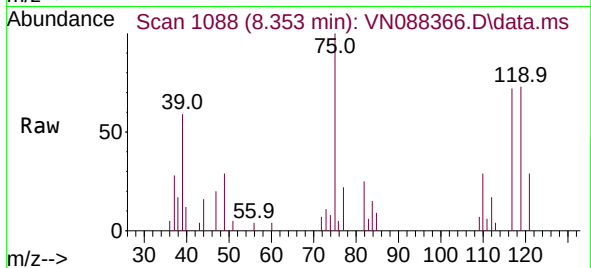
Tgt Ion: 75	Resp: 932
Ion Ratio	Lower Upper
75 100	
110 19.9	0.0 65.6
77 10.4	0.0 60.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#30

2-Butanone

Concen: 9.002 ug/l

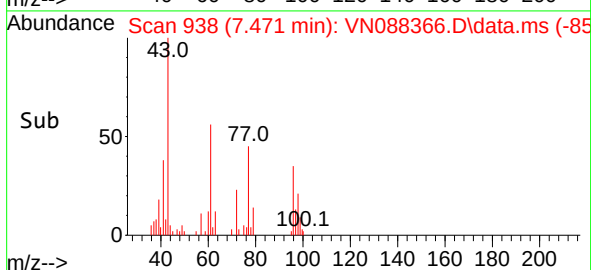
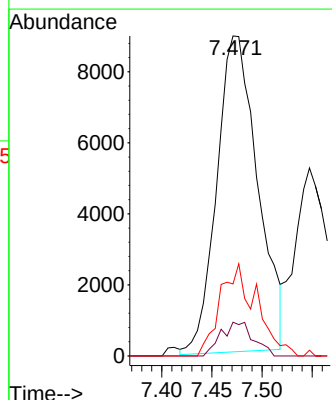
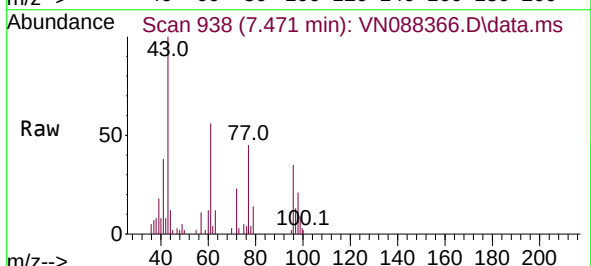
RT: 7.471 min Scan# 938

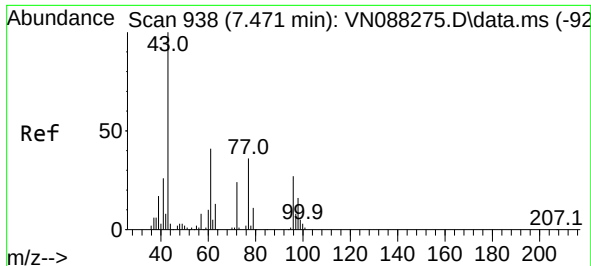
Delta R.T. 0.000 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

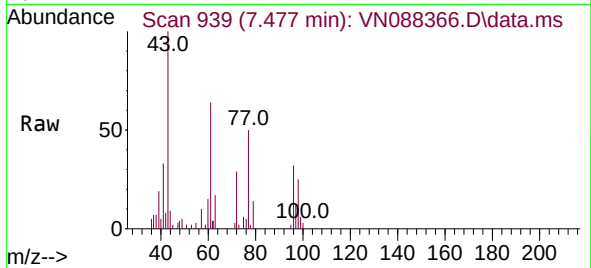
Tgt Ion: 43	Resp: 25344
Ion Ratio	Lower Upper
43 100	
57 8.4	6.2 9.4
72 7.7	19.4 29.2





#31
2,2-Dichloropropane
Concen: 2.390 ug/l
RT: 7.477 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

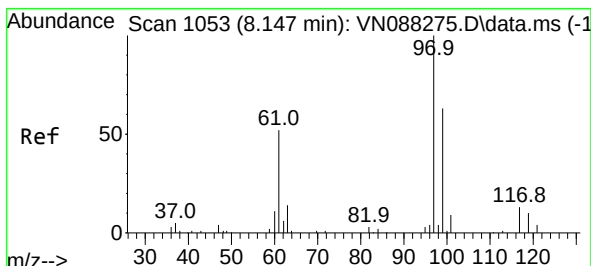
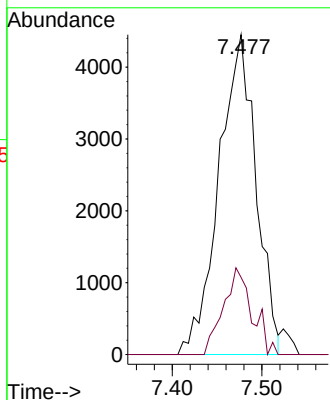
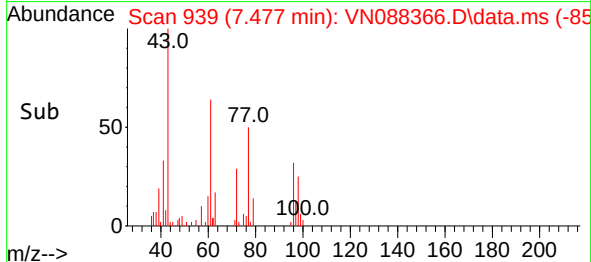
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025



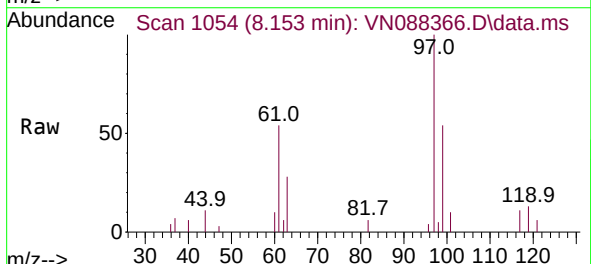
Tgt Ion: 77 Resp: 12836
Ion Ratio Lower Upper
77 100
97 18.7 16.8 25.2

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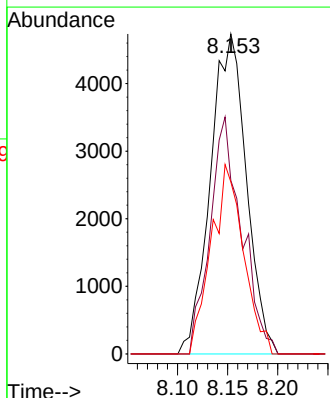
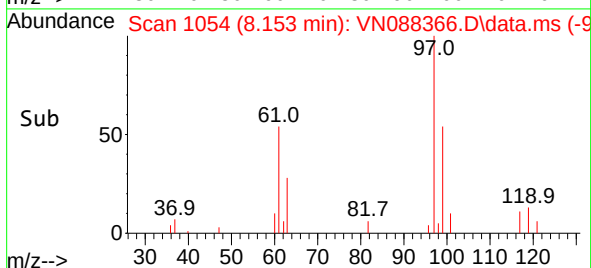
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025

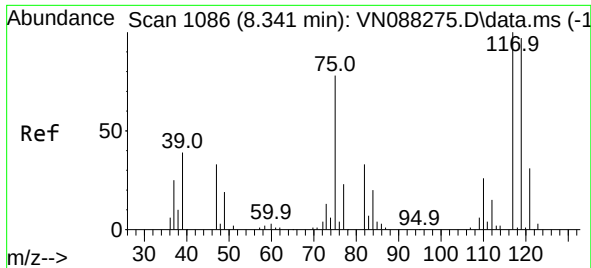


#32
1,1,1-Trichloroethane
Concen: 2.203 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09



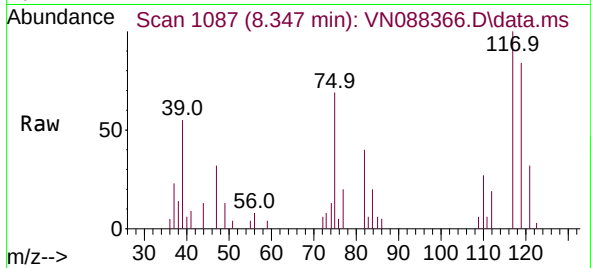
Tgt Ion: 97 Resp: 11818
Ion Ratio Lower Upper
97 100
99 65.1 50.2 75.4
61 53.1 39.8 59.8





#33
Carbon Tetrachloride
Concen: 2.240 ug/l
RT: 8.347 min Scan# 1086
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

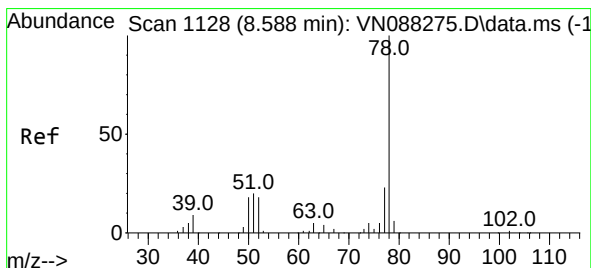
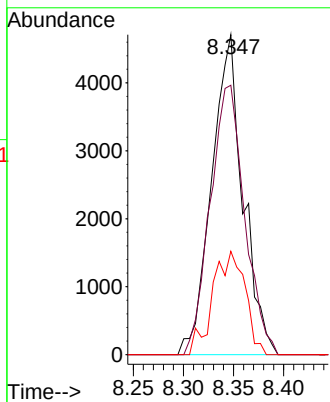
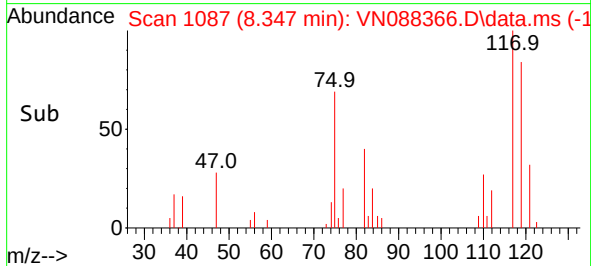
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2025



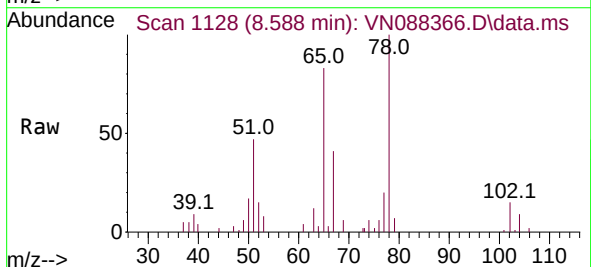
Tgt Ion: 117 Resp: 1026
Ion Ratio Lower Upper
117 100
119 84.2 77.8 116.8
121 32.3 24.5 36.7

Manual Integrations
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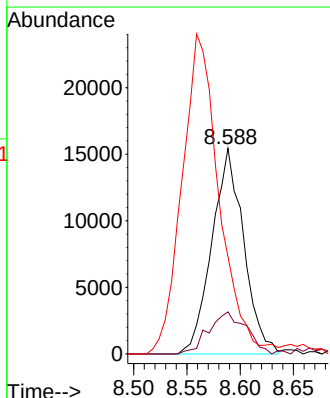
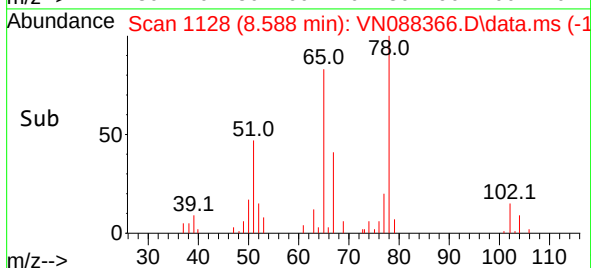
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025

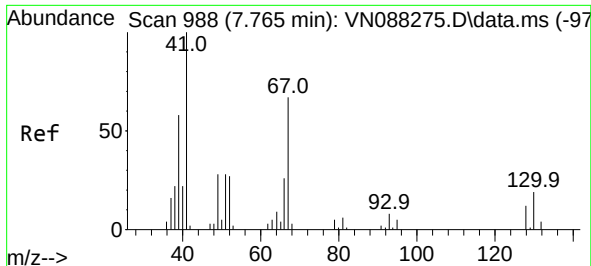


#34
Benzene
Concen: 2.460 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09



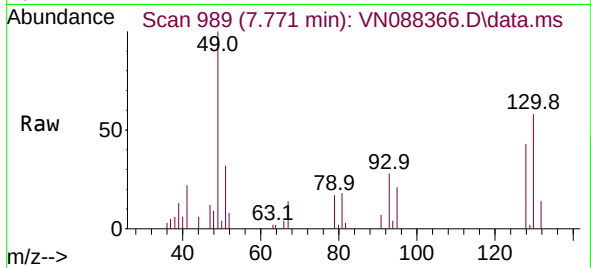
Tgt Ion: 78 Resp: 32004
Ion Ratio Lower Upper
78 100
77 20.4 18.6 27.8
51 44.4 15.8 23.8





#35
Methacrylonitrile
Concen: 2.363 ug/l m
RT: 7.771 min Scan# 988
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

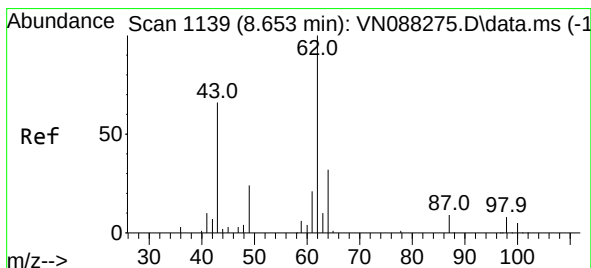
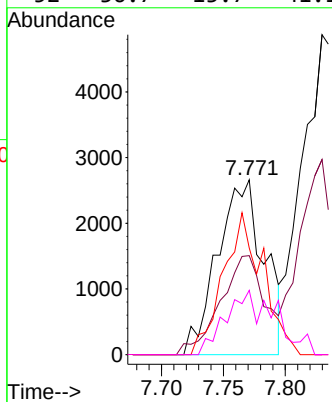
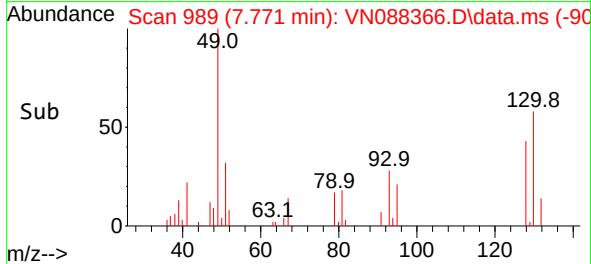
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 41 Resp: 6940
Ion Ratio Lower Upper
41 100
39 56.6 29.0 87.0
67 61.0 33.3 99.9
52 36.7 13.7 41.1

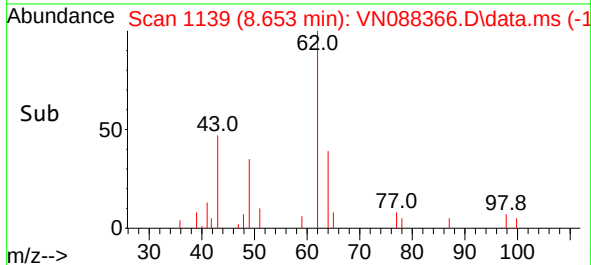
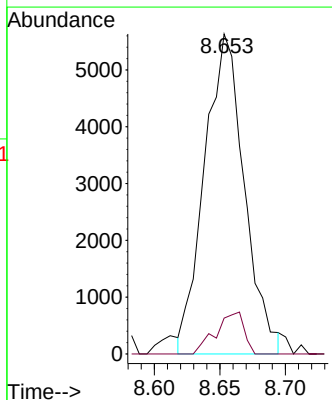
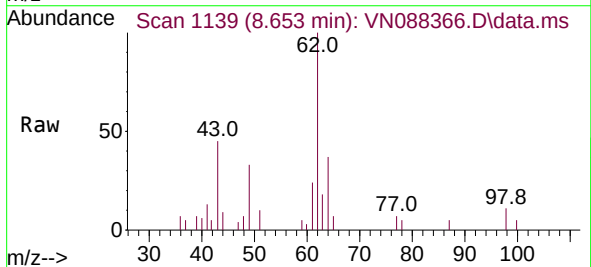
Manual Integrations
APPROVED

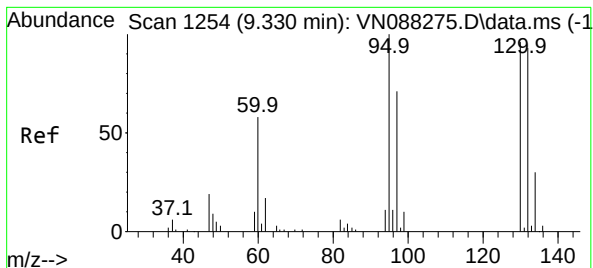
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#36
1,2-Dichloroethane
Concen: 2.350 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 62 Resp: 11898
Ion Ratio Lower Upper
62 100
98 9.2 6.8 10.2





#37

Trichloroethene

Concen: 2.625 ug/l

RT: 9.336 min Scan# 1254

Delta R.T. 0.006 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion:130 Resp: 7738

Ion Ratio Lower Upper

130 100

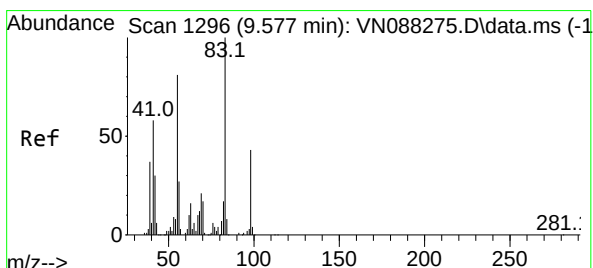
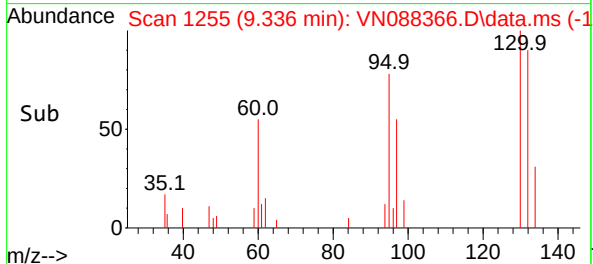
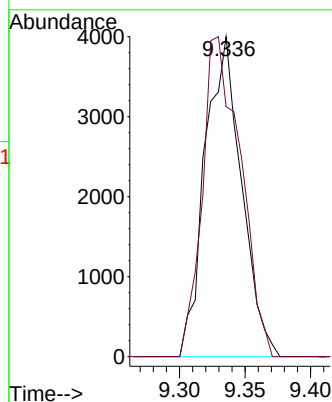
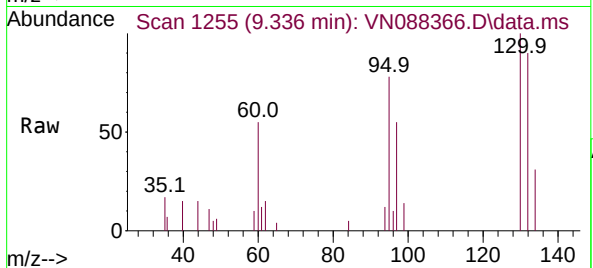
95 78.1 83.7 125.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#38

Methylcyclohexane

Concen: 1.956 ug/l

RT: 9.583 min Scan# 1297

Delta R.T. 0.006 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

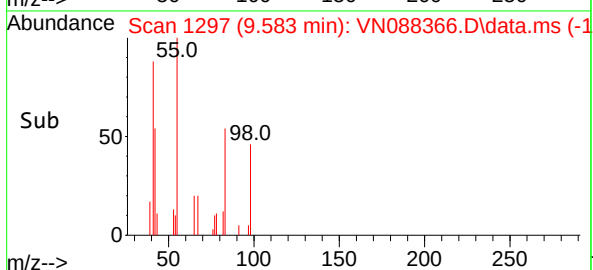
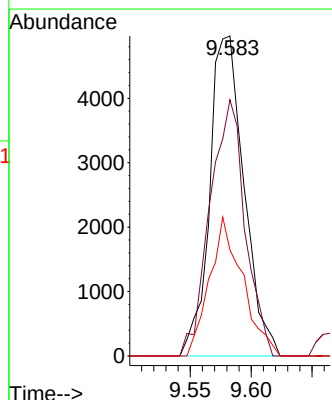
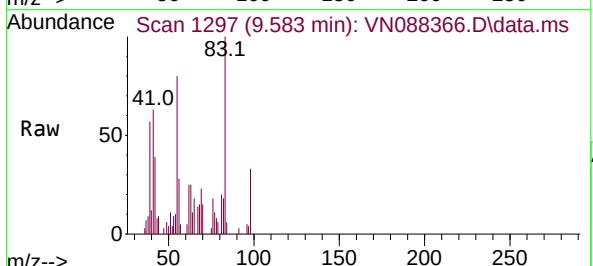
Tgt Ion: 83 Resp: 9758

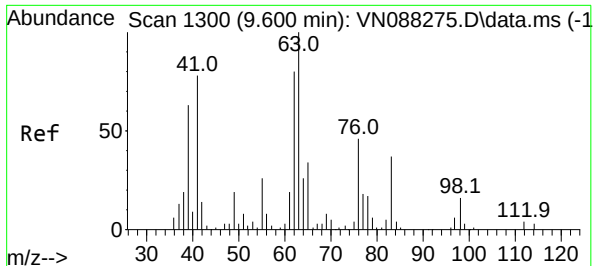
Ion Ratio Lower Upper

83 100

55 81.7 40.8 122.5

98 41.7 23.4 70.3





#39

1,2-Dichloropropane

Concen: 2.283 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 63 Resp: 7662

Ion Ratio Lower Upper

63 100

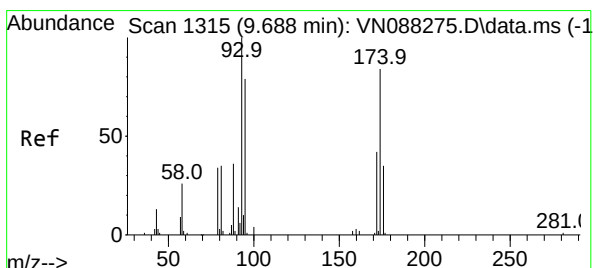
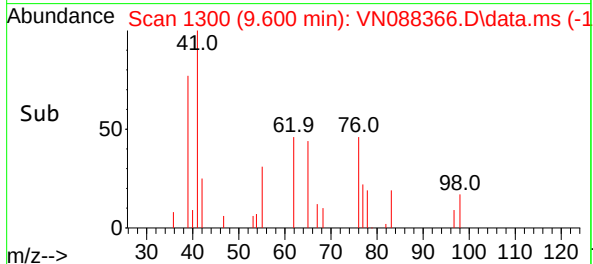
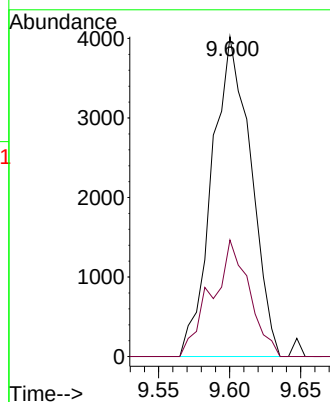
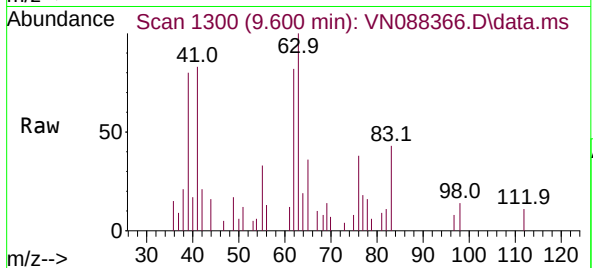
65 36.4 27.8 41.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#40

Dibromomethane

Concen: 2.721 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

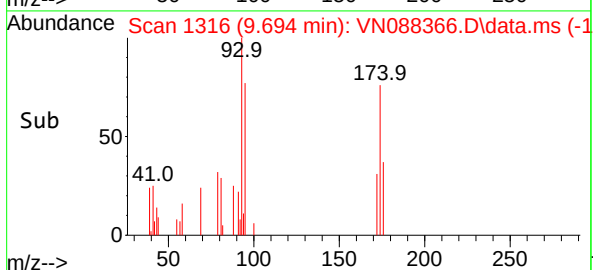
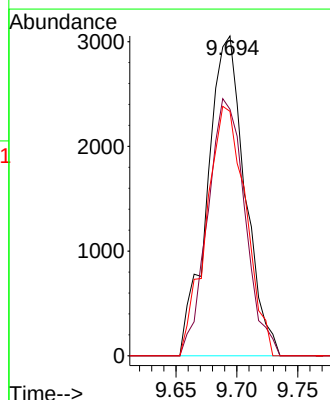
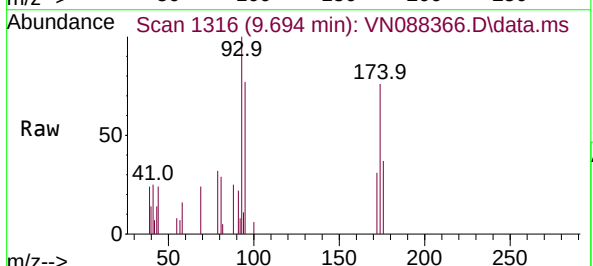
Tgt Ion: 93 Resp: 6561

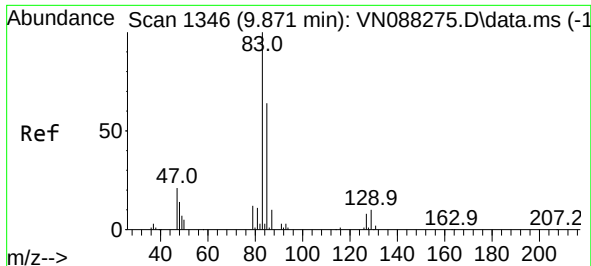
Ion Ratio Lower Upper

93 100

95 79.8 0.0 161.6

174 81.7 0.0 158.2





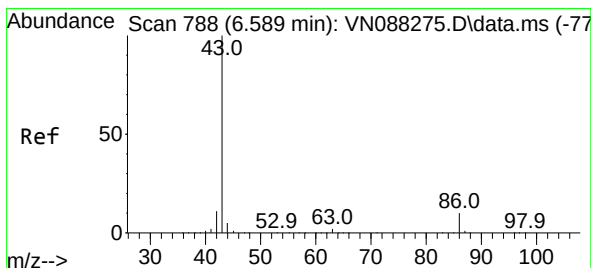
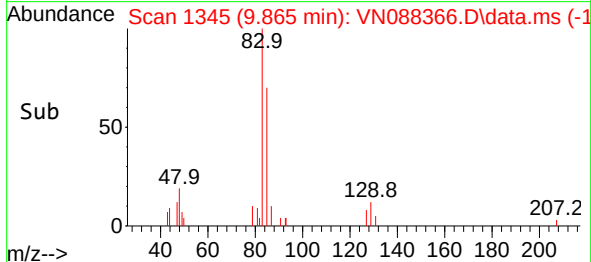
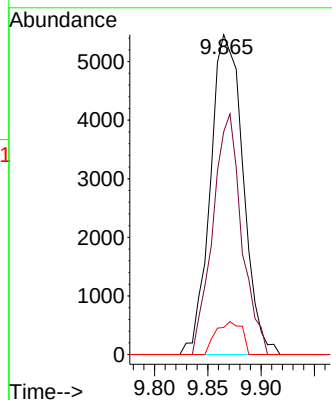
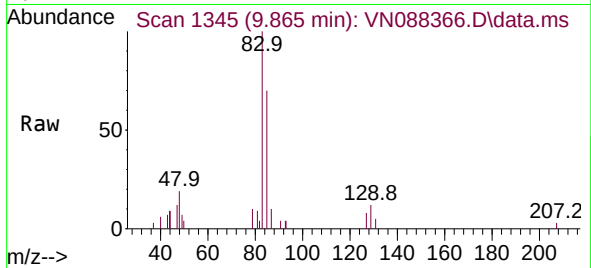
#41
Bromodichloromethane
Concen: 2.409 ug/l
RT: 9.865 min Scan# 1346
Delta R.T. -0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2025

Tgt Ion: 83 Resp: 11692
Ion Ratio Lower Upper
83 100
85 69.6 51.4 77.2
127 8.5 6.4 9.6

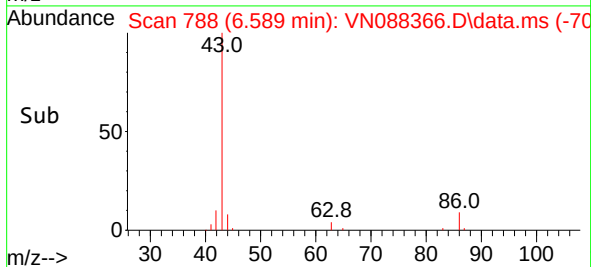
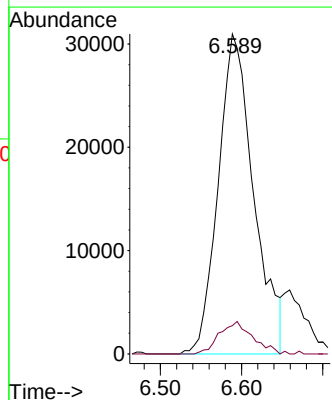
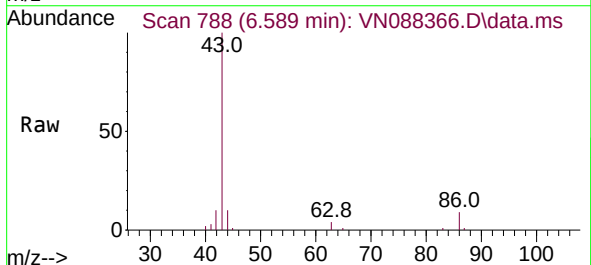
Manual Integrations
APPROVED

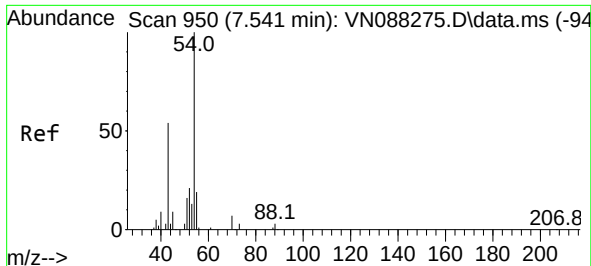
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#42
Vinyl Acetate
Concen: 10.010 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

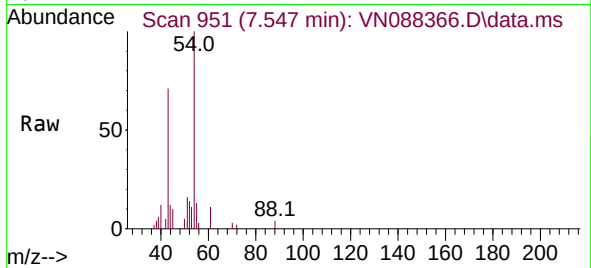
Tgt Ion: 43 Resp: 94054
Ion Ratio Lower Upper
43 100
86 9.4 7.4 11.2





#43
Ethyl Acetate
Concen: 2.553 ug/l m
RT: 7.547 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

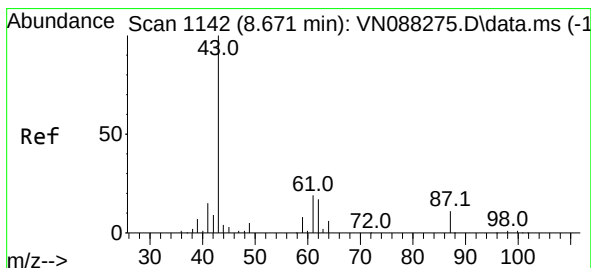
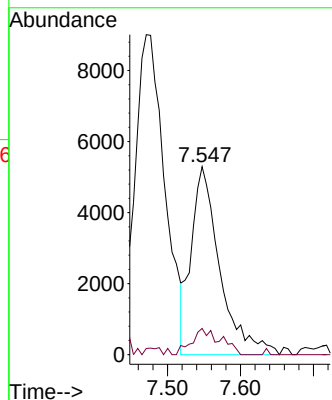
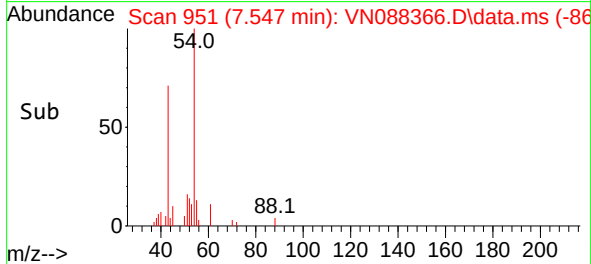
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 43 Resp: 14463
Ion Ratio Lower Upper
43 100
45 9.8 9.9 14.9

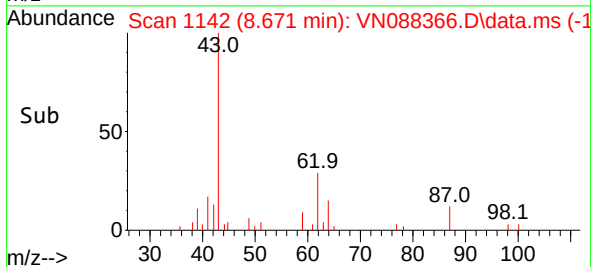
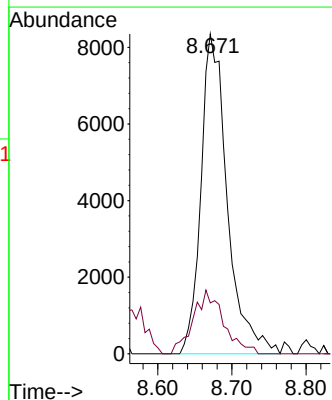
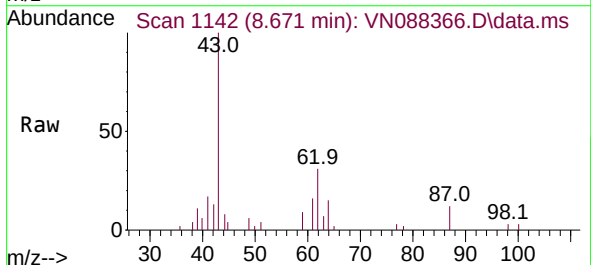
Manual Integrations
APPROVED

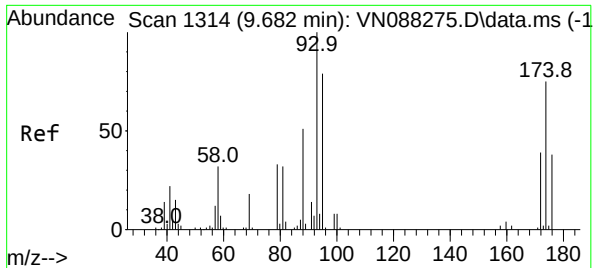
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#44
Isopropyl Acetate
Concen: 2.366 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

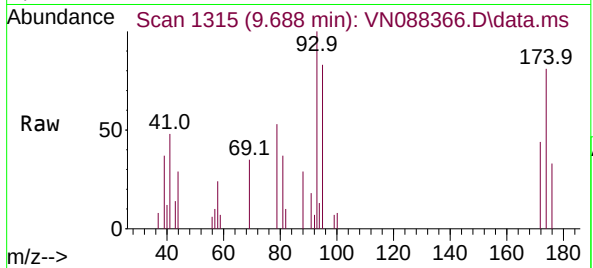
Tgt Ion: 43 Resp: 20651
Ion Ratio Lower Upper
43 100
61 13.5 19.0 28.6





#45
 1,4-Dioxane
 Concen: 45.427 ug/l m
 RT: 9.688 min Scan# 1314
 Delta R.T. 0.006 min
 Lab File: VN088366.D
 Acq: 26 Nov 2025 11:09

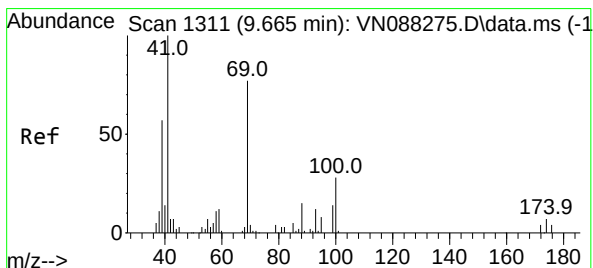
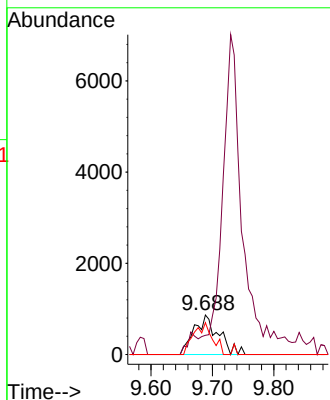
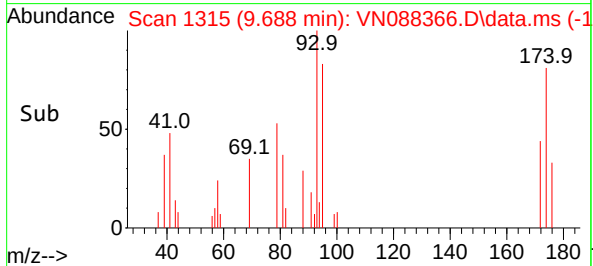
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2025



Tgt Ion: 88 Resp: 2388
 Ion Ratio Lower Upper
 88 100
 43 0.0 27.8 41.8
 58 25.3 59.5 89.3

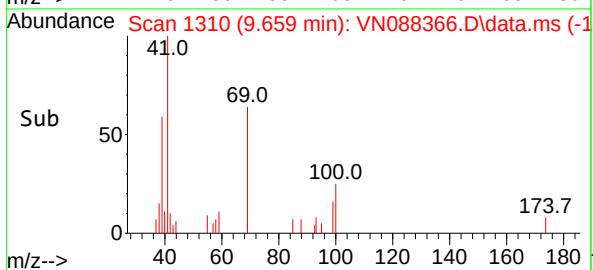
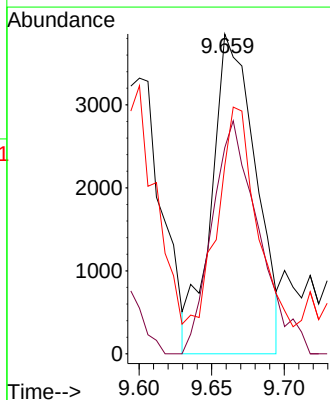
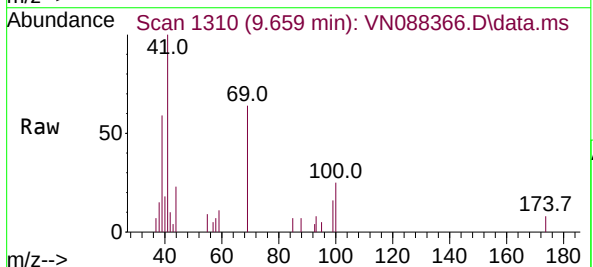
Manual Integrations
 APPROVED

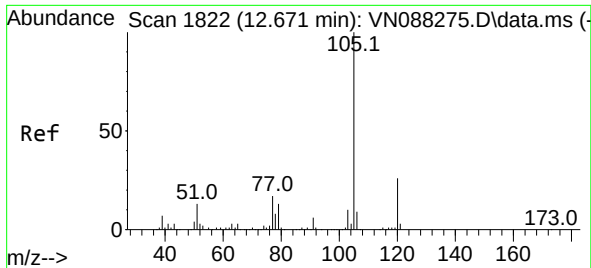
Reviewed By :John Carlone 12/01/2025
 Supervised By :Semsettin Yesilyurt 12/01/2025



#46
 Methyl methacrylate
 Concen: 1.991 ug/l m
 RT: 9.659 min Scan# 1310
 Delta R.T. -0.006 min
 Lab File: VN088366.D
 Acq: 26 Nov 2025 11:09

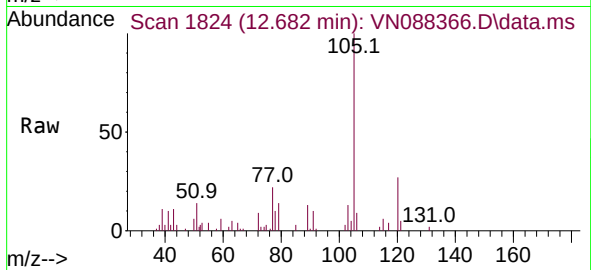
Tgt Ion: 41 Resp: 8133
 Ion Ratio Lower Upper
 41 100
 69 64.4 38.5 115.3
 39 58.8 29.0 87.1





#47
n-amy1 Acetate
Concen: 3.027 ug/l m
RT: 12.682 min Scan# 1822
Delta R.T. 0.012 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

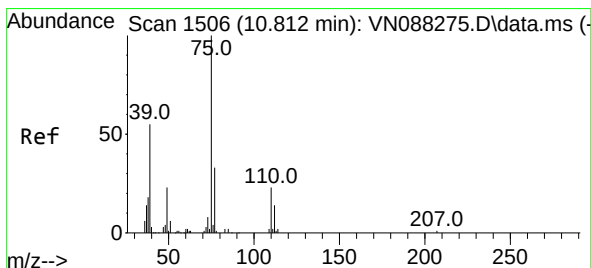
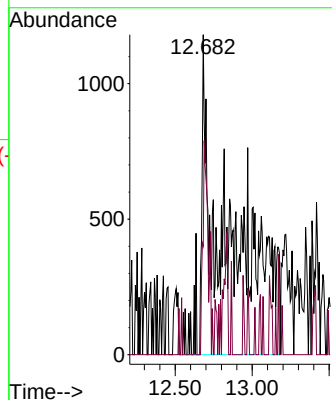
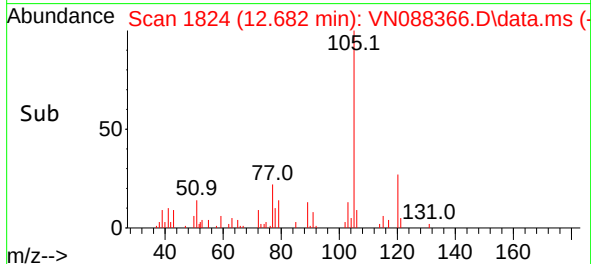
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 43 Resp: 13388
Ion Ratio Lower Upper
43 100
55 11.8 0.0 0.0

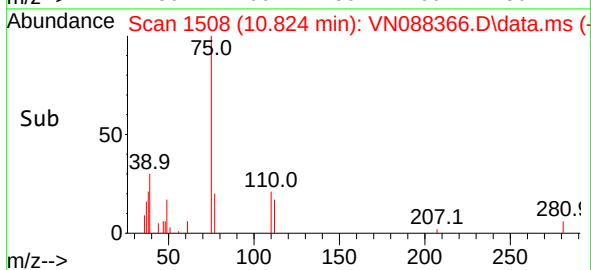
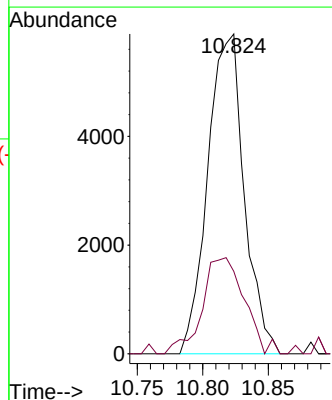
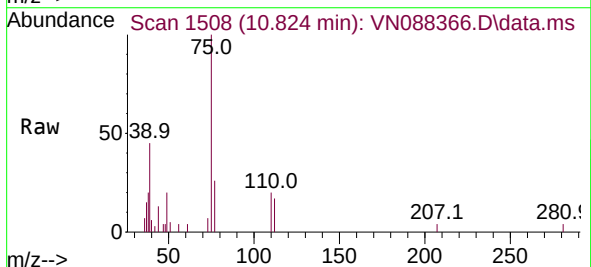
Manual Integrations
APPROVED

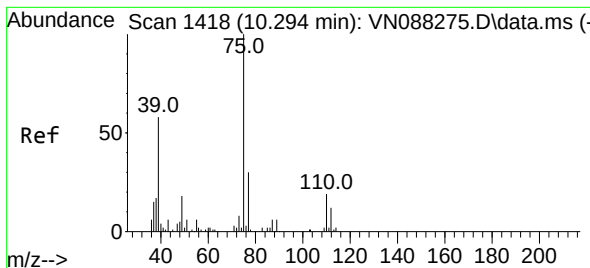
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#48
t-1,3-Dichloropropene
Concen: 2.195 ug/l
RT: 10.824 min Scan# 1508
Delta R.T. 0.012 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 75 Resp: 11395
Ion Ratio Lower Upper
75 100
77 25.8 26.1 39.1





#49

cis-1,3-Dichloropropene

Concen: 2.300 ug/l

RT: 10.294 min Scan# 1418

Delta R.T. 0.000 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2025

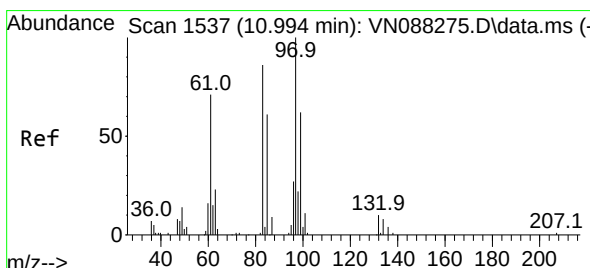
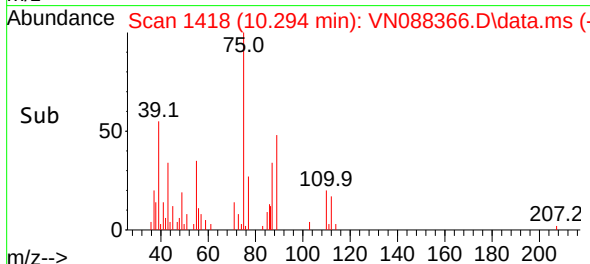
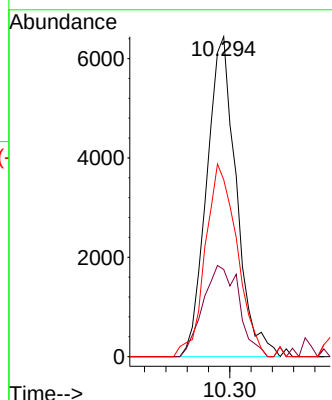
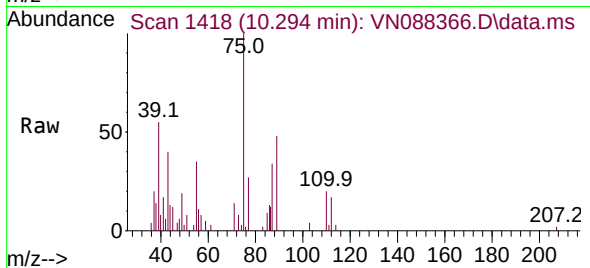
Tgt Ion: 75	Resp: 12425
Ion Ratio	Lower Upper
75 100	
77 27.2	24.4 36.6
39 52.2	46.1 69.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#50

1,1,2-Trichloroethane

Concen: 2.376 ug/l

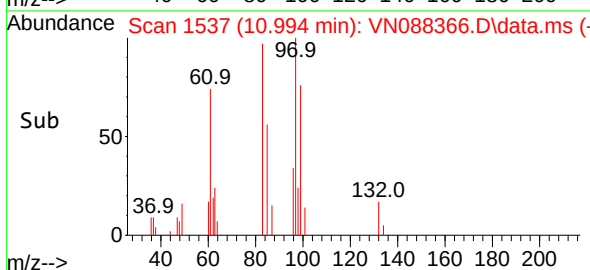
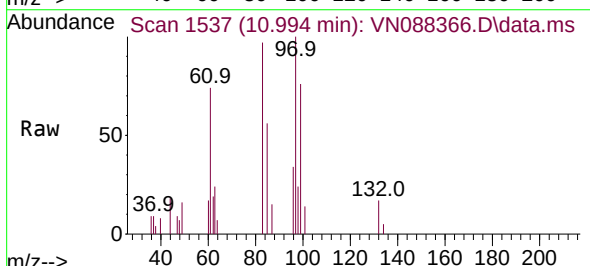
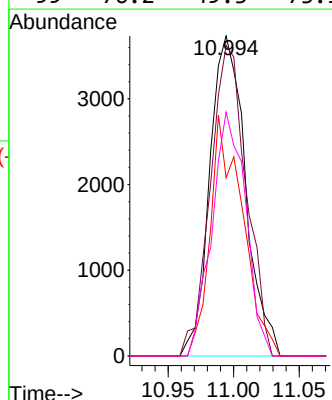
RT: 10.994 min Scan# 1537

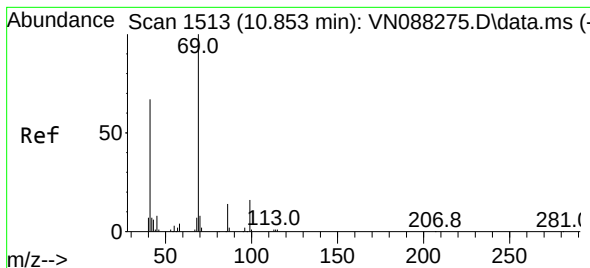
Delta R.T. 0.000 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Tgt Ion: 97	Resp: 7085
Ion Ratio	Lower Upper
97 100	
83 97.0	68.6 102.8
85 55.7	49.0 73.6
99 76.2	49.3 73.9





#51

Ethyl methacrylate

Concen: 1.918 ug/l m

RT: 10.865 min Scan# 1513

Delta R.T. 0.012 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

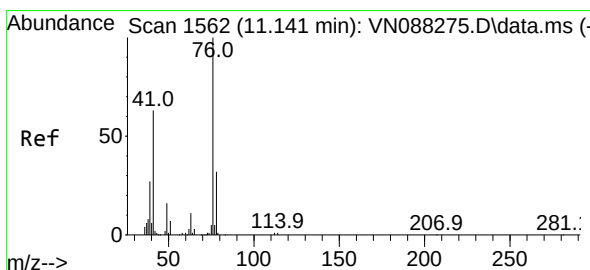
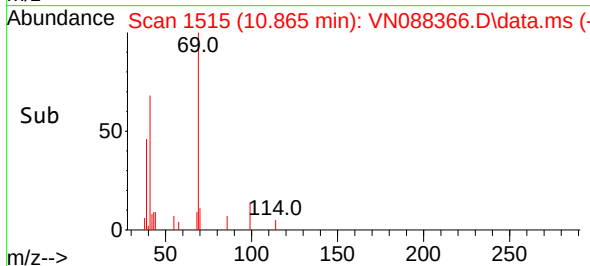
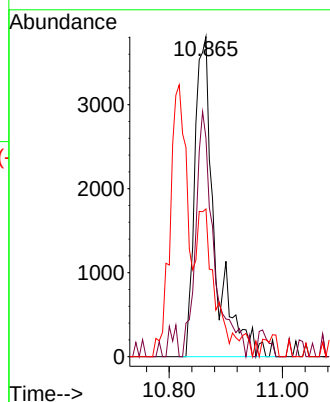
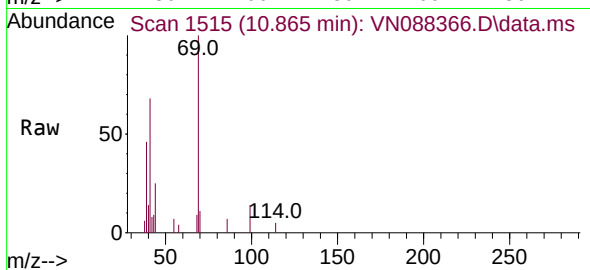
MDL-WATER-03-QT4-2025

Tgt Ion: 69 Resp: 9409
 Ion Ratio Lower Upper
 69 100
 41 68.3 33.6 100.8
 39 46.2 23.4 70.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2025
 Supervised By :Semsettin Yesilyurt 12/01/2025



#52

1,3-Dichloropropane

Concen: 2.364 ug/l

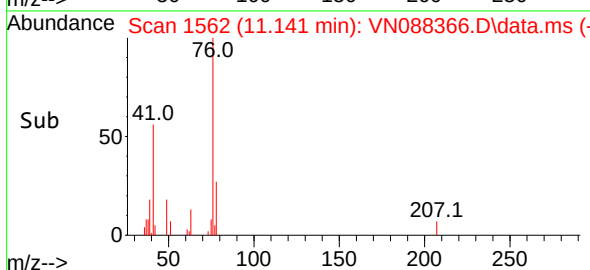
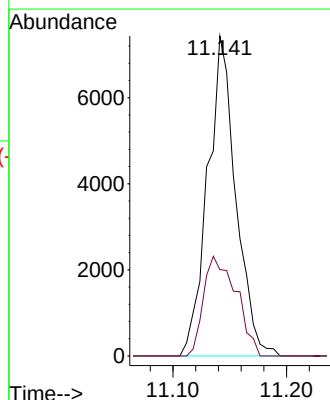
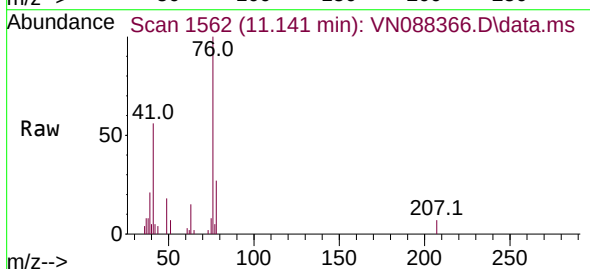
RT: 11.141 min Scan# 1562

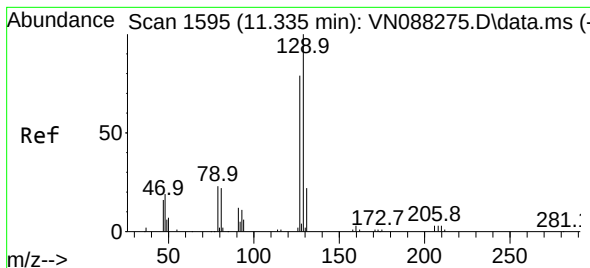
Delta R.T. 0.000 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

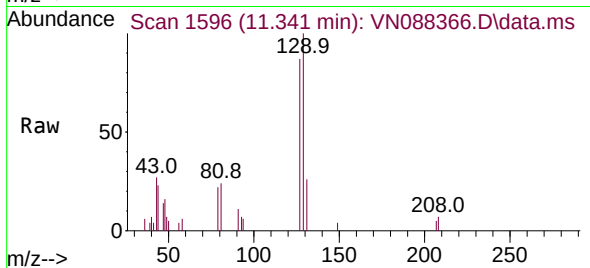
Tgt Ion: 76 Resp: 12837
 Ion Ratio Lower Upper
 76 100
 78 36.0 0.0 64.2





#53
Dibromochloromethane
Concen: 2.241 ug/l
RT: 11.341 min Scan# 11341
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

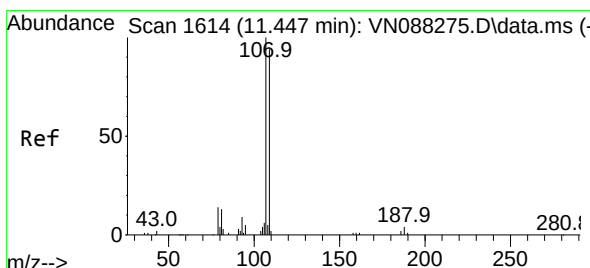
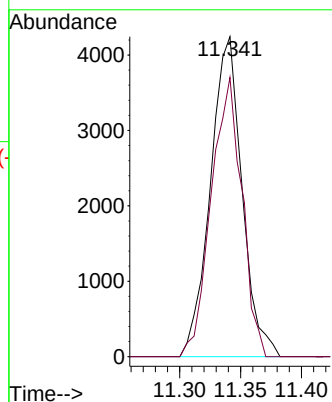
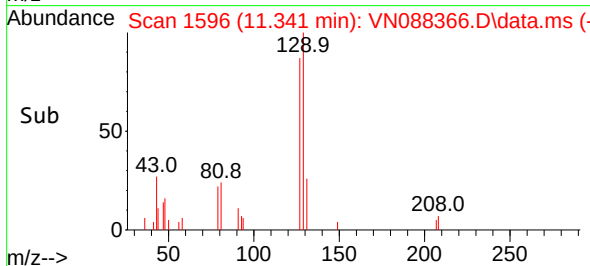
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025



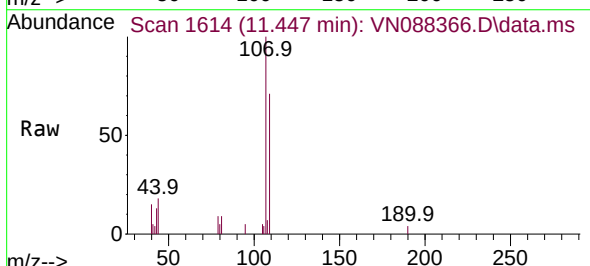
Tgt Ion:129 Resp: 7675
Ion Ratio Lower Upper
129 100
127 84.5 38.2 114.6

Manual Integrations
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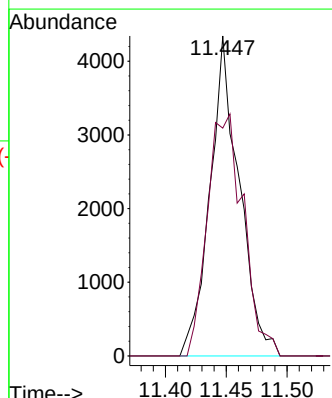
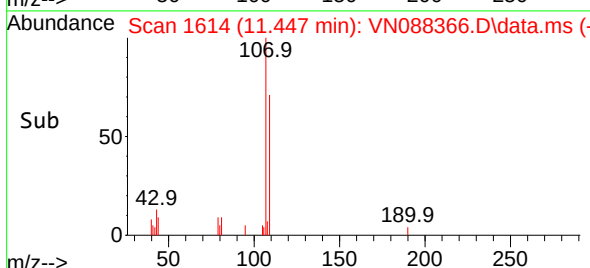
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025

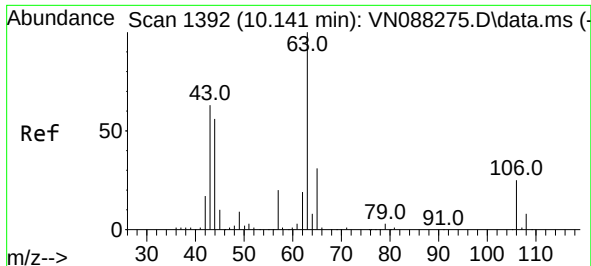


#54
1,2-Dibromoethane
Concen: 2.350 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09



Tgt Ion:107 Resp: 7280
Ion Ratio Lower Upper
107 100
109 92.0 76.6 115.0





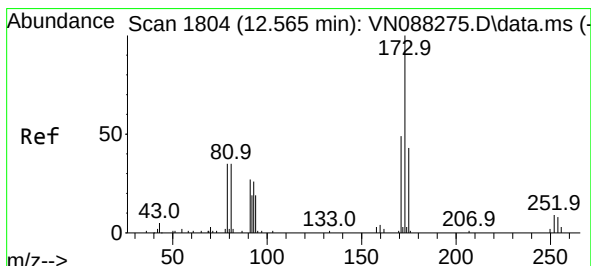
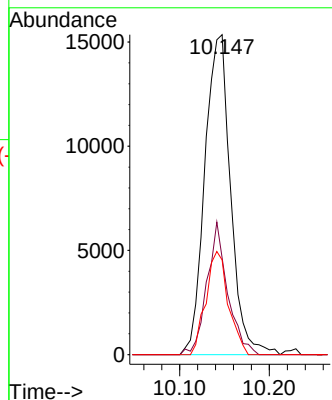
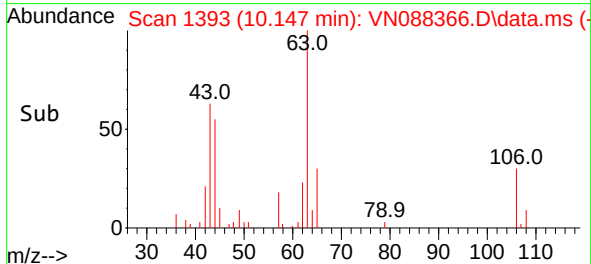
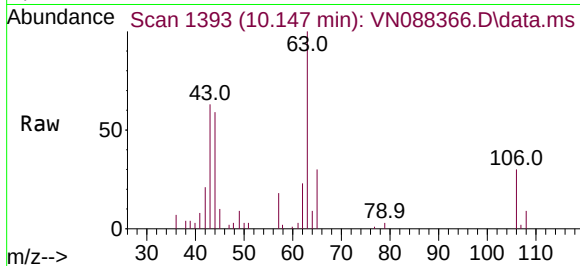
#55
2-Chloroethyl vinyl ether
Concen: 10.851 ug/l
RT: 10.147 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion: 63 Resp: 3066
Ion Ratio Lower Upper
63 100
65 33.4 24.9 37.3
106 28.1 20.3 30.5

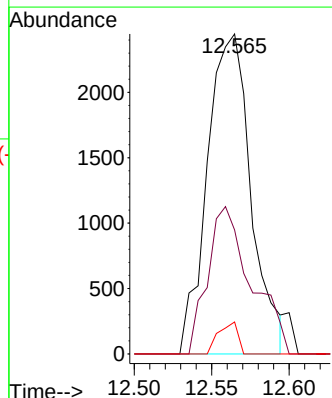
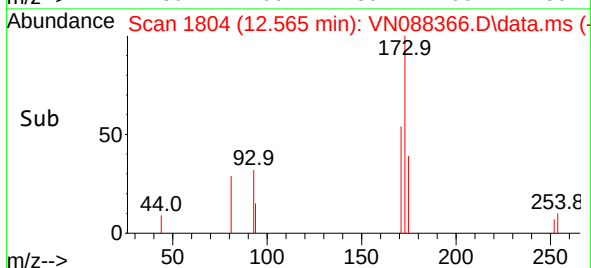
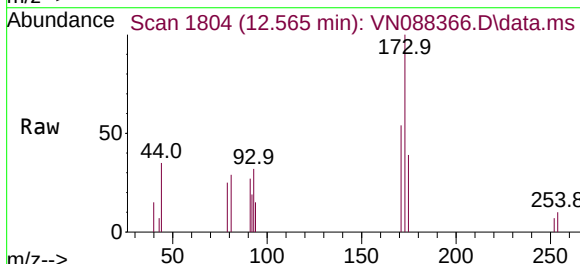
Manual Integrations
APPROVED

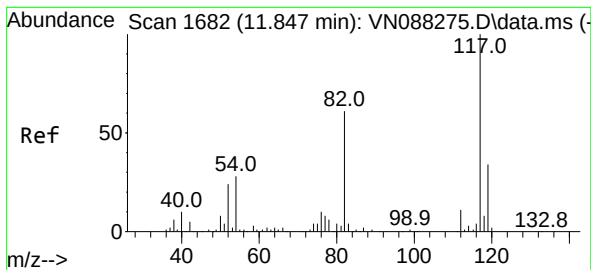
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#56
Bromoform
Concen: 2.221 ug/l
RT: 12.565 min Scan# 1804
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion:173 Resp: 4815
Ion Ratio Lower Upper
173 100
175 40.9 37.7 56.5
254 4.4 5.9 8.9#





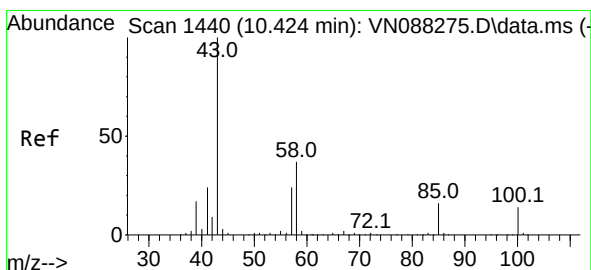
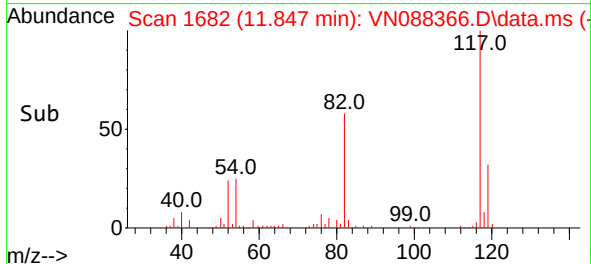
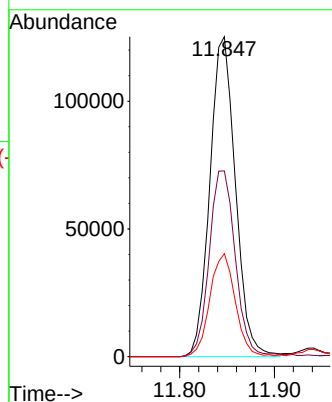
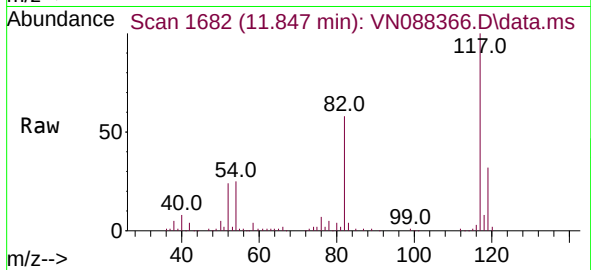
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion:117 Resp: 235258
Ion Ratio Lower Upper
117 100
82 59.3 49.3 73.9
119 32.0 26.4 39.6

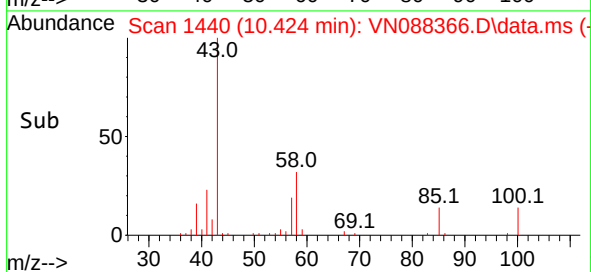
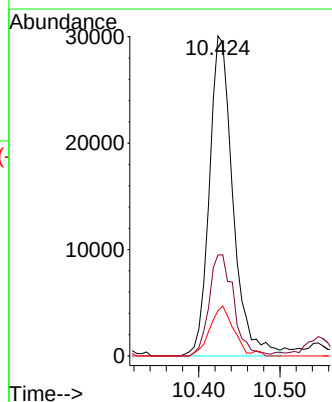
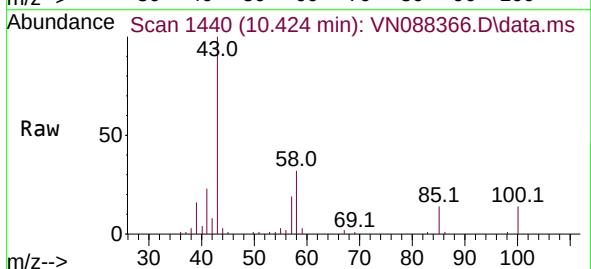
Manual Integrations
APPROVED

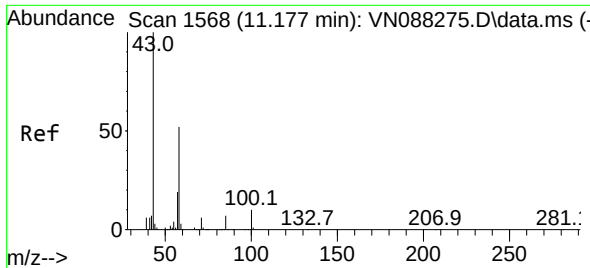
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#58
4-Methyl-2-Pentanone
Concen: 11.426 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

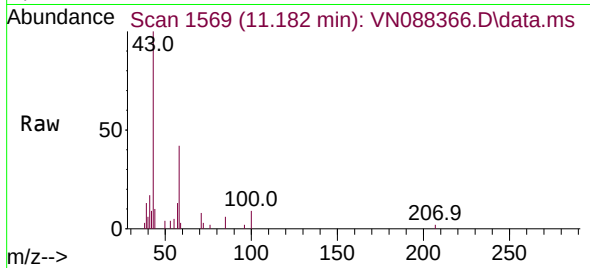
Tgt Ion: 43 Resp: 60798
Ion Ratio Lower Upper
43 100
58 32.9 29.2 43.8
85 15.3 12.6 19.0





#59
2-Hexanone
Concen: 6.188 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

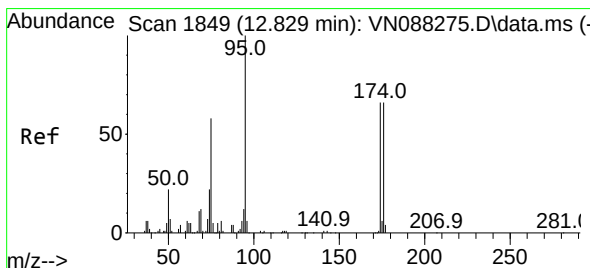
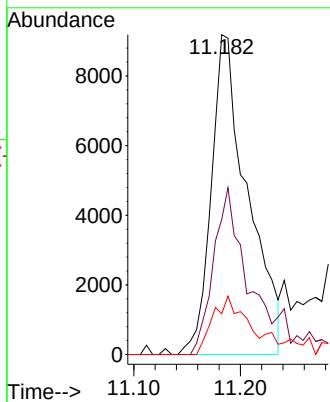
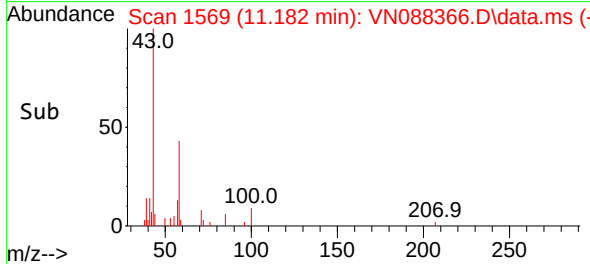
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 43 Resp: 21863
Ion Ratio Lower Upper
43 100
58 37.5 41.0 61.4
57 16.2 14.4 21.6

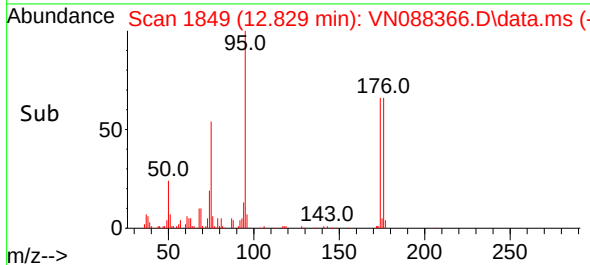
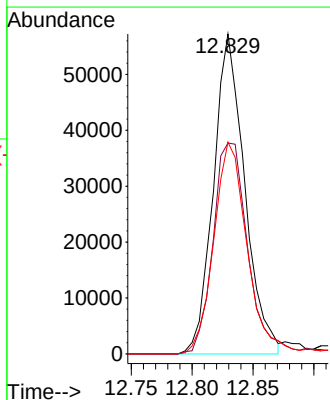
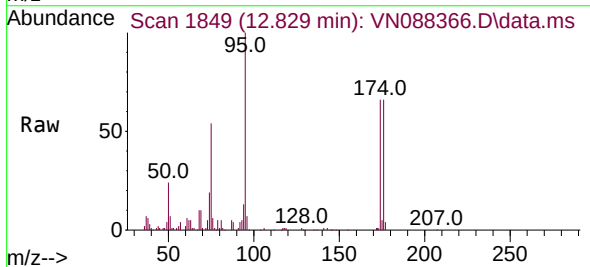
Manual Integrations
APPROVED

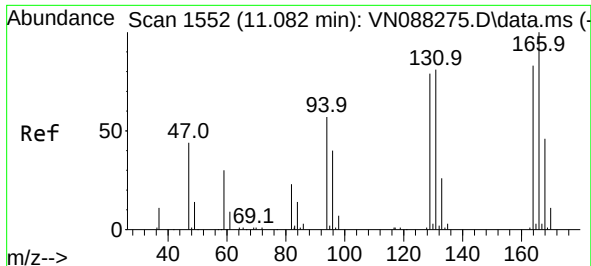
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#60
4-Bromofluorobenzene
Concen: 25.583 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

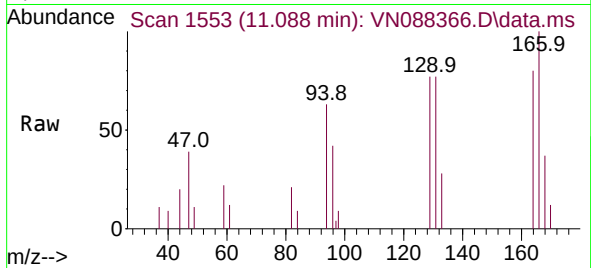
Tgt Ion: 95 Resp: 101742
Ion Ratio Lower Upper
95 100
174 73.3 54.5 81.7
176 70.5 53.8 80.6





#61
Tetrachloroethene
Concen: 2.873 ug/l
RT: 11.088 min Scan# 1552
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

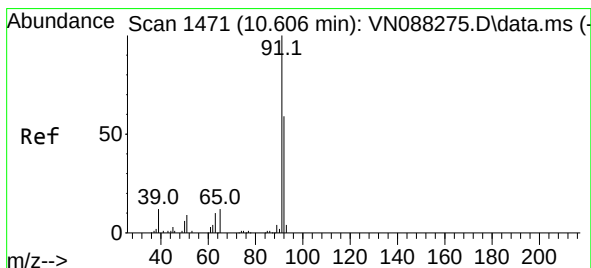
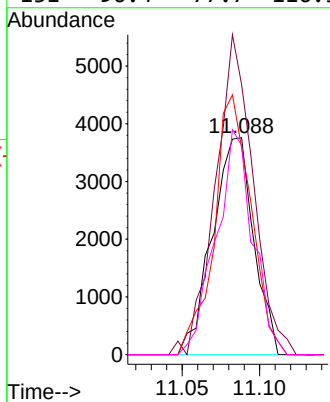
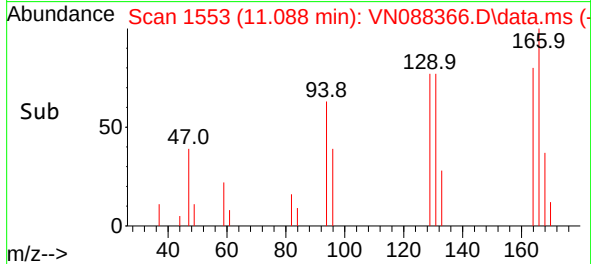
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:164 Resp: 6969
Ion Ratio Lower Upper
164 100
166 118.4 96.3 144.5
129 95.4 76.2 114.2
131 96.4 77.7 116.5

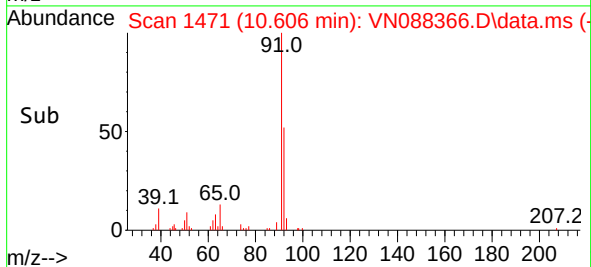
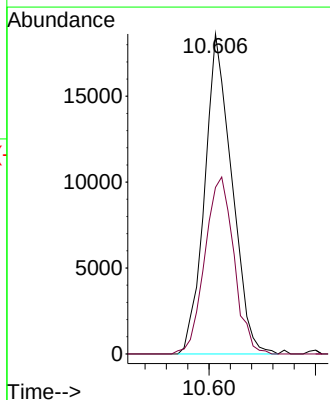
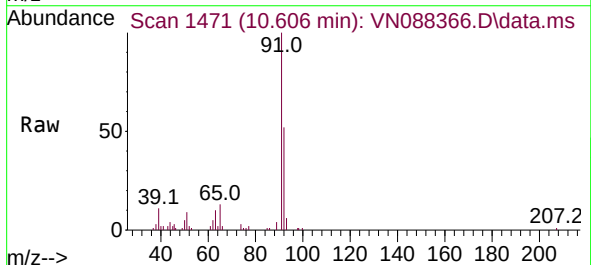
Manual Integrations
APPROVED

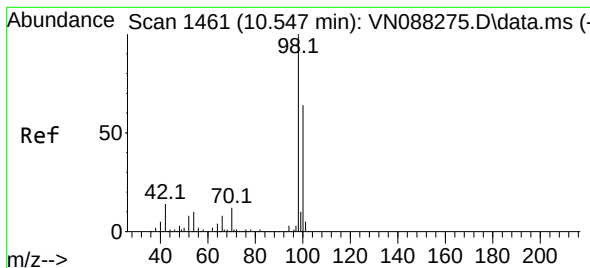
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#62
Toluene
Concen: 2.444 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 91 Resp: 32992
Ion Ratio Lower Upper
91 100
92 59.1 46.7 70.1





#63

Toluene-d8

Concen: 30.406 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 98 Resp: 338656

Ion Ratio Lower Upper

98 100

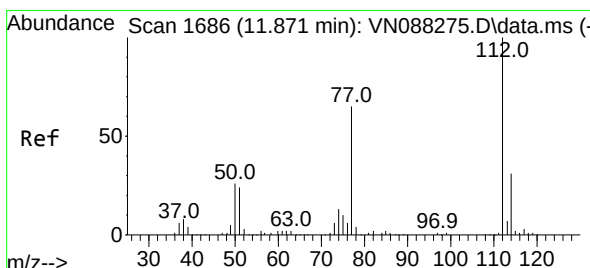
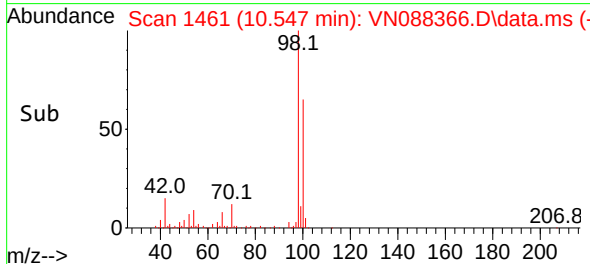
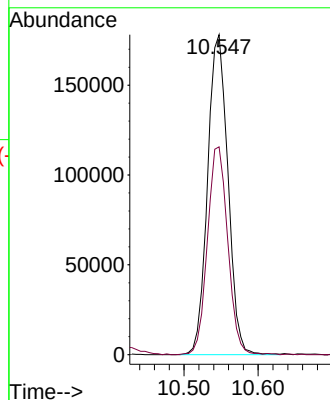
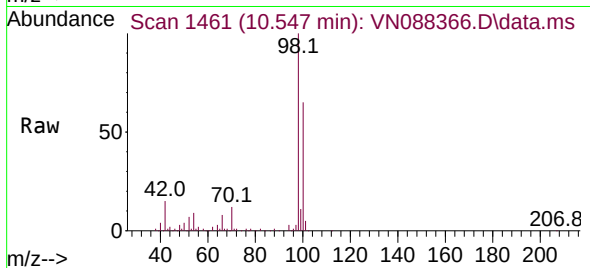
100 64.9 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#64

Chlorobenzene

Concen: 2.289 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VN088366.D

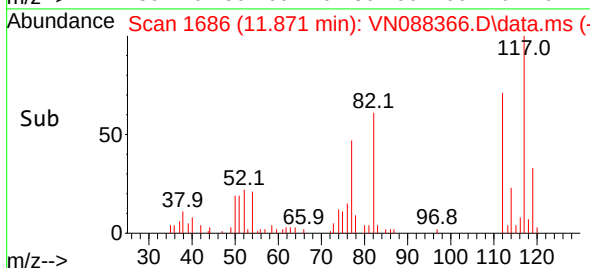
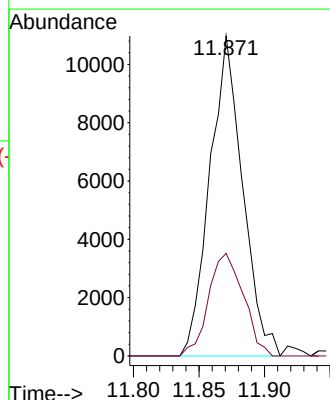
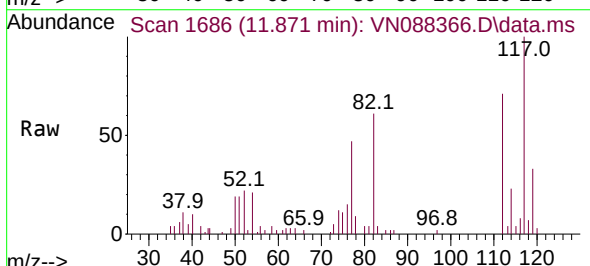
Acq: 26 Nov 2025 11:09

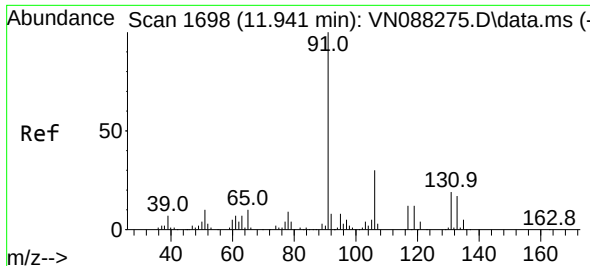
Tgt Ion:112 Resp: 19138

Ion Ratio Lower Upper

112 100

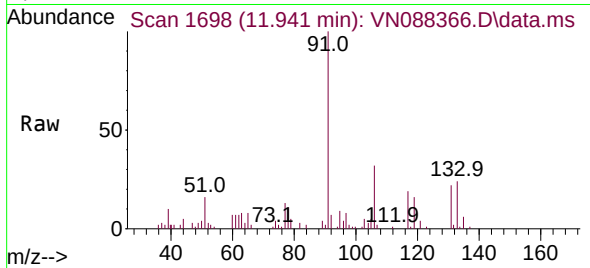
114 32.0 25.0 37.4





#65
1,1,1,2-Tetrachloroethane
Concen: 2.372 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

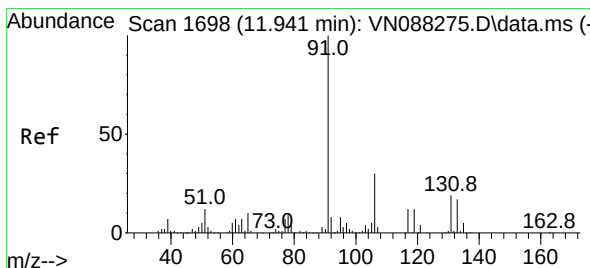
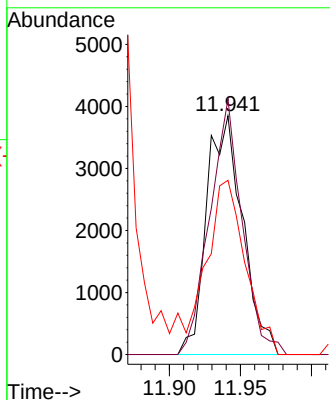
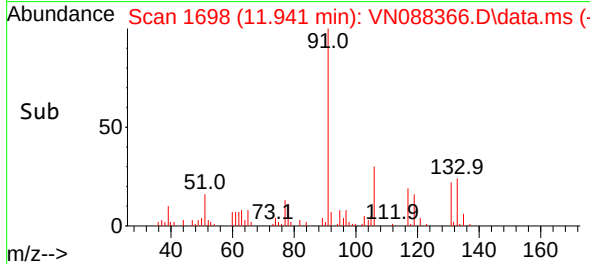
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2025



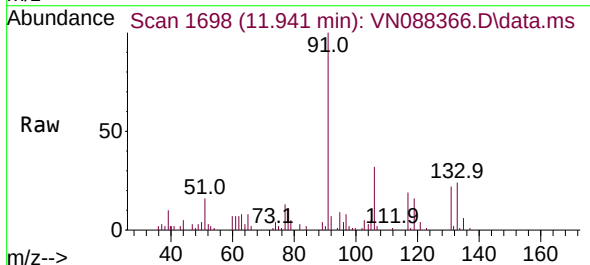
Tgt Ion:131 Resp: 678
Ion Ratio Lower Upper
131 100
133 95.6 0.0 181.4
119 77.5 0.0 135.0

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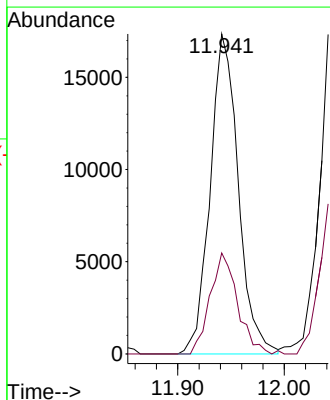
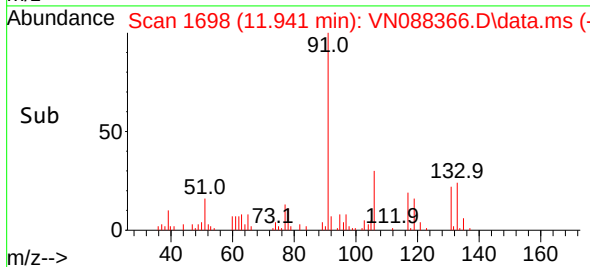
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025

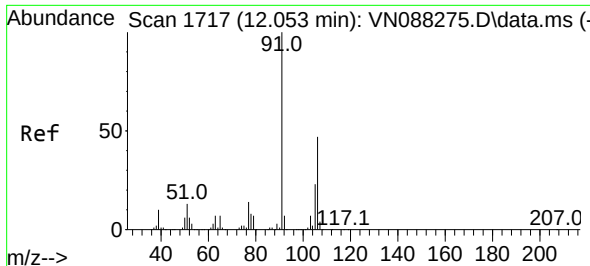


#66
Ethyl Benzene
Concen: 2.142 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09



Tgt Ion: 91 Resp: 31871
Ion Ratio Lower Upper
91 100
106 31.5 24.4 36.6





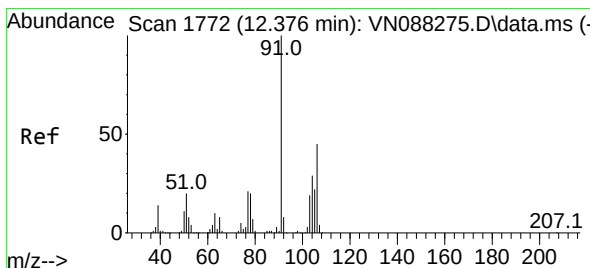
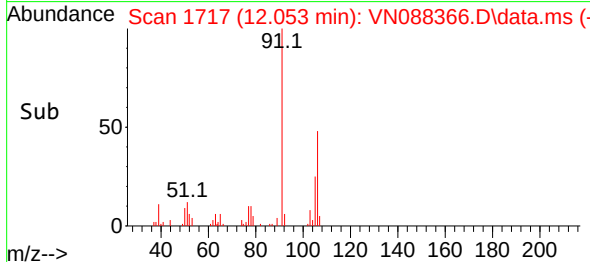
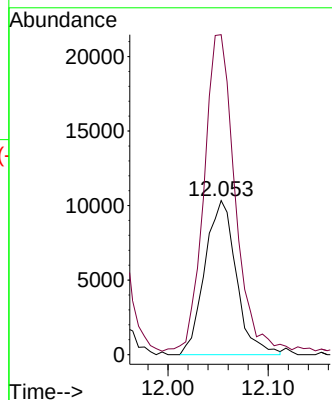
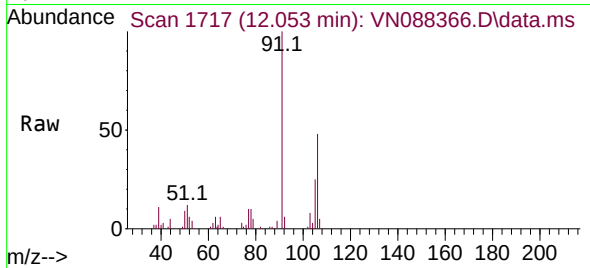
#67
m/p-Xylenes
Concen: 4.041 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion:106 Resp: 2248
Ion Ratio Lower Upper
106 100
91 196.2 168.3 252.5

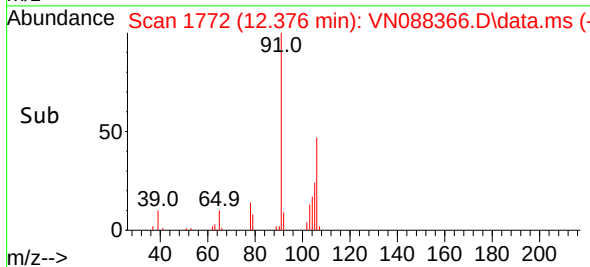
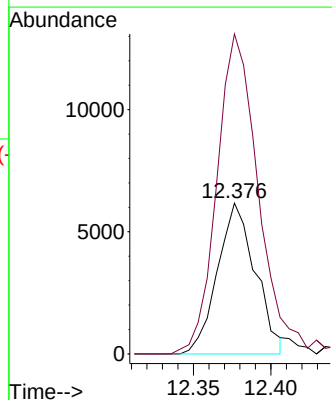
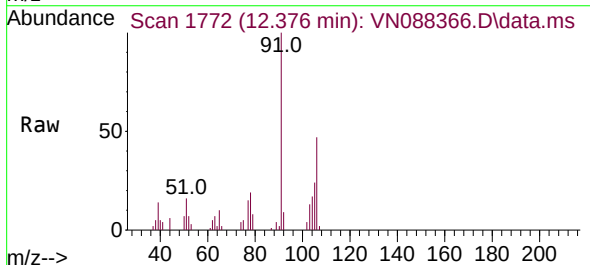
Manual Integrations
APPROVED

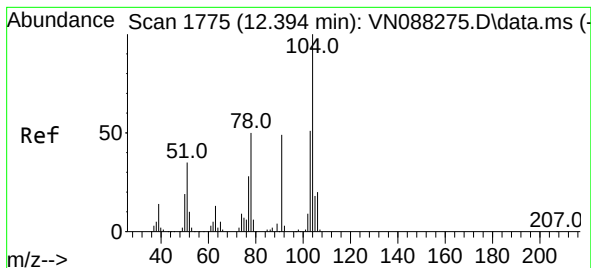
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#68
o-Xylene
Concen: 2.005 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion:106 Resp: 10523
Ion Ratio Lower Upper
106 100
91 230.3 114.0 342.0





#69

Styrene

Concen: 1.717 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

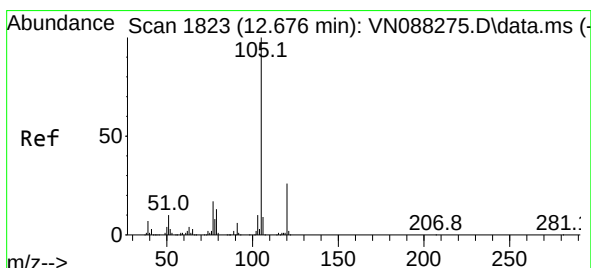
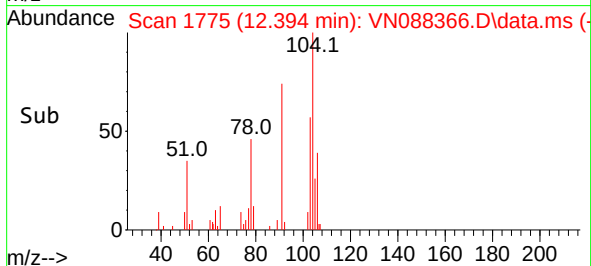
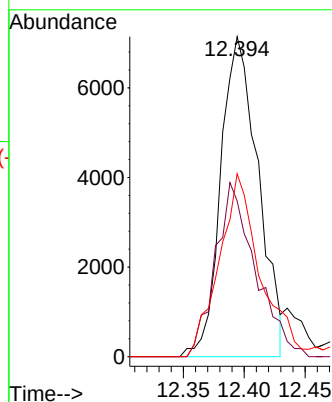
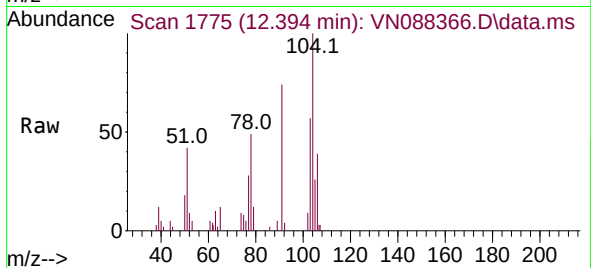
MDL-WATER-03-QT4-2025

Tgt Ion:	104	Resp:	15304
Ion Ratio	Lower	Upper	
104	100		
78	58.1	43.8	65.8
103	62.4	44.8	67.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#70

Isopropylbenzene

Concen: 1.864 ug/l

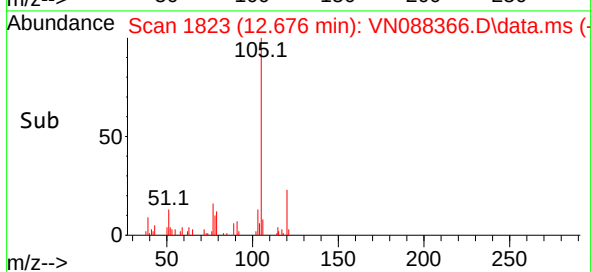
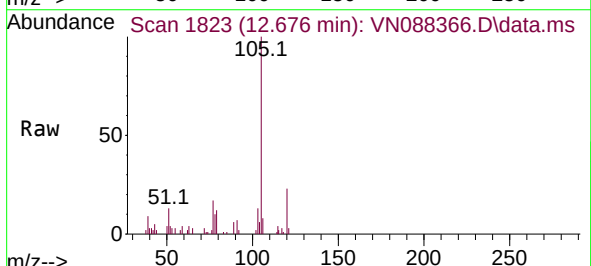
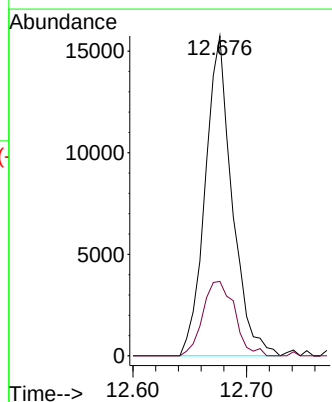
RT: 12.676 min Scan# 1823

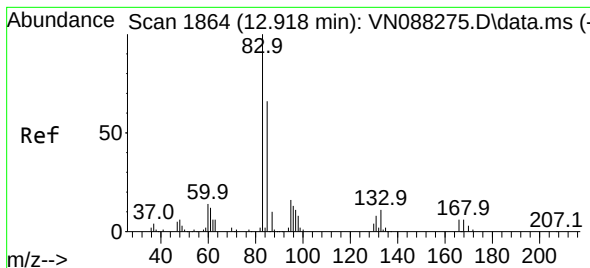
Delta R.T. 0.000 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

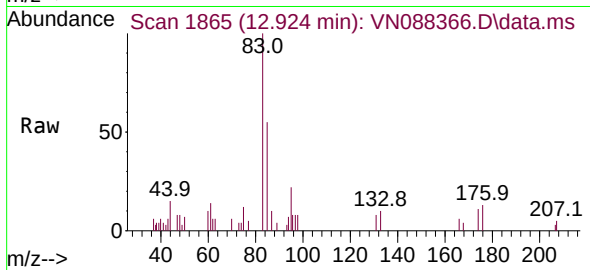
Tgt Ion:	105	Resp:	25931
Ion Ratio	Lower	Upper	
105	100		
120	27.0	18.2	33.8





#71
1,1,2,2-Tetrachloroethane
Concen: 2.197 ug/l
RT: 12.924 min Scan# 1865
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

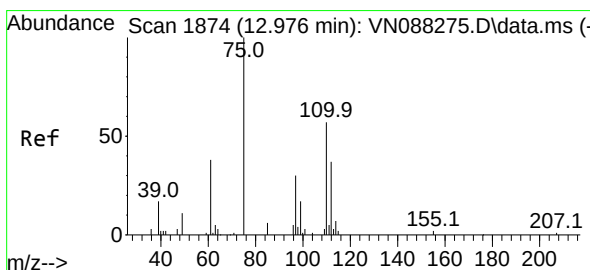
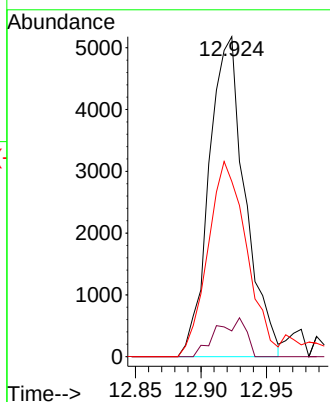
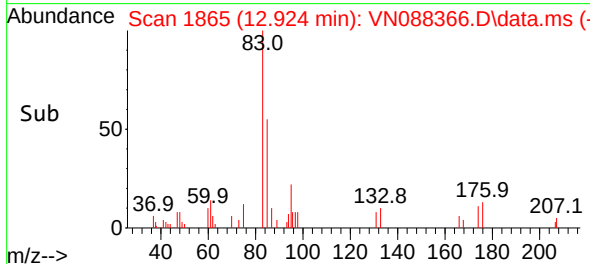
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 83 Resp: 9899
Ion Ratio Lower Upper
83 100
131 3.6 4.3 12.9
85 65.8 32.4 97.2

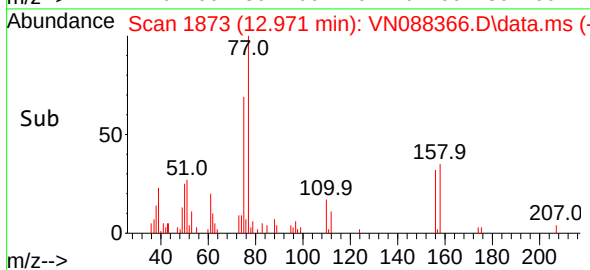
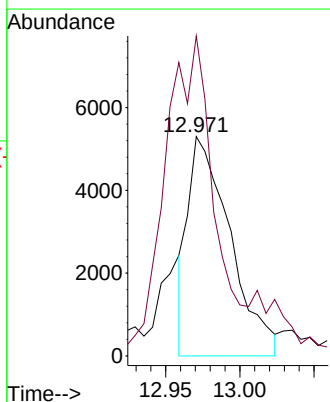
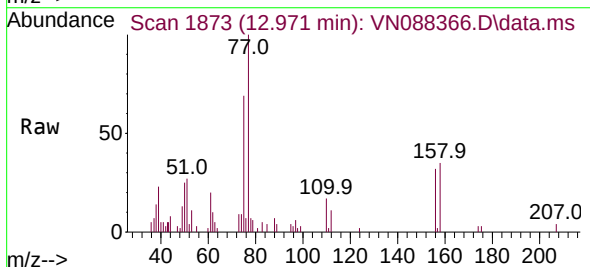
Manual Integrations
APPROVED

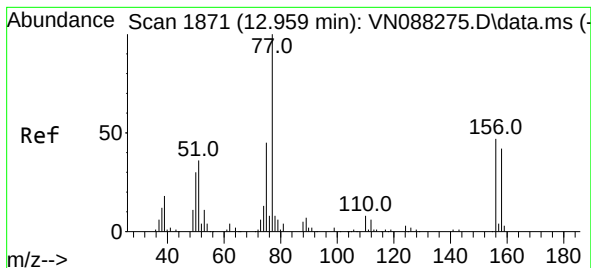
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#72
1,2,3-Trichloropropane
Concen: 2.396 ug/l m
RT: 12.971 min Scan# 1873
Delta R.T. -0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 75 Resp: 10460
Ion Ratio Lower Upper
75 100
77 89.4 0.0 386.6





#73

Bromobenzene

Concen: 2.081 ug/l

RT: 12.965 min Scan# 1871

Delta R.T. 0.006 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2025

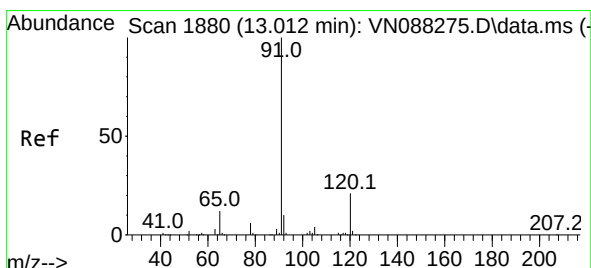
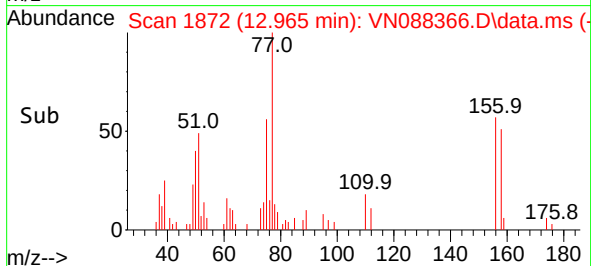
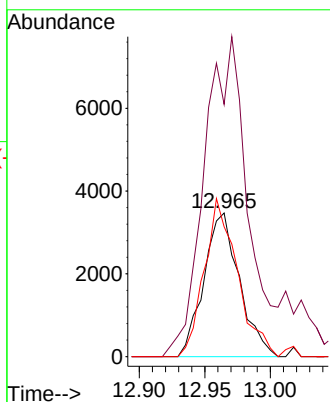
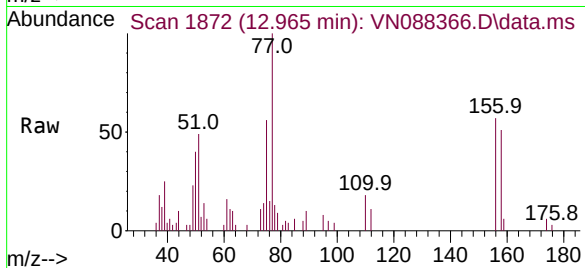
Tgt Ion:156 Resp: 6536
 Ion Ratio Lower Upper
 156 100
 77 143.0 0.0 493.4
 158 102.6 0.0 193.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#74

n-propylbenzene

Concen: 1.940 ug/l

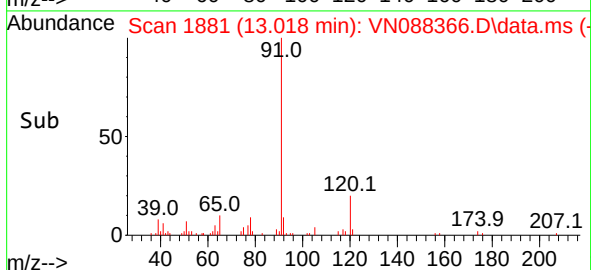
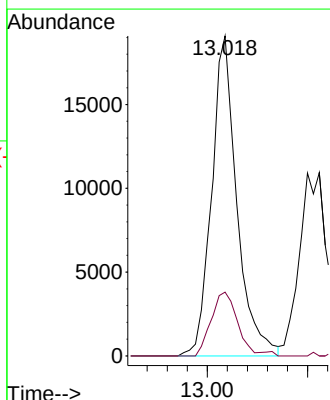
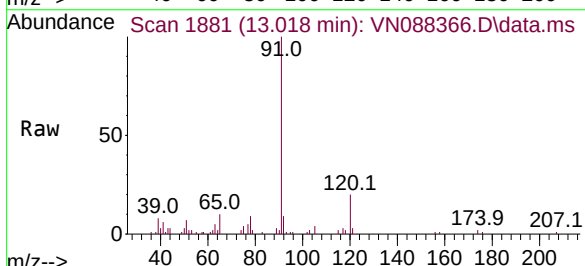
RT: 13.018 min Scan# 1881

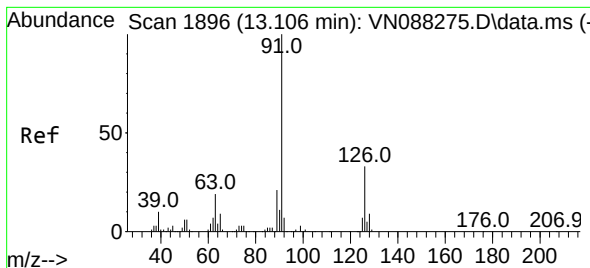
Delta R.T. 0.006 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Tgt Ion: 91 Resp: 33404
 Ion Ratio Lower Upper
 91 100
 120 20.3 0.0 43.2





#75

2-Chlorotoluene

Concen: 2.085 ug/l

RT: 13.112 min Scan# 1896

Delta R.T. 0.006 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 91 Resp: 21826

Ion Ratio Lower Upper

91 100

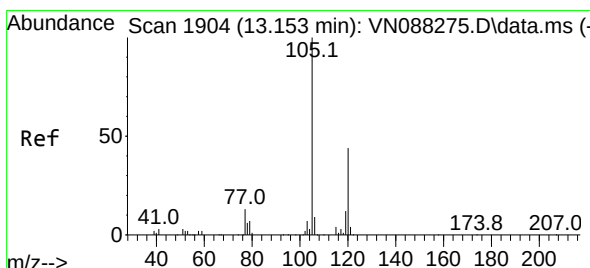
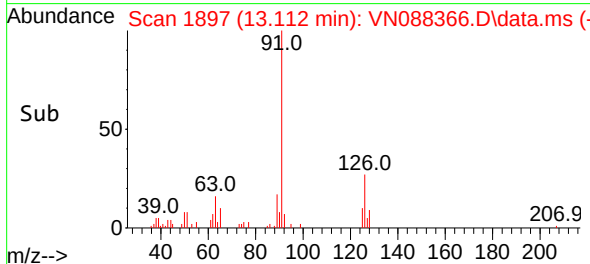
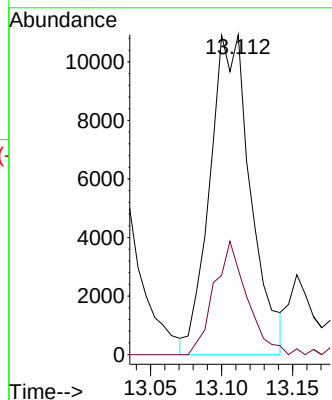
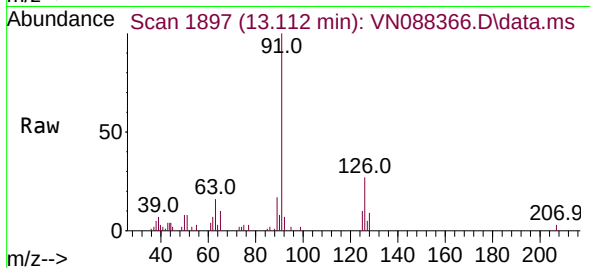
126 28.5 0.0 62.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#76

1,3,5-Trimethylbenzene

Concen: 1.946 ug/l

RT: 13.153 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VN088366.D

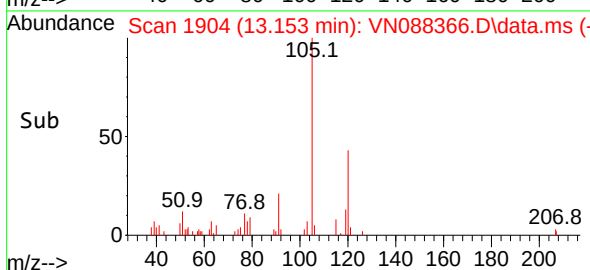
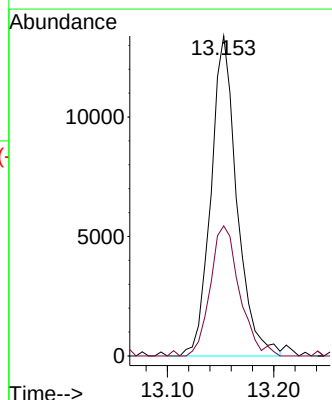
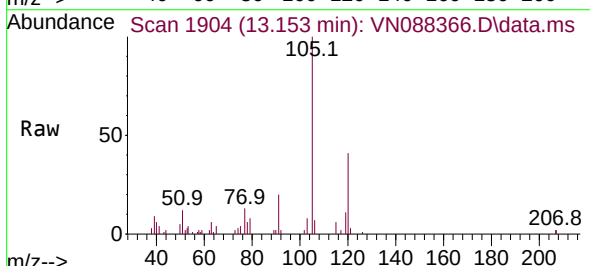
Acq: 26 Nov 2025 11:09

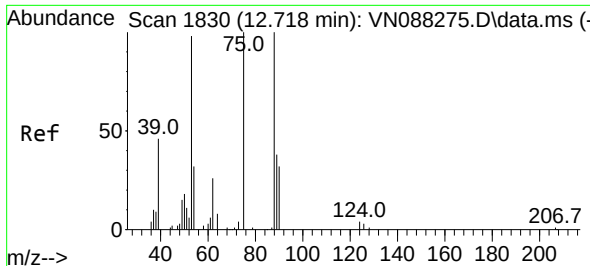
Tgt Ion:105 Resp: 22722

Ion Ratio Lower Upper

105 100

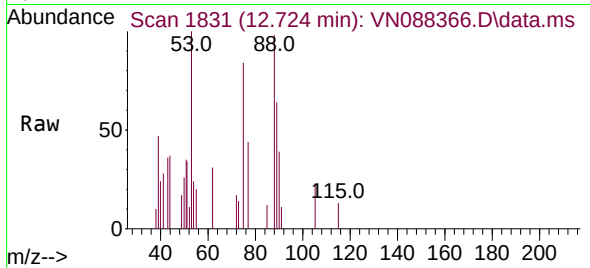
120 44.6 0.0 94.6





#77
t-1,4-Dichloro-2-butene
Concen: 2.133 ug/l m
RT: 12.724 min Scan# 1831
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

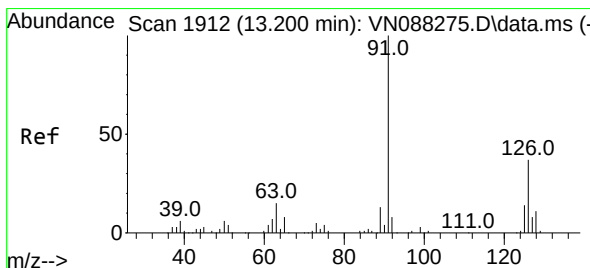
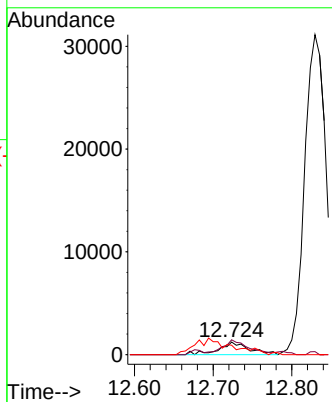
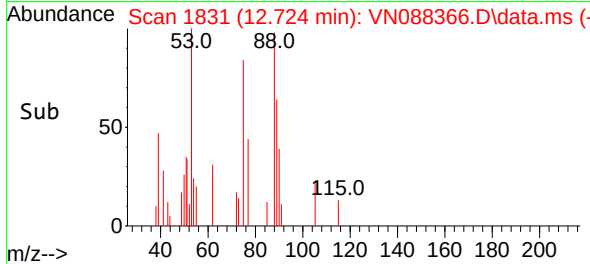
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion: 75 Resp: 3198
Ion Ratio Lower Upper
75 100
53 118.4 50.0 150.0
89 75.4 22.3 66.9

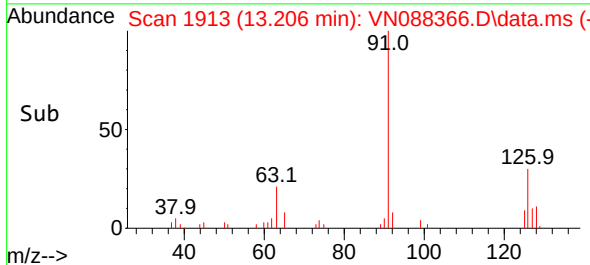
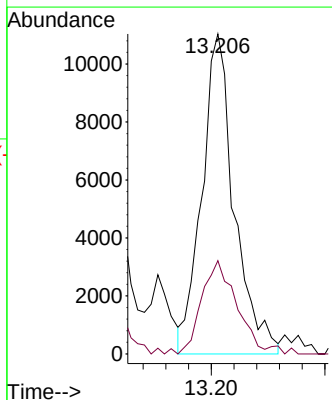
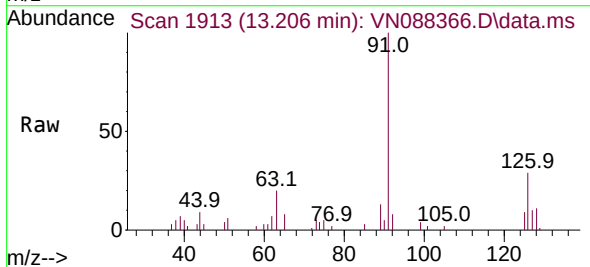
Manual Integrations
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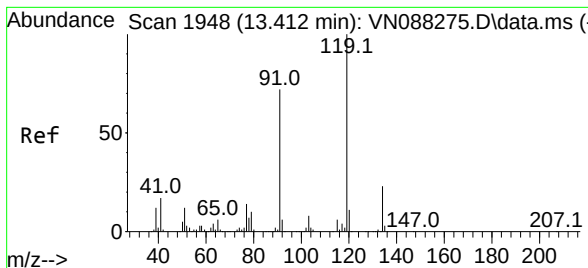
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#78
4-Chlorotoluene
Concen: 2.054 ug/l
RT: 13.206 min Scan# 1913
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 91 Resp: 21792
Ion Ratio Lower Upper
91 100
126 31.1 0.0 60.8





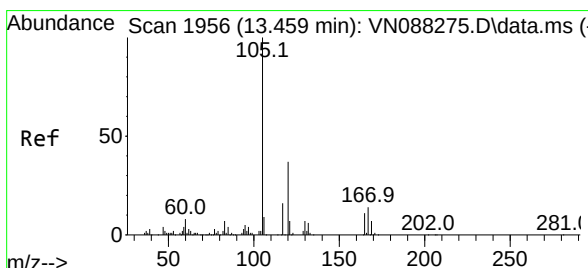
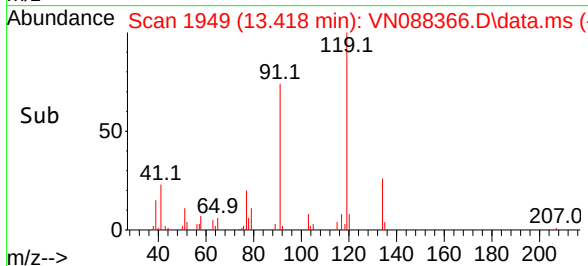
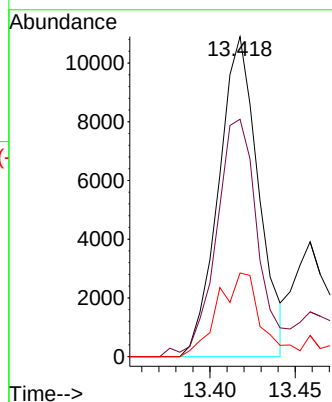
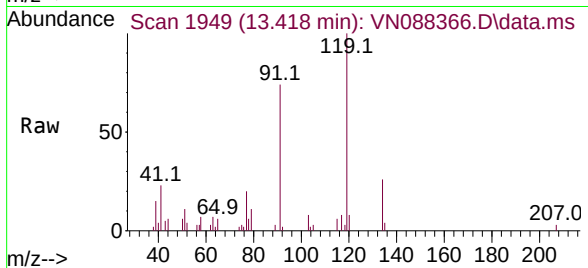
#79
tert-butylbenzene
Concen: 1.777 ug/l
RT: 13.418 min Scan# 1948
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion:119 Resp: 17764
Ion Ratio Lower Upper
119 100
91 77.0 0.0 140.8
134 28.1 0.0 48.4

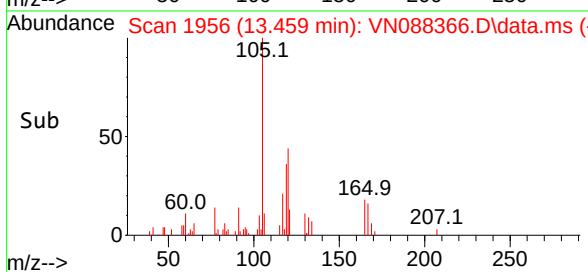
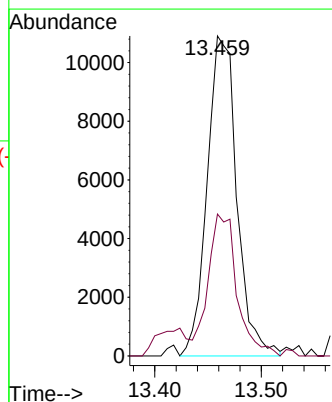
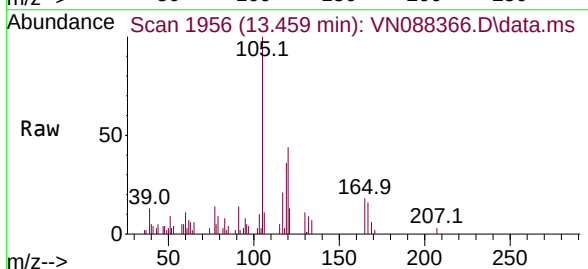
Manual Integrations
APPROVED

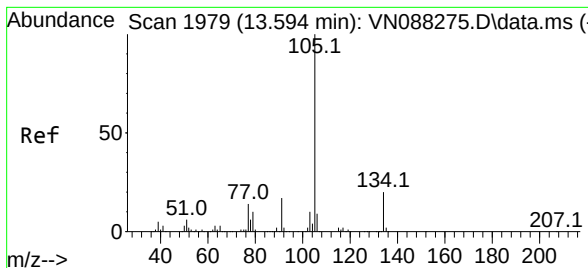
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#80
1,2,4-Trimethylbenzene
Concen: 1.818 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion:105 Resp: 21109
Ion Ratio Lower Upper
105 100
120 42.8 0.0 89.2





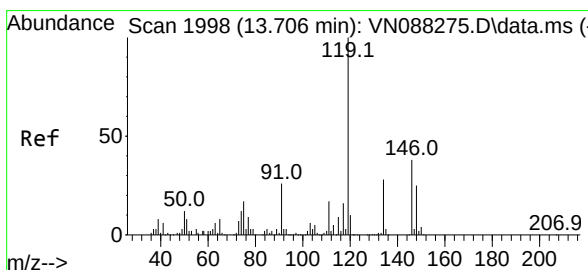
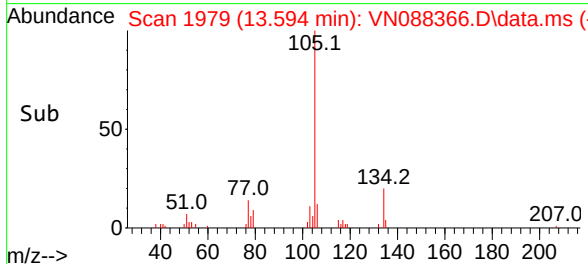
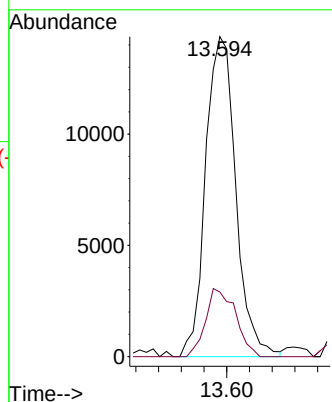
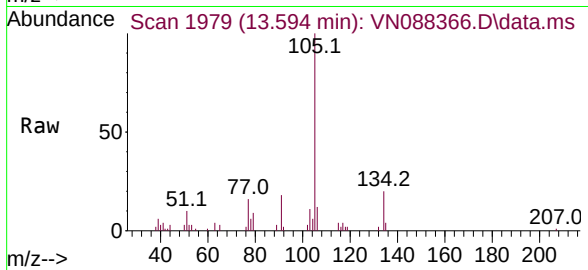
#81
 sec-Butylbenzene
 Concen: 1.821 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN088366.D
 Acq: 26 Nov 2025 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2025

Tgt Ion:105 Resp: 26558
 Ion Ratio Lower Upper
 105 100
 134 21.1 0.0 38.4

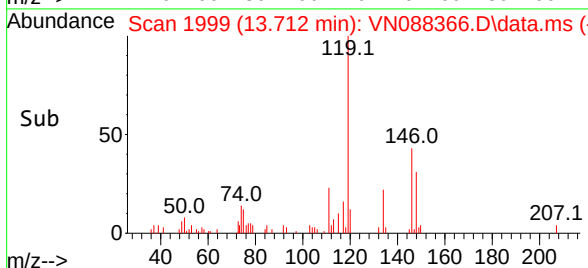
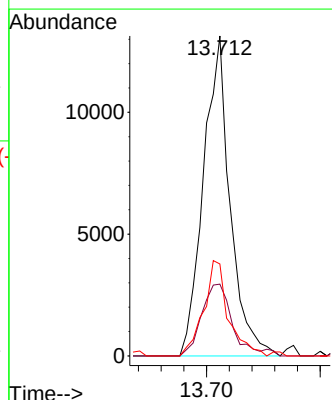
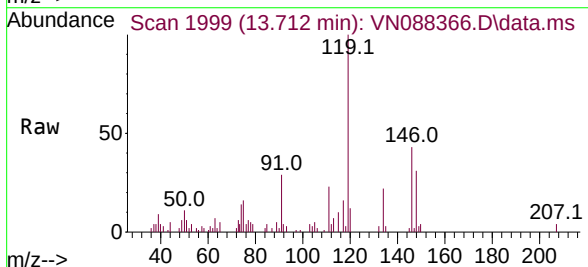
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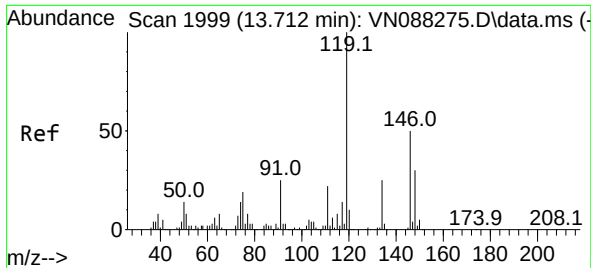
Reviewed By :John Carbone 12/01/2025
 Supervised By :Semsettin Yesilyurt 12/01/2025



#82
 p-Isopropyltoluene
 Concen: 1.776 ug/l
 RT: 13.712 min Scan# 1999
 Delta R.T. 0.006 min
 Lab File: VN088366.D
 Acq: 26 Nov 2025 11:09

Tgt Ion:119 Resp: 21402
 Ion Ratio Lower Upper
 119 100
 134 25.2 0.0 51.2
 91 27.6 0.0 53.4





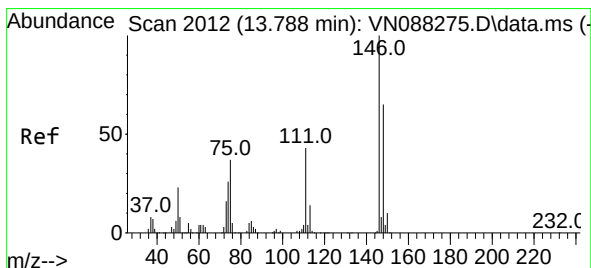
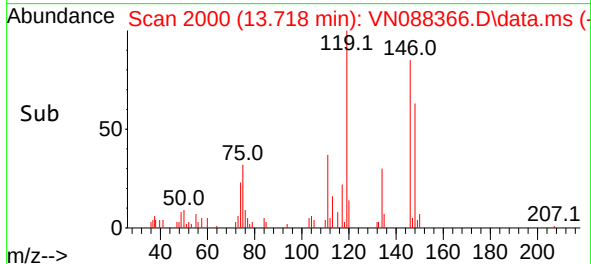
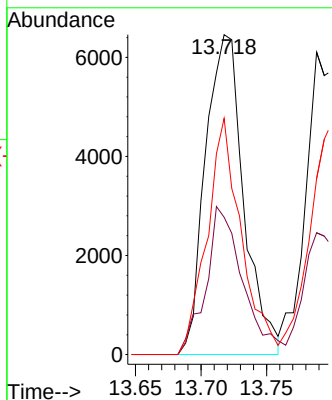
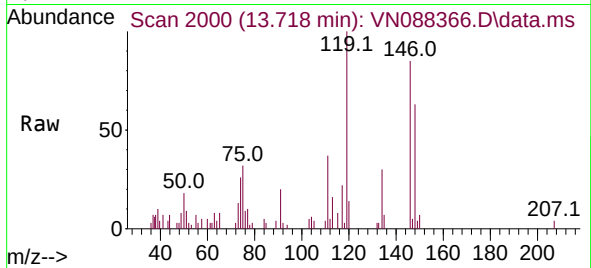
#83
1,3-Dichlorobenzene
Concen: 2.151 ug/l
RT: 13.718 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion:146 Resp: 13124
Ion Ratio Lower Upper
146 100
111 44.7 22.1 66.5
148 65.9 31.4 94.3

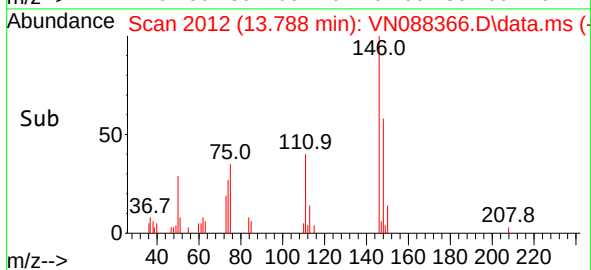
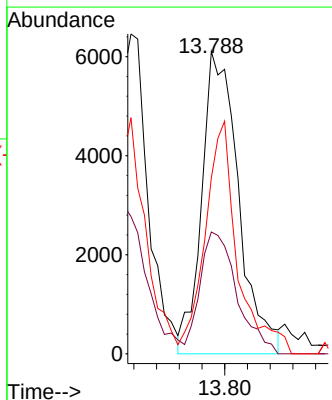
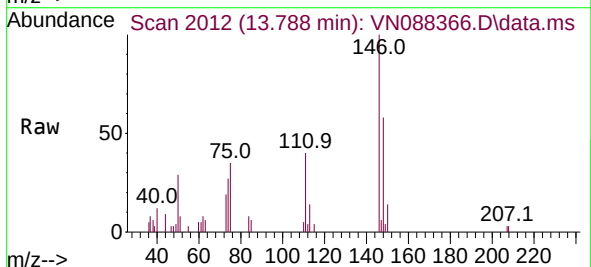
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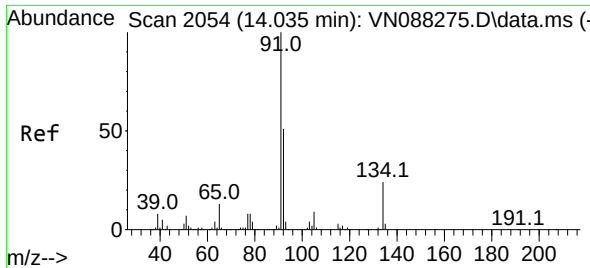
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#84
1,4-Dichlorobenzene
Concen: 2.225 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion:146 Resp: 13751
Ion Ratio Lower Upper
146 100
111 40.3 21.8 65.3
148 56.8 31.9 95.5





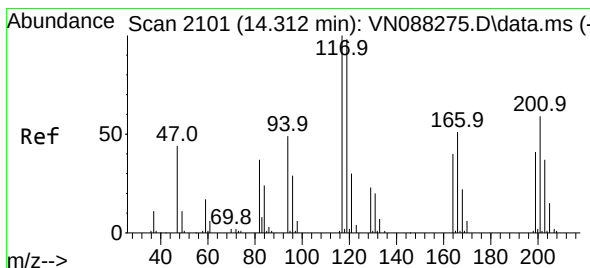
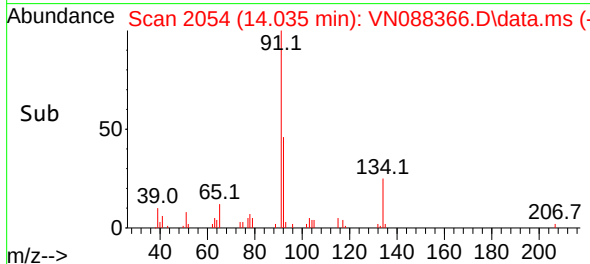
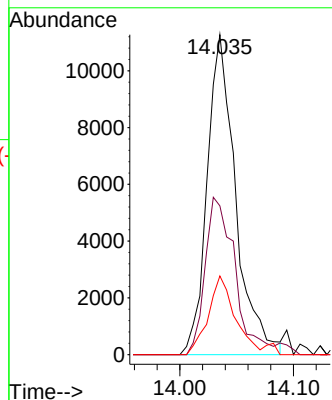
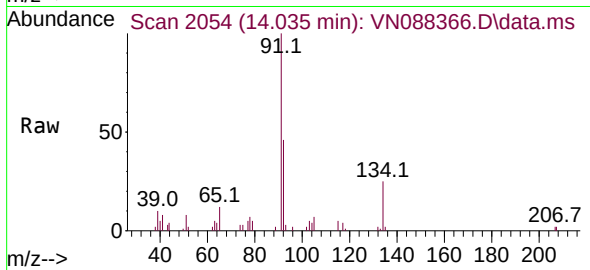
#85
n-Butylbenzene
Concen: 1.713 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2025

Tgt Ion: 91 Resp: 1966
Ion Ratio Lower Upper
91 100
92 51.1 0.0 102.4
134 23.0 0.0 45.8

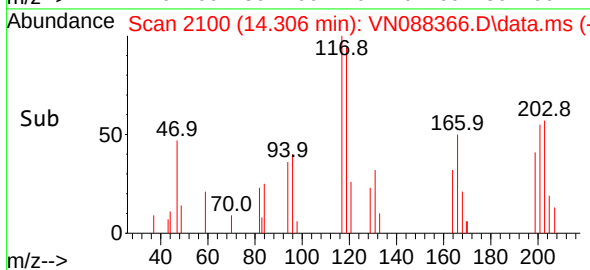
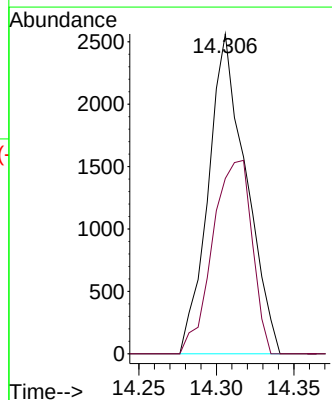
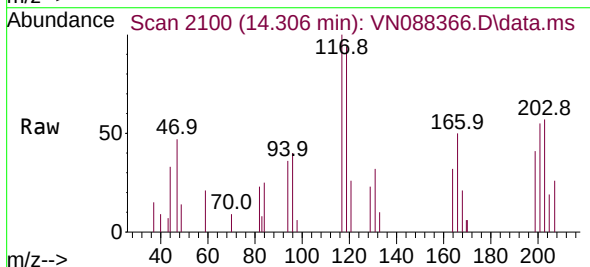
Manual Integrations
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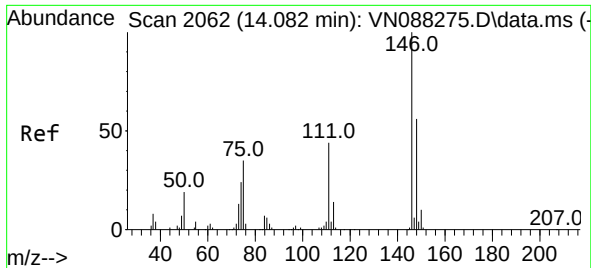
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#86
Hexachloroethane
Concen: 1.884 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion:117 Resp: 4347
Ion Ratio Lower Upper
117 100
201 63.2 30.6 92.0





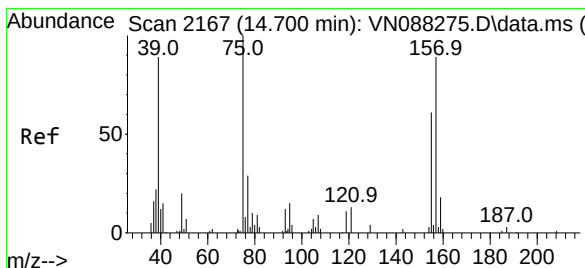
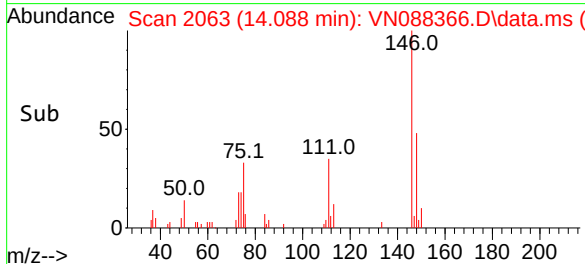
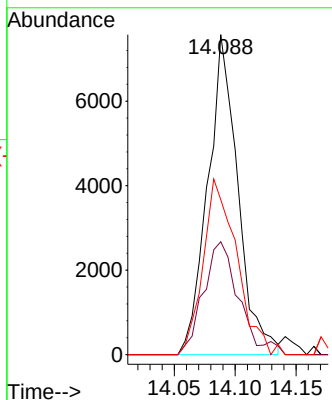
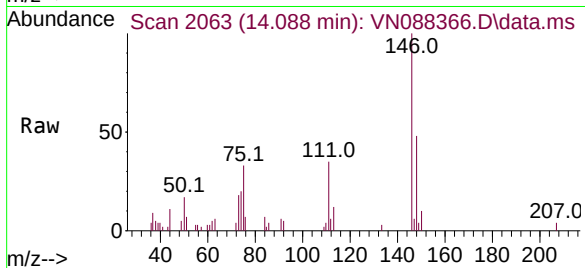
#87
1,2-Dichlorobenzene
Concen: 2.266 ug/l
RT: 14.088 min Scan# 2062
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion:146 Resp: 1305
Ion Ratio Lower Upper
146 100
111 39.5 23.0 69.0
148 60.7 31.1 93.2

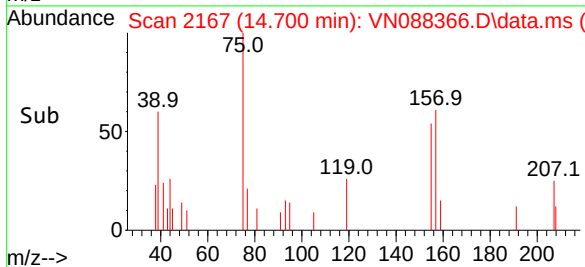
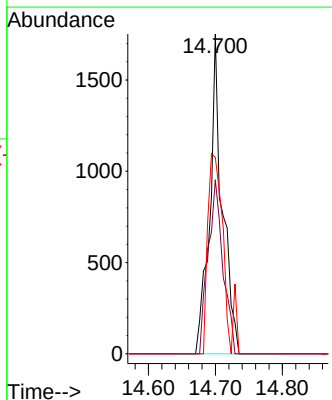
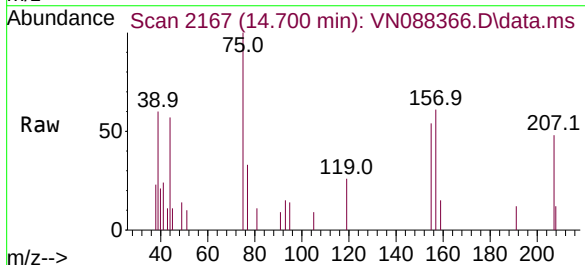
Manual Integrations
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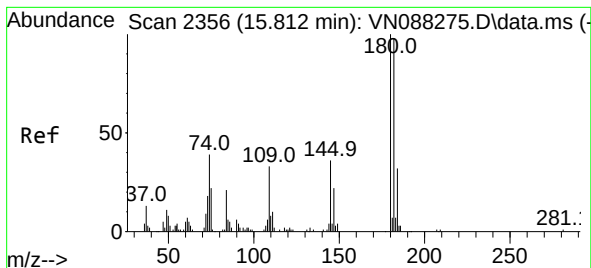
Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 2.163 ug/l m
RT: 14.700 min Scan# 2167
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 75 Resp: 2291
Ion Ratio Lower Upper
75 100
155 64.6 54.8 82.2
157 71.7 70.7 106.1





#89

1,2,4-Trichlorobenzene

Concen: 2.217 ug/l

RT: 15.817 min Scan# 2356

Delta R.T. 0.006 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion:180 Resp: 7166

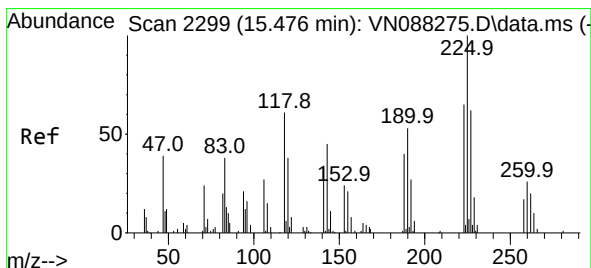
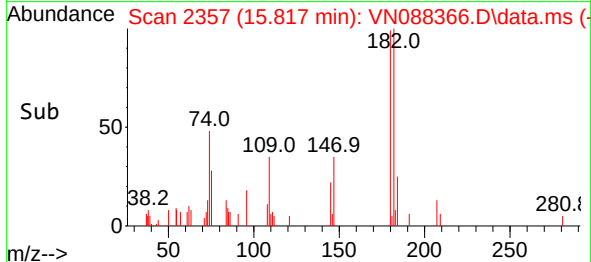
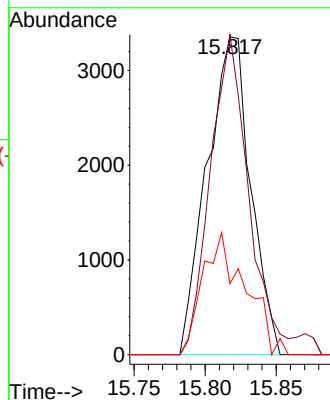
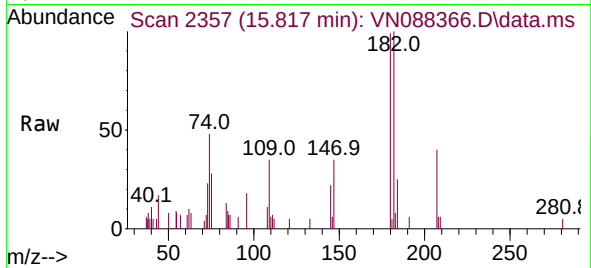
Ion	Ratio	Lower	Upper
180	100		
182	88.1	77.3	115.9
145	33.7	30.2	45.4

Manual Integrations

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Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#90

Hexachlorobutadiene

Concen: 2.272 ug/l

RT: 15.476 min Scan# 2299

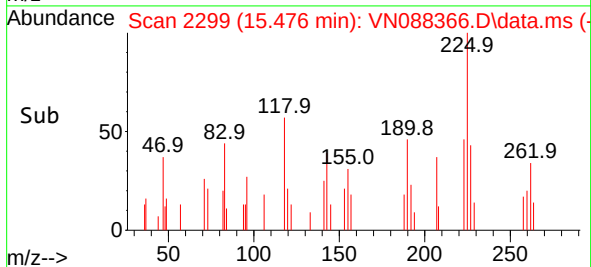
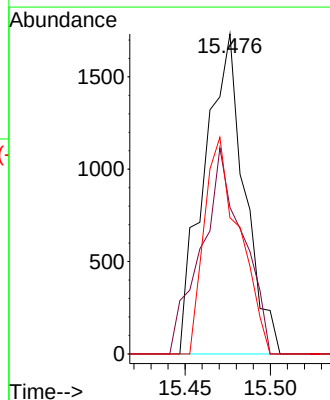
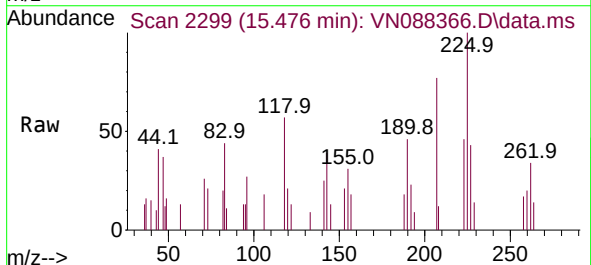
Delta R.T. 0.000 min

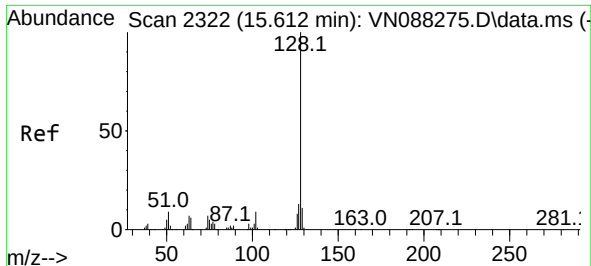
Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Tgt Ion:225 Resp: 2851

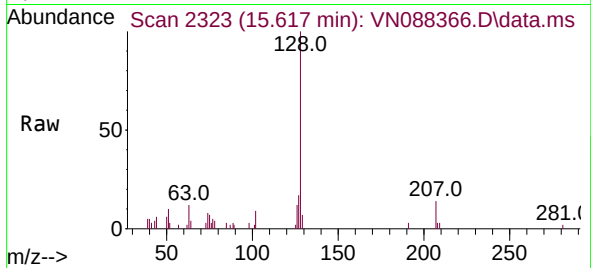
Ion	Ratio	Lower	Upper
225	100		
223	66.3	0.0	132.0
227	58.8	0.0	132.6





#91
Naphthalene
Concen: 1.796 ug/l
RT: 15.617 min Scan# 2322
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

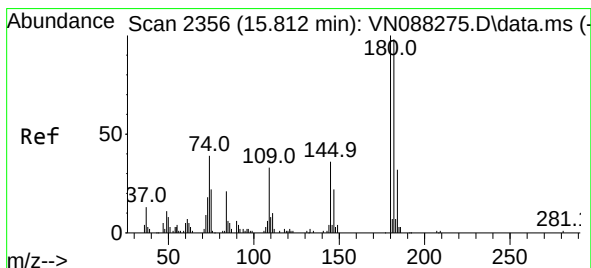
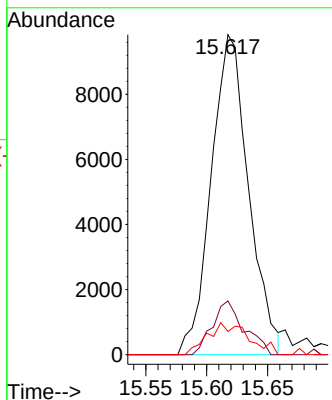
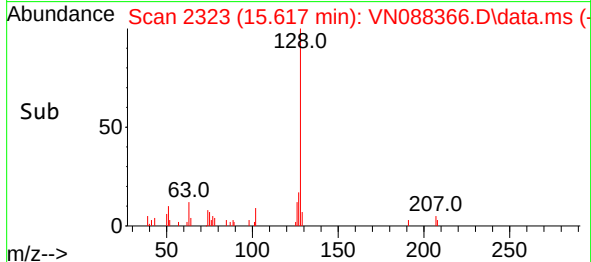
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:128 Resp: 20997
Ion Ratio Lower Upper
128 100
127 11.5 10.6 16.0
129 4.5 8.8 13.2

Manual Integrations
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Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



#92
1,2,3-Trichlorobenzene
Concen: 2.217 ug/l
RT: 15.817 min Scan# 2357
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion:180 Resp: 7166
Ion Ratio Lower Upper
180 100
182 88.1 0.0 193.2
145 33.7 0.0 75.6

