

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
 Data File : VN088274.D
 Acq On : 13 Nov 2025 10:14
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/14/2025
 Supervised By : Semsettin Yesilyurt 11/14/2025

Quant Time: Nov 14 00:31:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:31:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	59982	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	315158	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	280094	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	163453	33.778	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 112.600%#			
60) 4-Bromofluorobenzene	12.829	95	134269	29.108	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.033%			
63) Toluene-d8	10.547	98	397107	31.297	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.333%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	15397	4.199	ug/l	99
3) Chloromethane	2.389	50	20933	5.188	ug/l	98
4) Vinyl Chloride	2.536	62	21649	5.144	ug/l	95
5) Bromomethane	2.977	94	12485	5.542	ug/l	87
6) Chloroethane	3.136	64	13983	5.095	ug/l	93
7) Trichlorofluoromethane	3.512	101	29208	5.032	ug/l	91
8) Diethyl Ether	3.959	74	12849	5.169	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.365	101	15868m	5.132	ug/l	
10) 1,1-Dichloroethene	4.330	96	15573	4.823	ug/l	95
11) Methyl Iodide	4.583	142	12669	4.056	ug/l	92
12) Methyl Acetate	5.012	43	26727	5.139	ug/l	96
13) Acrolein	4.171	56	22260m	28.039	ug/l	
14) Acrylonitrile	5.706	53	60558	24.465	ug/l	99
15) Acetone	4.430	58	16946	23.407	ug/l	93
16) Carbon Disulfide	4.712	76	52263m	5.069	ug/l	
17) Allyl chloride	5.018	41	31489	5.167	ug/l	97
18) Methylene Chloride	5.265	84	21639	5.317	ug/l	93
19) trans-1,2-Dichloroethene	5.771	96	19169	5.139	ug/l #	81
20) Diisopropyl ether	6.659	45	67510	4.944	ug/l	97
21) 1,1-Dichloroethane	6.553	63	38262	5.276	ug/l	98
22) cis-1,2-Dichloroethene	7.465	96	22622	4.954	ug/l #	90
23) tert-Butyl Alcohol	5.524	59	26385m	27.232	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	65238	4.803	ug/l #	82
25) Chloroform	7.953	83	38596	5.219	ug/l	93
26) Cyclohexane	8.229	56	28299m	4.661	ug/l	
29) 1,1-Dichloropropene	8.347	75	25434	5.410	ug/l	98
30) 2-Butanone	7.471	43	87884	26.404	ug/l #	98
31) 2,2-Dichloropropane	7.477	77	31772m	5.318	ug/l	
32) 1,1,1-Trichloroethane	8.147	97	32744	5.623	ug/l	98
33) Carbon Tetrachloride	8.341	117	27520	5.603	ug/l	85
34) Benzene	8.588	78	81926	5.397	ug/l #	93
35) Methacrylonitrile	7.759	41	18631	5.343	ug/l	93
36) 1,2-Dichloroethane	8.653	62	30747	5.714	ug/l	97
37) Trichloroethene	9.335	130	18362	5.154	ug/l	84
38) Methylcyclohexane	9.582	83	26740	4.668	ug/l	98
39) 1,2-Dichloropropane	9.600	63	21746	5.698	ug/l	99
40) Dibromomethane	9.688	93	15320	5.523	ug/l	99
41) Bromodichloromethane	9.865	83	29744	5.289	ug/l #	94
42) Vinyl Acetate	6.588	43	276230	24.145	ug/l	100

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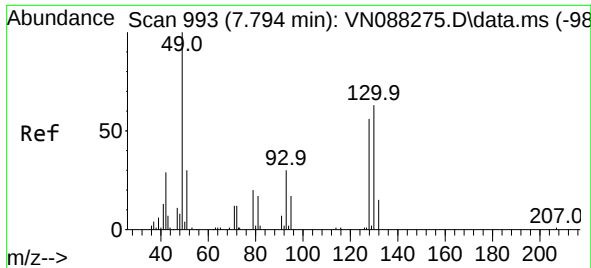
Manual Integrations
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 Supervised By : Semsettin Yesilyurt 11/14/2025

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:31:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	35436	5.467	ug/l #	81
44) Isopropyl Acetate	8.671	43	51550	4.931	ug/l	96
45) 1,4-Dioxane	9.682	88	6293	92.862	ug/l #	93
46) Methyl methacrylate	9.665	41	22745	4.800	ug/l	93
47) n-amyl Acetate	13.111	43	27105m	5.506	ug/l	
48) t-1,3-Dichloropropene	10.818	75	30392	4.911	ug/l	99
49) cis-1,3-Dichloropropene	10.294	75	31815	4.902	ug/l	99
50) 1,1,2-Trichloroethane	10.994	97	19062	5.278	ug/l	95
51) Ethyl methacrylate	10.859	69	26099m	4.302	ug/l	
52) 1,3-Dichloropropane	11.141	76	33732	5.305	ug/l	97
53) Dibromochloromethane	11.341	129	20062	4.685	ug/l	99
54) 1,2-Dibromoethane	11.447	107	19322	5.037	ug/l	90
55) 2-Chloroethyl vinyl ether	10.135	63	84863	25.902	ug/l	98
56) Bromoform	12.559	173	12003	4.198	ug/l #	99
58) 4-Methyl-2-Pentanone	10.429	43	152747	24.280	ug/l	100
59) 2-Hexanone	11.182	43	86444	20.905	ug/l	91
61) Tetrachloroethene	11.082	164	14222	4.941	ug/l	97
62) Toluene	10.612	91	80108	4.996	ug/l	99
64) Chlorobenzene	11.870	112	51274	5.070	ug/l	91
65) 1,1,1,2-Tetrachloroethane	11.941	131	17465	5.028	ug/l	100
66) Ethyl Benzene	11.941	91	82280	4.718	ug/l	90
67) m/p-Xylenes	12.053	106	61616	9.227	ug/l	96
68) o-Xylene	12.376	106	28878	4.411	ug/l	96
69) Styrene	12.394	104	47137	4.312	ug/l	97
70) Isopropylbenzene	12.670	105	74065	4.517	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.917	83	26814	4.879	ug/l	99
72) 1,2,3-Trichloropropane	12.976	75	28504m	5.588	ug/l	
73) Bromobenzene	12.959	156	18184	4.642	ug/l	98
74) n-propylbenzene	13.011	91	93306	4.685	ug/l	99
75) 2-Chlorotoluene	13.106	91	60165	4.967	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	61542	4.437	ug/l	99
77) t-1,4-Dichloro-2-butene	12.717	75	6714m	3.347	ug/l	
78) 4-Chlorotoluene	13.206	91	57871	4.703	ug/l	98
79) tert-butylbenzene	13.417	119	54661	4.578	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	59703	4.320	ug/l	99
81) sec-Butylbenzene	13.594	105	77820	4.567	ug/l	98
82) p-Isopropyltoluene	13.706	119	61858	4.288	ug/l	98
83) 1,3-Dichlorobenzene	13.717	146	33873	4.543	ug/l	96
84) 1,4-Dichlorobenzene	13.794	146	35917	4.716	ug/l	95
85) n-Butylbenzene	14.035	91	56470	4.165	ug/l	97
86) Hexachloroethane	14.311	117	13194	4.616	ug/l	98
87) 1,2-Dichlorobenzene	14.094	146	33084	4.551	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	6096	4.899	ug/l	99
89) 1,2,4-Trichlorobenzene	15.817	180	18113	4.257	ug/l	98
90) Hexachlorobutadiene	15.470	225	7223	4.707	ug/l	96
91) Naphthalene	15.617	128	61691	3.973	ug/l	98
92) 1,2,3-Trichlorobenzene	15.817	180	18113	4.257	ug/l	98

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



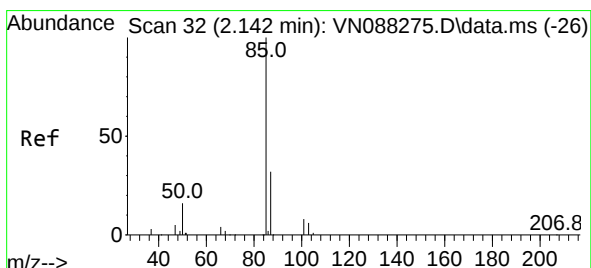
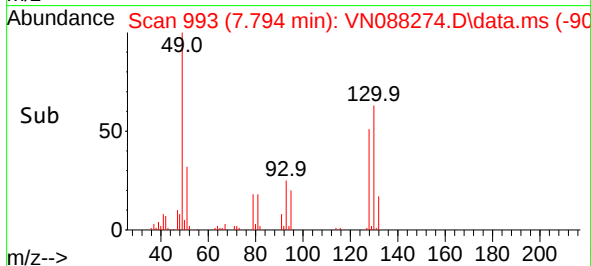
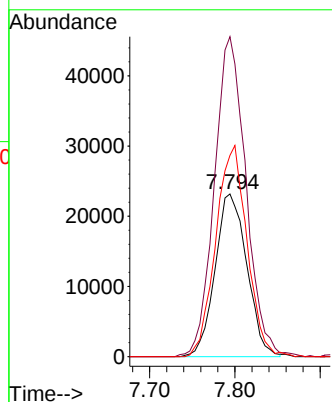
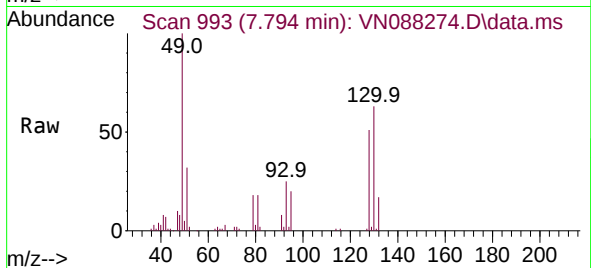
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 59982
Ion Ratio Lower Upper
128 100
49 194.7 0.0 501.2
130 127.0 0.0 320.2

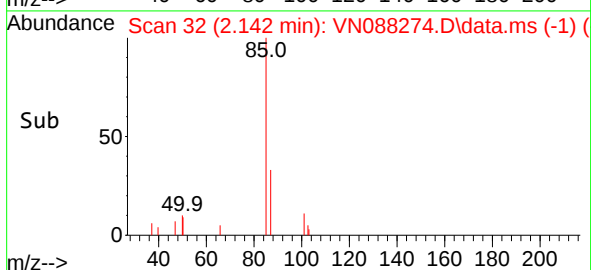
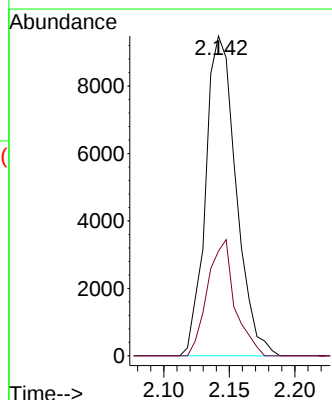
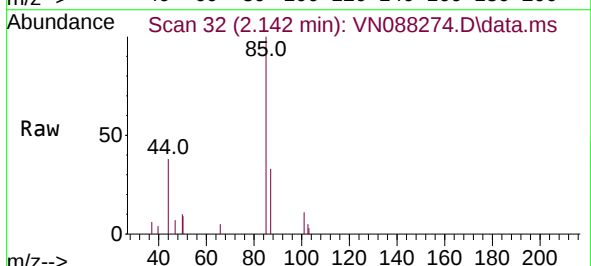
Manual Integrations
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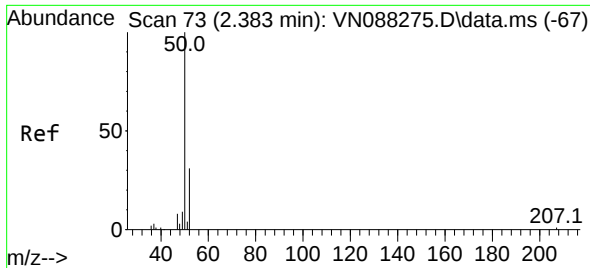
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#2
Dichlorodifluoromethane
Concen: 4.199 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

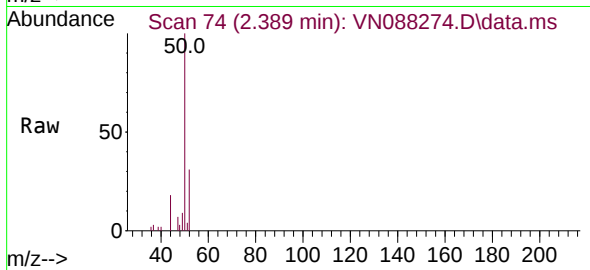
Tgt Ion: 85 Resp: 15397
Ion Ratio Lower Upper
85 100
87 32.7 16.0 48.0





#3
Chloromethane
Concen: 5.188 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

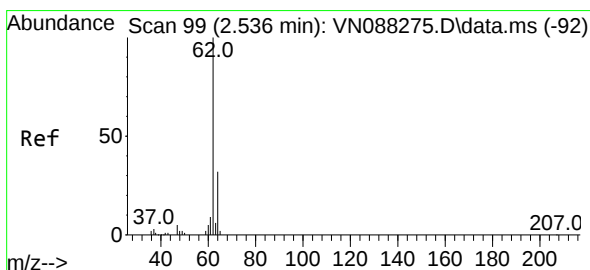
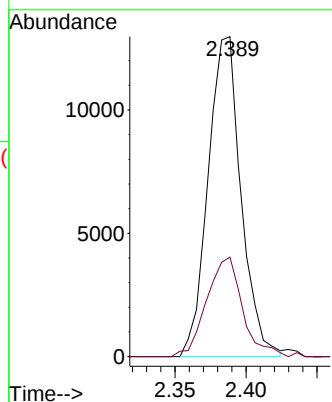
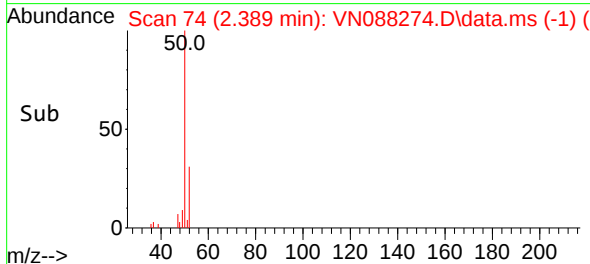
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



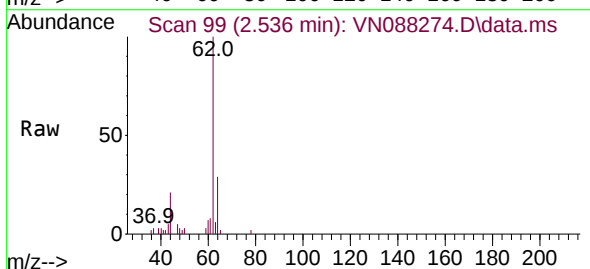
Tgt Ion: 50 Resp: 20933
Ion Ratio Lower Upper
50 100
52 29.8 24.6 36.8

Manual Integrations
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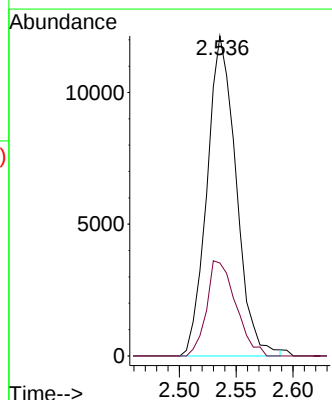
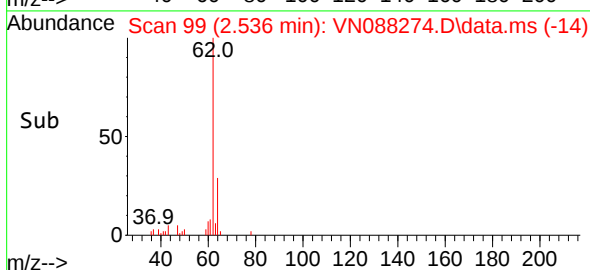
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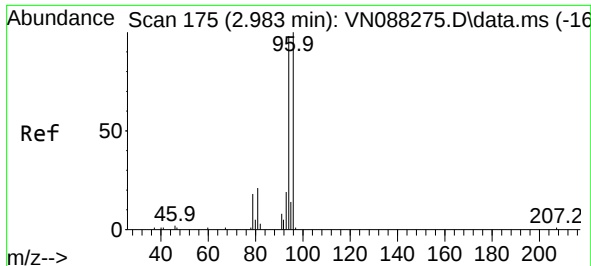


#4
Vinyl Chloride
Concen: 5.144 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14



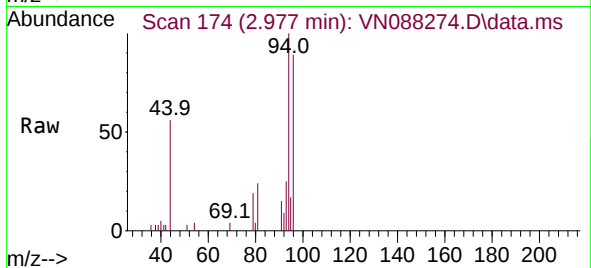
Tgt Ion: 62 Resp: 21649
Ion Ratio Lower Upper
62 100
64 29.0 25.4 38.2





#5
Bromomethane
Concen: 5.542 ug/l
RT: 2.977 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

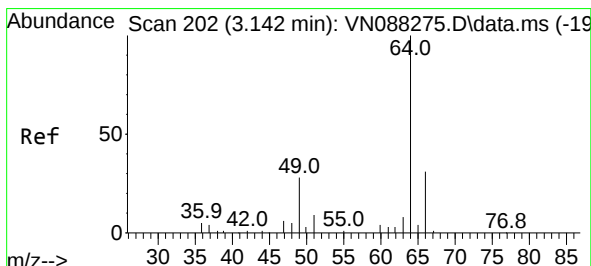
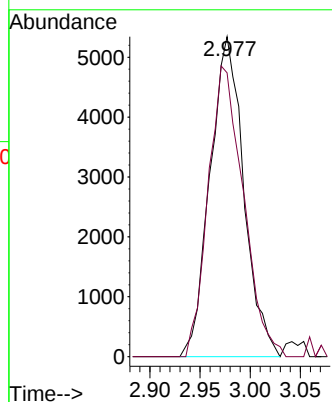
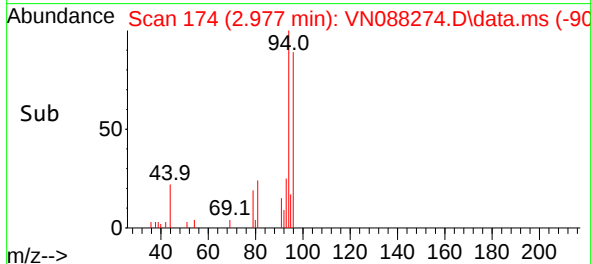
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



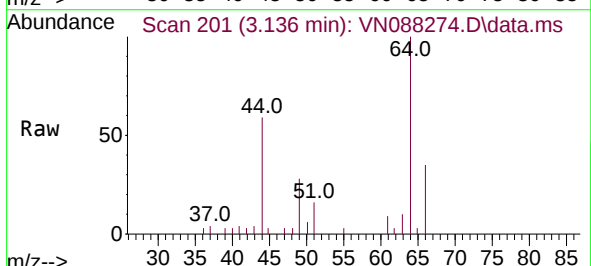
Tgt Ion: 94 Resp: 12485
Ion Ratio Lower Upper
94 100
96 88.7 81.3 121.9

Manual Integrations
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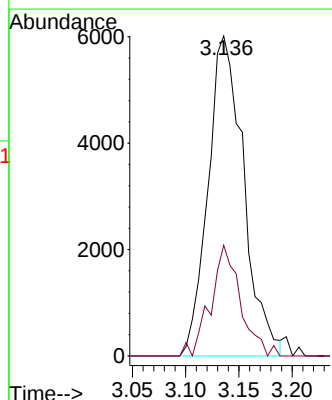
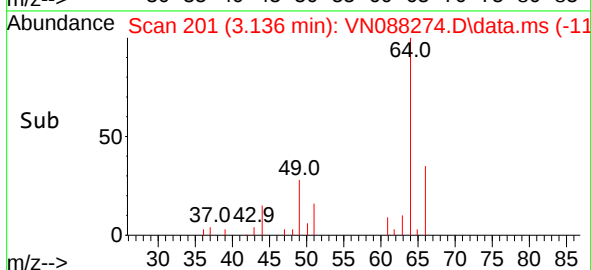
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Supervised By :Semsettin Yesilyurt 11/14/2025

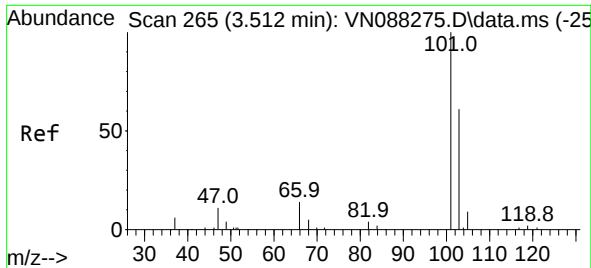


#6
Chloroethane
Concen: 5.095 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14



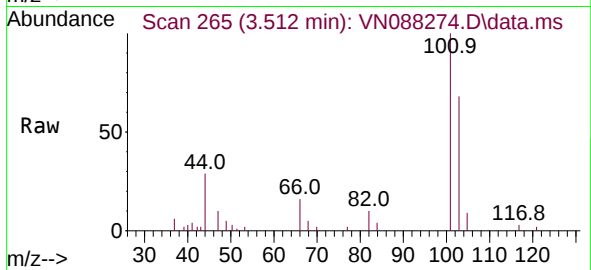
Tgt Ion: 64 Resp: 13983
Ion Ratio Lower Upper
64 100
66 34.6 24.7 37.1





#7
 Trichlorofluoromethane
 Concen: 5.032 ug/l
 RT: 3.512 min Scan# 265
 Delta R.T. -0.000 min
 Lab File: VN088274.D
 Acq: 13 Nov 2025 10:14

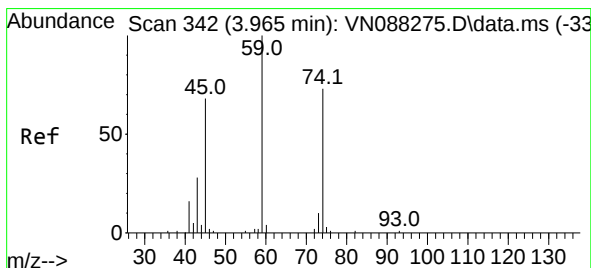
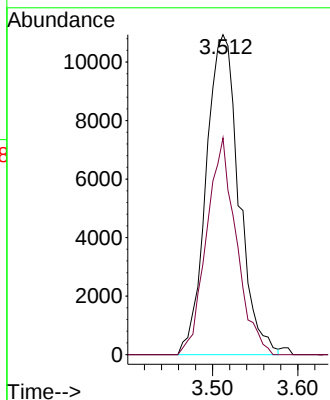
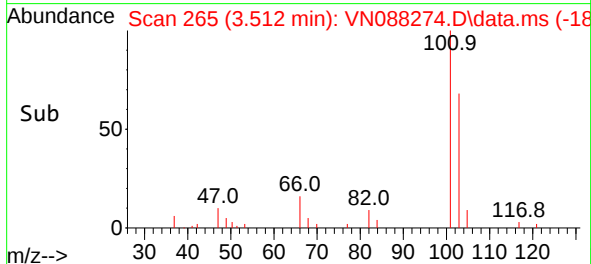
Instrument :
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Tgt Ion:101 Resp: 29208
 Ion Ratio Lower Upper
 101 100
 103 67.7 48.6 73.0

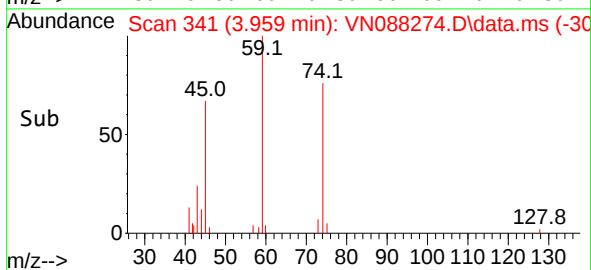
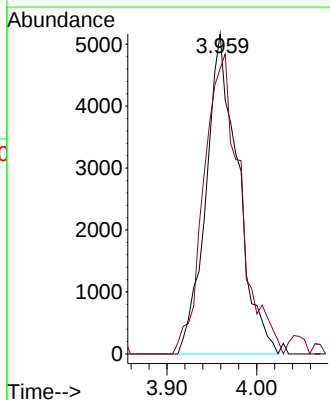
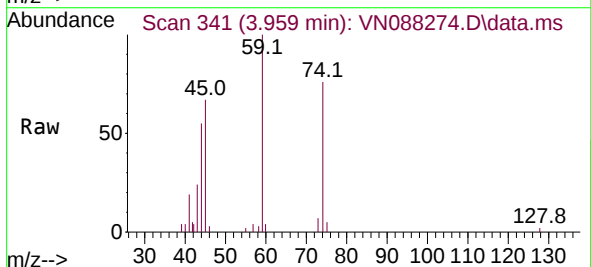
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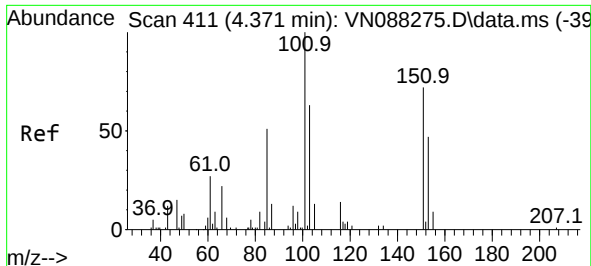
Reviewed By :John Carlone 11/14/2025
 Supervised By :Semsettin Yesilyurt 11/14/2025



#8
 Diethyl Ether
 Concen: 5.169 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. -0.006 min
 Lab File: VN088274.D
 Acq: 13 Nov 2025 10:14

Tgt Ion: 74 Resp: 12849
 Ion Ratio Lower Upper
 74 100
 45 84.9 20.9 187.7





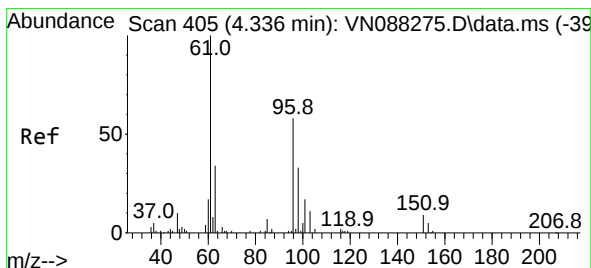
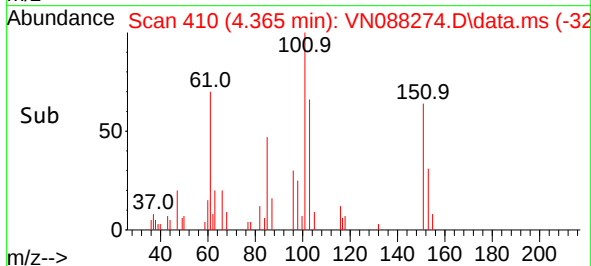
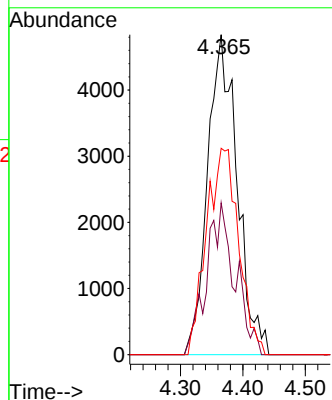
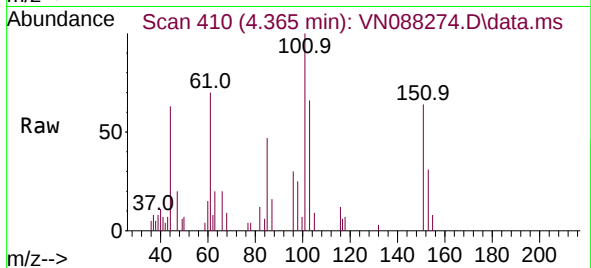
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1,1,2-Trichlorotrifluoroethane
Concen: 5.132 ug/l m
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 1586
Ion Ratio Lower Upper
101 100
85 17.4 0.0 100.8
151 47.9 0.0 138.4

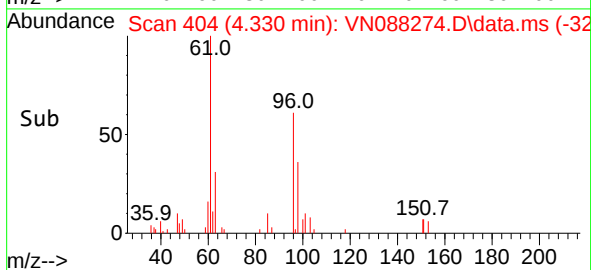
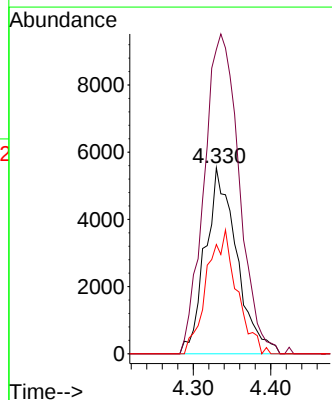
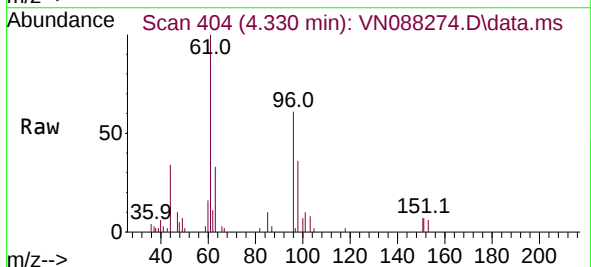
Manual Integrations
APPROVED

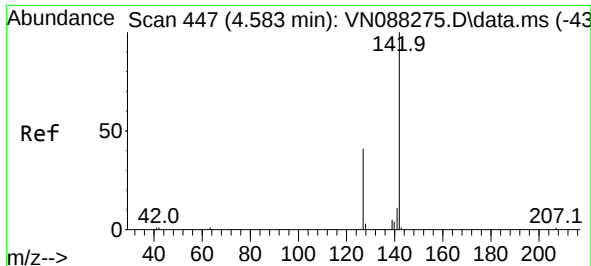
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#10
1,1-Dichloroethene
Concen: 4.823 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

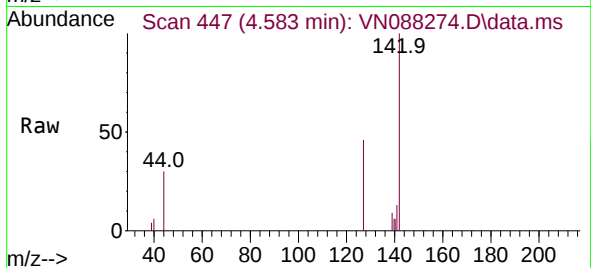
Tgt Ion: 96 Resp: 15573
Ion Ratio Lower Upper
96 100
61 163.7 137.8 206.8
98 58.8 45.6 68.4





#11
Methyl Iodide
Concen: 4.056 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

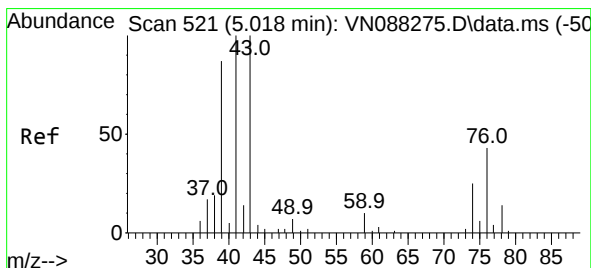
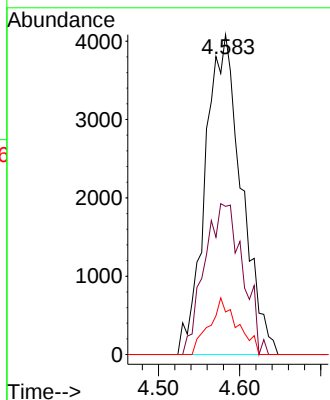
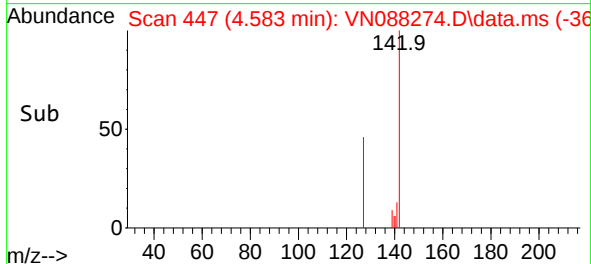
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion:142 Resp: 12669
Ion Ratio Lower Upper
142 100
127 46.3 20.4 61.2
141 13.3 5.6 16.8

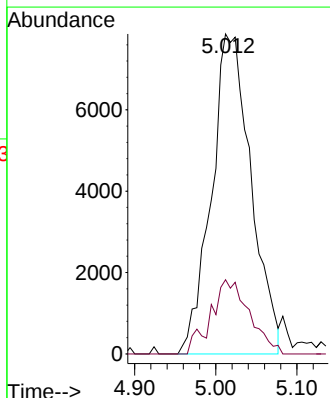
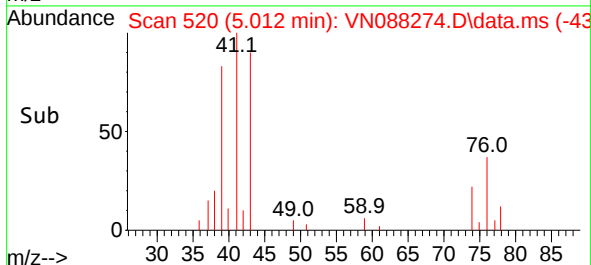
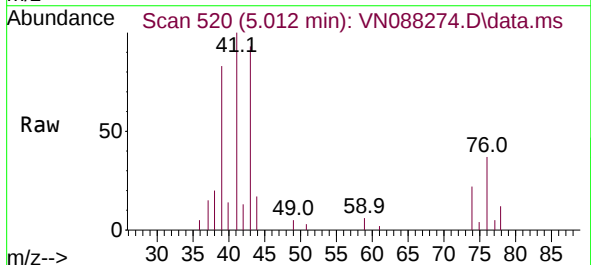
Manual Integrations
APPROVED

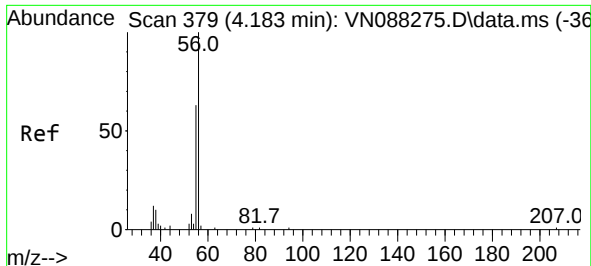
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#12
Methyl Acetate
Concen: 5.139 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Tgt Ion: 43 Resp: 26727
Ion Ratio Lower Upper
43 100
74 22.7 19.8 29.8





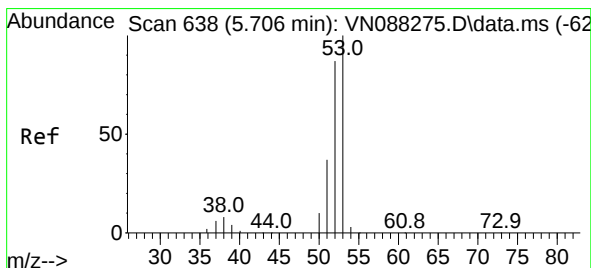
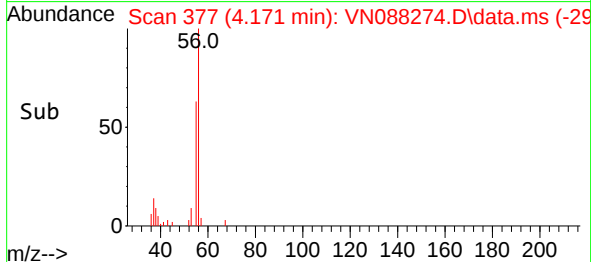
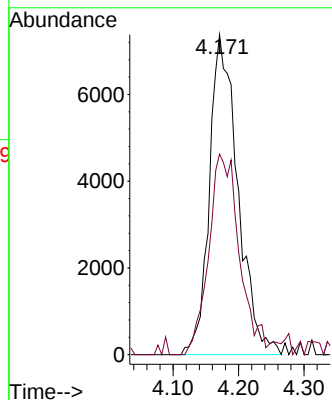
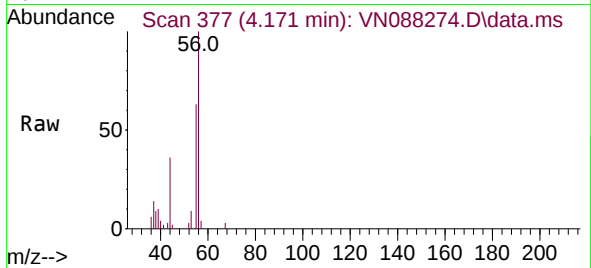
#13
Acrolein
Concen: 28.039 ug/l m
RT: 4.171 min Scan# 379
Delta R.T. -0.012 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 22260
Ion Ratio Lower Upper
56 100
55 41.9 57.9 86.9

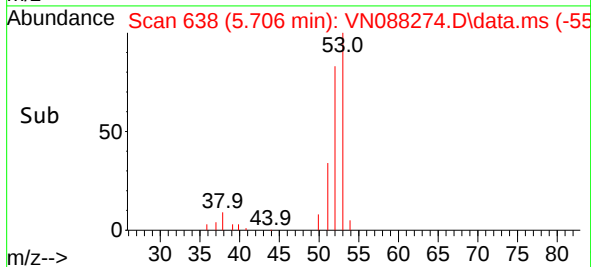
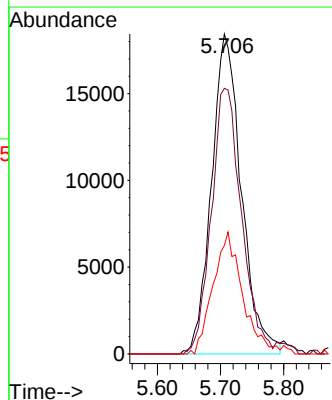
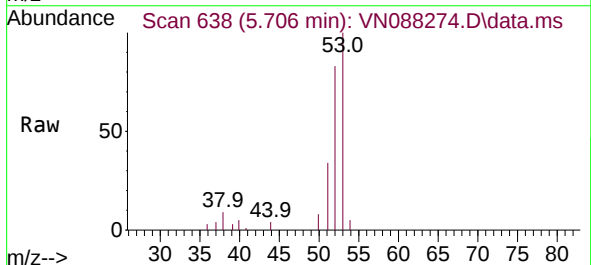
Manual Integrations
APPROVED

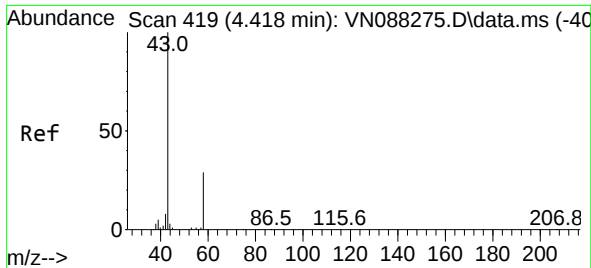
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#14
Acrylonitrile
Concen: 24.465 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

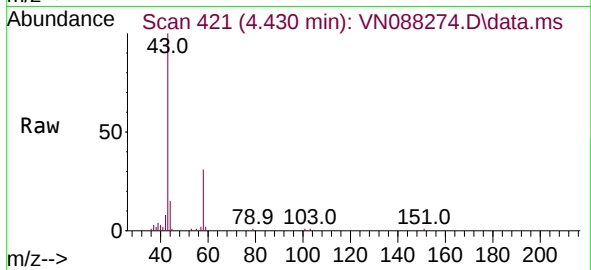
Tgt Ion: 53 Resp: 60558
Ion Ratio Lower Upper
53 100
52 83.6 42.3 126.9
51 36.8 18.4 55.2





#15
Acetone
Concen: 23.407 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

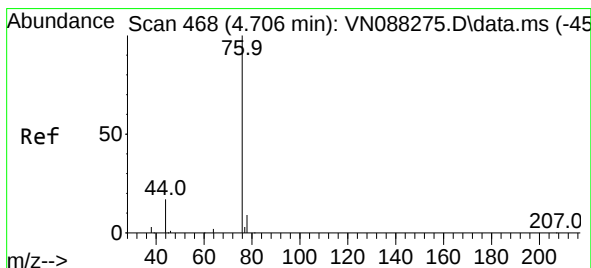
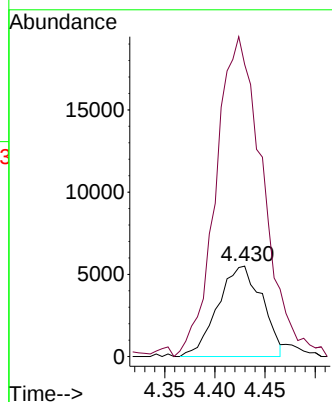
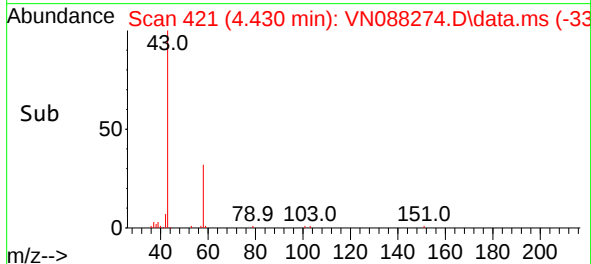
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



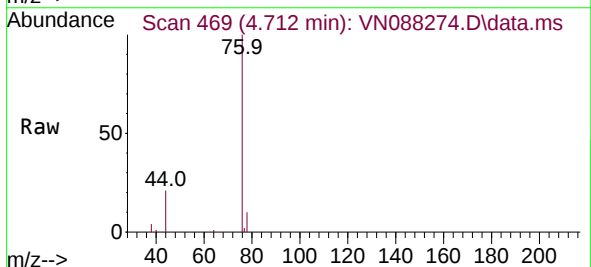
Tgt Ion: 58 Resp: 16946
Ion Ratio Lower Upper
58 100
43 327.8 273.9 410.9

Manual Integrations
APPROVED

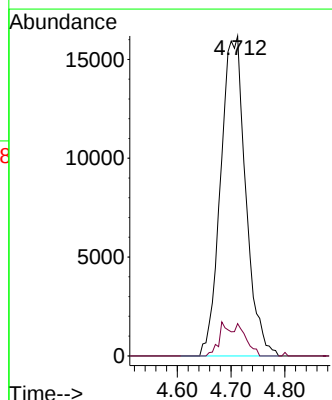
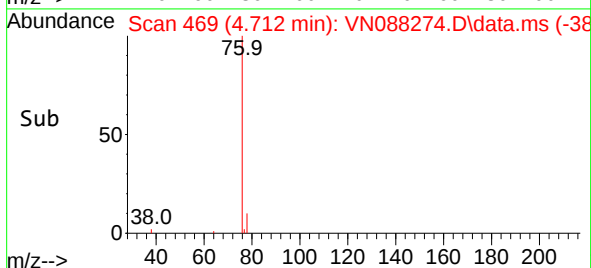
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

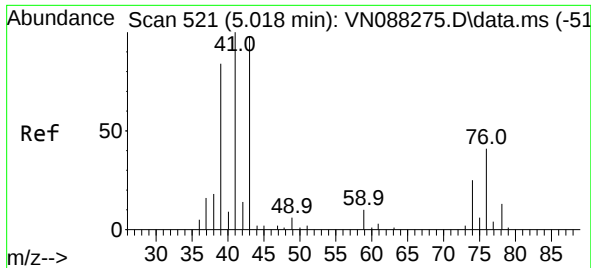


#16
Carbon Disulfide
Concen: 5.069 ug/l m
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14



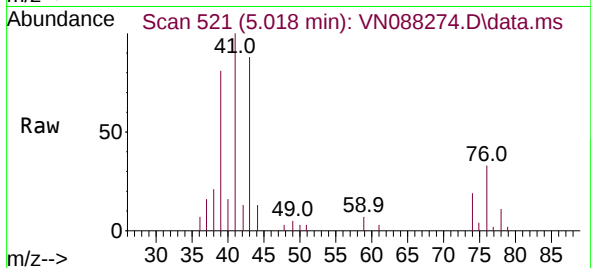
Tgt Ion: 76 Resp: 52263
Ion Ratio Lower Upper
76 100
78 10.1 7.5 11.3





#17
Allyl chloride
Concen: 5.167 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

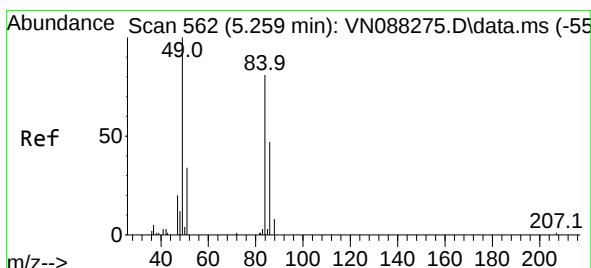
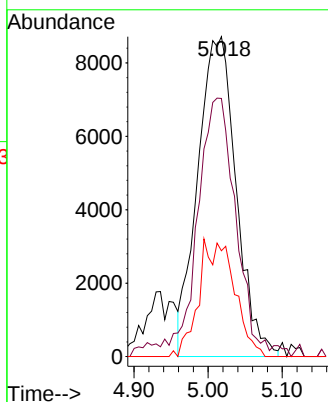
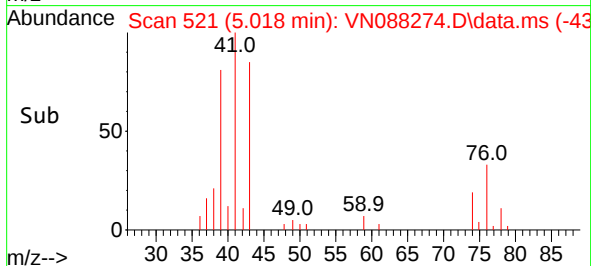
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



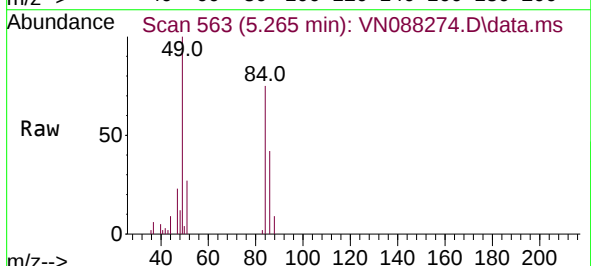
Tgt Ion: 41 Resp: 31489
Ion Ratio Lower Upper
41 100
39 78.7 38.3 114.9
76 33.7 18.5 55.5

Manual Integrations
APPROVED

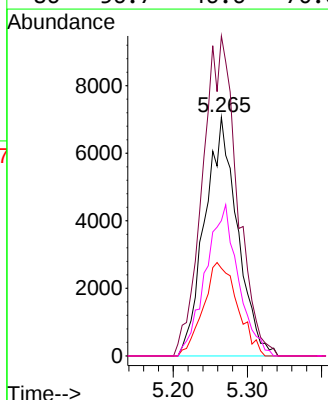
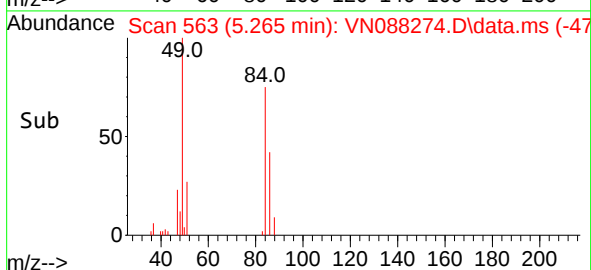
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

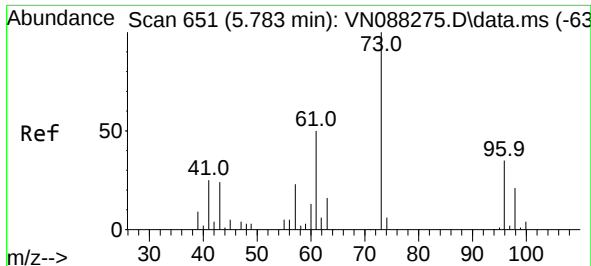


#18
Methylene Chloride
Concen: 5.317 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14



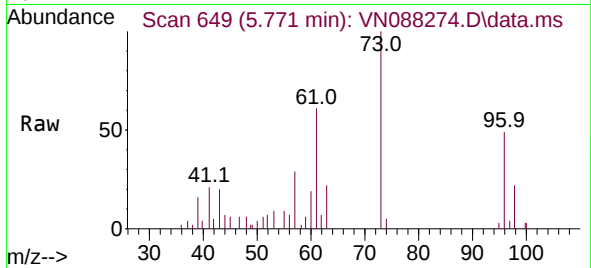
Tgt Ion: 84 Resp: 21639
Ion Ratio Lower Upper
84 100
49 134.1 98.7 148.1
51 36.7 33.7 50.5
86 56.7 46.6 70.0





#19
trans-1,2-Dichloroethene
Concen: 5.139 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.012 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

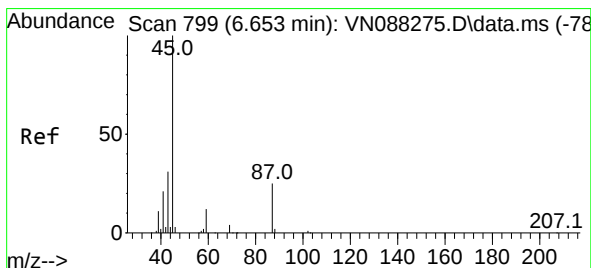
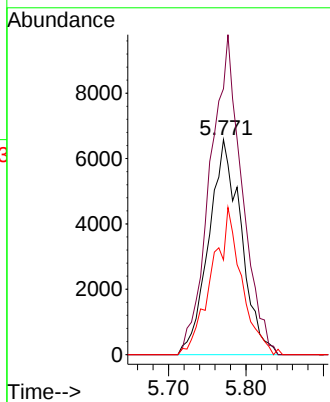
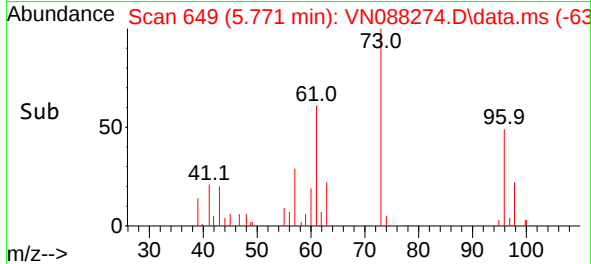
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



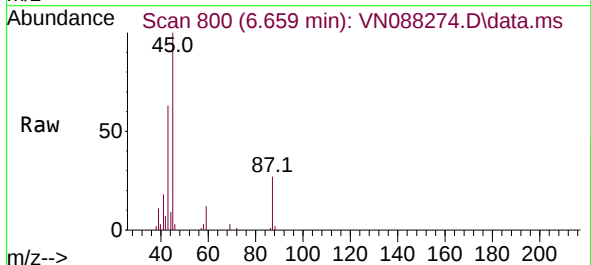
Tgt Ion: 96 Resp: 19169
Ion Ratio Lower Upper
96 100
61 123.6 117.0 175.4
98 44.0 48.6 72.8

Manual Integrations
APPROVED

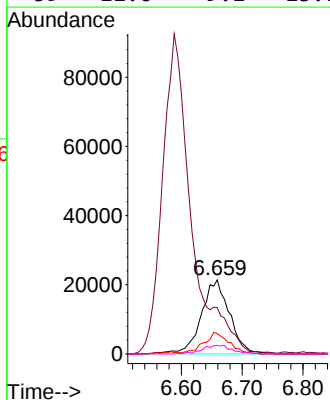
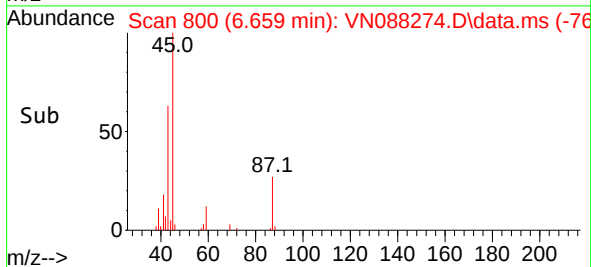
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

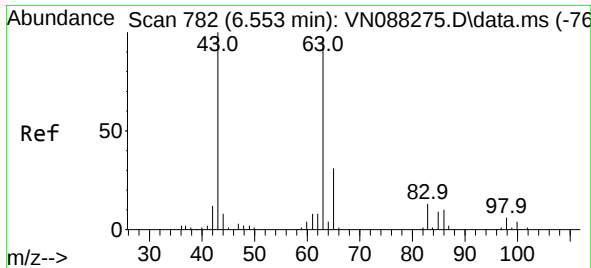


#20
Diisopropyl ether
Concen: 4.944 ug/l
RT: 6.659 min Scan# 800
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14



Tgt Ion: 45 Resp: 67510
Ion Ratio Lower Upper
45 100
43 61.5 51.9 77.9
87 27.4 21.1 31.7
59 11.6 9.1 13.7





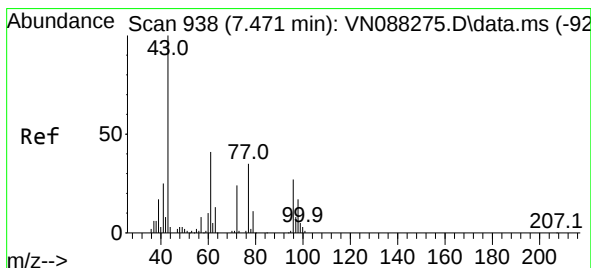
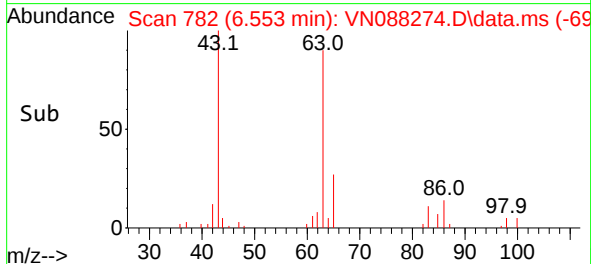
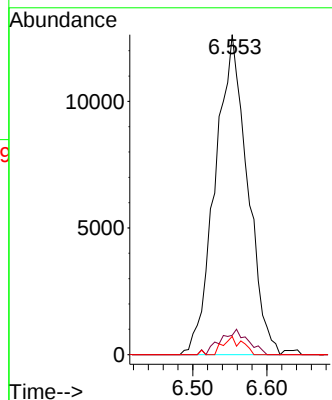
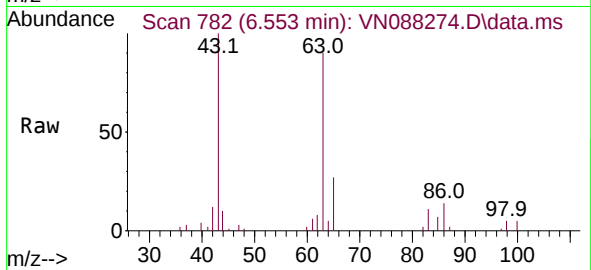
#21
1,1-Dichloroethane
Concen: 5.276 ug/l
RT: 6.553 min Scan# 782
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 38262
Ion Ratio Lower Upper
63 100
98 6.0 3.0 9.0
100 5.7 2.1 6.3

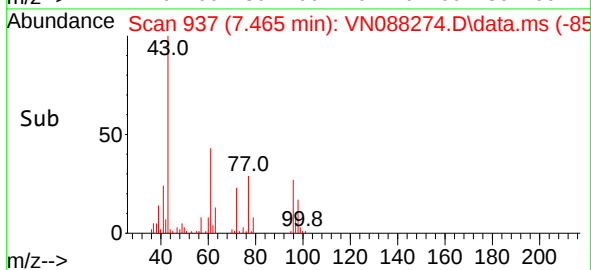
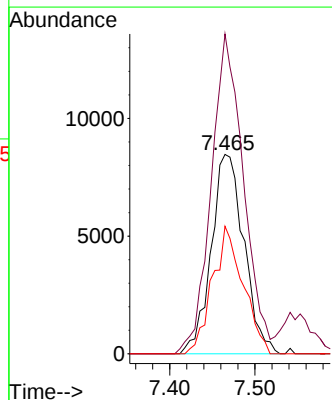
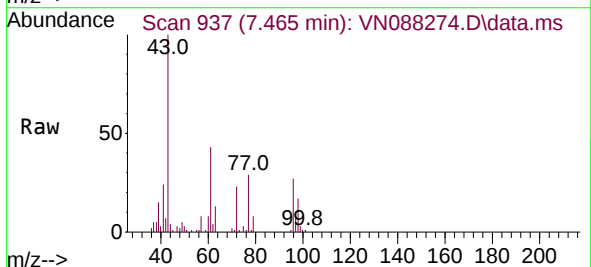
Manual Integrations
APPROVED

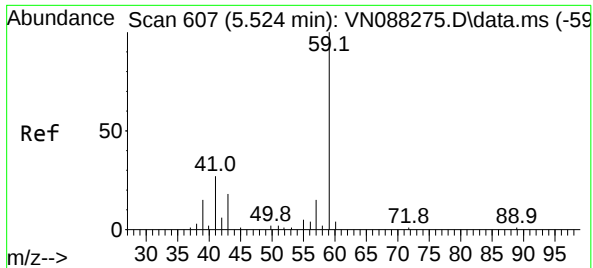
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#22
cis-1,2-Dichloroethene
Concen: 4.954 ug/l
RT: 7.465 min Scan# 937
Delta R.T. -0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Tgt Ion: 96 Resp: 22622
Ion Ratio Lower Upper
96 100
61 158.0 131.2 196.8
98 45.0 51.0 76.4#





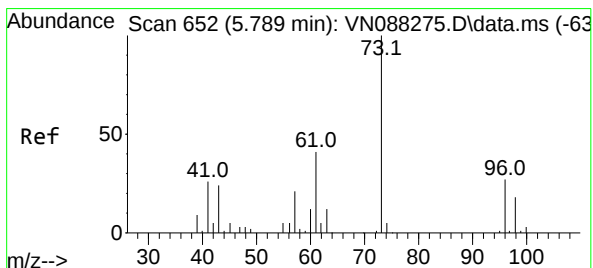
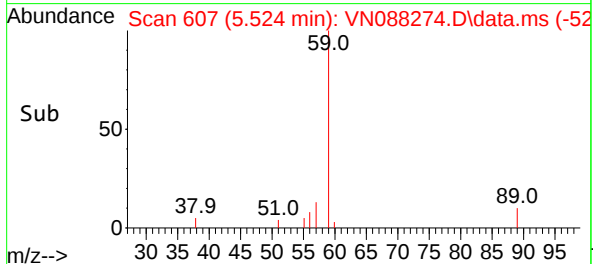
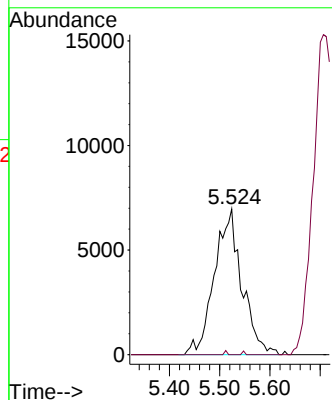
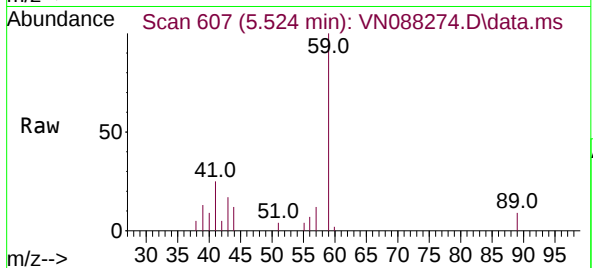
#23
tert-Butyl Alcohol
Concen: 27.232 ug/l m
RT: 5.524 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 26385
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

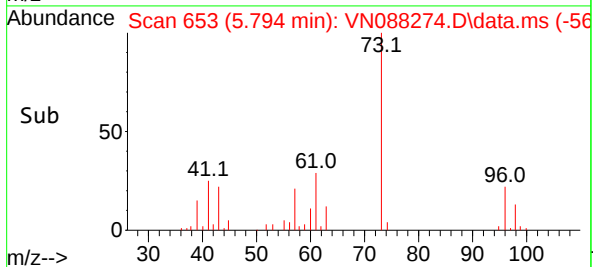
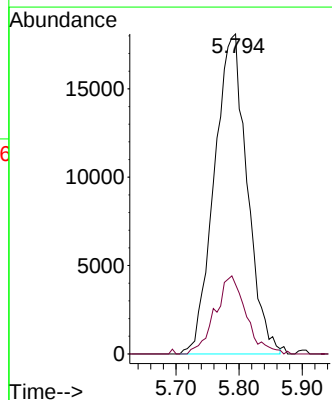
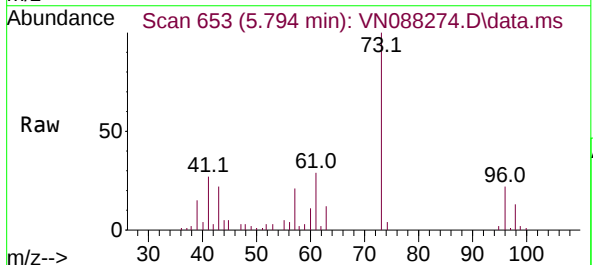
Manual Integrations
APPROVED

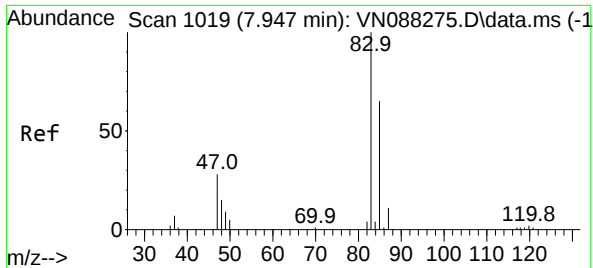
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#24
Methyl tert-Butyl Ether
Concen: 4.803 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Tgt Ion: 73 Resp: 65238
Ion Ratio Lower Upper
73 100
43 14.4 18.5 27.7#





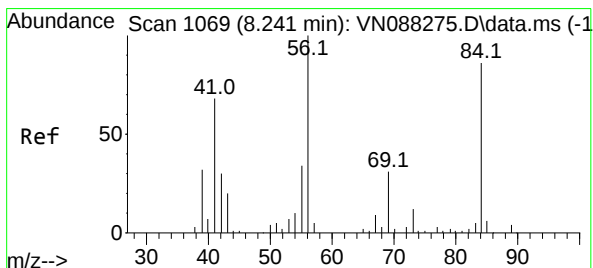
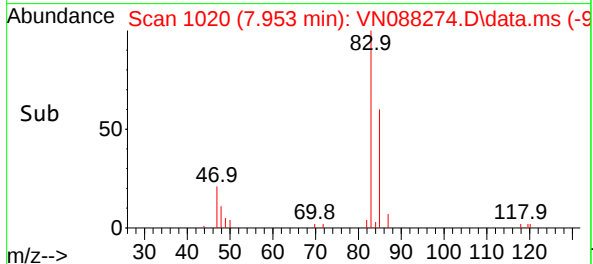
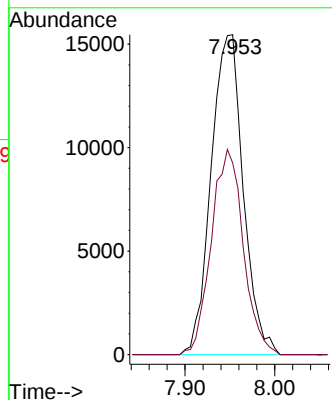
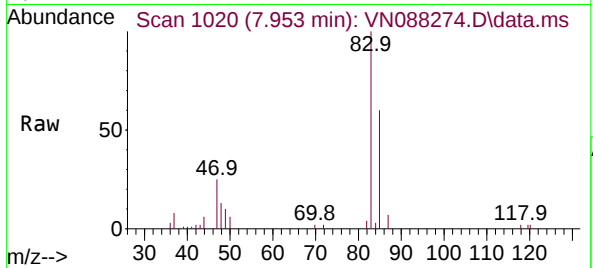
#25
Chloroform
Concen: 5.219 ug/l
RT: 7.953 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 38596
Ion Ratio Lower Upper
83 100
85 59.9 52.2 78.4

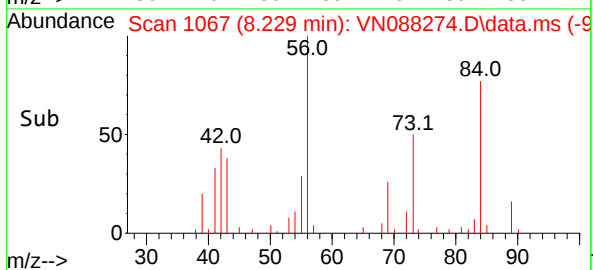
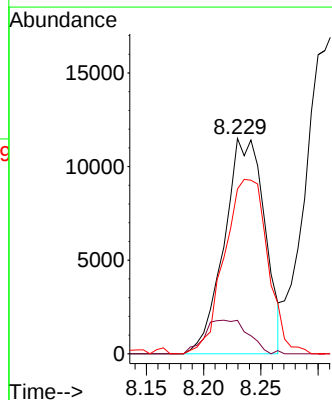
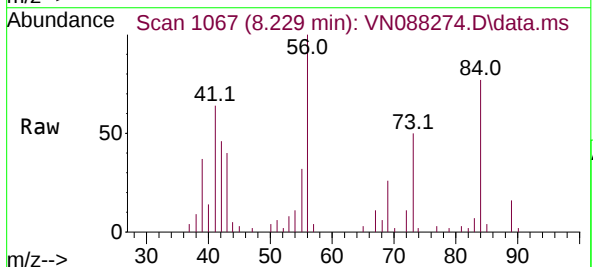
Manual Integrations
APPROVED

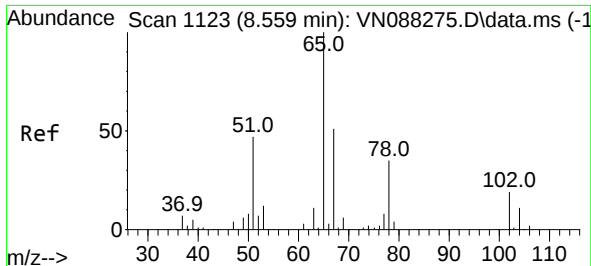
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#26
Cyclohexane
Concen: 4.661 ug/l m
RT: 8.229 min Scan# 1067
Delta R.T. -0.012 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Tgt Ion: 56 Resp: 28299
Ion Ratio Lower Upper
56 100
89 10.8 7.3 10.9
84 86.6 67.8 101.8





#27

1,2-Dichloroethane-d4

Concen: 33.778 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088274.D

Acq: 13 Nov 2025 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 16345

Ion Ratio Lower Upper

65 100

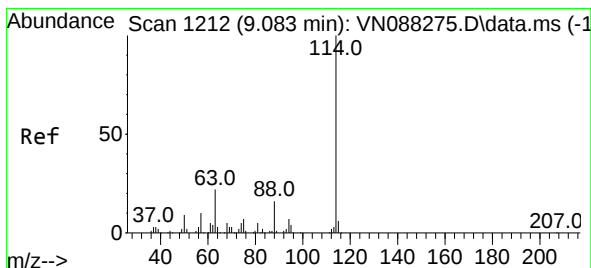
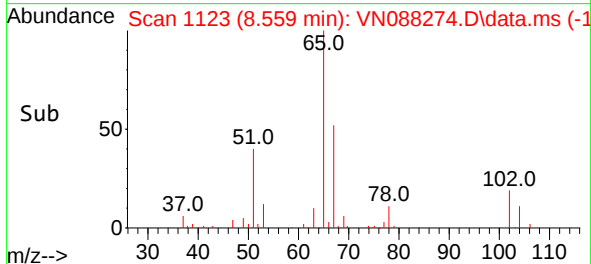
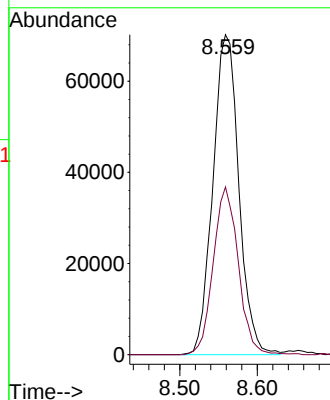
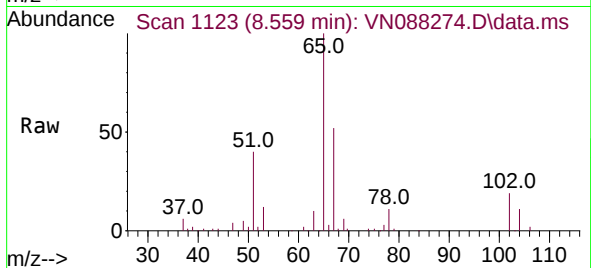
67 50.4 40.2 60.2

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Reviewed By :John Carlone 11/14/2025

Supervised By :Semsettin Yesilyurt 11/14/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088274.D

Acq: 13 Nov 2025 10:14

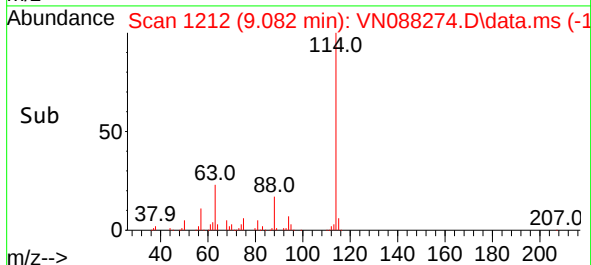
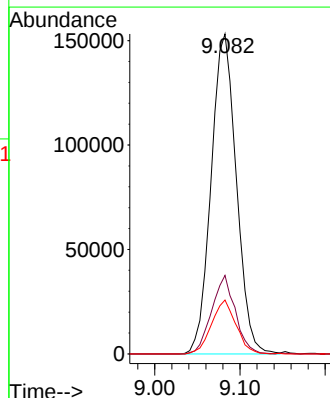
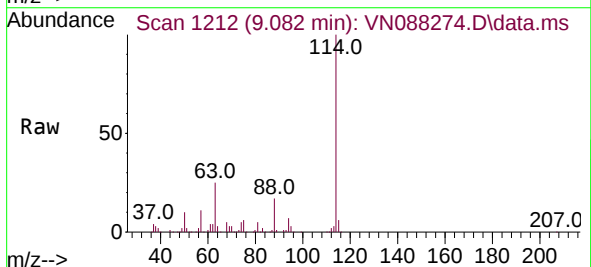
Tgt Ion:114 Resp: 315158

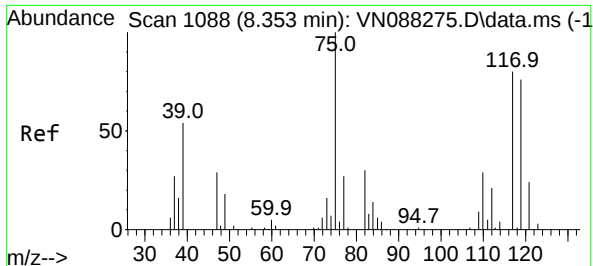
Ion Ratio Lower Upper

114 100

63 23.0 18.9 28.3

88 16.3 12.8 19.2





#29

1,1-Dichloropropene

Concen: 5.410 ug/l

RT: 8.347 min Scan# 1087

Delta R.T. -0.006 min

Lab File: VN088274.D

Acq: 13 Nov 2025 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

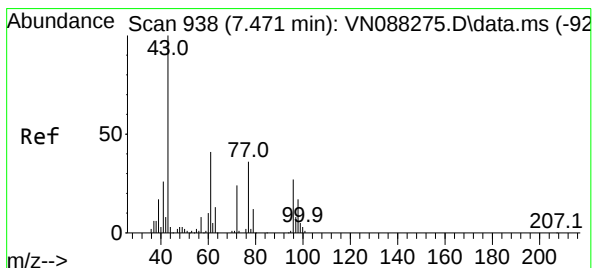
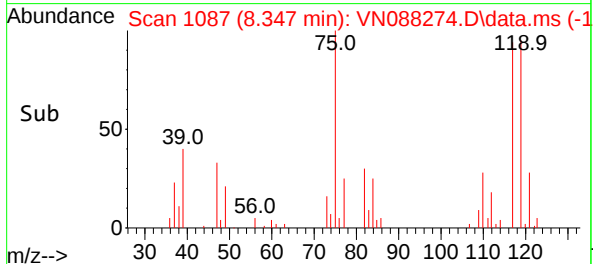
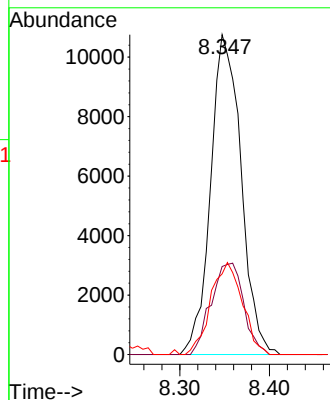
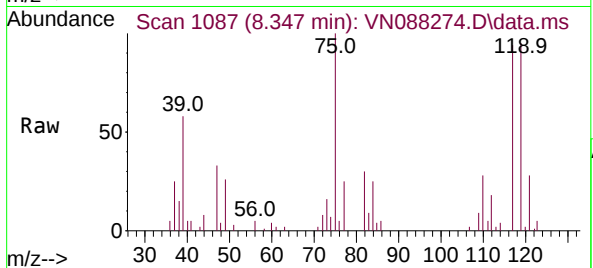
Tgt Ion: 75	Resp: 25434
Ion Ratio	Lower Upper
75 100	
110 30.5	0.0 65.6
77 30.0	0.0 60.8

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Semsettin Yesilyurt 11/14/2025



#30

2-Butanone

Concen: 26.404 ug/l

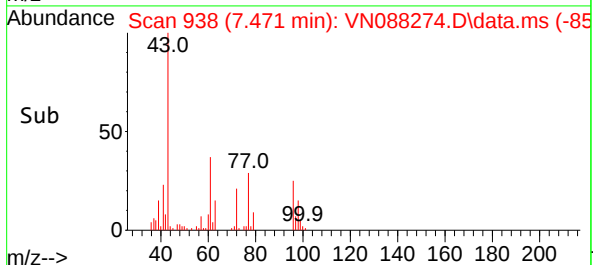
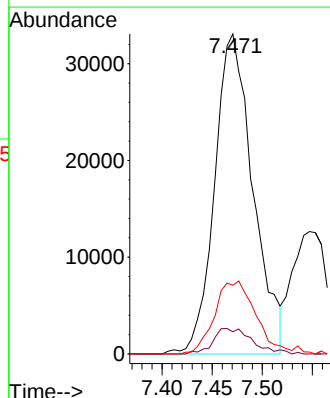
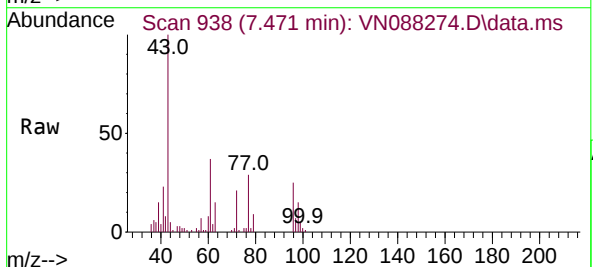
RT: 7.471 min Scan# 938

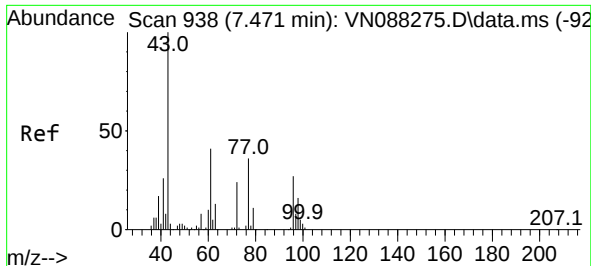
Delta R.T. -0.000 min

Lab File: VN088274.D

Acq: 13 Nov 2025 10:14

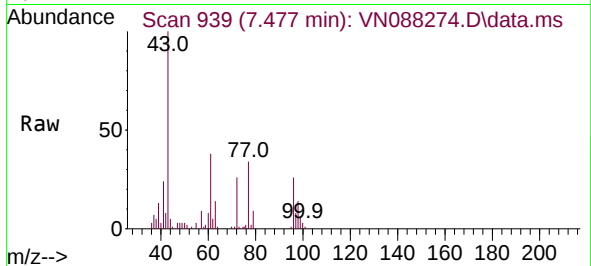
Tgt Ion: 43	Resp: 87884
Ion Ratio	Lower Upper
43 100	
57 4.3	6.2 9.4#
72 24.3	19.4 29.2





#31
2,2-Dichloropropane
Concen: 5.318 ug/l m
RT: 7.477 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

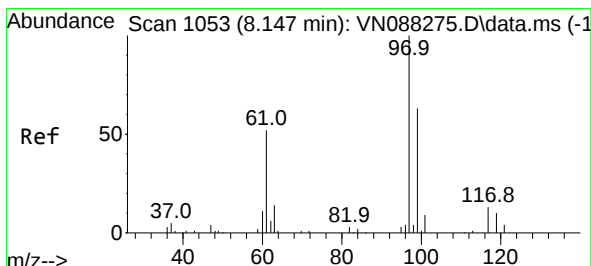
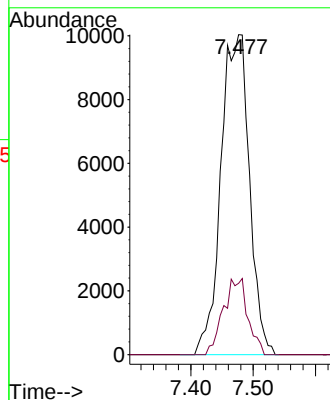
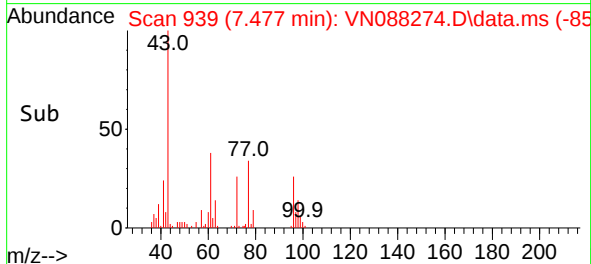
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 77 Resp: 31772
Ion Ratio Lower Upper
77 100
97 11.1 16.8 25.2

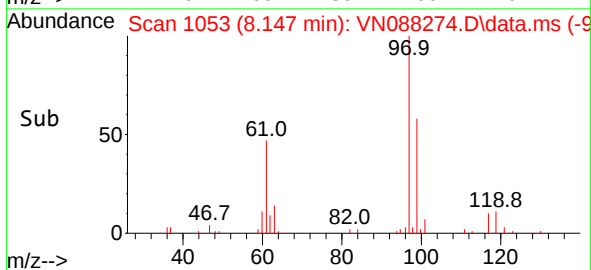
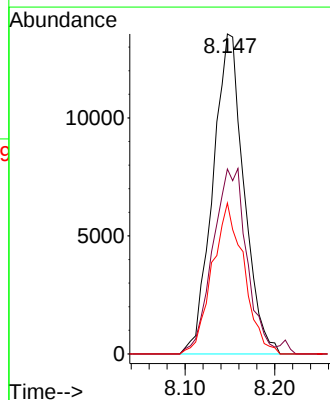
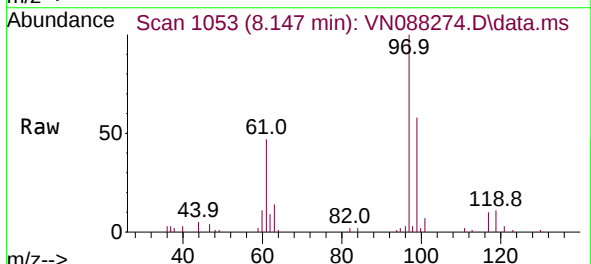
Manual Integrations
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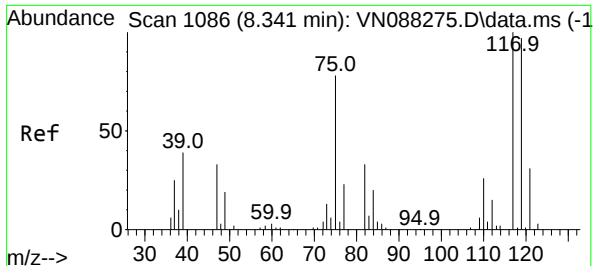
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#32
1,1,1-Trichloroethane
Concen: 5.623 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

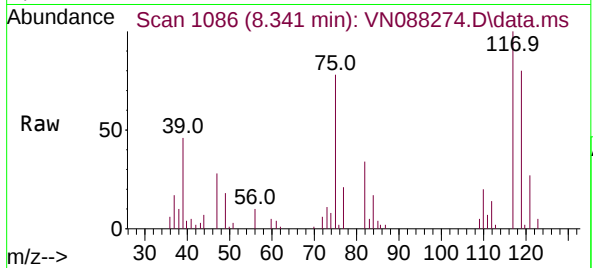
Tgt Ion: 97 Resp: 32744
Ion Ratio Lower Upper
97 100
99 63.4 50.2 75.4
61 48.1 39.8 59.8





#33
Carbon Tetrachloride
Concen: 5.603 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

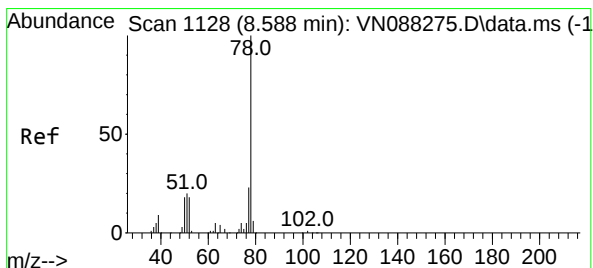
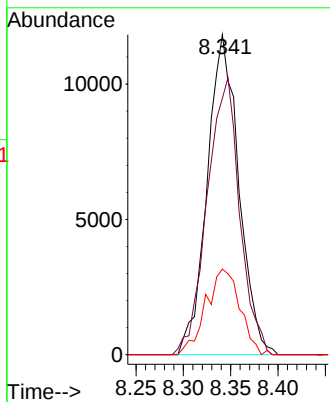
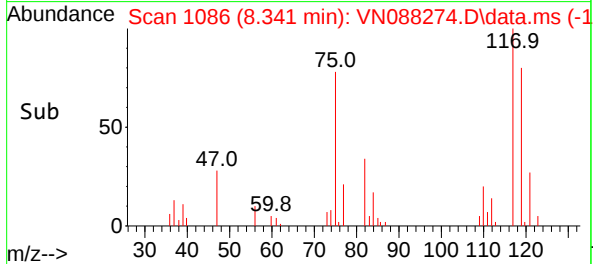
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



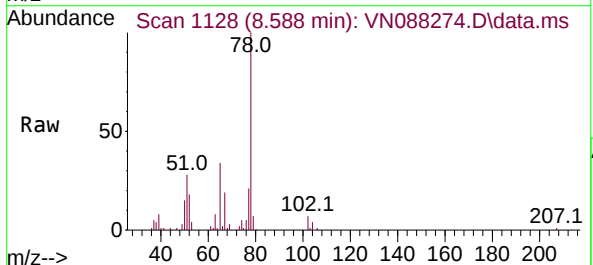
Tgt Ion:117 Resp: 27520
Ion Ratio Lower Upper
117 100
119 80.1 77.8 116.8
121 26.7 24.5 36.7

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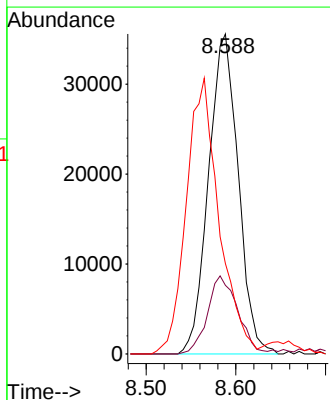
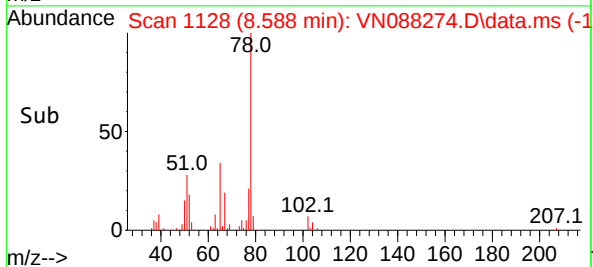
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

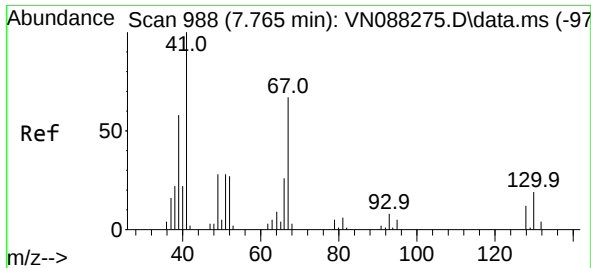


#34
Benzene
Concen: 5.397 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14



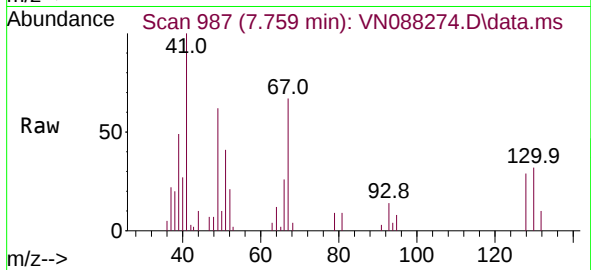
Tgt Ion: 78 Resp: 81926
Ion Ratio Lower Upper
78 100
77 21.4 18.6 27.8
51 24.5 15.8 23.8#





#35
Methacrylonitrile
Concen: 5.343 ug/l
RT: 7.759 min Scan# 987
Delta R.T. -0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

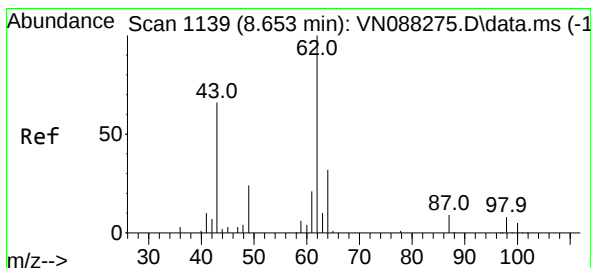
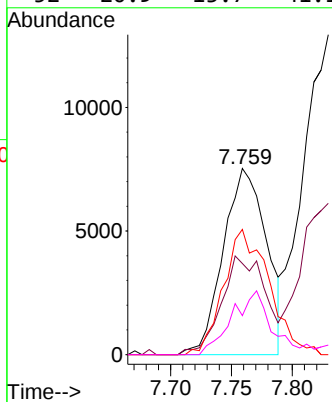
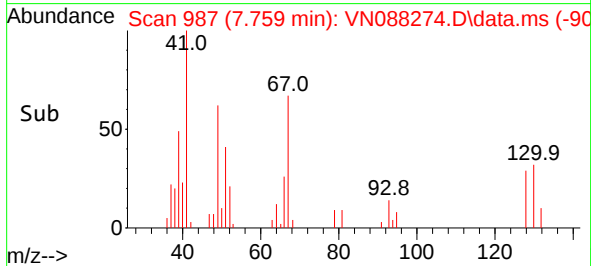
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 41 Resp: 18631
Ion Ratio Lower Upper
41 100
39 48.9 29.0 87.0
67 67.2 33.3 99.9
52 20.9 13.7 41.1

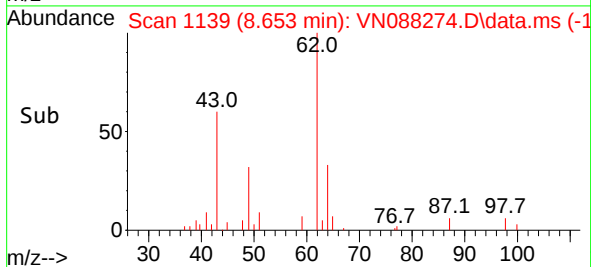
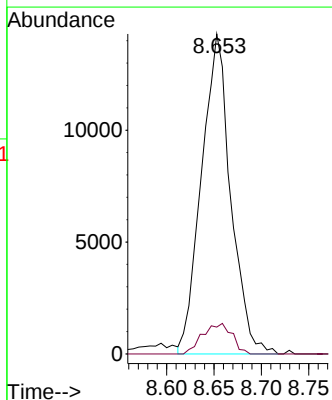
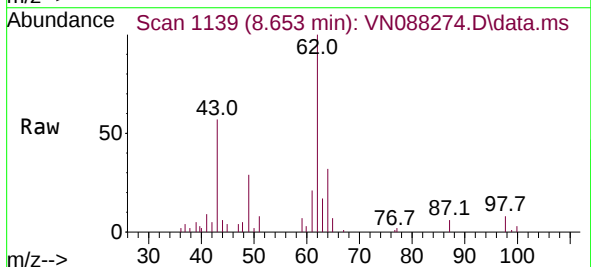
Manual Integrations
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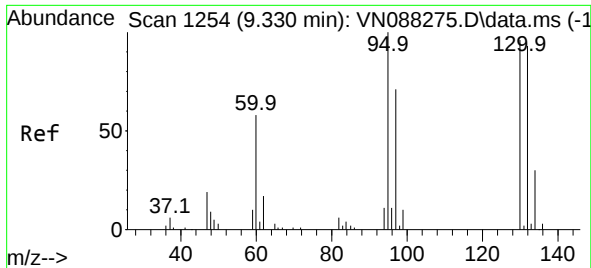
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#36
1,2-Dichloroethane
Concen: 5.714 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

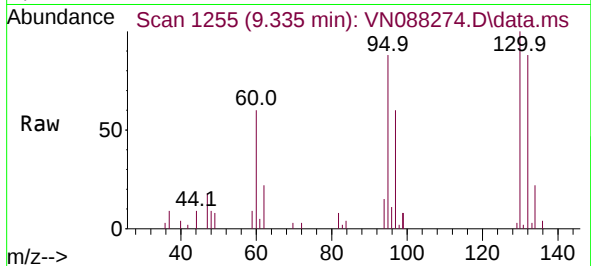
Tgt Ion: 62 Resp: 30747
Ion Ratio Lower Upper
62 100
98 9.6 6.8 10.2





#37
Trichloroethene
Concen: 5.154 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

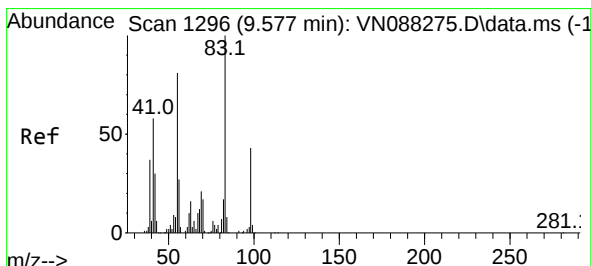
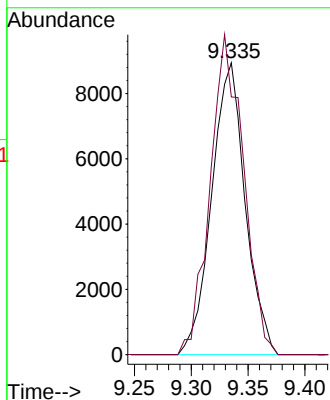
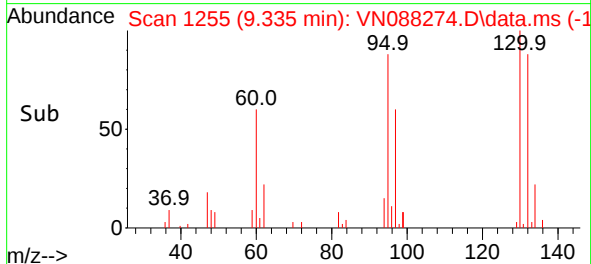
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



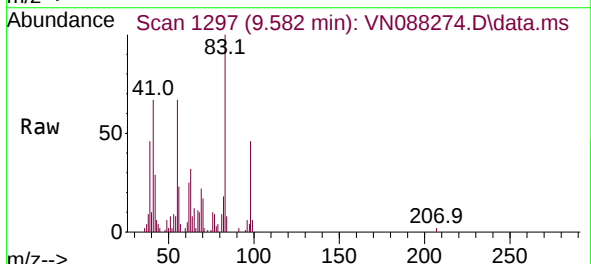
Tgt Ion:130 Resp: 18362
Ion Ratio Lower Upper
130 100
95 88.3 83.7 125.5

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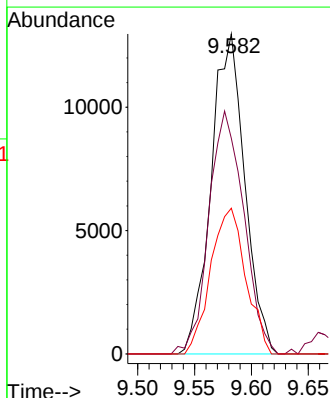
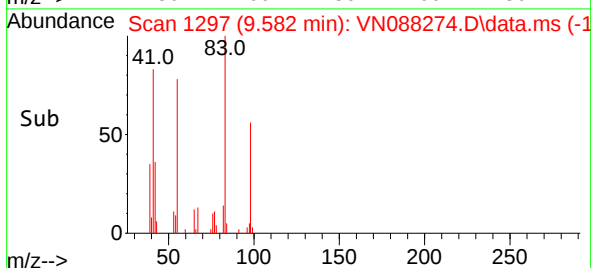
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

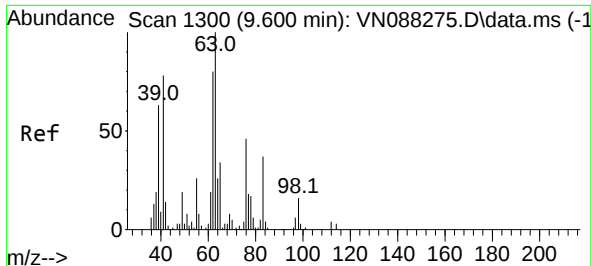


#38
Methylcyclohexane
Concen: 4.668 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14



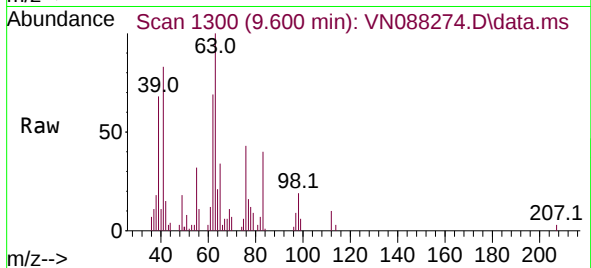
Tgt Ion: 83 Resp: 26740
Ion Ratio Lower Upper
83 100
55 78.8 40.8 122.5
98 47.5 23.4 70.3





#39
1,2-Dichloropropane
Concen: 5.698 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

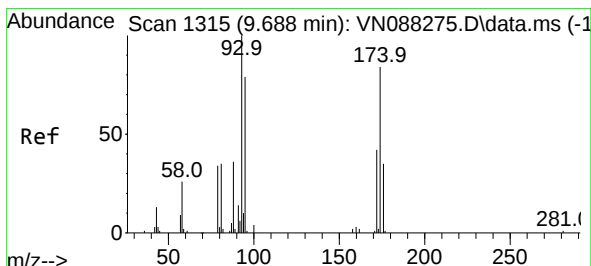
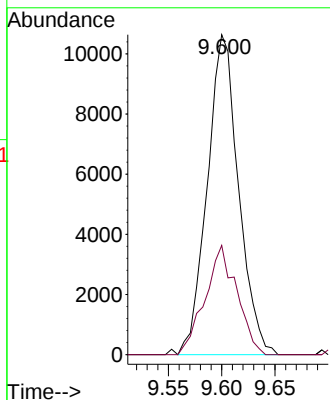
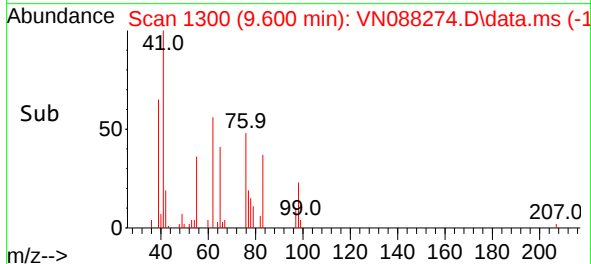
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 63 Resp: 21746
Ion Ratio Lower Upper
63 100
65 34.1 27.8 41.6

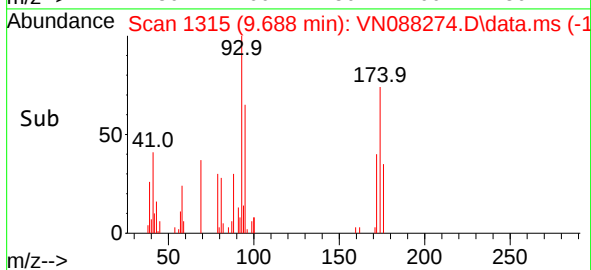
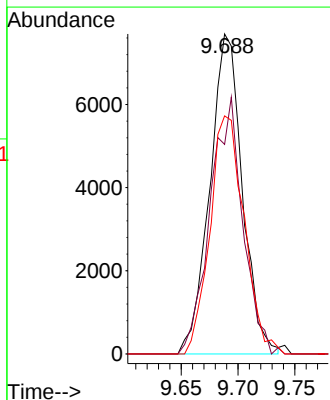
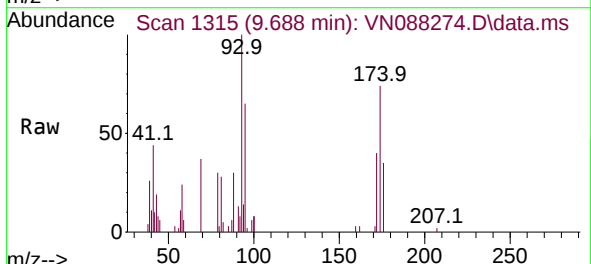
Manual Integrations
APPROVED

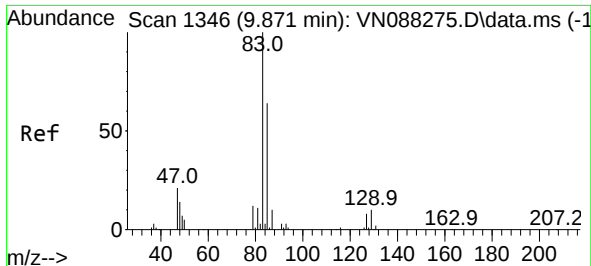
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#40
Dibromomethane
Concen: 5.523 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

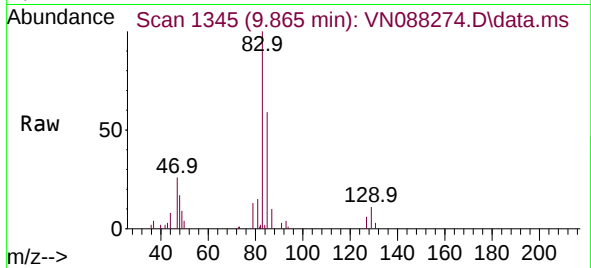
Tgt Ion: 93 Resp: 15320
Ion Ratio Lower Upper
93 100
95 80.1 0.0 161.6
174 78.3 0.0 158.2





#41
Bromodichloromethane
Concen: 5.289 ug/l
RT: 9.865 min Scan# 1346
Delta R.T. -0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

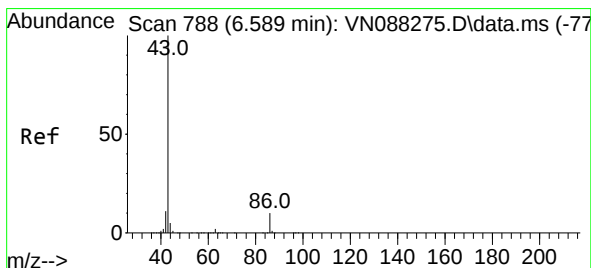
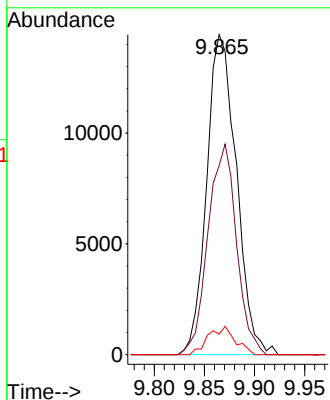
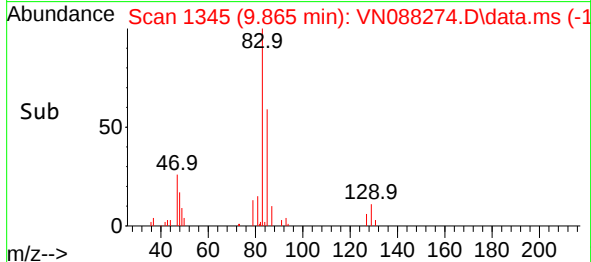
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 83 Resp: 29744
Ion Ratio Lower Upper
83 100
85 59.1 51.4 77.2
127 6.4 6.4 9.6

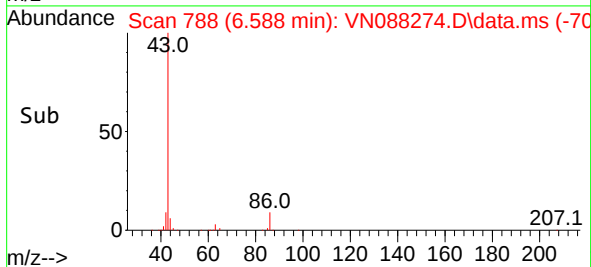
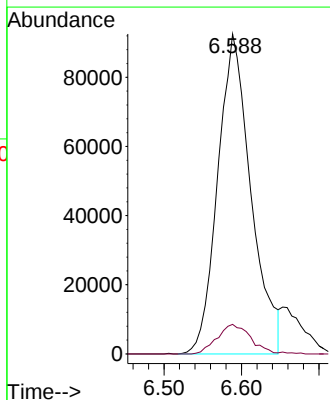
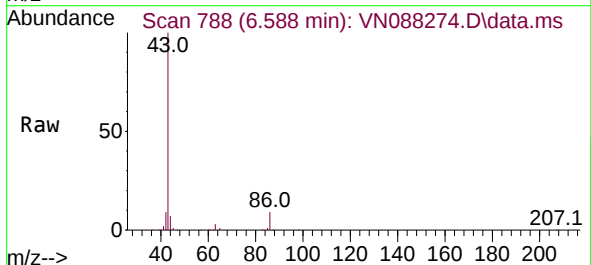
Manual Integrations
APPROVED

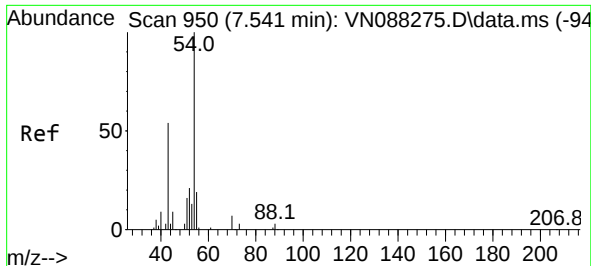
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#42
Vinyl Acetate
Concen: 24.145 ug/l
RT: 6.588 min Scan# 788
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

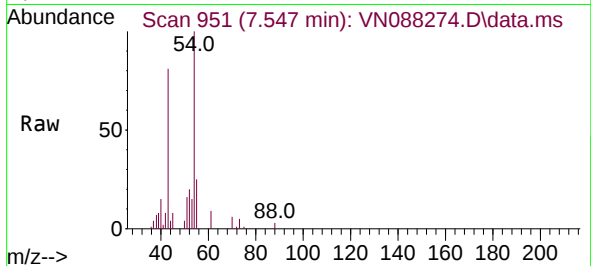
Tgt Ion: 43 Resp: 276230
Ion Ratio Lower Upper
43 100
86 9.2 7.4 11.2





#43
Ethyl Acetate
Concen: 5.467 ug/l
RT: 7.547 min Scan# 951
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

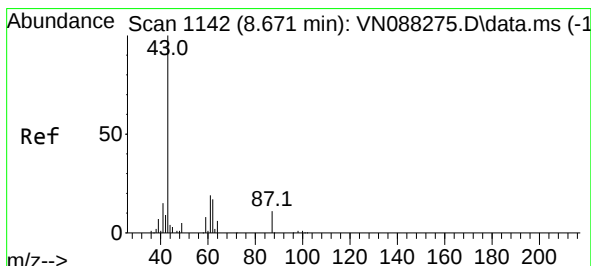
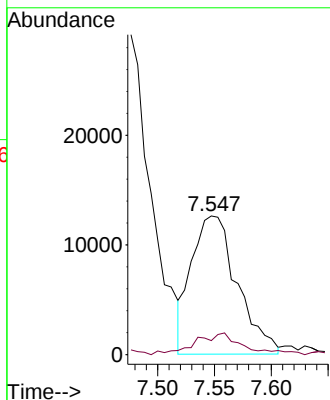
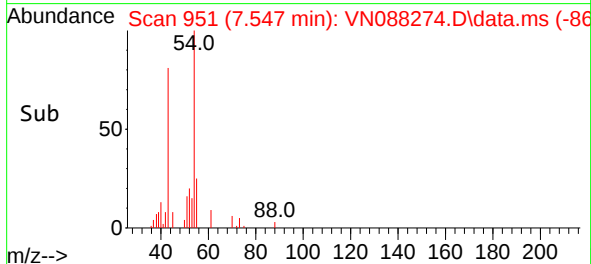
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 35436
Ion Ratio Lower Upper
43 100
45 5.0 9.9 14.9

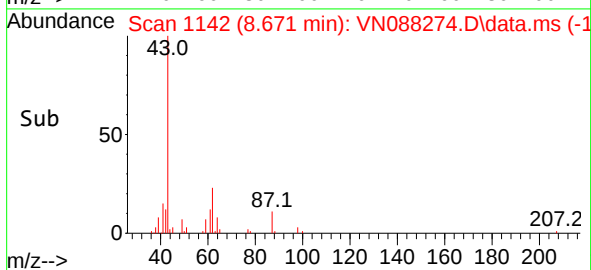
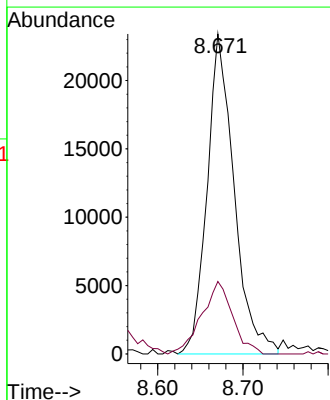
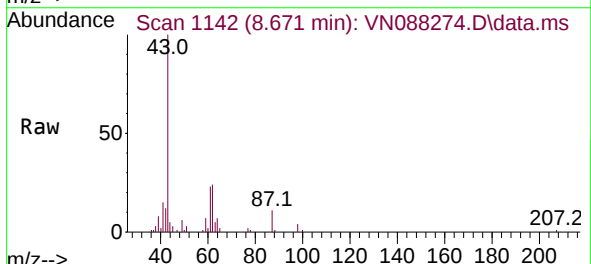
Manual Integrations
APPROVED

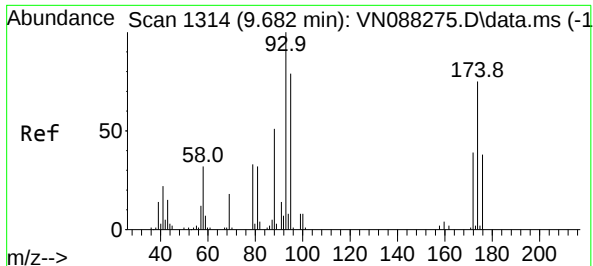
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#44
Isopropyl Acetate
Concen: 4.931 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

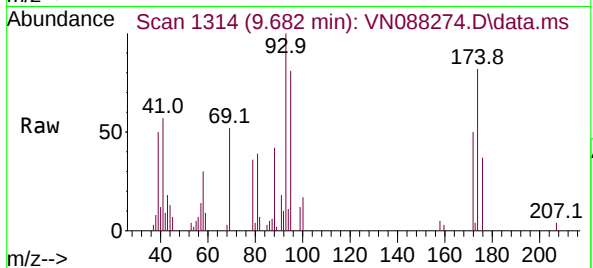
Tgt Ion: 43 Resp: 51550
Ion Ratio Lower Upper
43 100
61 25.8 19.0 28.6





#45
1,4-Dioxane
Concen: 92.862 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

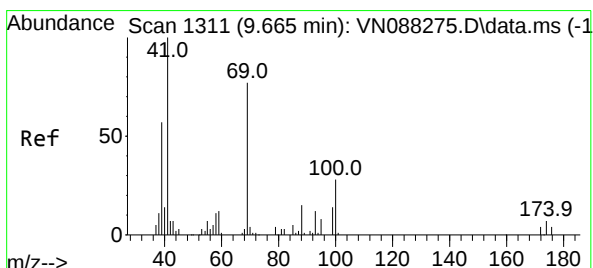
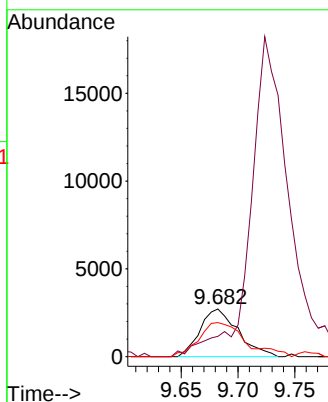
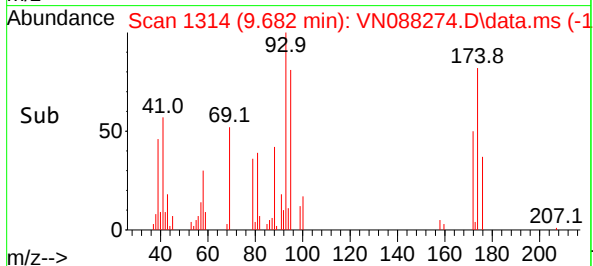
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 88 Resp: 6293
Ion Ratio Lower Upper
88 100
43 42.0 27.8 41.8
58 78.4 59.5 89.3

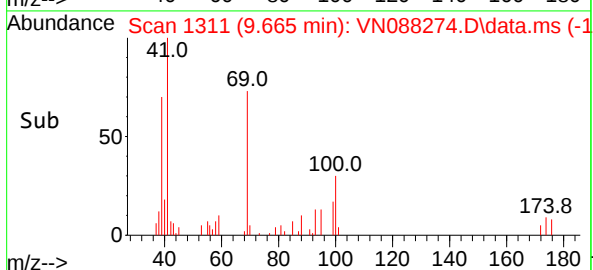
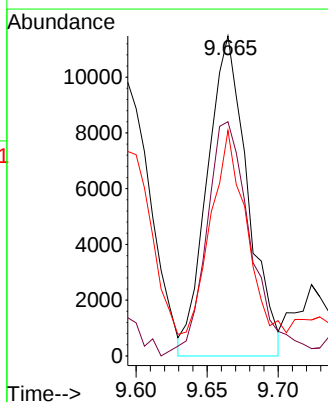
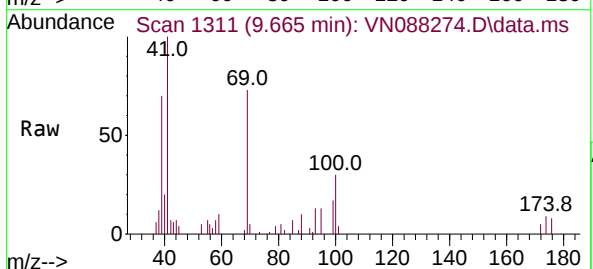
Manual Integrations
APPROVED

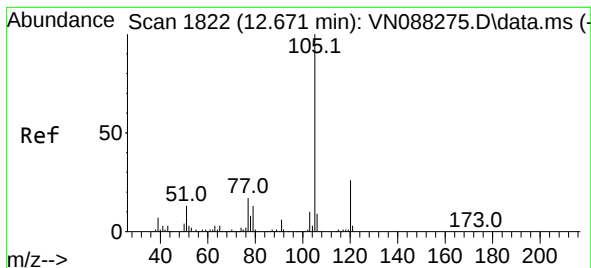
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#46
Methyl methacrylate
Concen: 4.800 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Tgt Ion: 41 Resp: 22745
Ion Ratio Lower Upper
41 100
69 74.3 38.5 115.3
39 67.5 29.0 87.1





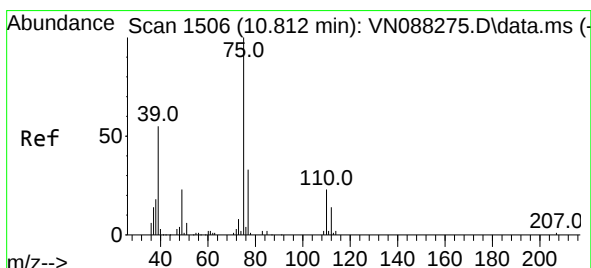
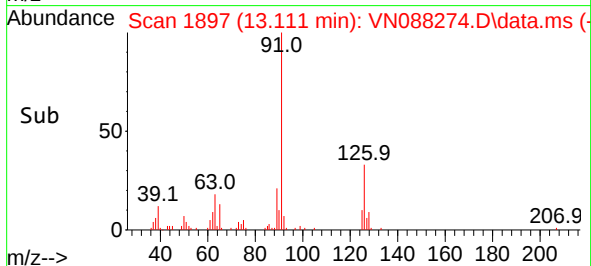
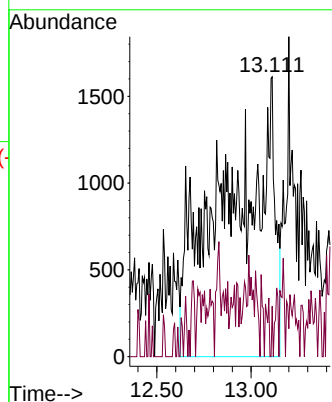
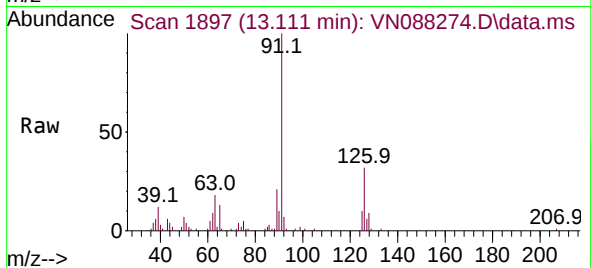
#47
n-amyl acetate
Concen: 5.506 ug/l m
RT: 13.111 min Scan# 1822
Delta R.T. 0.441 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 27105
Ion Ratio Lower Upper
43 100
55 0.2 0.0 0.0

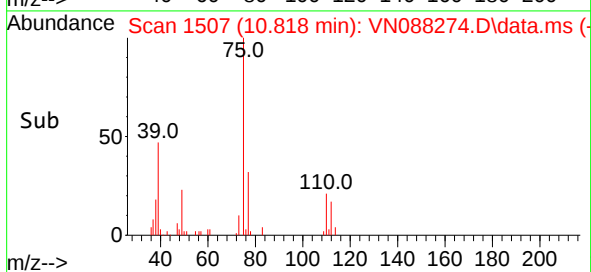
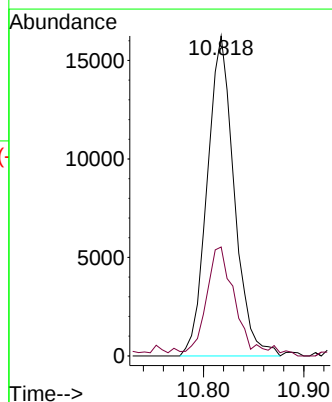
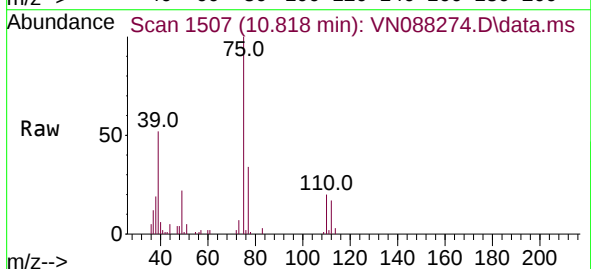
Manual Integrations
APPROVED

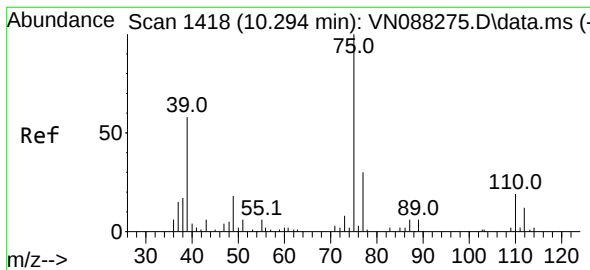
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#48
t-1,3-Dichloropropene
Concen: 4.911 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

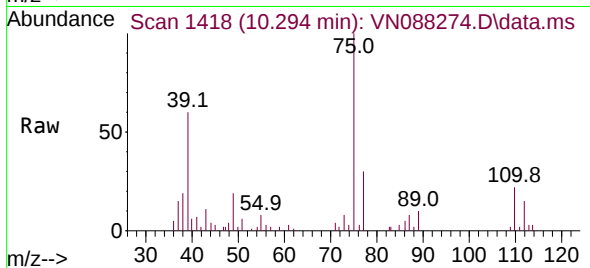
Tgt Ion: 75 Resp: 30392
Ion Ratio Lower Upper
75 100
77 33.1 26.1 39.1





#49
 cis-1,3-Dichloropropene
 Concen: 4.902 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. -0.000 min
 Lab File: VN088274.D
 Acq: 13 Nov 2025 10:14

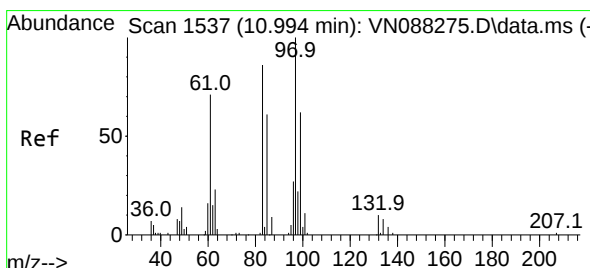
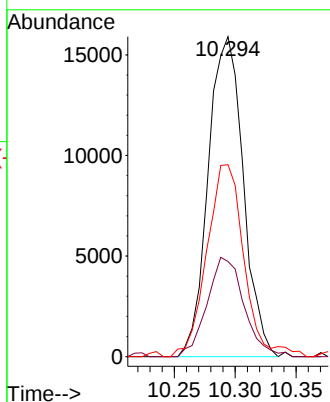
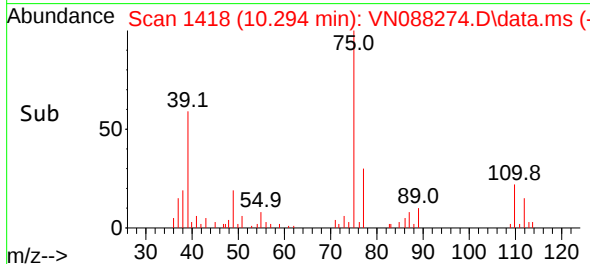
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



Tgt Ion: 75 Resp: 31815
 Ion Ratio Lower Upper
 75 100
 77 29.7 24.4 36.6
 39 56.9 46.1 69.1

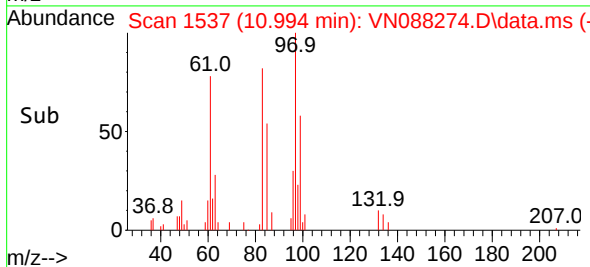
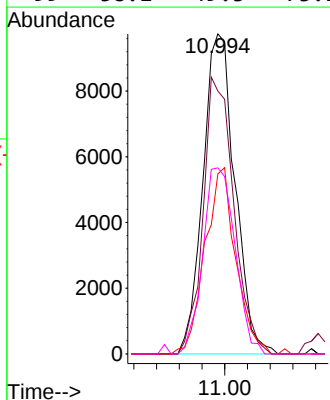
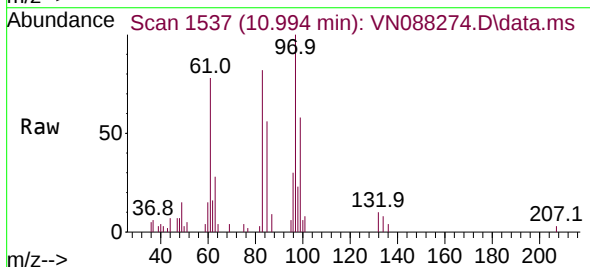
Manual Integrations
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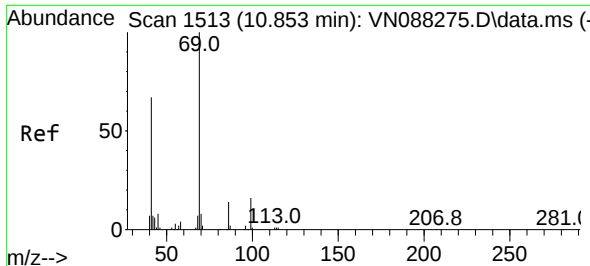
Reviewed By :John Carlone 11/14/2025
 Supervised By :Semsettin Yesilyurt 11/14/2025



#50
 1,1,2-Trichloroethane
 Concen: 5.278 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. -0.000 min
 Lab File: VN088274.D
 Acq: 13 Nov 2025 10:14

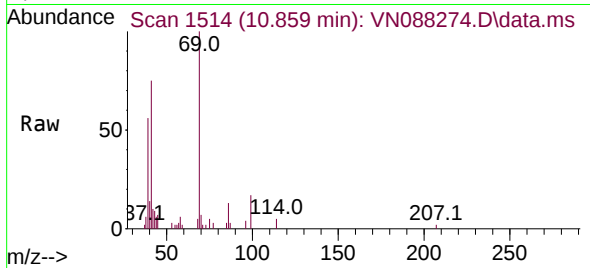
Tgt Ion: 97 Resp: 19062
 Ion Ratio Lower Upper
 97 100
 83 82.1 68.6 102.8
 85 56.3 49.0 73.6
 99 58.1 49.3 73.9





#51
Ethyl methacrylate
Concen: 4.302 ug/l m
RT: 10.859 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

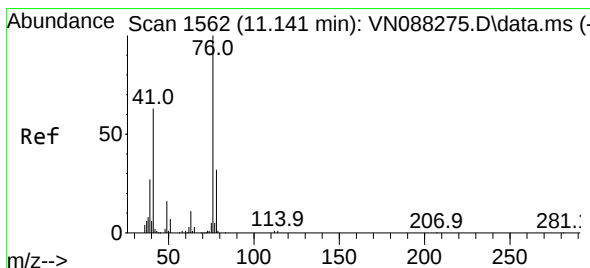
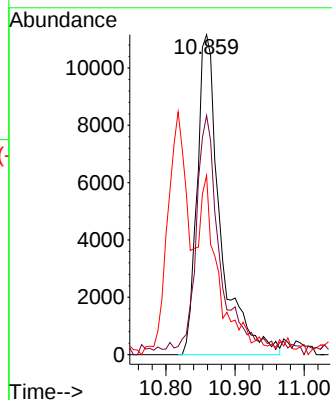
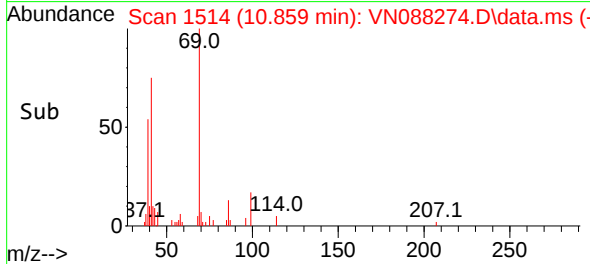
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 69 Resp: 26099
Ion Ratio Lower Upper
69 100
41 74.7 33.6 100.8
39 55.9 23.4 70.2

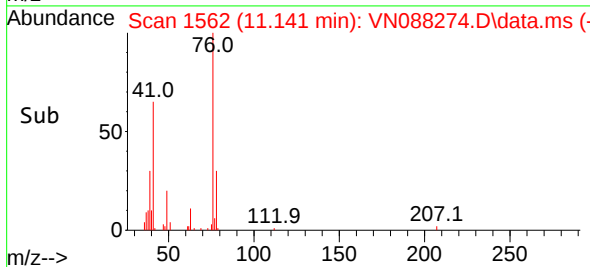
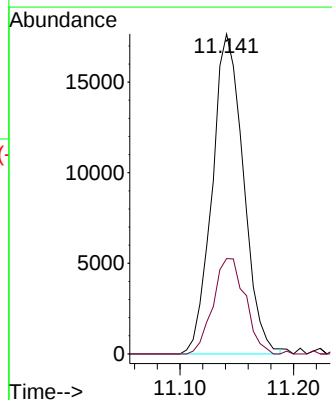
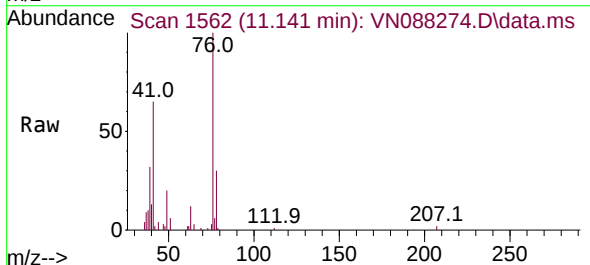
Manual Integrations
APPROVED

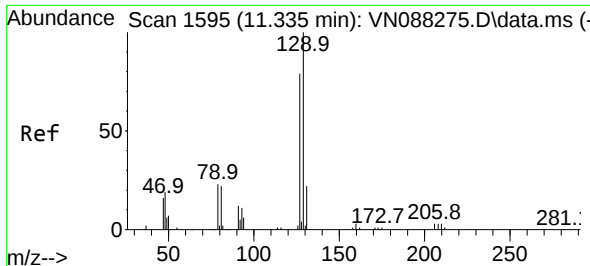
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#52
1,3-Dichloropropane
Concen: 5.305 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Tgt Ion: 76 Resp: 33732
Ion Ratio Lower Upper
76 100
78 30.6 0.0 64.2





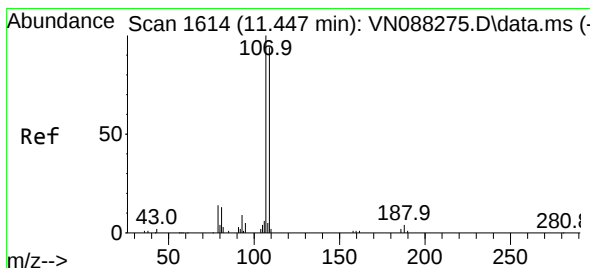
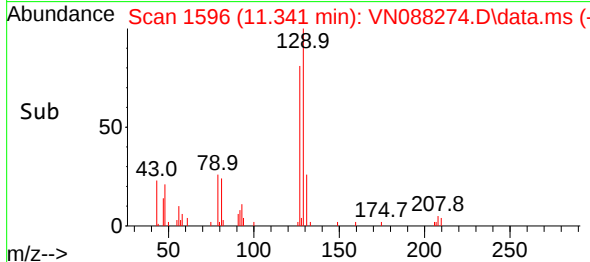
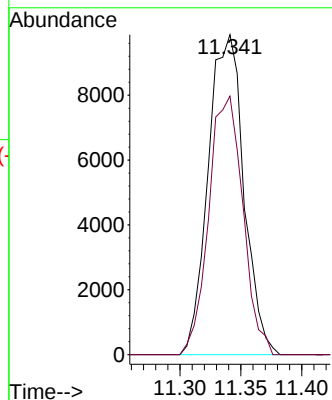
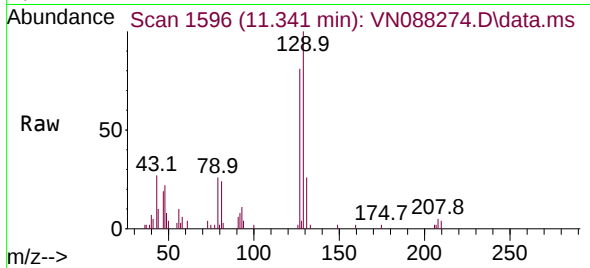
#53
Dibromochloromethane
Concen: 4.685 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:129 Resp: 20062
Ion Ratio Lower Upper
129 100
127 77.5 38.2 114.6

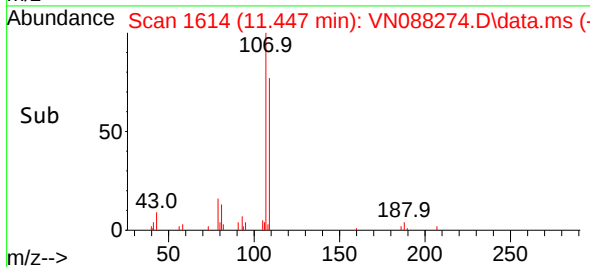
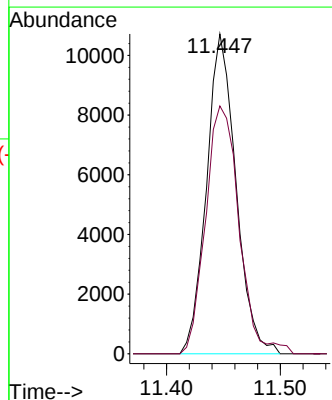
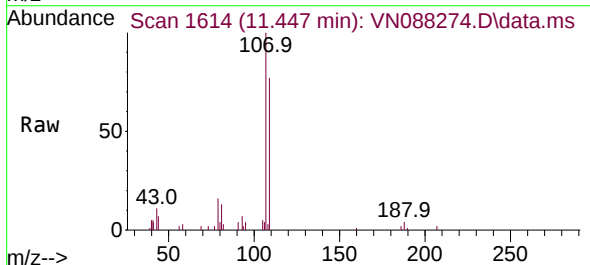
Manual Integrations
APPROVED

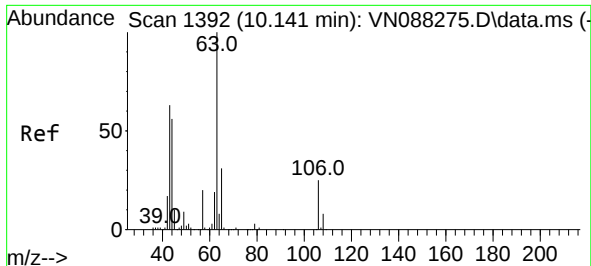
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#54
1,2-Dibromoethane
Concen: 5.037 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

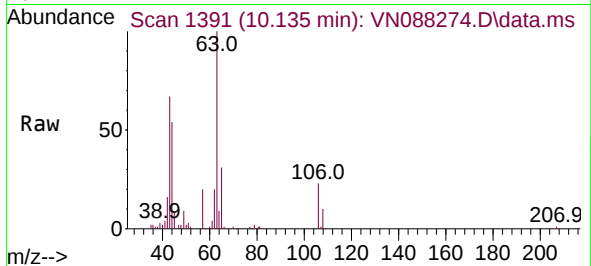
Tgt Ion:107 Resp: 19322
Ion Ratio Lower Upper
107 100
109 86.1 76.6 115.0





#55
2-Chloroethyl vinyl ether
Concen: 25.902 ug/l
RT: 10.135 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

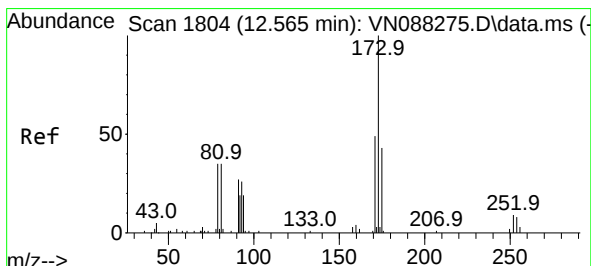
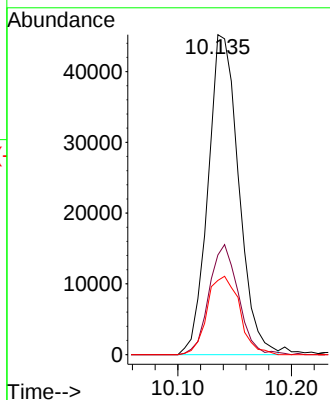
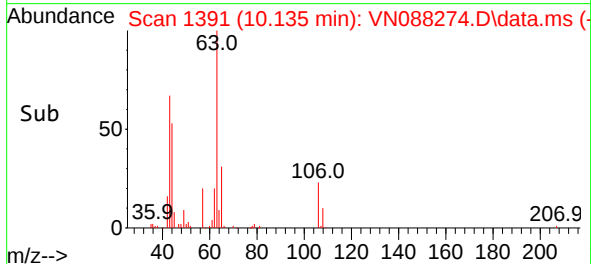
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 63 Resp: 84863
Ion Ratio Lower Upper
63 100
65 32.4 24.9 37.3
106 25.9 20.3 30.5

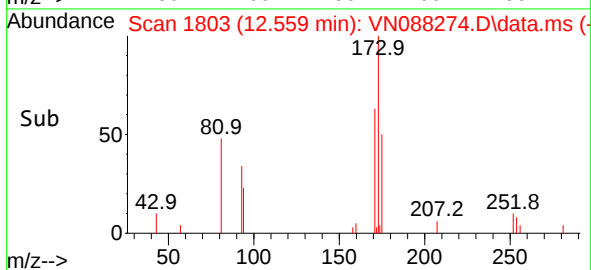
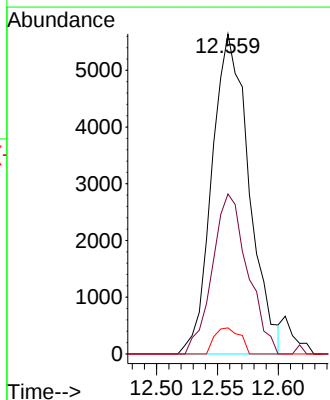
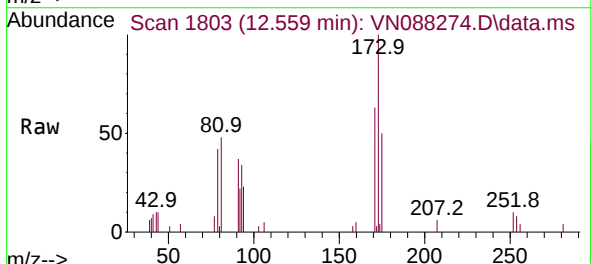
Manual Integrations
APPROVED

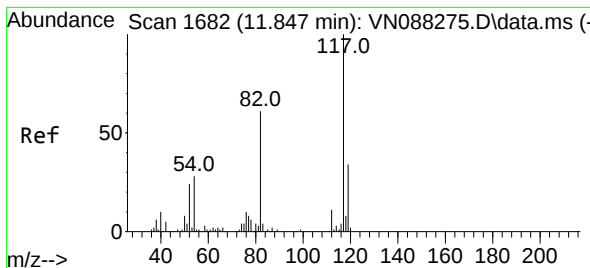
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#56
Bromoform
Concen: 4.198 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

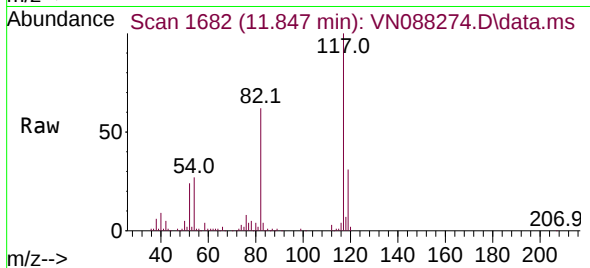
Tgt Ion:173 Resp: 12003
Ion Ratio Lower Upper
173 100
175 47.4 37.7 56.5
254 5.5 5.9 8.9#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

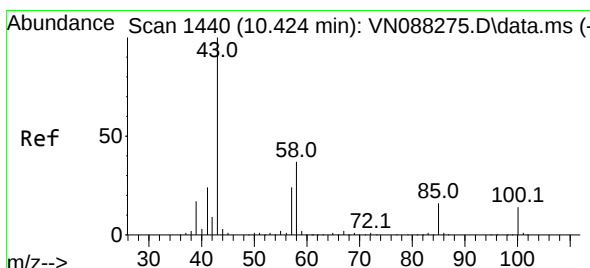
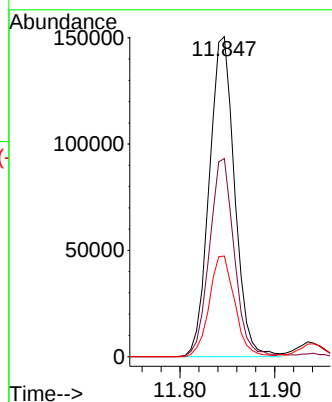
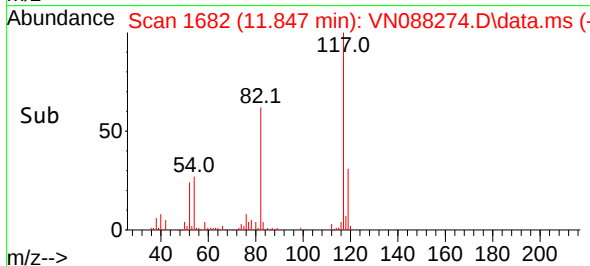
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 117 Resp: 280094
Ion Ratio Lower Upper
117 100
82 61.1 49.3 73.9
119 31.6 26.4 39.6

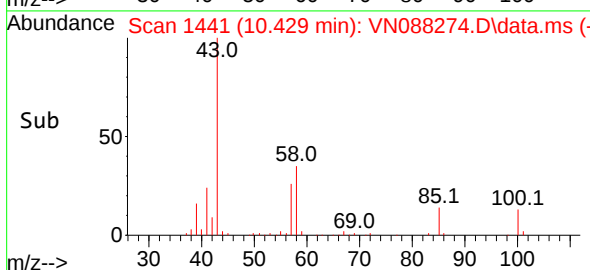
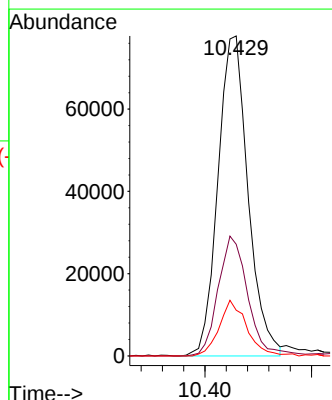
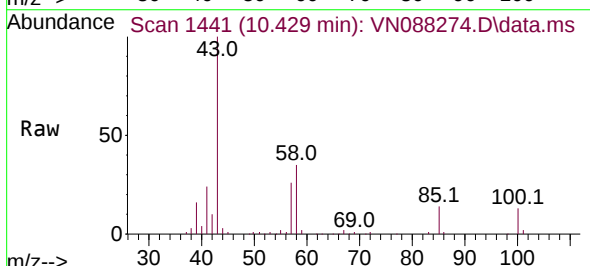
Manual Integrations
APPROVED

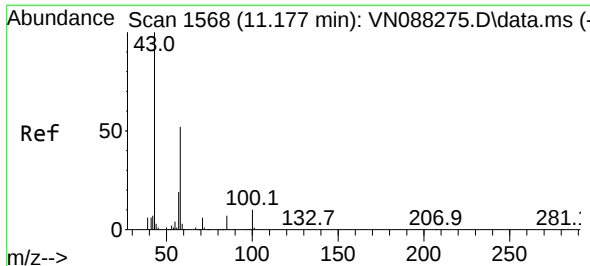
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#58
4-Methyl-2-Pentanone
Concen: 24.280 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

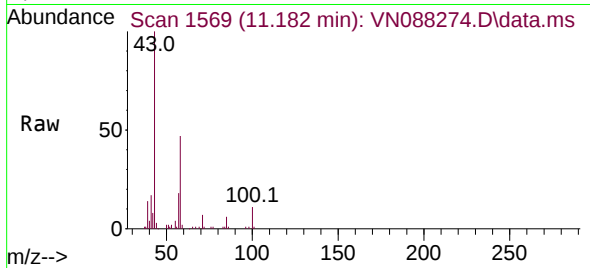
Tgt Ion: 43 Resp: 152747
Ion Ratio Lower Upper
43 100
58 36.8 29.2 43.8
85 15.8 12.6 19.0





#59
2-Hexanone
Concen: 20.905 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

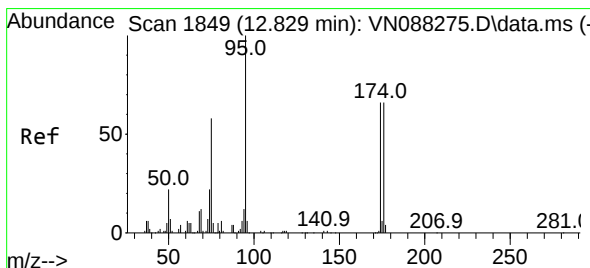
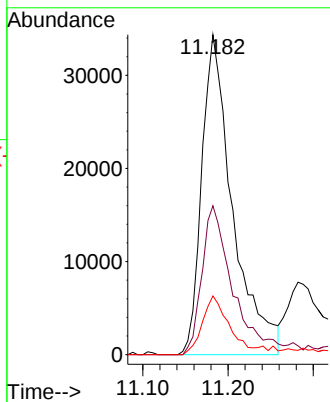
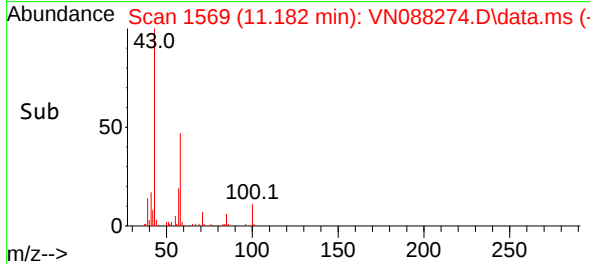
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 86444
Ion Ratio Lower Upper
43 100
58 44.4 41.0 61.4
57 15.8 14.4 21.6

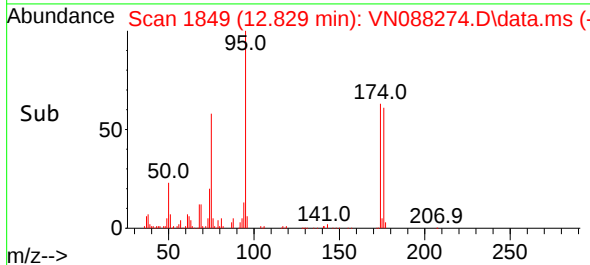
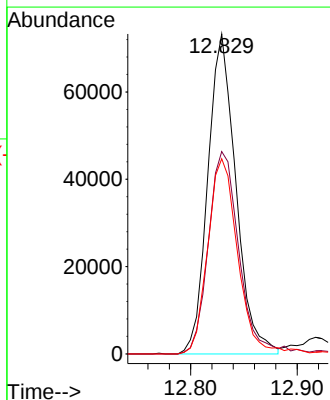
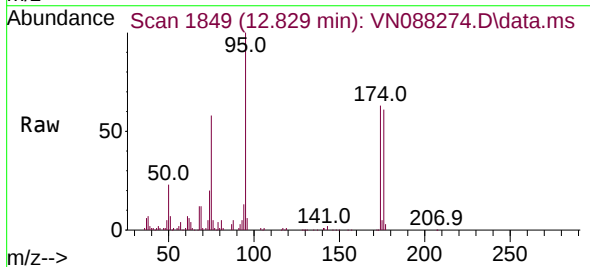
Manual Integrations
APPROVED

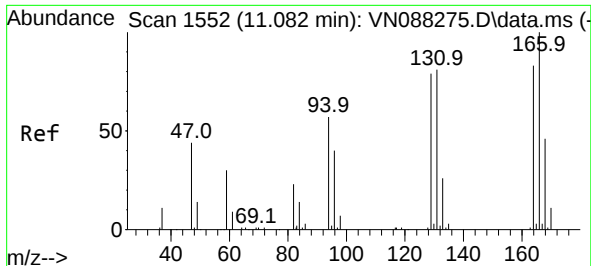
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#60
4-Bromofluorobenzene
Concen: 29.108 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

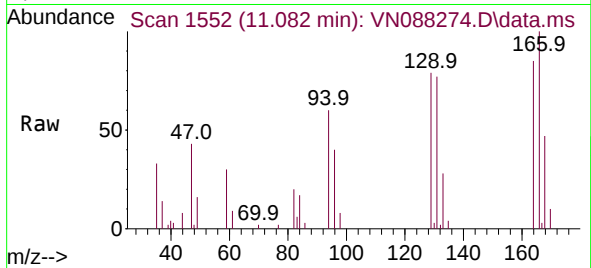
Tgt Ion: 95 Resp: 134269
Ion Ratio Lower Upper
95 100
174 67.9 54.5 81.7
176 63.7 53.8 80.6





#61
Tetrachloroethene
Concen: 4.941 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

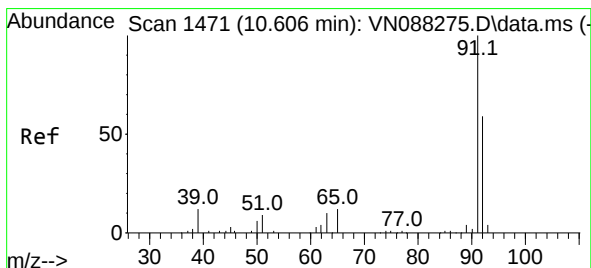
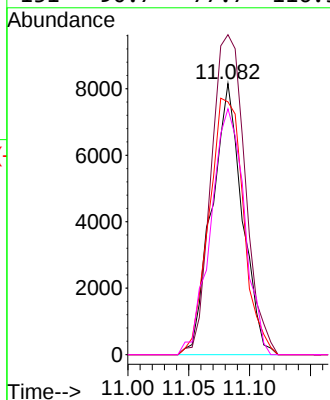
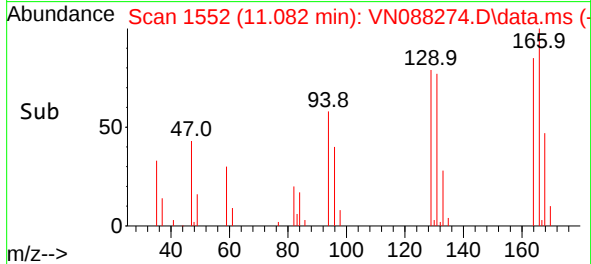
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



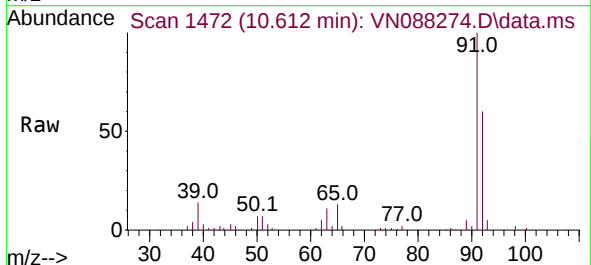
Tgt Ion:164 Resp: 1422
Ion Ratio Lower Upper
164 100
166 118.0 96.3 144.5
129 93.2 76.2 114.2
131 90.7 77.7 116.5

Manual Integrations
APPROVED

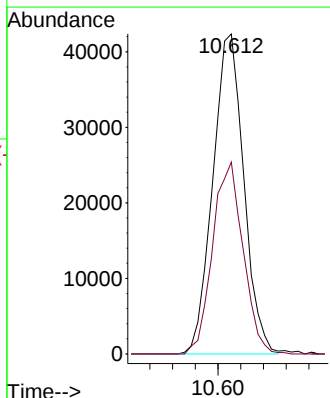
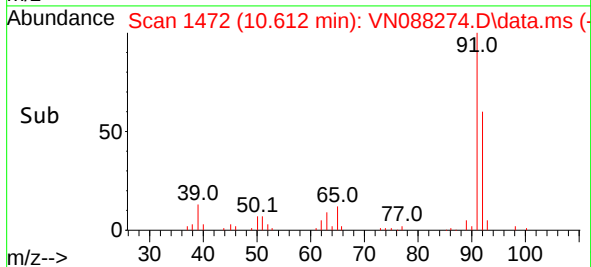
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

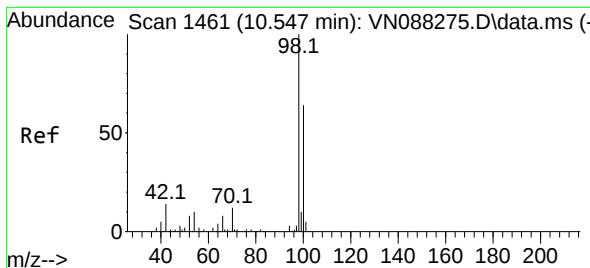


#62
Toluene
Concen: 4.996 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14



Tgt Ion: 91 Resp: 80108
Ion Ratio Lower Upper
91 100
92 58.9 46.7 70.1





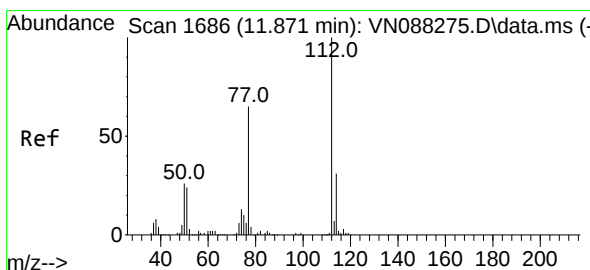
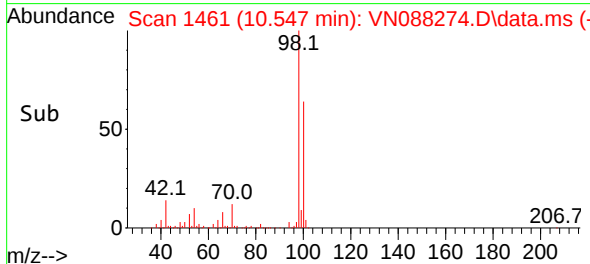
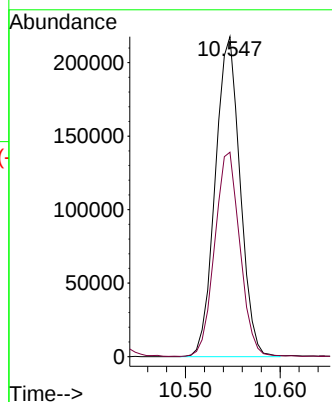
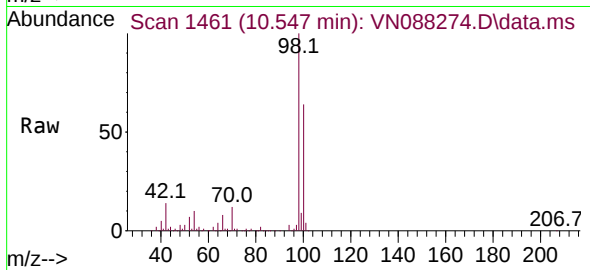
#63
Toluene-d8
Concen: 31.297 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 98 Resp: 397107
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4

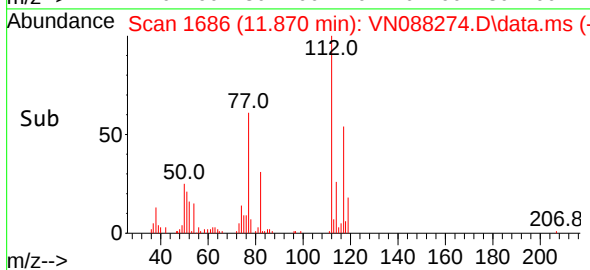
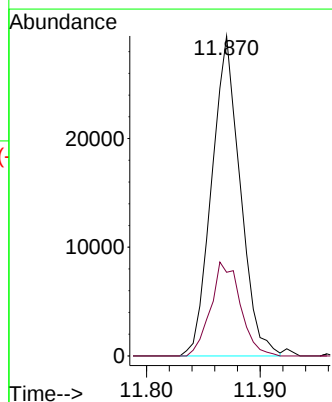
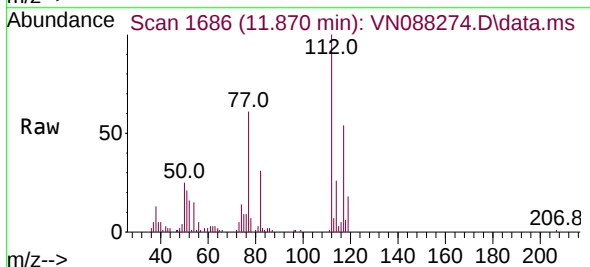
Manual Integrations
APPROVED

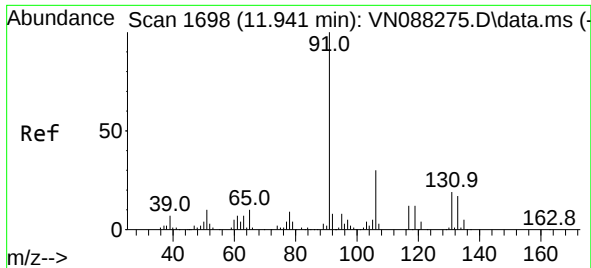
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#64
Chlorobenzene
Concen: 5.070 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

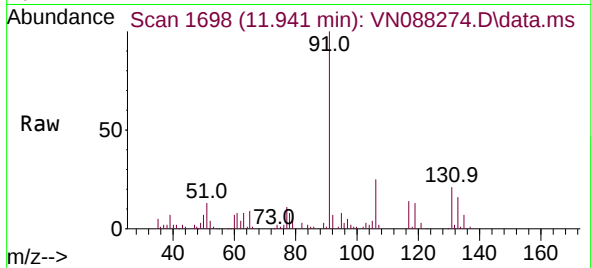
Tgt Ion:112 Resp: 51274
Ion Ratio Lower Upper
112 100
114 26.1 25.0 37.4





#65
1,1,1,2-Tetrachloroethane
Concen: 5.028 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

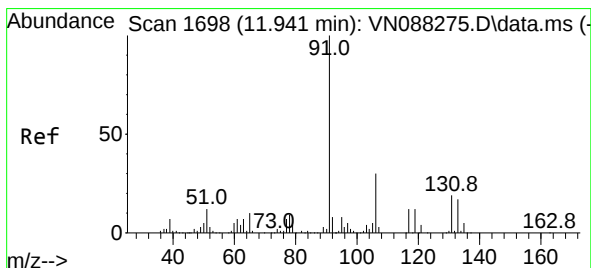
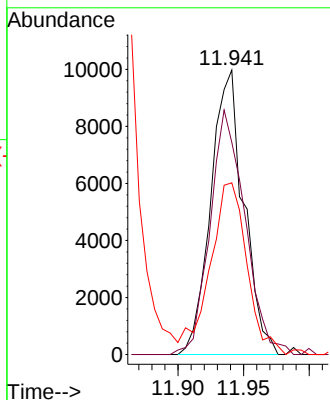
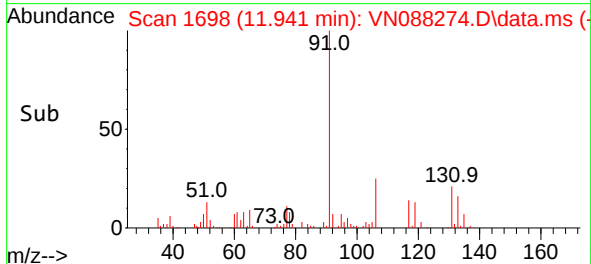
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion:131 Resp: 17465
Ion Ratio Lower Upper
131 100
133 90.7 0.0 181.4
119 67.3 0.0 135.0

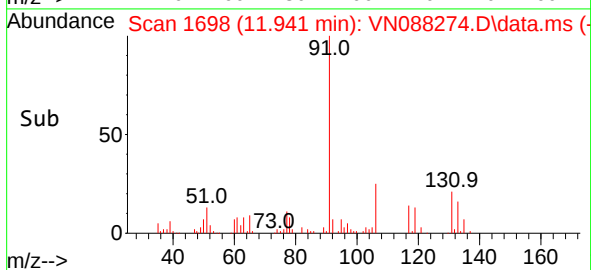
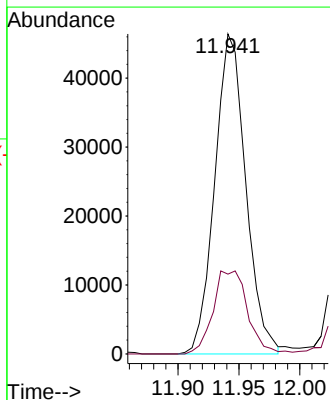
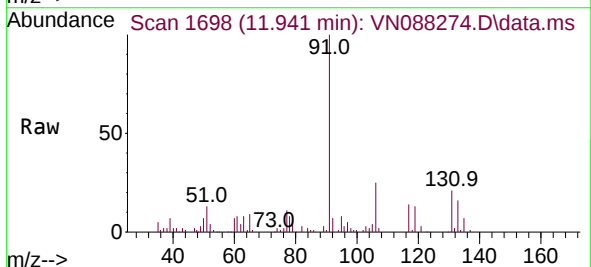
Manual Integrations
APPROVED

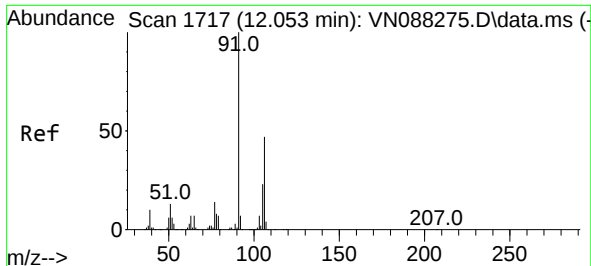
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#66
Ethyl Benzene
Concen: 4.718 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Tgt Ion: 91 Resp: 82280
Ion Ratio Lower Upper
91 100
106 24.9 24.4 36.6





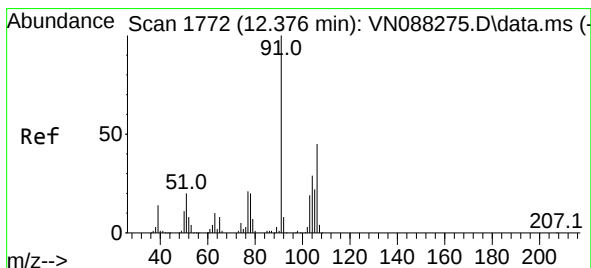
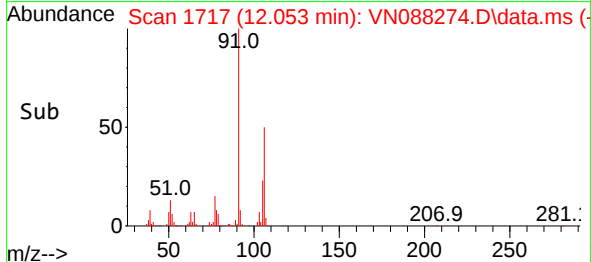
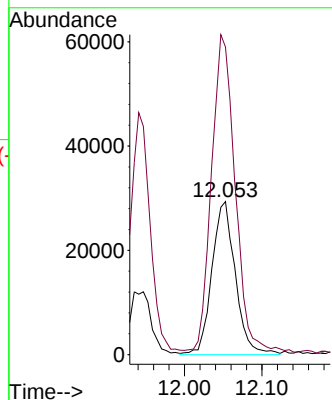
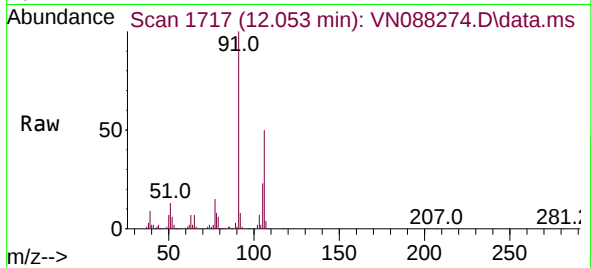
#67
m/p-Xylenes
Concen: 9.227 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 61616
Ion Ratio Lower Upper
106 100
91 203.7 168.3 252.5

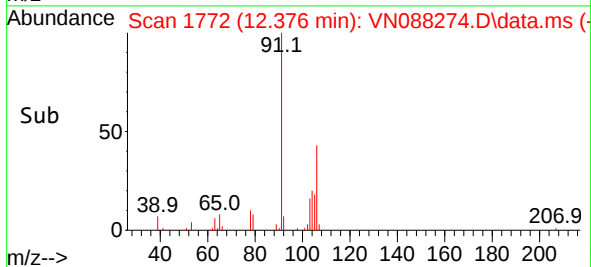
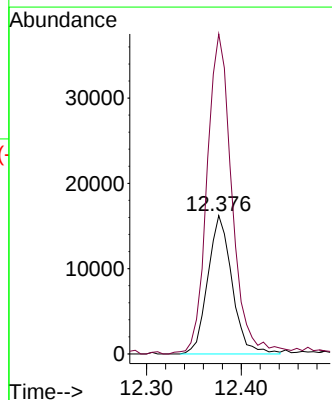
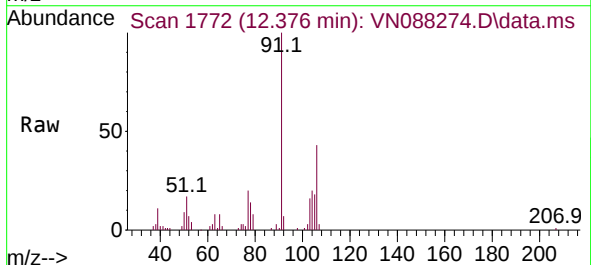
Manual Integrations
APPROVED

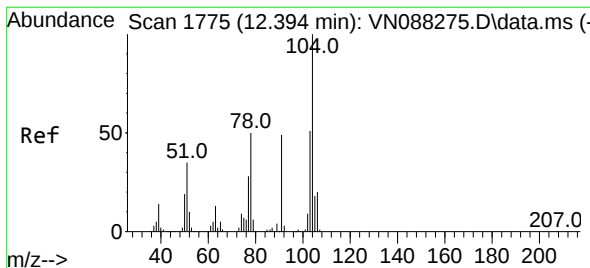
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#68
o-Xylene
Concen: 4.411 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Tgt Ion:106 Resp: 28878
Ion Ratio Lower Upper
106 100
91 234.9 114.0 342.0





#69

Styrene

Concen: 4.312 ug/l

RT: 12.394 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088274.D

Acq: 13 Nov 2025 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

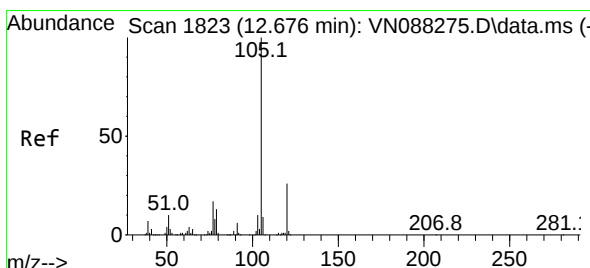
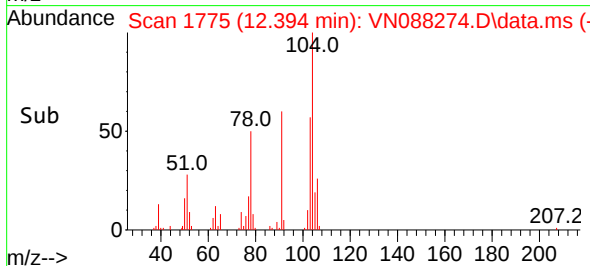
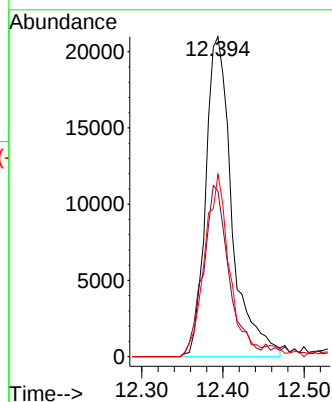
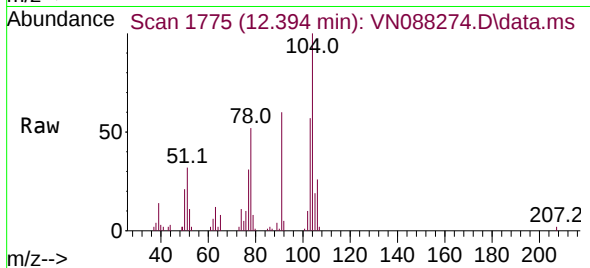
Tgt Ion:	104	Resp:	4713
Ion Ratio	Lower	Upper	
104	100		
78	52.7	43.8	65.8
103	54.0	44.8	67.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Semsettin Yesilyurt 11/14/2025



#70

Isopropylbenzene

Concen: 4.517 ug/l

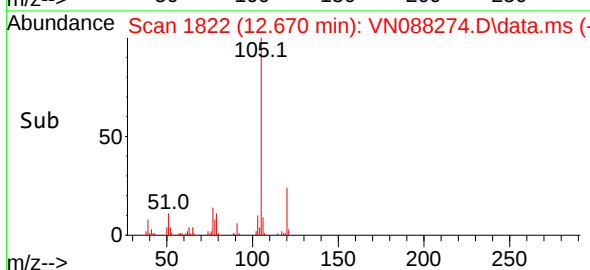
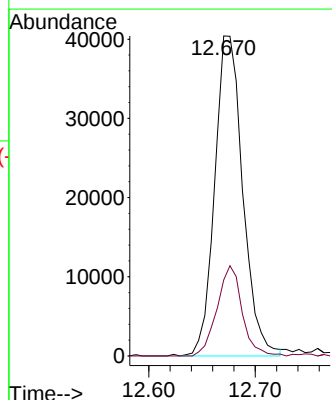
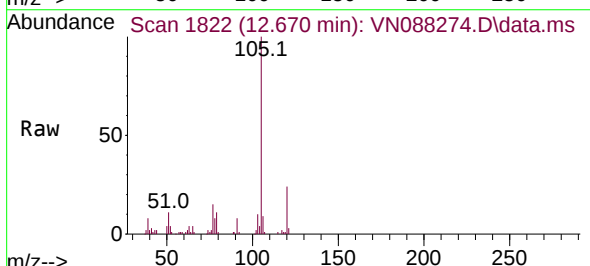
RT: 12.670 min Scan# 1822

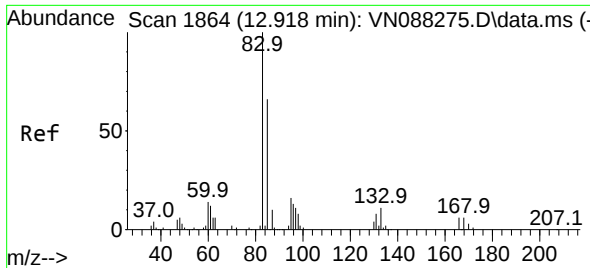
Delta R.T. -0.006 min

Lab File: VN088274.D

Acq: 13 Nov 2025 10:14

Tgt Ion:	105	Resp:	74065
Ion Ratio	Lower	Upper	
105	100		
120	25.0	18.2	33.8





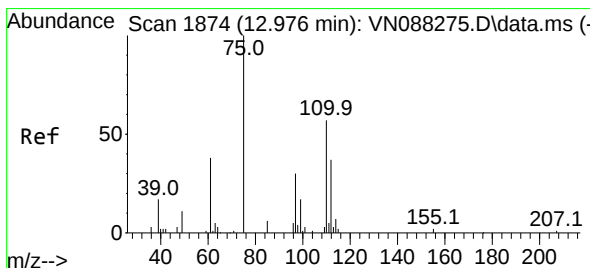
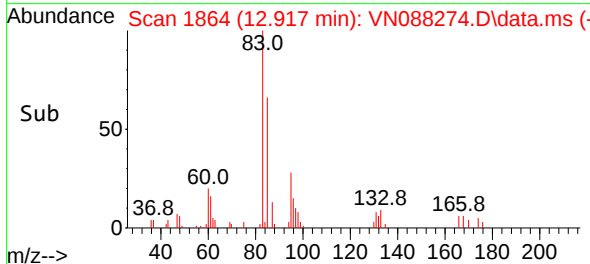
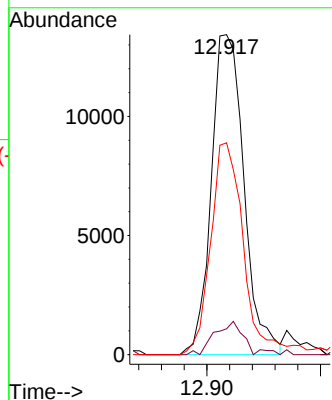
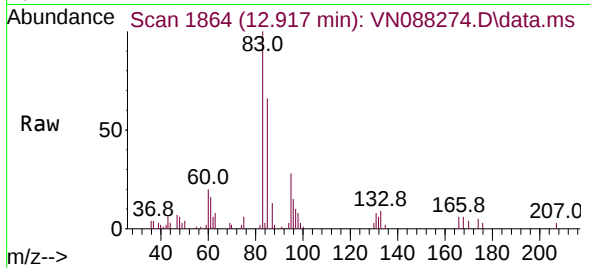
#71
1,1,2,2-Tetrachloroethane
Concen: 4.879 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 26814
Ion Ratio Lower Upper
83 100
131 8.5 4.3 12.9
85 65.6 32.4 97.2

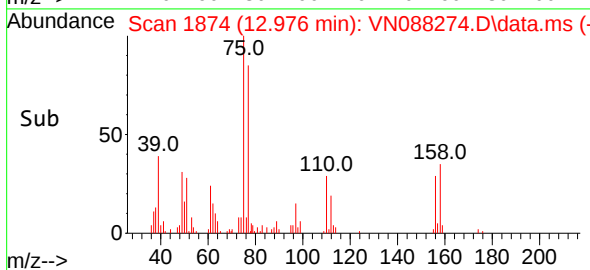
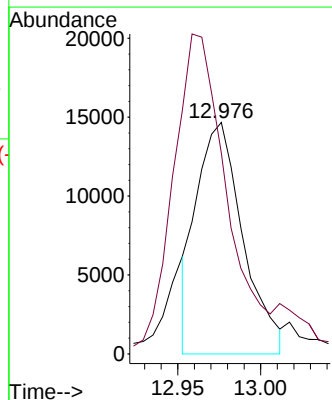
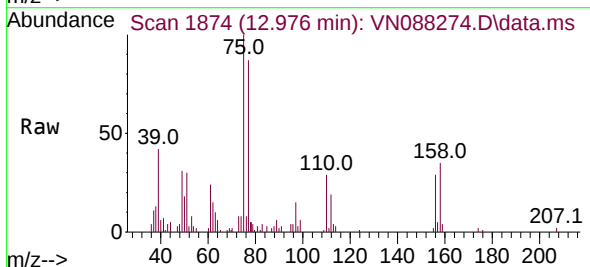
Manual Integrations
APPROVED

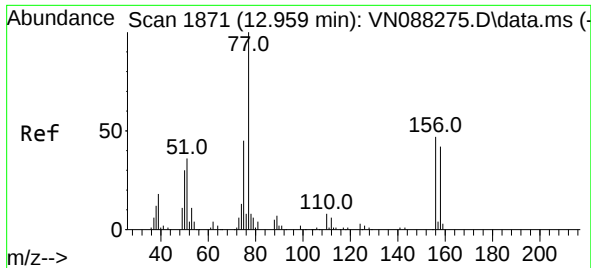
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#72
1,2,3-Trichloropropane
Concen: 5.588 ug/l m
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Tgt Ion: 75 Resp: 28504
Ion Ratio Lower Upper
75 100
77 159.7 0.0 386.6





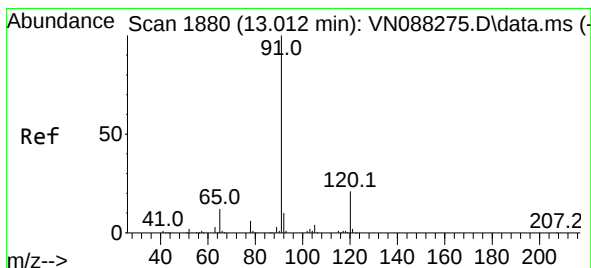
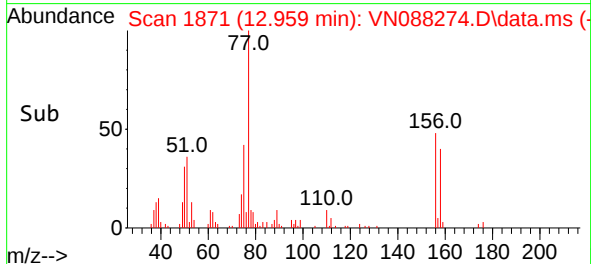
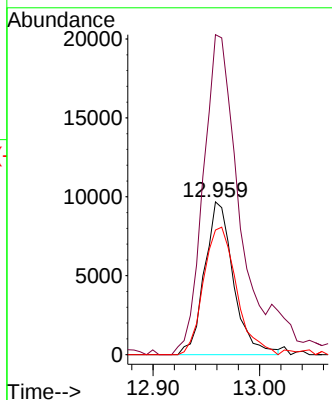
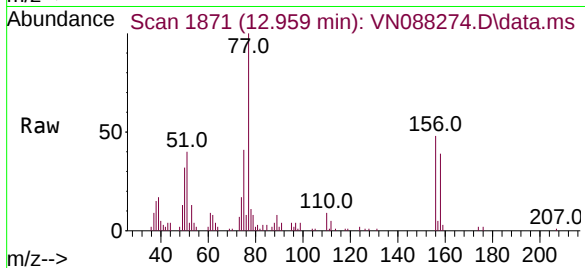
#73
Bromobenzene
Concen: 4.642 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 18184
Ion Ratio Lower Upper
156 100
77 250.4 0.0 493.4
158 95.3 0.0 193.4

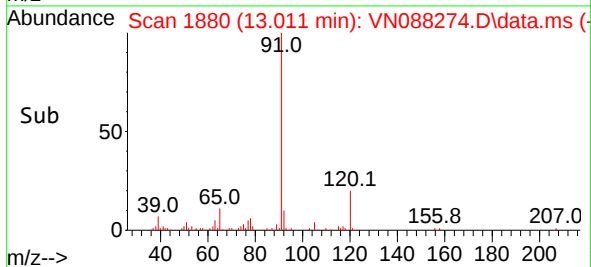
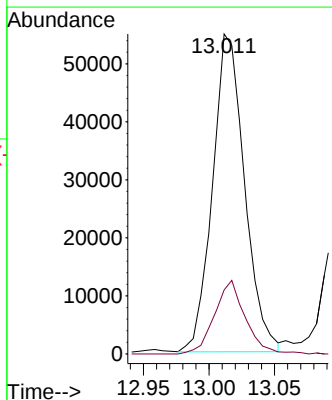
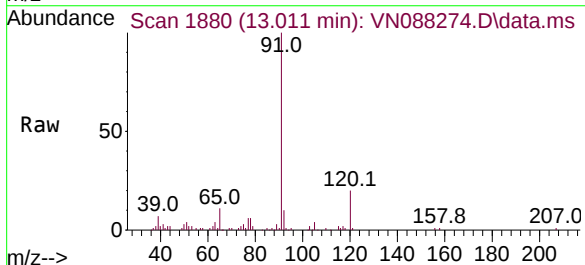
Manual Integrations
APPROVED

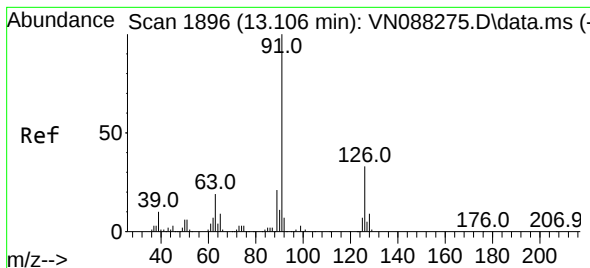
Reviewed By :John Carbone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#74
n-propylbenzene
Concen: 4.685 ug/l
RT: 13.011 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Tgt Ion: 91 Resp: 93306
Ion Ratio Lower Upper
91 100
120 22.0 0.0 43.2





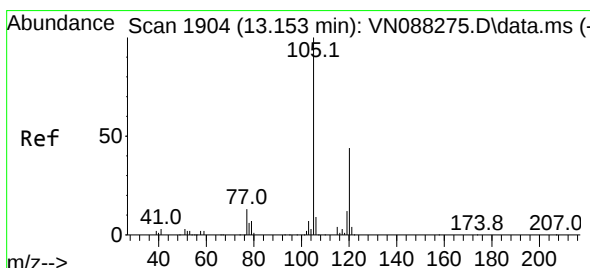
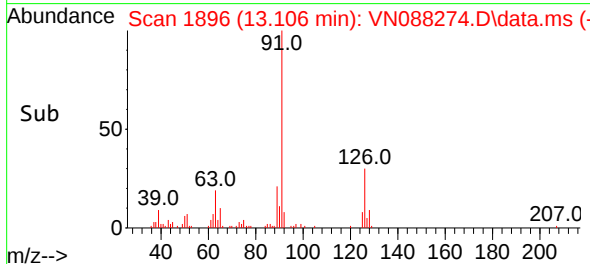
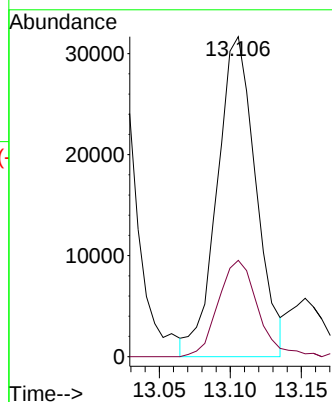
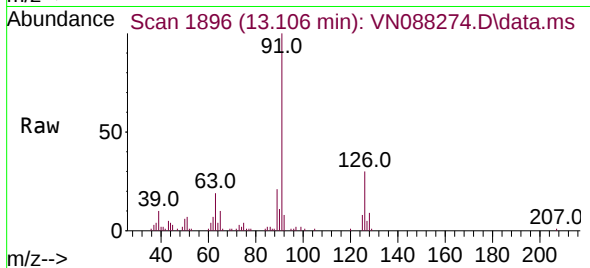
#75
2-Chlorotoluene
Concen: 4.967 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 60165
Ion Ratio Lower Upper
91 100
126 30.7 0.0 62.0

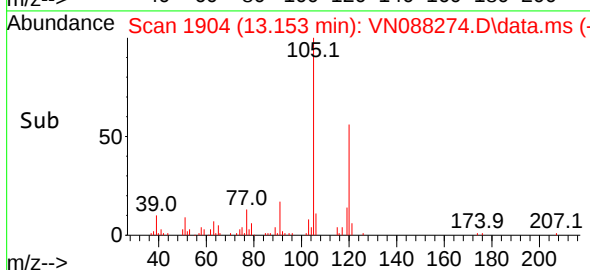
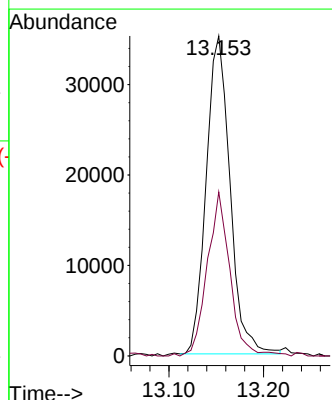
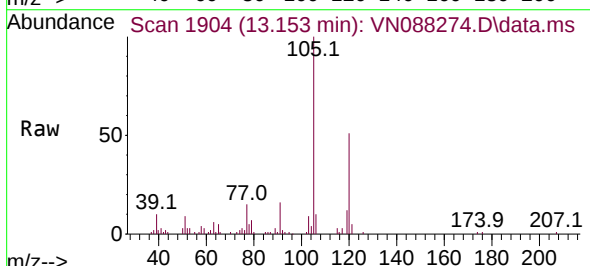
Manual Integrations
APPROVED

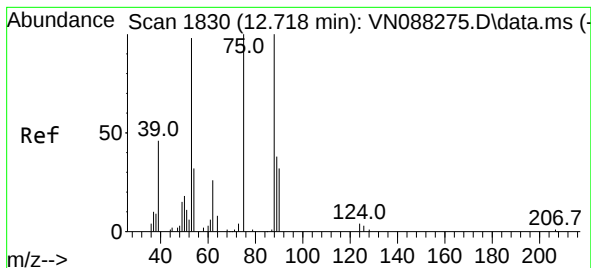
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#76
1,3,5-Trimethylbenzene
Concen: 4.437 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

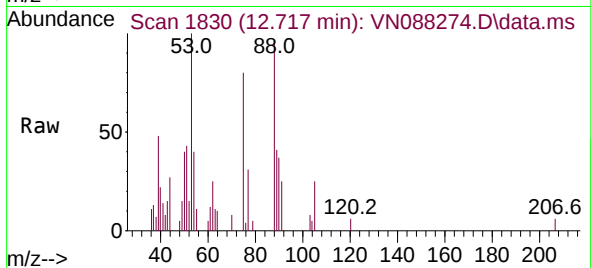
Tgt Ion:105 Resp: 61542
Ion Ratio Lower Upper
105 100
120 48.0 0.0 94.6





#77
t-1,4-Dichloro-2-butene
Concen: 3.347 ug/l m
RT: 12.717 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

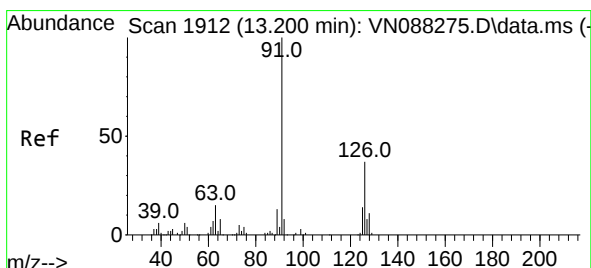
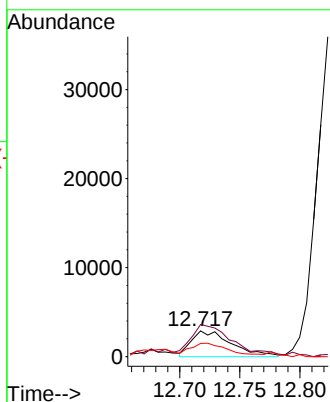
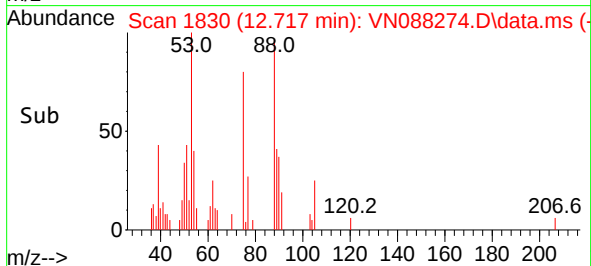
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 75 Resp: 6714
Ion Ratio Lower Upper
75 100
53 124.9 50.0 150.0
89 51.2 22.3 66.9

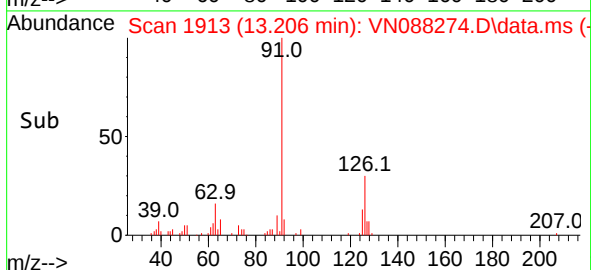
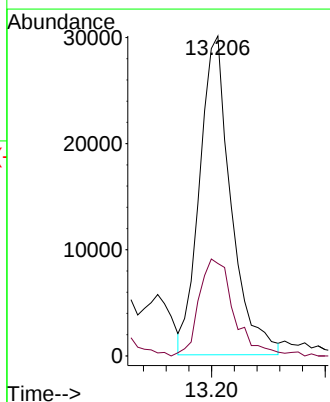
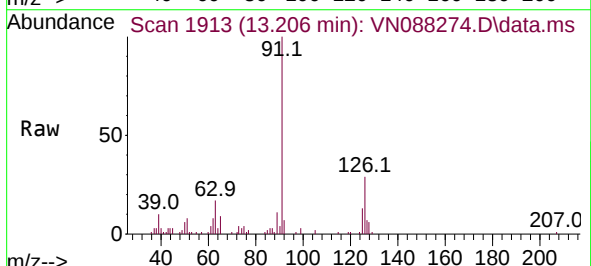
Manual Integrations
APPROVED

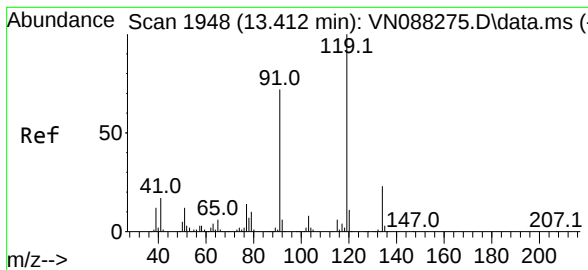
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#78
4-Chlorotoluene
Concen: 4.703 ug/l
RT: 13.206 min Scan# 1913
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

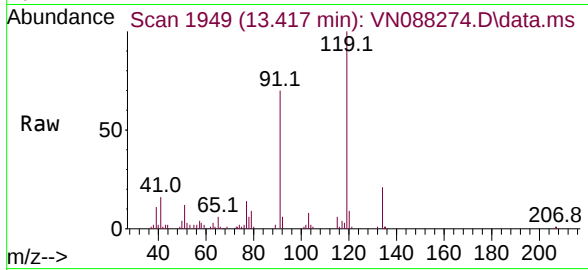
Tgt Ion: 91 Resp: 57871
Ion Ratio Lower Upper
91 100
126 31.7 0.0 60.8





#79
tert-butylbenzene
Concen: 4.578 ug/l
RT: 13.417 min Scan# 1948
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

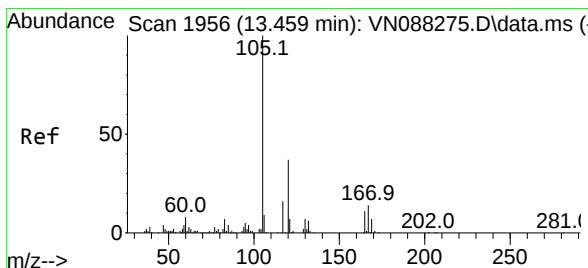
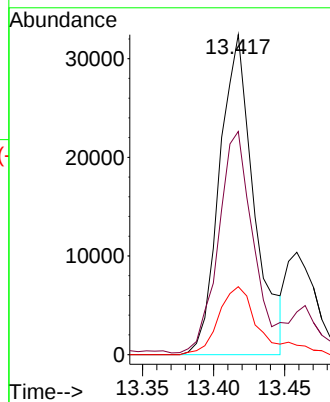
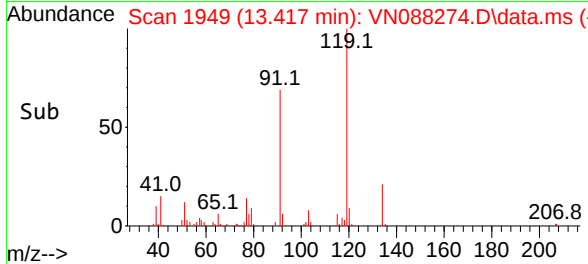
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:119 Resp: 5466
Ion Ratio Lower Upper
119 100
91 69.4 0.0 140.8
134 22.7 0.0 48.4

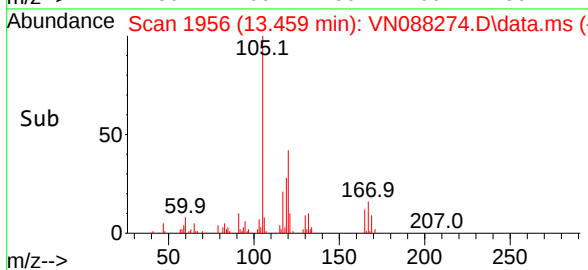
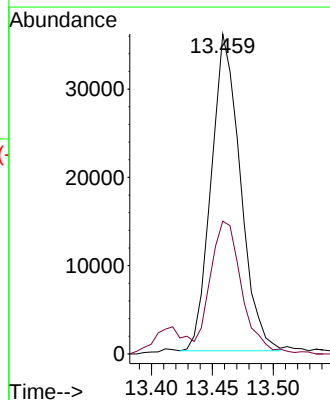
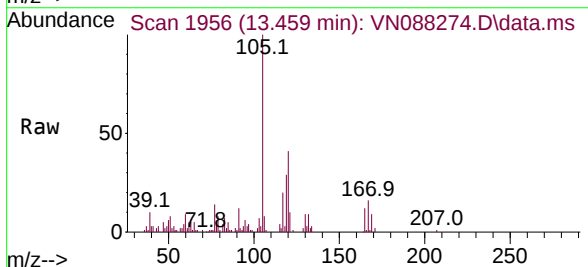
Manual Integrations
APPROVED

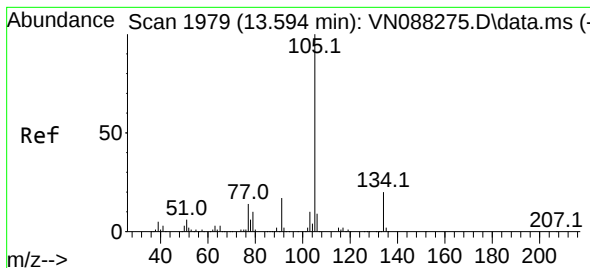
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#80
1,2,4-Trimethylbenzene
Concen: 4.320 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Tgt Ion:105 Resp: 59703
Ion Ratio Lower Upper
105 100
120 45.1 0.0 89.2





#81

sec-Butylbenzene

Concen: 4.567 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VN088274.D

Acq: 13 Nov 2025 10:14

Instrument :

MSVOA_N

ClientSampleId :

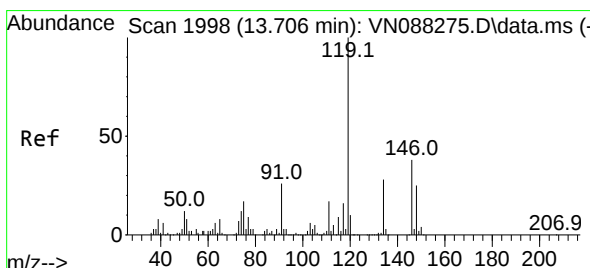
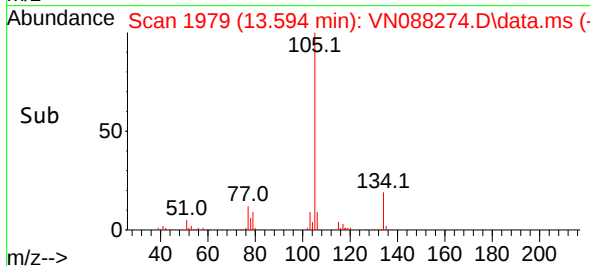
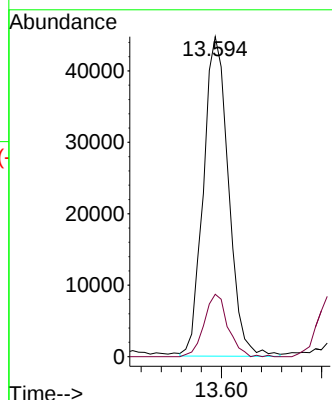
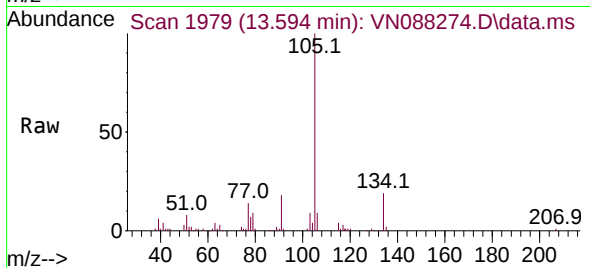
VSTDICC005

Tgt Ion:105 Resp: 77820
 Ion Ratio Lower Upper
 105 100
 134 18.2 0.0 38.4

Manual Integrations

APPROVED

Reviewed By :John Carbone 11/14/2025
 Supervised By :Semsettin Yesilyurt 11/14/2025



#82

p-Isopropyltoluene

Concen: 4.288 ug/l

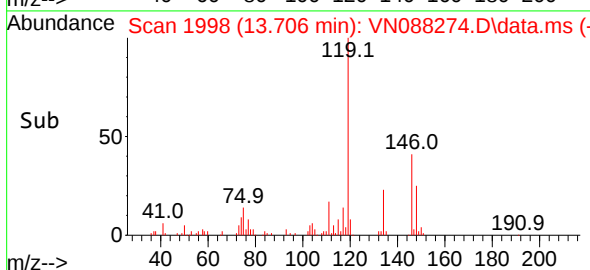
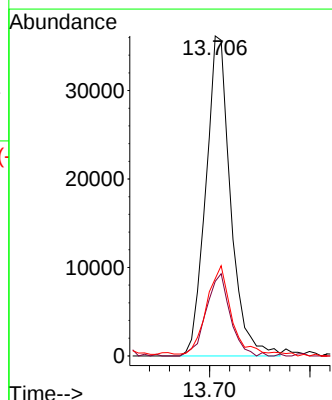
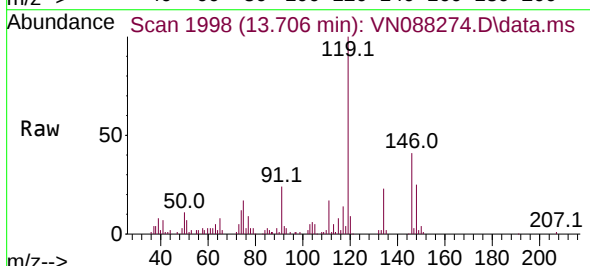
RT: 13.706 min Scan# 1998

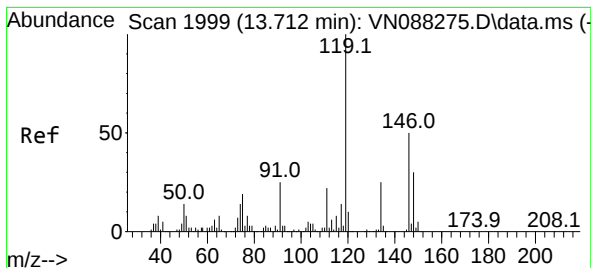
Delta R.T. -0.000 min

Lab File: VN088274.D

Acq: 13 Nov 2025 10:14

Tgt Ion:119 Resp: 61858
 Ion Ratio Lower Upper
 119 100
 134 24.7 0.0 51.2
 91 25.5 0.0 53.4





#83

1,3-Dichlorobenzene

Concen: 4.543 ug/l

RT: 13.717 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN088274.D

Acq: 13 Nov 2025 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

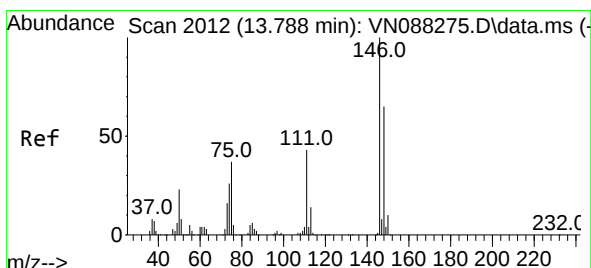
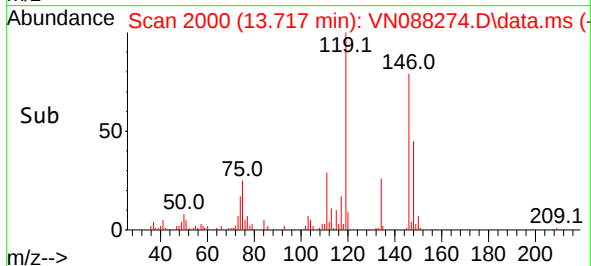
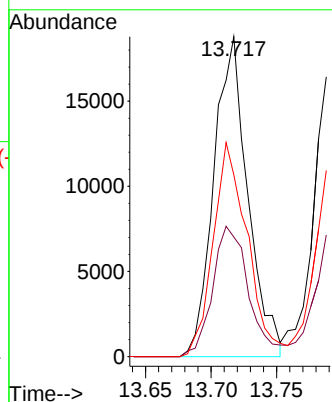
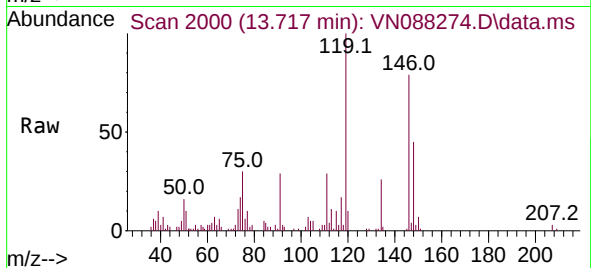
Tgt Ion:	146	Resp:	3387
Ion Ratio	Lower	Upper	
146	100		
111	43.7	22.1	66.5
148	67.6	31.4	94.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Semsettin Yesilyurt 11/14/2025



#84

1,4-Dichlorobenzene

Concen: 4.716 ug/l

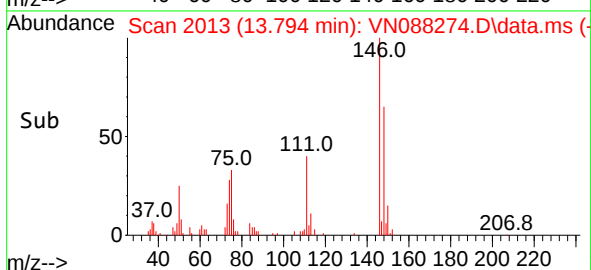
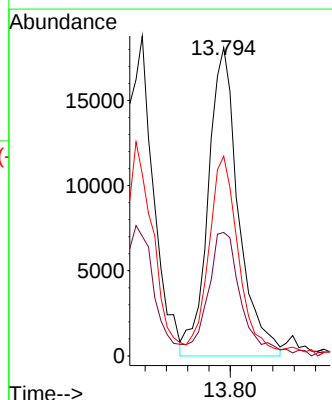
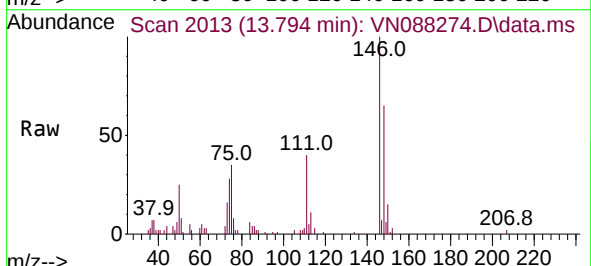
RT: 13.794 min Scan# 2013

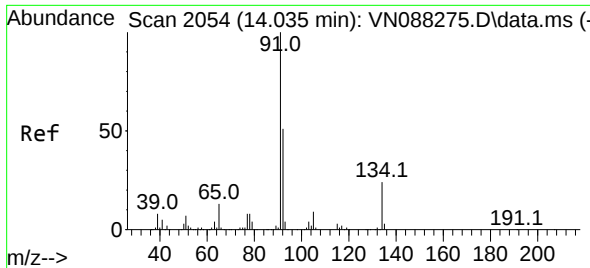
Delta R.T. 0.006 min

Lab File: VN088274.D

Acq: 13 Nov 2025 10:14

Tgt Ion:	146	Resp:	35917
Ion Ratio	Lower	Upper	
146	100		
111	35.2	21.8	65.3
148	63.6	31.9	95.5





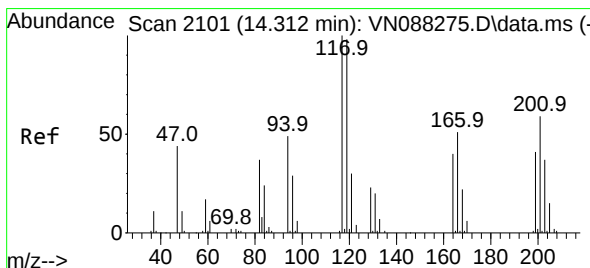
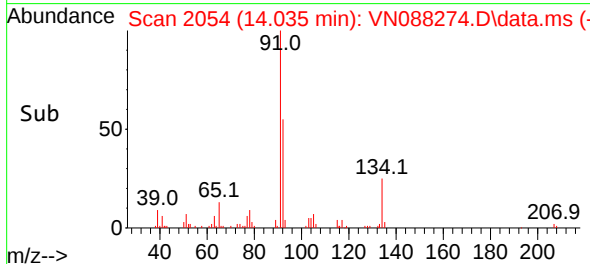
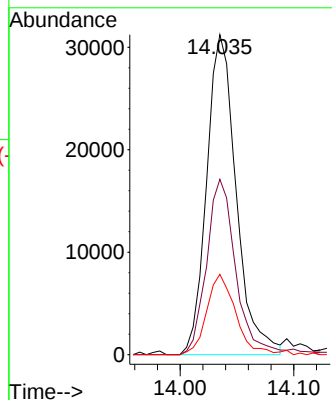
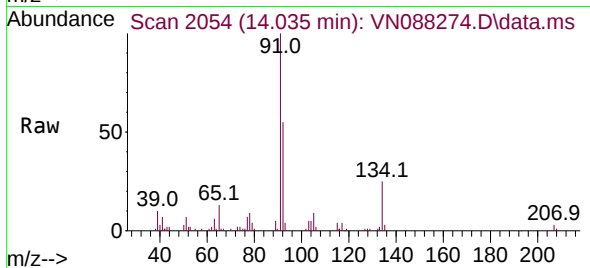
#85
n-Butylbenzene
Concen: 4.165 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 56476
Ion Ratio Lower Upper
91 100
92 53.8 0.0 102.4
134 23.9 0.0 45.8

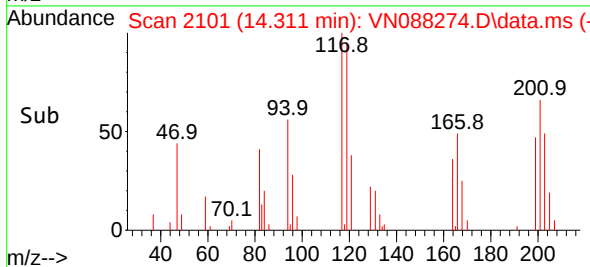
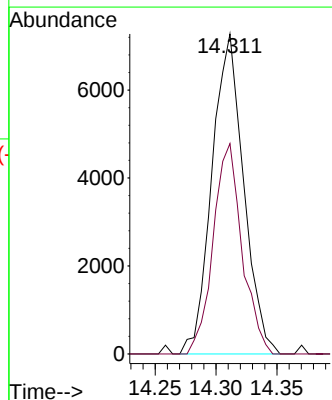
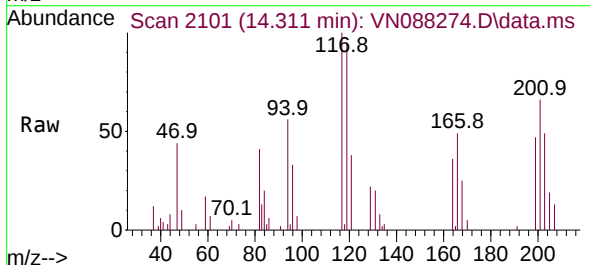
Manual Integrations
APPROVED

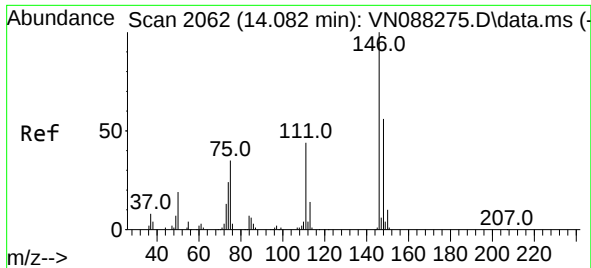
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#86
Hexachloroethane
Concen: 4.616 ug/l
RT: 14.311 min Scan# 2101
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Tgt Ion:117 Resp: 13194
Ion Ratio Lower Upper
117 100
201 59.8 30.6 92.0





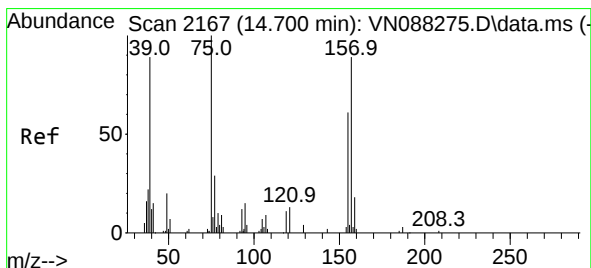
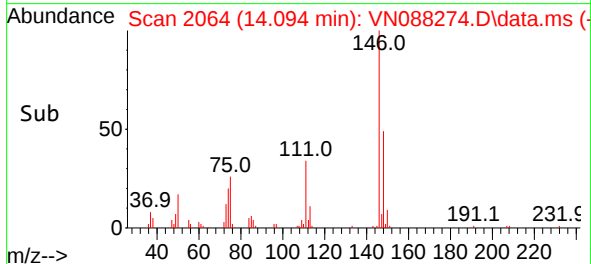
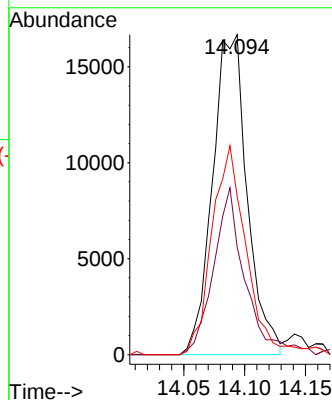
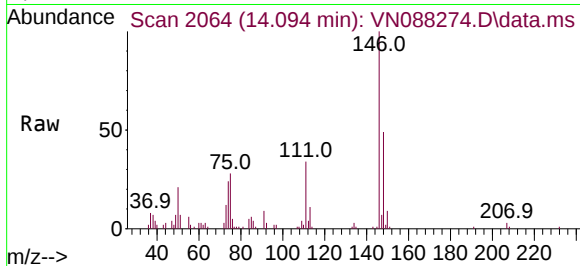
#87
1,2-Dichlorobenzene
Concen: 4.551 ug/l
RT: 14.094 min Scan# 2064
Delta R.T. 0.012 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:146 Resp: 33084
Ion Ratio Lower Upper
146 100
111 44.2 23.0 69.0
148 62.9 31.1 93.2

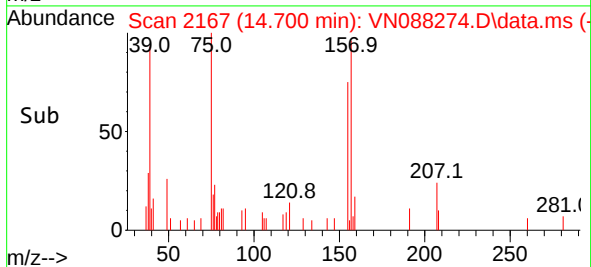
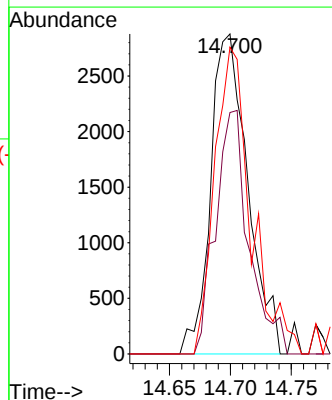
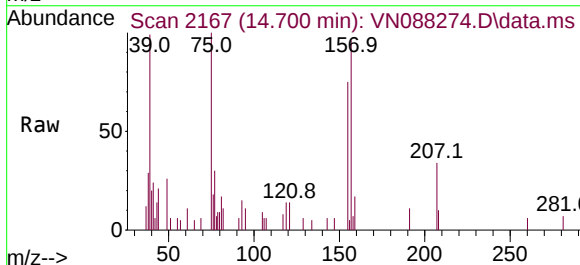
Manual Integrations
APPROVED

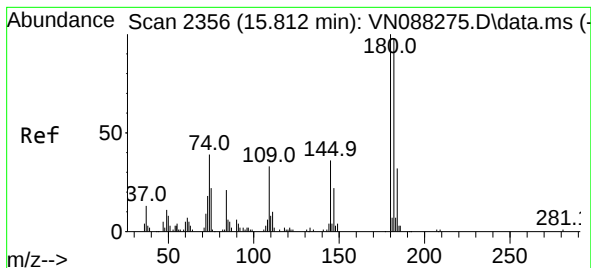
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 4.899 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. -0.000 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

Tgt Ion: 75 Resp: 6096
Ion Ratio Lower Upper
75 100
155 66.7 54.8 82.2
157 88.5 70.7 106.1





#89

1,2,4-Trichlorobenzene

Concen: 4.257 ug/l

RT: 15.817 min Scan# 2356

Delta R.T. 0.006 min

Lab File: VN088274.D

Acq: 13 Nov 2025 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

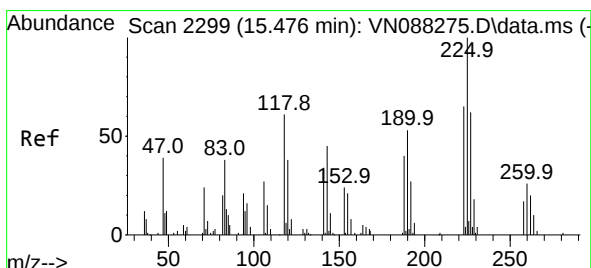
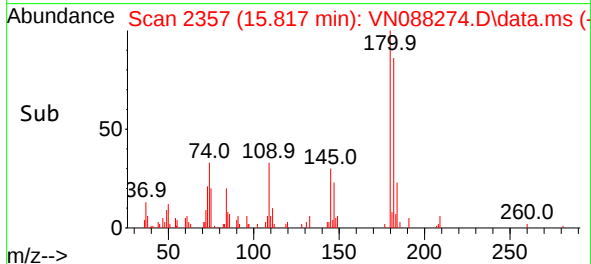
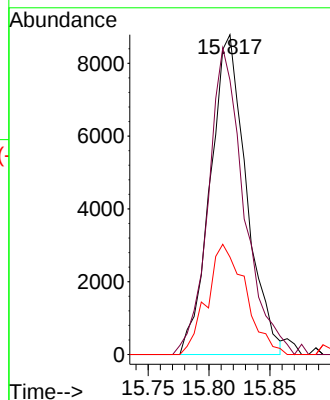
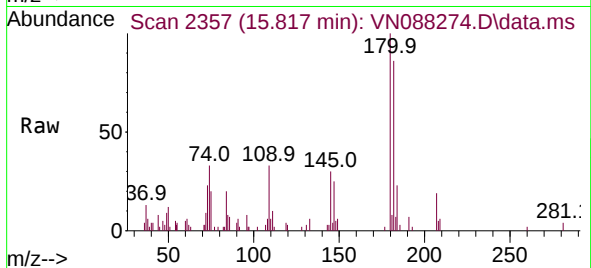
Tgt Ion:180	Resp:	1811
Ion Ratio	Lower	Upper
180	100	
182	94.7	77.3 115.9
145	37.0	30.2 45.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Semsettin Yesilyurt 11/14/2025



#90

Hexachlorobutadiene

Concen: 4.707 ug/l

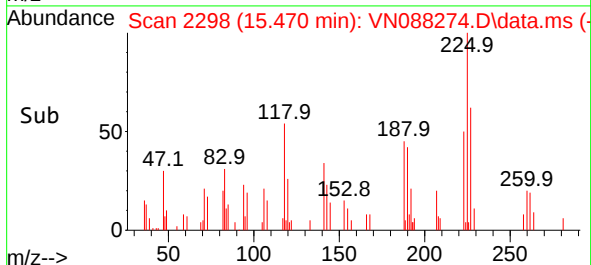
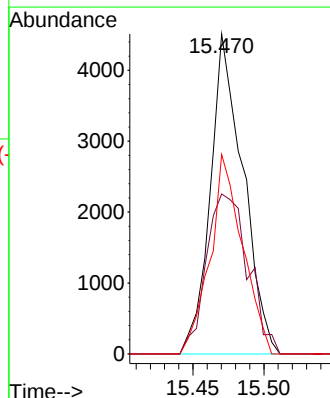
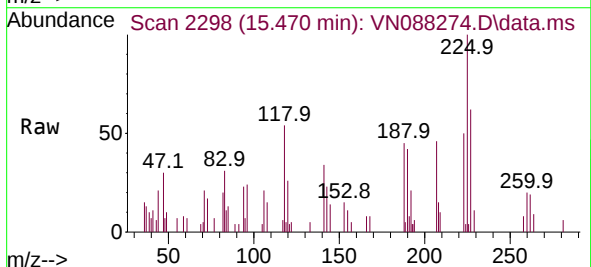
RT: 15.470 min Scan# 2298

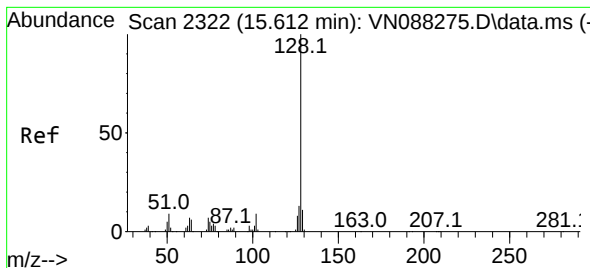
Delta R.T. -0.006 min

Lab File: VN088274.D

Acq: 13 Nov 2025 10:14

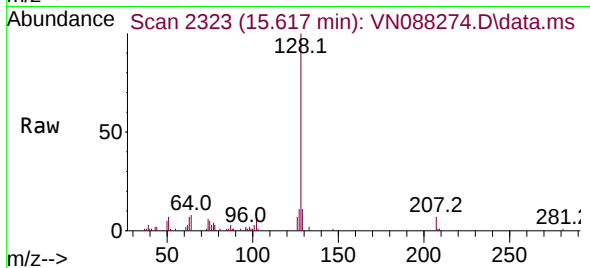
Tgt Ion:225	Resp:	7223
Ion Ratio	Lower	Upper
225	100	
223	63.9	0.0 132.0
227	62.0	0.0 132.6





#91
Naphthalene
Concen: 3.973 ug/l
RT: 15.617 min Scan# 2322
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14

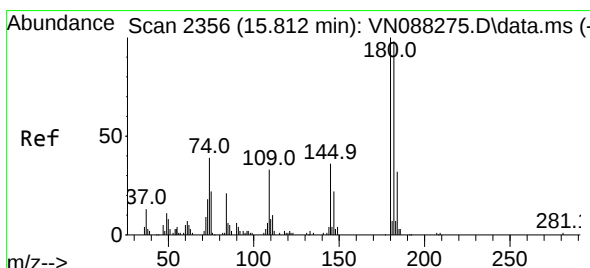
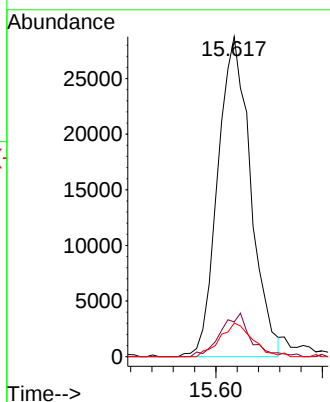
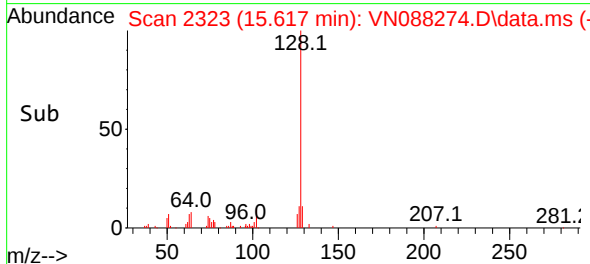
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



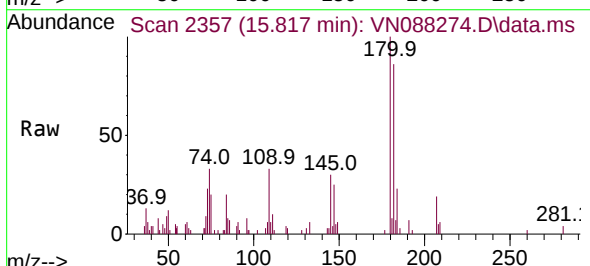
Tgt Ion:128 Resp: 6169
Ion Ratio Lower Upper
128 100
127 12.3 10.6 16.0
129 10.2 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#92
1,2,3-Trichlorobenzene
Concen: 4.257 ug/l
RT: 15.817 min Scan# 2357
Delta R.T. 0.006 min
Lab File: VN088274.D
Acq: 13 Nov 2025 10:14



Tgt Ion:180 Resp: 18113
Ion Ratio Lower Upper
180 100
182 94.7 0.0 193.2
145 37.0 0.0 75.6

