

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102025\
 Data File : VN088074.D
 Acq On : 20 Oct 2025 09:59
 Operator : JC\MD
 Sample : VN1020WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/21/2025
 Supervised By : Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 21 05:36:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 09 02:36:32 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	60658	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	347224	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	306757	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	154203	32.647	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.833%			
60) 4-Bromofluorobenzene	12.829	95	151279	29.914	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.700%			
63) Toluene-d8	10.547	98	421850	30.866	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	73964	21.289	ug/l	91
3) Chloromethane	2.383	50	75850	19.256	ug/l	99
4) Vinyl Chloride	2.536	62	82961	20.199	ug/l	96
5) Bromomethane	2.983	94	48866	22.126	ug/l	95
6) Chloroethane	3.136	64	57688	21.293	ug/l	100
7) Trichlorofluoromethane	3.512	101	131527	23.550	ug/l	99
8) Diethyl Ether	3.965	74	50400	19.972	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	63501	21.239	ug/l	99
10) 1,1-Dichloroethene	4.336	96	65198	20.443	ug/l	97
11) Methyl Iodide	4.577	142	50077	17.036	ug/l	89
12) Methyl Acetate	5.018	43	108849	20.994	ug/l #	86
13) Acrolein	4.177	56	99973	124.599	ug/l #	4
14) Acrylonitrile	5.706	53	232326	92.851	ug/l	99
15) Acetone	4.424	58	63959	87.284	ug/l	75
16) Carbon Disulfide	4.706	76	195044	19.508	ug/l	97
17) Allyl chloride	5.006	41	118771	19.735	ug/l	98
18) Methylene Chloride	5.265	84	77592	19.142	ug/l	95
19) trans-1,2-Dichloroethene	5.777	96	73354	19.893	ug/l #	85
20) Diisopropyl ether	6.659	45	268318	19.584	ug/l	98
21) 1,1-Dichloroethane	6.553	63	144161	20.212	ug/l	96
22) cis-1,2-Dichloroethene	7.471	96	88655	19.206	ug/l	96
23) tert-Butyl Alcohol	5.524	59	86655	86.352	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	256271	18.616	ug/l	97
25) Chloroform	7.947	83	146738	19.936	ug/l	99
26) Cyclohexane	8.235	56	120208	20.341	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	100127	20.118	ug/l	97
30) 2-Butanone	7.471	43	329983	89.895	ug/l	98
31) 2,2-Dichloropropane	7.471	77	131423	20.493	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	125108	20.117	ug/l	98
33) Carbon Tetrachloride	8.347	117	106345	20.415	ug/l	95
34) Benzene	8.588	78	314627	19.058	ug/l	98
35) Methacrylonitrile	7.759	41	68795	17.822	ug/l	95
36) 1,2-Dichloroethane	8.653	62	113983	19.888	ug/l	98
37) Trichloroethene	9.335	130	72163	18.450	ug/l	99
38) Methylcyclohexane	9.576	83	124458	20.249	ug/l	96
39) 1,2-Dichloropropane	9.600	63	79188	19.130	ug/l	99
40) Dibromomethane	9.688	93	58171	19.306	ug/l	93
41) Bromodichloromethane	9.865	83	119145	19.361	ug/l	95
42) Vinyl Acetate	6.588	43	1094358	87.512	ug/l	99

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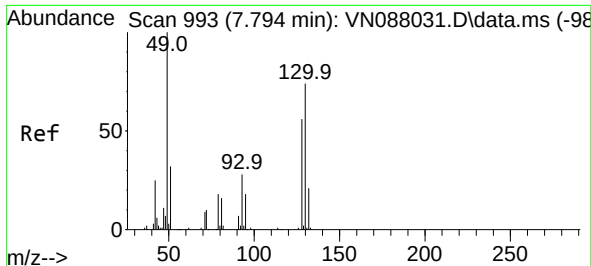
Manual Integrations
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 Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 21 05:36:07 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	135952	19.267	ug/l	97
44) Isopropyl Acetate	8.671	43	214453	18.608	ug/l	99
45) 1,4-Dioxane	9.682	88	28095	366.530	ug/l #	96
46) Methyl methacrylate	9.665	41	92930	18.310	ug/l	96
47) n-amyl Acetate	12.682	43	99158m	18.152	ug/l	
48) t-1,3-Dichloropropene	10.818	75	127369	18.613	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	132466	18.558	ug/l	91
50) 1,1,2-Trichloroethane	10.994	97	73749	18.482	ug/l	98
51) Ethyl methacrylate	10.859	69	117815	17.446	ug/l	94
52) 1,3-Dichloropropane	11.141	76	132164	18.984	ug/l	98
53) Dibromochloromethane	11.335	129	87083	18.255	ug/l	100
54) 1,2-Dibromoethane	11.447	107	76862	18.017	ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	340184	93.326	ug/l	98
56) Bromoform	12.559	173	55080	17.078	ug/l	99
58) 4-Methyl-2-Pentanone	10.423	43	647557	94.377	ug/l	97
59) 2-Hexanone	11.176	43	414009	91.389	ug/l	100
61) Tetrachloroethene	11.082	164	57113	18.385	ug/l	92
62) Toluene	10.612	91	334718	19.236	ug/l	99
64) Chlorobenzene	11.870	112	209748	18.872	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.941	131	72283	18.872	ug/l	98
66) Ethyl Benzene	11.941	91	369603	19.535	ug/l	99
67) m/p-Xylenes	12.047	106	275804	37.812	ug/l	94
68) o-Xylene	12.376	106	137312	18.911	ug/l	96
69) Styrene	12.388	104	224496	18.690	ug/l	98
70) Isopropylbenzene	12.676	105	349264	19.626	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.917	83	115517	19.146	ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	116390m	20.771	ug/l	
73) Bromobenzene	12.959	156	78124	17.961	ug/l	90
74) n-propylbenzene	13.011	91	439192	20.443	ug/l	97
75) 2-Chlorotoluene	13.100	91	261846	19.933	ug/l	96
76) 1,3,5-Trimethylbenzene	13.153	105	295100	19.521	ug/l	96
77) t-1,4-Dichloro-2-butene	12.717	75	38288	17.146	ug/l	90
78) 4-Chlorotoluene	13.200	91	269022	20.158	ug/l	96
79) tert-butylbenzene	13.411	119	263204	20.085	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	291408	19.256	ug/l	98
81) sec-Butylbenzene	13.594	105	379108	20.576	ug/l	98
82) p-Isopropyltoluene	13.706	119	311744	19.817	ug/l	98
83) 1,3-Dichlorobenzene	13.711	146	156199	19.086	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	158769	18.811	ug/l	99
85) n-Butylbenzene	14.035	91	305551	20.878	ug/l	98
86) Hexachloroethane	14.311	117	62227	19.746	ug/l	87
87) 1,2-Dichlorobenzene	14.082	146	148277	18.420	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	27191	19.623	ug/l	89
89) 1,2,4-Trichlorobenzene	15.811	180	83563	17.428	ug/l	98
90) Hexachlorobutadiene	15.476	225	31500	18.876	ug/l	96
91) Naphthalene	15.611	128	309283	17.619	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	83563	17.428	ug/l	98

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



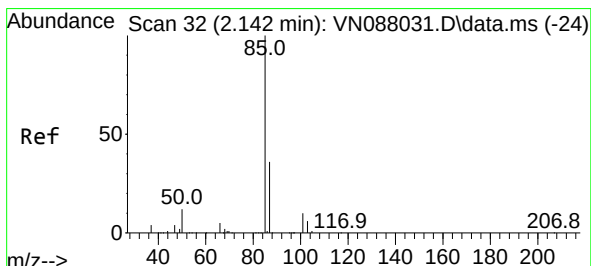
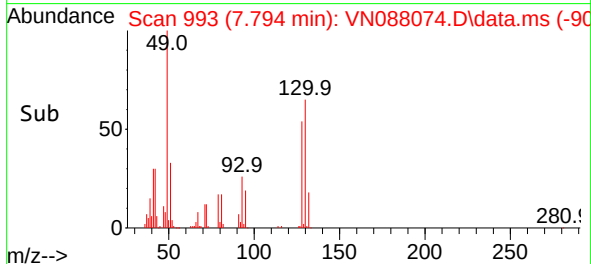
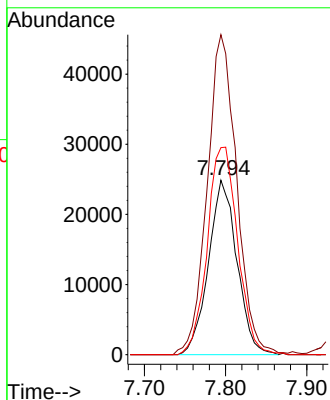
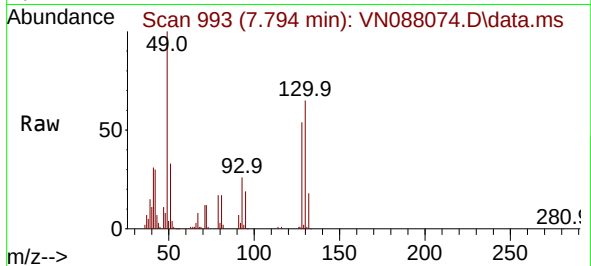
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

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VN1020WBSD01

Tgt Ion:128 Resp: 60658
Ion Ratio Lower Upper
128 100
49 189.8 0.0 439.8
130 127.1 0.0 325.8

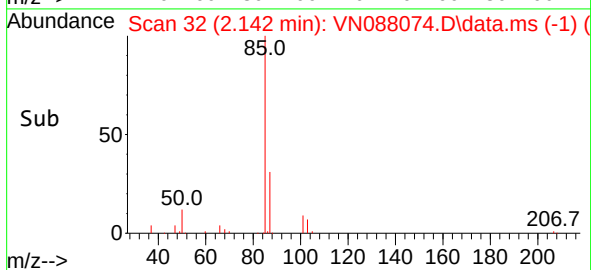
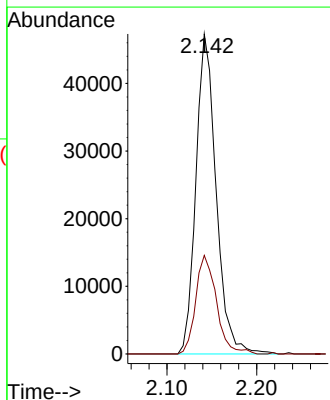
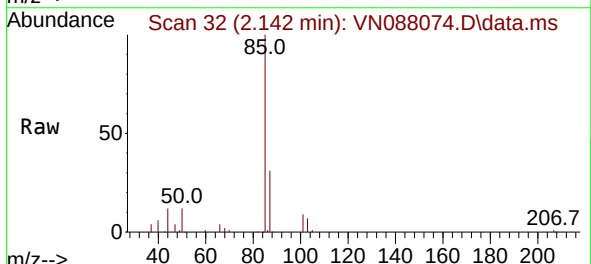
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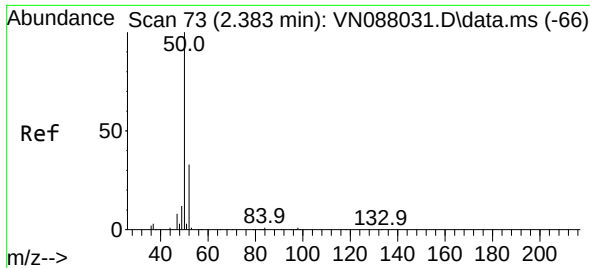
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#2
Dichlorodifluoromethane
Concen: 21.289 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

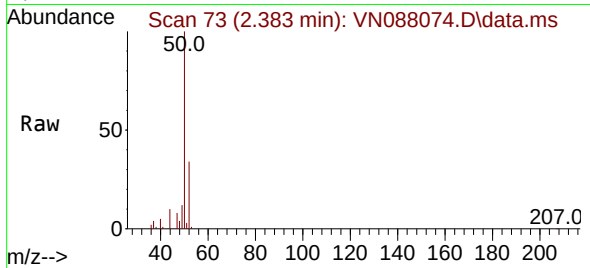
Tgt Ion: 85 Resp: 73964
Ion Ratio Lower Upper
85 100
87 30.8 17.9 53.8





#3
Chloromethane
Concen: 19.256 ug/l
RT: 2.383 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

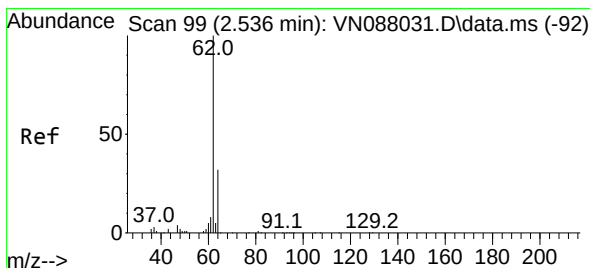
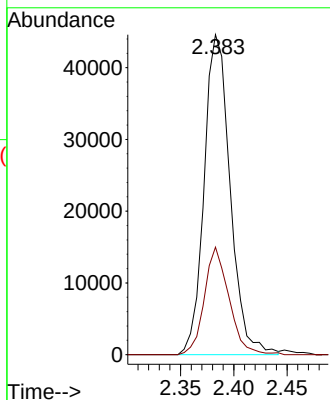
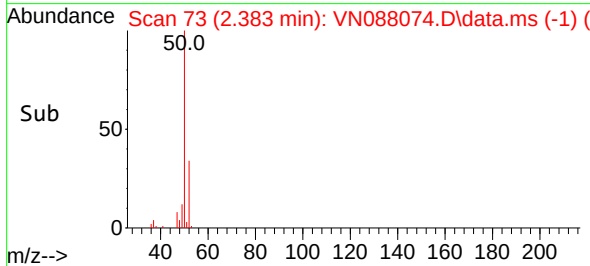
Instrument :
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VN1020WBSD01



Tgt Ion: 50 Resp: 75850
Ion Ratio Lower Upper
50 100
52 33.6 26.3 39.5

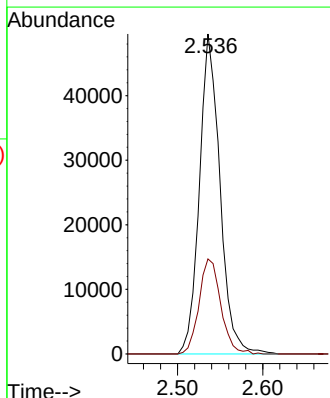
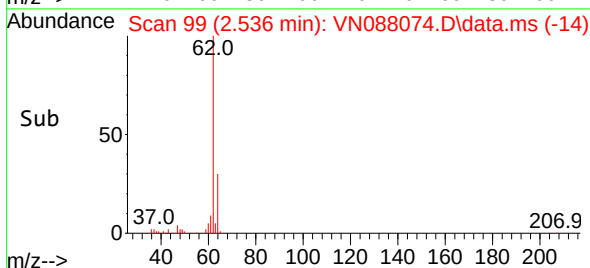
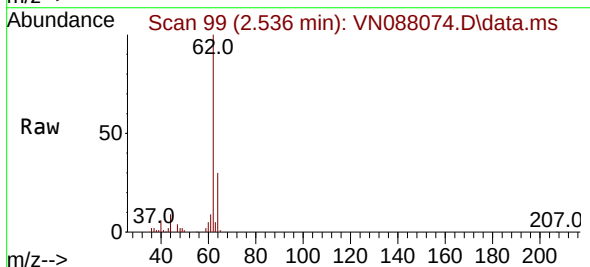
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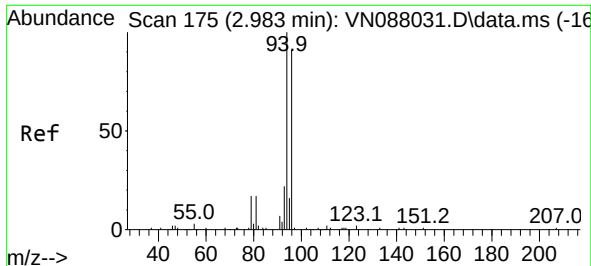
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#4
Vinyl Chloride
Concen: 20.199 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

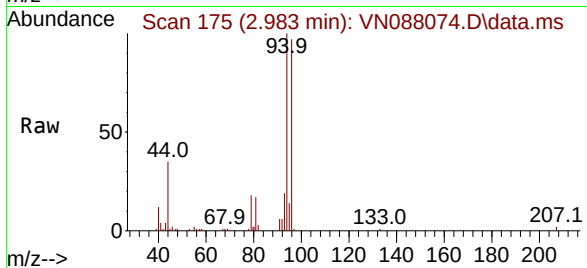
Tgt Ion: 62 Resp: 82961
Ion Ratio Lower Upper
62 100
64 29.7 25.7 38.5





#5
Bromomethane
Concen: 22.126 ug/l
RT: 2.983 min Scan# 175
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

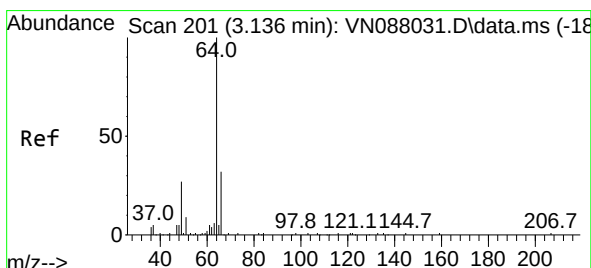
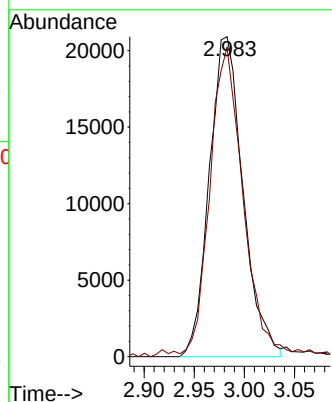
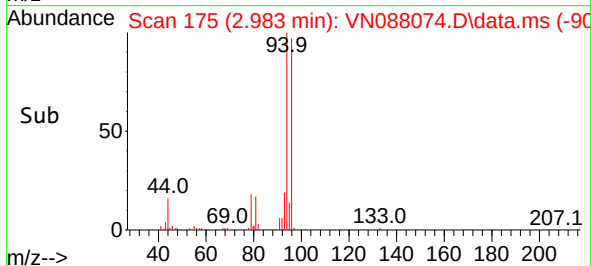
Instrument :
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ClientSampleId :
VN1020WBSD01



Tgt Ion: 94 Resp: 48860
Ion Ratio Lower Upper
94 100
96 95.8 73.0 109.4

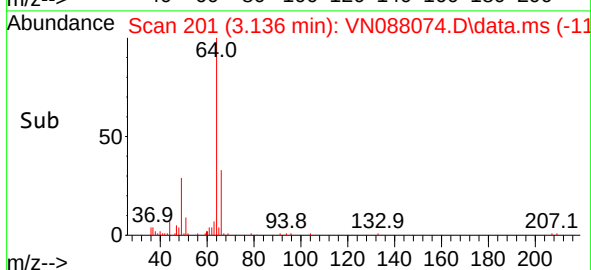
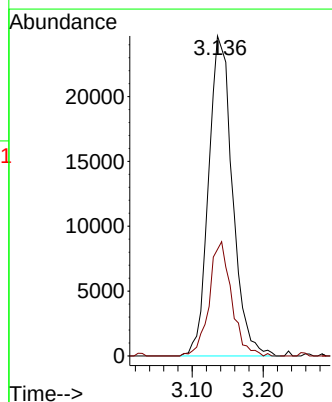
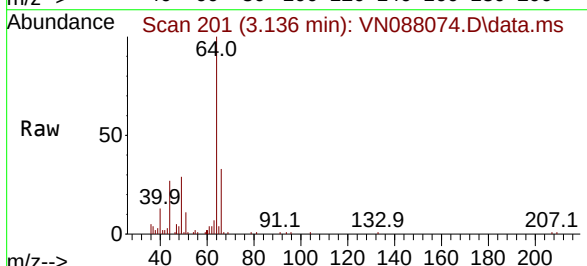
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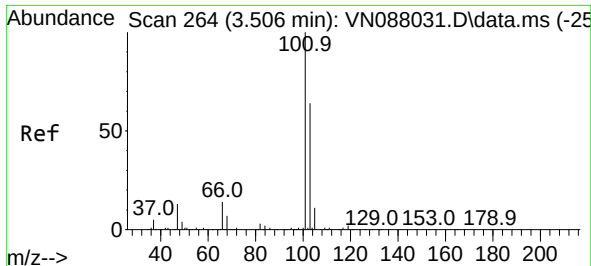
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#6
Chloroethane
Concen: 21.293 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Tgt Ion: 64 Resp: 57688
Ion Ratio Lower Upper
64 100
66 33.3 26.8 40.2





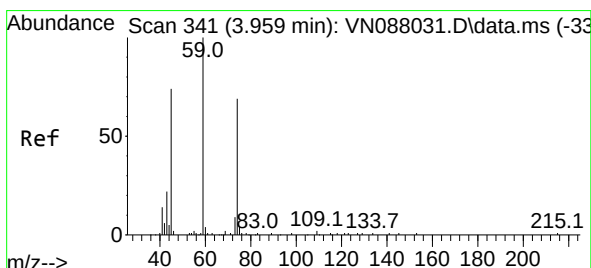
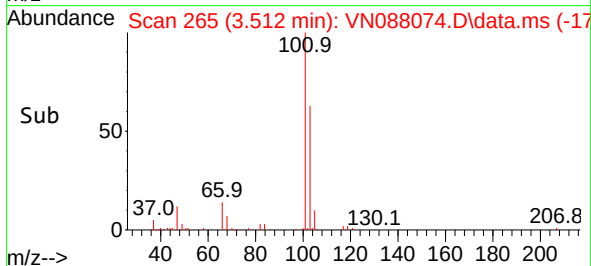
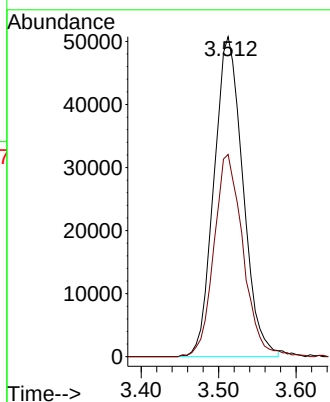
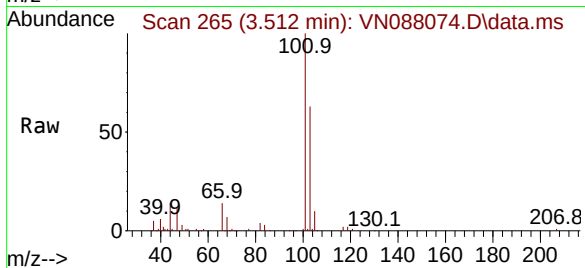
#7
 Trichlorofluoromethane
 Concen: 23.550 ug/l
 RT: 3.512 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN088074.D
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Instrument :
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Tgt Ion:101 Resp: 13152
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.0 76.4

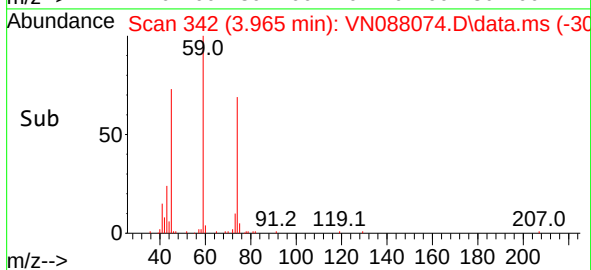
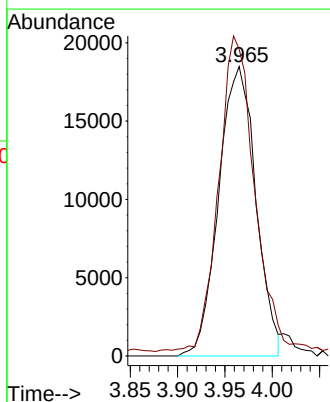
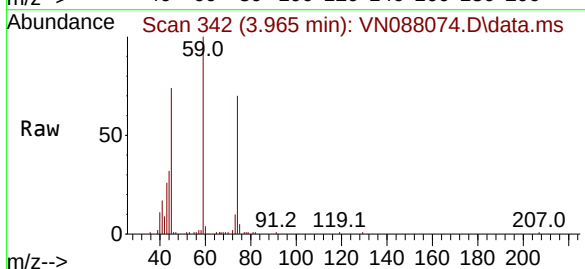
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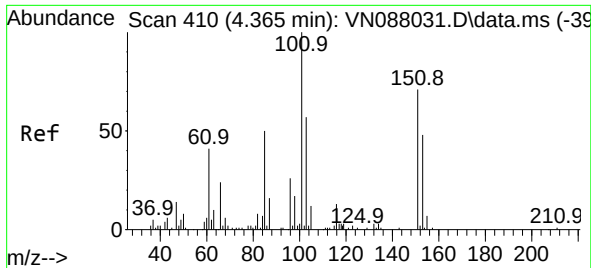
Reviewed By :John Carlone 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025



#8
 Diethyl Ether
 Concen: 19.972 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.006 min
 Lab File: VN088074.D
 Acq: 20 Oct 2025 09:59

Tgt Ion: 74 Resp: 50400
 Ion Ratio Lower Upper
 74 100
 45 100.1 20.4 183.8





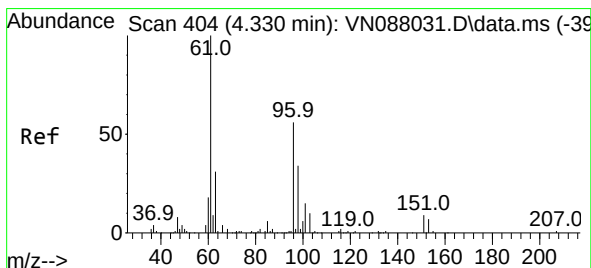
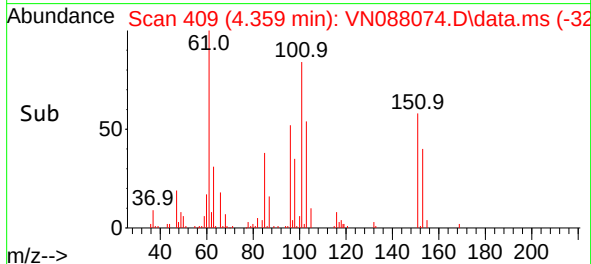
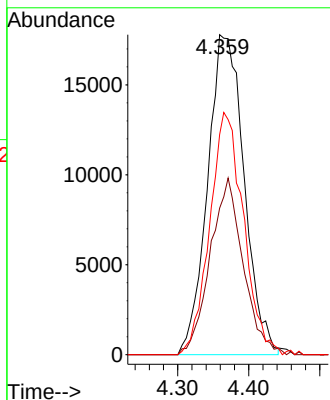
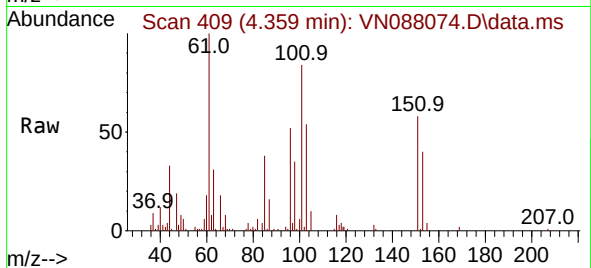
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1,1,2-Trichlorotrifluoroethane
Concen: 21.239 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01

Tgt Ion:101 Resp: 6350
Ion Ratio Lower Upper
101 100
85 49.9 0.0 103.2
151 70.1 0.0 141.4

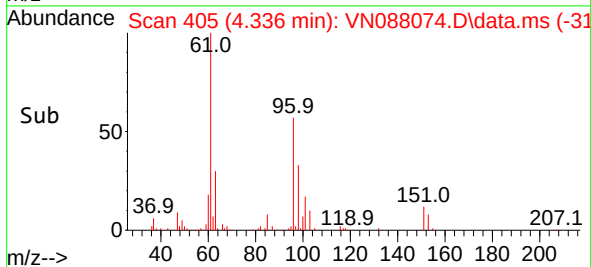
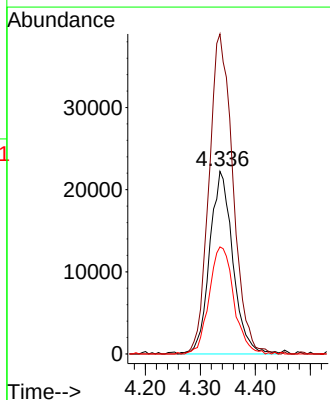
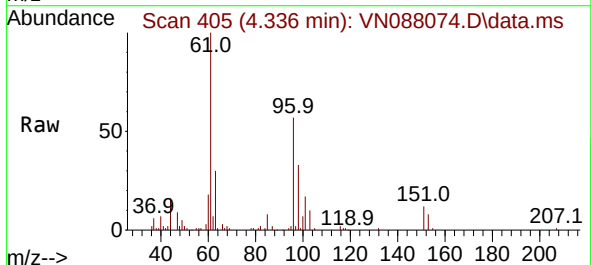
Manual Integrations
APPROVED

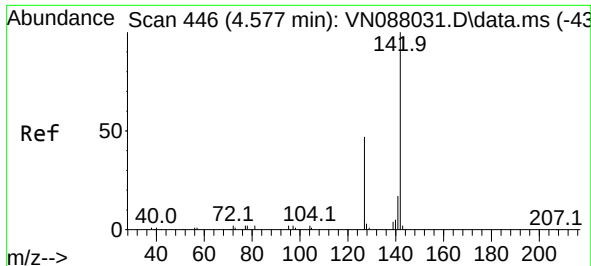
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#10
1,1-Dichloroethene
Concen: 20.443 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

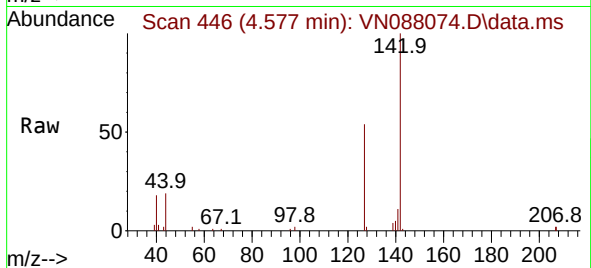
Tgt Ion: 96 Resp: 65198
Ion Ratio Lower Upper
96 100
61 175.3 144.1 216.1
98 58.6 49.0 73.6





#11
Methyl Iodide
Concen: 17.036 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

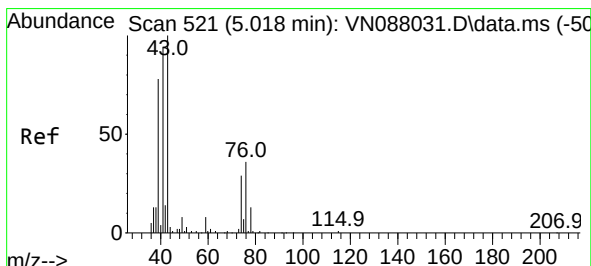
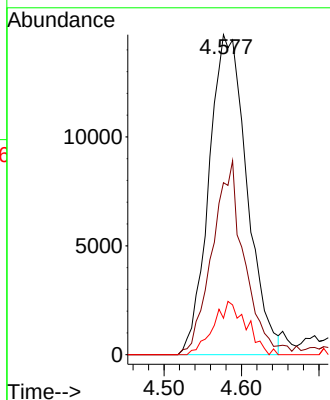
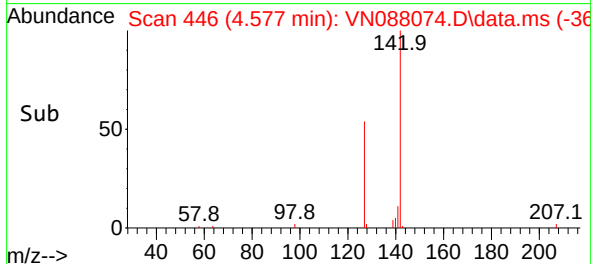
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



Tgt Ion:142 Resp: 5007
Ion Ratio Lower Upper
142 100
127 54.0 23.4 70.3
141 11.7 8.8 26.2

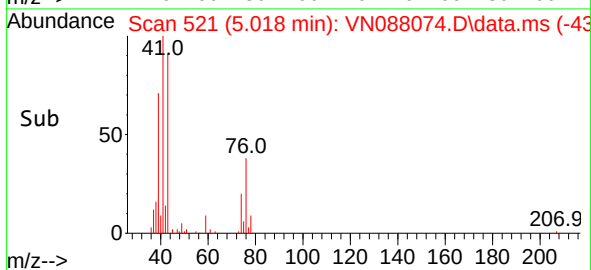
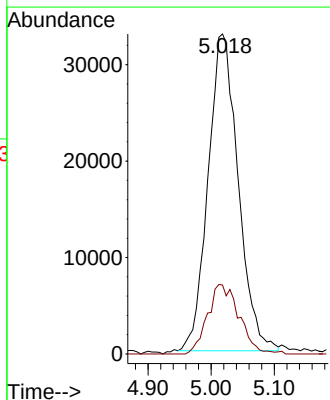
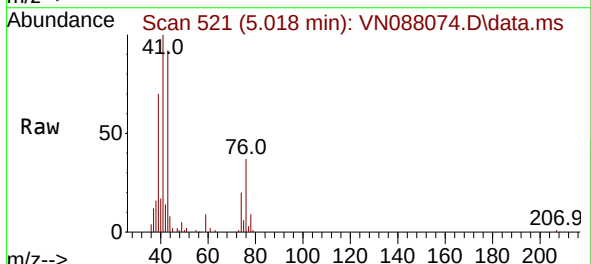
Manual Integrations
APPROVED

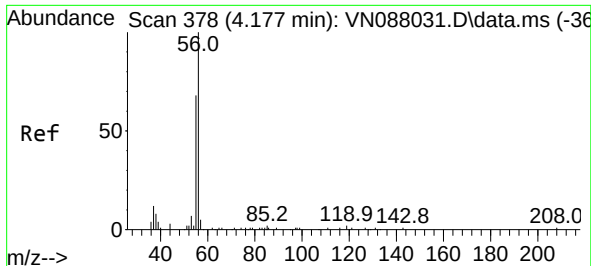
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#12
Methyl Acetate
Concen: 20.994 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Tgt Ion: 43 Resp: 108849
Ion Ratio Lower Upper
43 100
74 21.6 23.3 34.9#





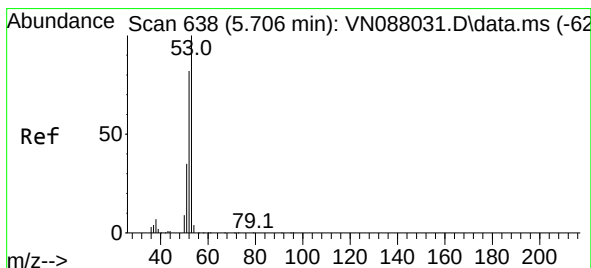
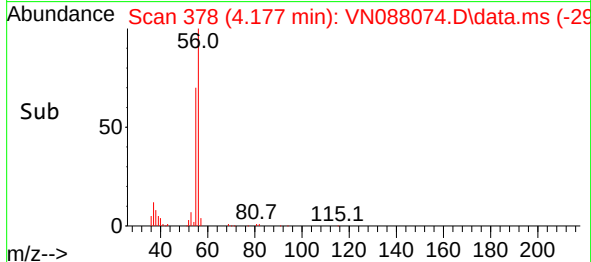
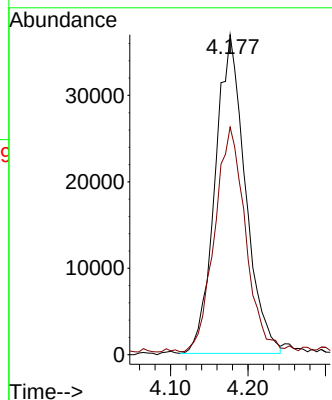
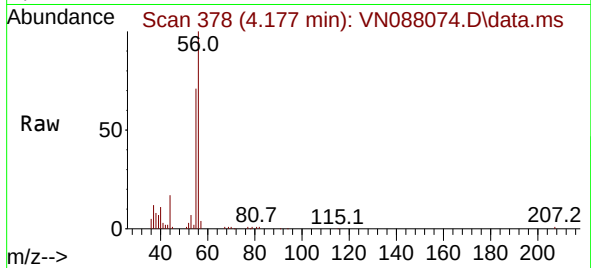
#13
Acrolein
Concen: 124.599 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01

Tgt Ion: 56 Resp: 9997
Ion Ratio Lower Upper
56 100
55 72.5 0.3 0.5

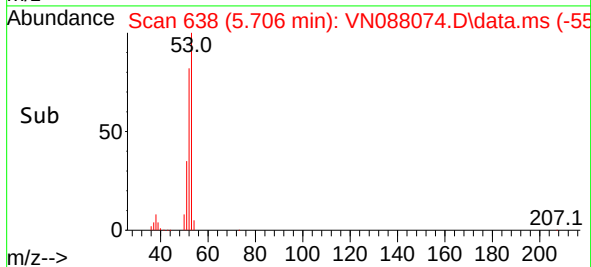
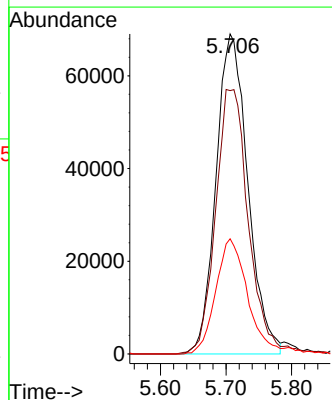
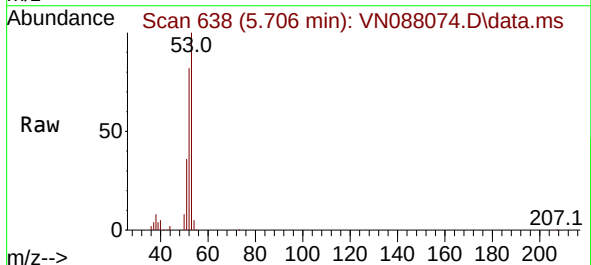
Manual Integrations
APPROVED

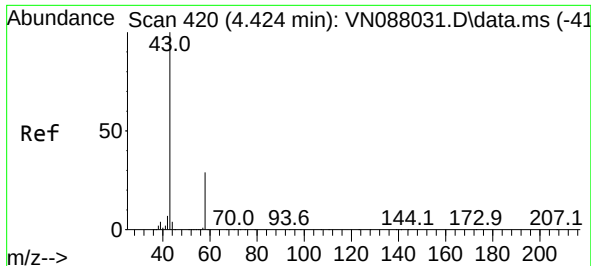
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#14
Acrylonitrile
Concen: 92.851 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Tgt Ion: 53 Resp: 232326
Ion Ratio Lower Upper
53 100
52 84.4 41.3 124.1
51 35.8 18.0 54.0





#15

Acetone

Concen: 87.284 ug/l

RT: 4.424 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN088074.D

Acq: 20 Oct 2025 09:59

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD01

Tgt Ion: 58 Resp: 6395

Ion Ratio Lower Upper

58 100

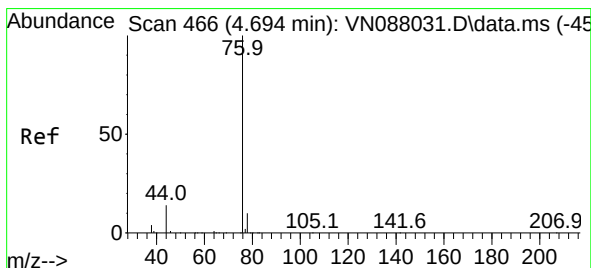
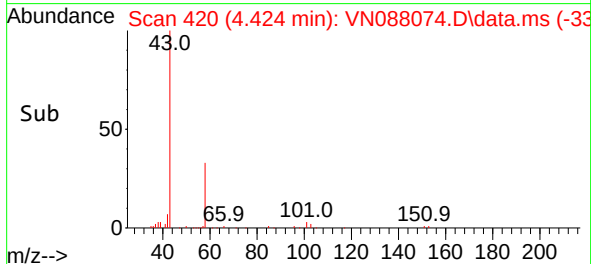
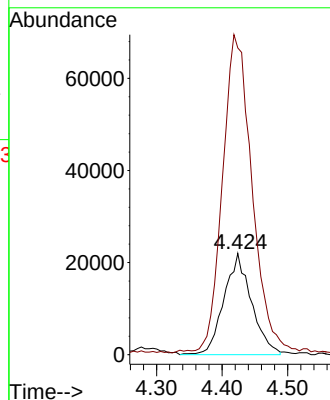
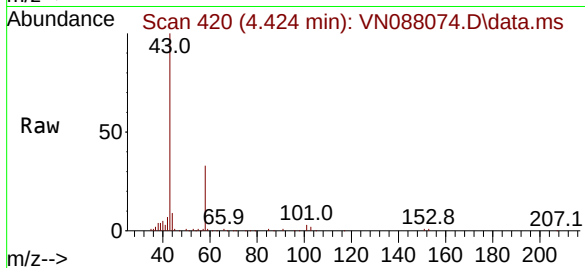
43 298.5 282.6 424.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/21/2025

Supervised By :Semsettin Yesilyurt 10/21/2025



#16

Carbon Disulfide

Concen: 19.508 ug/l

RT: 4.706 min Scan# 468

Delta R.T. 0.012 min

Lab File: VN088074.D

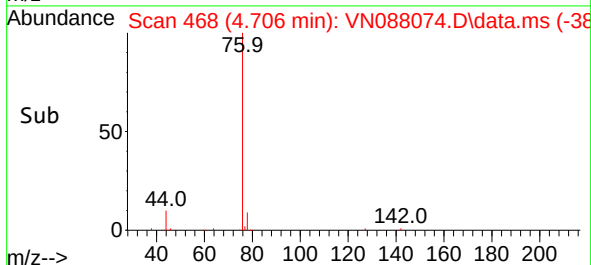
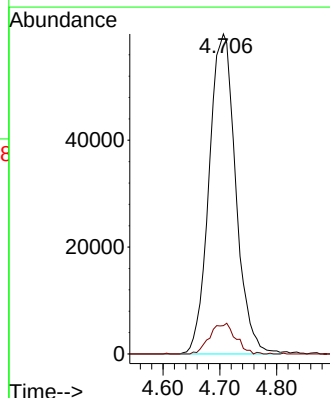
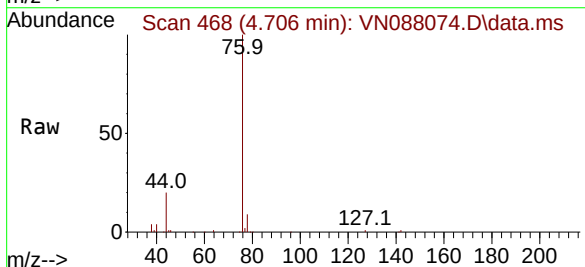
Acq: 20 Oct 2025 09:59

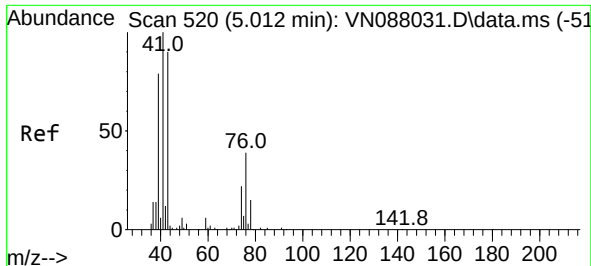
Tgt Ion: 76 Resp: 195044

Ion Ratio Lower Upper

76 100

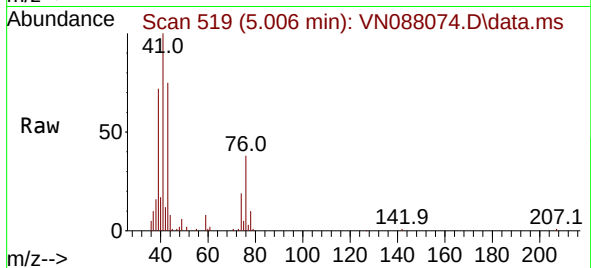
78 8.8 7.8 11.8





#17
Allyl chloride
Concen: 19.735 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

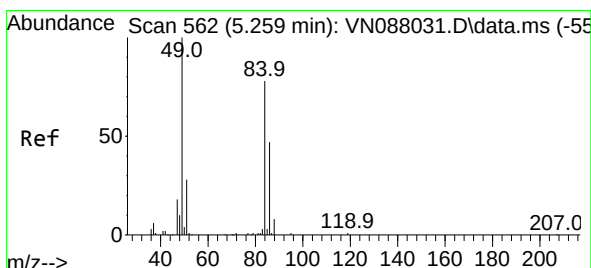
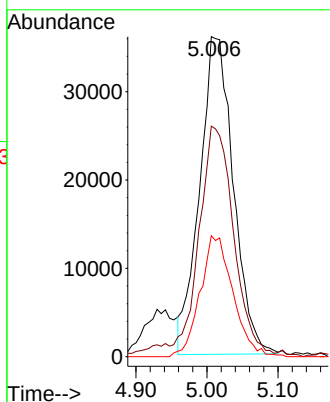
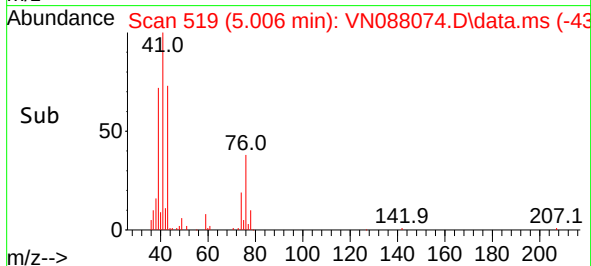
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



Tgt Ion: 41 Resp: 11877
Ion Ratio Lower Upper
41 100
39 72.3 36.4 109.2
76 38.1 18.1 54.1

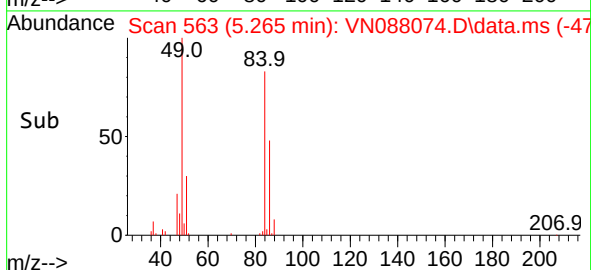
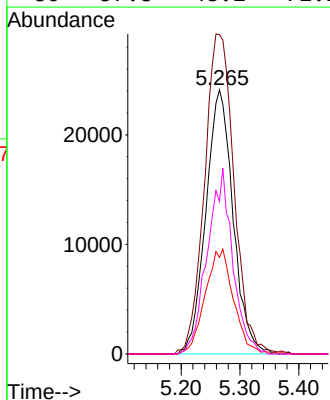
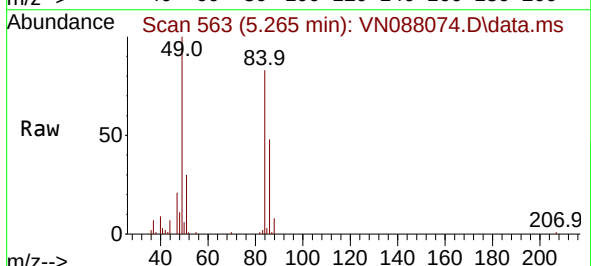
Manual Integrations
APPROVED

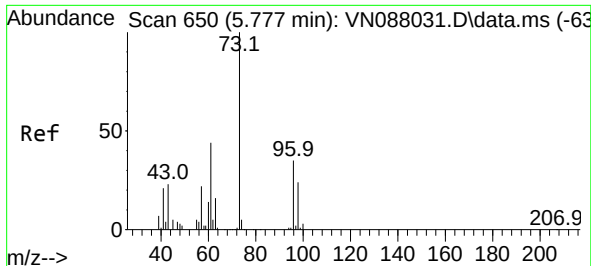
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#18
Methylene Chloride
Concen: 19.142 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

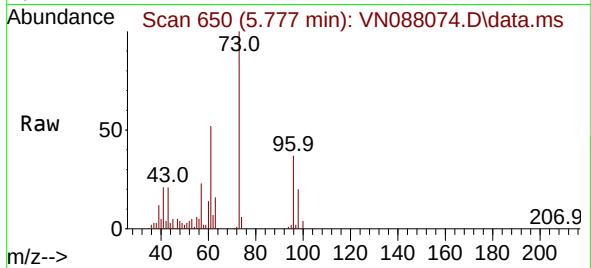
Tgt Ion: 84 Resp: 77592
Ion Ratio Lower Upper
84 100
49 120.2 102.6 153.8
51 36.5 28.6 42.8
86 57.8 48.2 72.2





#19
trans-1,2-Dichloroethene
Concen: 19.893 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

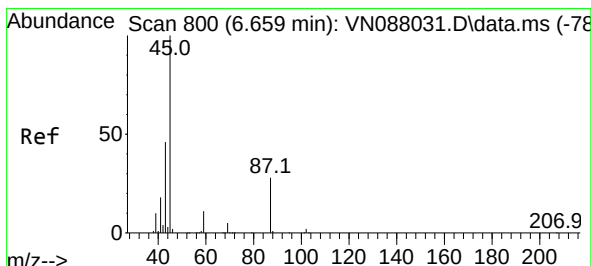
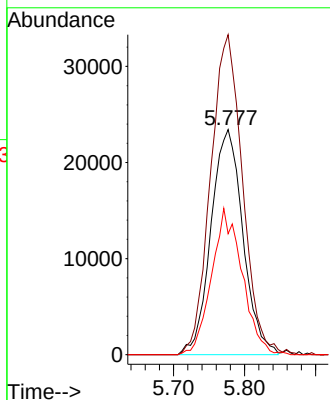
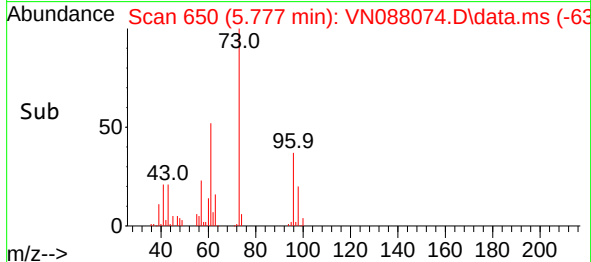
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



Tgt Ion: 96 Resp: 73354
Ion Ratio Lower Upper
96 100
61 142.1 100.6 151.0
98 53.7 54.0 81.0

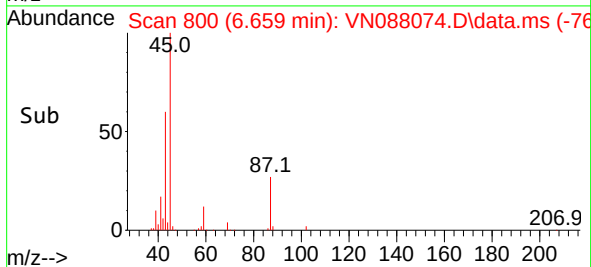
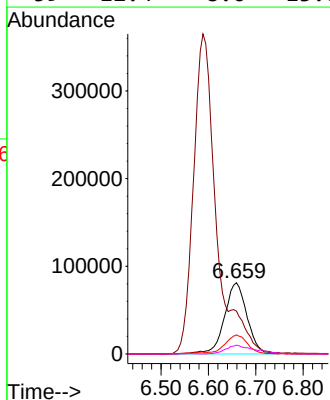
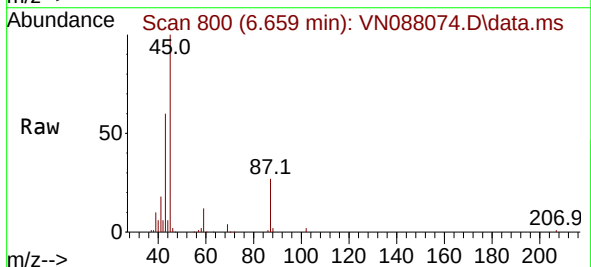
Manual Integrations
APPROVED

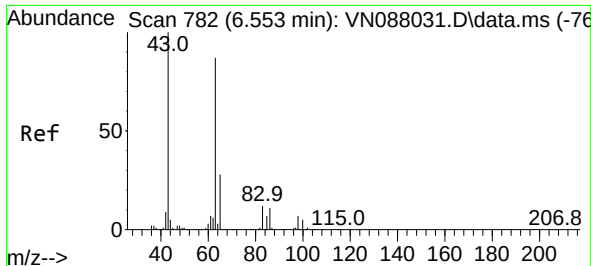
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#20
Diisopropyl ether
Concen: 19.584 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

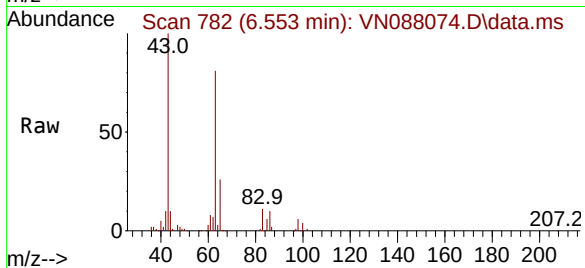
Tgt Ion: 45 Resp: 268318
Ion Ratio Lower Upper
45 100
43 58.1 46.1 69.1
87 26.8 22.3 33.5
59 12.4 8.6 13.0





#21
1,1-Dichloroethane
Concen: 20.212 ug/l
RT: 6.553 min Scan# 782
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

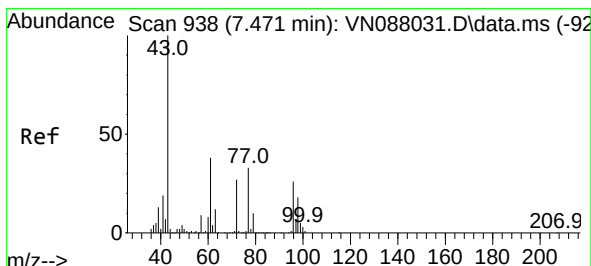
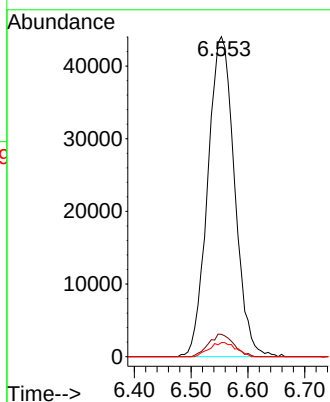
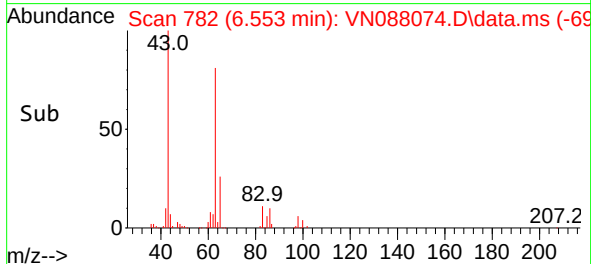
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



Tgt Ion: 63 Resp: 14416
Ion Ratio Lower Upper
63 100
98 7.0 4.3 12.8
100 4.4 2.6 8.0

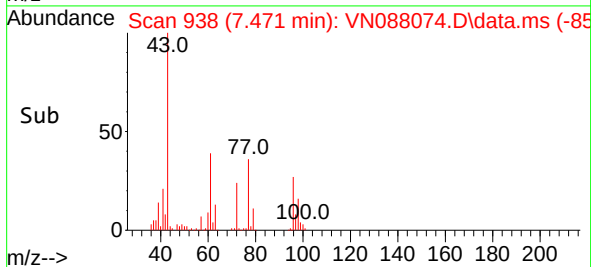
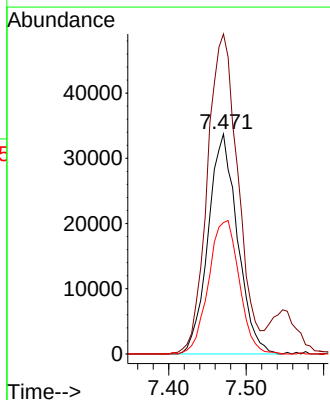
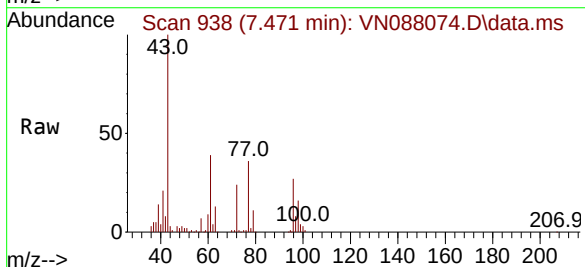
Manual Integrations
APPROVED

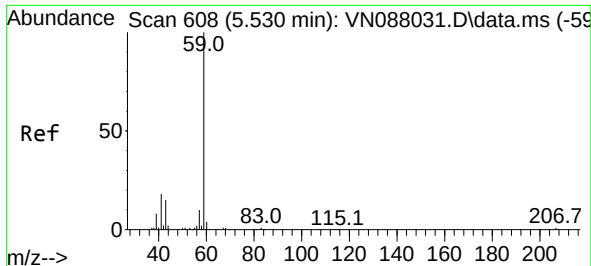
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#22
cis-1,2-Dichloroethene
Concen: 19.206 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Tgt Ion: 96 Resp: 88655
Ion Ratio Lower Upper
96 100
61 151.5 117.0 175.6
98 63.4 52.6 79.0





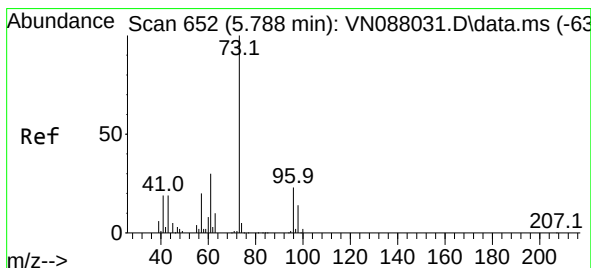
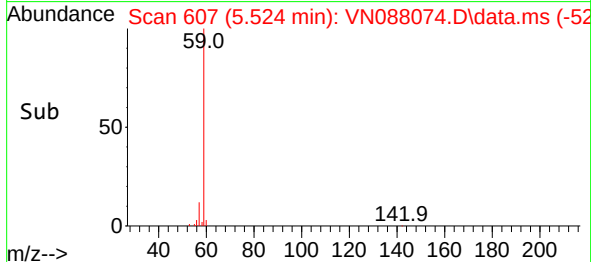
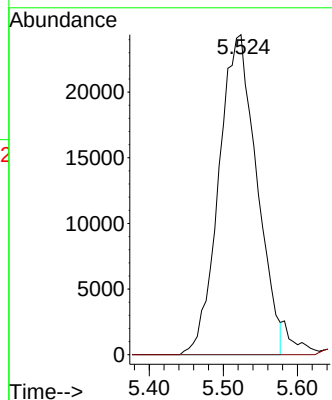
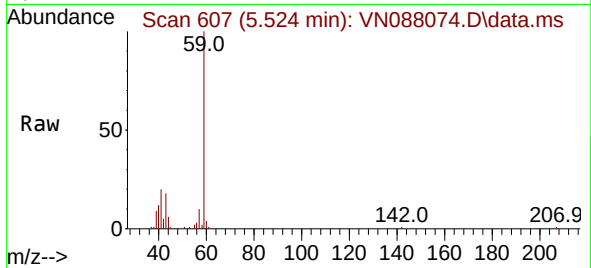
#23
tert-Butyl Alcohol
Concen: 86.352 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01

Tgt Ion: 59 Resp: 8665
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

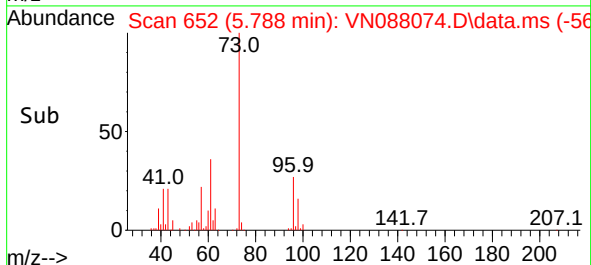
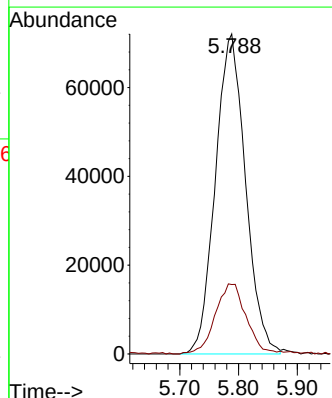
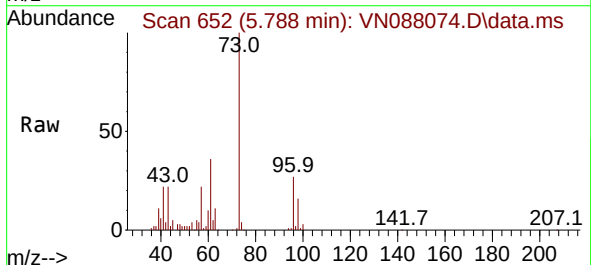
Manual Integrations
APPROVED

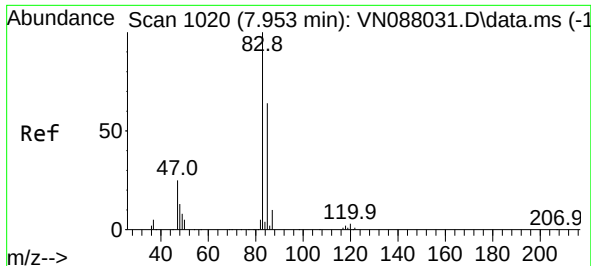
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#24
Methyl tert-Butyl Ether
Concen: 18.616 ug/l
RT: 5.788 min Scan# 652
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

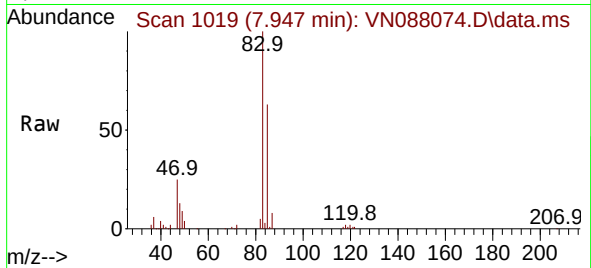
Tgt Ion: 73 Resp: 256271
Ion Ratio Lower Upper
73 100
43 22.6 17.0 25.4





#25
Chloroform
Concen: 19.936 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

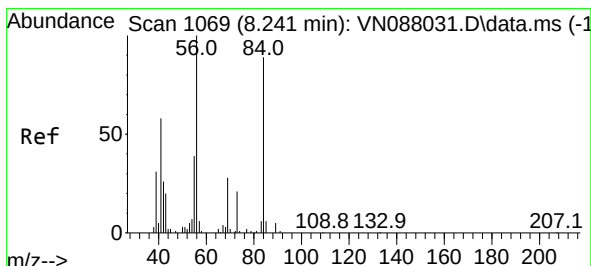
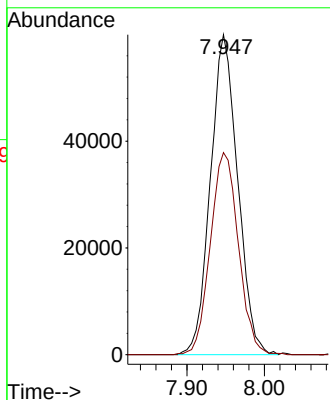
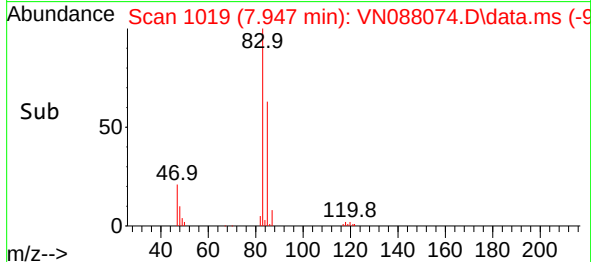
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



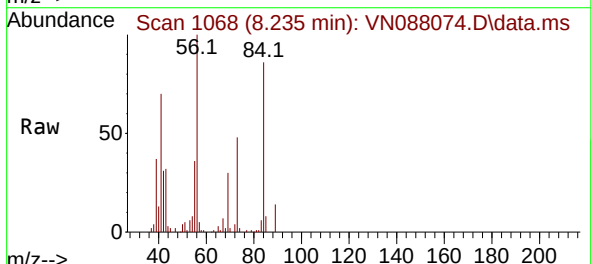
Tgt Ion: 83 Resp: 146738
Ion Ratio Lower Upper
83 100
85 62.8 50.9 76.3

Manual Integrations
APPROVED

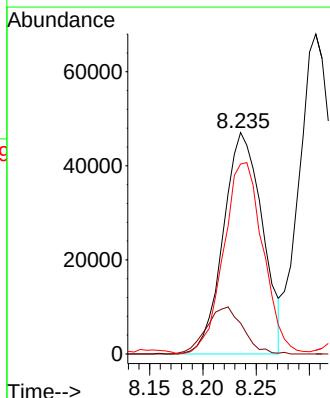
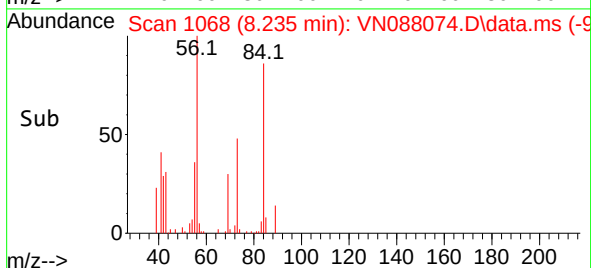
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

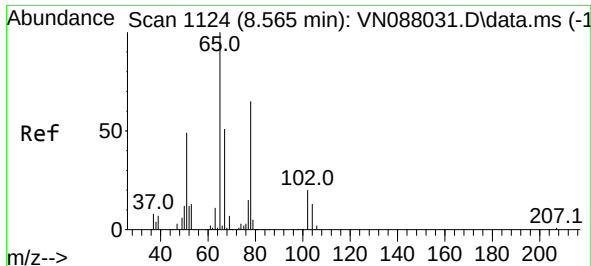


#26
Cyclohexane
Concen: 20.341 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59



Tgt Ion: 56 Resp: 120208
Ion Ratio Lower Upper
56 100
89 19.8 8.6 12.8#
84 87.2 69.6 104.4





#27

1,2-Dichloroethane-d4

Concen: 32.647 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN088074.D

Acq: 20 Oct 2025 09:59

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD01

Tgt Ion: 65 Resp: 15420

Ion Ratio Lower Upper

65 100

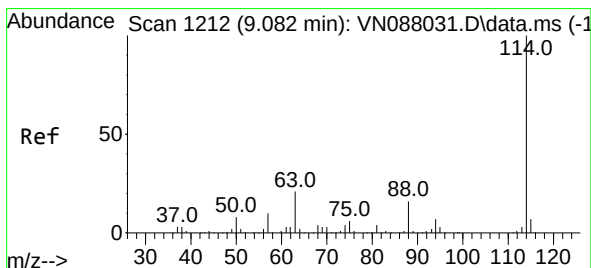
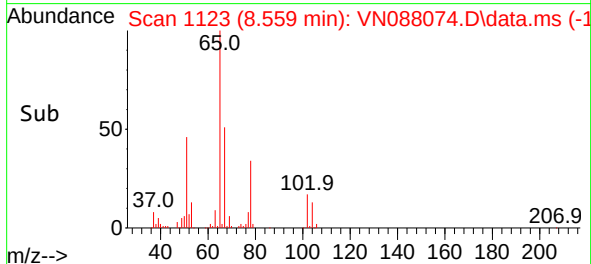
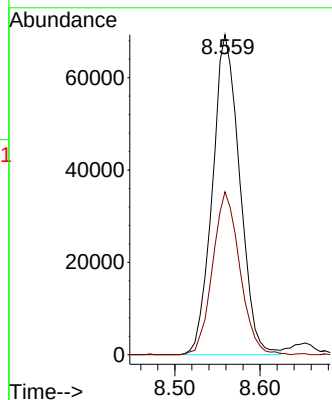
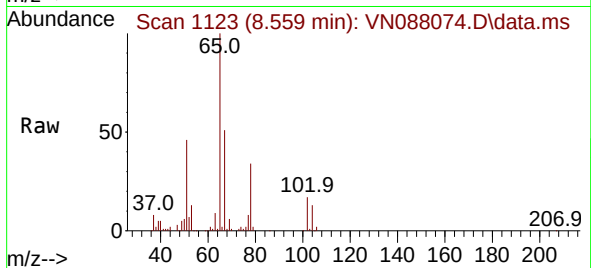
67 50.7 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/21/2025

Supervised By :Semsettin Yesilyurt 10/21/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088074.D

Acq: 20 Oct 2025 09:59

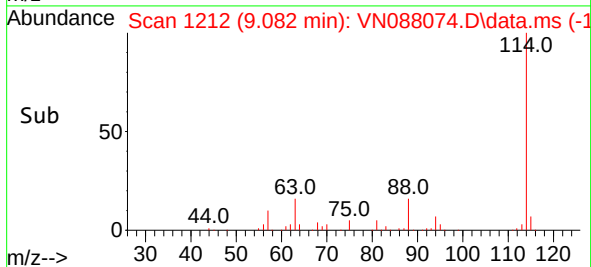
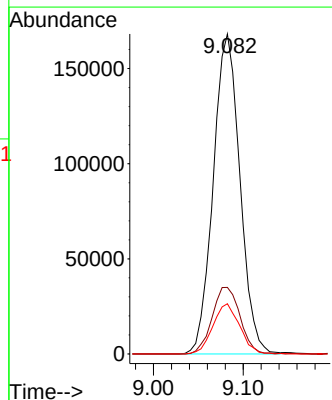
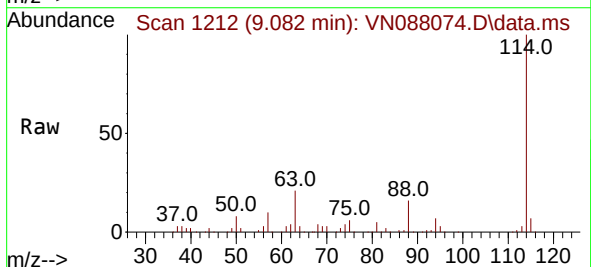
Tgt Ion:114 Resp: 347224

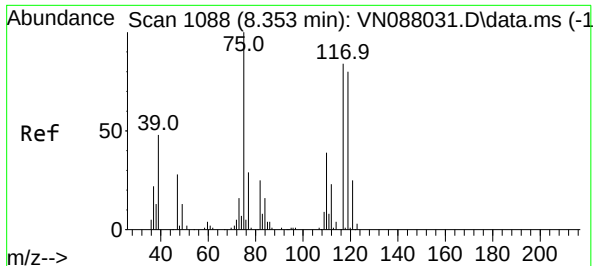
Ion Ratio Lower Upper

114 100

63 21.8 16.6 25.0

88 15.7 12.6 18.8





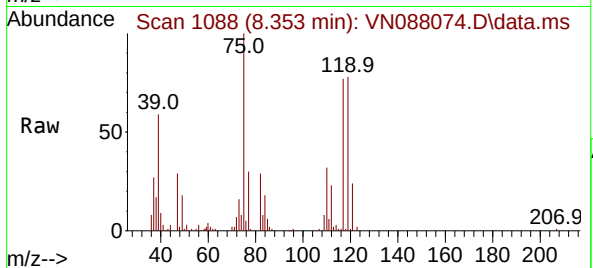
#29
1,1-Dichloropropene
Concen: 20.118 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD01



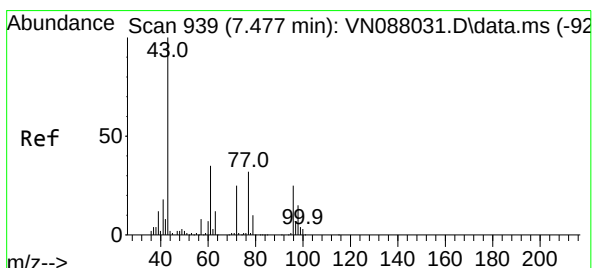
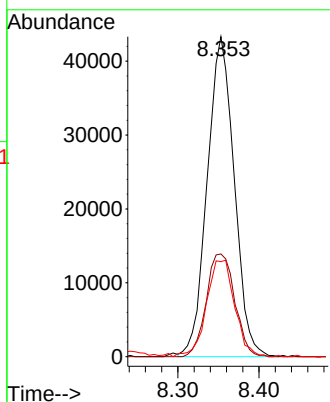
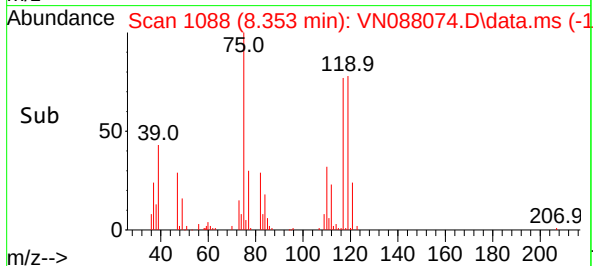
Tgt Ion: 75 Resp: 100127
Ion Ratio Lower Upper
75 100
110 33.7 0.0 72.2
77 31.4 0.0 60.6

Manual Integrations

APPROVED

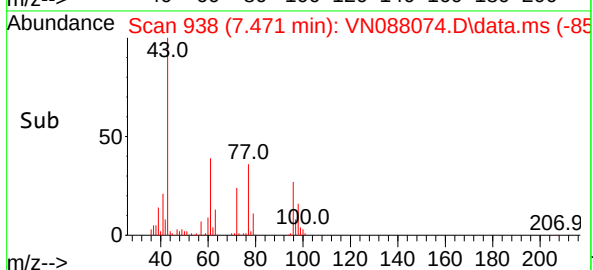
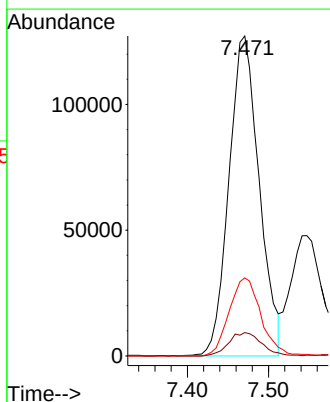
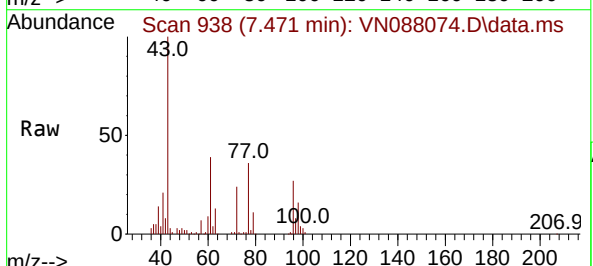
Reviewed By :John Carlone 10/21/2025

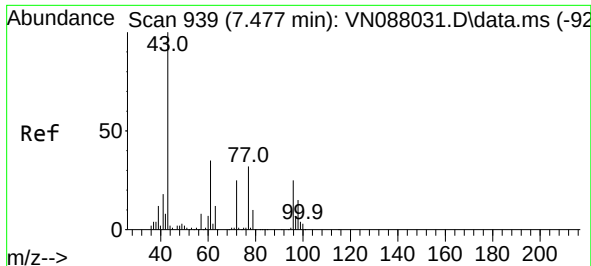
Supervised By :Semsettin Yesilyurt 10/21/2025



#30
2-Butanone
Concen: 89.895 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

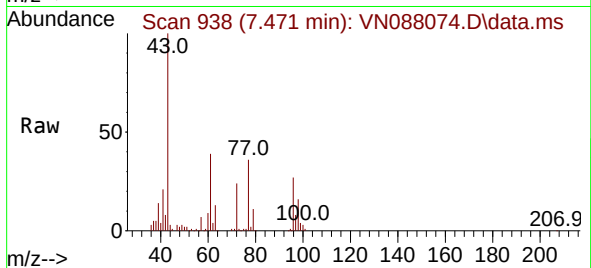
Tgt Ion: 43 Resp: 329983
Ion Ratio Lower Upper
43 100
57 7.9 6.5 9.7
72 25.4 21.4 32.2





#31
2,2-Dichloropropane
Concen: 20.493 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

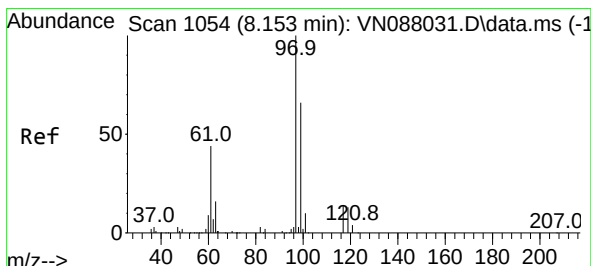
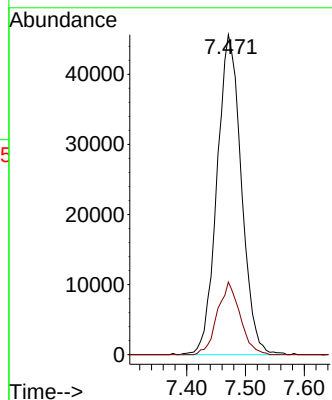
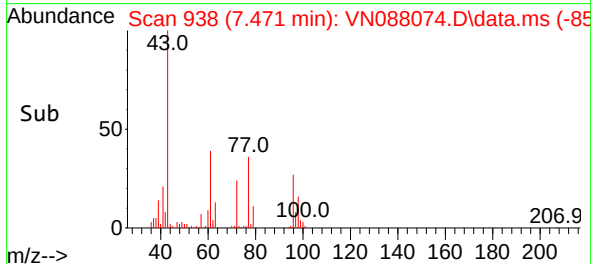
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



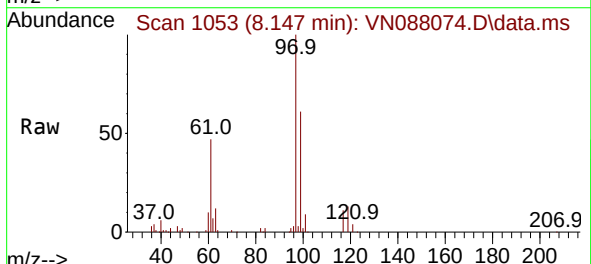
Tgt Ion: 77 Resp: 13142
Ion Ratio Lower Upper
77 100
97 21.1 17.8 26.8

Manual Integrations
APPROVED

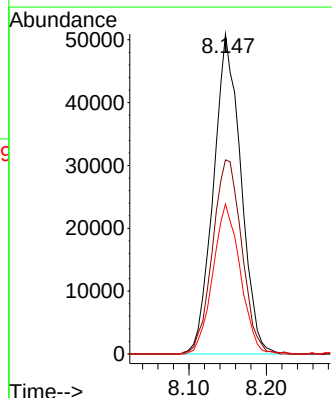
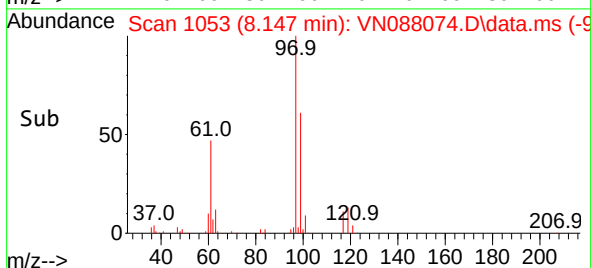
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

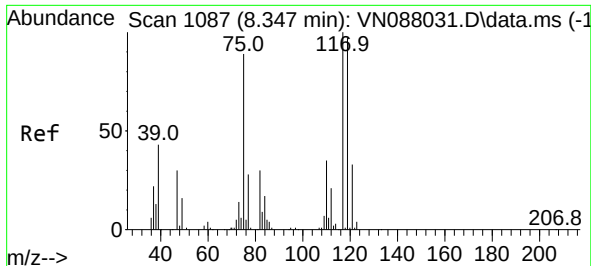


#32
1,1,1-Trichloroethane
Concen: 20.117 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59



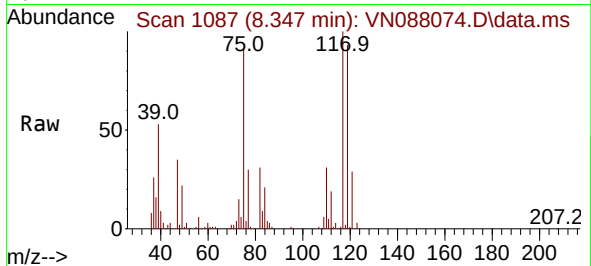
Tgt Ion: 97 Resp: 125108
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.2
61 46.6 34.7 52.1





#33
Carbon Tetrachloride
Concen: 20.415 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

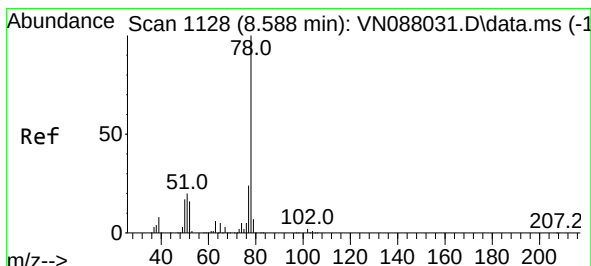
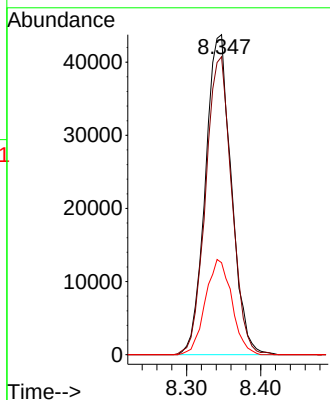
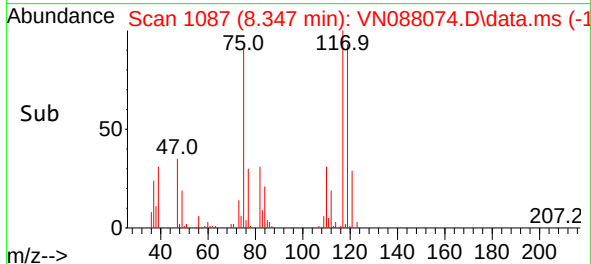
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



Tgt Ion:117 Resp: 106349
Ion Ratio Lower Upper
117 100
119 93.1 77.9 116.9
121 28.8 26.4 39.6

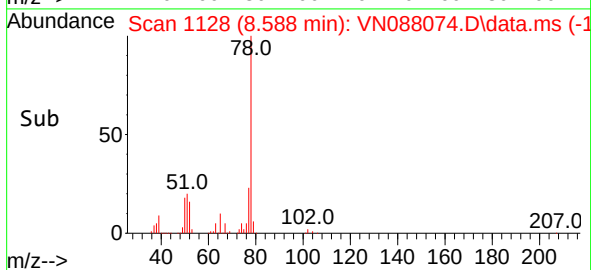
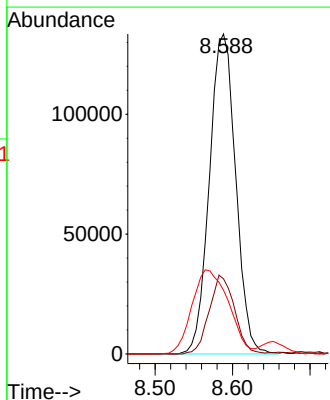
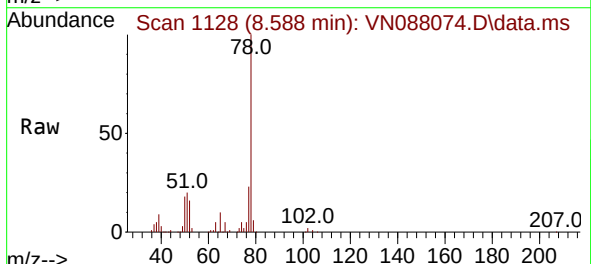
Manual Integrations
APPROVED

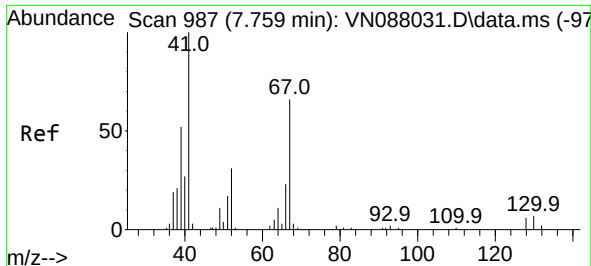
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#34
Benzene
Concen: 19.058 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

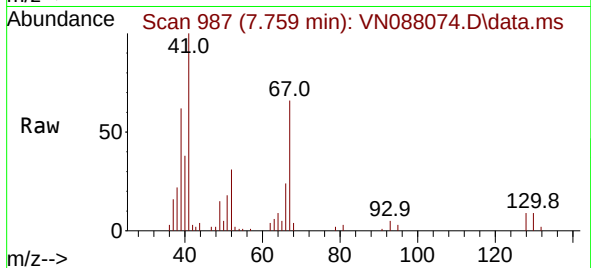
Tgt Ion: 78 Resp: 314627
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3
51 17.4 15.6 23.4





#35
Methacrylonitrile
Concen: 17.822 ug/l
RT: 7.759 min Scan# 987
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

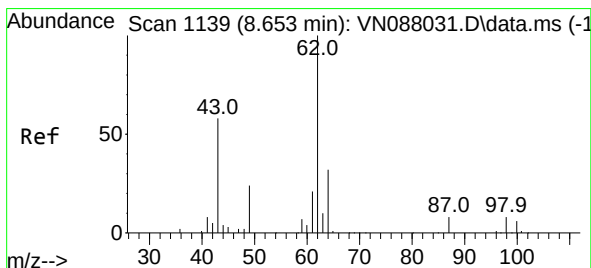
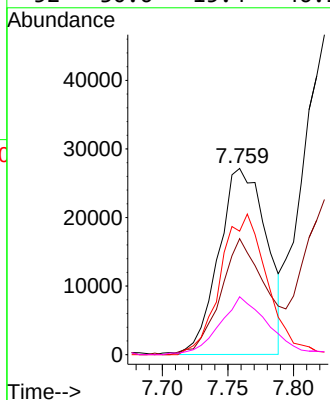
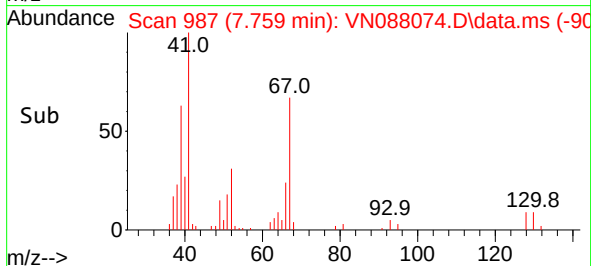
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



Tgt Ion: 41 Resp: 68795
Ion Ratio Lower Upper
41 100
39 61.5 26.1 78.3
67 66.8 33.1 99.2
52 30.6 15.4 46.1

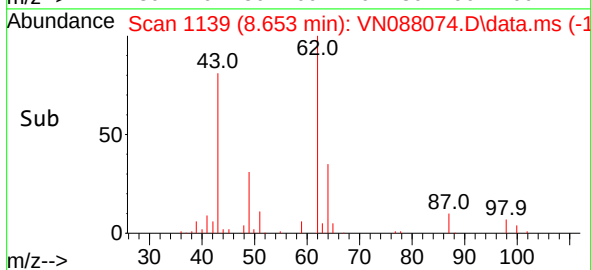
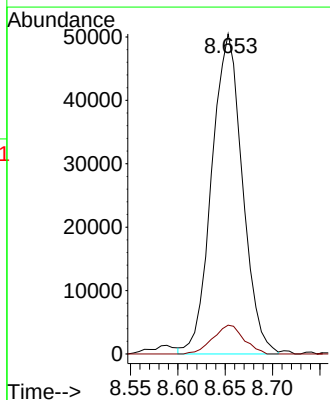
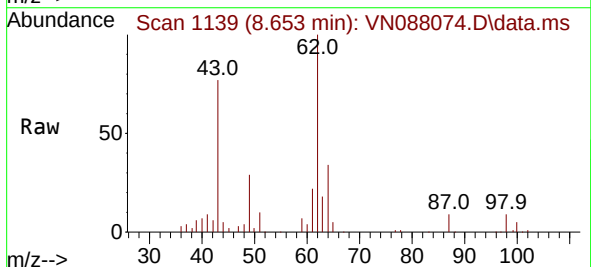
Manual Integrations
APPROVED

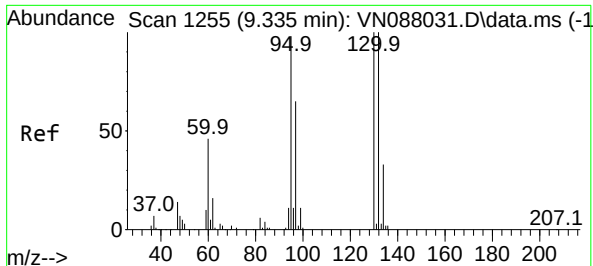
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#36
1,2-Dichloroethane
Concen: 19.888 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Tgt Ion: 62 Resp: 113983
Ion Ratio Lower Upper
62 100
98 9.0 7.8 11.6





#37

Trichloroethene

Concen: 18.450 ug/l

RT: 9.335 min Scan# 1255

Delta R.T. -0.000 min

Lab File: VN088074.D

Acq: 20 Oct 2025 09:59

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD01

Tgt Ion:130 Resp: 7216

Ion Ratio Lower Upper

130 100

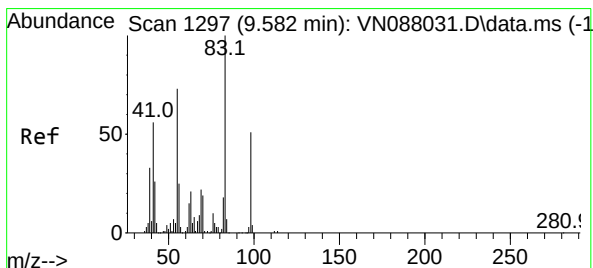
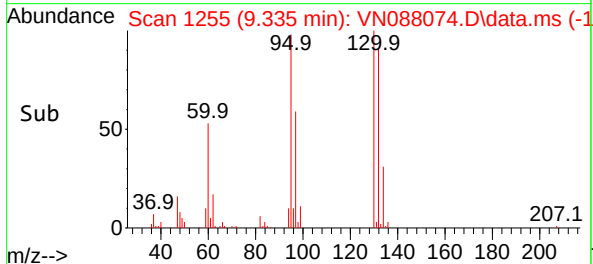
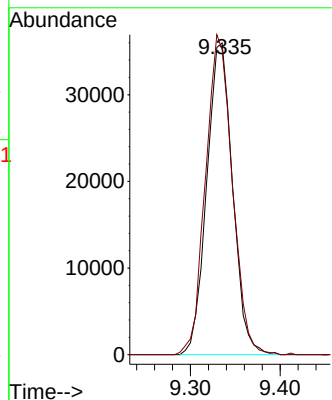
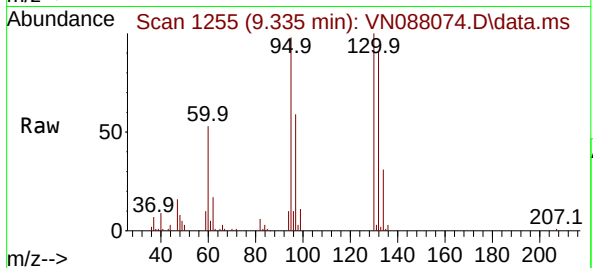
95 97.9 78.7 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/21/2025

Supervised By :Semsettin Yesilyurt 10/21/2025



#38

Methylcyclohexane

Concen: 20.249 ug/l

RT: 9.576 min Scan# 1296

Delta R.T. -0.006 min

Lab File: VN088074.D

Acq: 20 Oct 2025 09:59

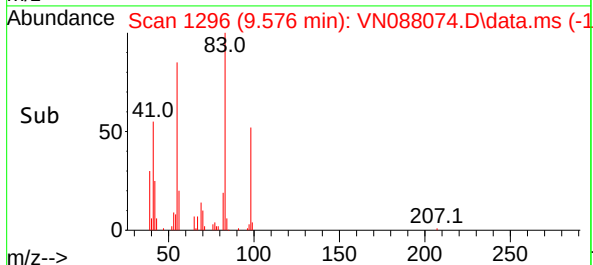
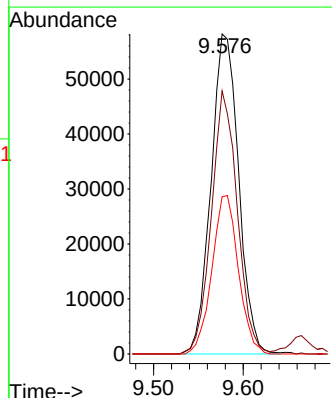
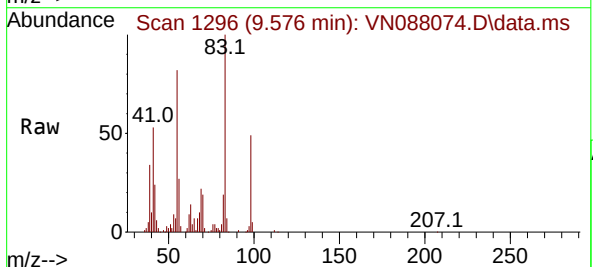
Tgt Ion: 83 Resp: 124458

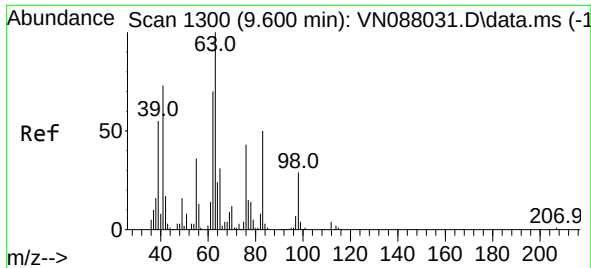
Ion Ratio Lower Upper

83 100

55 77.0 37.3 111.9

98 47.5 25.4 76.0





#39

1,2-Dichloropropane

Concen: 19.130 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN088074.D

Acq: 20 Oct 2025 09:59

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD01

Tgt Ion: 63 Resp: 7918

Ion Ratio Lower Upper

63 100

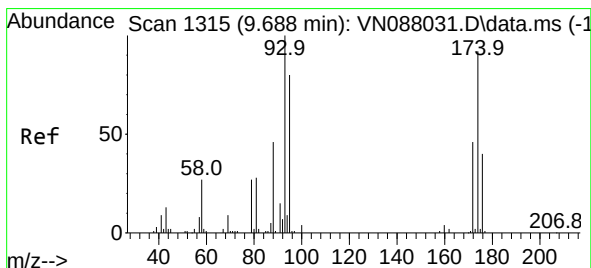
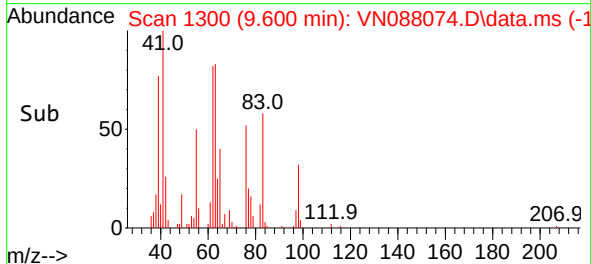
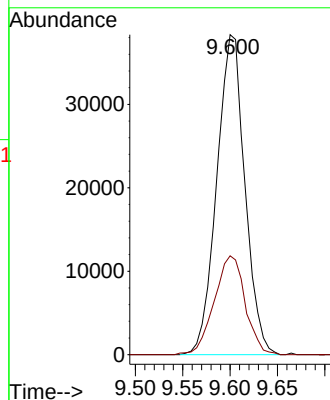
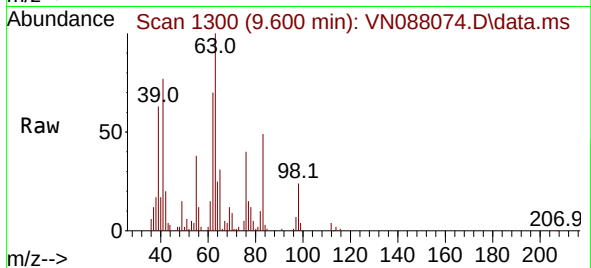
65 30.9 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/21/2025

Supervised By :Semsettin Yesilyurt 10/21/2025



#40

Dibromomethane

Concen: 19.306 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN088074.D

Acq: 20 Oct 2025 09:59

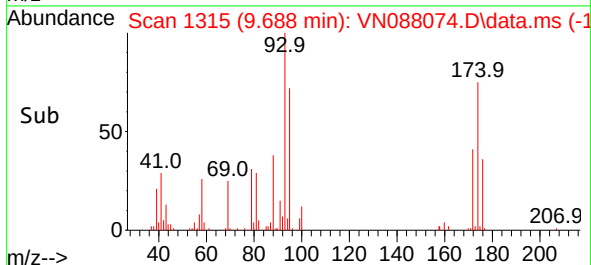
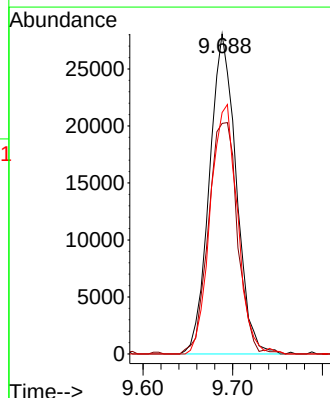
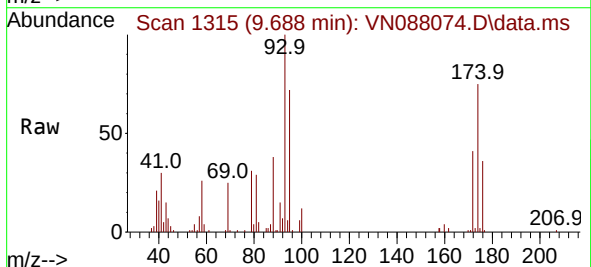
Tgt Ion: 93 Resp: 58171

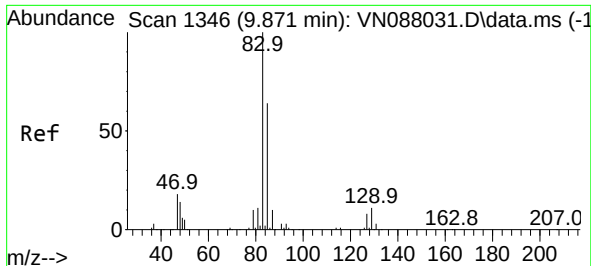
Ion Ratio Lower Upper

93 100

95 78.0 0.0 158.6

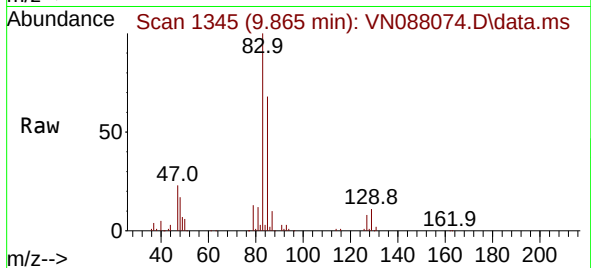
174 78.4 0.0 180.8





#41
Bromodichloromethane
Concen: 19.361 ug/l
RT: 9.865 min Scan# 11914
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

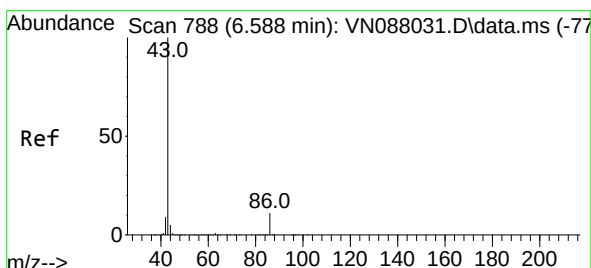
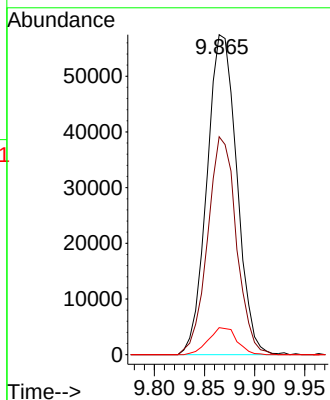
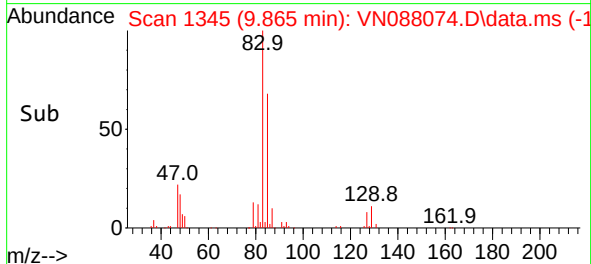
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



Tgt Ion: 83 Resp: 11914
Ion Ratio Lower Upper
83 100
85 68.1 51.0 76.4
127 8.4 6.1 9.1

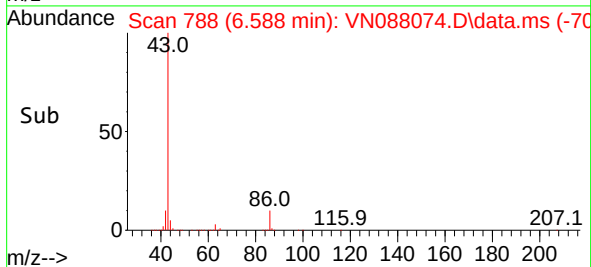
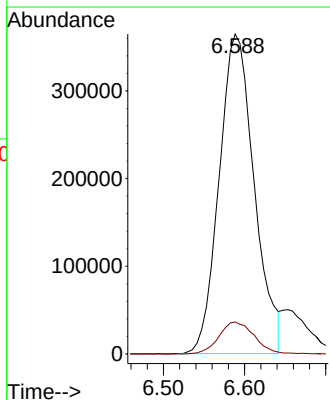
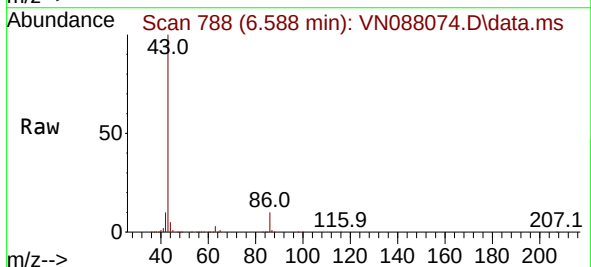
Manual Integrations
APPROVED

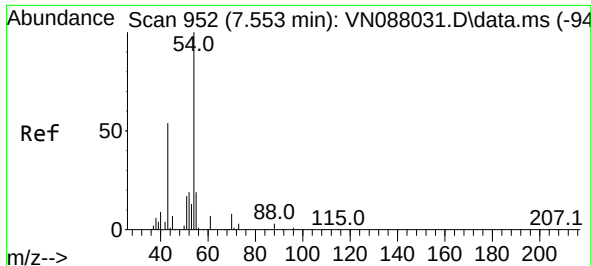
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#42
Vinyl Acetate
Concen: 87.512 ug/l
RT: 6.588 min Scan# 788
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Tgt Ion: 43 Resp: 1094358
Ion Ratio Lower Upper
43 100
86 10.1 8.4 12.6





#43

Ethyl Acetate

Concen: 19.267 ug/l

RT: 7.547 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN088074.D

Acq: 20 Oct 2025 09:59

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD01

Tgt Ion: 43 Resp: 135952

Ion Ratio Lower Upper

43 100

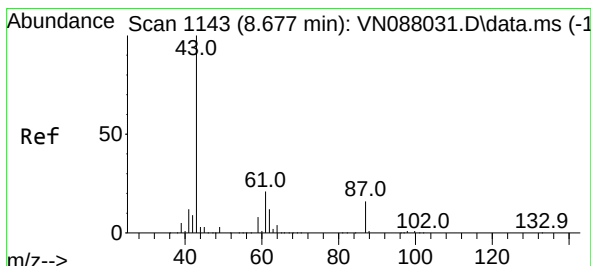
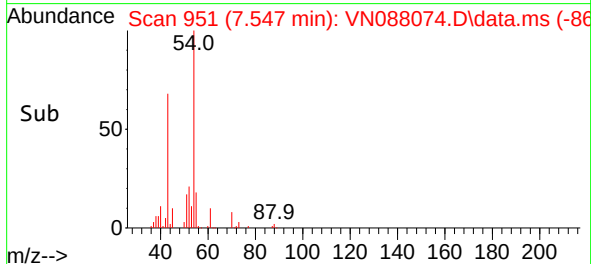
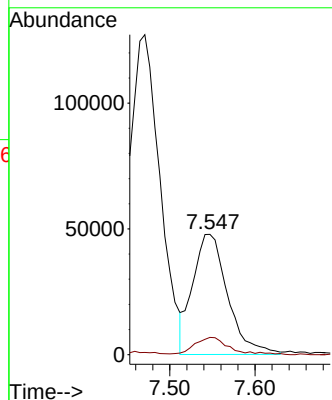
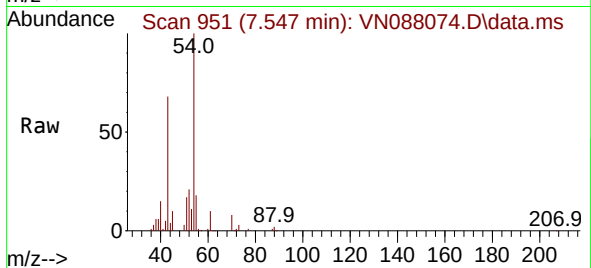
45 11.7 10.2 15.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/21/2025

Supervised By :Semsettin Yesilyurt 10/21/2025



#44

Isopropyl Acetate

Concen: 18.608 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VN088074.D

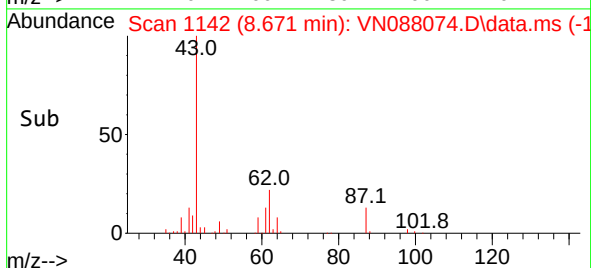
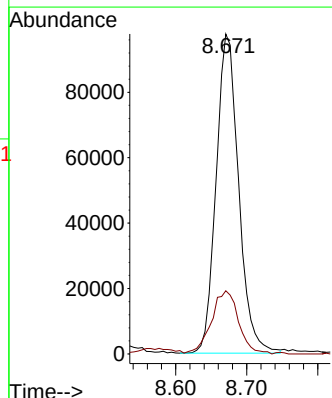
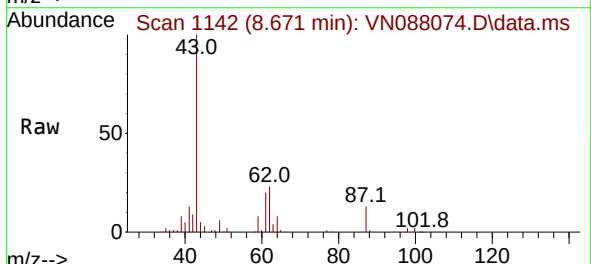
Acq: 20 Oct 2025 09:59

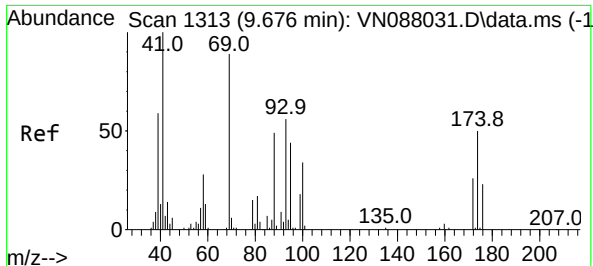
Tgt Ion: 43 Resp: 214453

Ion Ratio Lower Upper

43 100

61 23.9 18.7 28.1





#45

1,4-Dioxane

Concen: 366.530 ug/l

RT: 9.682 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN088074.D

Acq: 20 Oct 2025 09:59

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD01

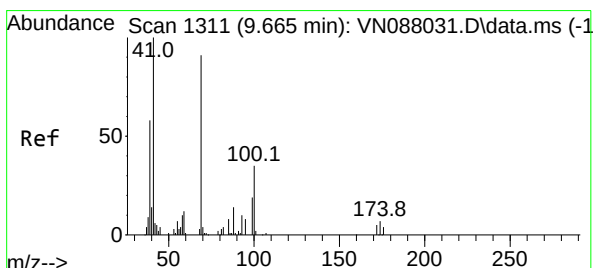
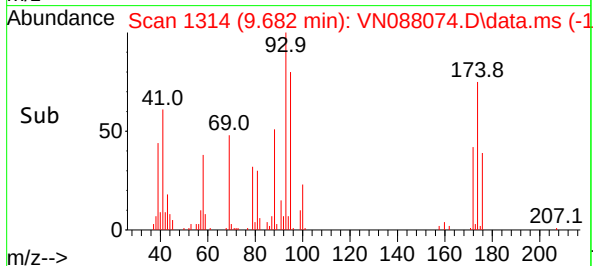
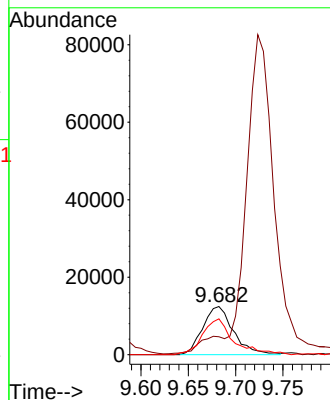
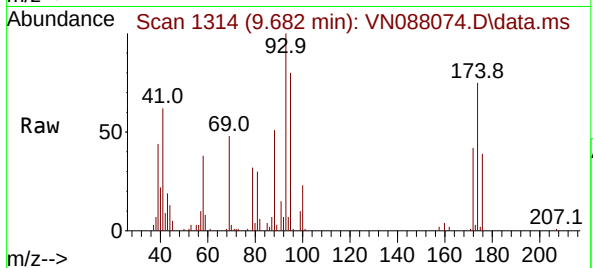
Tgt Ion:	88	Resp:	2809
Ion Ratio	Lower	Upper	
88	100		
43	30.8	18.6	27.8
58	71.9	57.4	86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/21/2025

Supervised By :Semsettin Yesilyurt 10/21/2025



#46

Methyl methacrylate

Concen: 18.310 ug/l

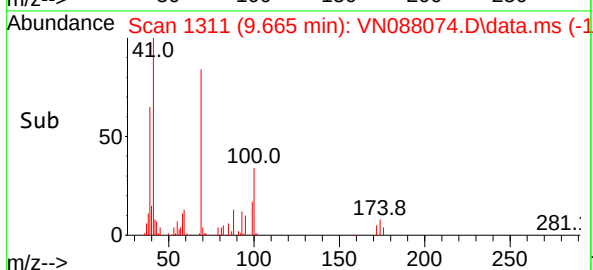
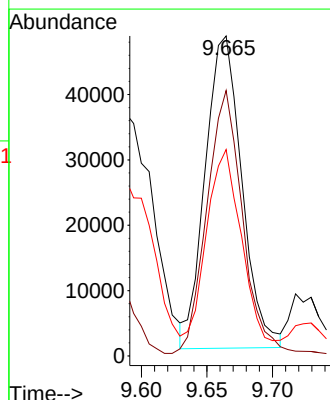
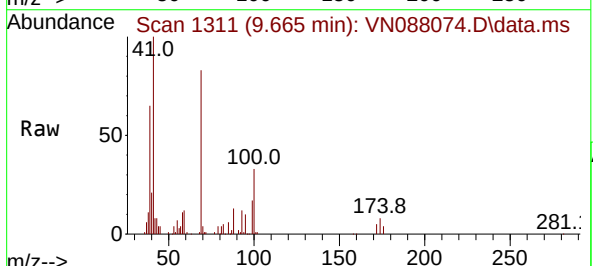
RT: 9.665 min Scan# 1311

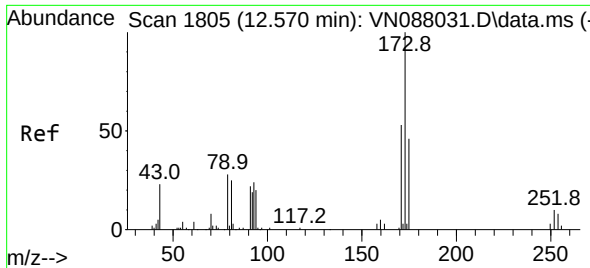
Delta R.T. -0.000 min

Lab File: VN088074.D

Acq: 20 Oct 2025 09:59

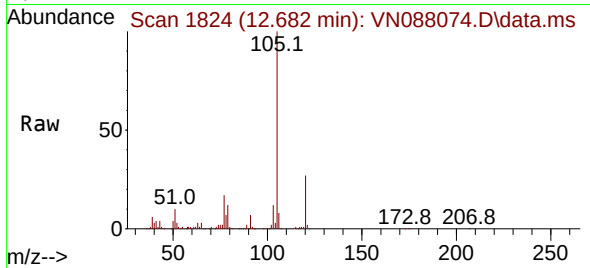
Tgt Ion:	41	Resp:	92930
Ion Ratio	Lower	Upper	
41	100		
69	86.7	44.9	134.7
39	64.0	30.3	90.8





#47
n-amy1 Acetate
Concen: 18.152 ug/l m
RT: 12.682 min Scan# 1805
Delta R.T. 0.112 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

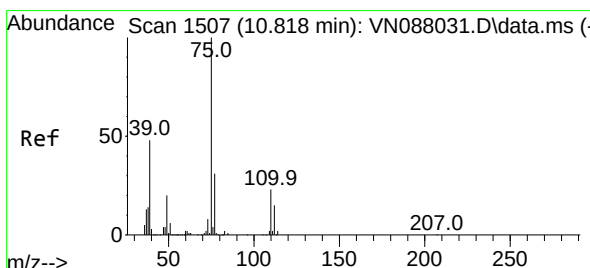
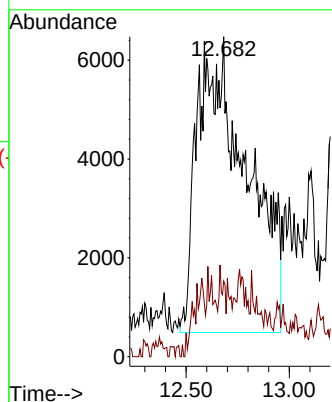
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



Tgt Ion: 43 Resp: 9915
Ion Ratio Lower Upper
43 100
55 0.8 0.6 0.8

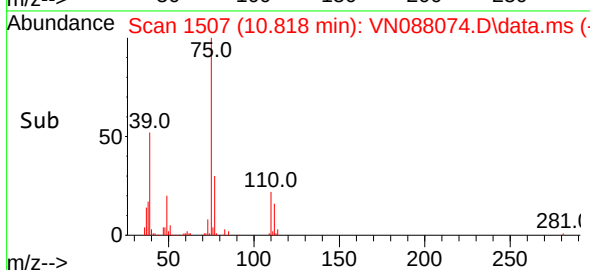
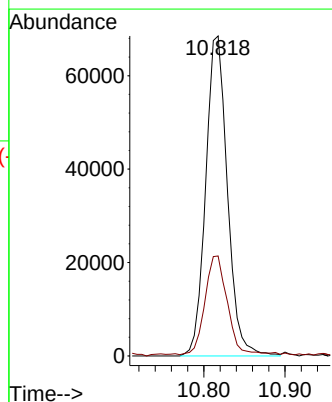
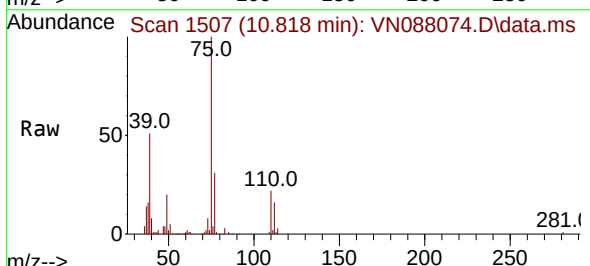
Manual Integrations
APPROVED

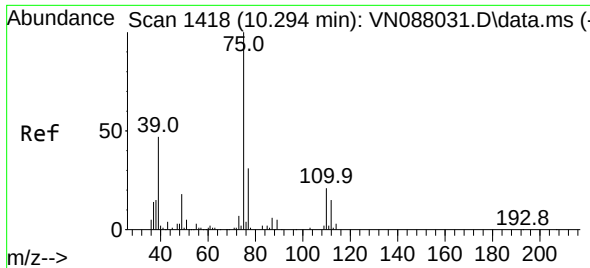
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#48
t-1,3-Dichloropropene
Concen: 18.613 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

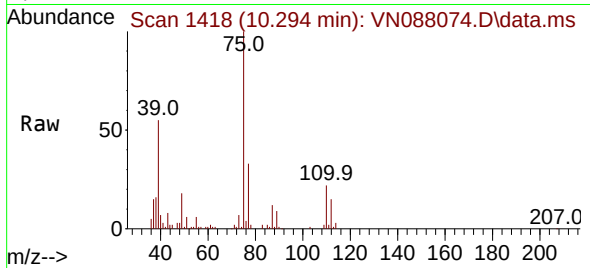
Tgt Ion: 75 Resp: 127369
Ion Ratio Lower Upper
75 100
77 30.9 24.5 36.7





#49
 cis-1,3-Dichloropropene
 Concen: 18.558 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. -0.000 min
 Lab File: VN088074.D
 Acq: 20 Oct 2025 09:59

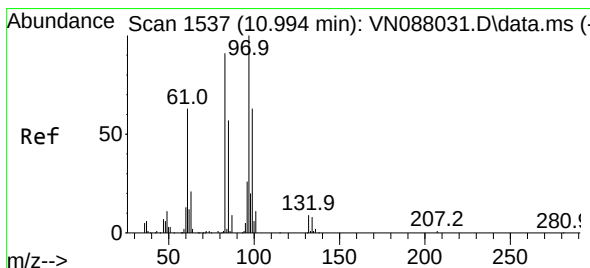
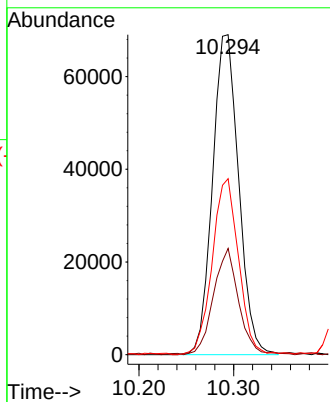
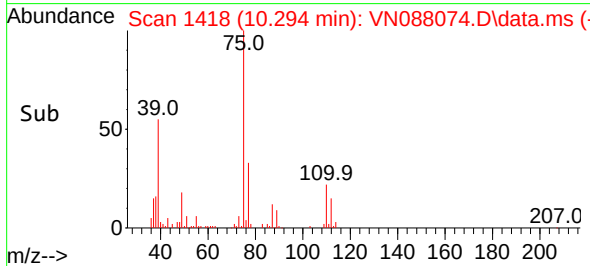
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBSD01



Tgt Ion: 75 Resp: 132460
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.0 37.4
 39 55.0 37.4 56.0

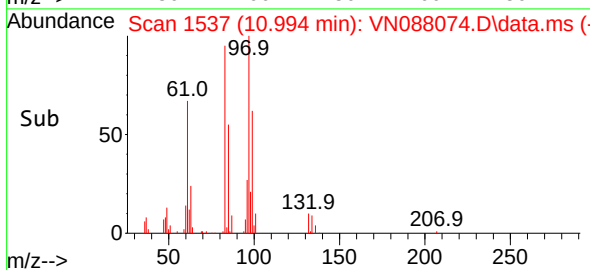
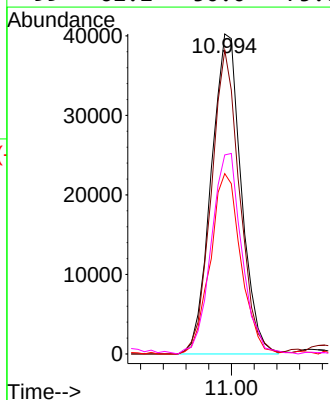
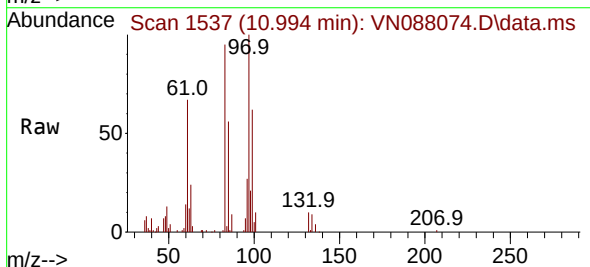
Manual Integrations
 APPROVED

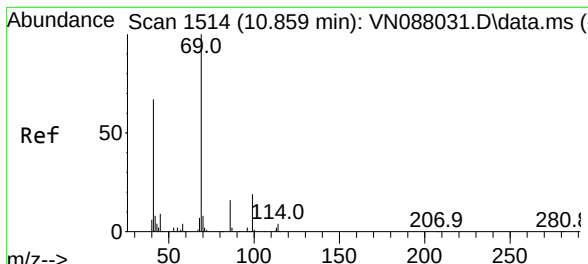
Reviewed By :John Carlone 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025



#50
 1,1,2-Trichloroethane
 Concen: 18.482 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. -0.000 min
 Lab File: VN088074.D
 Acq: 20 Oct 2025 09:59

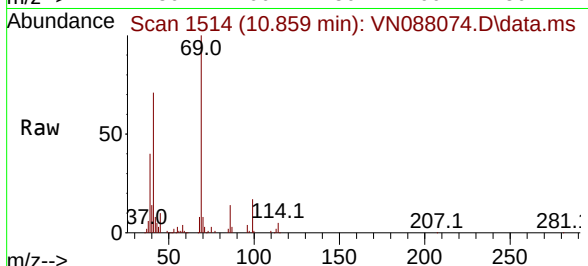
Tgt Ion: 97 Resp: 73749
 Ion Ratio Lower Upper
 97 100
 83 95.0 72.5 108.7
 85 56.4 45.5 68.3
 99 62.2 50.0 75.0





#51
Ethyl methacrylate
Concen: 17.446 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

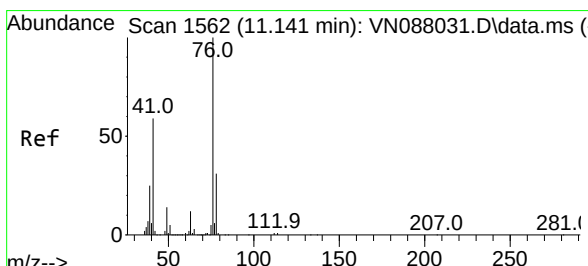
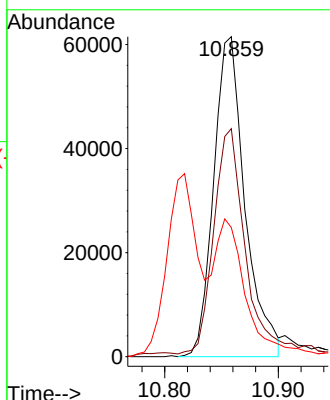
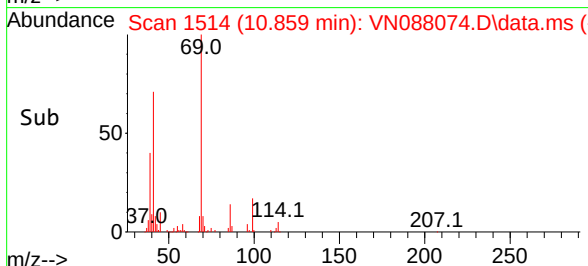
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



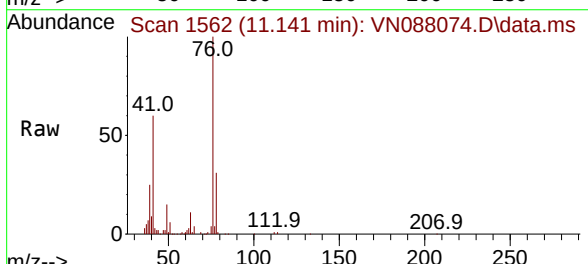
Tgt Ion: 69 Resp: 117815
Ion Ratio Lower Upper
69 100
41 70.4 33.3 99.8
39 36.4 20.3 61.0

Manual Integrations
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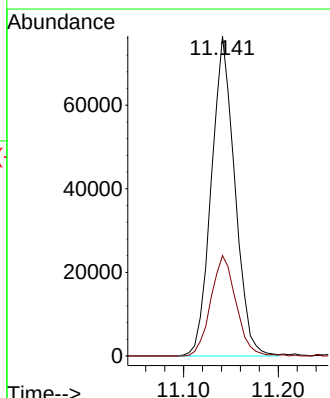
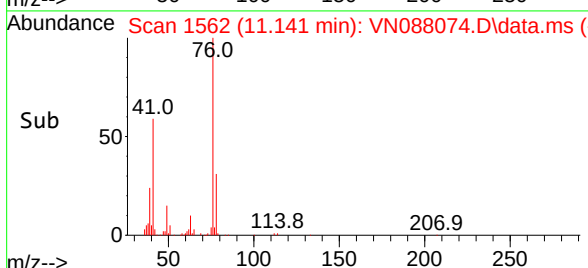
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

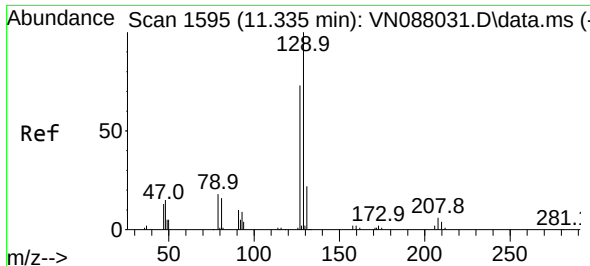


#52
1,3-Dichloropropane
Concen: 18.984 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59



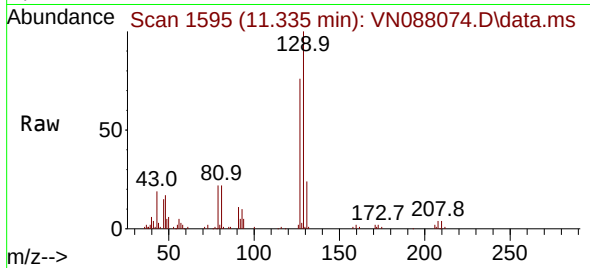
Tgt Ion: 76 Resp: 132164
Ion Ratio Lower Upper
76 100
78 33.4 0.0 65.0





#53
Dibromochloromethane
Concen: 18.255 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

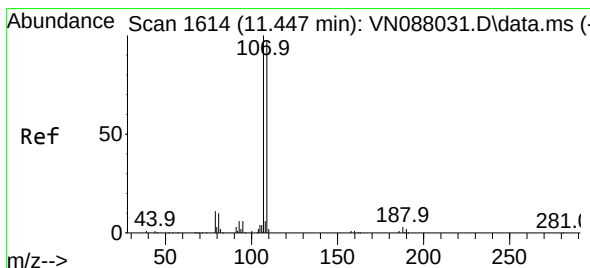
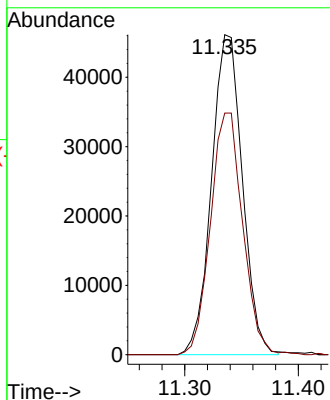
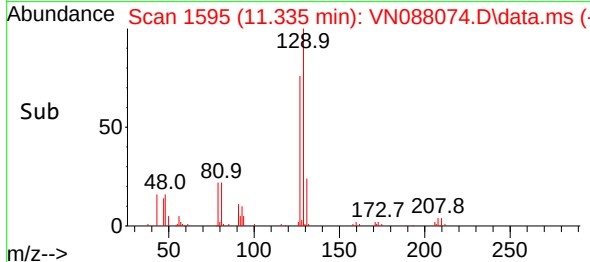
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



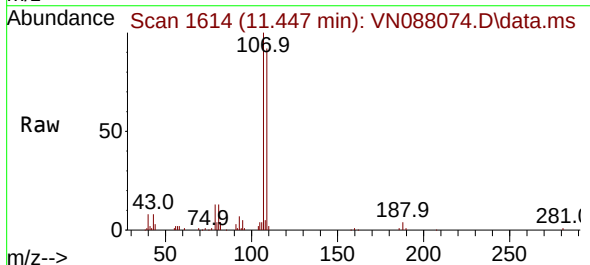
Tgt Ion:129 Resp: 87083
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3

Manual Integrations
APPROVED

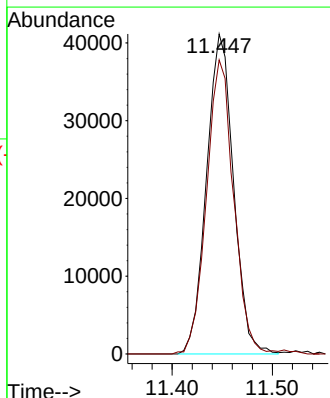
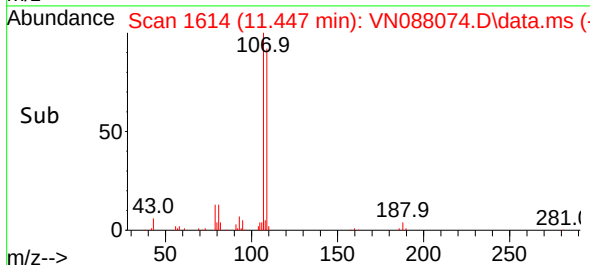
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

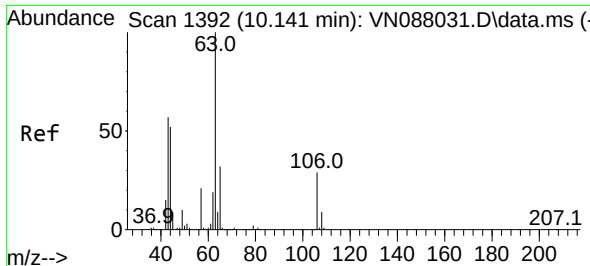


#54
1,2-Dibromoethane
Concen: 18.017 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59



Tgt Ion:107 Resp: 76862
Ion Ratio Lower Upper
107 100
109 92.1 75.5 113.3





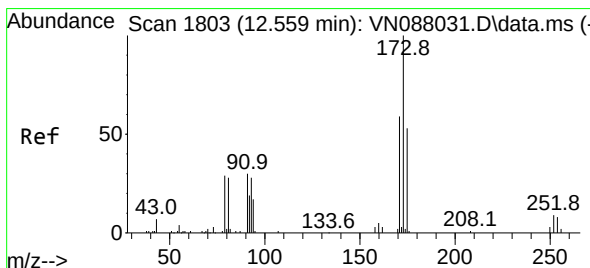
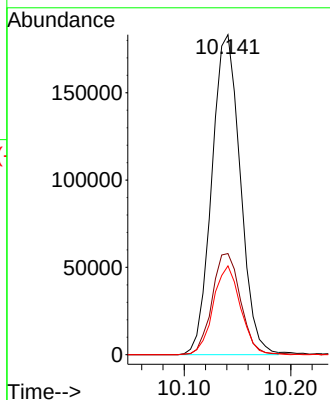
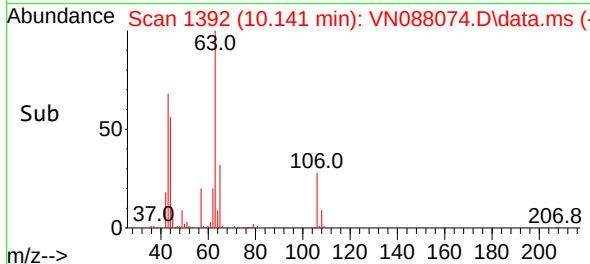
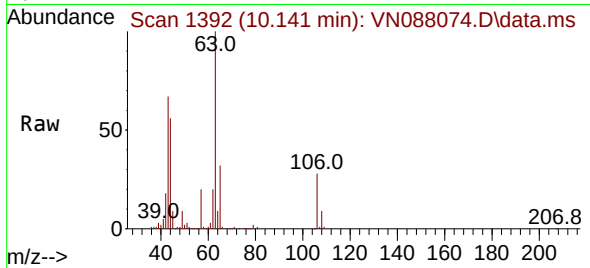
#55
2-Chloroethyl vinyl ether
Concen: 93.326 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01

Tgt Ion: 63 Resp: 340184
Ion Ratio Lower Upper
63 100
65 31.6 25.7 38.5
106 26.7 22.6 34.0

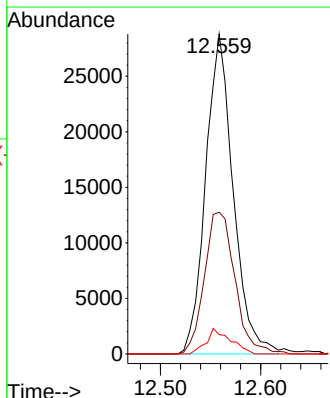
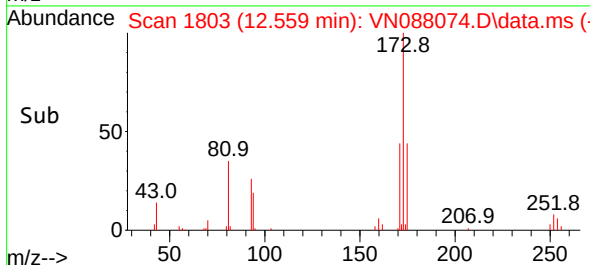
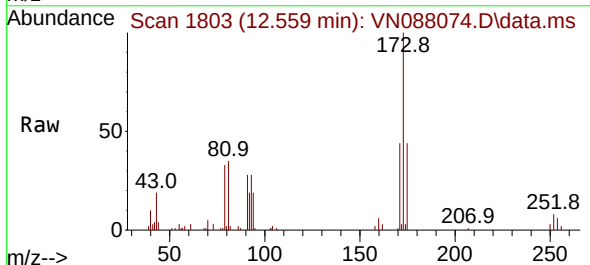
Manual Integrations
APPROVED

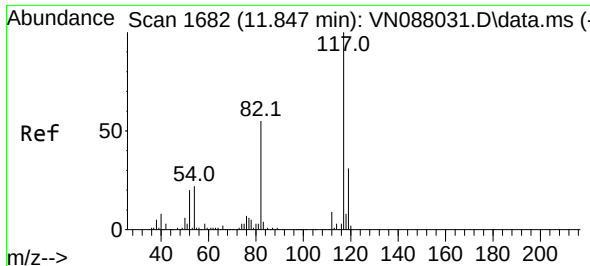
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#56
Bromoform
Concen: 17.078 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

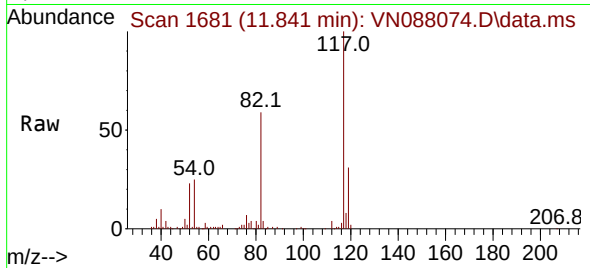
Tgt Ion:173 Resp: 55080
Ion Ratio Lower Upper
173 100
175 48.8 39.6 59.4
254 7.0 6.6 10.0





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

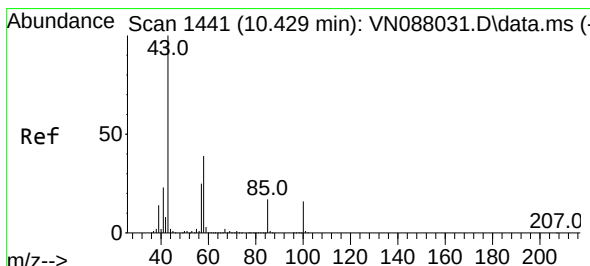
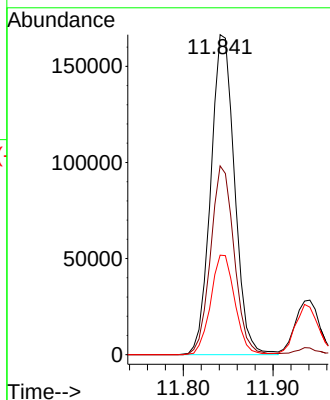
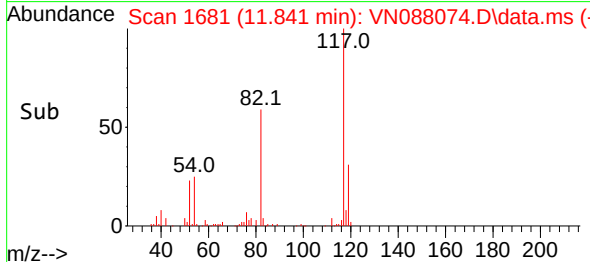
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



Tgt Ion:117 Resp: 30675
Ion Ratio Lower Upper
117 100
82 58.6 45.2 67.8
119 31.6 25.9 38.9

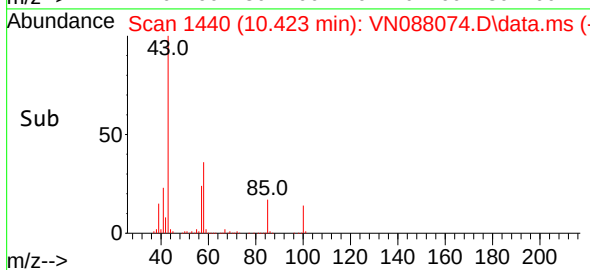
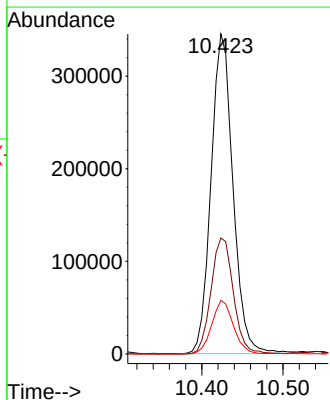
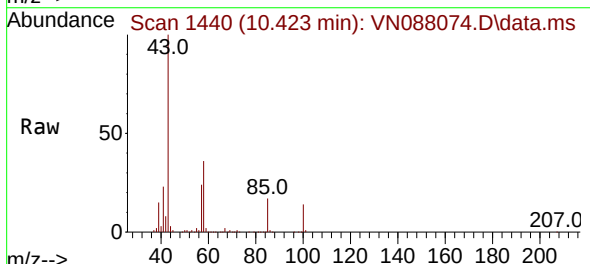
Manual Integrations
APPROVED

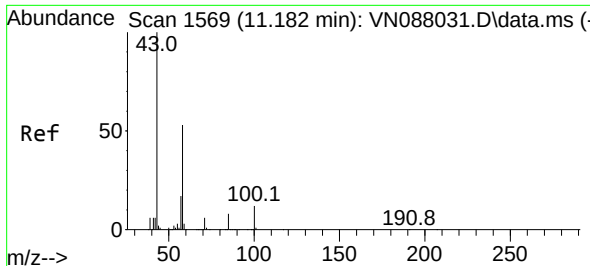
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#58
4-Methyl-2-Pentanone
Concen: 94.377 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

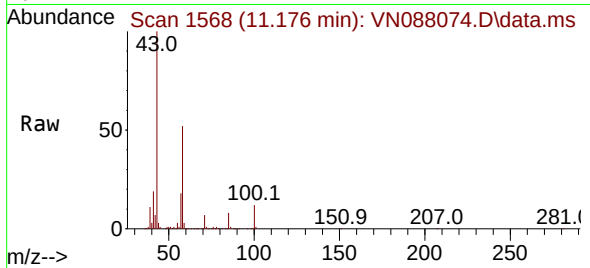
Tgt Ion: 43 Resp: 647557
Ion Ratio Lower Upper
43 100
58 37.1 31.2 46.8
85 16.6 13.7 20.5





#59
2-Hexanone
Concen: 91.389 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

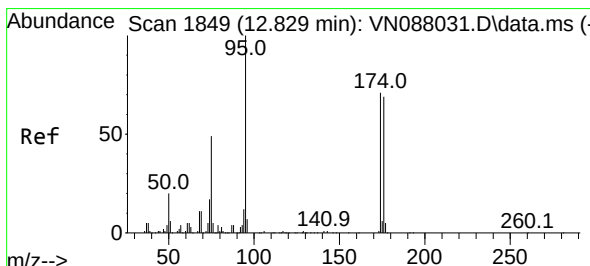
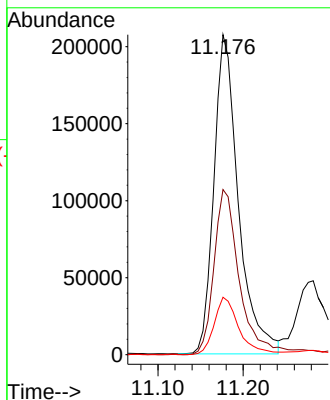
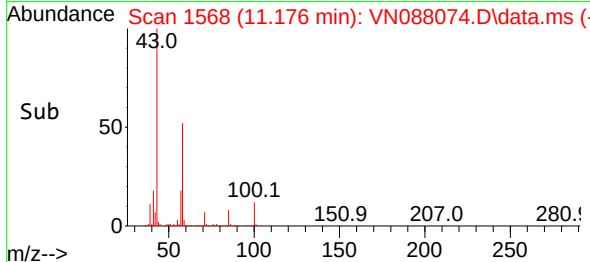
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



Tgt Ion: 43 Resp: 414009
Ion Ratio Lower Upper
43 100
58 53.6 43.1 64.7
57 18.2 14.6 21.8

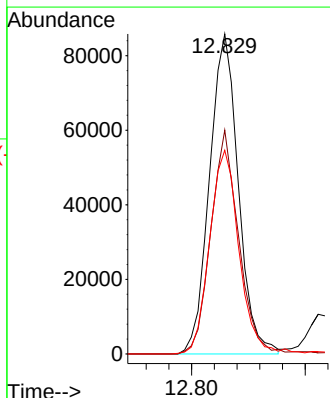
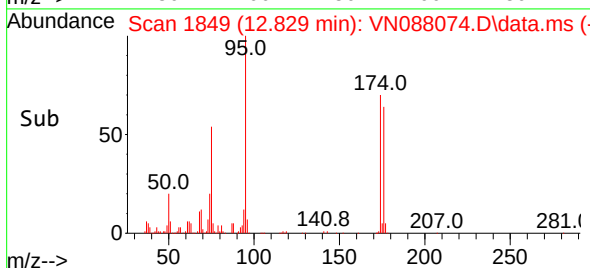
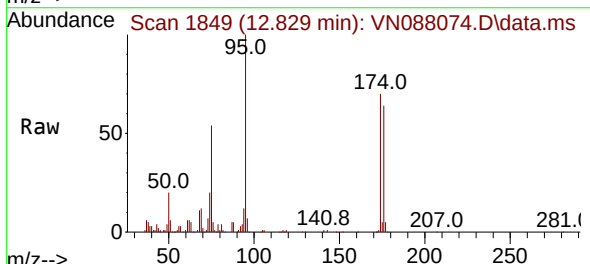
Manual Integrations
APPROVED

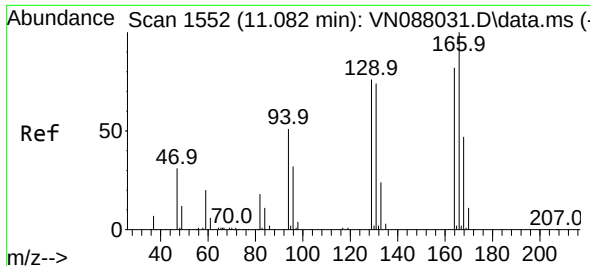
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#60
4-Bromofluorobenzene
Concen: 29.914 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

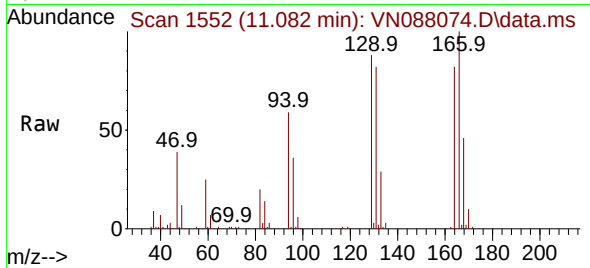
Tgt Ion: 95 Resp: 151279
Ion Ratio Lower Upper
95 100
174 67.3 57.4 86.0
176 64.5 57.0 85.4





#61
Tetrachloroethene
Concen: 18.385 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

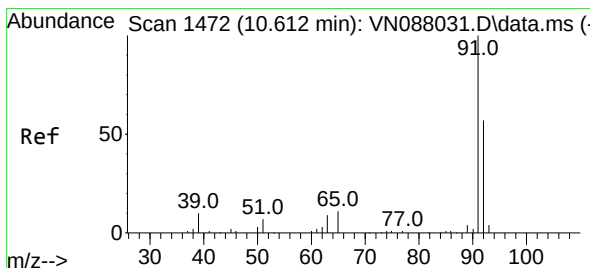
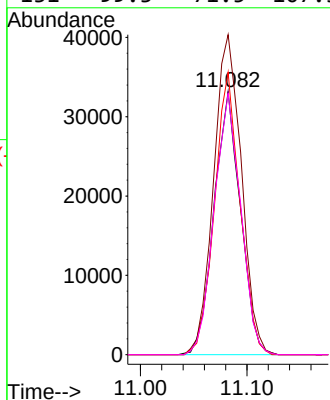
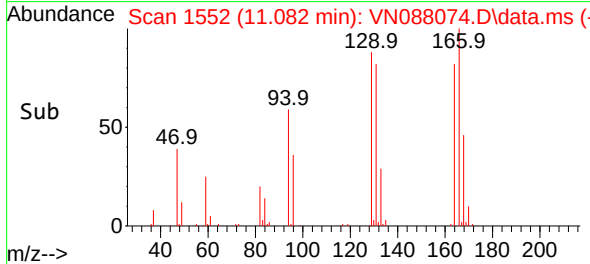
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



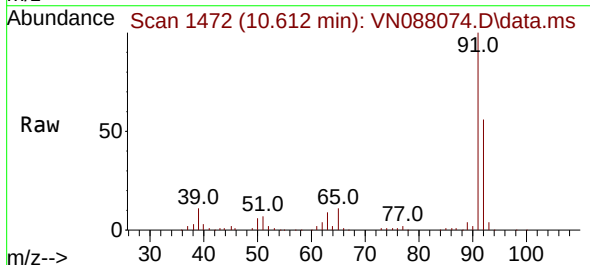
Tgt Ion:164 Resp: 5711
Ion Ratio Lower Upper
164 100
166 121.6 97.2 145.8
129 107.3 73.7 110.5
131 99.3 71.5 107.3

Manual Integrations
APPROVED

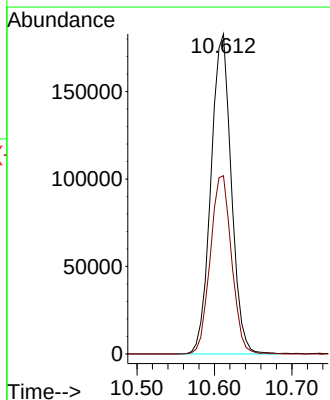
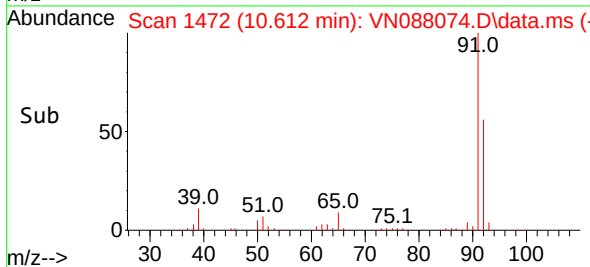
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

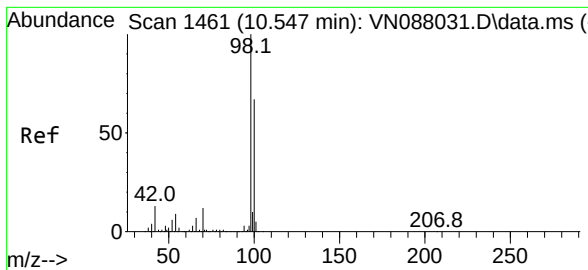


#62
Toluene
Concen: 19.236 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59



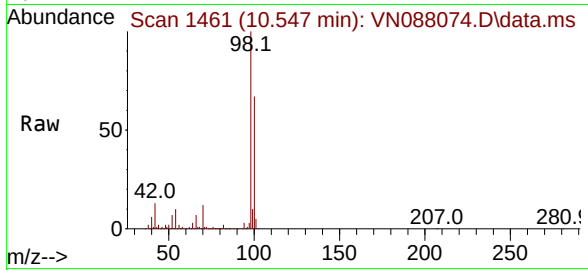
Tgt Ion: 91 Resp: 334718
Ion Ratio Lower Upper
91 100
92 58.1 45.8 68.8





#63
Toluene-d8
Concen: 30.866 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

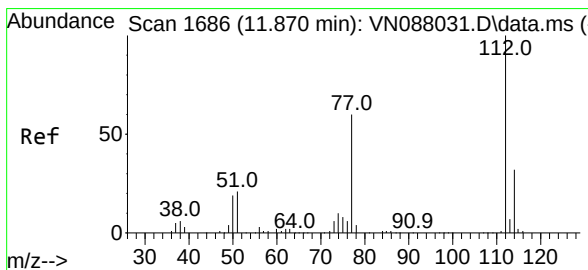
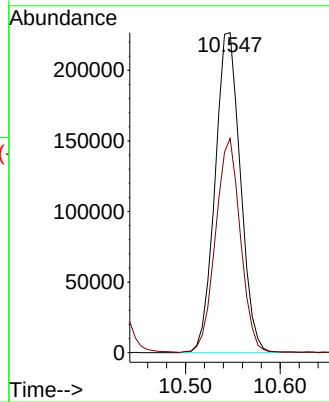
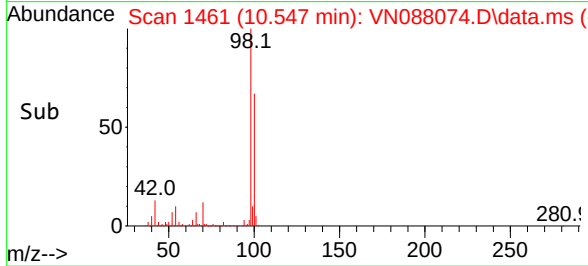
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



Tgt Ion: 98 Resp: 421850
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7

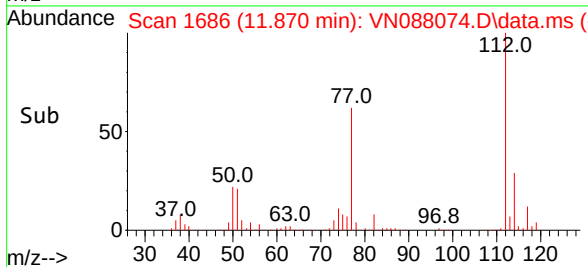
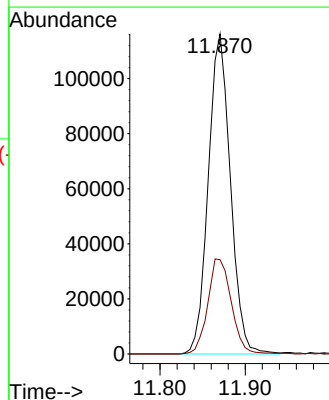
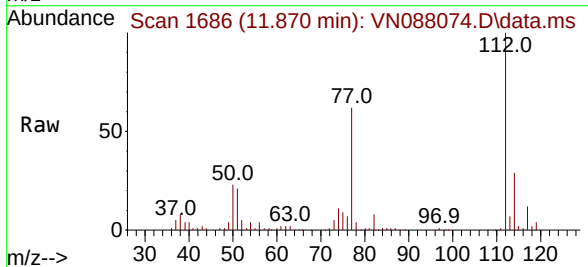
Manual Integrations
APPROVED

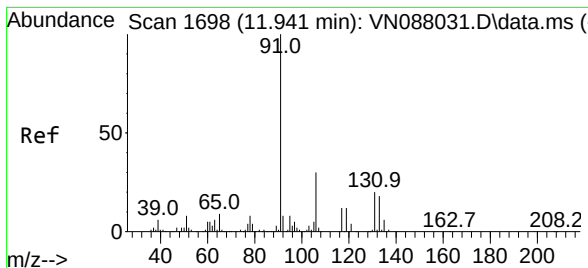
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#64
Chlorobenzene
Concen: 18.872 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Tgt Ion:112 Resp: 209748
Ion Ratio Lower Upper
112 100
114 29.4 25.7 38.5





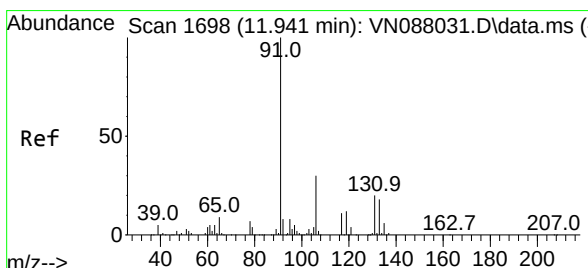
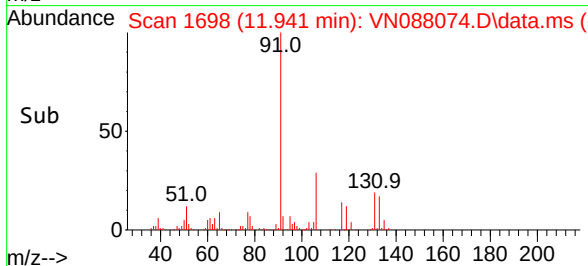
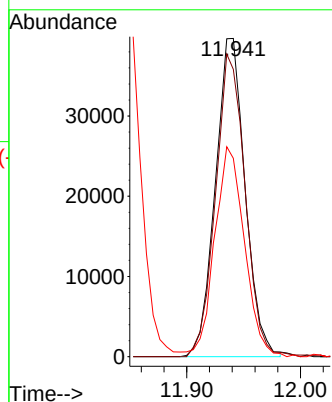
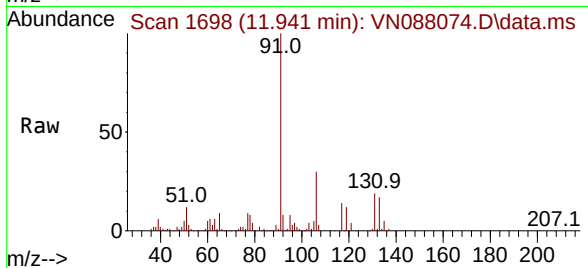
#65
1,1,1,2-Tetrachloroethane
Concen: 18.872 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01

Tgt Ion:131 Resp: 7228
Ion Ratio Lower Upper
131 100
133 94.6 0.0 183.8
119 65.9 0.0 132.0

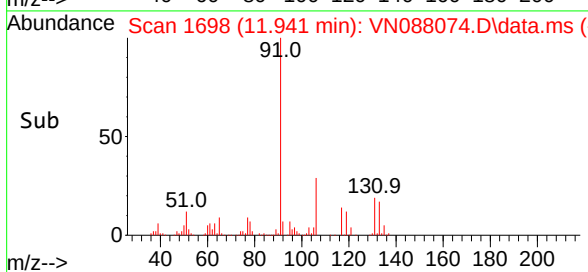
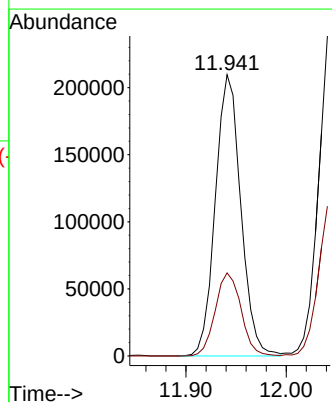
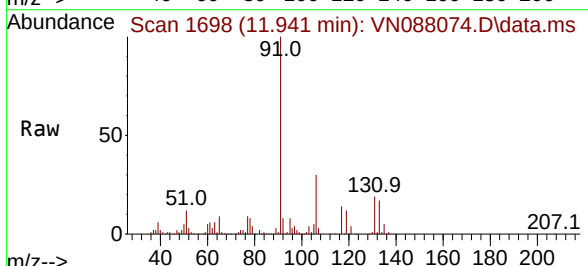
Manual Integrations
APPROVED

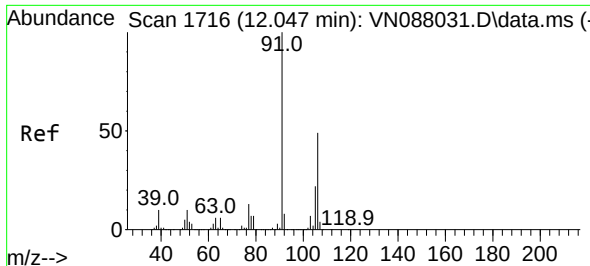
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#66
Ethyl Benzene
Concen: 19.535 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

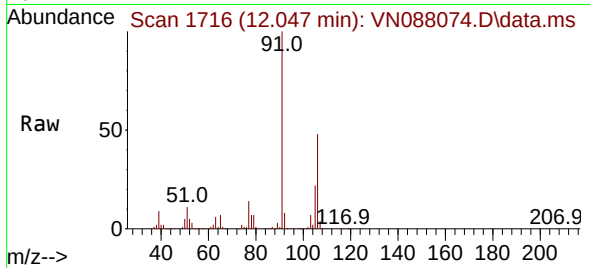
Tgt Ion: 91 Resp: 369603
Ion Ratio Lower Upper
91 100
106 29.5 24.0 36.0





#67
m/p-Xylenes
Concen: 37.812 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

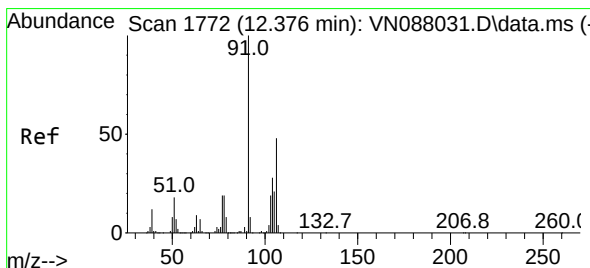
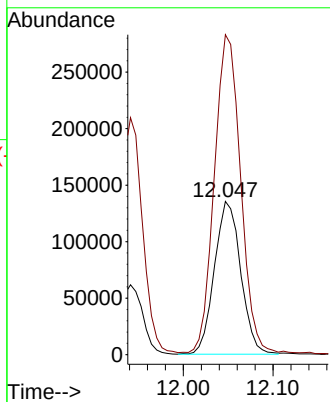
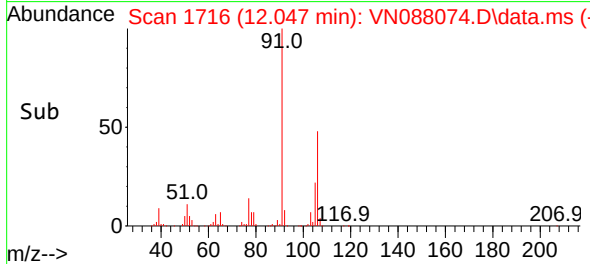
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



Tgt Ion:106 Resp: 275804
Ion Ratio Lower Upper
106 100
91 210.7 161.4 242.0

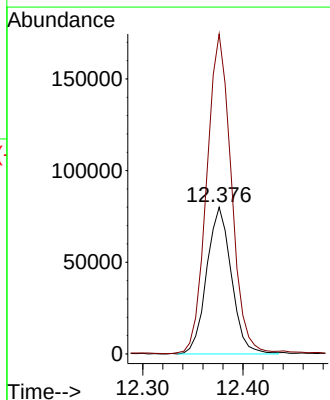
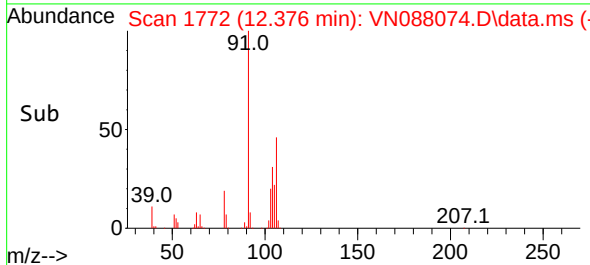
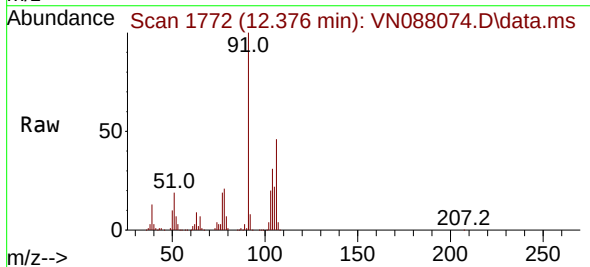
Manual Integrations
APPROVED

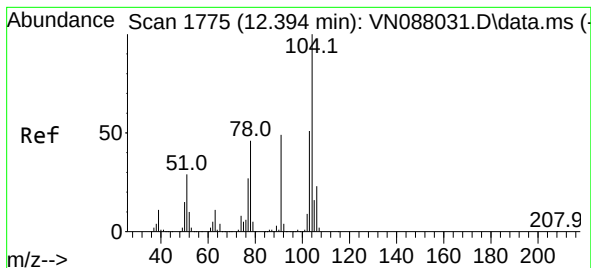
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#68
o-Xylene
Concen: 18.911 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Tgt Ion:106 Resp: 137312
Ion Ratio Lower Upper
106 100
91 216.6 105.2 315.6





#69

Styrene

Concen: 18.690 ug/l

RT: 12.388 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088074.D

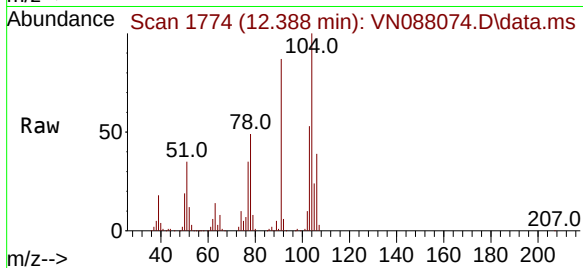
Acq: 20 Oct 2025 09:59

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD01



Tgt Ion:104 Resp: 224490

Ion Ratio Lower Upper

104 100

78 52.2 41.8 62.6

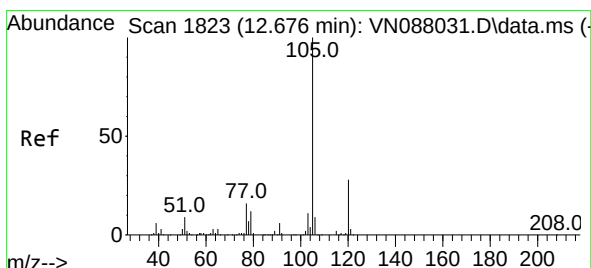
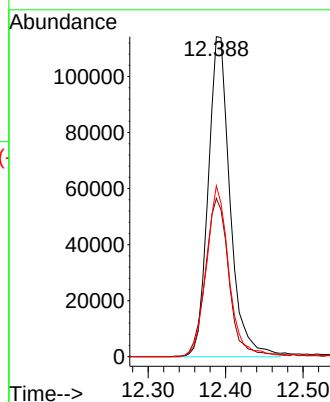
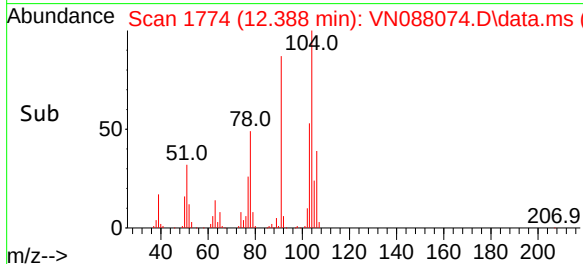
103 53.3 44.9 67.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/21/2025

Supervised By :Semsettin Yesilyurt 10/21/2025



#70

Isopropylbenzene

Concen: 19.626 ug/l

RT: 12.676 min Scan# 1823

Delta R.T. -0.000 min

Lab File: VN088074.D

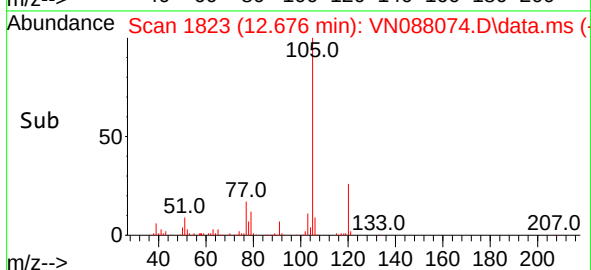
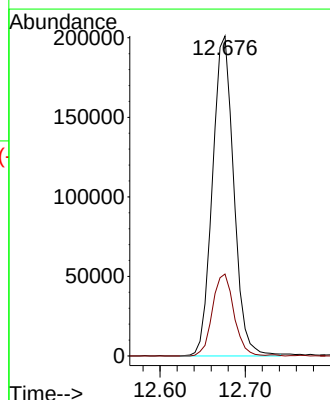
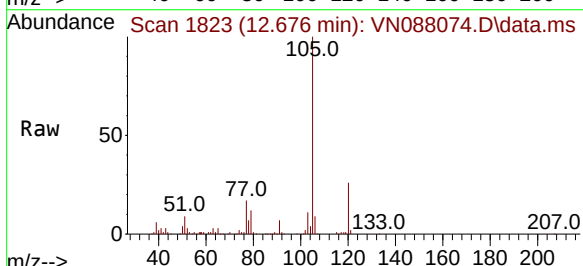
Acq: 20 Oct 2025 09:59

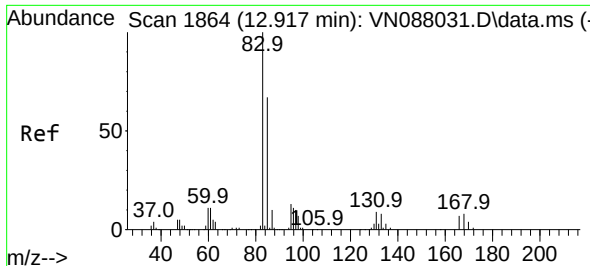
Tgt Ion:105 Resp: 349264

Ion Ratio Lower Upper

105 100

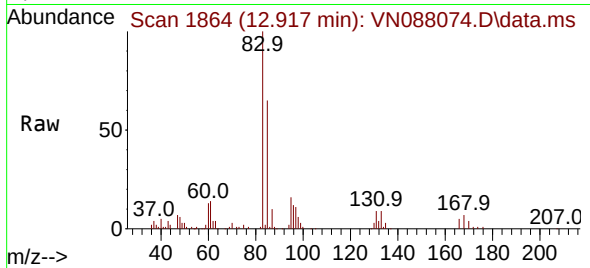
120 25.8 19.1 35.5





#71
1,1,2,2-Tetrachloroethane
Concen: 19.146 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

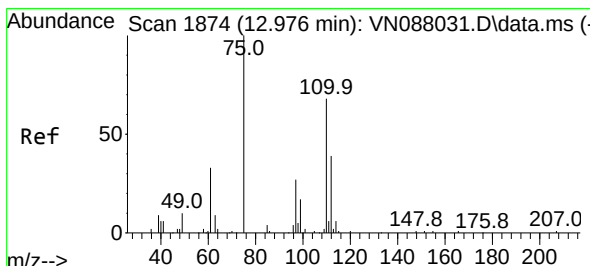
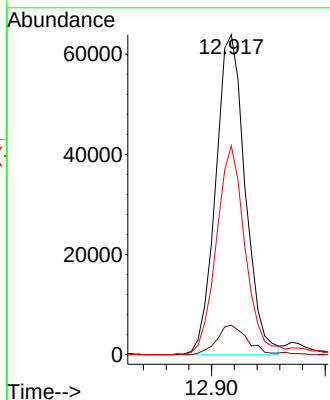
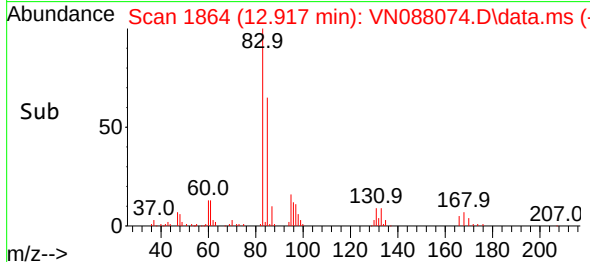
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



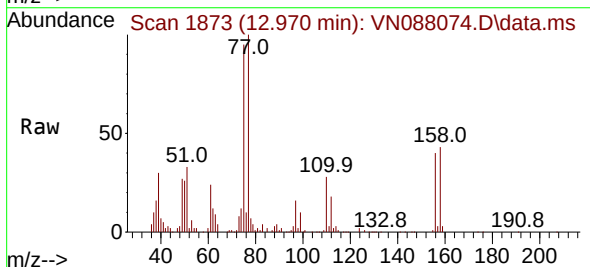
Tgt Ion: 83 Resp: 11551
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.3
85 63.7 32.4 97.2

Manual Integrations
APPROVED

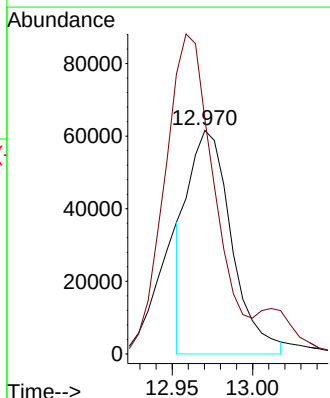
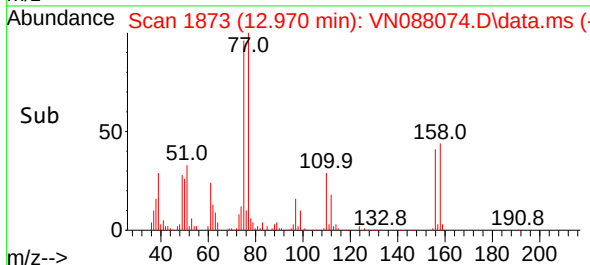
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

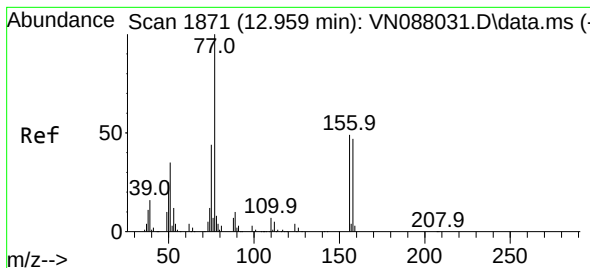


#72
1,2,3-Trichloropropane
Concen: 20.771 ug/l m
RT: 12.970 min Scan# 1873
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59



Tgt Ion: 75 Resp: 116390
Ion Ratio Lower Upper
75 100
77 161.6 0.0 364.0





#73

Bromobenzene

Concen: 17.961 ug/l

RT: 12.959 min Scan# 1871

Delta R.T. -0.000 min

Lab File: VN088074.D

Acq: 20 Oct 2025 09:59

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD01

Tgt Ion:156 Resp: 78124

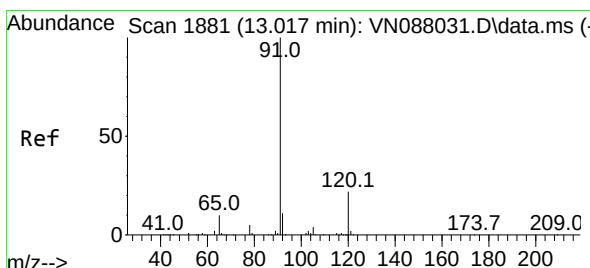
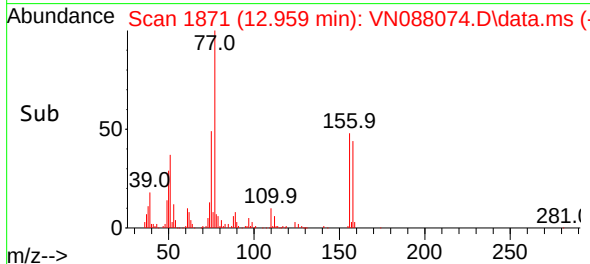
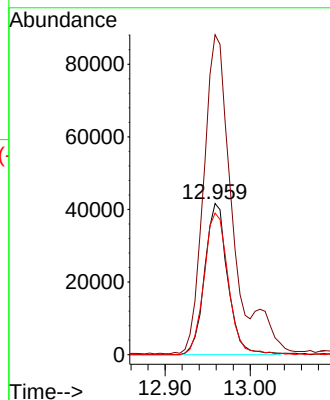
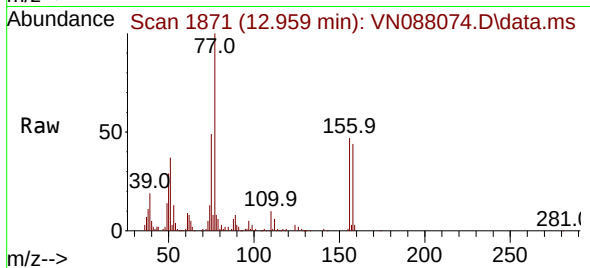
Ion	Ratio	Lower	Upper
156	100		
77	240.7	0.0	439.8
158	98.2	0.0	190.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/21/2025

Supervised By :Semsettin Yesilyurt 10/21/2025



#74

n-propylbenzene

Concen: 20.443 ug/l

RT: 13.011 min Scan# 1880

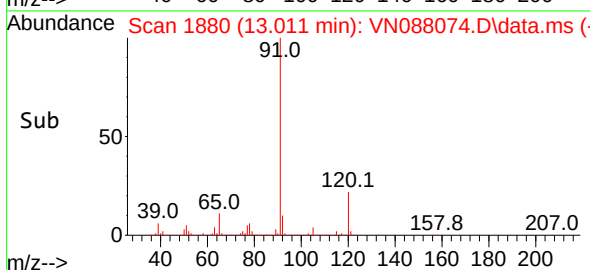
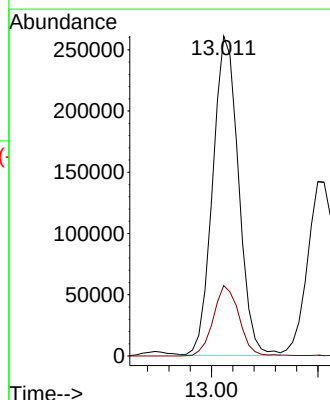
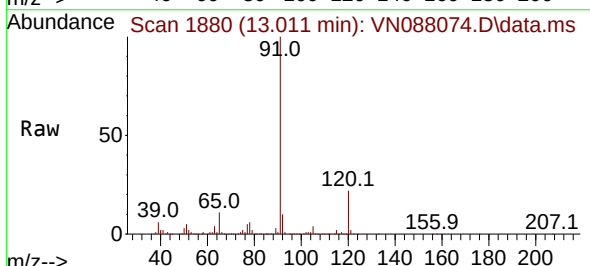
Delta R.T. -0.006 min

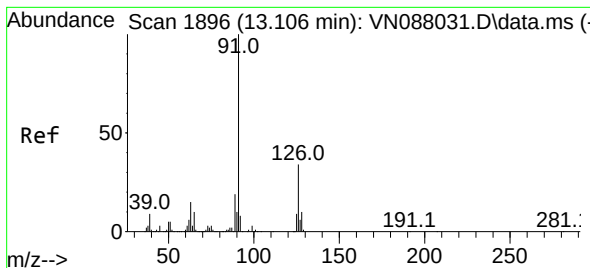
Lab File: VN088074.D

Acq: 20 Oct 2025 09:59

Tgt Ion: 91 Resp: 439192

Ion	Ratio	Lower	Upper
91	100		
120	21.8	0.0	46.2





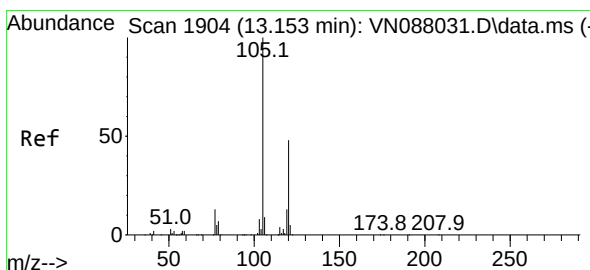
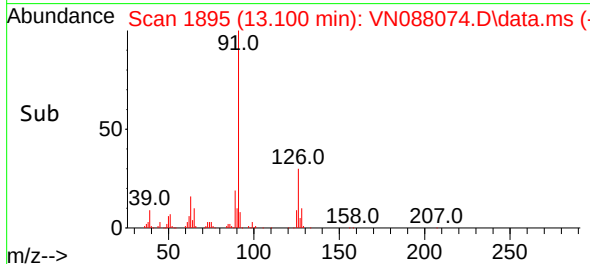
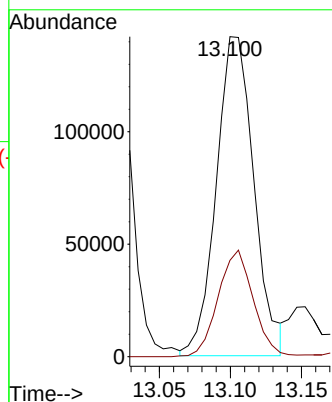
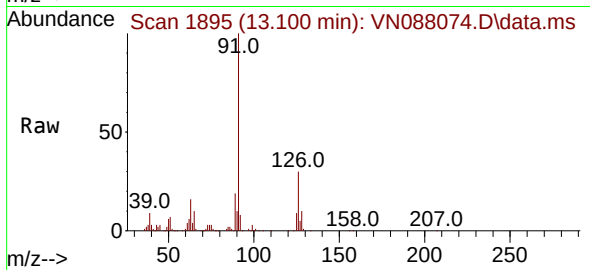
#75
2-Chlorotoluene
Concen: 19.933 ug/l
RT: 13.100 min Scan# 1896
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01

Tgt Ion: 91 Resp: 261840
Ion Ratio Lower Upper
91 100
126 31.1 0.0 66.6

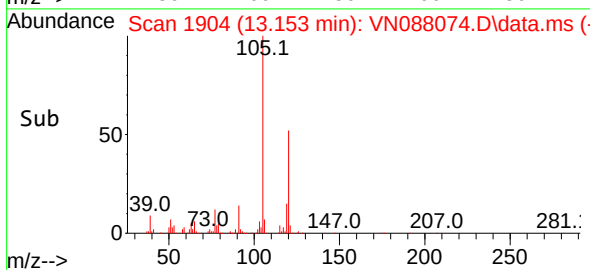
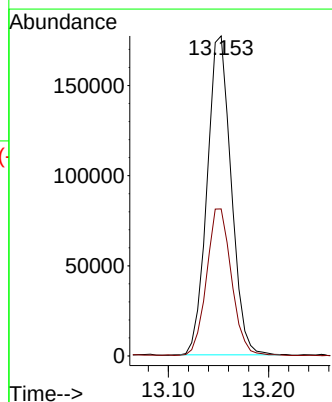
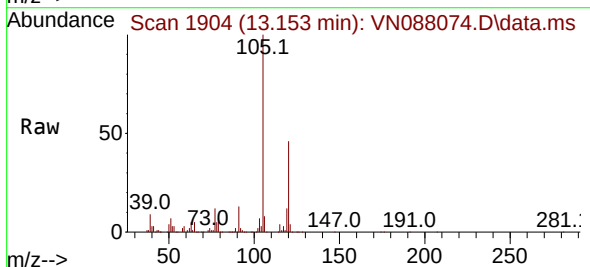
Manual Integrations
APPROVED

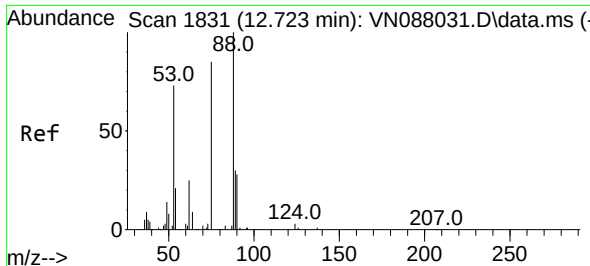
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#76
1,3,5-Trimethylbenzene
Concen: 19.521 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

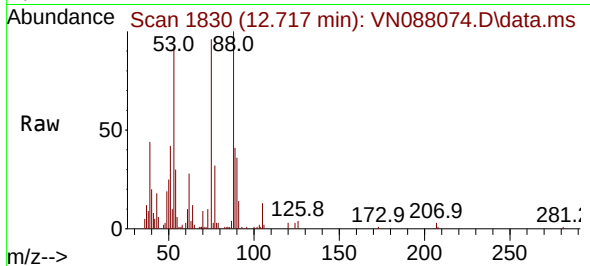
Tgt Ion:105 Resp: 295100
Ion Ratio Lower Upper
105 100
120 47.6 0.0 100.6





#77
t-1,4-Dichloro-2-butene
Concen: 17.146 ug/l
RT: 12.717 min Scan# 1830
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

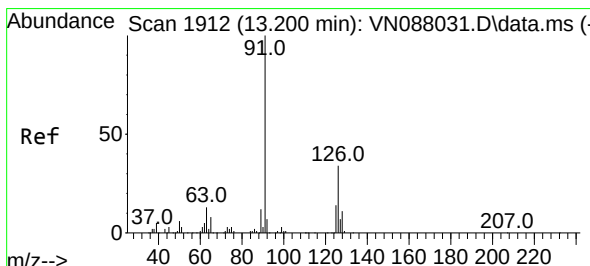
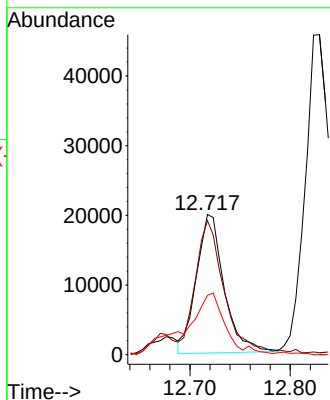
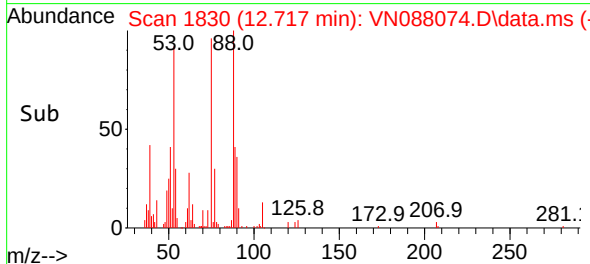
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



Tgt Ion: 75 Resp: 3828
Ion Ratio Lower Upper
75 100
53 94.8 41.8 125.3
89 42.2 19.9 59.6

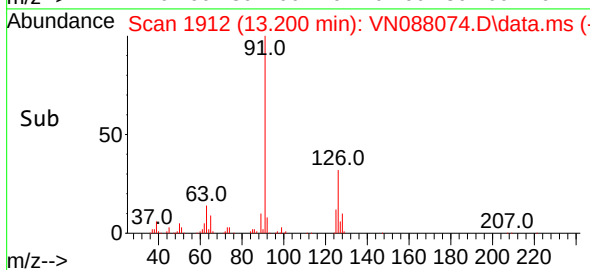
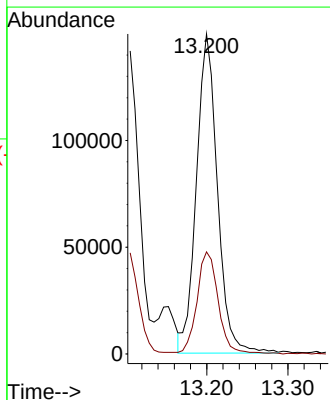
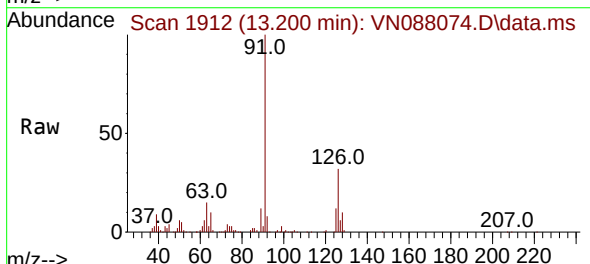
Manual Integrations
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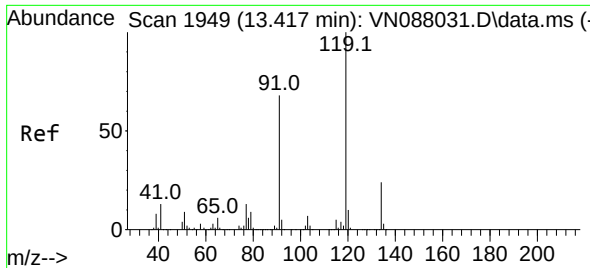
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#78
4-Chlorotoluene
Concen: 20.158 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Tgt Ion: 91 Resp: 269022
Ion Ratio Lower Upper
91 100
126 32.1 0.0 68.8





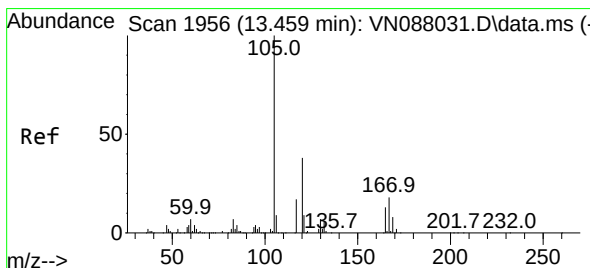
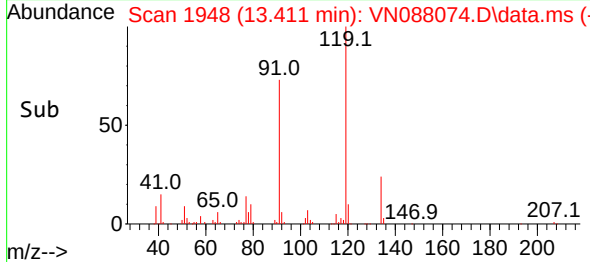
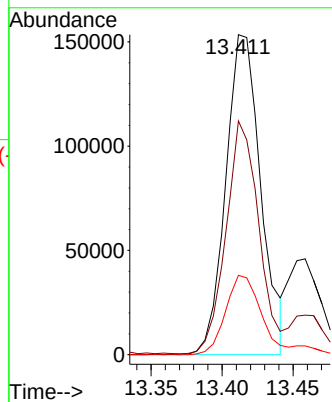
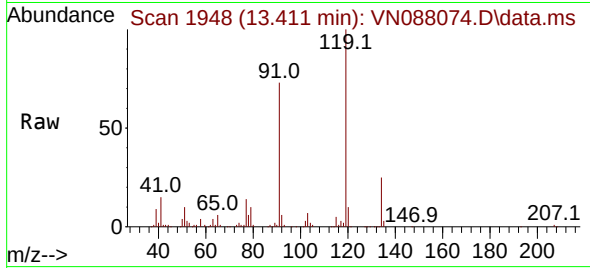
#79
tert-butylbenzene
Concen: 20.085 ug/l
RT: 13.411 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01

Tgt Ion:119 Resp: 263204
Ion Ratio Lower Upper
119 100
91 67.9 0.0 132.4
134 24.9 0.0 48.6

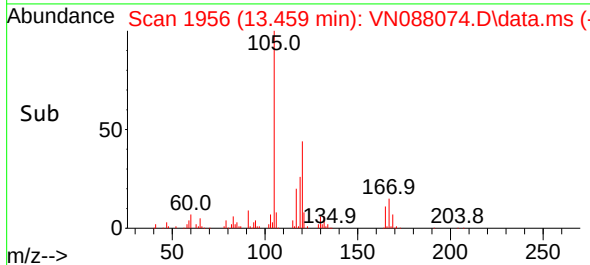
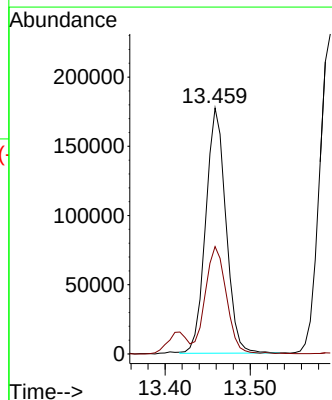
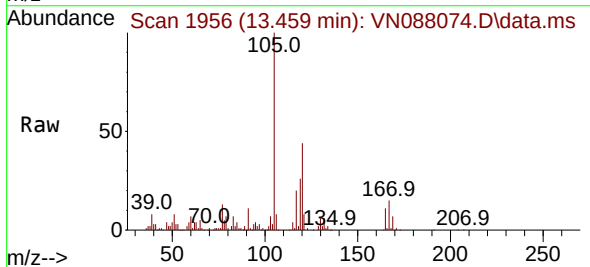
Manual Integrations
APPROVED

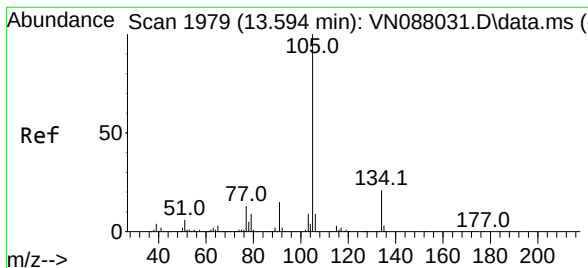
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#80
1,2,4-Trimethylbenzene
Concen: 19.256 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Tgt Ion:105 Resp: 291408
Ion Ratio Lower Upper
105 100
120 45.6 0.0 93.8





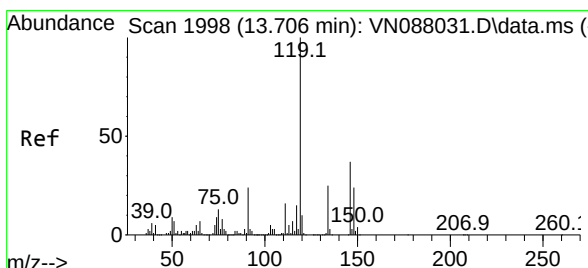
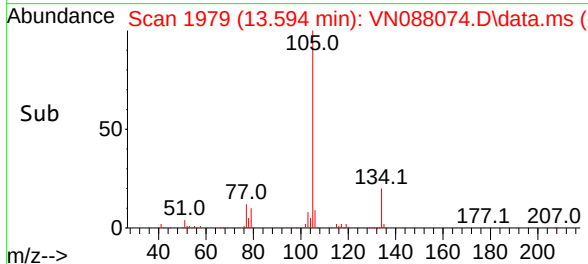
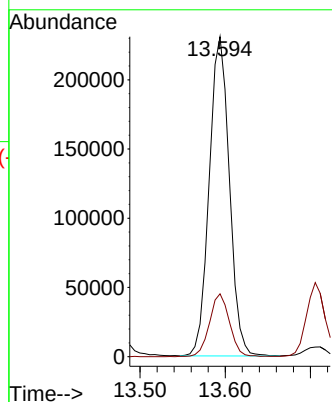
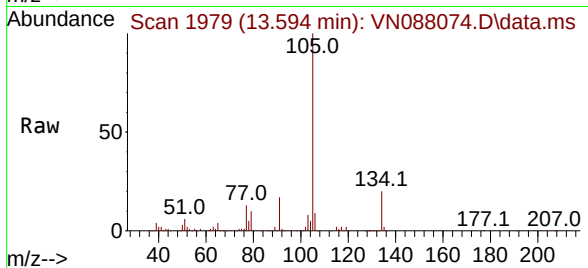
#81
 sec-Butylbenzene
 Concen: 20.576 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN088074.D
 Acq: 20 Oct 2025 09:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBSD01

Tgt Ion:105 Resp: 379108
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 41.2

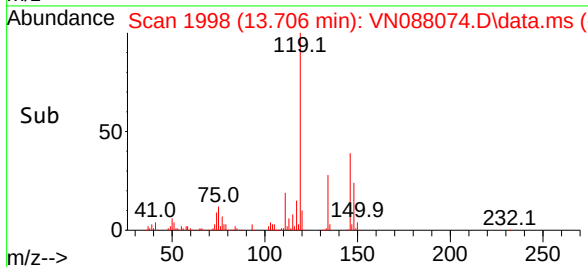
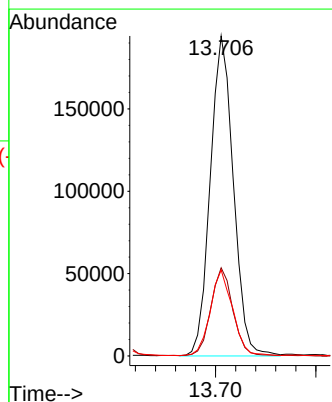
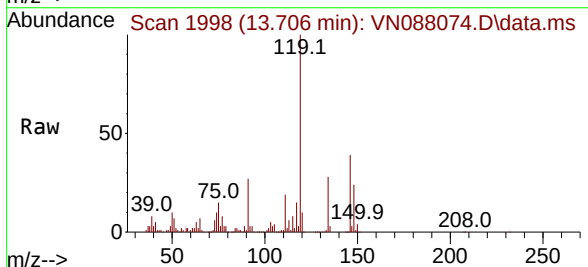
Manual Integrations
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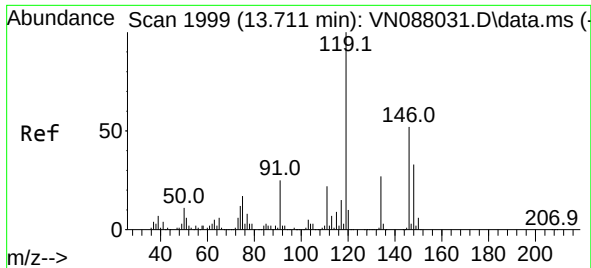
Reviewed By :John Carlone 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025



#82
 p-Isopropyltoluene
 Concen: 19.817 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN088074.D
 Acq: 20 Oct 2025 09:59

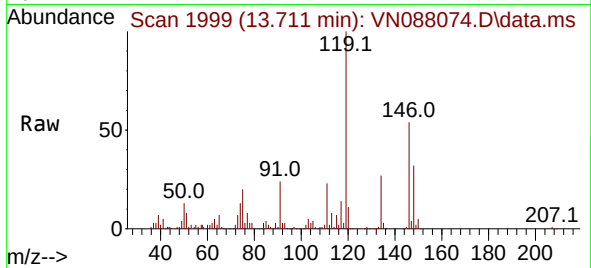
Tgt Ion:119 Resp: 311744
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 52.6
 91 25.7 0.0 48.2





#83
 1,3-Dichlorobenzene
 Concen: 19.086 ug/l
 RT: 13.711 min Scan# 1999
 Delta R.T. -0.000 min
 Lab File: VN088074.D
 Acq: 20 Oct 2025 09:59

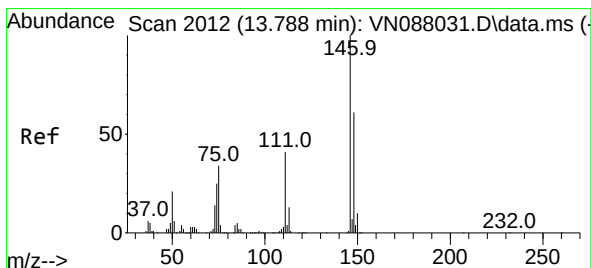
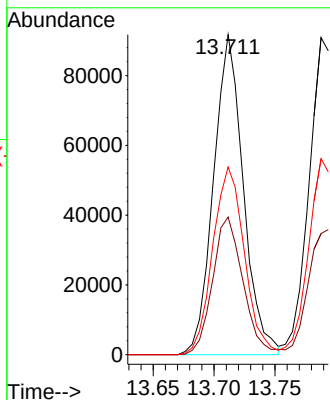
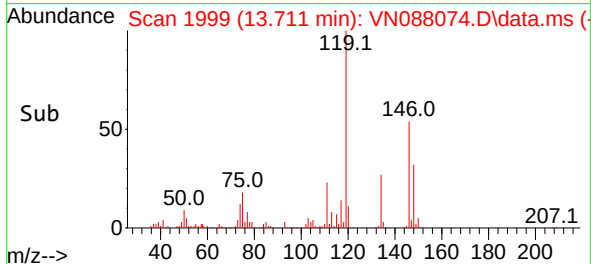
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBSD01



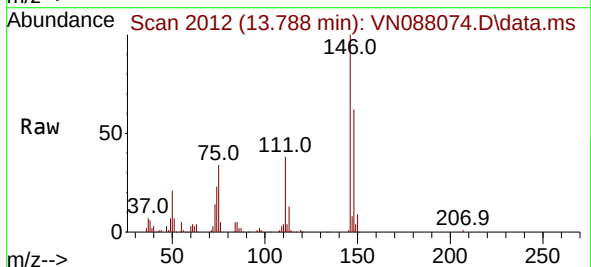
Tgt Ion:146 Resp: 156199
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.1 63.1
 148 62.3 31.5 94.5

Manual Integrations
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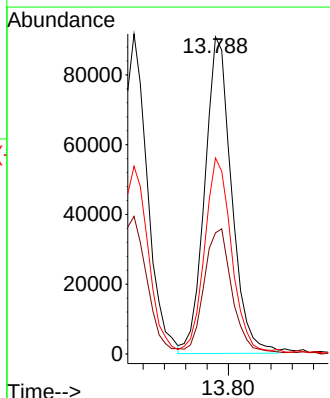
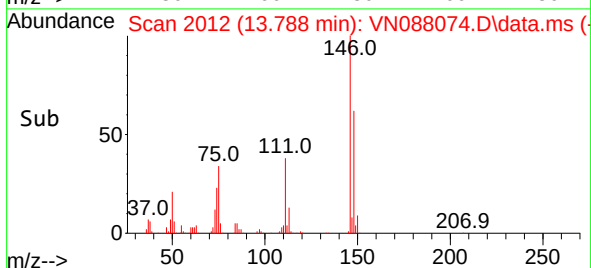
Reviewed By :John Carlone 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

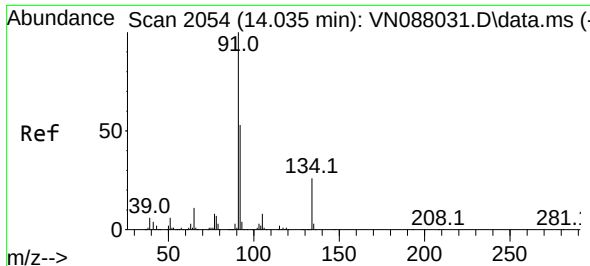


#84
 1,4-Dichlorobenzene
 Concen: 18.811 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN088074.D
 Acq: 20 Oct 2025 09:59



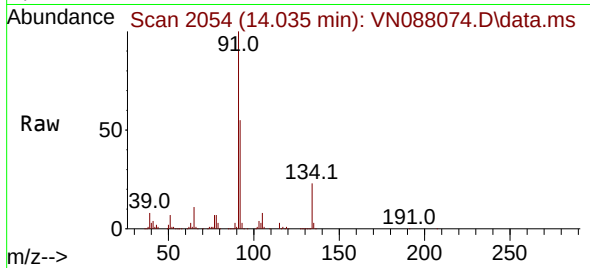
Tgt Ion:146 Resp: 158769
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.5 61.6
 148 63.1 31.9 95.9





#85
n-Butylbenzene
Concen: 20.878 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

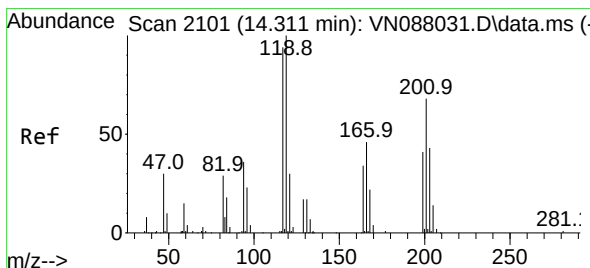
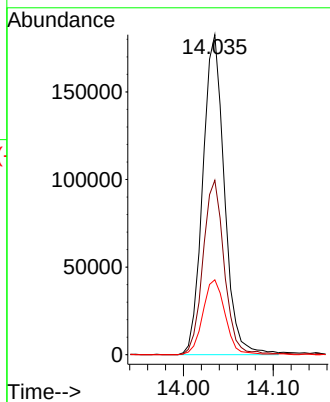
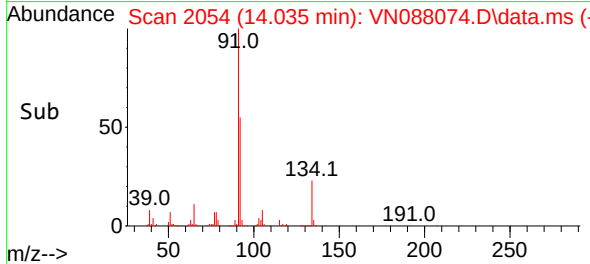
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



Tgt Ion: 91 Resp: 30555
Ion Ratio Lower Upper
91 100
92 53.0 0.0 107.6
134 24.2 0.0 52.6

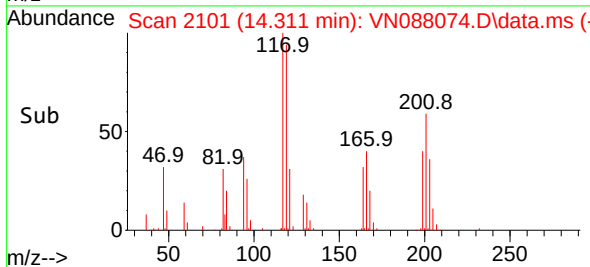
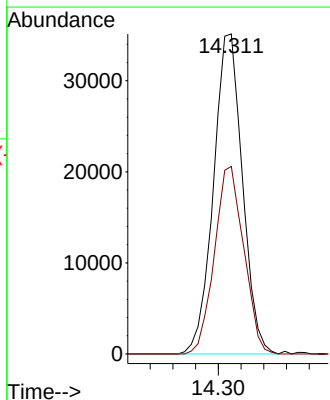
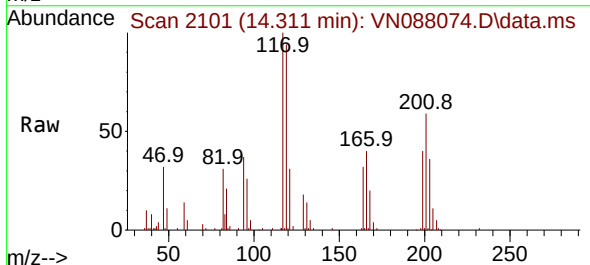
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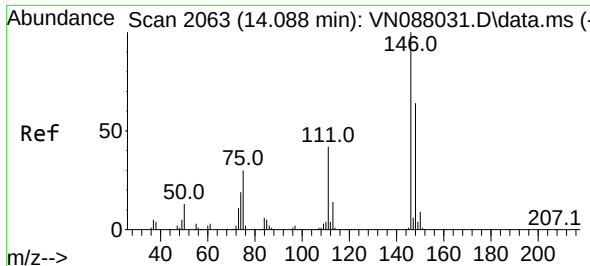
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#86
Hexachloroethane
Concen: 19.746 ug/l
RT: 14.311 min Scan# 2101
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

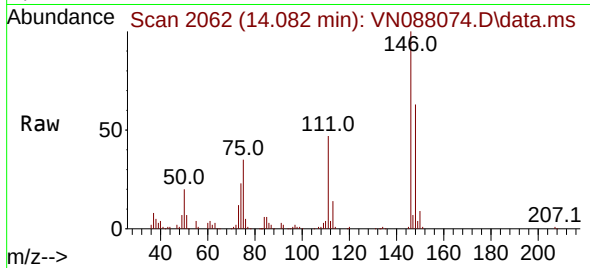
Tgt Ion:117 Resp: 62227
Ion Ratio Lower Upper
117 100
201 59.2 34.8 104.3





#87
1,2-Dichlorobenzene
Concen: 18.420 ug/l
RT: 14.082 min Scan# 2063
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

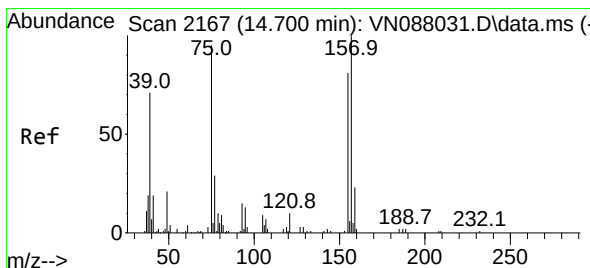
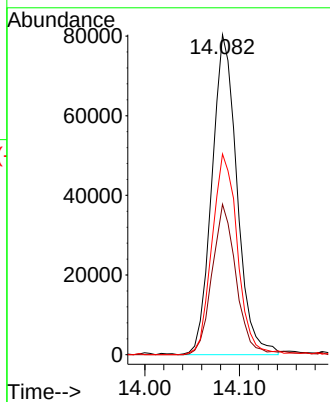
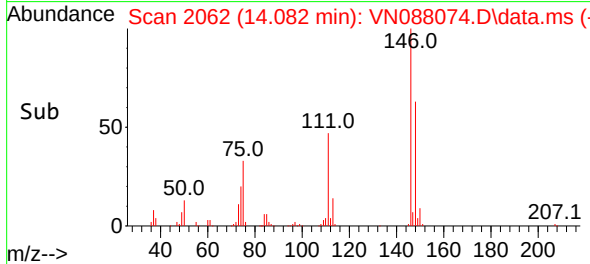
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



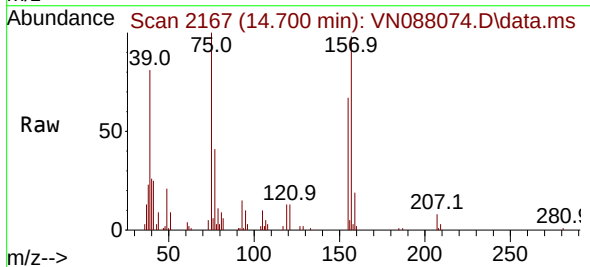
Tgt Ion:146 Resp: 14827
Ion Ratio Lower Upper
146 100
111 44.4 22.3 66.8
148 63.5 31.4 94.3

Manual Integrations
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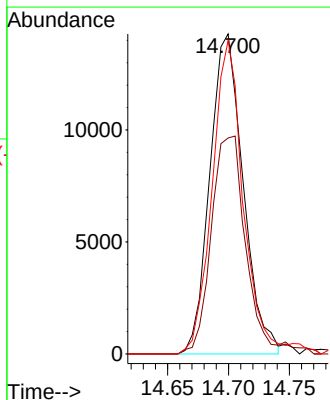
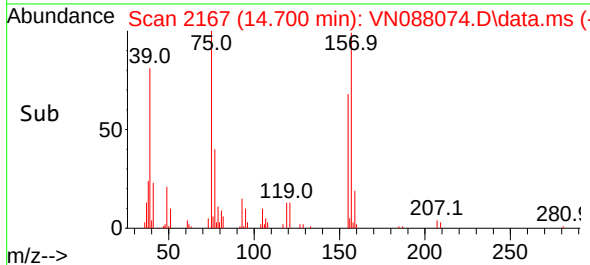
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

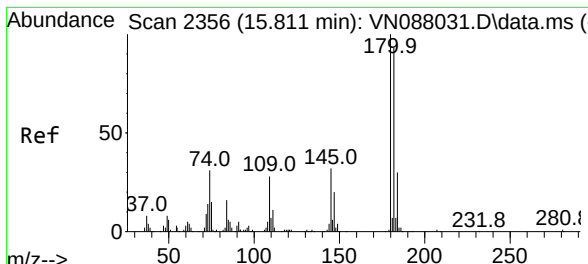


#88
1,2-Dibromo-3-Chloropropane
Concen: 19.623 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59



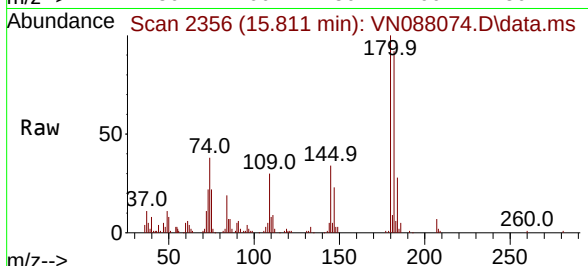
Tgt Ion: 75 Resp: 27191
Ion Ratio Lower Upper
75 100
155 69.4 63.5 95.3
157 91.0 81.7 122.5





#89
1,2,4-Trichlorobenzene
Concen: 17.428 ug/l
RT: 15.811 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

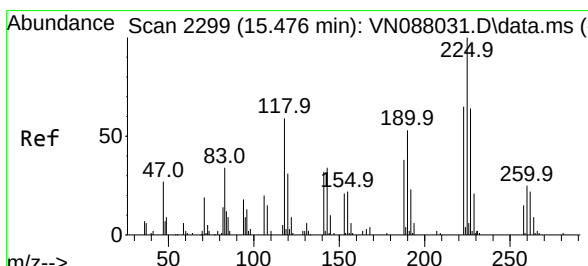
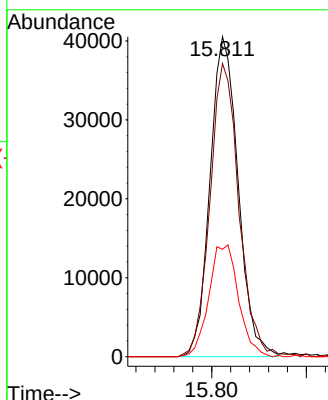
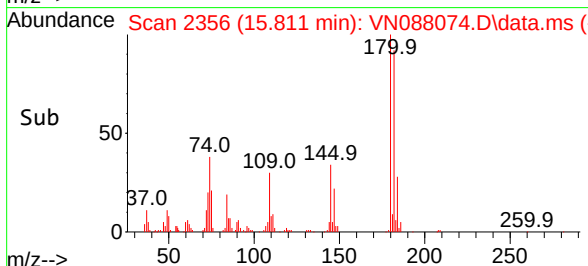
Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD01



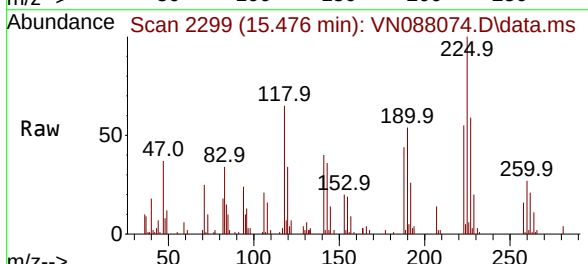
Tgt Ion:180 Resp: 8356
Ion Ratio Lower Upper
180 100
182 94.0 74.6 112.0
145 36.8 27.2 40.8

Manual Integrations
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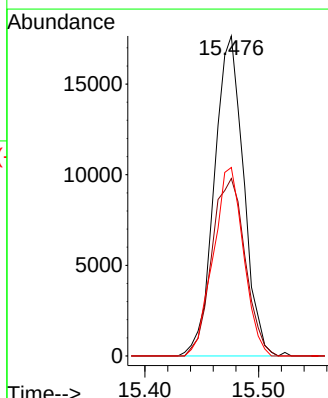
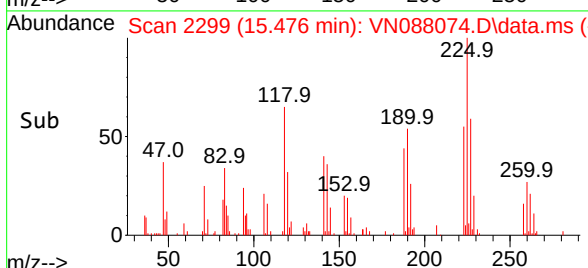
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

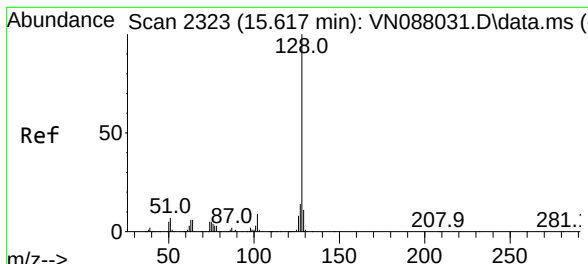


#90
Hexachlorobutadiene
Concen: 18.876 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59



Tgt Ion:225 Resp: 31500
Ion Ratio Lower Upper
225 100
223 63.3 0.0 129.6
227 61.1 0.0 132.2





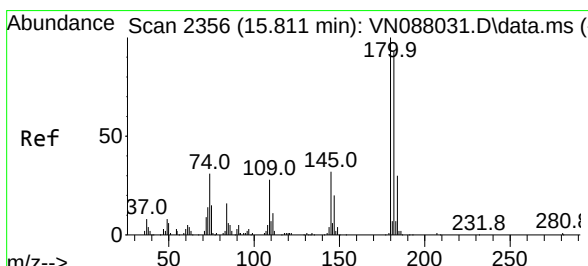
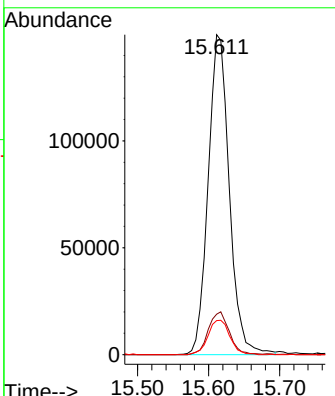
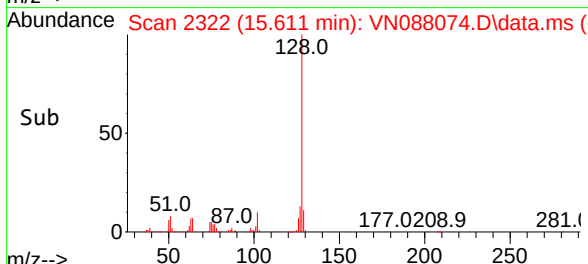
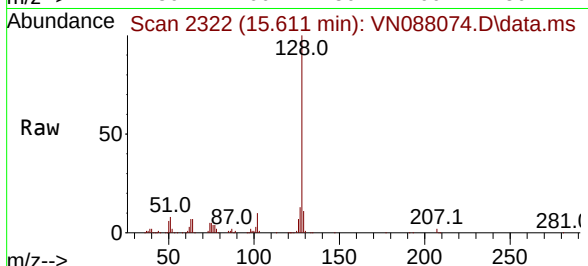
#91
Naphthalene
Concen: 17.619 ug/l
RT: 15.611 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Instrument : MSVOA_N
ClientSampleId : VN1020WBSD01

Tgt Ion:	128	Resp:	30928
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#92
1,2,3-Trichlorobenzene
Concen: 17.428 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. -0.000 min
Lab File: VN088074.D
Acq: 20 Oct 2025 09:59

Tgt Ion:	180	Resp:	83563
Ion Ratio	Lower	Upper	
180	100		
182	94.0	0.0	186.6
145	36.8	0.0	68.0

