

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112025\
 Data File : VN088317.D
 Acq On : 20 Nov 2025 09:13
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/21/2025
 Supervised By : Semsettin Yesilyurt 11/21/2025

Quant Time: Nov 21 02:54:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N11325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	49901	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	246084	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	228625	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	129115	28.326	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.433%		
60) 4-Bromofluorobenzene	12.823	95	109083	28.225	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	94.067%		
63) Toluene-d8	10.541	98	326012	30.120	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.400%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	57778	16.471	ug/l	98
3) Chloromethane	2.383	50	61938	17.126	ug/l	95
4) Vinyl Chloride	2.536	62	61978	16.207	ug/l	96
5) Bromomethane	2.983	94	37266	18.276	ug/l	87
6) Chloroethane	3.142	64	40568	17.163	ug/l	97
7) Trichlorofluoromethane	3.512	101	87660	16.350	ug/l	99
8) Diethyl Ether	3.965	74	32496	16.216	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.377	101	48435m	17.220	ug/l	
10) 1,1-Dichloroethene	4.336	96	46372	16.899	ug/l	96
11) Methyl Iodide	4.589	142	42167	14.440	ug/l	91
12) Methyl Acetate	5.012	43	73881	16.689	ug/l #	87
13) Acrolein	4.183	56	50547	77.607	ug/l	97
14) Acrylonitrile	5.706	53	162680	80.873	ug/l	98
15) Acetone	4.424	58	47921	81.464	ug/l	91
16) Carbon Disulfide	4.712	76	153067	16.540	ug/l	95
17) Allyl chloride	5.018	41	83581	15.674	ug/l	97
18) Methylene Chloride	5.271	84	61697	18.089	ug/l	94
19) trans-1,2-Dichloroethene	5.777	96	52233	16.347	ug/l	98
20) Diisopropyl ether	6.653	45	187205	16.429	ug/l	95
21) 1,1-Dichloroethane	6.553	63	108041	16.830	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	62526	16.836	ug/l	94
23) tert-Butyl Alcohol	5.506	59	49262m	66.601	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	176110	15.918	ug/l	99
25) Chloroform	7.953	83	109207	17.168	ug/l	93
26) Cyclohexane	8.235	56	80122	14.776	ug/l #	93
29) 1,1-Dichloropropene	8.353	75	70055	17.061	ug/l	98
30) 2-Butanone	7.471	43	226819	85.398	ug/l	98
31) 2,2-Dichloropropane	7.471	77	91099	17.988	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	91550	18.087	ug/l	96
33) Carbon Tetrachloride	8.347	117	76597	17.721	ug/l	97
34) Benzene	8.588	78	225525	18.375	ug/l	99
35) Methacrylonitrile	7.759	41	51139	18.459	ug/l	95
36) 1,2-Dichloroethane	8.647	62	84451	17.681	ug/l	99
37) Trichloroethene	9.335	130	50680	18.222	ug/l	92
38) Methylcyclohexane	9.582	83	70984	15.079	ug/l	96
39) 1,2-Dichloropropane	9.600	63	58884	18.596	ug/l	93
40) Dibromomethane	9.688	93	42498	18.680	ug/l	95
41) Bromodichloromethane	9.865	83	88539	19.332	ug/l	98
42) Vinyl Acetate	6.594	43	768278	86.666	ug/l	99

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/21/2025

Supervised By :Semsettin Yesilyurt 11/21/2025

Quant Time: Nov 21 02:54:12 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M

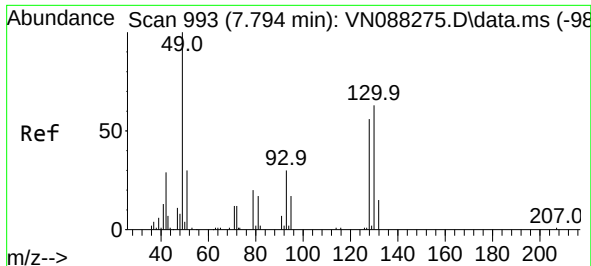
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Fri Nov 14 00:49:21 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	94756m	17.731	ug/l	
44) Isopropyl Acetate	8.671	43	145451	17.661	ug/l	99
45) 1,4-Dioxane	9.682	88	16790	338.539	ug/l #	73
46) Methyl methacrylate	9.659	41	64106	16.634	ug/l	95
47) n-amyl Acetate	12.688	43	73393m	17.586	ug/l	
48) t-1,3-Dichloropropene	10.818	75	86639	17.687	ug/l	100
49) cis-1,3-Dichloropropene	10.288	75	92225	18.095	ug/l	99
50) 1,1,2-Trichloroethane	10.994	97	54708	19.447	ug/l	98
51) Ethyl methacrylate	10.853	69	75216	16.251	ug/l	94
52) 1,3-Dichloropropane	11.141	76	94744	18.493	ug/l	100
53) Dibromochloromethane	11.341	129	62622	19.380	ug/l	99
54) 1,2-Dibromoethane	11.447	107	54745	18.729	ug/l	97
55) 2-Chloroethyl vinyl ether	10.141	63	149711	56.153	ug/l	98
56) Bromoform	12.559	173	38029	18.593	ug/l	100
58) 4-Methyl-2-Pentanone	10.424	43	452392	87.488	ug/l	100
59) 2-Hexanone	11.176	43	300706	87.577	ug/l	99
61) Tetrachloroethene	11.082	164	43256	18.351	ug/l	95
62) Toluene	10.606	91	234271	17.856	ug/l	100
64) Chlorobenzene	11.870	112	146772	18.063	ug/l	93
65) 1,1,1,2-Tetrachloroethane	11.935	131	51974	18.688	ug/l	95
66) Ethyl Benzene	11.941	91	240580	16.638	ug/l	98
67) m/p-Xylenes	12.047	106	187264	34.631	ug/l	100
68) o-Xylene	12.376	106	88005	17.252	ug/l	94
69) Styrene	12.394	104	144836	16.717	ug/l	99
70) Isopropylbenzene	12.670	105	217425	16.083	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.917	83	83861	19.150	ug/l	97
72) 1,2,3-Trichloropropane	12.970	75	68748m	16.205	ug/l	
73) Bromobenzene	12.959	156	56086	18.377	ug/l	94
74) n-propylbenzene	13.012	91	282261	16.872	ug/l	100
75) 2-Chlorotoluene	13.100	91	171401	16.849	ug/l	98
76) 1,3,5-Trimethylbenzene	13.147	105	190504	16.788	ug/l	100
77) t-1,4-Dichloro-2-butene	12.717	75	19945	13.690	ug/l	95
78) 4-Chlorotoluene	13.200	91	182371	17.691	ug/l	99
79) tert-butylbenzene	13.417	119	159847	16.453	ug/l	96
80) 1,2,4-Trimethylbenzene	13.459	105	188180	16.677	ug/l	99
81) sec-Butylbenzene	13.594	105	226318	15.971	ug/l	99
82) p-Isopropyltoluene	13.706	119	186938	15.965	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	108100	18.230	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	111384	18.548	ug/l	98
85) n-Butylbenzene	14.035	91	182643	16.367	ug/l	98
86) Hexachloroethane	14.306	117	38999	17.395	ug/l	99
87) 1,2-Dichlorobenzene	14.082	146	101312	18.101	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.700	75	16820	16.341	ug/l	93
89) 1,2,4-Trichlorobenzene	15.811	180	52905	16.844	ug/l	98
90) Hexachlorobutadiene	15.476	225	21924	17.974	ug/l	97
91) Naphthalene	15.617	128	180279	15.864	ug/l	100
92) 1,2,3-Trichlorobenzene	15.811	180	52905	16.844	ug/l	98

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



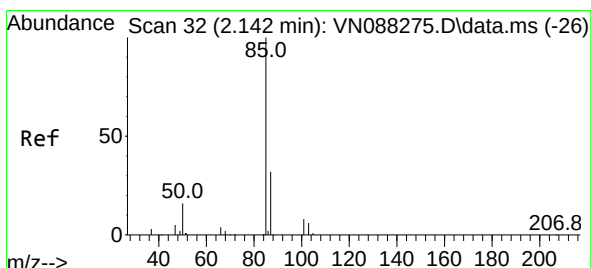
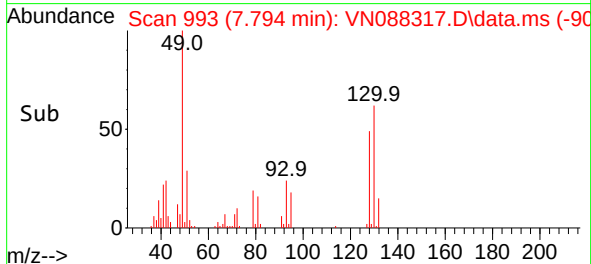
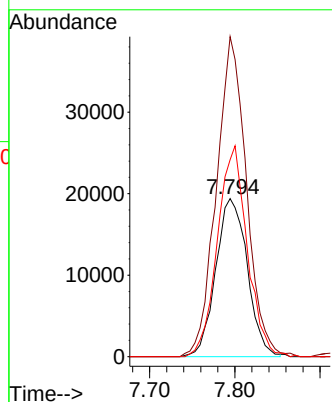
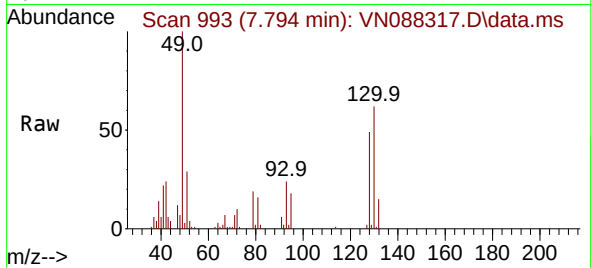
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 4990
Ion Ratio Lower Upper
128 100
49 192.5 0.0 501.2
130 125.9 0.0 320.2

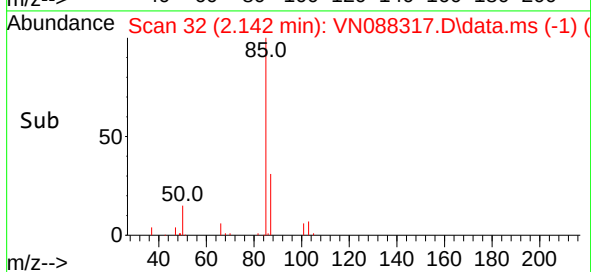
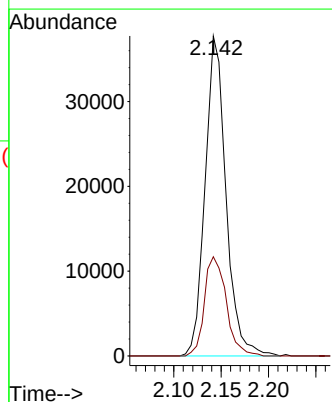
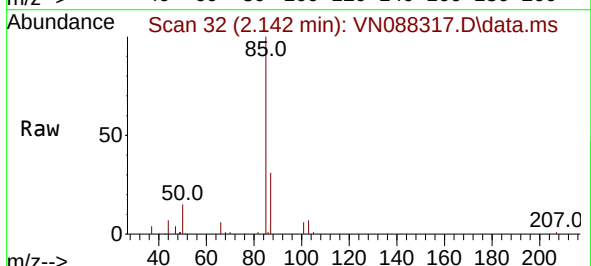
Manual Integrations
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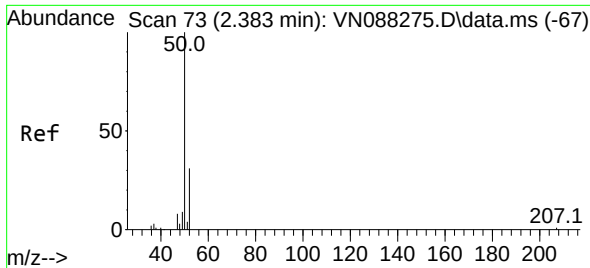
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#2
Dichlorodifluoromethane
Concen: 16.471 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

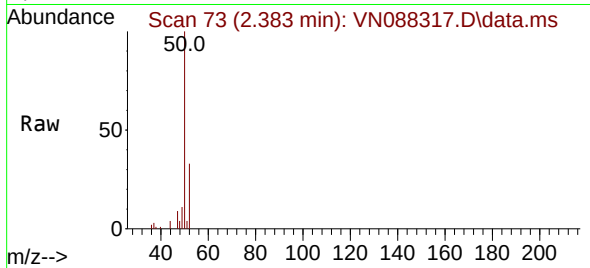
Tgt Ion: 85 Resp: 57778
Ion Ratio Lower Upper
85 100
87 31.0 16.0 48.0





#3
Chloromethane
Concen: 17.126 ug/l
RT: 2.383 min Scan# 73
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

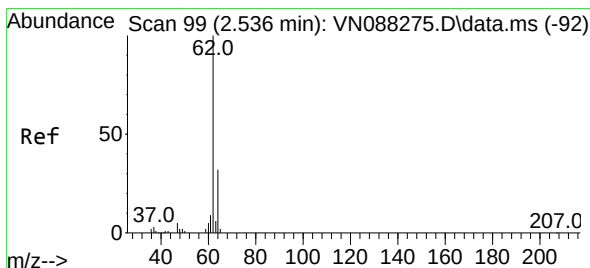
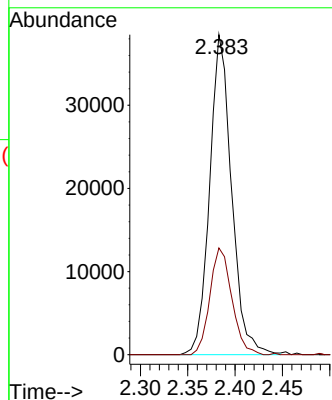
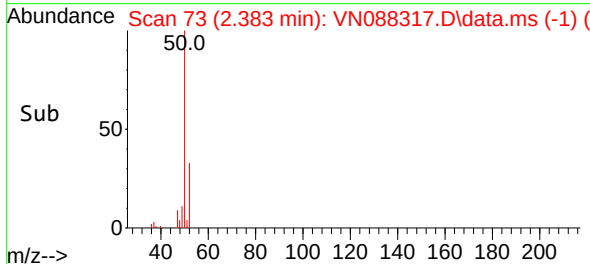
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



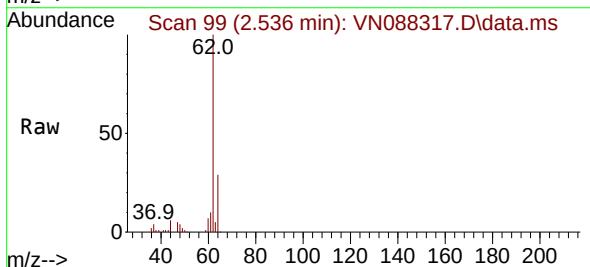
Tgt Ion: 50 Resp: 61938
Ion Ratio Lower Upper
50 100
52 33.3 24.6 36.8

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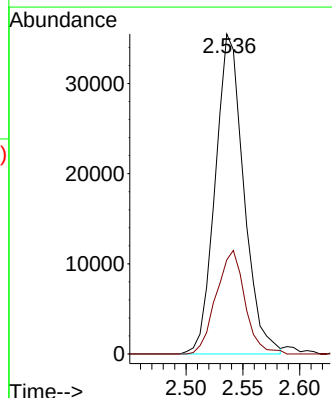
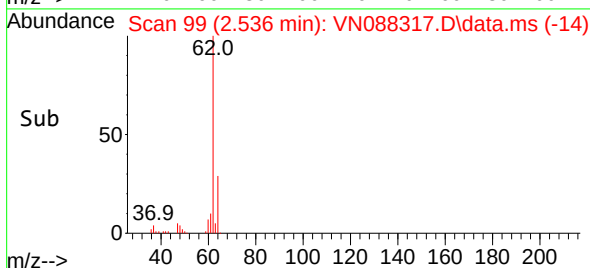
Reviewed By :John Carlone 11/21/2025
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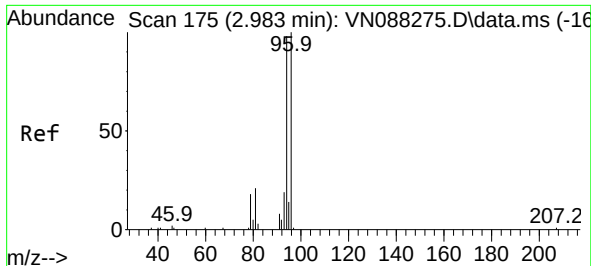


#4
Vinyl Chloride
Concen: 16.207 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13



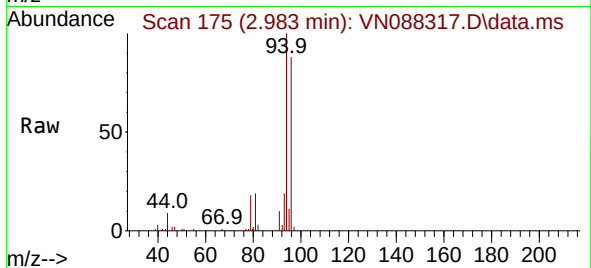
Tgt Ion: 62 Resp: 61978
Ion Ratio Lower Upper
62 100
64 29.4 25.4 38.2





#5
Bromomethane
Concen: 18.276 ug/l
RT: 2.983 min Scan# 175
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

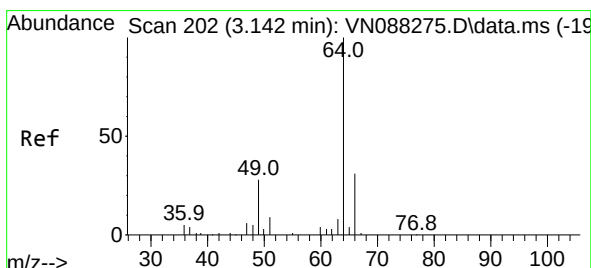
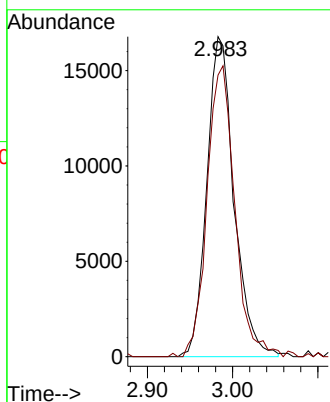
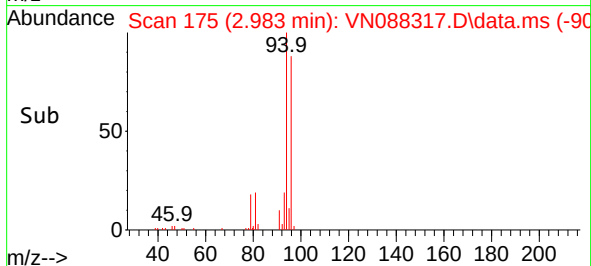
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



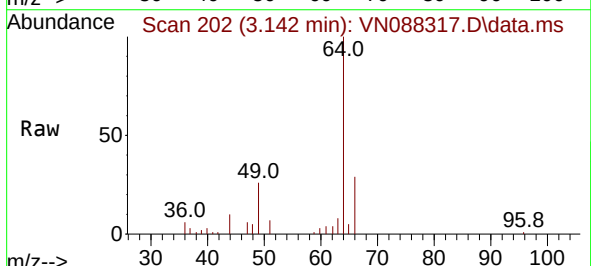
Tgt Ion: 94 Resp: 37260
Ion Ratio Lower Upper
94 100
96 88.0 81.3 121.9

Manual Integrations
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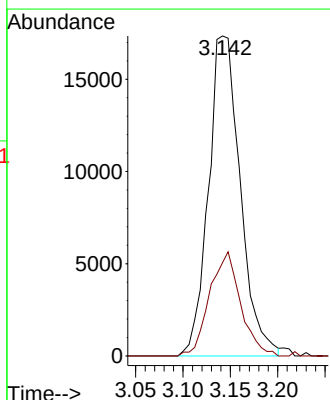
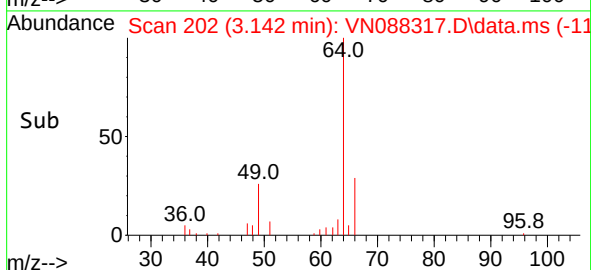
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025

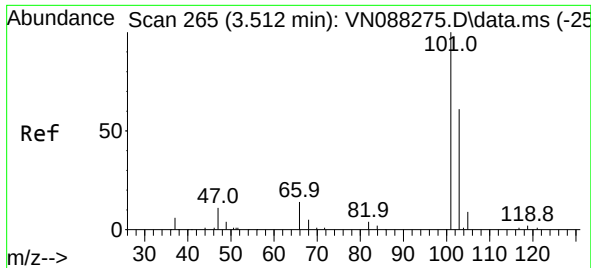


#6
Chloroethane
Concen: 17.163 ug/l
RT: 3.142 min Scan# 202
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13



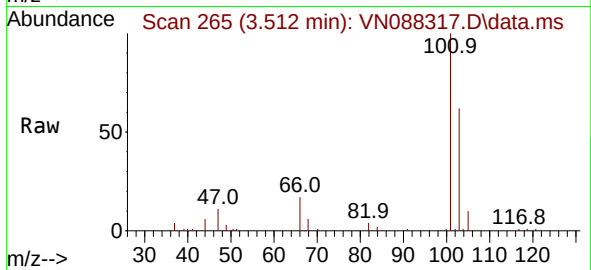
Tgt Ion: 64 Resp: 40568
Ion Ratio Lower Upper
64 100
66 29.2 24.7 37.1





#7
 Trichlorofluoromethane
 Concen: 16.350 ug/l
 RT: 3.512 min Scan# 265
 Delta R.T. -0.000 min
 Lab File: VN088317.D
 Acq: 20 Nov 2025 09:13

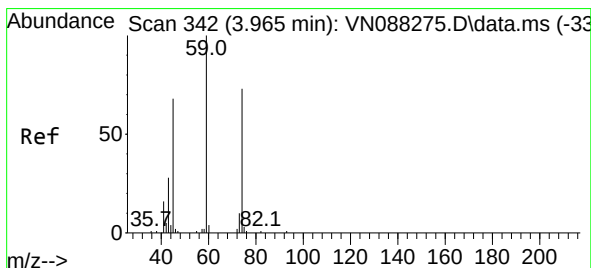
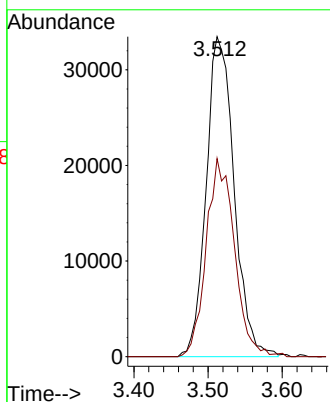
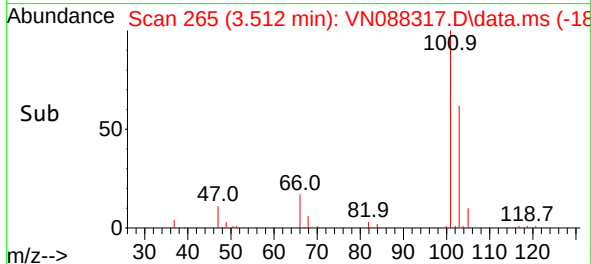
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 MSVOA_N
 ClientSampleId :
 VSTDCCC020



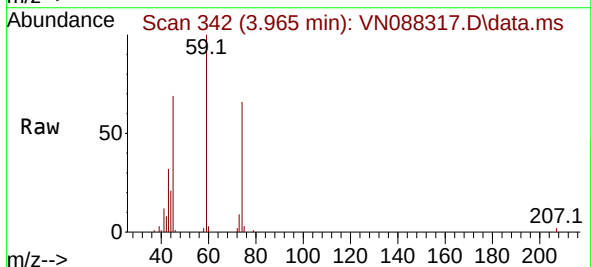
Tgt Ion:101 Resp: 87660
 Ion Ratio Lower Upper
 101 100
 103 61.9 48.6 73.0

Manual Integrations
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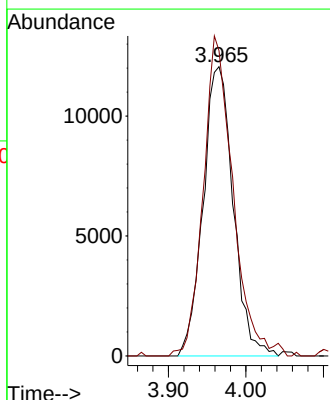
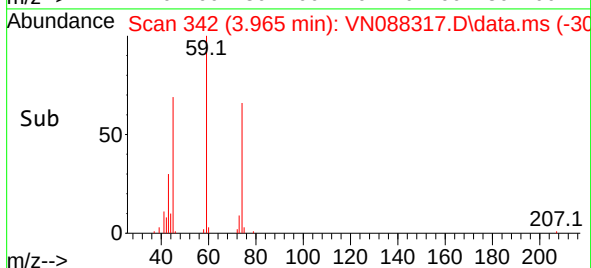
Reviewed By :John Carlone 11/21/2025
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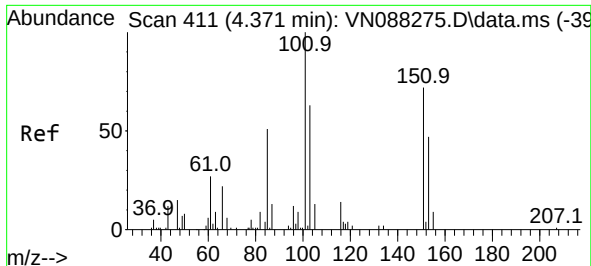


#8
 Diethyl Ether
 Concen: 16.216 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. -0.000 min
 Lab File: VN088317.D
 Acq: 20 Nov 2025 09:13



Tgt Ion: 74 Resp: 32496
 Ion Ratio Lower Upper
 74 100
 45 104.4 20.9 187.7





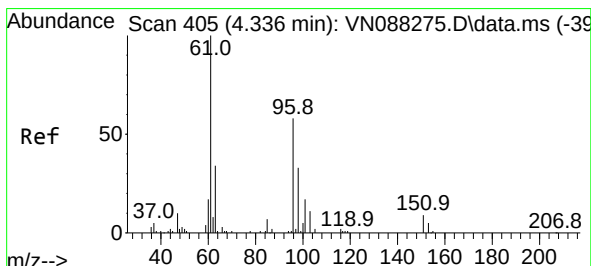
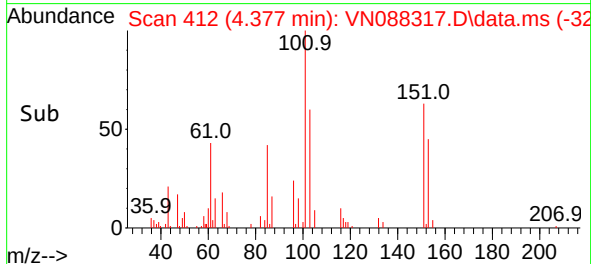
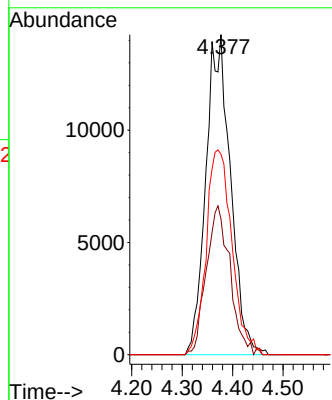
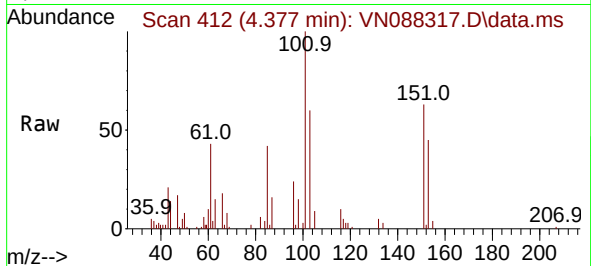
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1,1,2-Trichlorotrifluoroethane
Concen: 17.220 ug/l m
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 4843
Ion Ratio Lower Upper
101 100
85 35.6 0.0 100.8
151 65.9 0.0 138.4

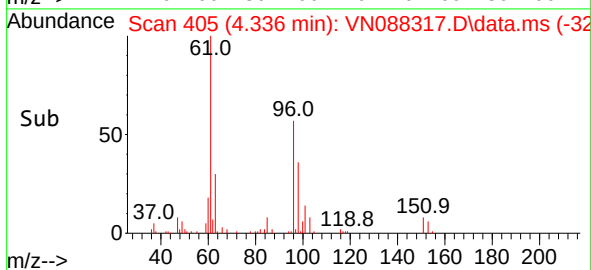
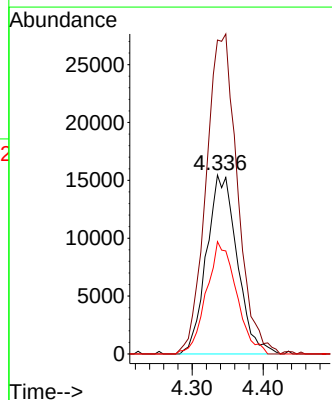
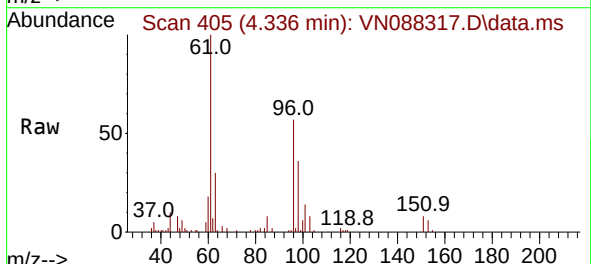
Manual Integrations
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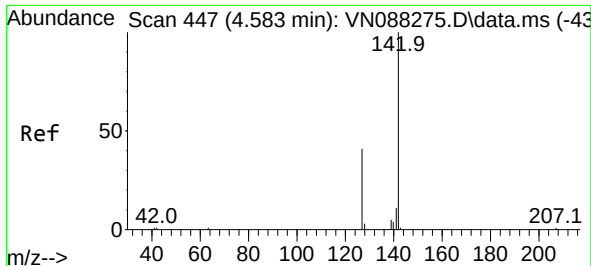
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#10
1,1-Dichloroethene
Concen: 16.899 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

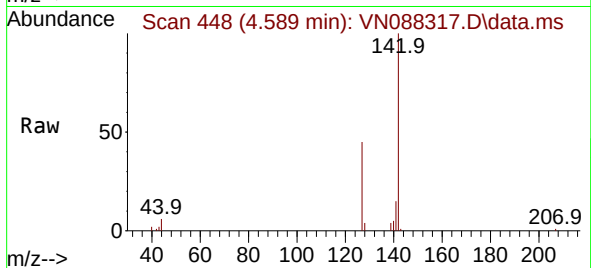
Tgt Ion: 96 Resp: 46372
Ion Ratio Lower Upper
96 100
61 175.6 137.8 206.8
98 62.8 45.6 68.4





#11
Methyl Iodide
Concen: 14.440 ug/l
RT: 4.589 min Scan# 447
Delta R.T. 0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

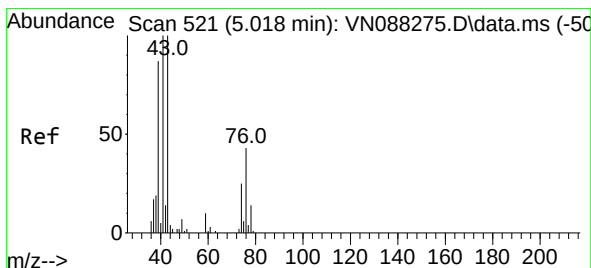
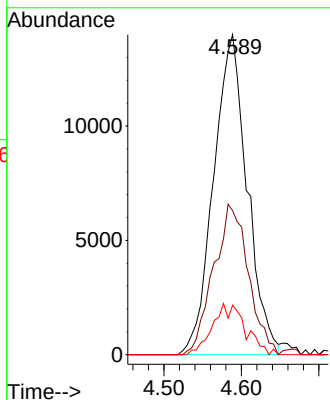
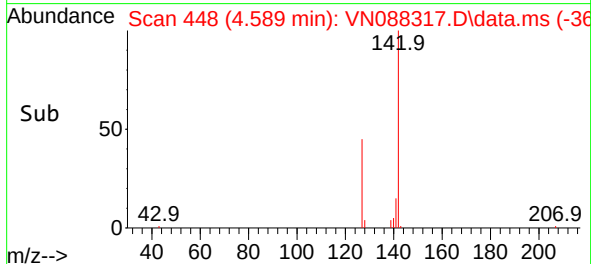
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 4216
Ion Ratio Lower Upper
142 100
127 45.7 20.4 61.2
141 15.7 5.6 16.8

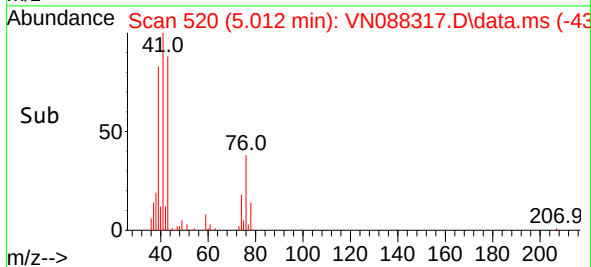
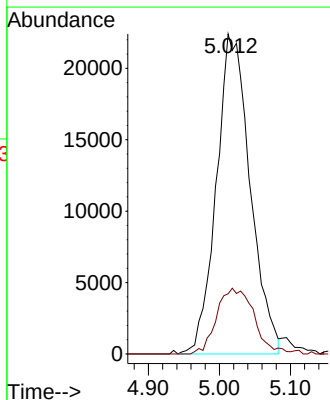
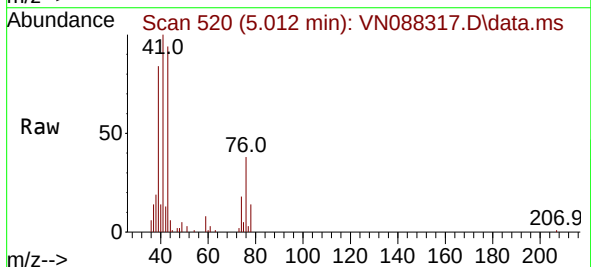
Manual Integrations
APPROVED

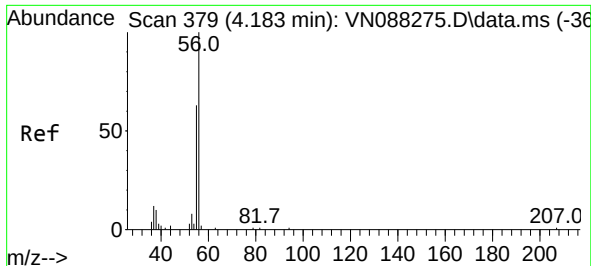
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#12
Methyl Acetate
Concen: 16.689 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

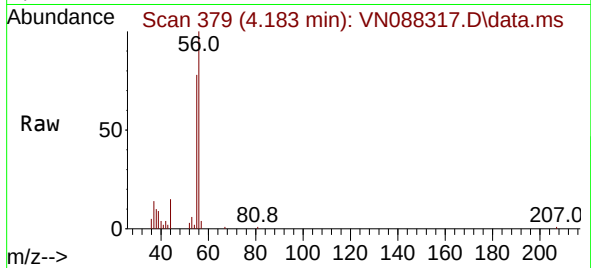
Tgt Ion: 43 Resp: 73881
Ion Ratio Lower Upper
43 100
74 18.3 19.8 29.8#





#13
Acrolein
Concen: 77.607 ug/l
RT: 4.183 min Scan# 379
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

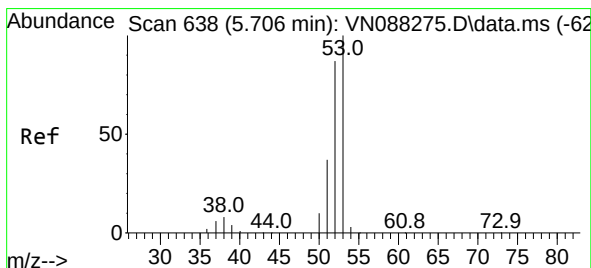
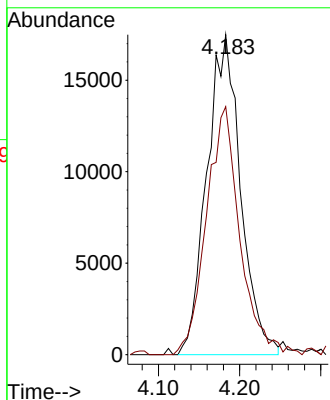
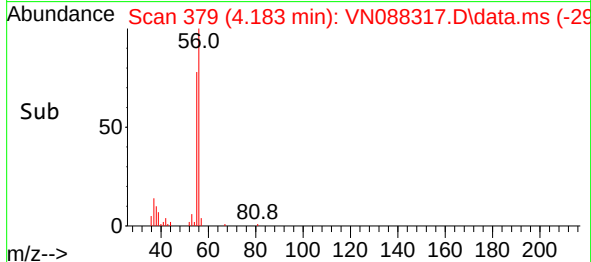
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 56 Resp: 5054
Ion Ratio Lower Upper
56 100
55 75.1 57.9 86.9

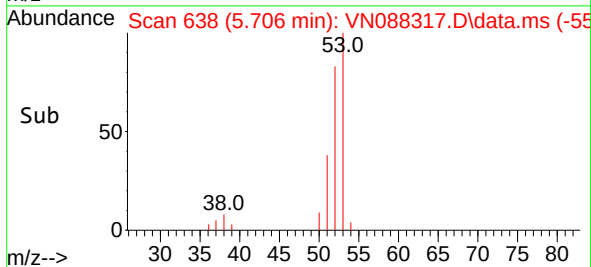
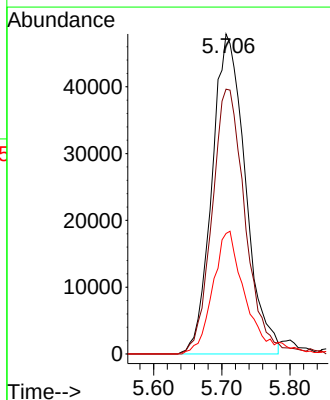
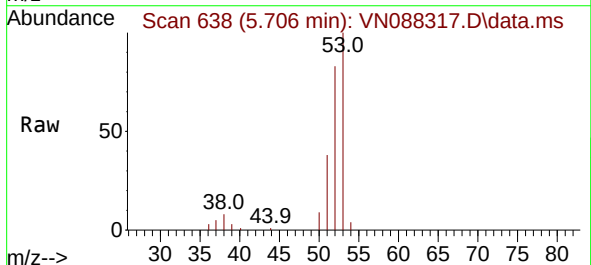
Manual Integrations
APPROVED

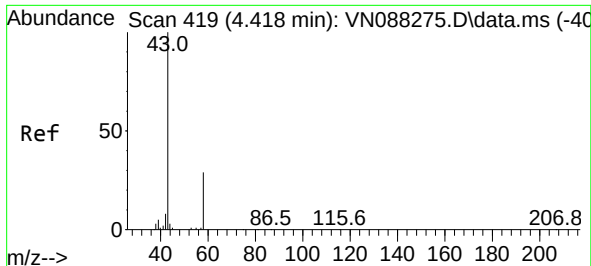
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#14
Acrylonitrile
Concen: 80.873 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Tgt Ion: 53 Resp: 162680
Ion Ratio Lower Upper
53 100
52 82.0 42.3 126.9
51 36.3 18.4 55.2





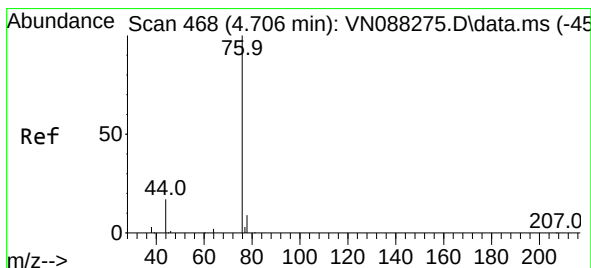
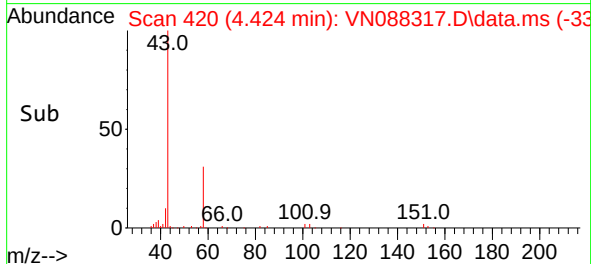
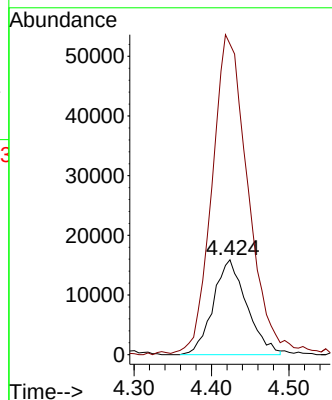
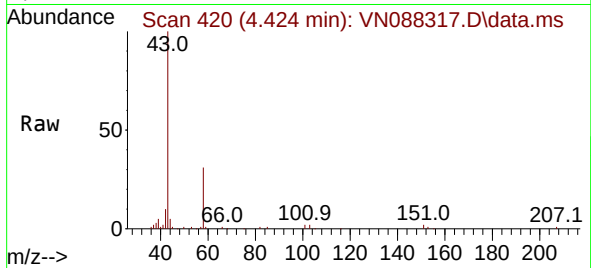
#15
Acetone
Concen: 81.464 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 58 Resp: 4792
Ion Ratio Lower Upper
58 100
43 322.9 273.9 410.9

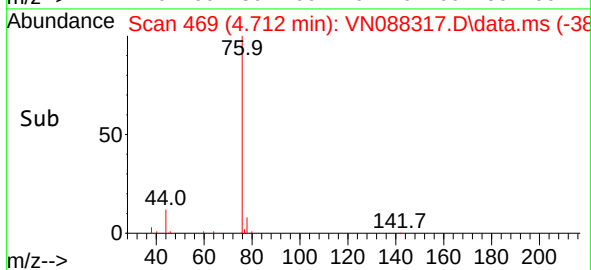
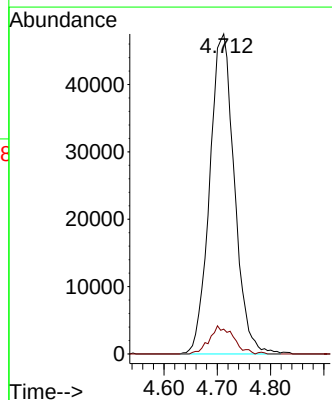
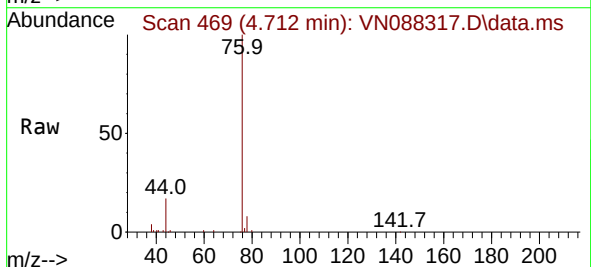
Manual Integrations
APPROVED

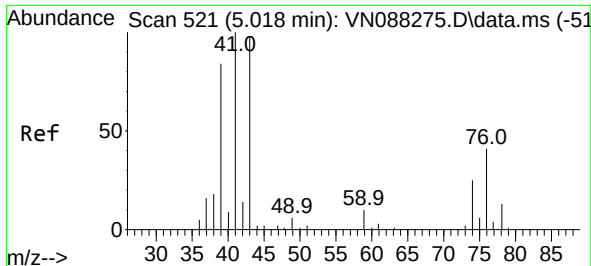
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#16
Carbon Disulfide
Concen: 16.540 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

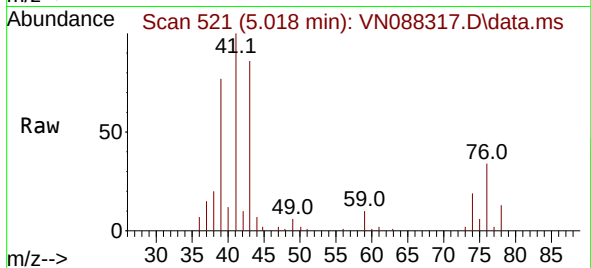
Tgt Ion: 76 Resp: 153067
Ion Ratio Lower Upper
76 100
78 7.7 7.5 11.3





#17
 Allyl chloride
 Concen: 15.674 ug/l
 RT: 5.018 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN088317.D
 Acq: 20 Nov 2025 09:13

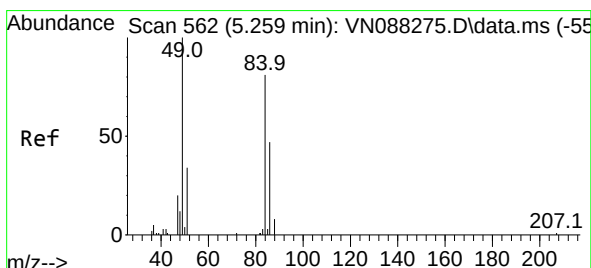
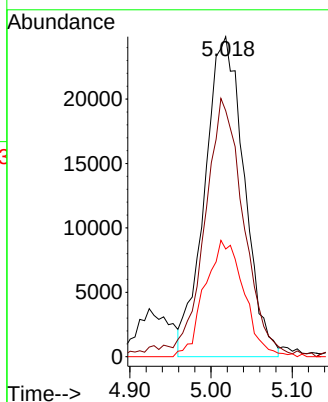
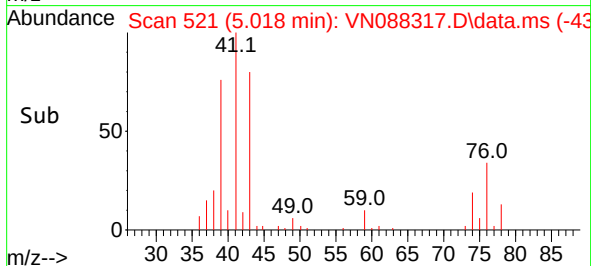
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 41 Resp: 8358
 Ion Ratio Lower Upper
 41 100
 39 75.6 38.3 114.9
 76 33.4 18.5 55.5

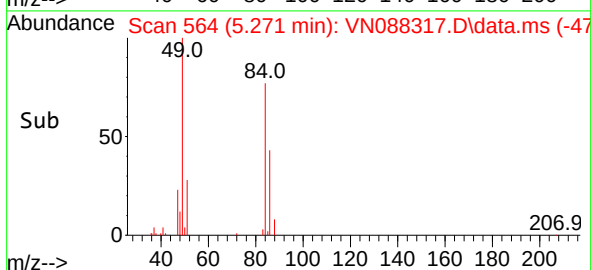
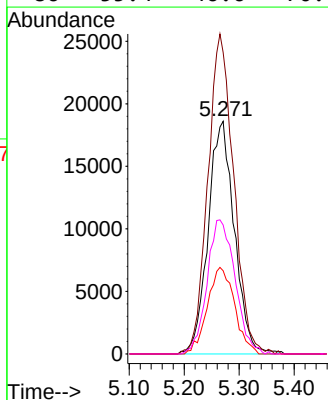
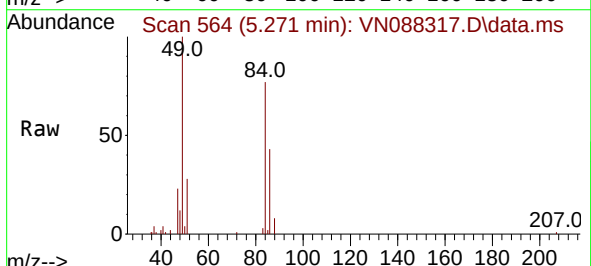
Manual Integrations
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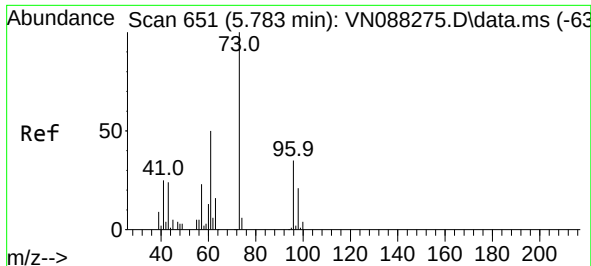
Reviewed By :John Carlone 11/21/2025
 Supervised By :Semsettin Yesilyurt 11/21/2025



#18
 Methylene Chloride
 Concen: 18.089 ug/l
 RT: 5.271 min Scan# 564
 Delta R.T. 0.012 min
 Lab File: VN088317.D
 Acq: 20 Nov 2025 09:13

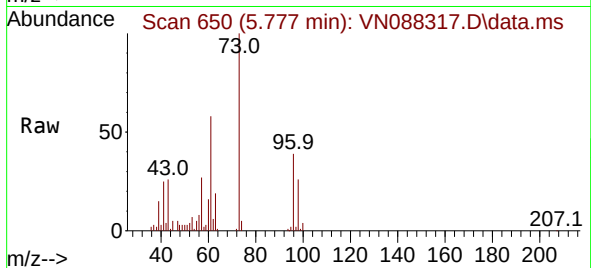
Tgt Ion: 84 Resp: 61697
 Ion Ratio Lower Upper
 84 100
 49 129.6 98.7 148.1
 51 35.8 33.7 50.5
 86 55.4 46.6 70.0





#19
trans-1,2-Dichloroethene
Concen: 16.347 ug/l
RT: 5.777 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

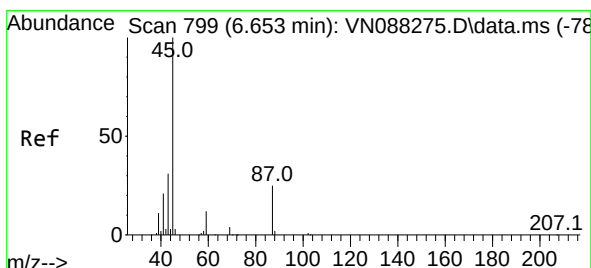
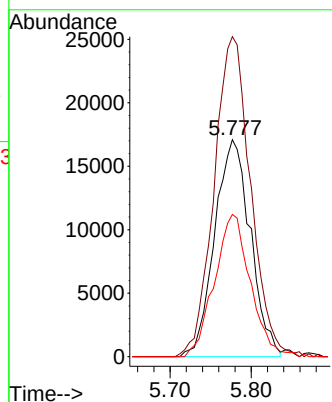
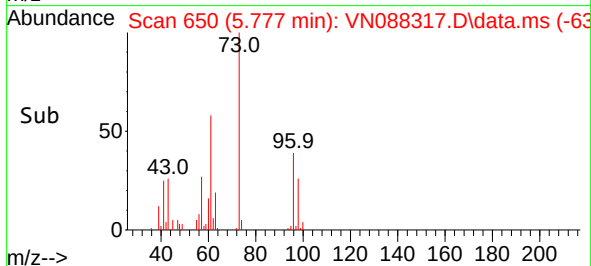
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 96 Resp: 5223
Ion Ratio Lower Upper
96 100
61 146.1 117.0 175.4
98 65.6 48.6 72.8

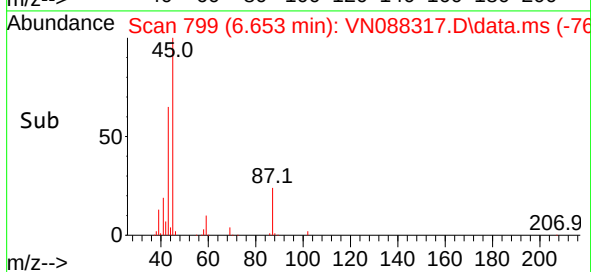
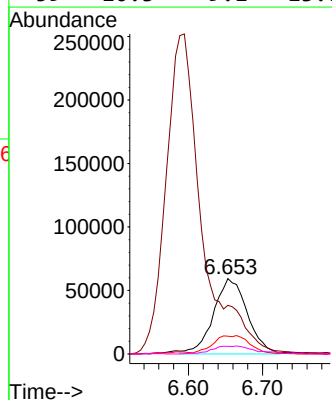
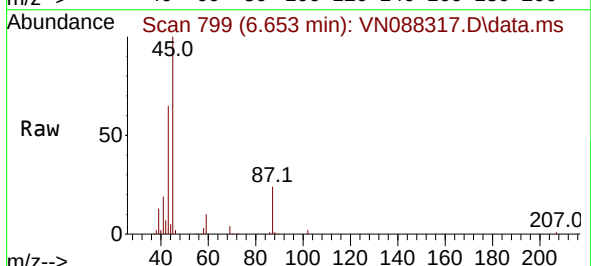
Manual Integrations
APPROVED

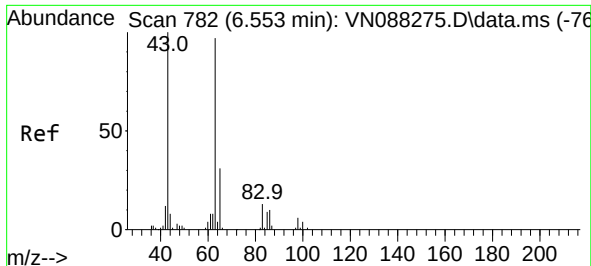
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#20
Diisopropyl ether
Concen: 16.429 ug/l
RT: 6.653 min Scan# 799
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Tgt Ion: 45 Resp: 187205
Ion Ratio Lower Upper
45 100
43 61.6 51.9 77.9
87 22.9 21.1 31.7
59 10.3 9.1 13.7





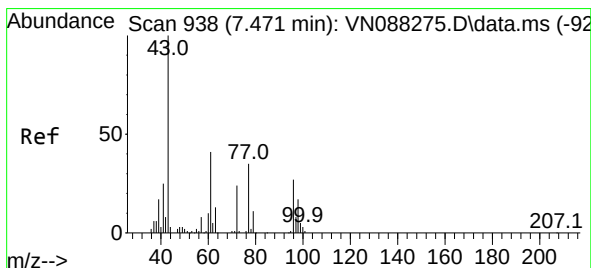
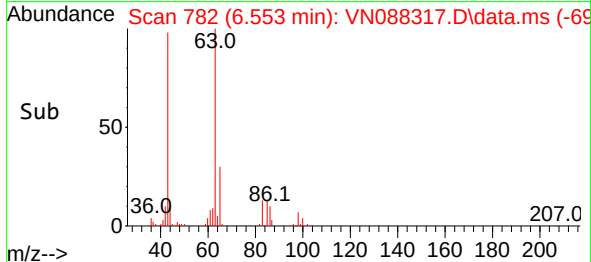
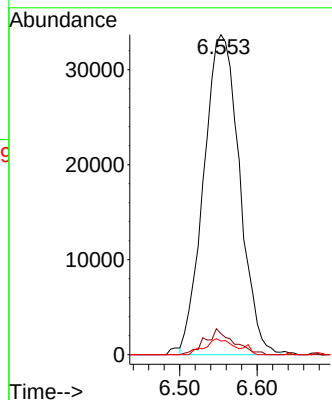
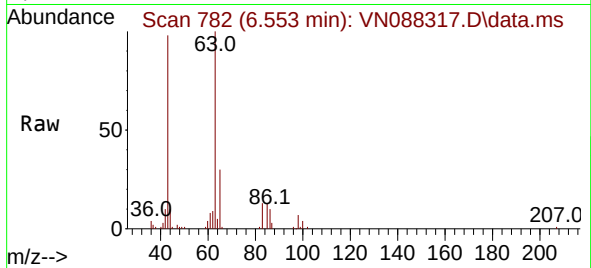
#21
1,1-Dichloroethane
Concen: 16.830 ug/l
RT: 6.553 min Scan# 782
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 10804
Ion Ratio Lower Upper
63 100
98 6.6 3.0 9.0
100 4.3 2.1 6.3

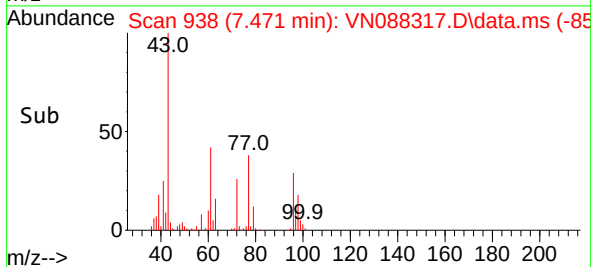
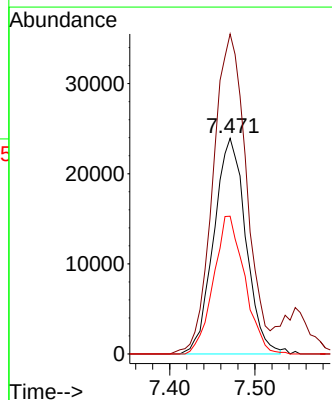
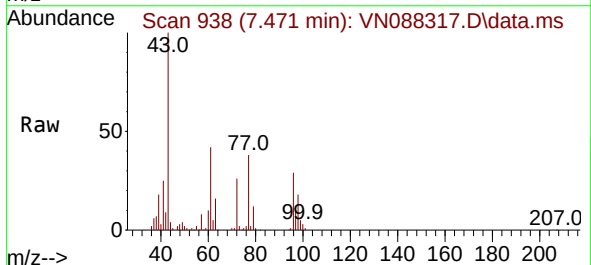
Manual Integrations
APPROVED

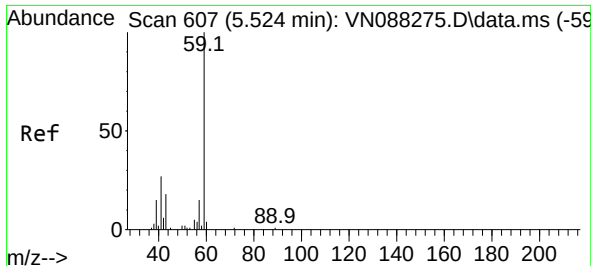
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#22
cis-1,2-Dichloroethene
Concen: 16.836 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

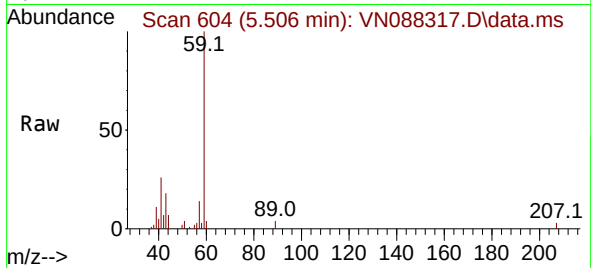
Tgt Ion: 96 Resp: 62526
Ion Ratio Lower Upper
96 100
61 154.8 131.2 196.8
98 62.1 51.0 76.4





#23
tert-Butyl Alcohol
Concen: 66.601 ug/l m
RT: 5.506 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

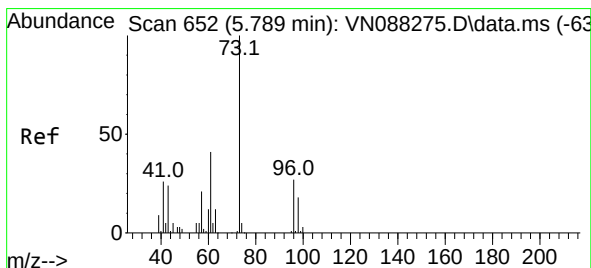
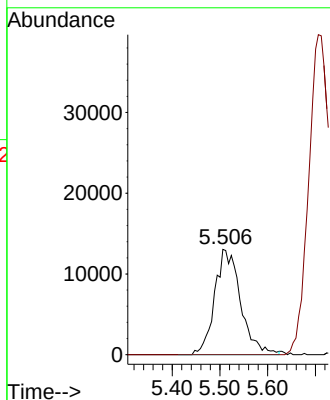
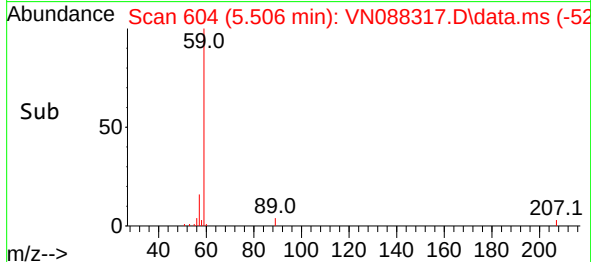
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 59 Resp: 49262
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

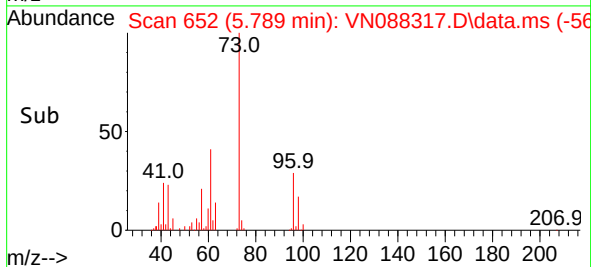
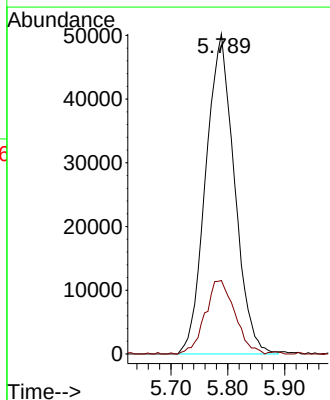
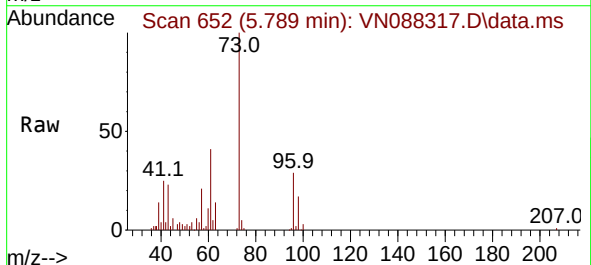
Manual Integrations
APPROVED

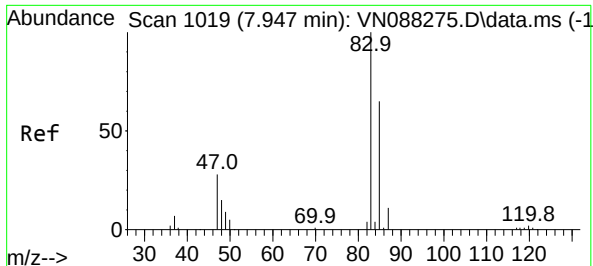
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#24
Methyl tert-Butyl Ether
Concen: 15.918 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Tgt Ion: 73 Resp: 176110
Ion Ratio Lower Upper
73 100
43 23.7 18.5 27.7





#25

Chloroform

Concen: 17.168 ug/l

RT: 7.953 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VN088317.D

Acq: 20 Nov 2025 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 10920

Ion Ratio Lower Upper

83 100

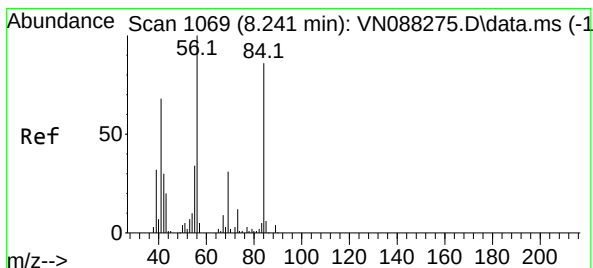
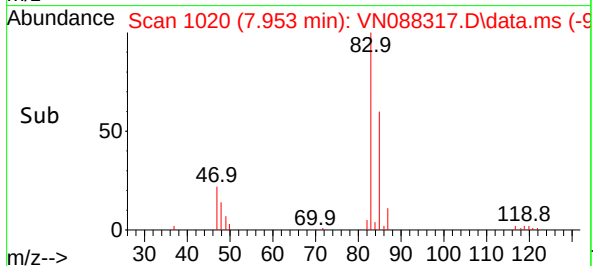
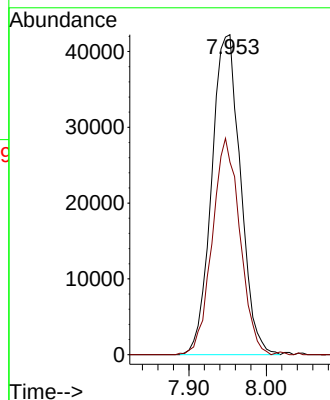
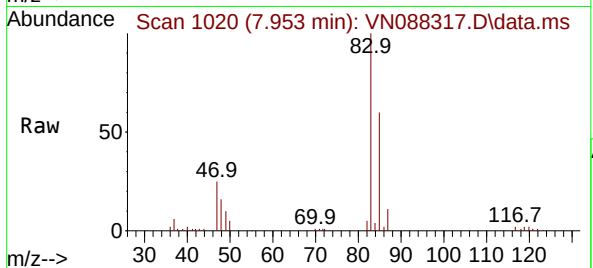
85 59.7 52.2 78.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/21/2025

Supervised By :Semsettin Yesilyurt 11/21/2025



#26

Cyclohexane

Concen: 14.776 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VN088317.D

Acq: 20 Nov 2025 09:13

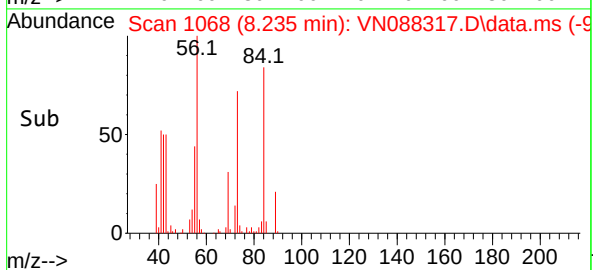
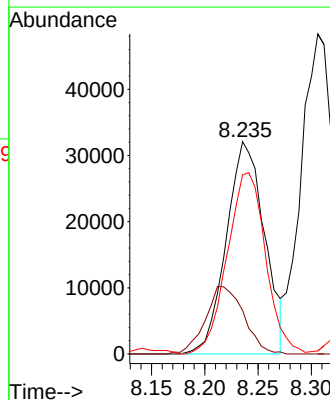
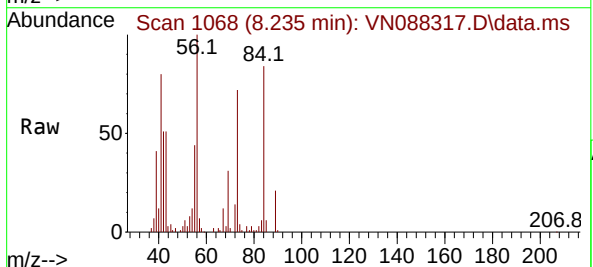
Tgt Ion: 56 Resp: 80122

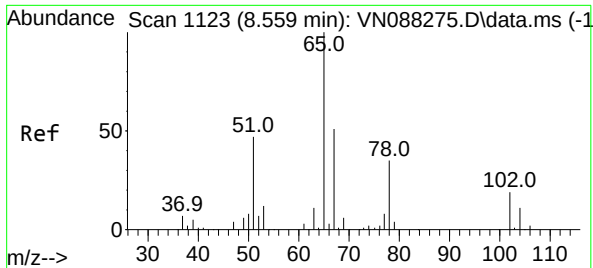
Ion Ratio Lower Upper

56 100

89 31.9 7.3 10.9#

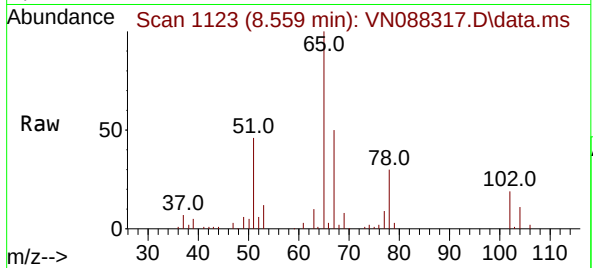
84 85.9 67.8 101.8





#27
1,2-Dichloroethane-d4
Concen: 28.326 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

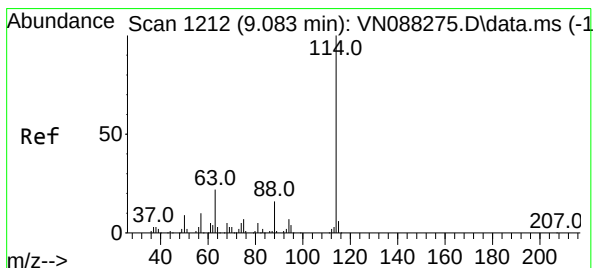
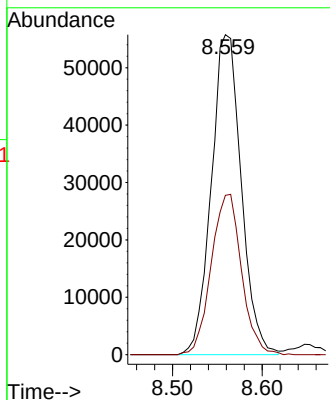
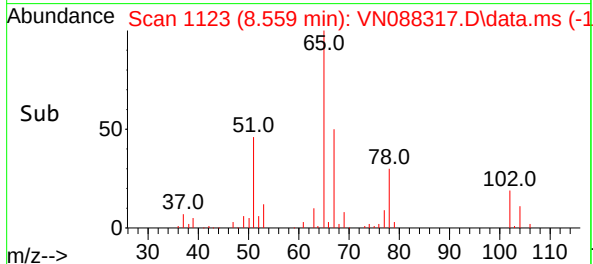
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



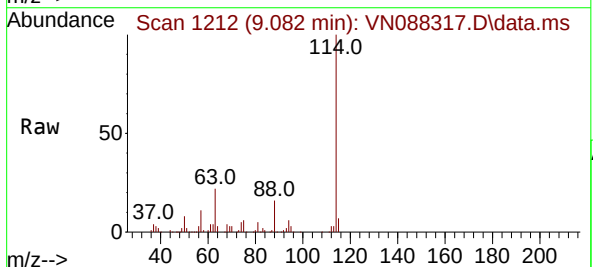
Tgt Ion: 65 Resp: 129115
Ion Ratio Lower Upper
65 100
67 50.6 40.2 60.2

Manual Integrations
APPROVED

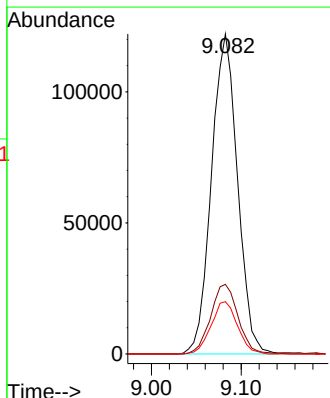
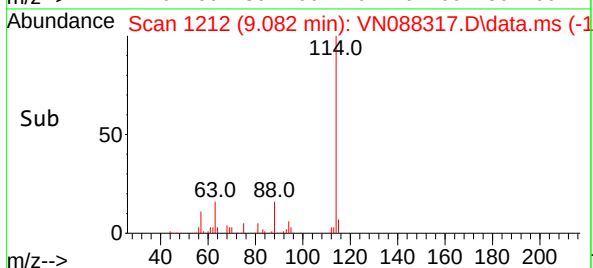
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025

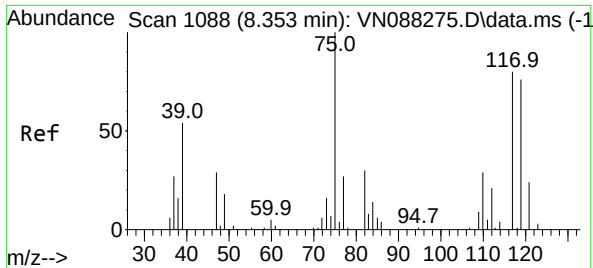


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13



Tgt Ion:114 Resp: 246084
Ion Ratio Lower Upper
114 100
63 22.9 18.9 28.3
88 16.5 12.8 19.2





#29
1,1-Dichloropropene
Concen: 17.061 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

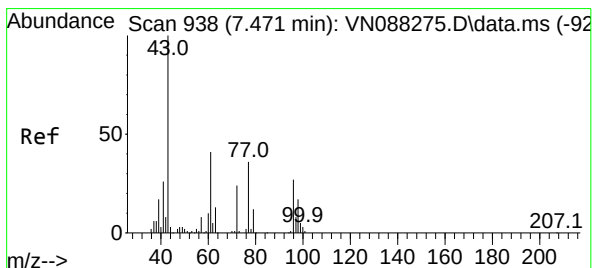
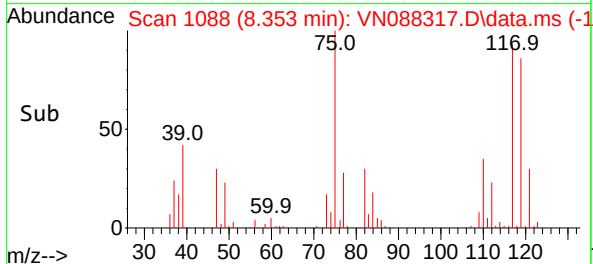
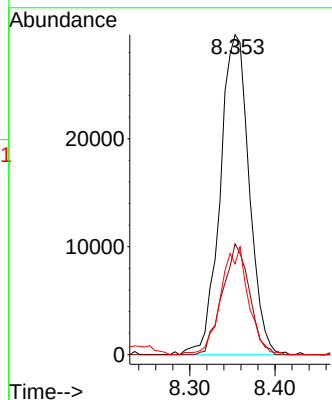
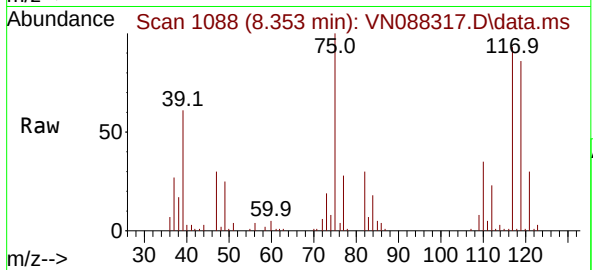
Tgt Ion: 75 Resp: 7005
Ion Ratio Lower Upper
75 100
110 32.4 0.0 65.6
77 31.8 0.0 60.8

Manual Integrations

APPROVED

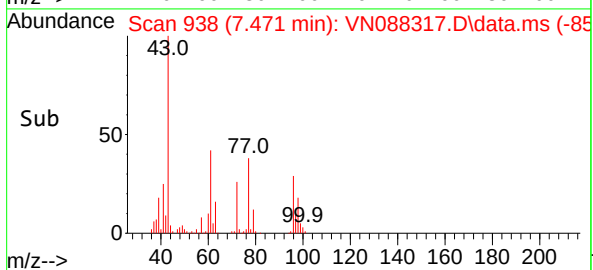
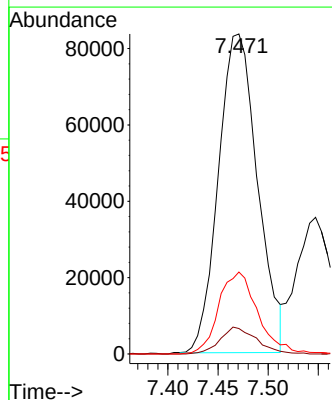
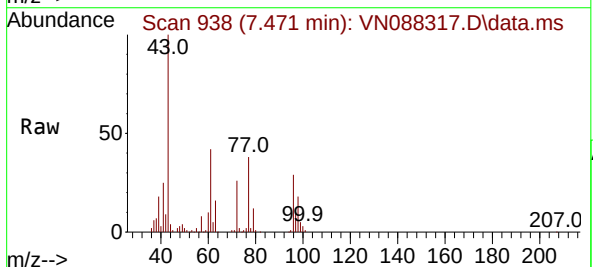
Reviewed By :John Carlone 11/21/2025

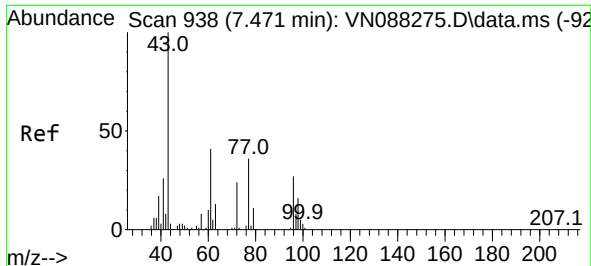
Supervised By :Semsettin Yesilyurt 11/21/2025



#30
2-Butanone
Concen: 85.398 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

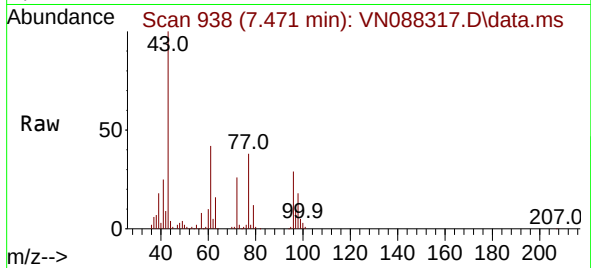
Tgt Ion: 43 Resp: 226819
Ion Ratio Lower Upper
43 100
57 7.8 6.2 9.4
72 25.6 19.4 29.2





#31
2,2-Dichloropropane
Concen: 17.988 ug/l
RT: 7.471 min Scan# 910
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

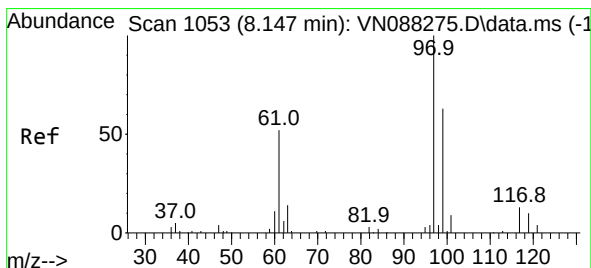
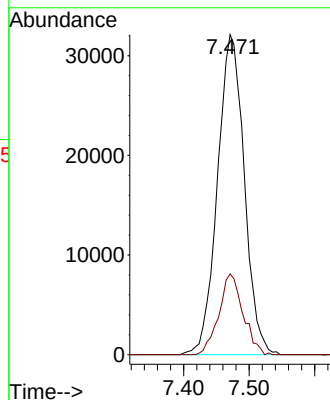
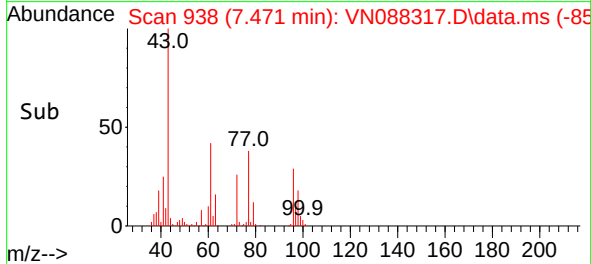
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



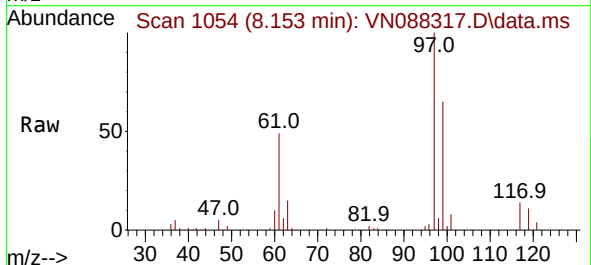
Tgt Ion: 77 Resp: 91099
Ion Ratio Lower Upper
77 100
97 22.7 16.8 25.2

Manual Integrations
APPROVED

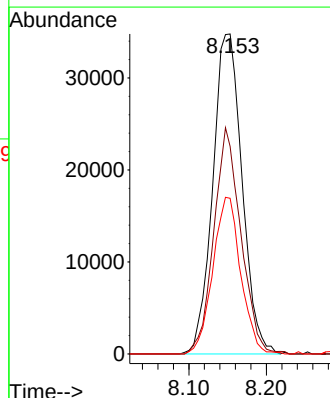
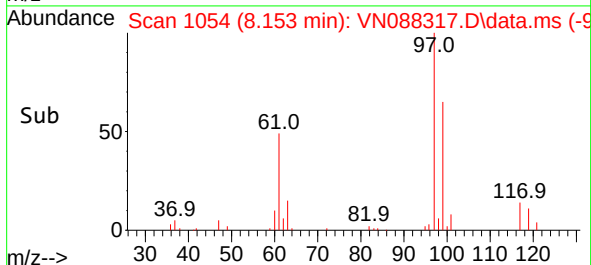
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025

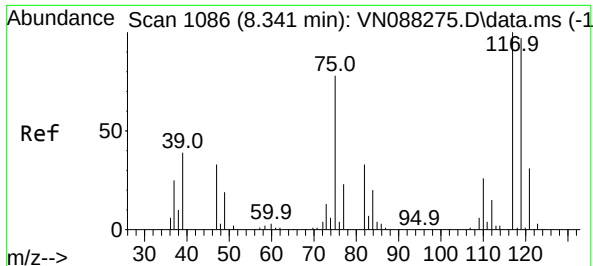


#32
1,1,1-Trichloroethane
Concen: 18.087 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13



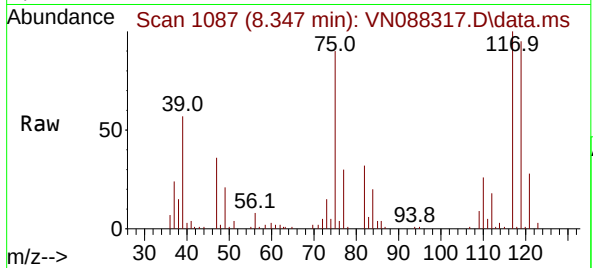
Tgt Ion: 97 Resp: 91550
Ion Ratio Lower Upper
97 100
99 65.1 50.2 75.4
61 46.7 39.8 59.8





#33
Carbon Tetrachloride
Concen: 17.721 ug/l
RT: 8.347 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

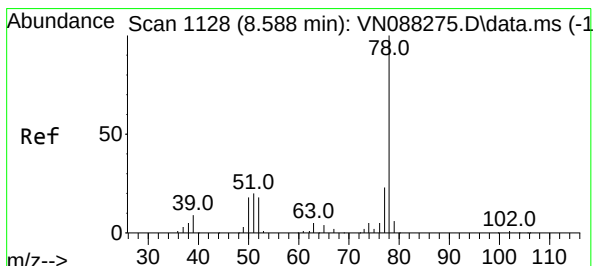
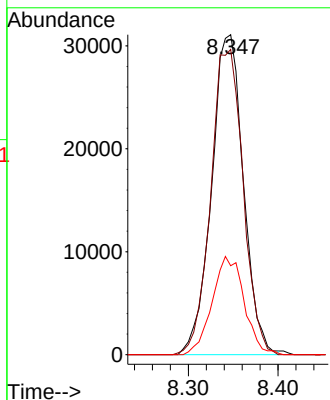
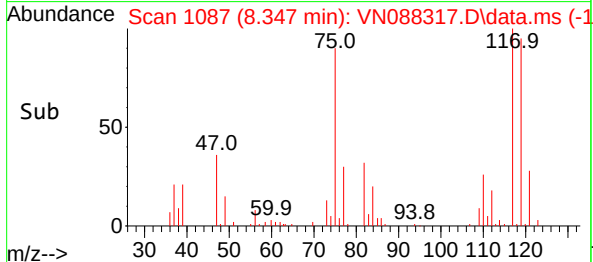
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



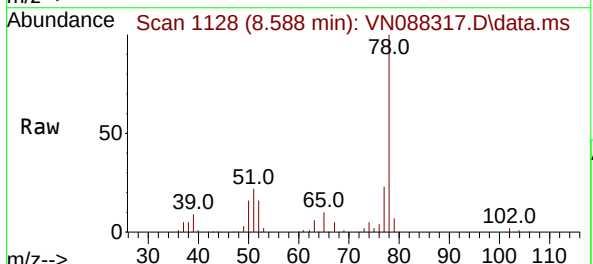
Tgt Ion:117 Resp: 76597
Ion Ratio Lower Upper
117 100
119 95.4 77.8 116.8
121 27.8 24.5 36.7

Manual Integrations
APPROVED

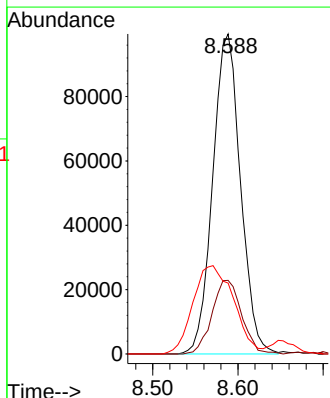
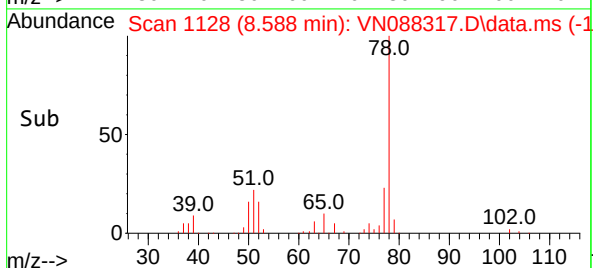
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025

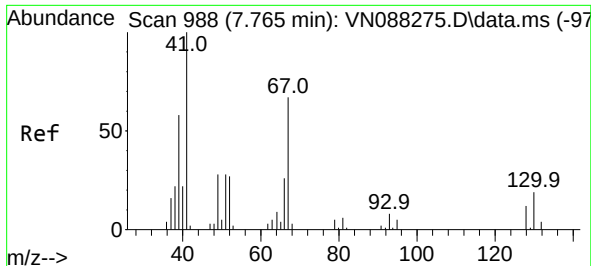


#34
Benzene
Concen: 18.375 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13



Tgt Ion: 78 Resp: 225525
Ion Ratio Lower Upper
78 100
77 23.0 18.6 27.8
51 19.3 15.8 23.8





#35
Methacrylonitrile
Concen: 18.459 ug/l
RT: 7.759 min Scan# 987
Delta R.T. -0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Instrument :

MSVOA_N

ClientSampleId :

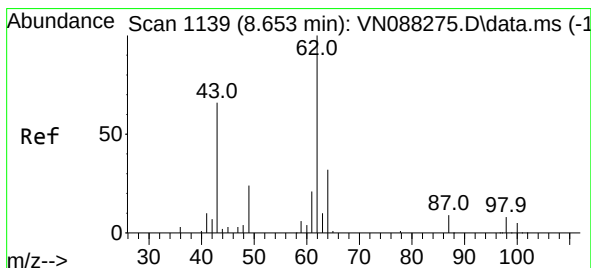
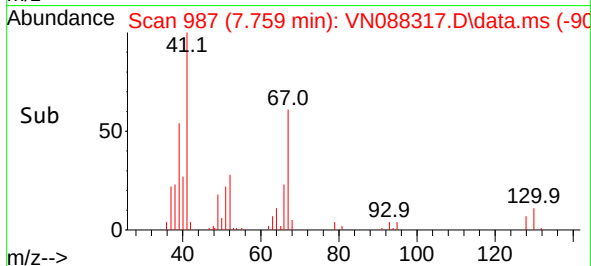
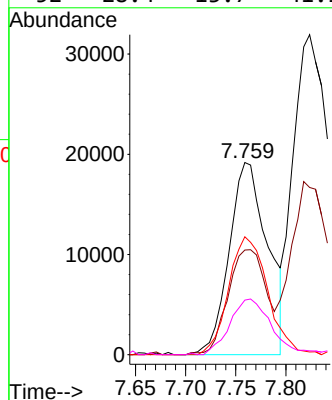
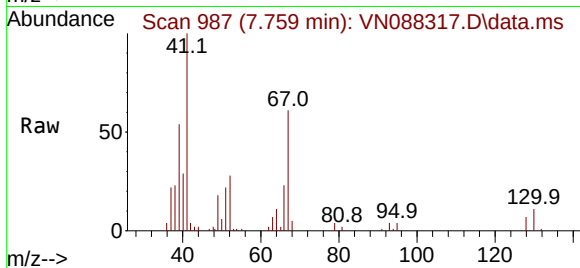
VSTDCCC020

Tgt Ion: 41 Resp: 51139
Ion Ratio Lower Upper
41 100
39 54.5 29.0 87.0
67 61.4 33.3 99.9
52 28.4 13.7 41.1

Manual Integrations

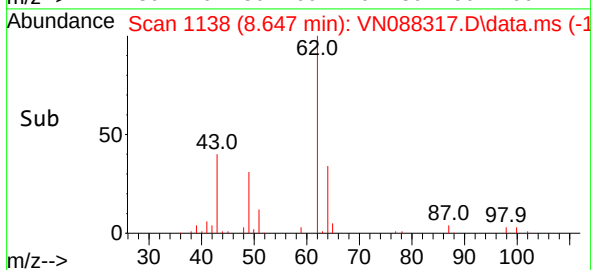
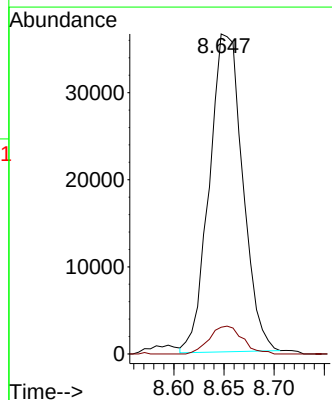
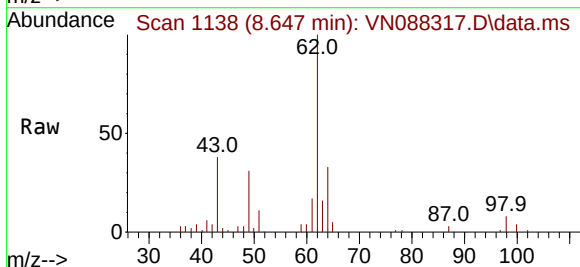
APPROVED

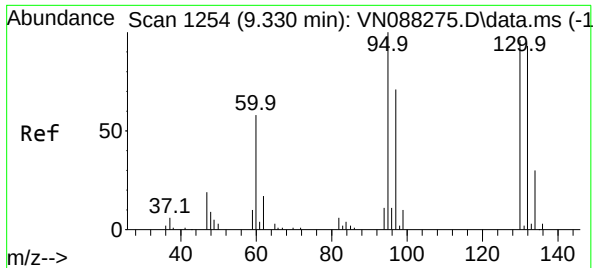
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#36
1,2-Dichloroethane
Concen: 17.681 ug/l
RT: 8.647 min Scan# 1138
Delta R.T. -0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Tgt Ion: 62 Resp: 84451
Ion Ratio Lower Upper
62 100
98 8.7 6.8 10.2





#37

Trichloroethene

Concen: 18.222 ug/l

RT: 9.335 min Scan# 1254

Delta R.T. 0.006 min

Lab File: VN088317.D

Acq: 20 Nov 2025 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:130 Resp: 50680

Ion Ratio Lower Upper

130 100

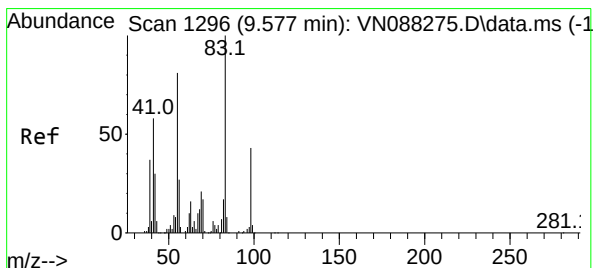
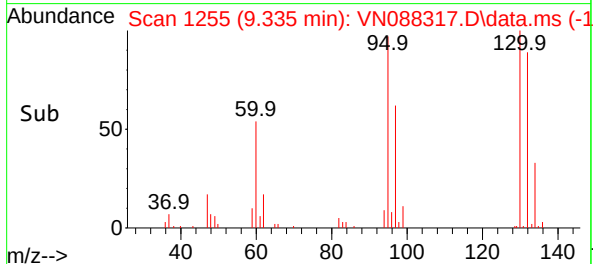
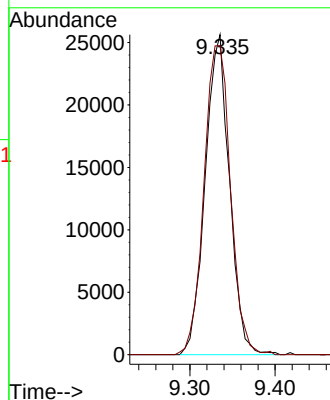
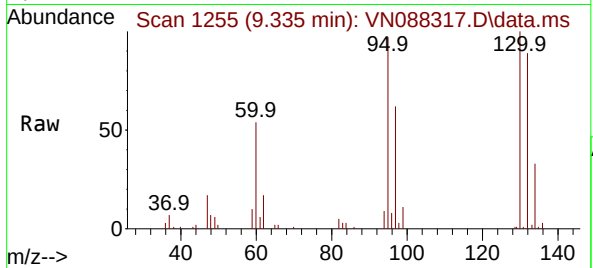
95 96.6 83.7 125.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/21/2025

Supervised By :Semsettin Yesilyurt 11/21/2025



#38

Methylcyclohexane

Concen: 15.079 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. 0.006 min

Lab File: VN088317.D

Acq: 20 Nov 2025 09:13

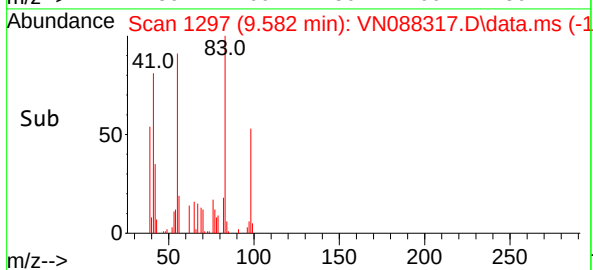
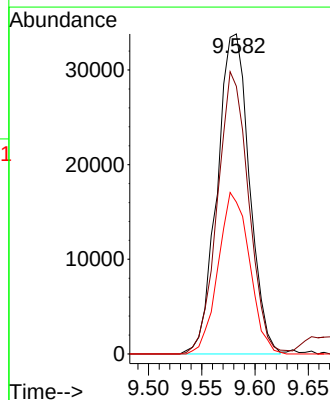
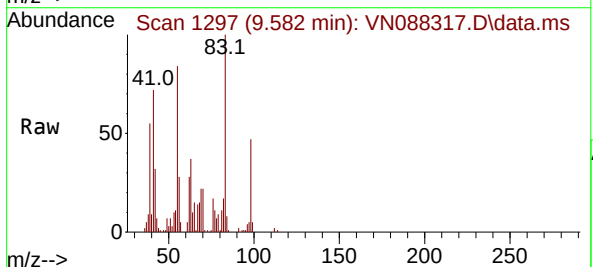
Tgt Ion: 83 Resp: 70984

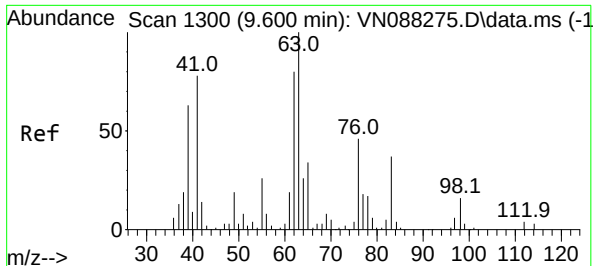
Ion Ratio Lower Upper

83 100

55 85.7 40.8 122.5

98 49.2 23.4 70.3





#39

1,2-Dichloropropane

Concen: 18.596 ug/l

RT: 9.600 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088317.D

Acq: 20 Nov 2025 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 5888

Ion Ratio Lower Upper

63 100

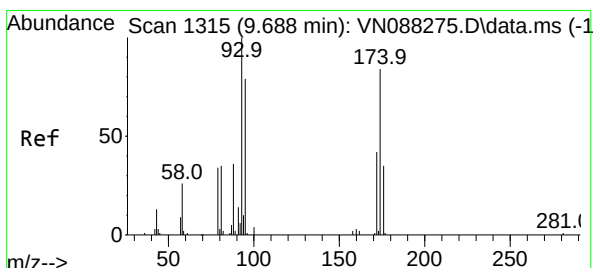
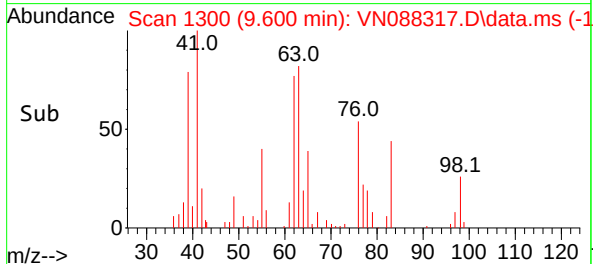
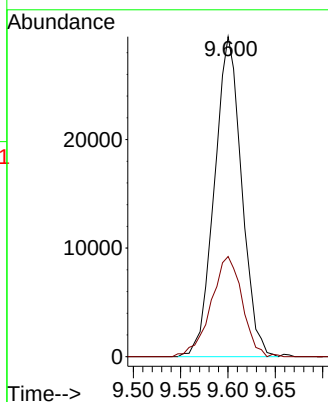
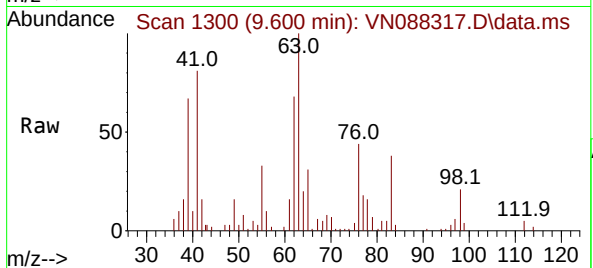
65 30.8 27.8 41.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/21/2025

Supervised By :Semsettin Yesilyurt 11/21/2025



#40

Dibromomethane

Concen: 18.680 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN088317.D

Acq: 20 Nov 2025 09:13

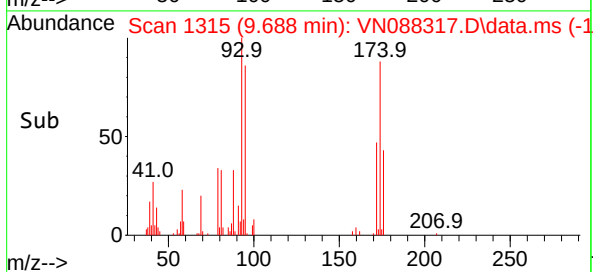
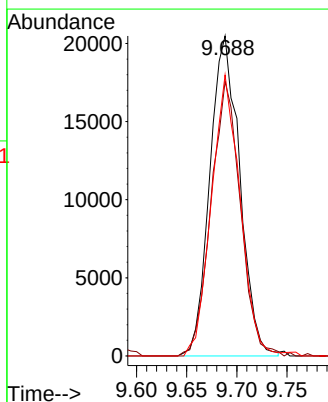
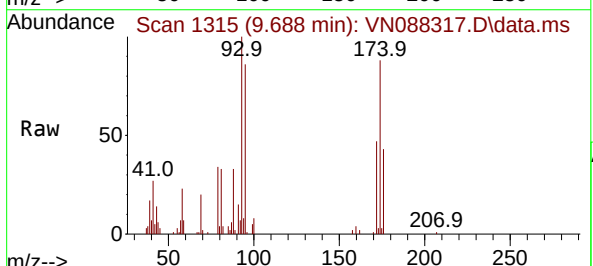
Tgt Ion: 93 Resp: 42498

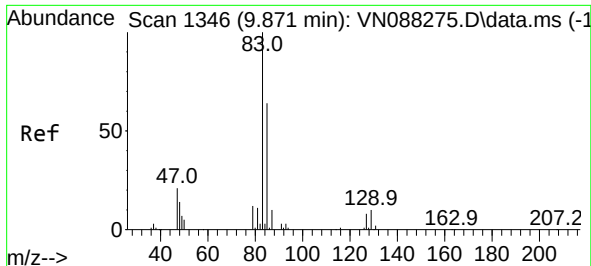
Ion Ratio Lower Upper

93 100

95 84.1 0.0 161.6

174 84.4 0.0 158.2





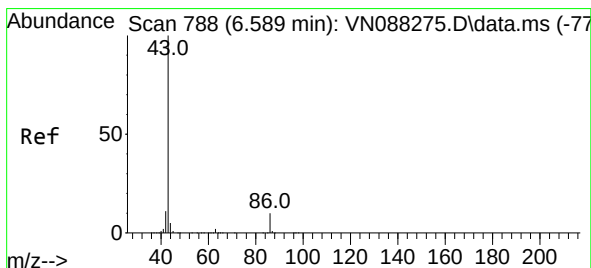
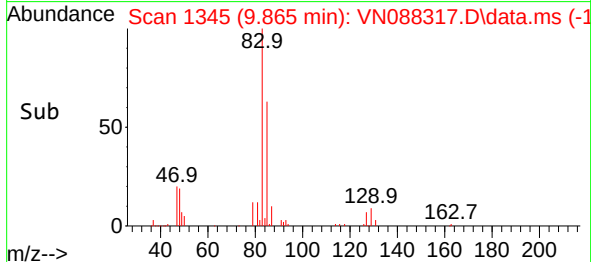
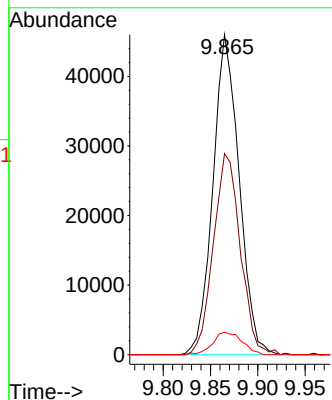
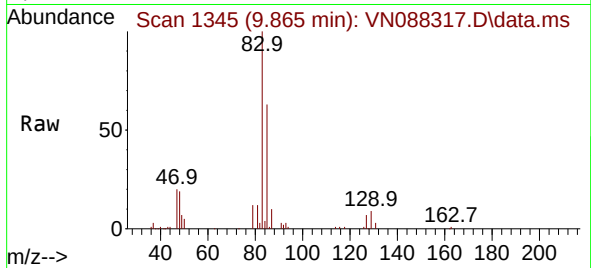
#41
Bromodichloromethane
Concen: 19.332 ug/l
RT: 9.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 88539
Ion Ratio Lower Upper
83 100
85 62.8 51.4 77.2
127 7.1 6.4 9.6

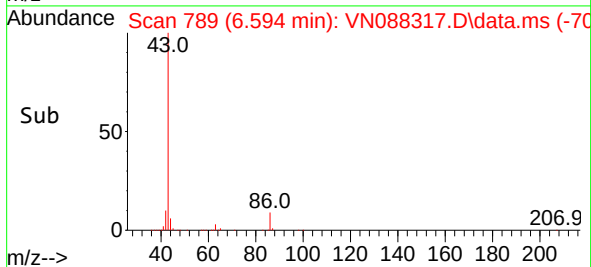
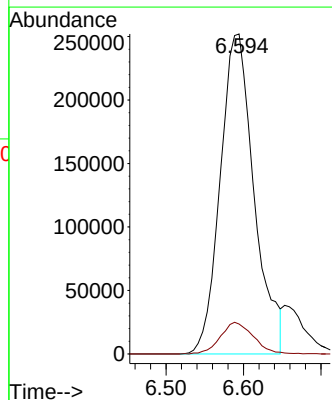
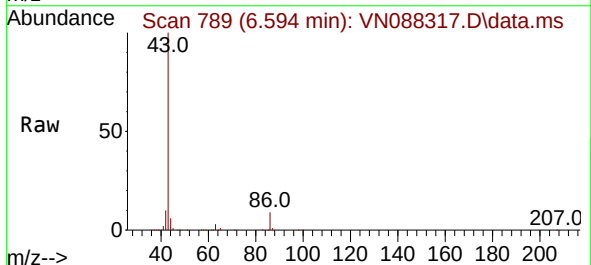
Manual Integrations
APPROVED

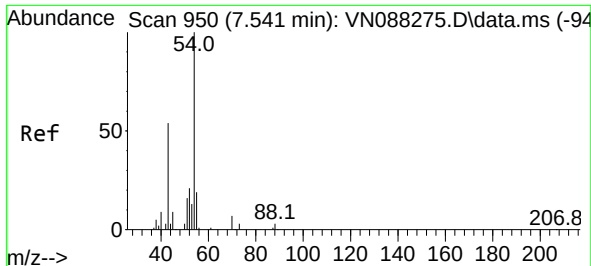
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#42
Vinyl Acetate
Concen: 86.666 ug/l
RT: 6.594 min Scan# 789
Delta R.T. 0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

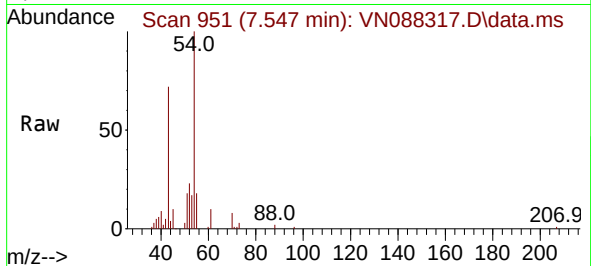
Tgt Ion: 43 Resp: 768278
Ion Ratio Lower Upper
43 100
86 9.6 7.4 11.2





#43
Ethyl Acetate
Concen: 17.731 ug/l m
RT: 7.547 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

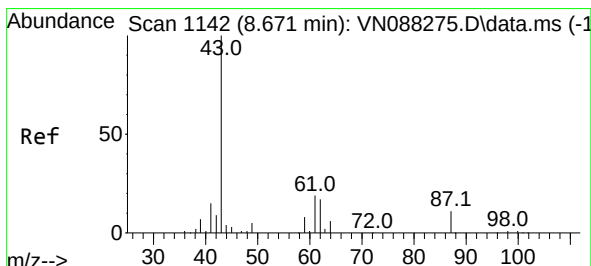
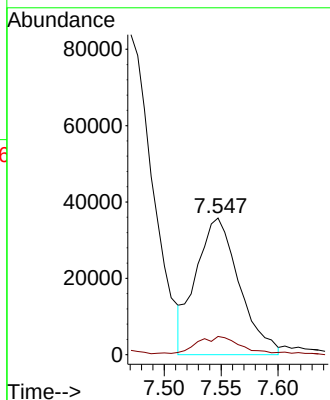
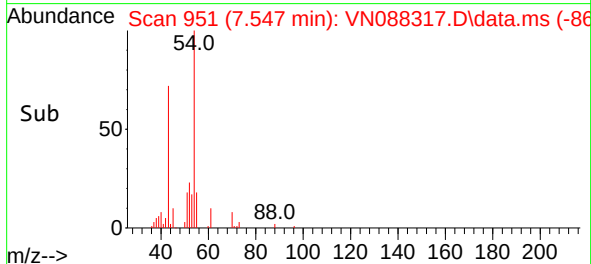
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 94750
Ion Ratio Lower Upper
43 100
45 0.1 9.9 14.9

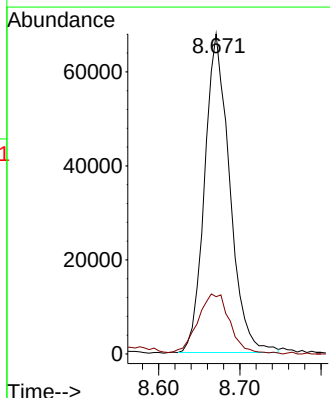
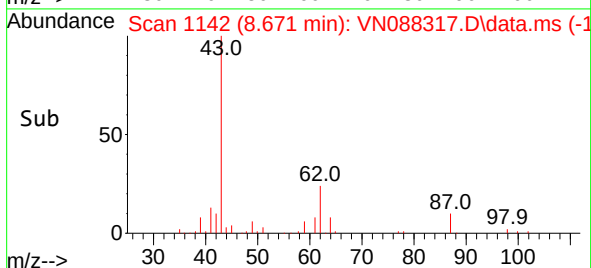
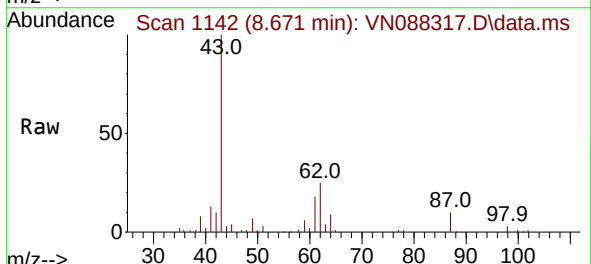
Manual Integrations
APPROVED

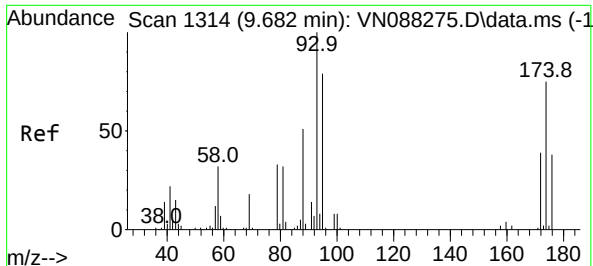
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#44
Isopropyl Acetate
Concen: 17.661 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

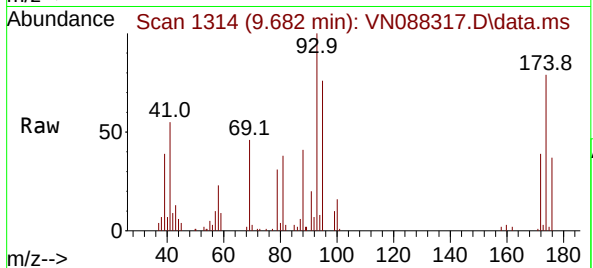
Tgt Ion: 43 Resp: 145451
Ion Ratio Lower Upper
43 100
61 23.5 19.0 28.6





#45
1,4-Dioxane
Concen: 338.539 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

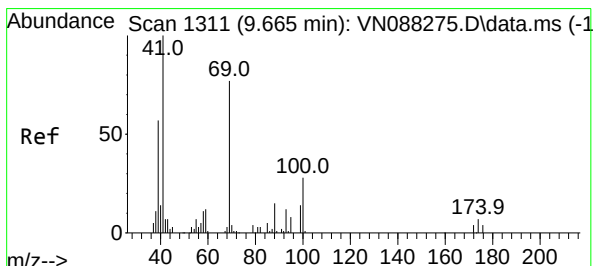
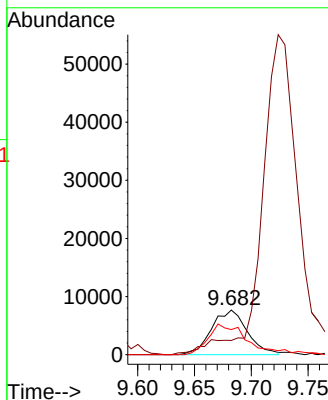
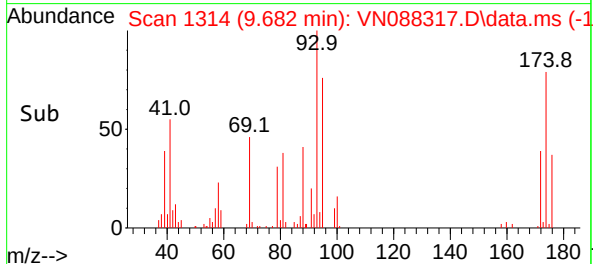
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 88 Resp: 16790
Ion Ratio Lower Upper
88 100
43 29.5 27.8 41.8
58 44.4 59.5 89.3

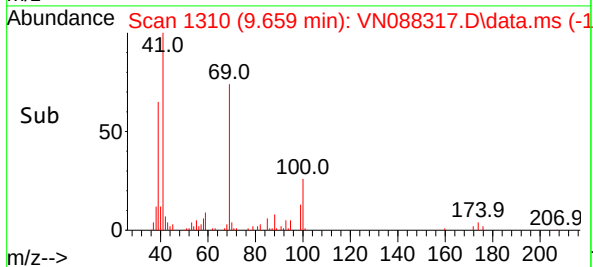
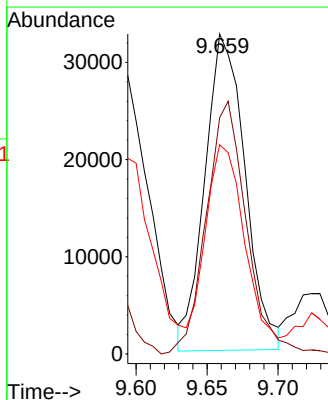
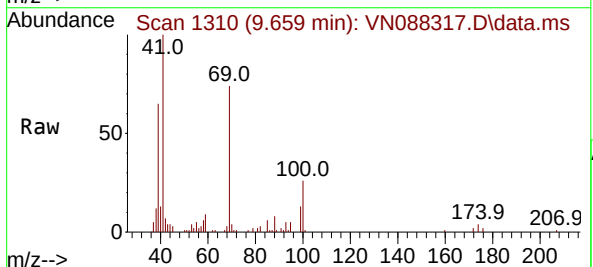
Manual Integrations
APPROVED

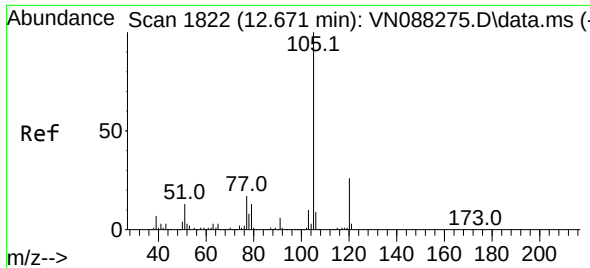
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#46
Methyl methacrylate
Concen: 16.634 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Tgt Ion: 41 Resp: 64106
Ion Ratio Lower Upper
41 100
69 76.7 38.5 115.3
39 65.9 29.0 87.1





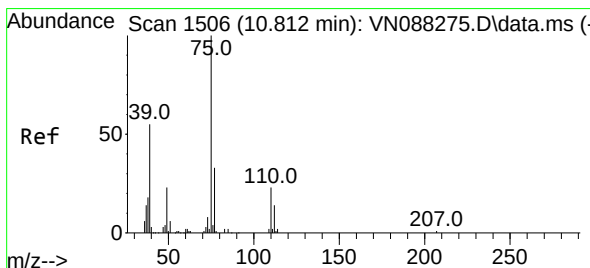
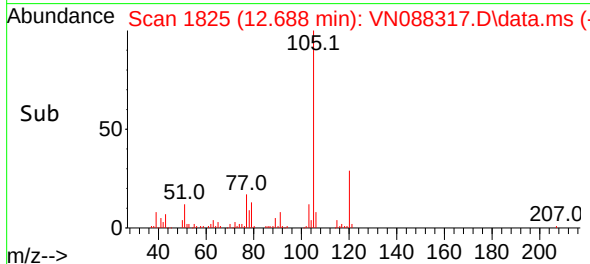
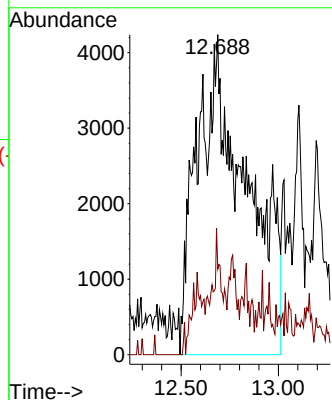
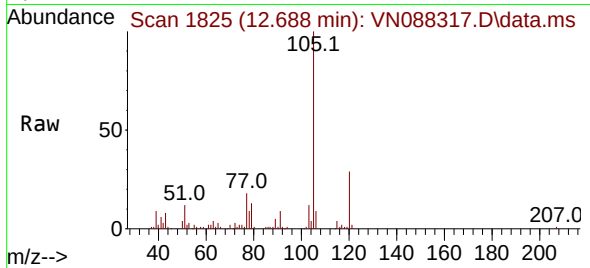
#47
n-amy1 Acetate
Concen: 17.586 ug/l m
RT: 12.688 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 7339
Ion Ratio Lower Upper
43 100
55 0.0 0.0 0.0

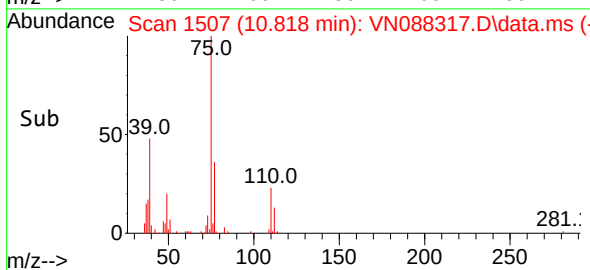
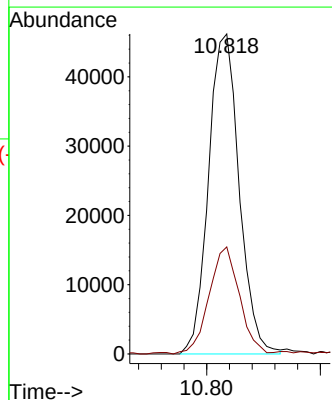
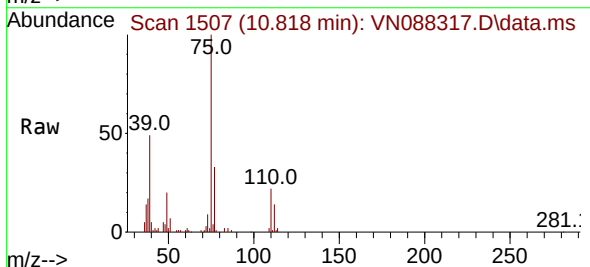
Manual Integrations
APPROVED

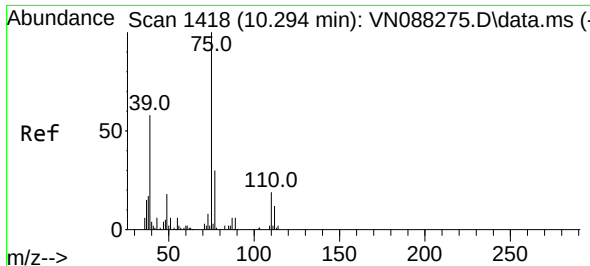
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#48
t-1,3-Dichloropropene
Concen: 17.687 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

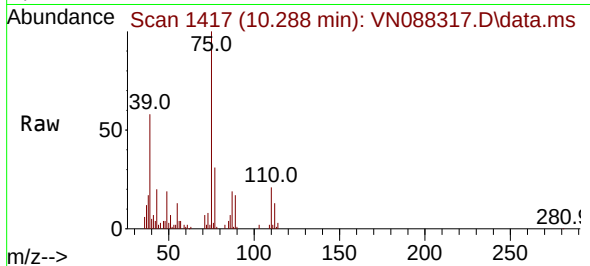
Tgt Ion: 75 Resp: 86639
Ion Ratio Lower Upper
75 100
77 32.7 26.1 39.1





#49
cis-1,3-Dichloropropene
Concen: 18.095 ug/l
RT: 10.288 min Scan# 1417
Delta R.T. -0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

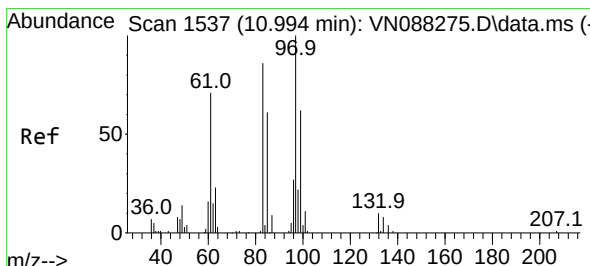
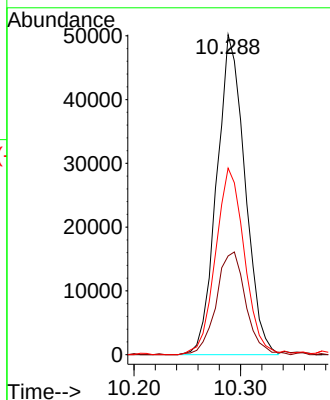
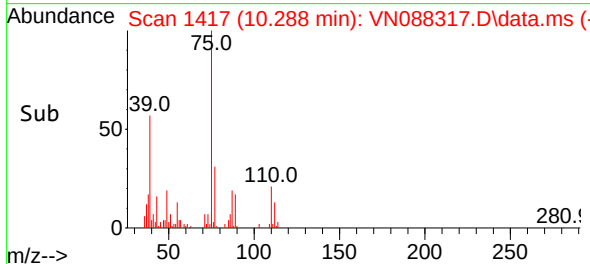
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 92225
Ion Ratio Lower Upper
75 100
77 30.9 24.4 36.6
39 58.3 46.1 69.1

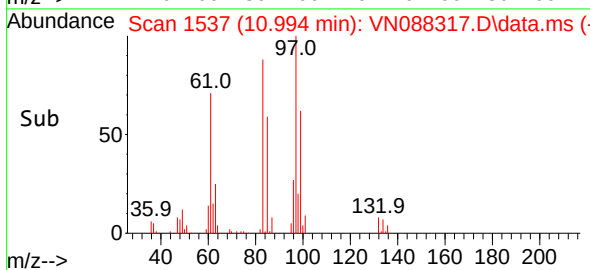
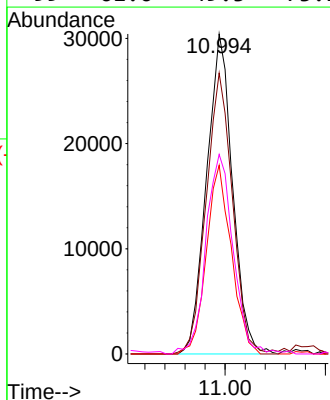
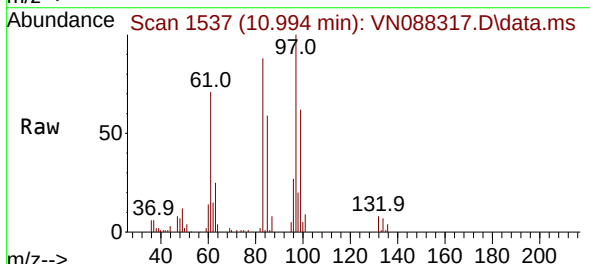
Manual Integrations
APPROVED

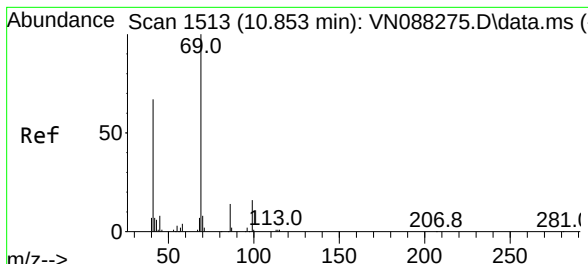
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#50
1,1,2-Trichloroethane
Concen: 19.447 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

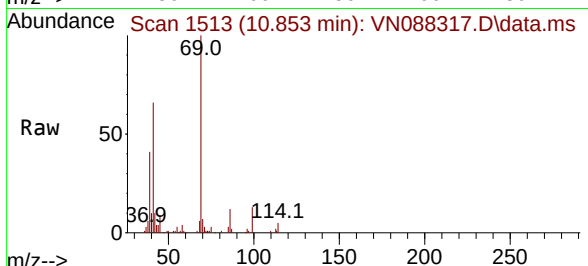
Tgt Ion: 97 Resp: 54708
Ion Ratio Lower Upper
97 100
83 87.3 68.6 102.8
85 58.9 49.0 73.6
99 61.6 49.3 73.9





#51
Ethyl methacrylate
Concen: 16.251 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

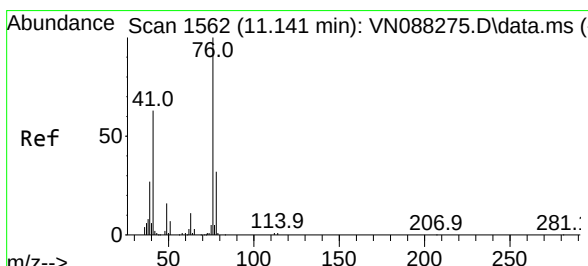
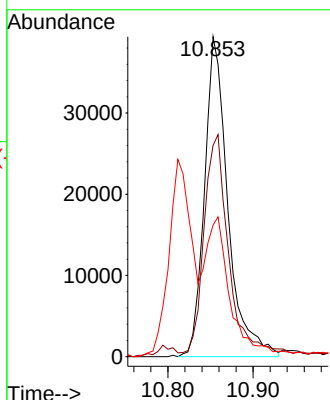
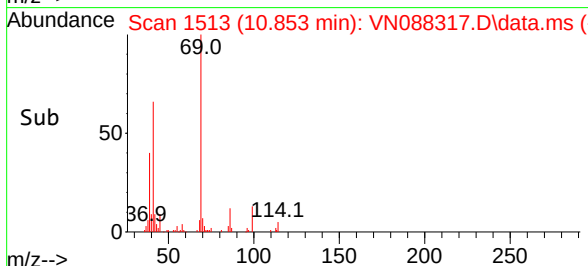
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



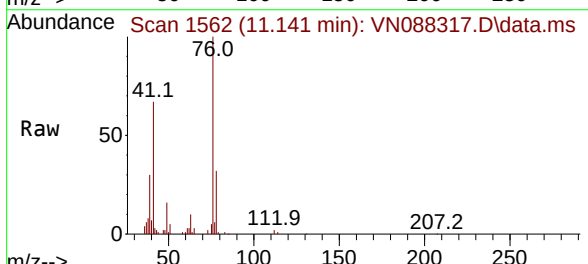
Tgt Ion: 69 Resp: 75210
Ion Ratio Lower Upper
69 100
41 64.8 33.6 100.8
39 39.4 23.4 70.2

Manual Integrations
APPROVED

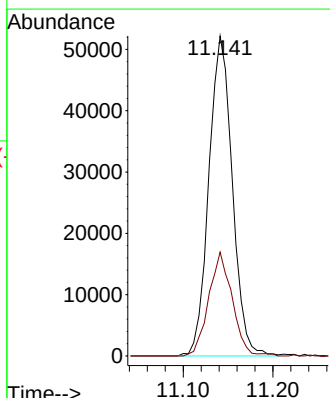
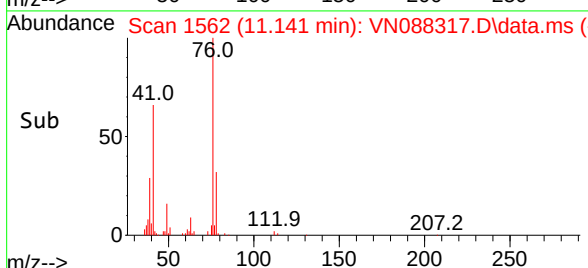
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025

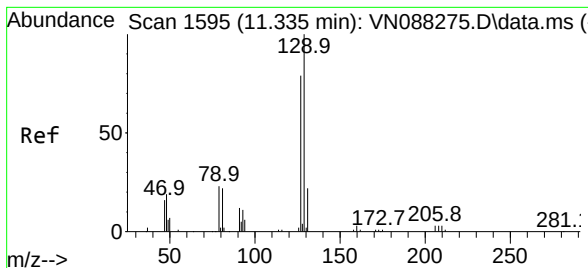


#52
1,3-Dichloropropane
Concen: 18.493 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13



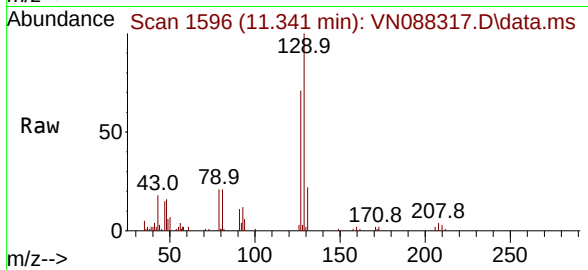
Tgt Ion: 76 Resp: 94744
Ion Ratio Lower Upper
76 100
78 32.3 0.0 64.2





#53
Dibromochloromethane
Concen: 19.380 ug/l
RT: 11.341 min Scan# 11341
Delta R.T. 0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

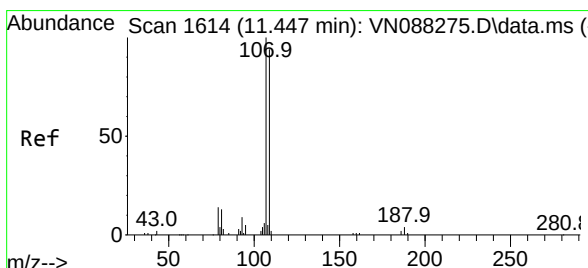
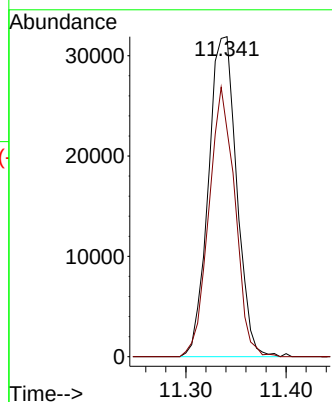
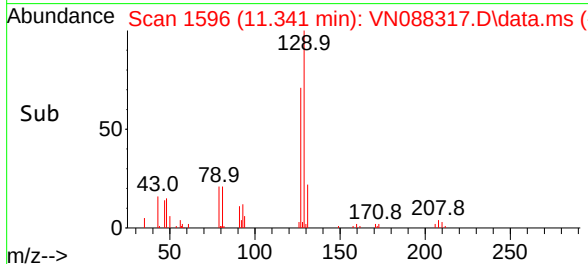
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:129 Resp: 6262
Ion Ratio Lower Upper
129 100
127 77.2 38.2 114.6

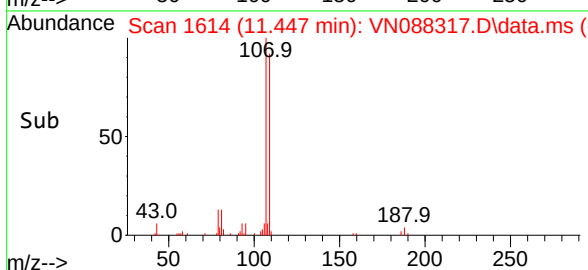
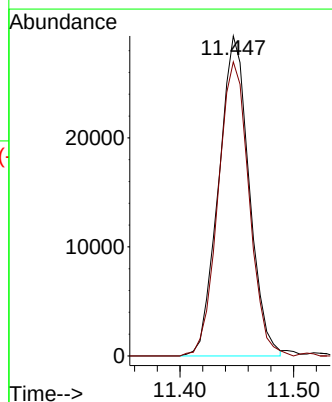
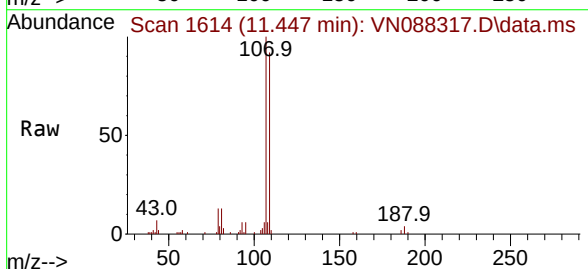
Manual Integrations
APPROVED

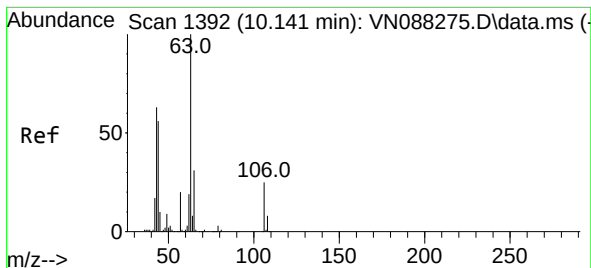
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#54
1,2-Dibromoethane
Concen: 18.729 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

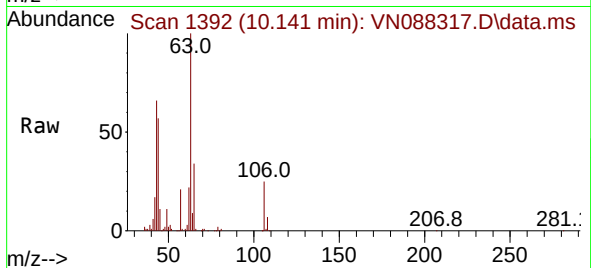
Tgt Ion:107 Resp: 54745
Ion Ratio Lower Upper
107 100
109 93.1 76.6 115.0





#55
2-Chloroethyl vinyl ether
Concen: 56.153 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

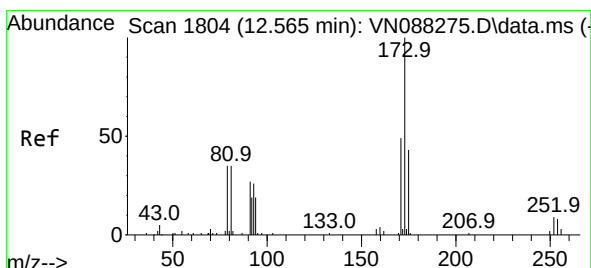
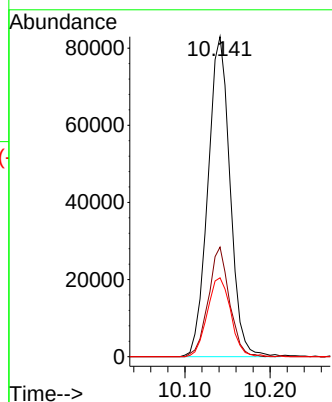
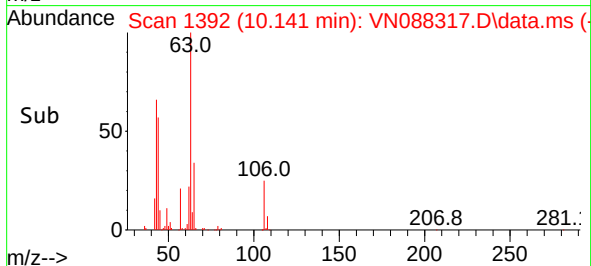
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 14971
Ion Ratio Lower Upper
63 100
65 32.7 24.9 37.3
106 26.0 20.3 30.5

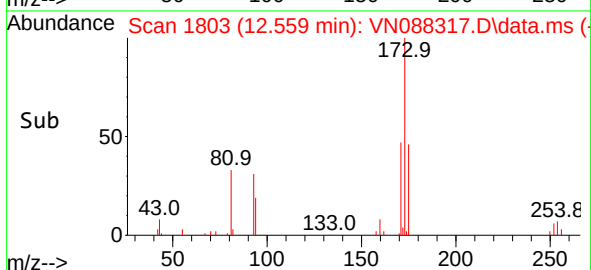
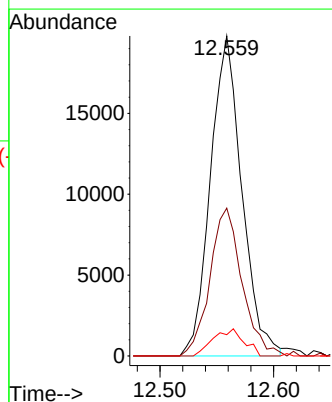
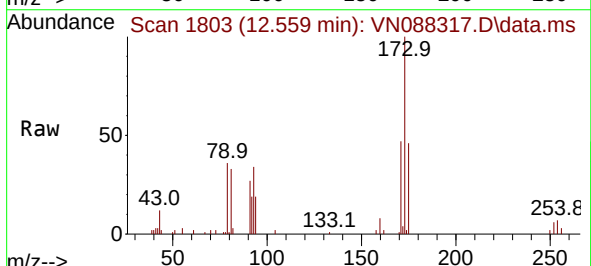
Manual Integrations
APPROVED

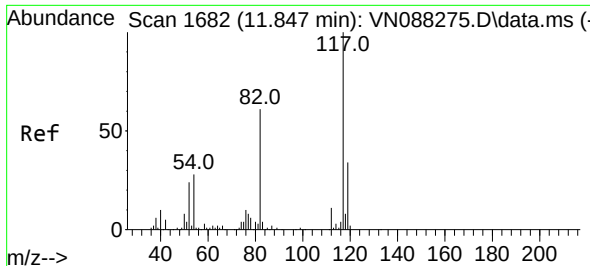
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#56
Bromoform
Concen: 18.593 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

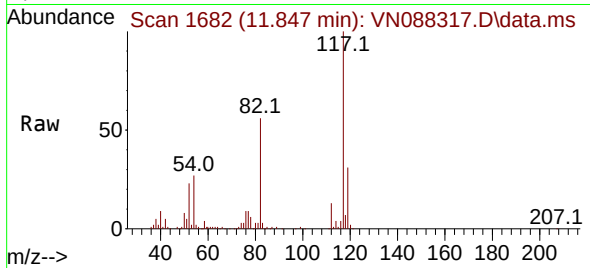
Tgt Ion:173 Resp: 38029
Ion Ratio Lower Upper
173 100
175 47.1 37.7 56.5
254 8.3 5.9 8.9





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

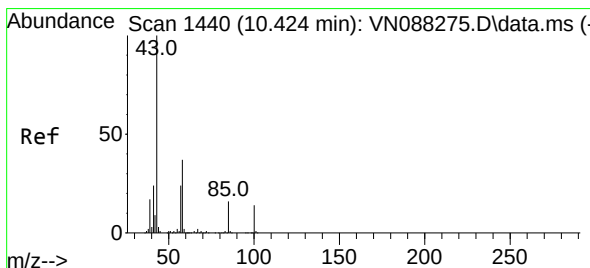
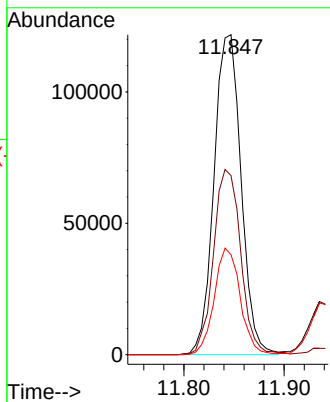
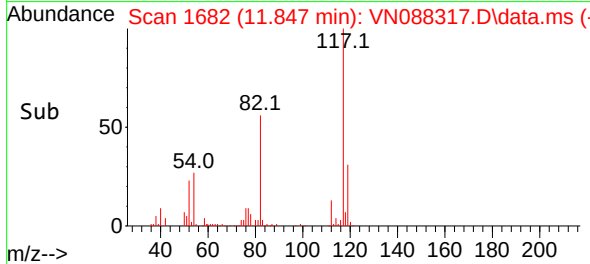
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:117 Resp: 22862
Ion Ratio Lower Upper
117 100
82 58.3 49.3 73.9
119 32.0 26.4 39.6

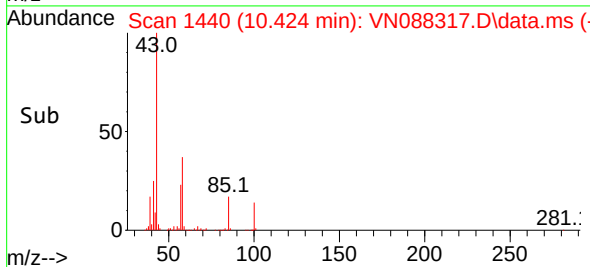
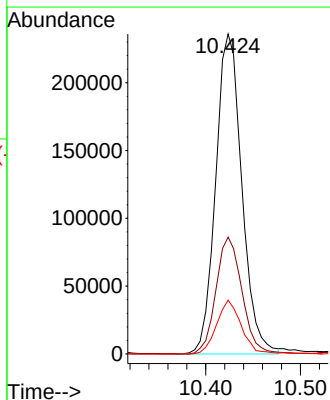
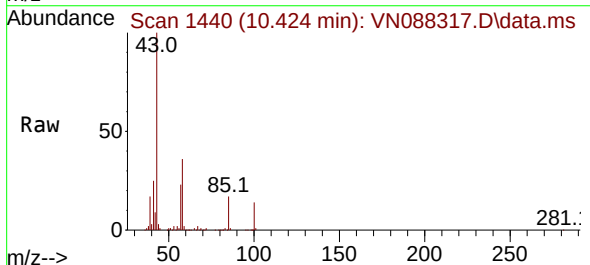
Manual Integrations
APPROVED

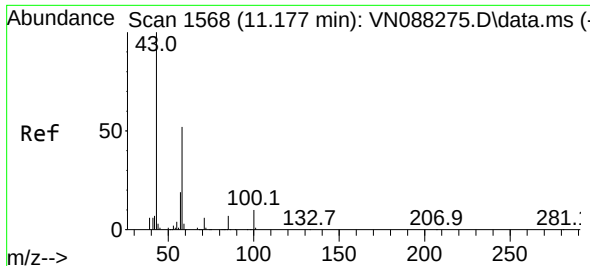
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#58
4-Methyl-2-Pentanone
Concen: 87.488 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

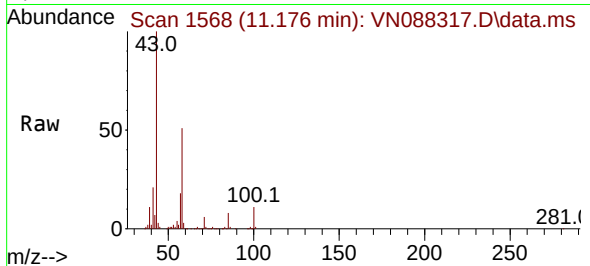
Tgt Ion: 43 Resp: 452392
Ion Ratio Lower Upper
43 100
58 36.5 29.2 43.8
85 15.5 12.6 19.0





#59
2-Hexanone
Concen: 87.577 ug/l
RT: 11.176 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

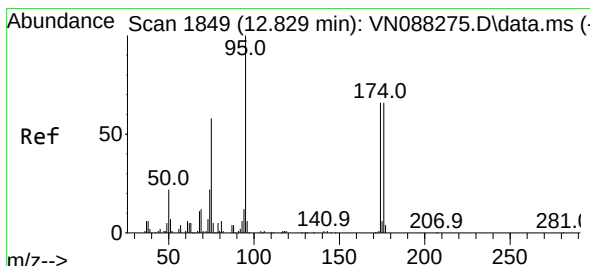
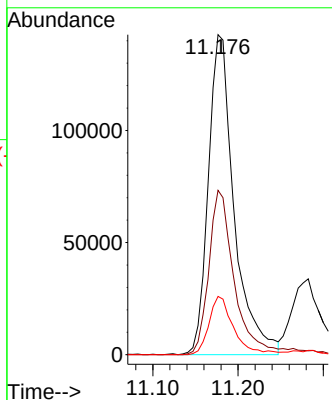
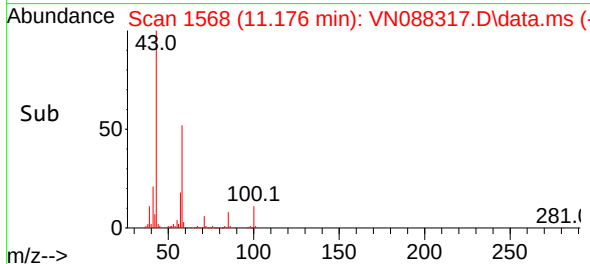
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 300700
Ion Ratio Lower Upper
43 100
58 50.5 41.0 61.4
57 16.9 14.4 21.6

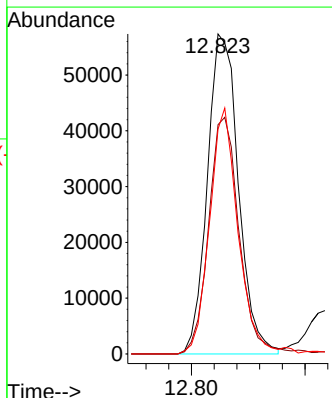
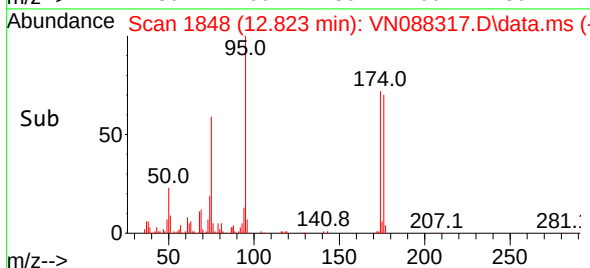
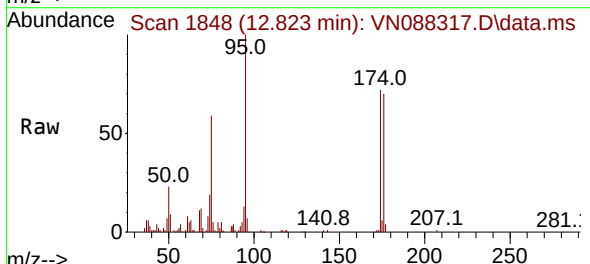
Manual Integrations
APPROVED

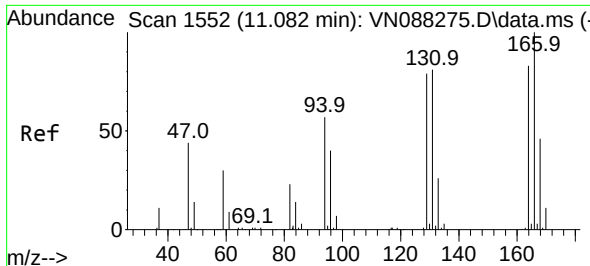
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#60
4-Bromofluorobenzene
Concen: 28.225 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

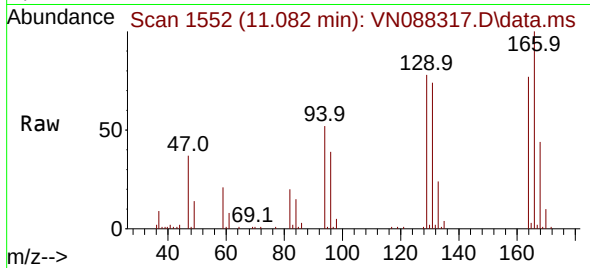
Tgt Ion: 95 Resp: 109083
Ion Ratio Lower Upper
95 100
174 72.4 54.5 81.7
176 70.0 53.8 80.6





#61
Tetrachloroethene
Concen: 18.351 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

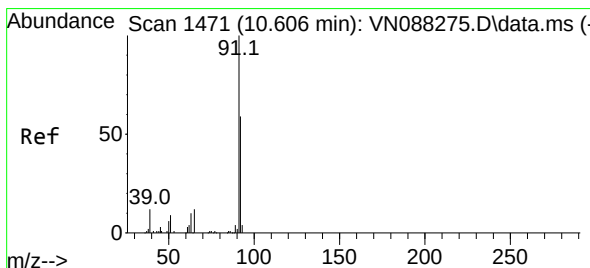
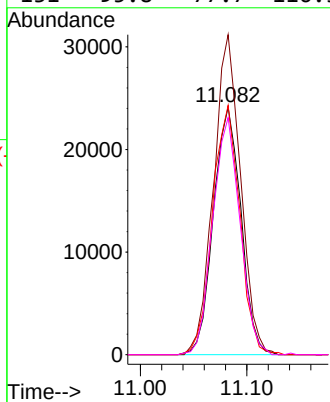
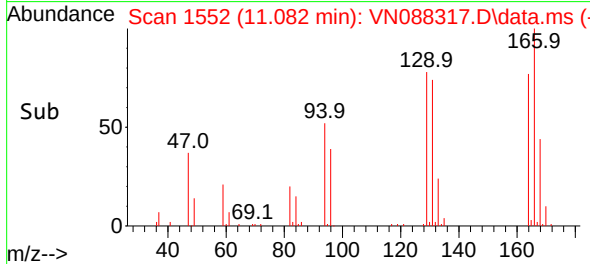
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



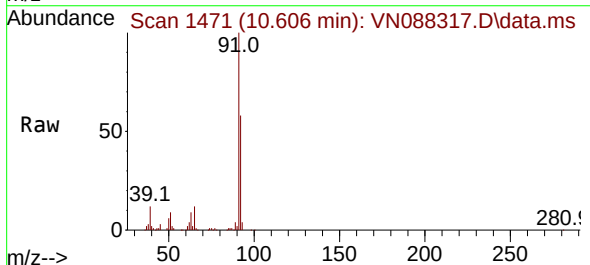
Tgt Ion:164 Resp: 43250
Ion Ratio Lower Upper
164 100
166 129.3 96.3 144.5
129 100.7 76.2 114.2
131 95.8 77.7 116.5

Manual Integrations
APPROVED

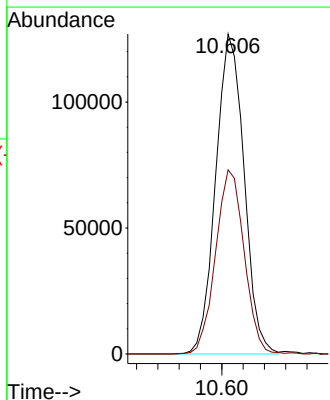
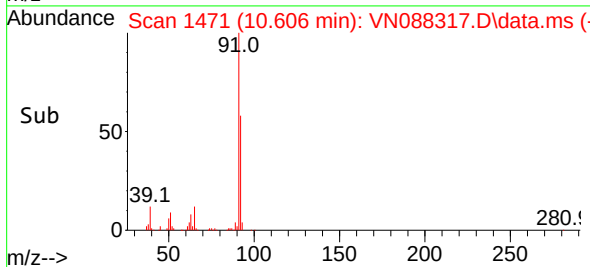
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025

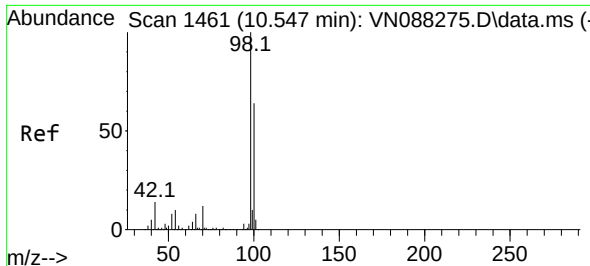


#62
Toluene
Concen: 17.856 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13



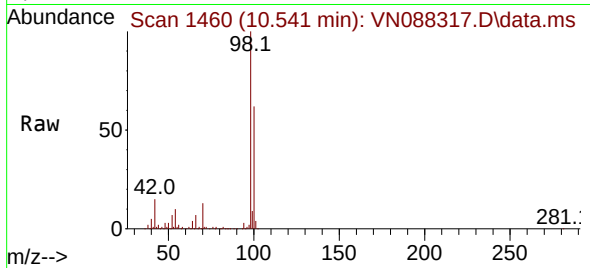
Tgt Ion: 91 Resp: 234271
Ion Ratio Lower Upper
91 100
92 58.0 46.7 70.1





#63
Toluene-d8
Concen: 30.120 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

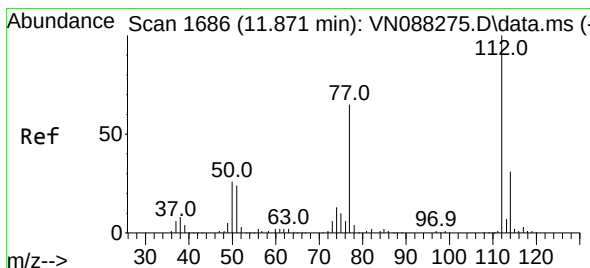
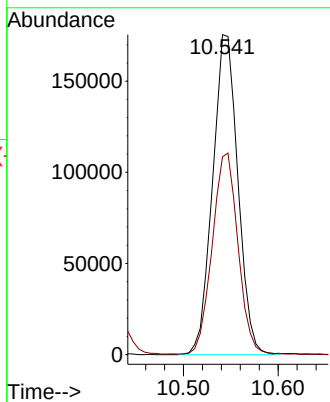
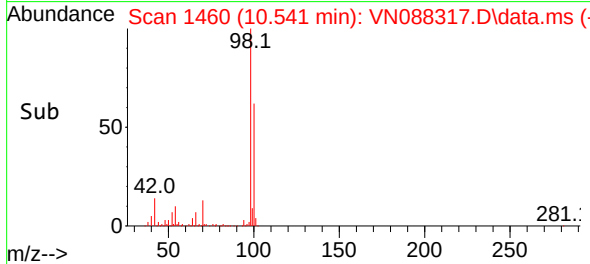
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



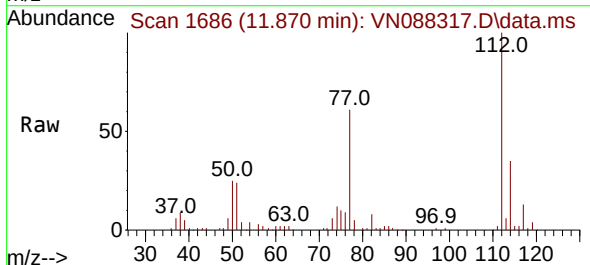
Tgt Ion: 98 Resp: 326012
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4

Manual Integrations
APPROVED

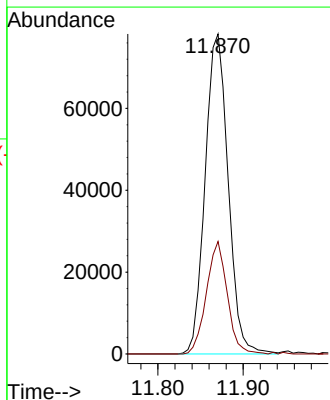
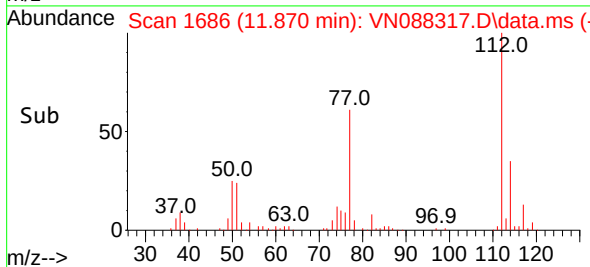
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025

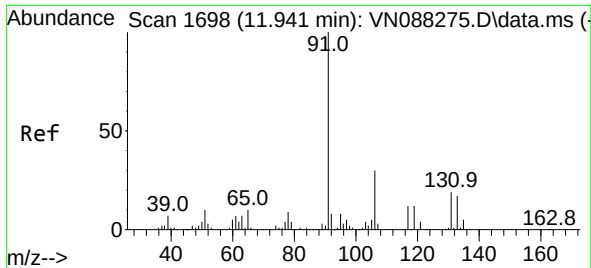


#64
Chlorobenzene
Concen: 18.063 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13



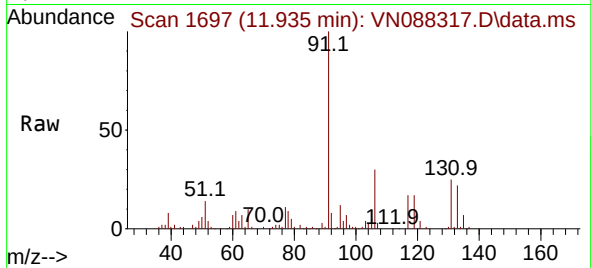
Tgt Ion:112 Resp: 146772
Ion Ratio Lower Upper
112 100
114 35.2 25.0 37.4





#65
1,1,1,2-Tetrachloroethane
Concen: 18.688 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

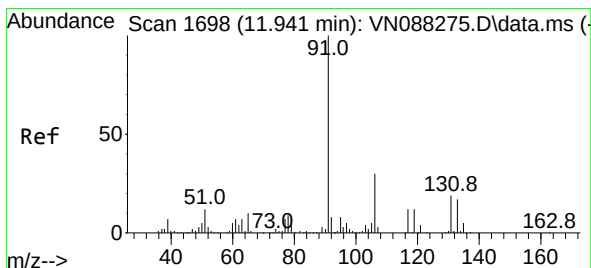
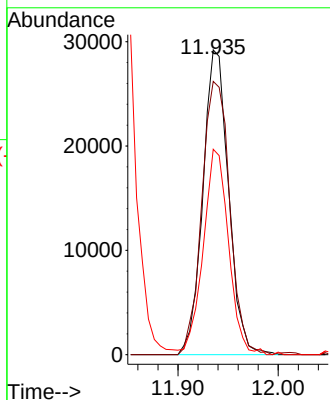
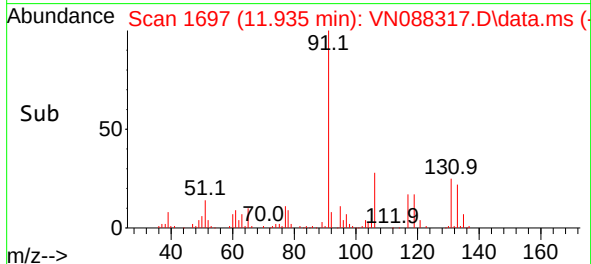
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



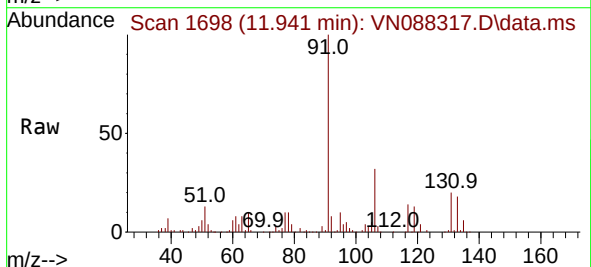
Tgt Ion:131 Resp: 51974
Ion Ratio Lower Upper
131 100
133 97.4 0.0 181.4
119 66.1 0.0 135.0

Manual Integrations
APPROVED

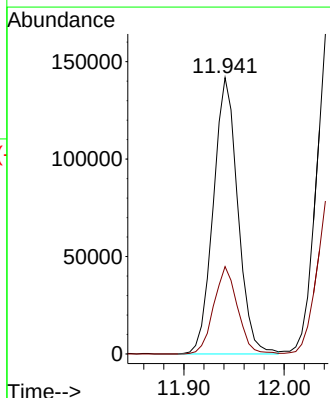
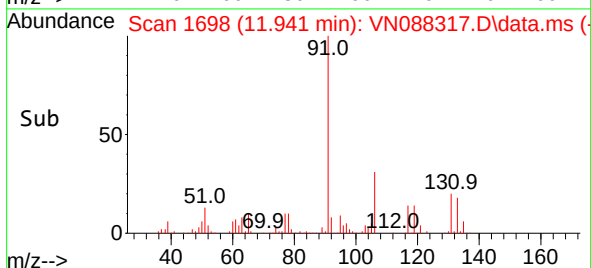
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025

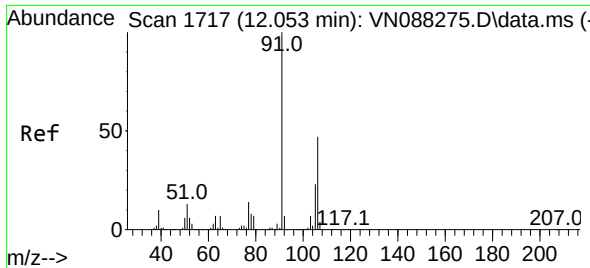


#66
Ethyl Benzene
Concen: 16.638 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13



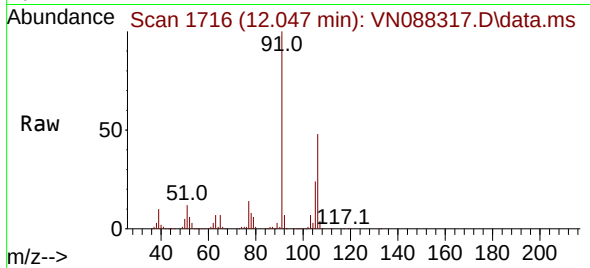
Tgt Ion: 91 Resp: 240580
Ion Ratio Lower Upper
91 100
106 31.6 24.4 36.6





#67
m/p-Xylenes
Concen: 34.631 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

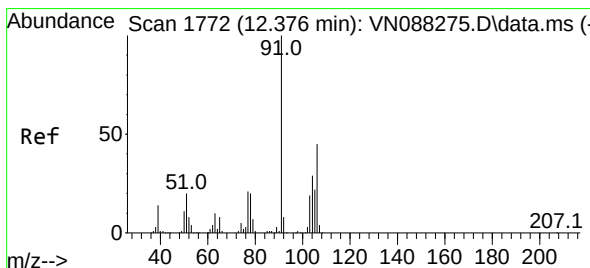
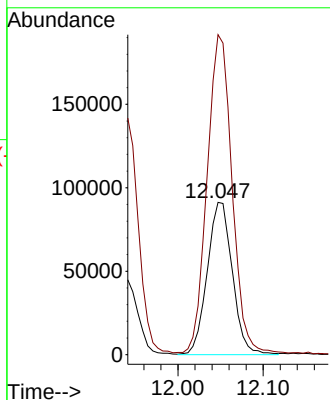
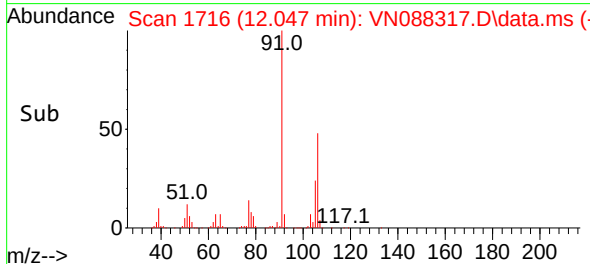
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:106 Resp: 187264
Ion Ratio Lower Upper
106 100
91 209.6 168.3 252.5

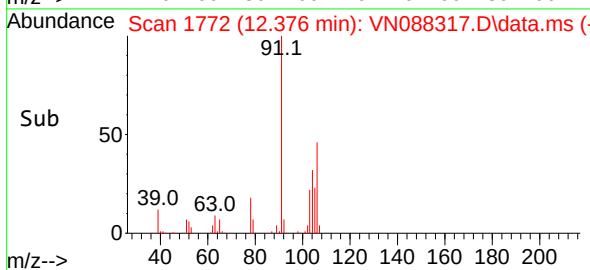
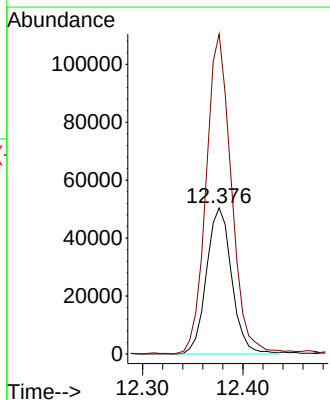
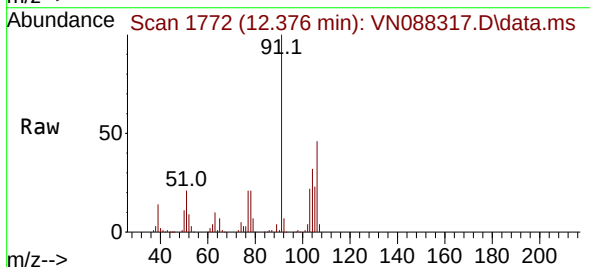
Manual Integrations
APPROVED

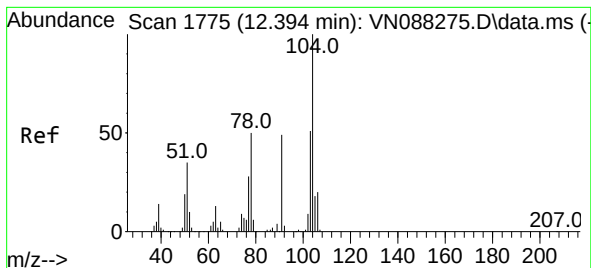
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#68
o-Xylene
Concen: 17.252 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Tgt Ion:106 Resp: 88005
Ion Ratio Lower Upper
106 100
91 218.9 114.0 342.0





#69

Styrene

Concen: 16.717 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN088317.D

Acq: 20 Nov 2025 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

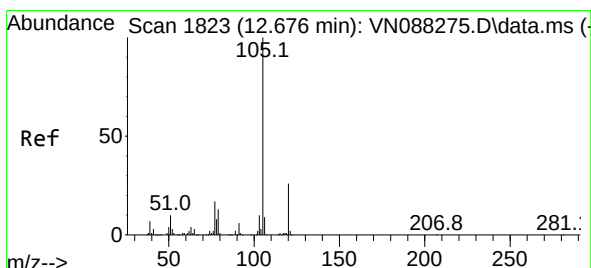
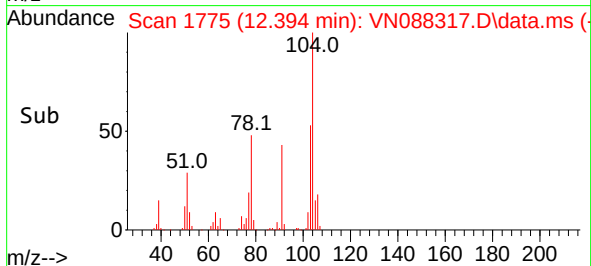
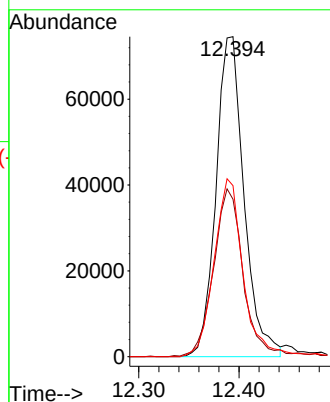
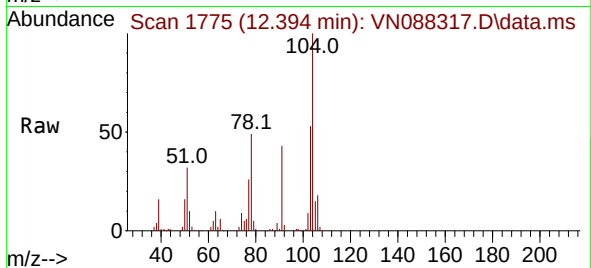
Tgt Ion:	104	Resp:	144830
Ion Ratio	Lower	Upper	
104	100		
78	54.5	43.8	65.8
103	57.4	44.8	67.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/21/2025

Supervised By :Semsettin Yesilyurt 11/21/2025



#70

Isopropylbenzene

Concen: 16.083 ug/l

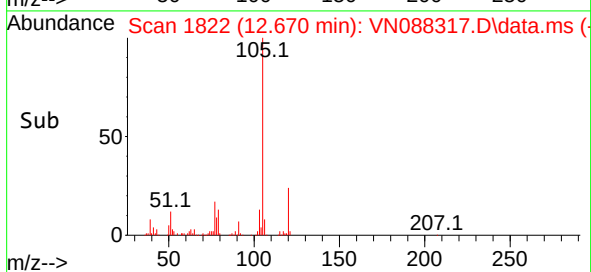
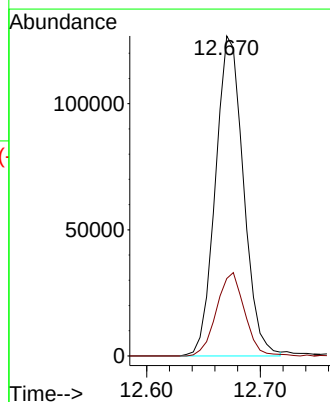
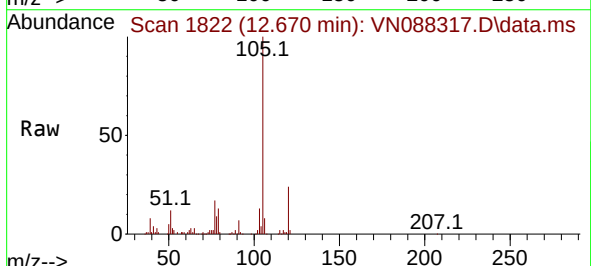
RT: 12.670 min Scan# 1822

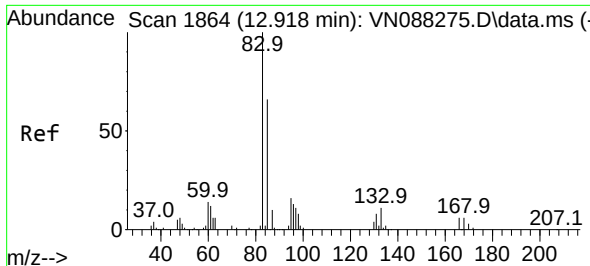
Delta R.T. -0.006 min

Lab File: VN088317.D

Acq: 20 Nov 2025 09:13

Tgt Ion:	105	Resp:	217425
Ion Ratio	Lower	Upper	
105	100		
120	26.0	18.2	33.8





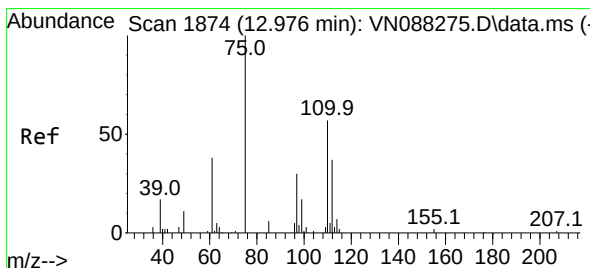
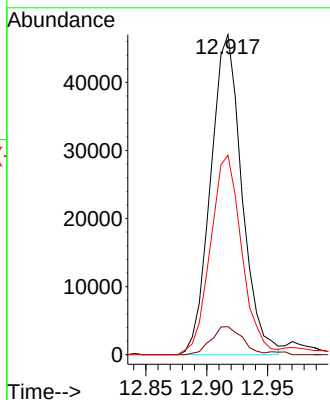
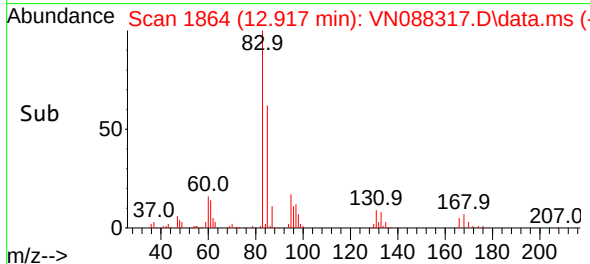
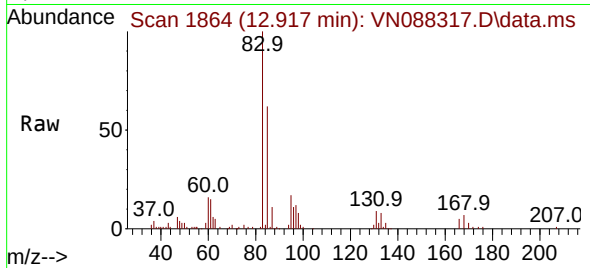
#71
1,1,2,2-Tetrachloroethane
Concen: 19.150 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 8386
Ion Ratio Lower Upper
83 100
131 8.7 4.3 12.9
85 62.5 32.4 97.2

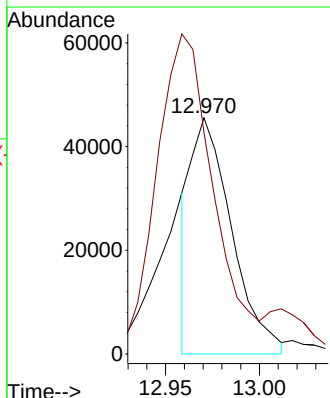
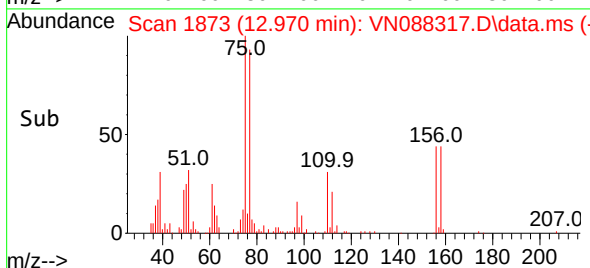
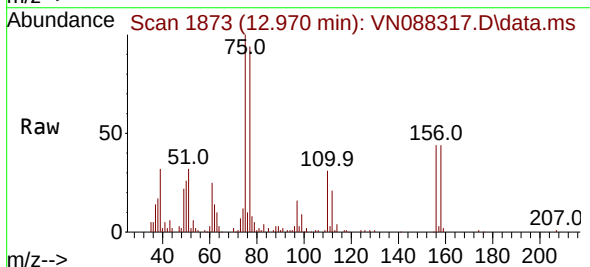
Manual Integrations
APPROVED

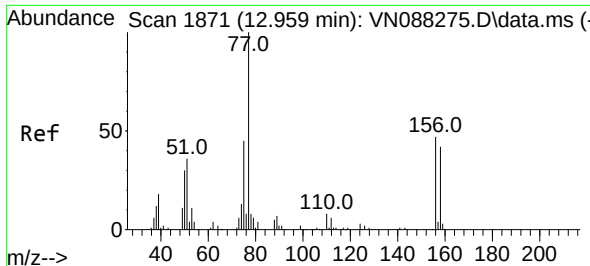
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#72
1,2,3-Trichloropropane
Concen: 16.205 ug/l m
RT: 12.970 min Scan# 1873
Delta R.T. -0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

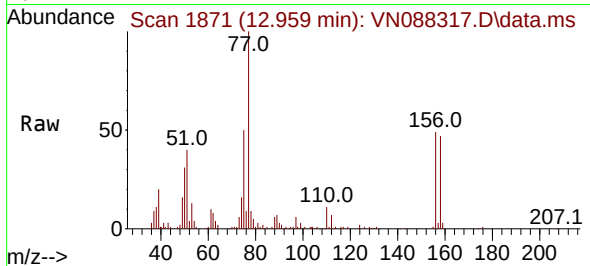
Tgt Ion: 75 Resp: 68748
Ion Ratio Lower Upper
75 100
77 190.0 0.0 386.6





#73
Bromobenzene
Concen: 18.377 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

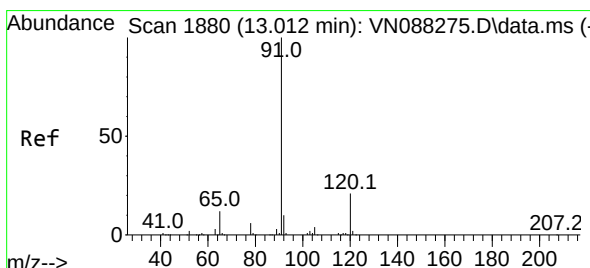
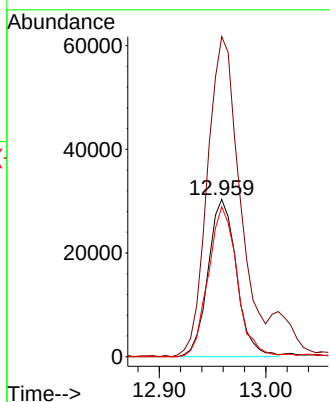
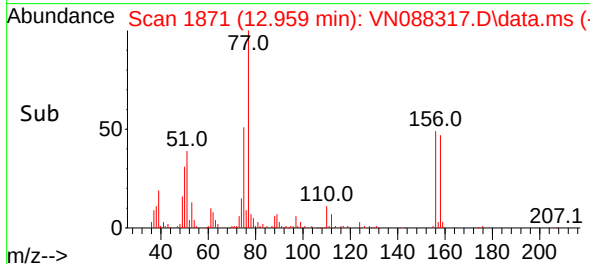
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



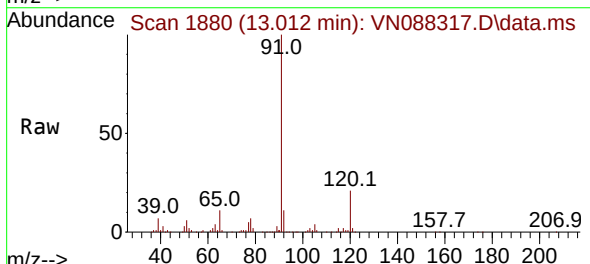
Tgt Ion:156 Resp: 5608
Ion Ratio Lower Upper
156 100
77 232.9 0.0 493.4
158 96.4 0.0 193.4

Manual Integrations
APPROVED

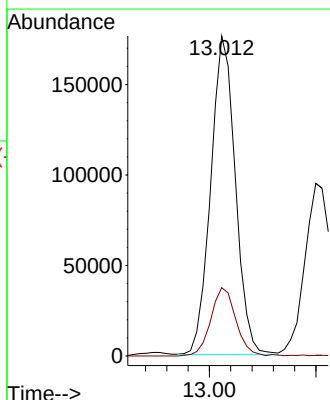
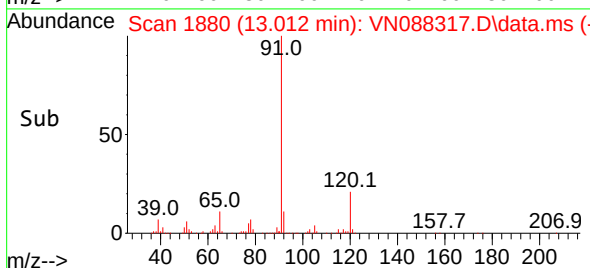
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025

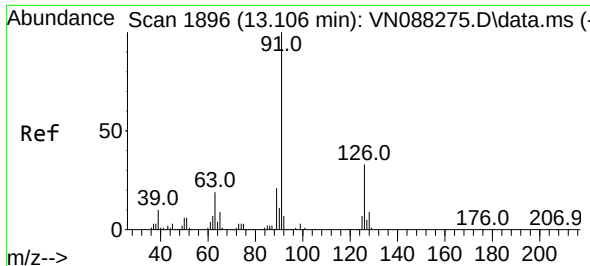


#74
n-propylbenzene
Concen: 16.872 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13



Tgt Ion: 91 Resp: 282261
Ion Ratio Lower Upper
91 100
120 21.7 0.0 43.2





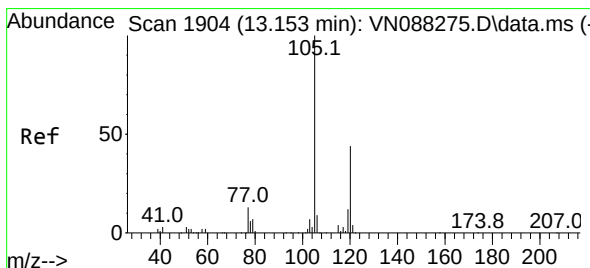
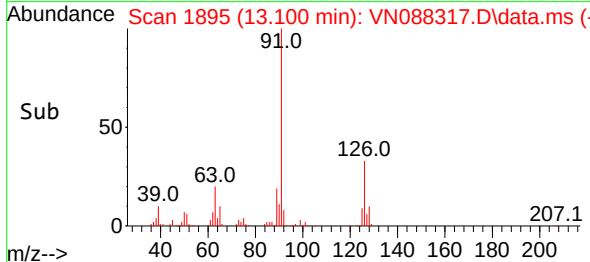
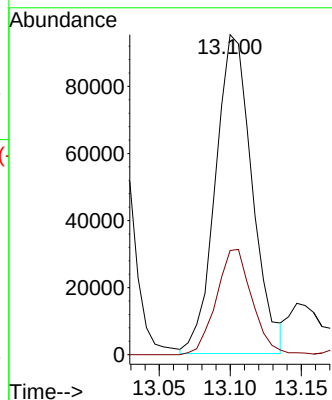
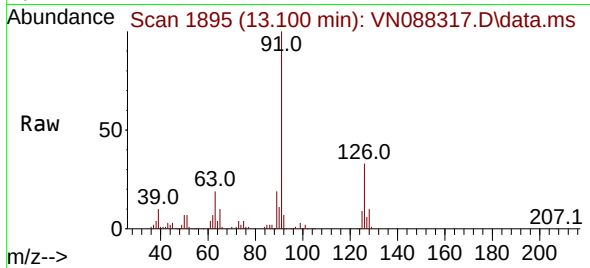
#75
2-Chlorotoluene
Concen: 16.849 ug/l
RT: 13.100 min Scan# 1896
Delta R.T. -0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 17140
Ion Ratio Lower Upper
91 100
126 32.0 0.0 62.0

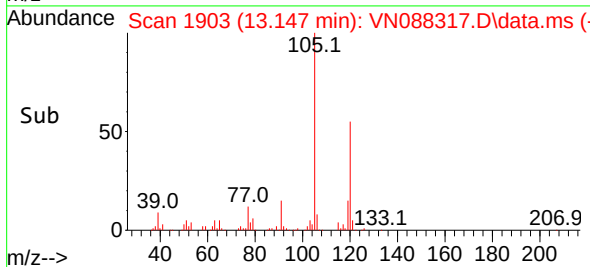
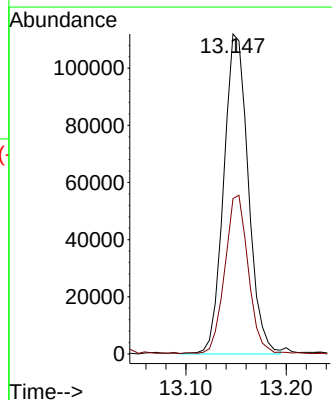
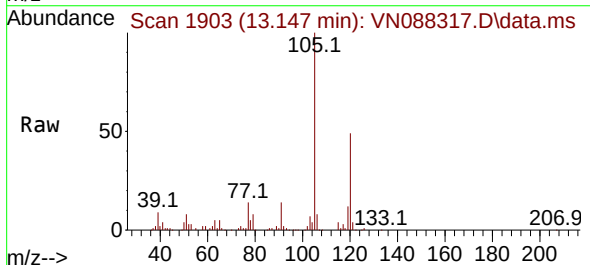
Manual Integrations
APPROVED

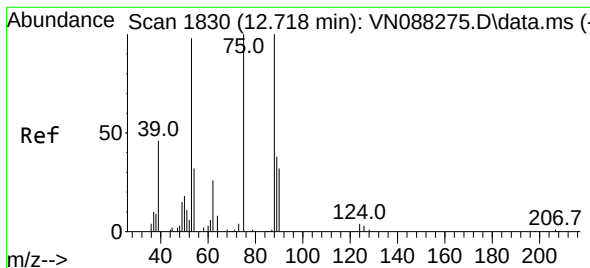
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#76
1,3,5-Trimethylbenzene
Concen: 16.788 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

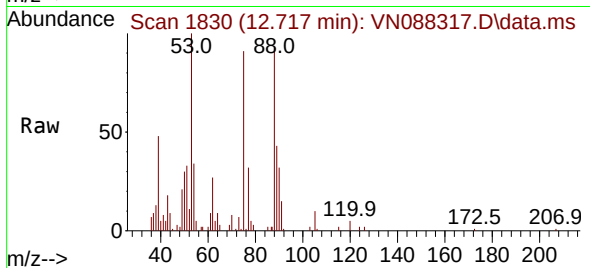
Tgt Ion:105 Resp: 190504
Ion Ratio Lower Upper
105 100
120 47.3 0.0 94.6





#77
t-1,4-Dichloro-2-butene
Concen: 13.690 ug/l
RT: 12.717 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

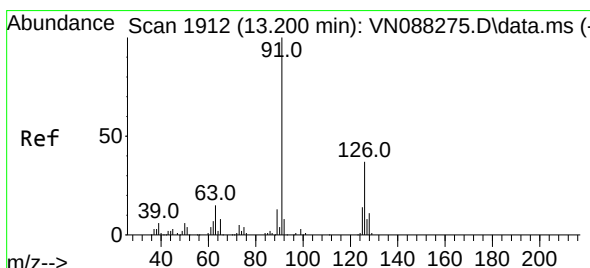
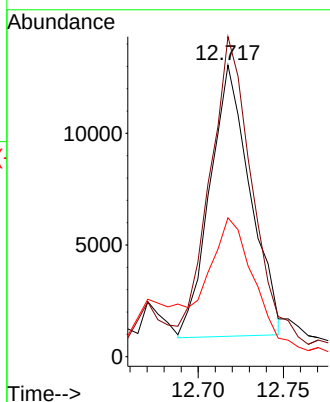
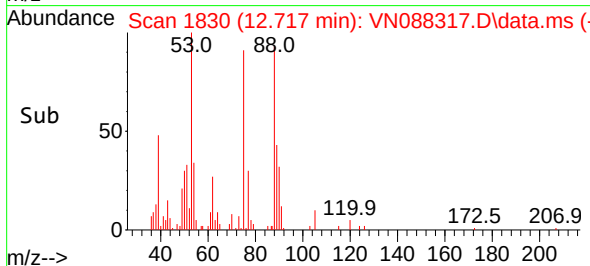
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 1994
Ion Ratio Lower Upper
75 100
53 107.4 50.0 150.0
89 44.6 22.3 66.9

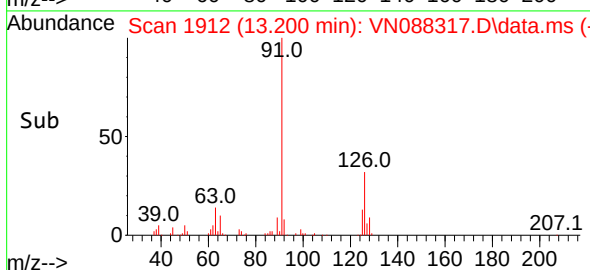
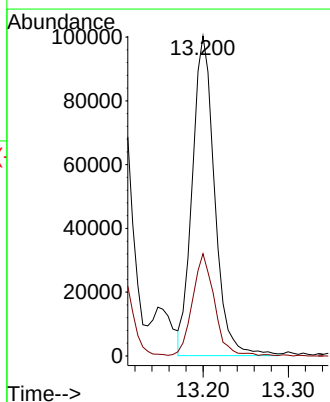
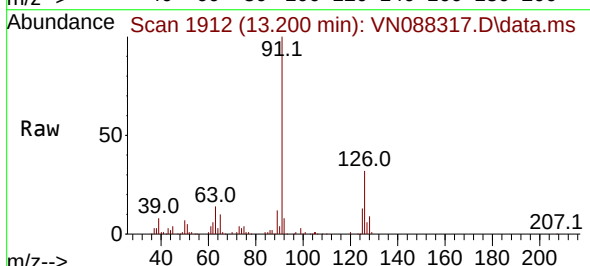
Manual Integrations
APPROVED

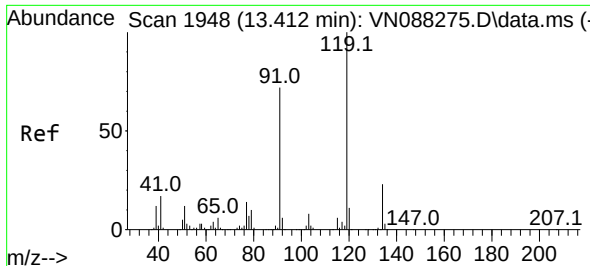
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#78
4-Chlorotoluene
Concen: 17.691 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Tgt Ion: 91 Resp: 182371
Ion Ratio Lower Upper
91 100
126 31.1 0.0 60.8





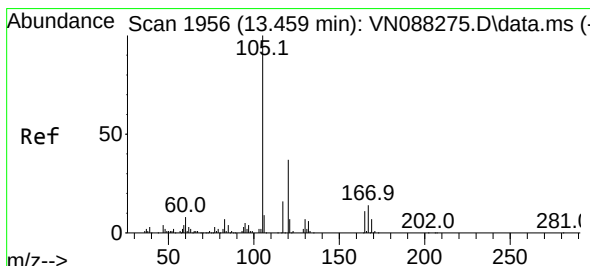
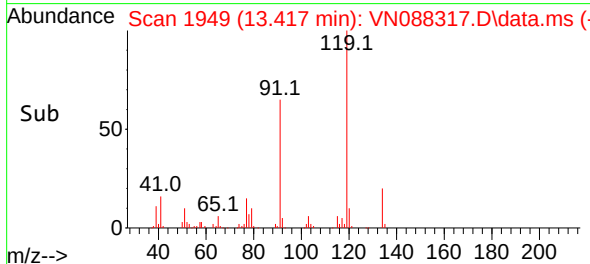
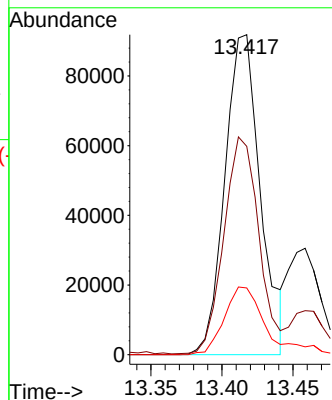
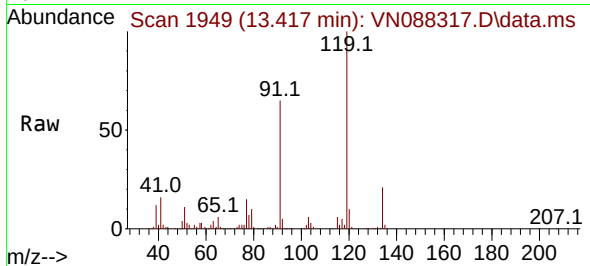
#79
tert-butylbenzene
Concen: 16.453 ug/l
RT: 13.417 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 15984
Ion Ratio Lower Upper
119 100
91 67.1 0.0 140.8
134 22.0 0.0 48.4

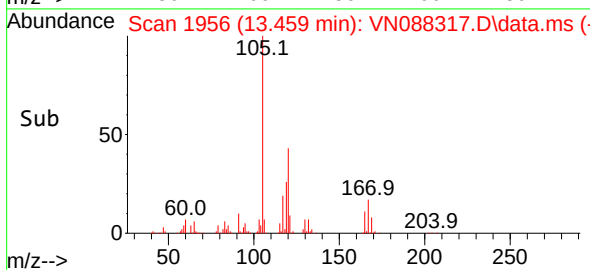
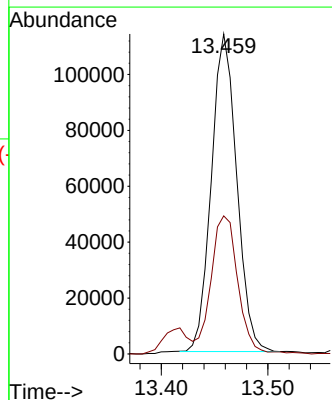
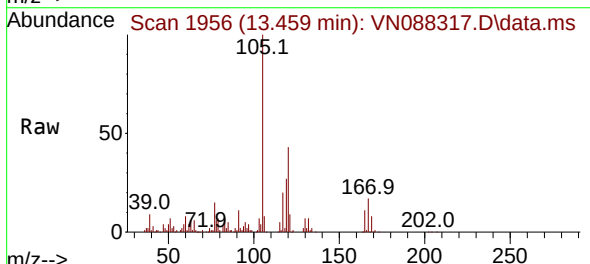
Manual Integrations
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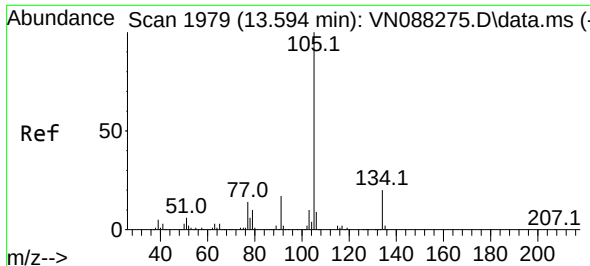
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#80
1,2,4-Trimethylbenzene
Concen: 16.677 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Tgt Ion:105 Resp: 188180
Ion Ratio Lower Upper
105 100
120 45.2 0.0 89.2





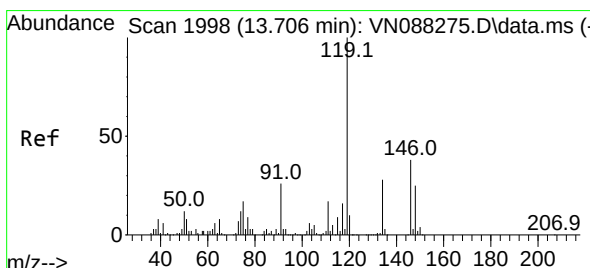
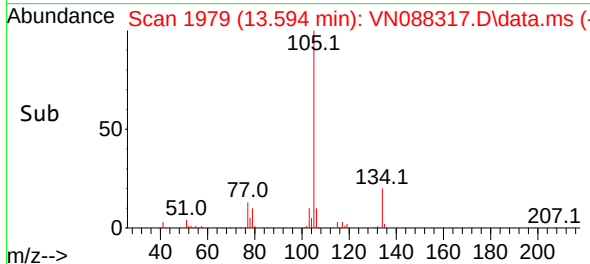
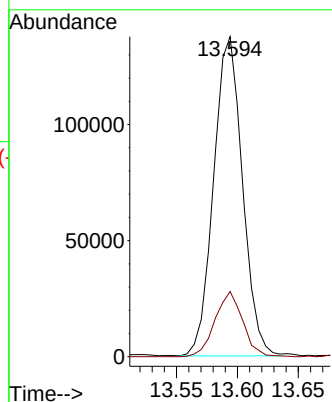
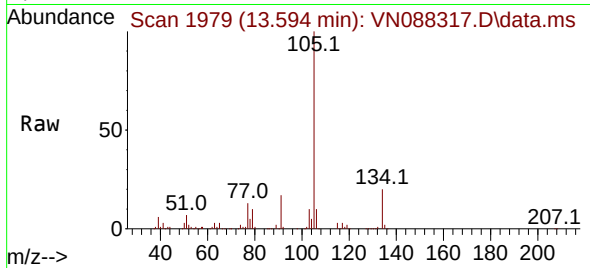
#81
 sec-Butylbenzene
 Concen: 15.971 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN088317.D
 Acq: 20 Nov 2025 09:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:105 Resp: 226318
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 38.4

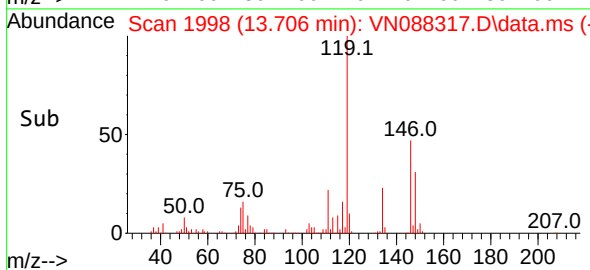
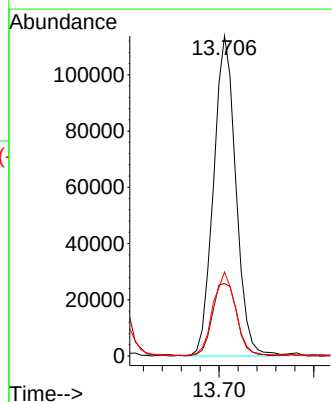
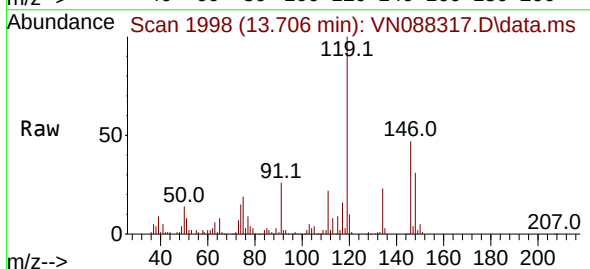
Manual Integrations
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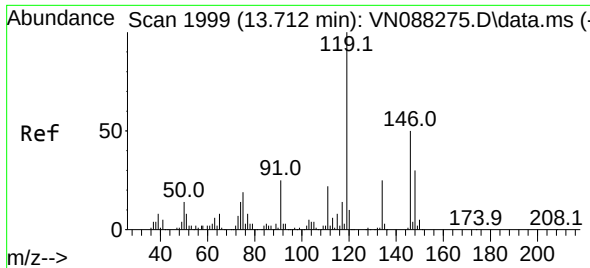
Reviewed By :John Carlone 11/21/2025
 Supervised By :Semsettin Yesilyurt 11/21/2025



#82
 p-Isopropyltoluene
 Concen: 15.965 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN088317.D
 Acq: 20 Nov 2025 09:13

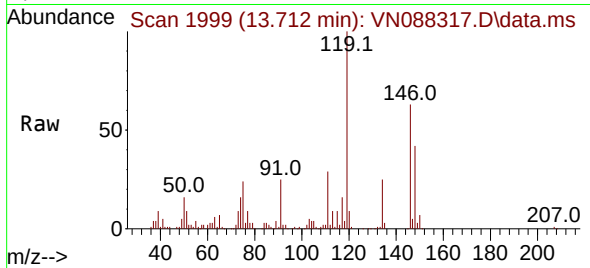
Tgt Ion:119 Resp: 186938
 Ion Ratio Lower Upper
 119 100
 134 25.0 0.0 51.2
 91 26.5 0.0 53.4





#83
1,3-Dichlorobenzene
Concen: 18.230 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

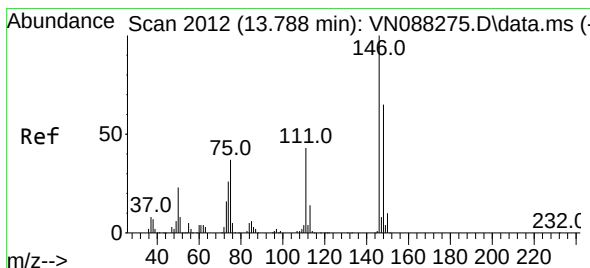
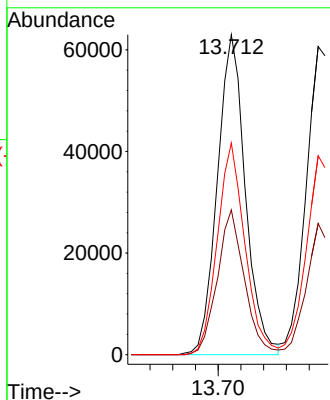
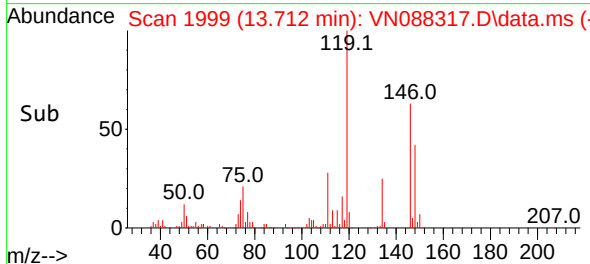
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



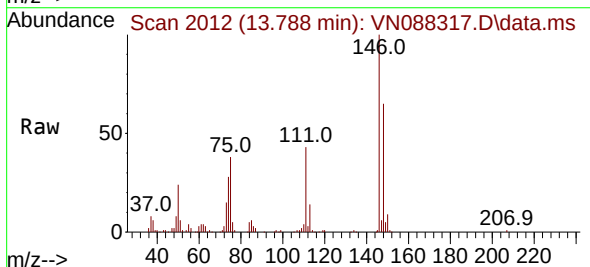
Tgt Ion:146 Resp: 108100
Ion Ratio Lower Upper
146 100
111 43.9 22.1 66.5
148 65.3 31.4 94.3

Manual Integrations
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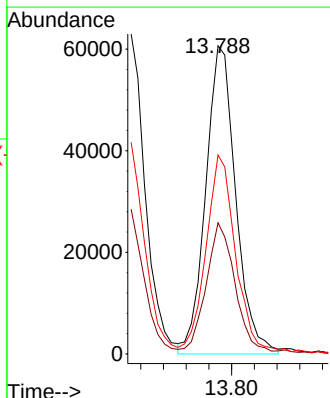
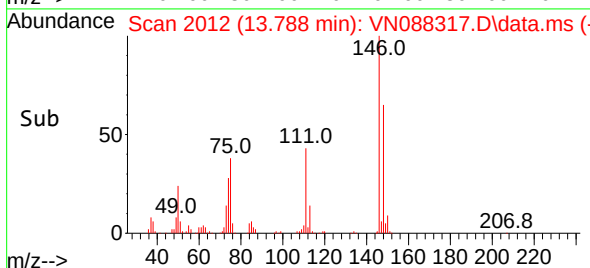
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025

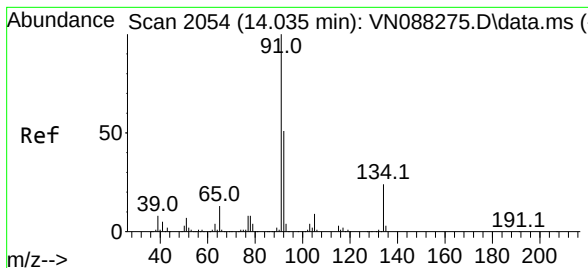


#84
1,4-Dichlorobenzene
Concen: 18.548 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13



Tgt Ion:146 Resp: 111384
Ion Ratio Lower Upper
146 100
111 41.4 21.8 65.3
148 64.4 31.9 95.5





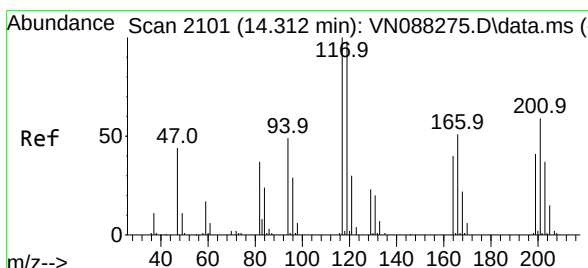
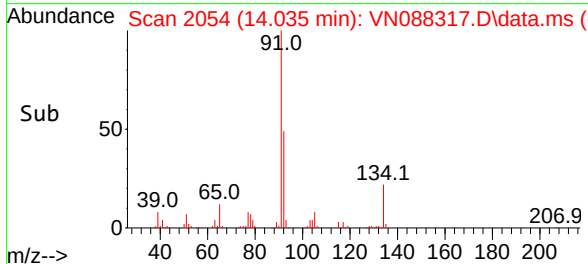
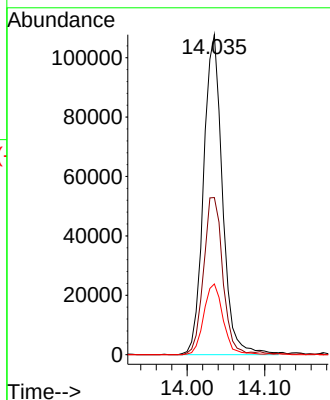
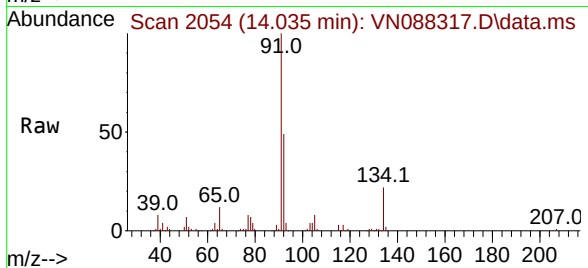
#85
n-Butylbenzene
Concen: 16.367 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 18264
Ion Ratio Lower Upper
91 100
92 49.6 0.0 102.4
134 22.6 0.0 45.8

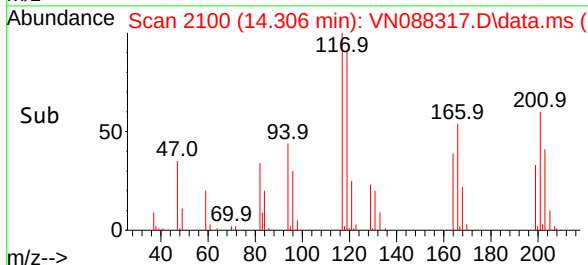
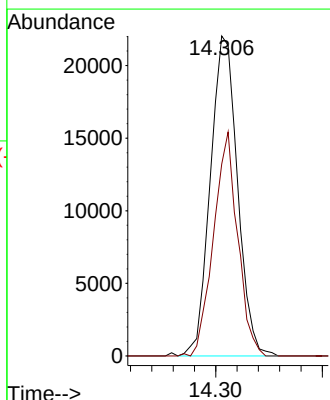
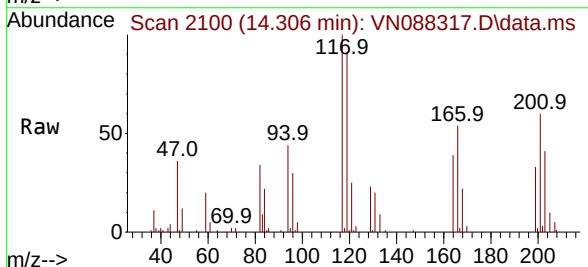
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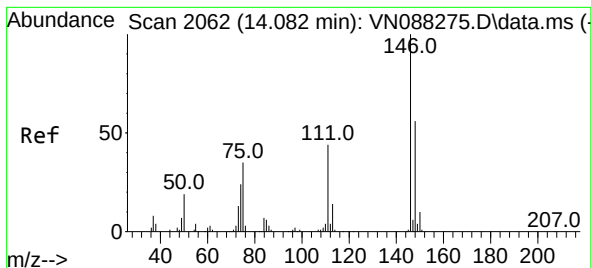
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#86
Hexachloroethane
Concen: 17.395 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

Tgt Ion:117 Resp: 38999
Ion Ratio Lower Upper
117 100
201 62.0 30.6 92.0





#87

1,2-Dichlorobenzene

Concen: 18.101 ug/l

RT: 14.082 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VN088317.D

Acq: 20 Nov 2025 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:146 Resp: 10131

Ion Ratio Lower Upper

146 100

111 44.2 23.0 69.0

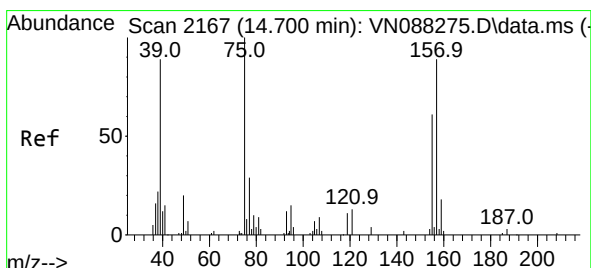
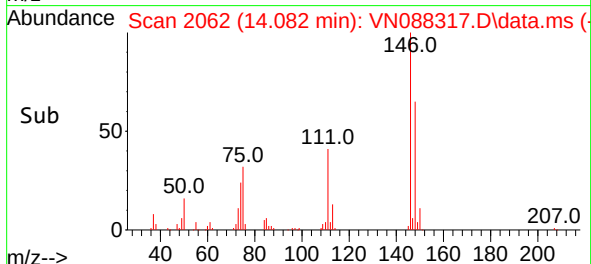
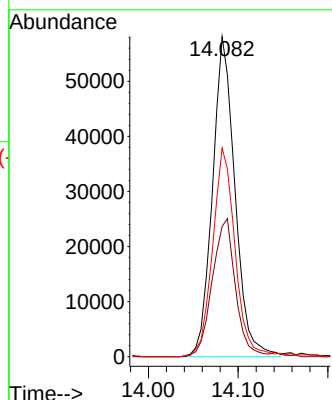
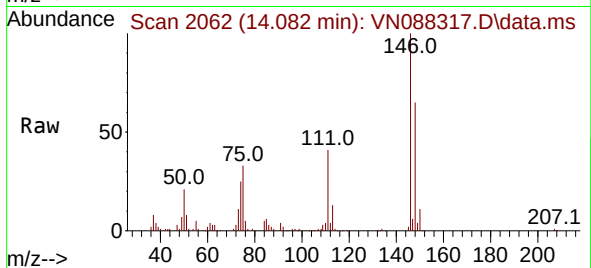
148 65.1 31.1 93.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/21/2025

Supervised By :Semsettin Yesilyurt 11/21/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 16.341 ug/l

RT: 14.700 min Scan# 2167

Delta R.T. -0.000 min

Lab File: VN088317.D

Acq: 20 Nov 2025 09:13

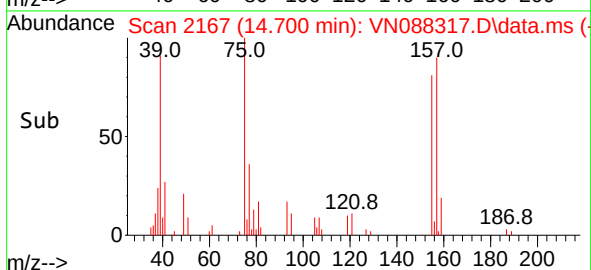
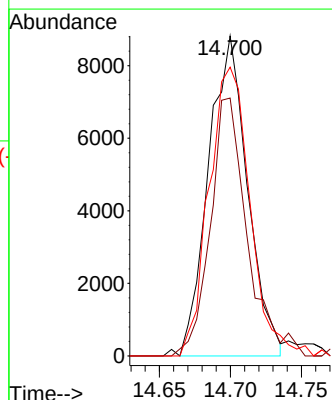
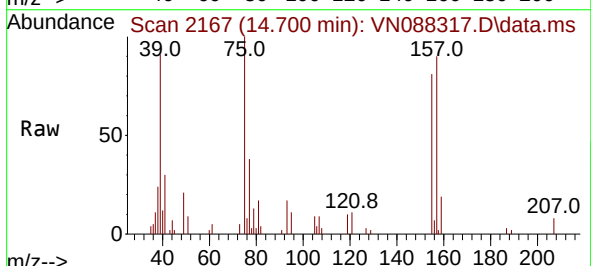
Tgt Ion: 75 Resp: 16820

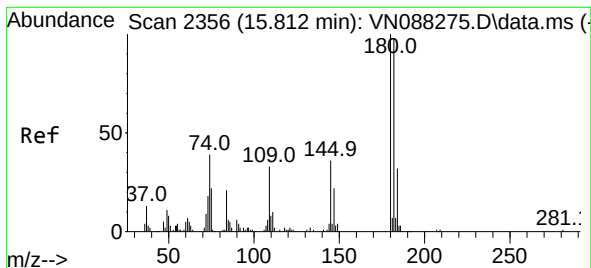
Ion Ratio Lower Upper

75 100

155 74.4 54.8 82.2

157 94.7 70.7 106.1





#89

1,2,4-Trichlorobenzene

Concen: 16.844 ug/l

RT: 15.811 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN088317.D

Acq: 20 Nov 2025 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

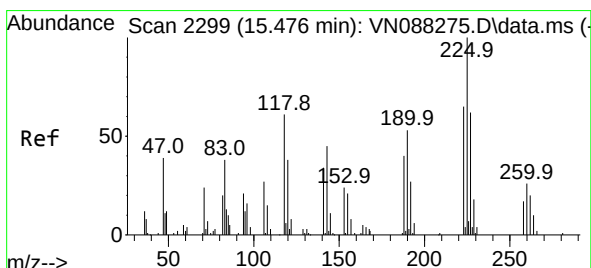
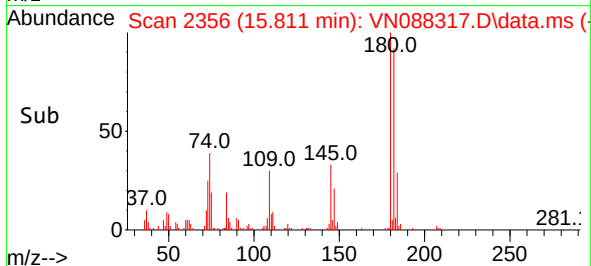
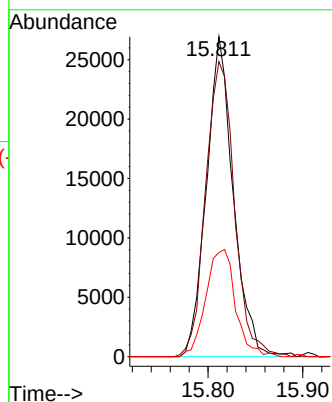
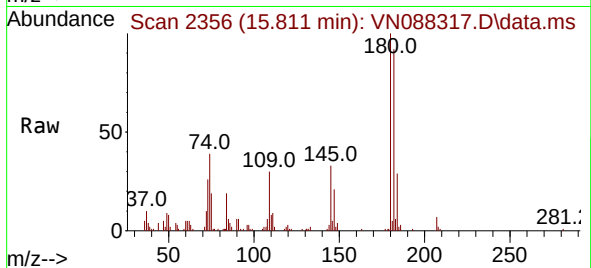
Tgt Ion:	180	Resp:	5290
Ion Ratio	Lower	Upper	
180	100		
182	99.1	77.3	115.9
145	36.7	30.2	45.4

Manual Integrations

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Reviewed By :John Carlone 11/21/2025

Supervised By :Semsettin Yesilyurt 11/21/2025



#90

Hexachlorobutadiene

Concen: 17.974 ug/l

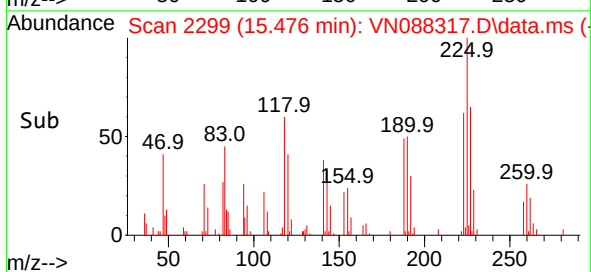
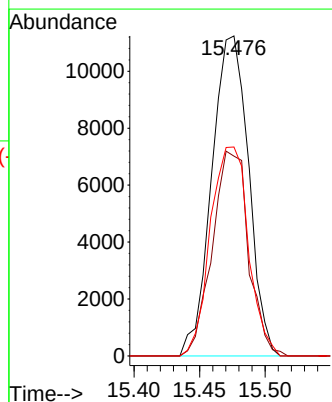
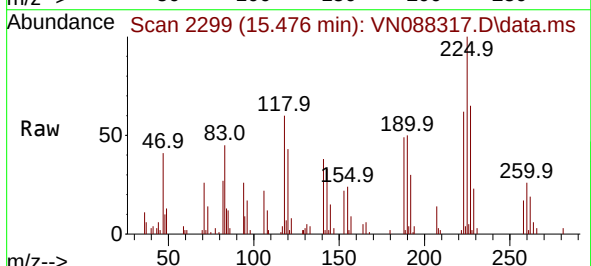
RT: 15.476 min Scan# 2299

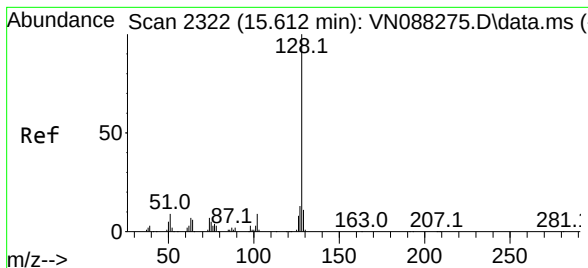
Delta R.T. -0.000 min

Lab File: VN088317.D

Acq: 20 Nov 2025 09:13

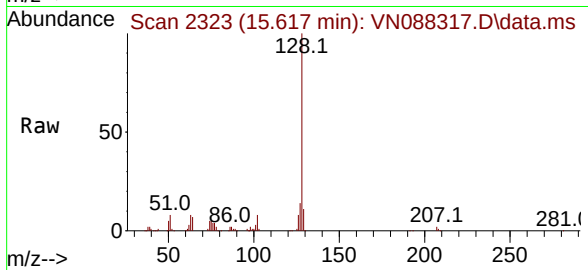
Tgt Ion:	225	Resp:	21924
Ion Ratio	Lower	Upper	
225	100		
223	62.8	0.0	132.0
227	67.3	0.0	132.6





#91
Naphthalene
Concen: 15.864 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.006 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13

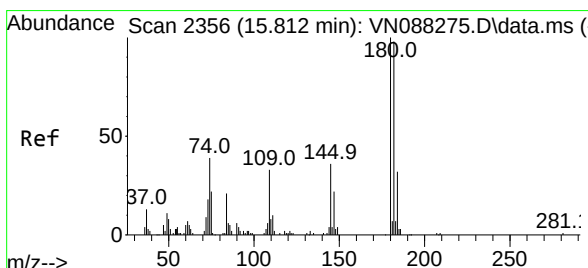
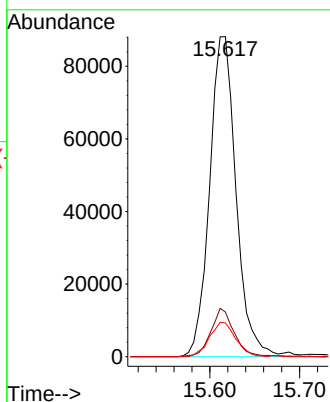
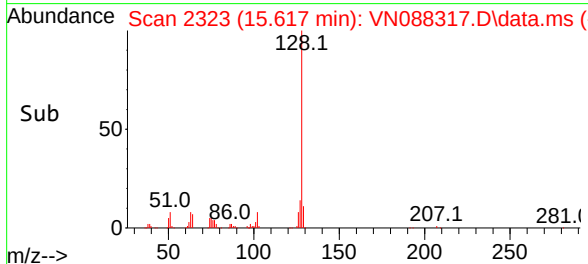
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



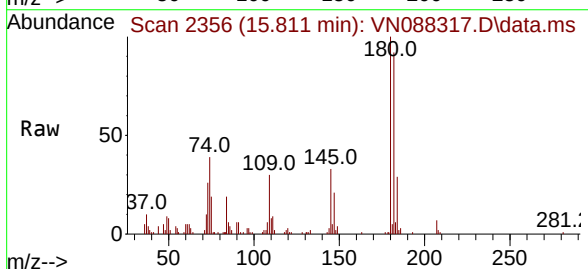
Tgt Ion:128 Resp: 180279
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.7 8.8 13.2

Manual Integrations
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Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#92
1,2,3-Trichlorobenzene
Concen: 16.844 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. -0.000 min
Lab File: VN088317.D
Acq: 20 Nov 2025 09:13



Tgt Ion:180 Resp: 52905
Ion Ratio Lower Upper
180 100
182 99.1 0.0 193.2
145 36.7 0.0 75.6

