

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
 Data File : VN087421.D
 Acq On : 28 Jul 2025 10:27
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Quant Time: Jul 28 11:29:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 28 11:25:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/28/2025
 Supervised By : Mahesh Dadoda 07/29/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	104056	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	582372	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	518227	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	234251	27.296	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	91.000%		
60) 4-Bromofluorobenzene	12.829	95	251797	29.123	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.067%		
63) Toluene-d8	10.547	98	713184	30.261	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.867%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	245888	38.620	ug/l	92
3) Chloromethane	2.383	50	259384	41.016	ug/l	97
4) Vinyl Chloride	2.542	62	262437	37.653	ug/l	95
5) Bromomethane	2.983	94	130747	30.315	ug/l	92
6) Chloroethane	3.136	64	150376m	28.073	ug/l	
7) Trichlorofluoromethane	3.512	101	340827	28.754	ug/l	94
8) Diethyl Ether	3.965	74	137366	29.113	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	181873	28.953	ug/l #	72
10) 1,1-Dichloroethene	4.336	96	184843	28.343	ug/l	92
11) Methyl Iodide	4.583	142	169435	35.615	ug/l	83
12) Methyl Acetate	5.018	43	397450	46.854	ug/l	100
13) Acrolein	4.177	56	136233	88.340	ug/l	95
14) Acrylonitrile	5.706	53	845001	218.128	ug/l	97
15) Acetone	4.424	58	188498	137.822	ug/l	98
16) Carbon Disulfide	4.700	76	649186	38.545	ug/l	98
17) Allyl chloride	5.012	41	422244	47.263	ug/l	86
18) Methylene Chloride	5.265	84	271116	41.076	ug/l #	86
19) trans-1,2-Dichloroethene	5.777	96	249424	38.945	ug/l	90
20) Diisopropyl ether	6.659	45	978423	43.310	ug/l	96
21) 1,1-Dichloroethane	6.553	63	490965	40.689	ug/l	94
22) cis-1,2-Dichloroethene	7.471	96	314681	41.947	ug/l	98
23) tert-Butyl Alcohol	5.524	59	329582	248.240	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	913143	43.327	ug/l	99
25) Chloroform	7.953	83	500601	37.880	ug/l	97
26) Cyclohexane	8.241	56	449110	49.926	ug/l #	93
29) 1,1-Dichloropropene	8.353	75	339352	34.154	ug/l	97
30) 2-Butanone	7.471	43	1232374	182.123	ug/l	99
31) 2,2-Dichloropropane	7.471	77	420772	32.246	ug/l	95
32) 1,1,1-Trichloroethane	8.153	97	412028	31.684	ug/l	99
33) Carbon Tetrachloride	8.347	117	343165	30.376	ug/l	95
34) Benzene	8.588	78	1114078	34.717	ug/l	95
35) Methacrylonitrile	7.765	41	277074	38.938	ug/l	94
36) 1,2-Dichloroethane	8.653	62	364910	28.825	ug/l	97
37) Trichloroethene	9.335	130	254332	34.729	ug/l	99
38) Methylcyclohexane	9.583	83	442244	42.104	ug/l	96
39) 1,2-Dichloropropane	9.606	63	286553	35.545	ug/l	96
40) Dibromomethane	9.694	93	199678	32.014	ug/l	99
41) Bromodichloromethane	9.871	83	406835	32.851	ug/l	92
42) Vinyl Acetate	6.594	43	4078744	177.937	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	529612m	38.446	ug/l	
44) Isopropyl Acetate	8.677	43	818584	37.640	ug/l	99
45) 1,4-Dioxane	9.683	88	99119	739.755	ug/l #	54
46) Methyl methacrylate	9.665	41	387675	38.710	ug/l	96
47) n-amyl Acetate	12.500	43	391335	30.027	ug/l #	69
48) t-1,3-Dichloropropene	10.818	75	459614	34.790	ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	487320	36.883	ug/l	93
50) 1,1,2-Trichloroethane	10.994	97	268781	33.367	ug/l	95
51) Ethyl methacrylate	10.859	69	493799	40.086	ug/l	97
52) 1,3-Dichloropropane	11.147	76	475675	34.345	ug/l	98
53) Dibromochloromethane	11.341	129	312618	33.112	ug/l	99
54) 1,2-Dibromoethane	11.447	107	284615	34.470	ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	1001321	146.121	ug/l	98
56) Bromoform	12.559	173	218091	32.479	ug/l	100
58) 4-Methyl-2-Pentanone	10.430	43	2465965	194.599	ug/l	99
59) 2-Hexanone	11.177	43	1735360	202.889	ug/l	97
61) Tetrachloroethene	11.082	164	205829	35.567	ug/l	93
62) Toluene	10.612	91	1225674	38.836	ug/l	97
64) Chlorobenzene	11.871	112	746442	36.994	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.941	131	256968	34.849	ug/l	97
66) Ethyl Benzene	11.941	91	1348264	39.459	ug/l	97
67) m/p-Xylenes	12.053	106	1020622	75.480	ug/l	99
68) o-Xylene	12.376	106	492694	37.985	ug/l	96
69) Styrene	12.394	104	846783	37.523	ug/l	99
70) Isopropylbenzene	12.676	105	1256635	38.467	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.918	83	422439	36.760	ug/l	95
72) 1,2,3-Trichloropropane	12.976	75	393969m	38.374	ug/l	
73) Bromobenzene	12.959	156	295472	34.750	ug/l	93
74) n-propylbenzene	13.012	91	1570377	38.067	ug/l	99
75) 2-Chlorotoluene	13.106	91	924823	37.326	ug/l	98
76) 1,3,5-Trimethylbenzene	13.153	105	1053588	37.079	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	166291	40.530	ug/l	92
78) 4-Chlorotoluene	13.200	91	948477	35.893	ug/l	98
79) tert-butylbenzene	13.418	119	917803	38.032	ug/l	97
80) 1,2,4-Trimethylbenzene	13.459	105	1052781	36.294	ug/l	95
81) sec-Butylbenzene	13.594	105	1360199	39.056	ug/l	99
82) p-Isopropyltoluene	13.706	119	1108608	37.088	ug/l	97
83) 1,3-Dichlorobenzene	13.712	146	570197	33.283	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	579128	34.247	ug/l	98
85) n-Butylbenzene	14.035	91	1108525	40.267	ug/l	97
86) Hexachloroethane	14.312	117	222124	38.187	ug/l	95
87) 1,2-Dichlorobenzene	14.082	146	554554	34.380	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	93256	34.878	ug/l	98
89) 1,2,4-Trichlorobenzene	15.812	180	323791	34.797	ug/l	97
90) Hexachlorobutadiene	15.476	225	124521	32.444	ug/l	99
91) Naphthalene	15.617	128	1229606	39.703	ug/l	99
92) 1,2,3-Trichlorobenzene	15.812	180	323791	34.797	ug/l	97

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

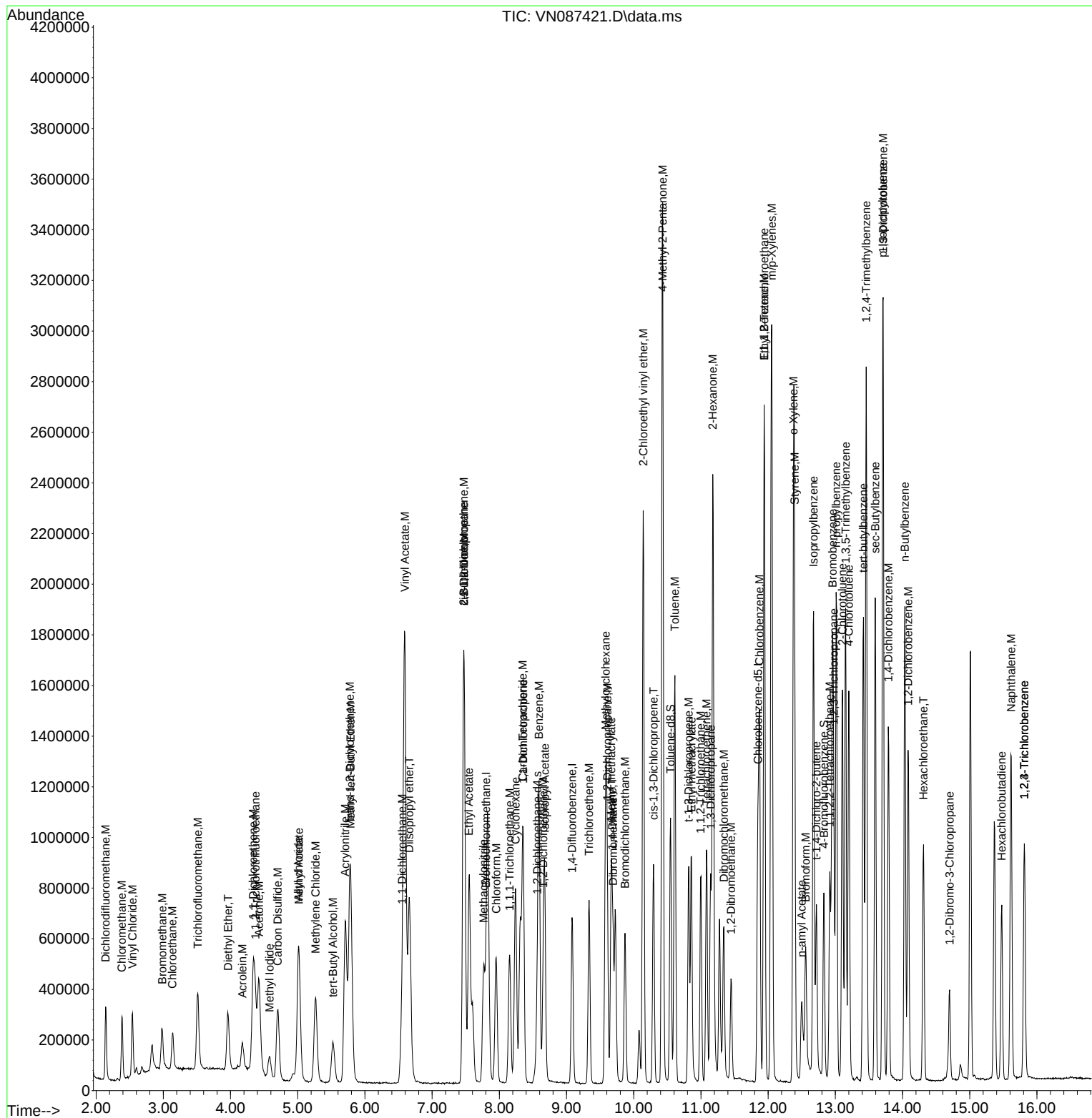
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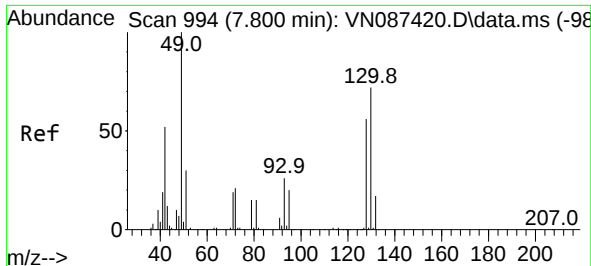
Instrument :
MSVOA_N
ClientSampleId :
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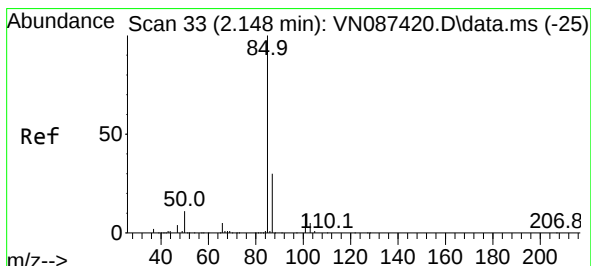
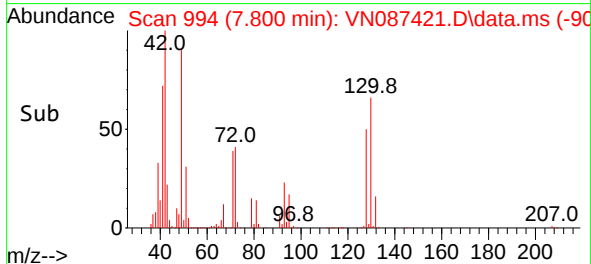
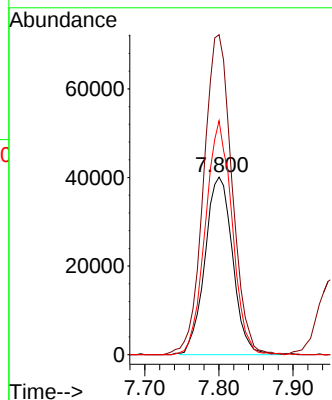
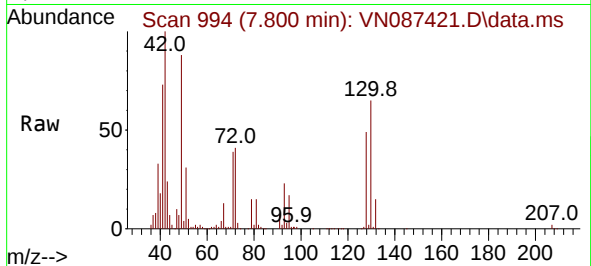
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:128 Resp: 104050
Ion Ratio Lower Upper
128 100
49 184.9 0.0 446.2
130 127.0 0.0 331.0

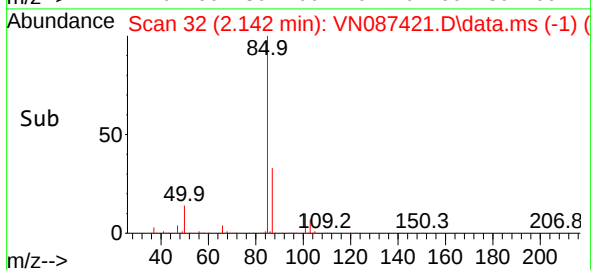
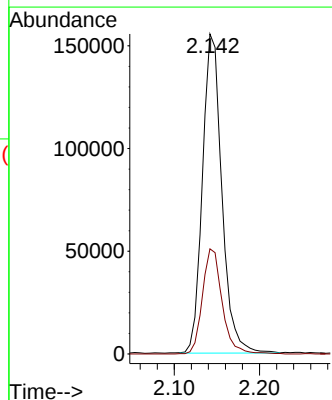
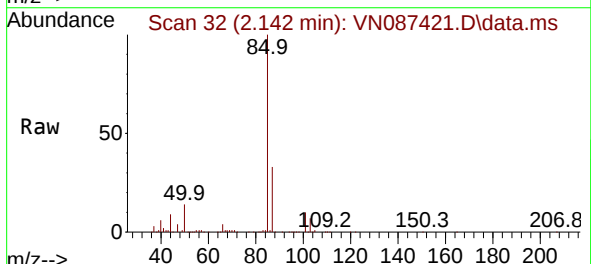
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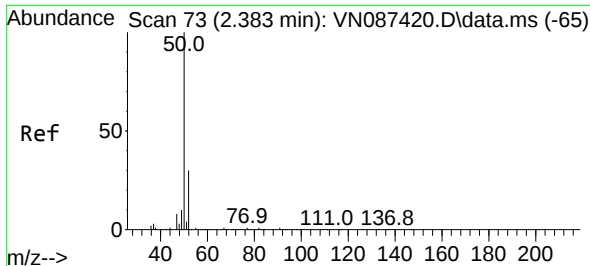
Reviewed By :John Carlone 07/28/2025
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#2
Dichlorodifluoromethane
Concen: 38.620 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

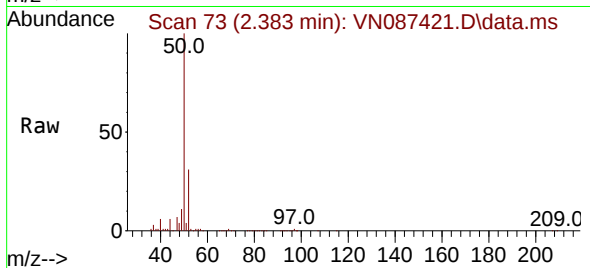
Tgt Ion: 85 Resp: 245888
Ion Ratio Lower Upper
85 100
87 32.8 18.9 56.9





#3
Chloromethane
Concen: 41.016 ug/l
RT: 2.383 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

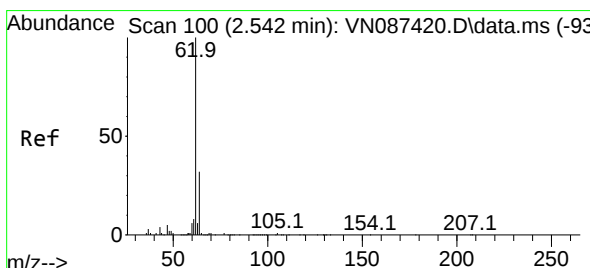
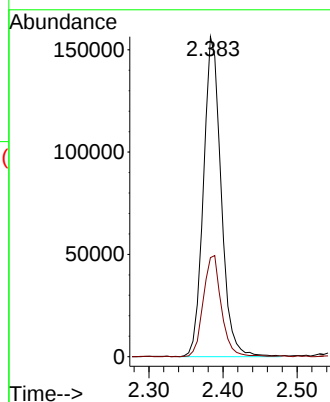
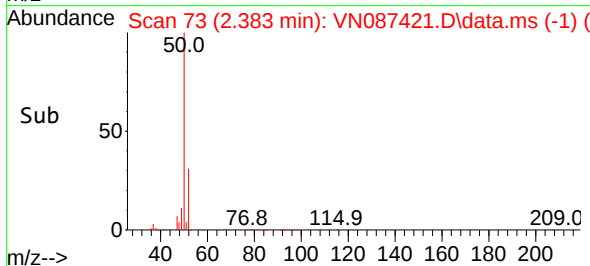
Instrument :
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ClientSampleId :
VSTDICC050



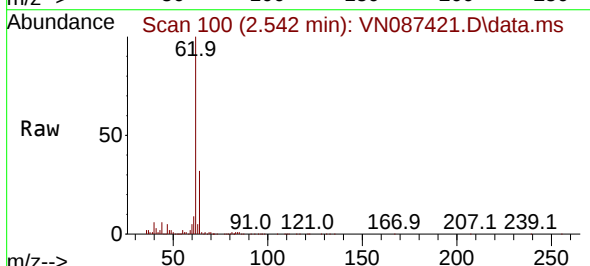
Tgt Ion: 50 Resp: 259384
Ion Ratio Lower Upper
50 100
52 30.8 23.2 34.8

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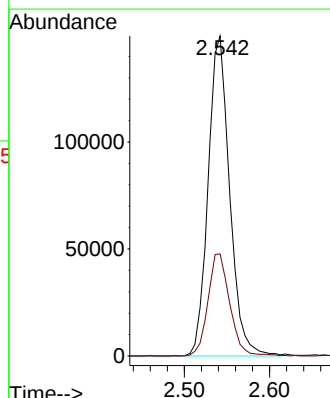
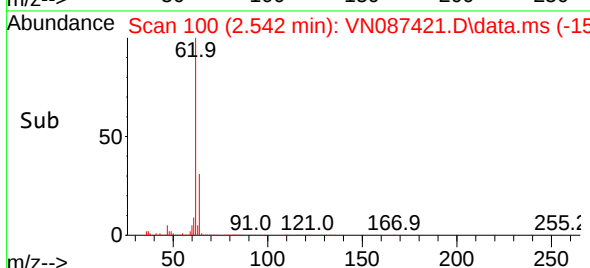
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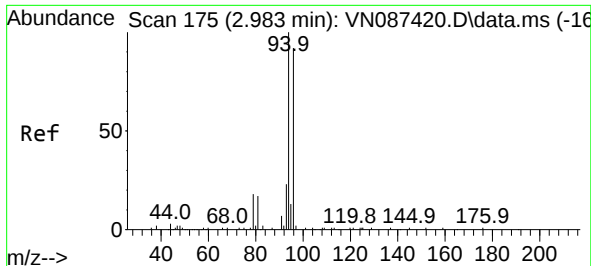


#4
Vinyl Chloride
Concen: 37.653 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27



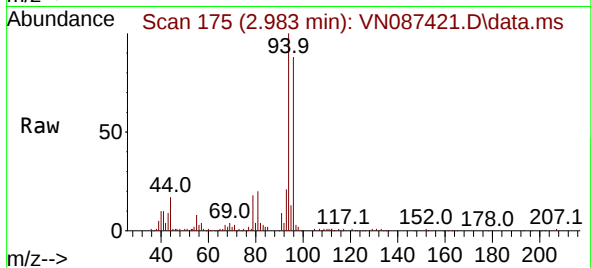
Tgt Ion: 62 Resp: 262437
Ion Ratio Lower Upper
62 100
64 31.9 23.2 34.8





#5
Bromomethane
Concen: 30.315 ug/l
RT: 2.983 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

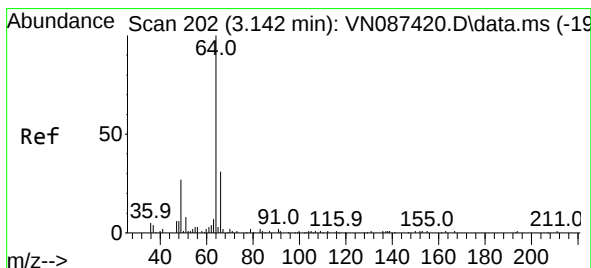
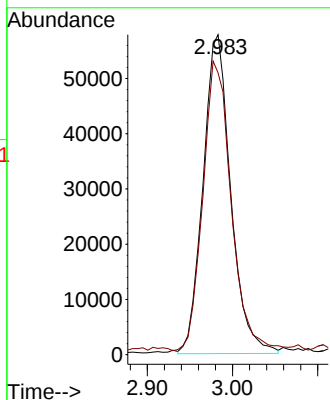
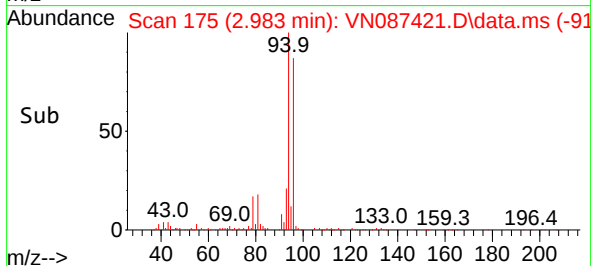
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



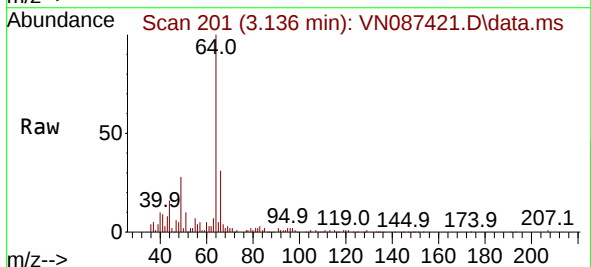
Tgt Ion: 94 Resp: 13074
Ion Ratio Lower Upper
94 100
96 87.4 64.6 96.8

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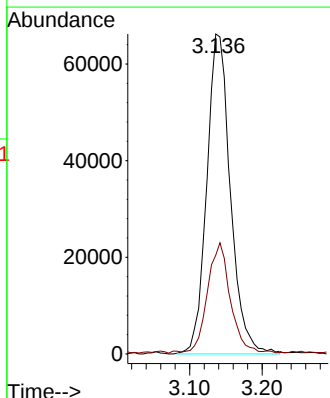
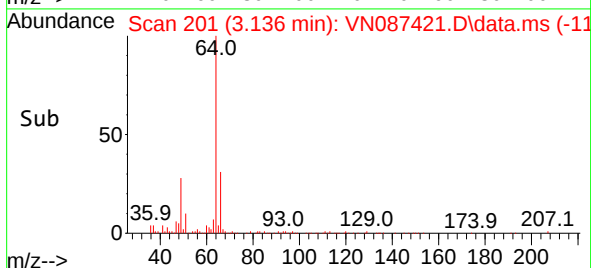
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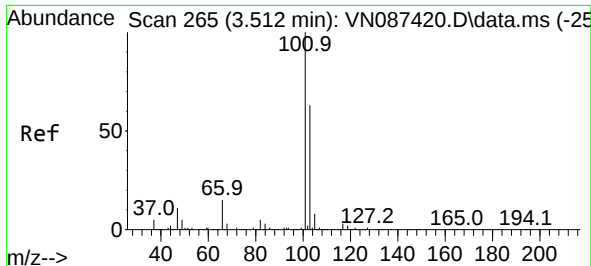


#6
Chloroethane
Concen: 28.073 ug/l m
RT: 3.136 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27



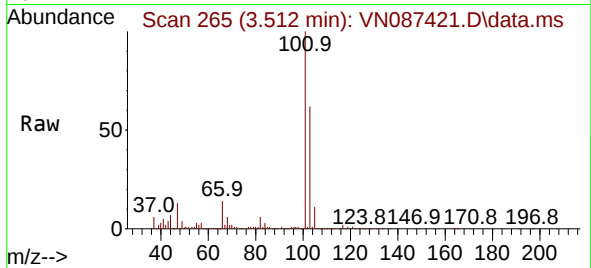
Tgt Ion: 64 Resp: 150376
Ion Ratio Lower Upper
64 100
66 30.9 31.4 47.2#





#7
 Trichlorofluoromethane
 Concen: 28.754 ug/l
 RT: 3.512 min Scan# 265
 Delta R.T. 0.000 min
 Lab File: VN087421.D
 Acq: 28 Jul 2025 10:27

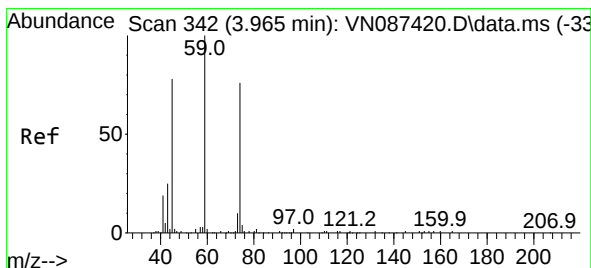
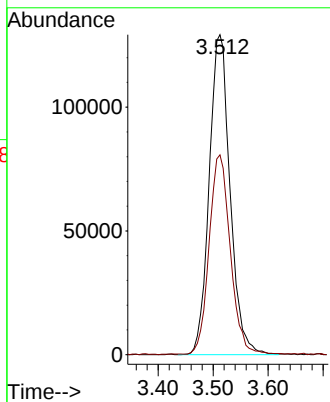
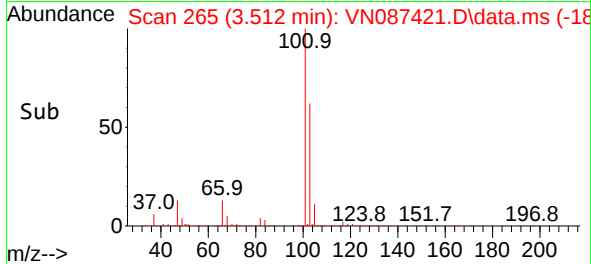
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



Tgt Ion:101 Resp: 34082
 Ion Ratio Lower Upper
 101 100
 103 62.3 53.7 80.5

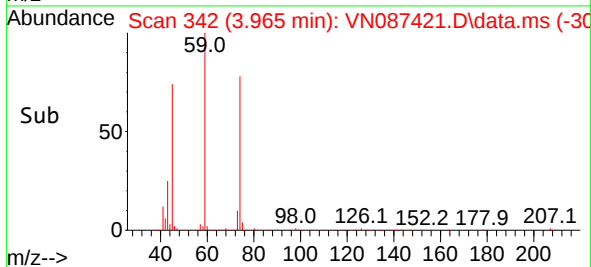
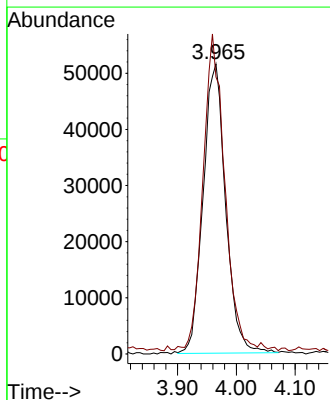
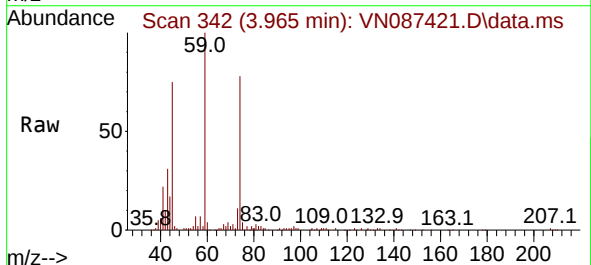
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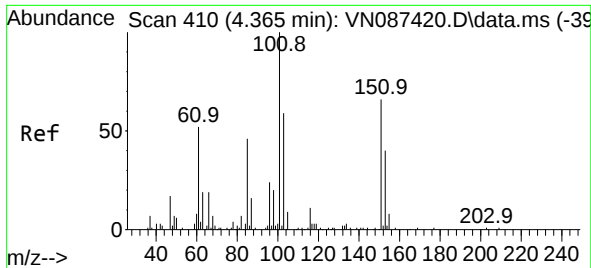
Reviewed By :John Carlone 07/28/2025
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#8
 Diethyl Ether
 Concen: 29.113 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: VN087421.D
 Acq: 28 Jul 2025 10:27

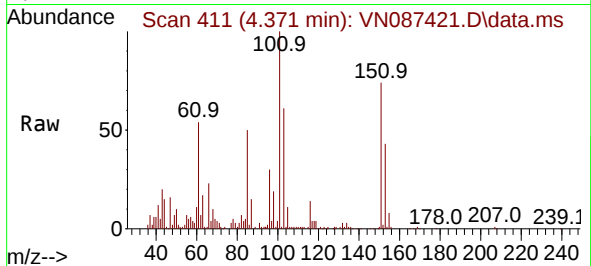
Tgt Ion: 74 Resp: 137366
 Ion Ratio Lower Upper
 74 100
 45 104.3 21.4 192.8





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 28.953 ug/l
 RT: 4.371 min Scan# 410
 Delta R.T. 0.000 min
 Lab File: VN087421.D
 Acq: 28 Jul 2025 10:27

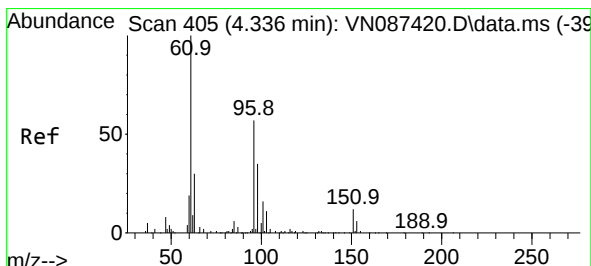
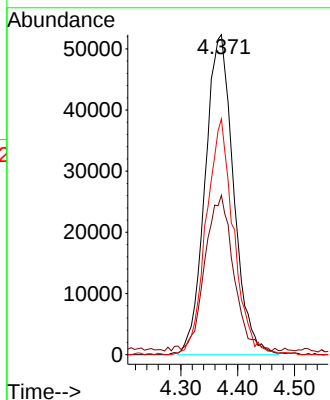
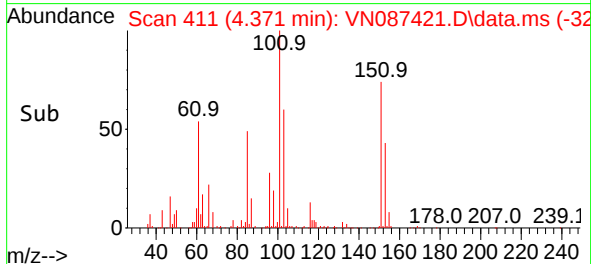
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



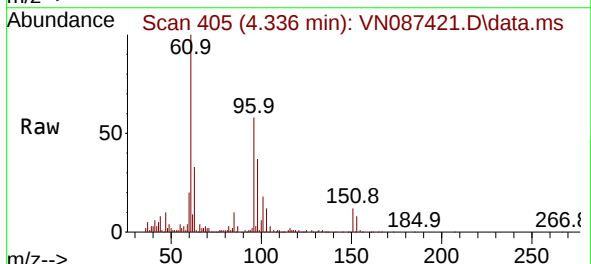
Tgt Ion:101 Resp: 18187
 Ion Ratio Lower Upper
 101 100
 85 46.6 0.0 94.8
 151 69.6 0.0 64.8

Manual Integrations
 APPROVED

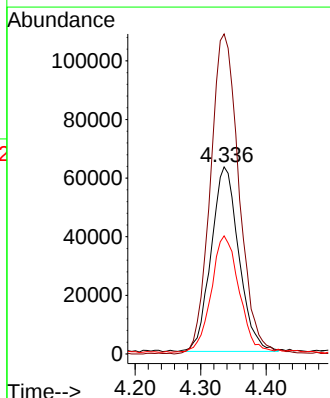
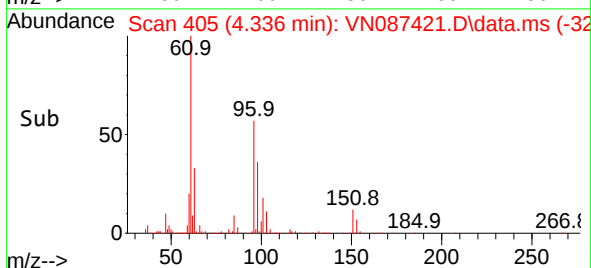
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/29/2025

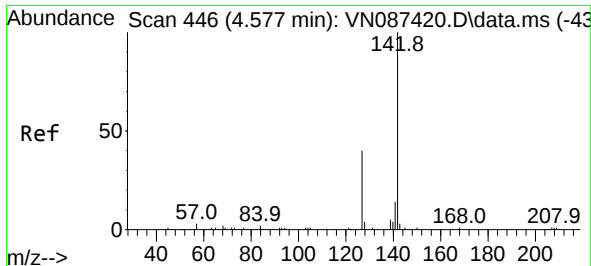


#10
 1,1-Dichloroethene
 Concen: 28.343 ug/l
 RT: 4.336 min Scan# 405
 Delta R.T. -0.006 min
 Lab File: VN087421.D
 Acq: 28 Jul 2025 10:27



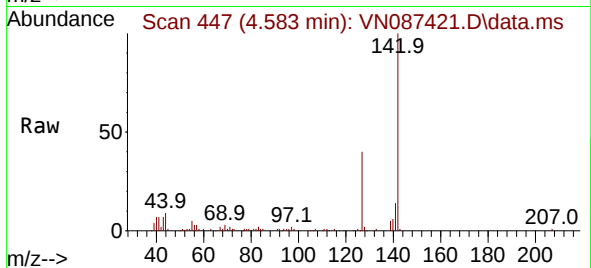
Tgt Ion: 96 Resp: 184843
 Ion Ratio Lower Upper
 96 100
 61 173.1 131.8 197.8
 98 62.8 43.0 64.4





#11
Methyl Iodide
Concen: 35.615 ug/l
RT: 4.583 min Scan# 446
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

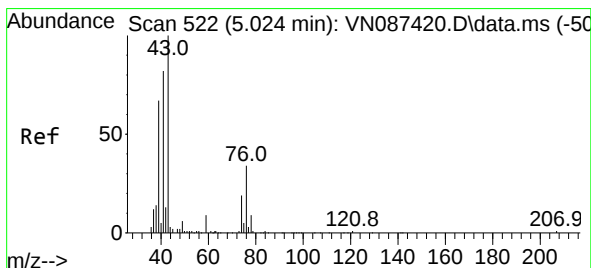
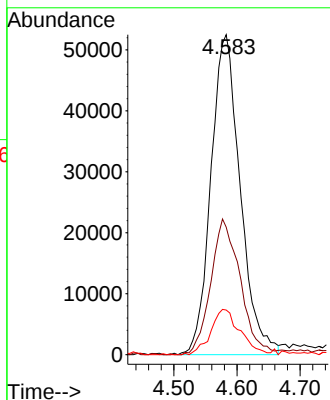
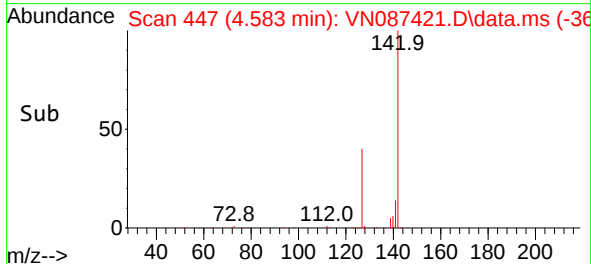
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:142 Resp: 169435
Ion Ratio Lower Upper
142 100
127 39.8 27.7 83.0
141 14.2 7.2 21.6

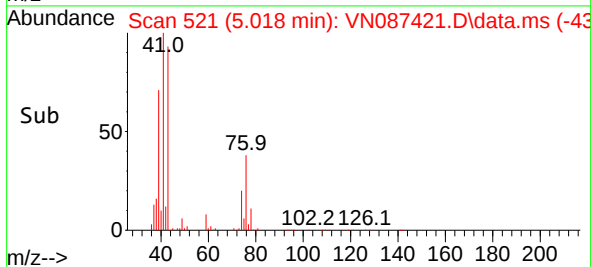
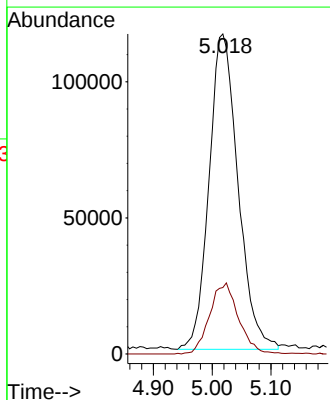
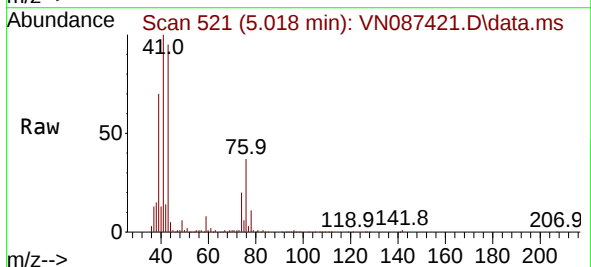
Manual Integrations
APPROVED

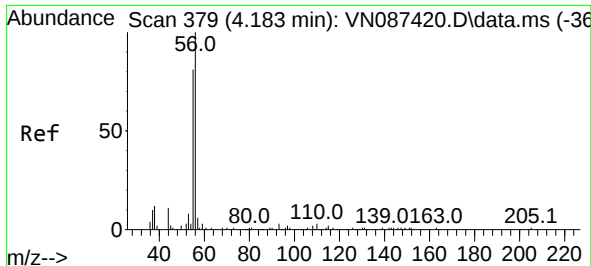
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#12
Methyl Acetate
Concen: 46.854 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

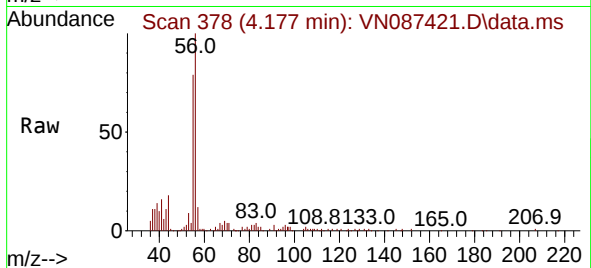
Tgt Ion: 43 Resp: 397450
Ion Ratio Lower Upper
43 100
74 20.9 16.9 25.3





#13
Acrolein
Concen: 88.340 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

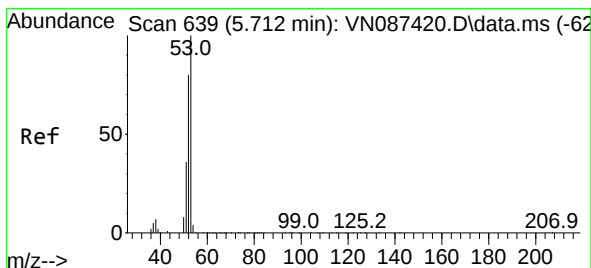
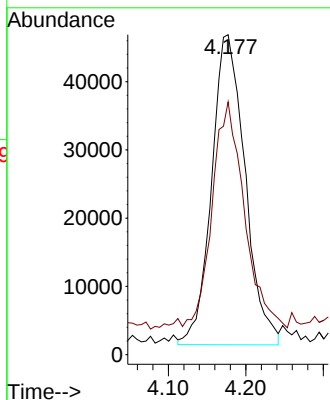
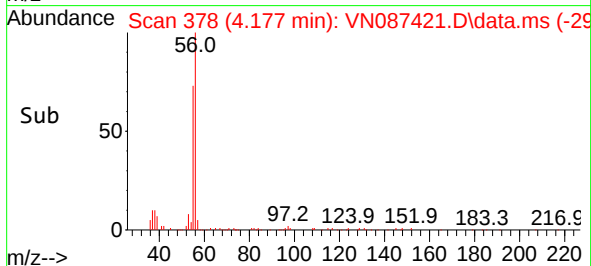
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 56 Resp: 13623
Ion Ratio Lower Upper
56 100
55 75.4 56.8 85.2

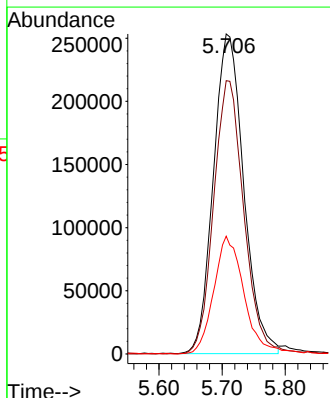
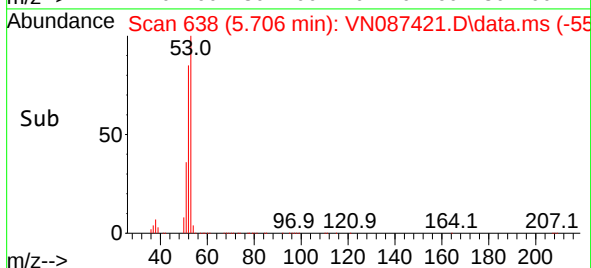
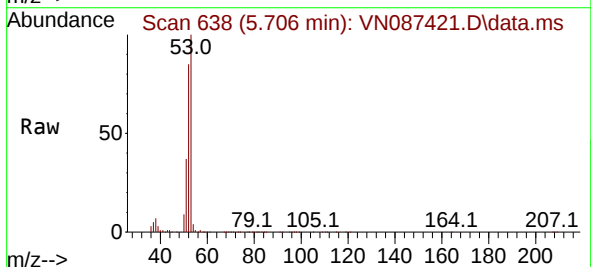
Manual Integrations
APPROVED

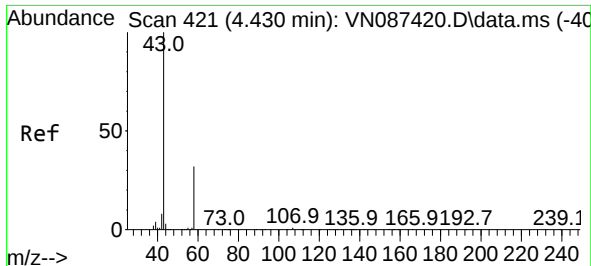
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#14
Acrylonitrile
Concen: 218.128 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

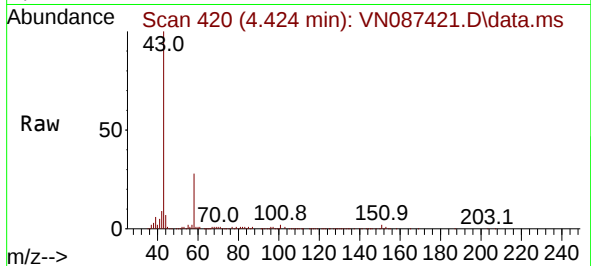
Tgt Ion: 53 Resp: 845001
Ion Ratio Lower Upper
53 100
52 85.0 41.5 124.6
51 36.8 19.4 58.4





#15
Acetone
Concen: 137.822 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

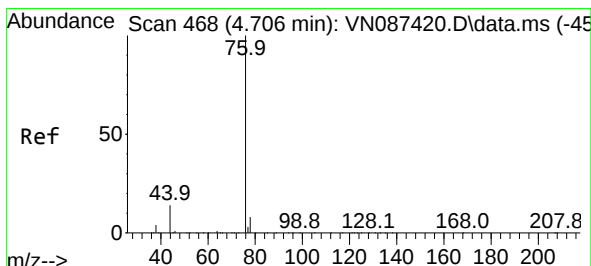
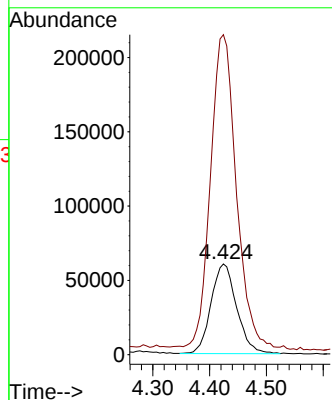
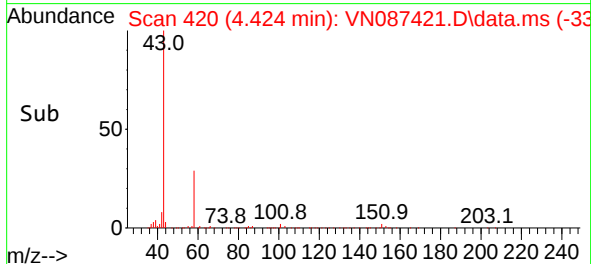
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



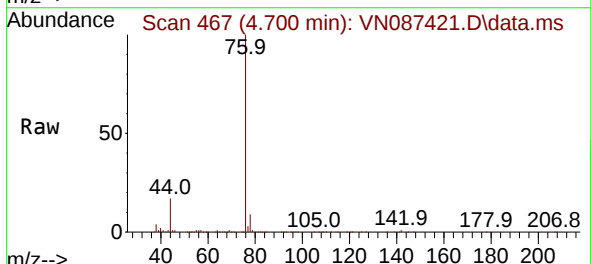
Tgt Ion: 58 Resp: 188498
Ion Ratio Lower Upper
58 100
43 349.0 283.4 425.0

Manual Integrations
APPROVED

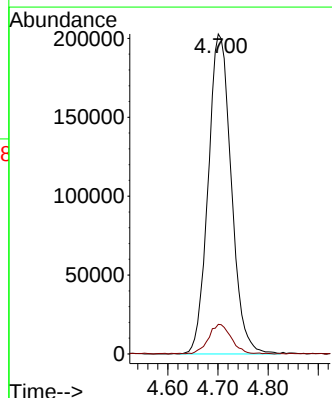
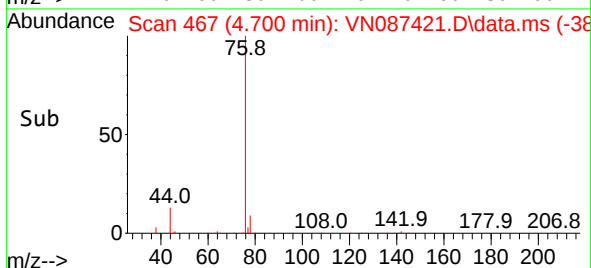
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

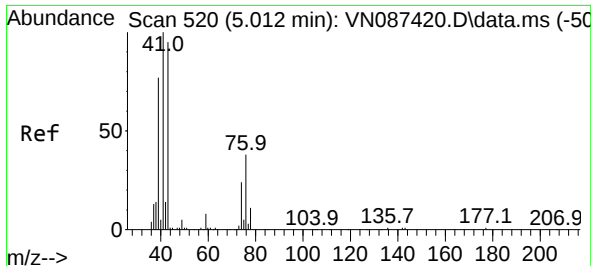


#16
Carbon Disulfide
Concen: 38.545 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27



Tgt Ion: 76 Resp: 649186
Ion Ratio Lower Upper
76 100
78 9.2 6.6 10.0





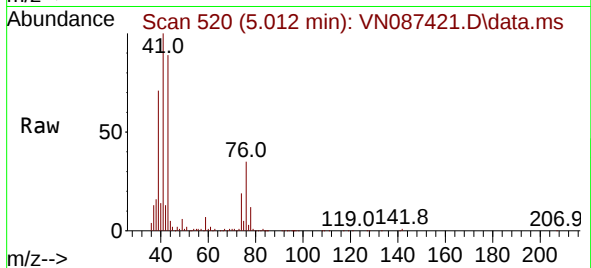
#17
 Allyl chloride
 Concen: 47.263 ug/l
 RT: 5.012 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN087421.D
 Acq: 28 Jul 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

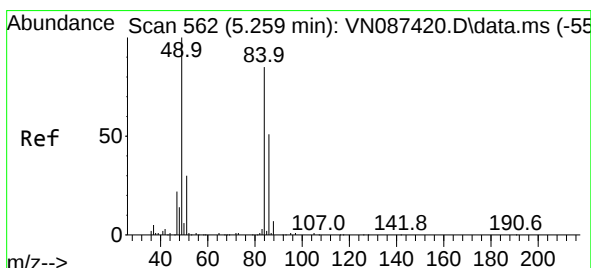
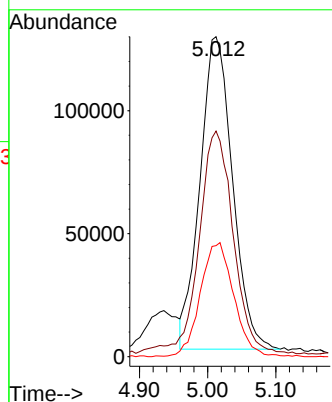
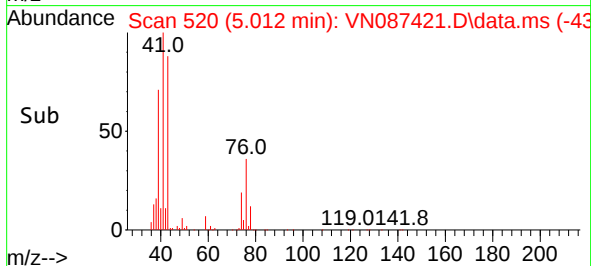
VSTDICC050



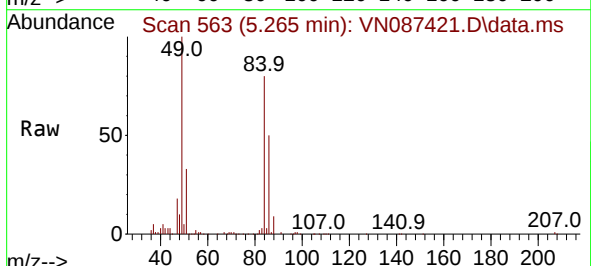
Tgt Ion: 41 Resp: 422244
 Ion Ratio Lower Upper
 41 100
 39 70.6 42.9 128.7
 76 35.3 19.8 59.4

Manual Integrations
 APPROVED

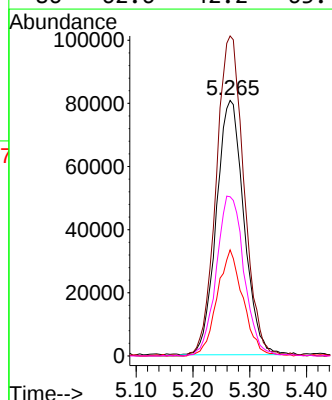
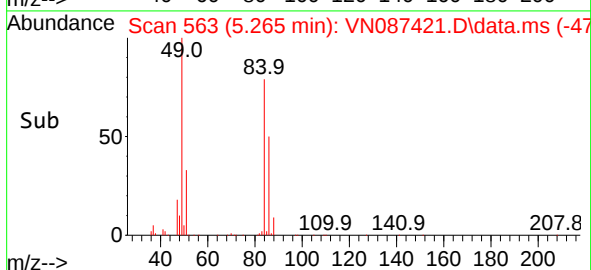
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/29/2025

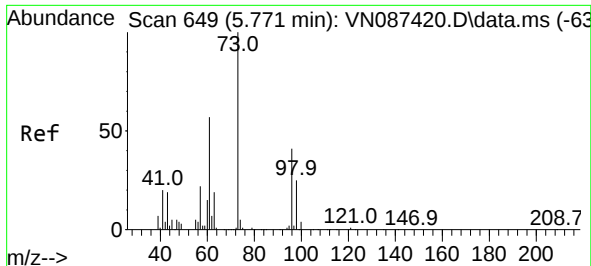


#18
 Methylene Chloride
 Concen: 41.076 ug/l
 RT: 5.265 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: VN087421.D
 Acq: 28 Jul 2025 10:27



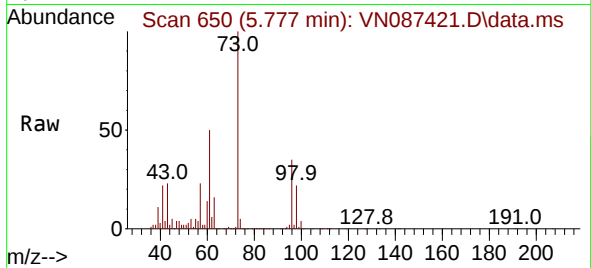
Tgt Ion: 84 Resp: 271116
 Ion Ratio Lower Upper
 84 100
 49 125.8 88.4 132.6
 51 41.5 27.3 40.9#
 86 62.6 42.2 63.4





#19
trans-1,2-Dichloroethene
Concen: 38.945 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

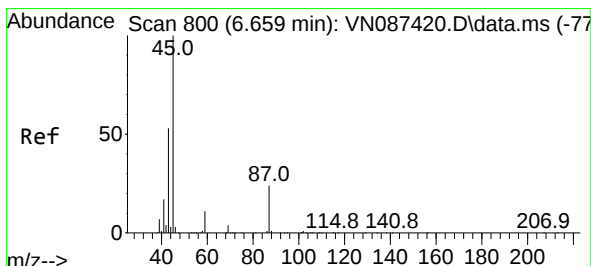
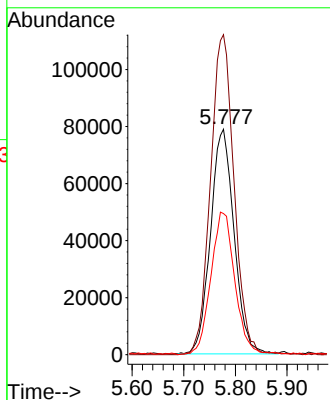
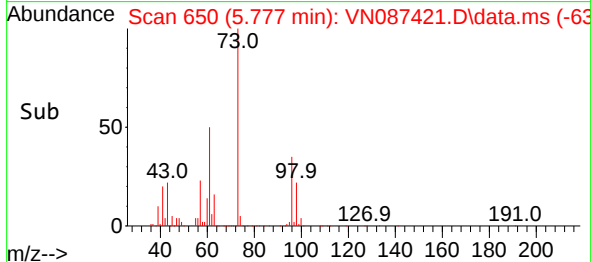
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 96 Resp: 249424
Ion Ratio Lower Upper
96 100
61 142.5 101.7 152.5
98 62.9 48.2 72.4

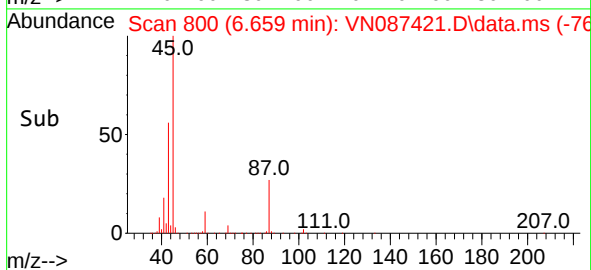
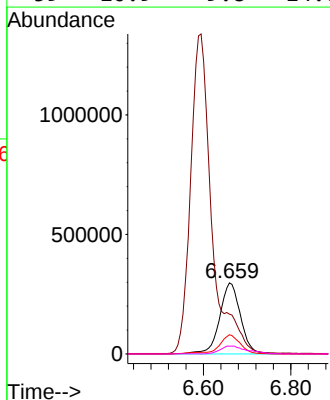
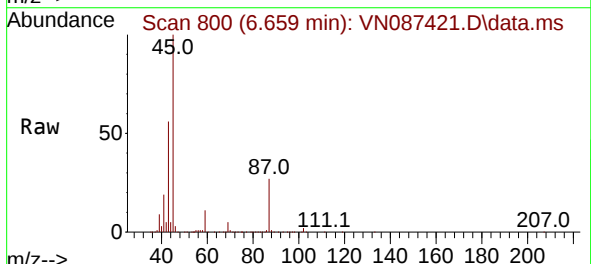
Manual Integrations
APPROVED

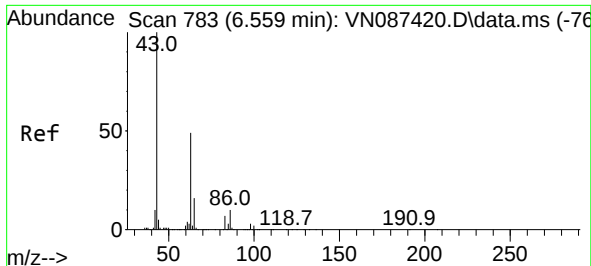
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#20
Diisopropyl ether
Concen: 43.310 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

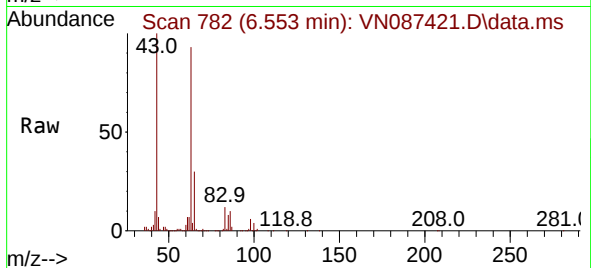
Tgt Ion: 45 Resp: 978423
Ion Ratio Lower Upper
45 100
43 55.0 46.0 69.0
87 26.9 23.4 35.2
59 10.9 9.8 14.6





#21
1,1-Dichloroethane
Concen: 40.689 ug/l
RT: 6.553 min Scan# 783
Delta R.T. -0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

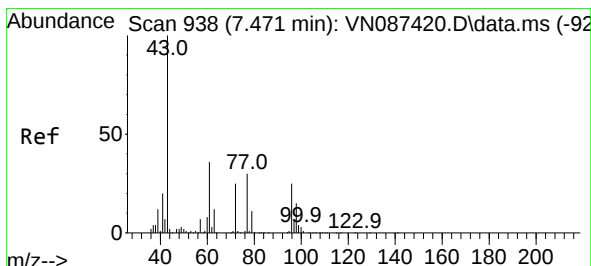
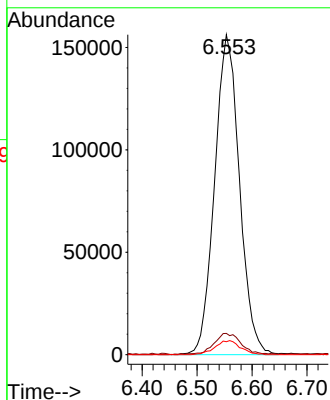
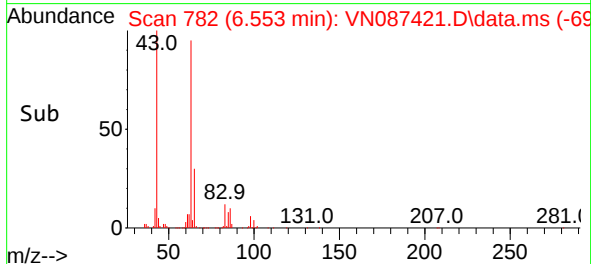
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



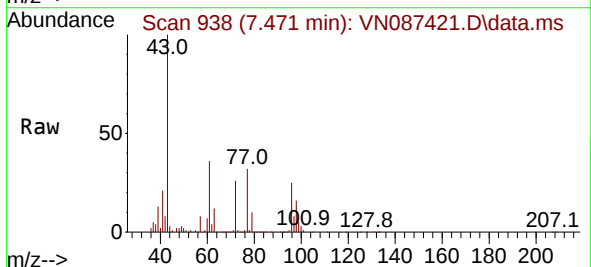
Tgt Ion: 63 Resp: 49096
Ion Ratio Lower Upper
63 100
98 6.5 2.9 8.6
100 4.1 3.6 10.8

Manual Integrations
APPROVED

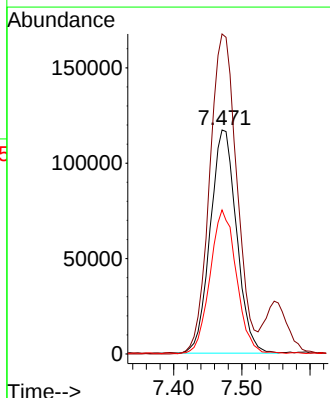
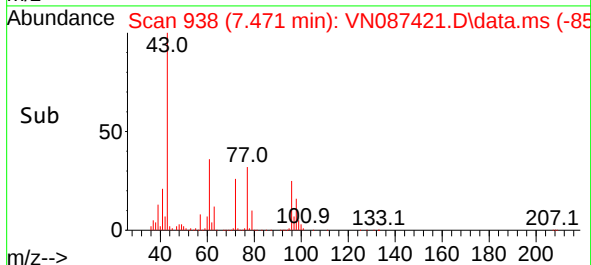
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

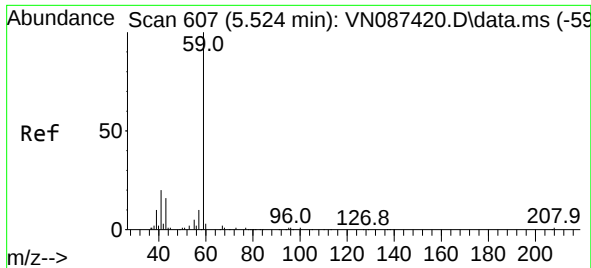


#22
cis-1,2-Dichloroethene
Concen: 41.947 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27



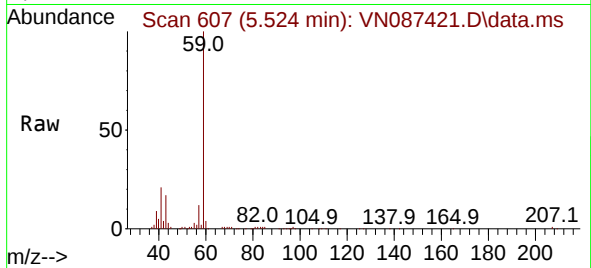
Tgt Ion: 96 Resp: 314681
Ion Ratio Lower Upper
96 100
61 148.7 120.4 180.6
98 64.4 54.0 81.0





#23
tert-Butyl Alcohol
Concen: 248.240 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

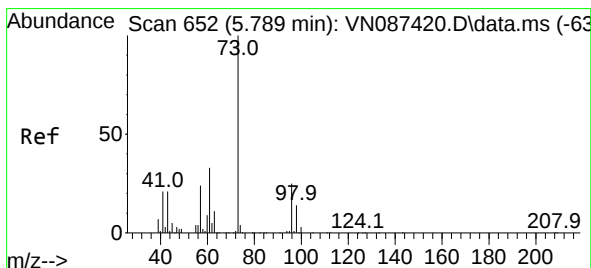
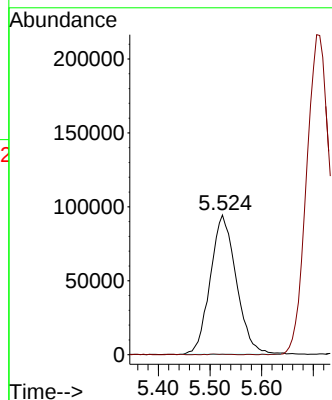
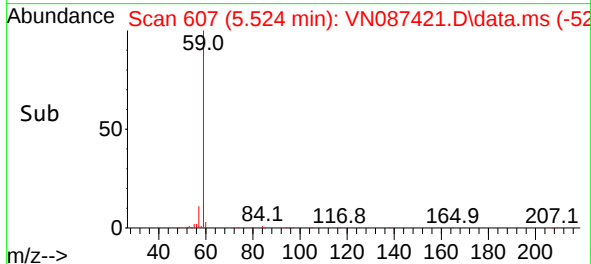
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 59 Resp: 329582
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

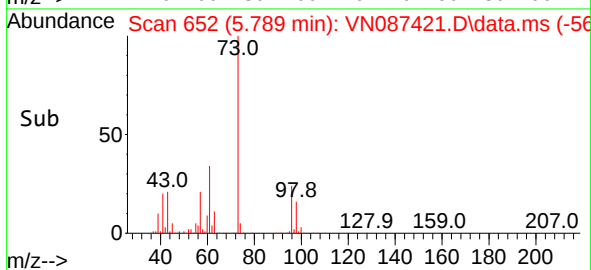
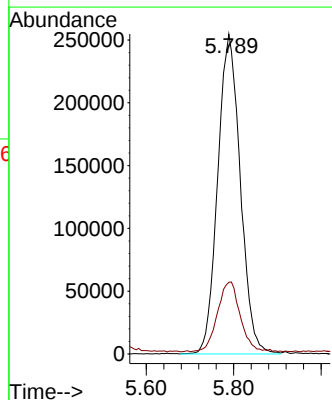
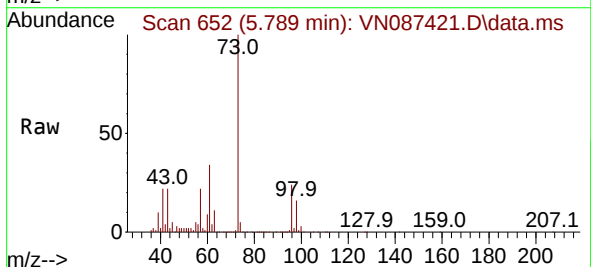
Manual Integrations
APPROVED

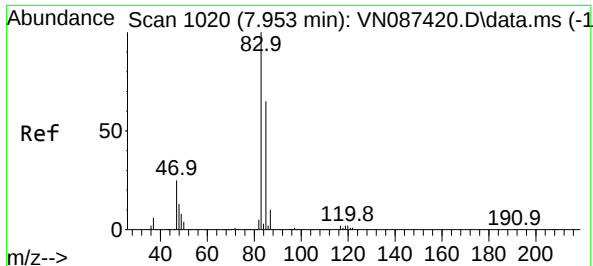
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#24
Methyl tert-Butyl Ether
Concen: 43.327 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

Tgt Ion: 73 Resp: 913143
Ion Ratio Lower Upper
73 100
43 21.8 17.7 26.5





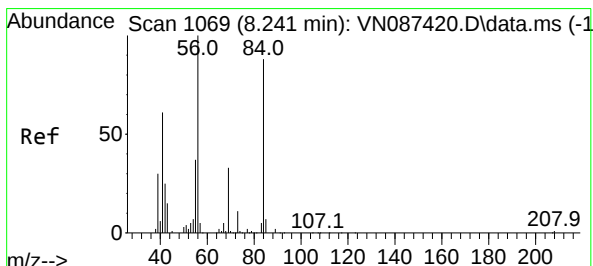
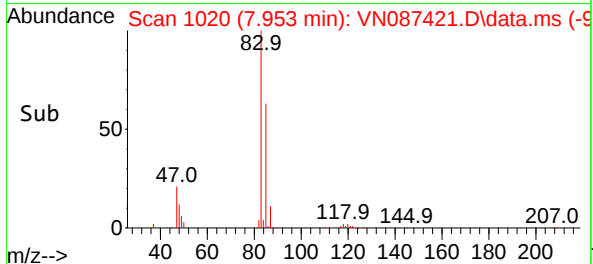
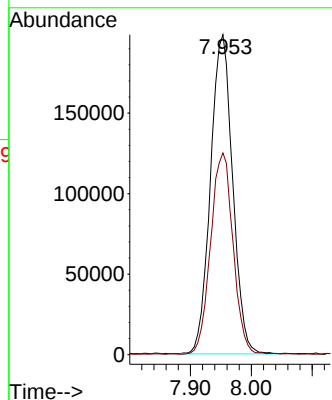
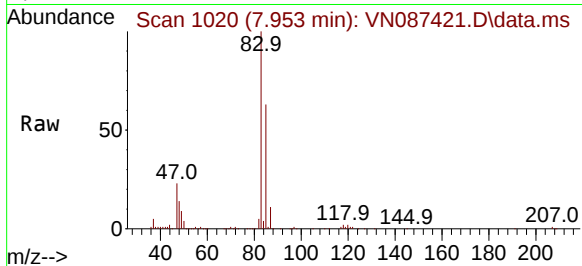
#25
Chloroform
Concen: 37.880 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 83 Resp: 50060
Ion Ratio Lower Upper
83 100
85 63.0 48.6 73.0

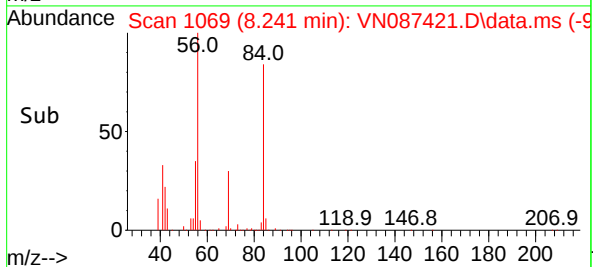
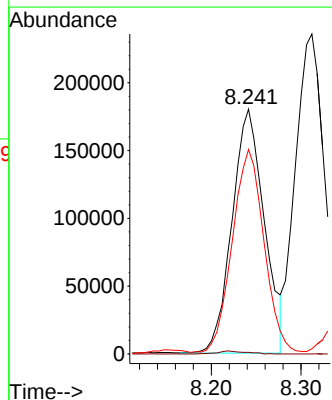
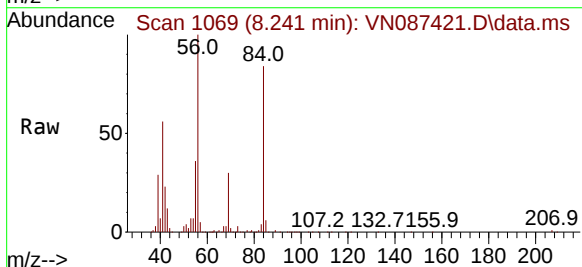
Manual Integrations
APPROVED

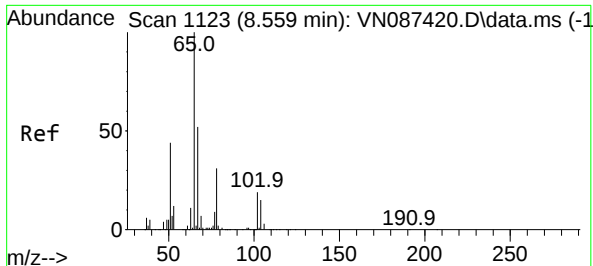
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#26
Cyclohexane
Concen: 49.926 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

Tgt Ion: 56 Resp: 449110
Ion Ratio Lower Upper
56 100
89 0.0 1.5 2.3#
84 82.5 71.2 106.8





#27

1,2-Dichloroethane-d4

Concen: 27.296 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087421.D

Acq: 28 Jul 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 65 Resp: 23425

Ion Ratio Lower Upper

65 100

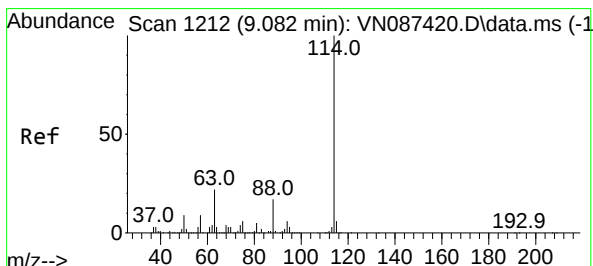
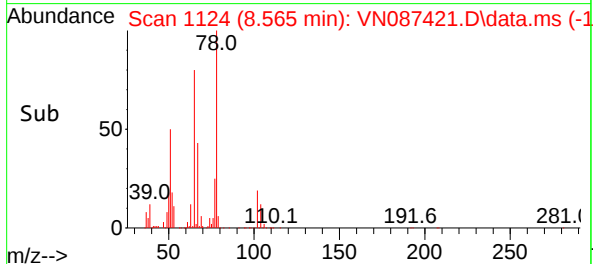
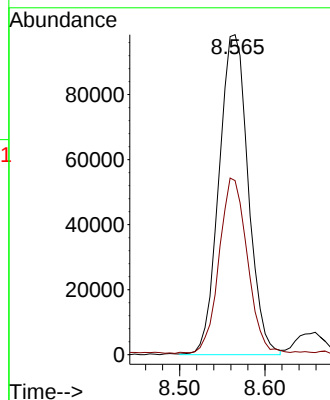
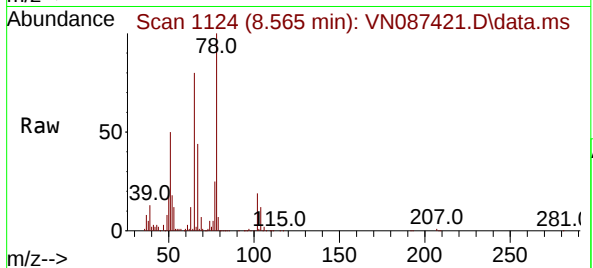
67 52.8 40.2 60.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087421.D

Acq: 28 Jul 2025 10:27

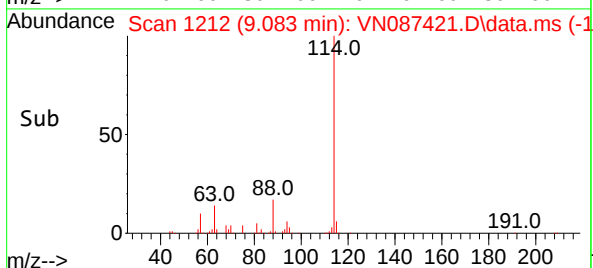
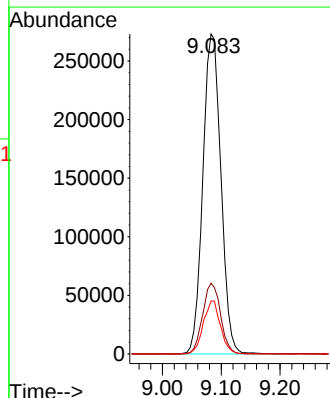
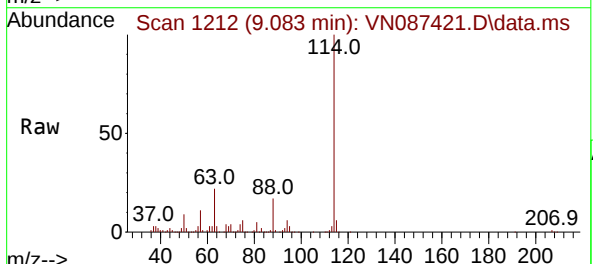
Tgt Ion:114 Resp: 582372

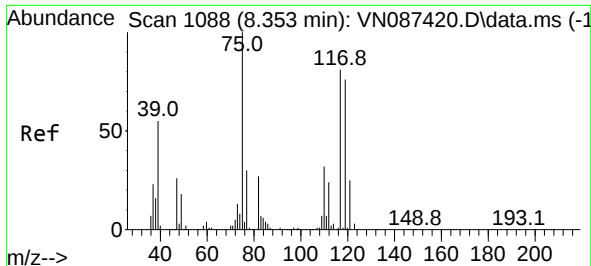
Ion Ratio Lower Upper

114 100

63 21.8 16.8 25.2

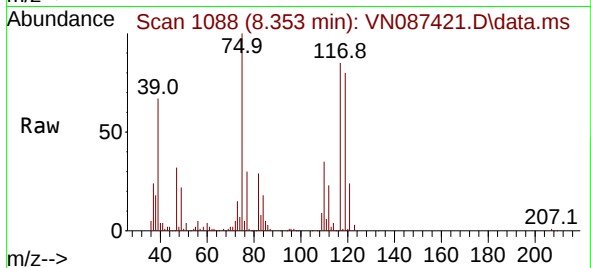
88 15.8 12.5 18.7





#29
1,1-Dichloropropene
Concen: 34.154 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

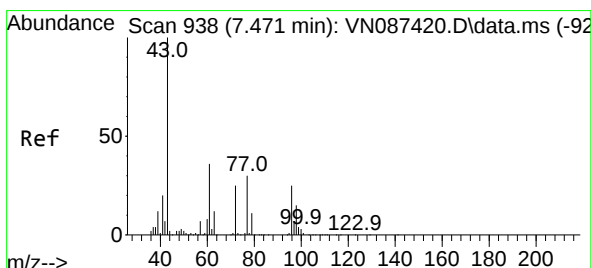
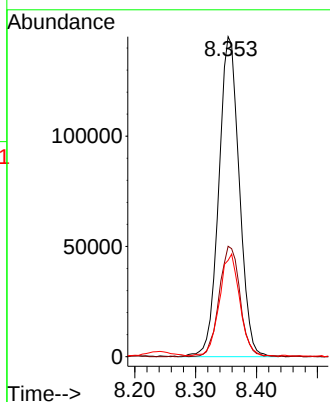
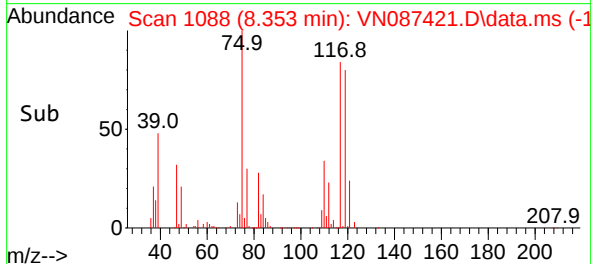
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 75 Resp: 339352
Ion Ratio Lower Upper
75 100
110 35.1 0.0 66.4
77 31.7 0.0 61.6

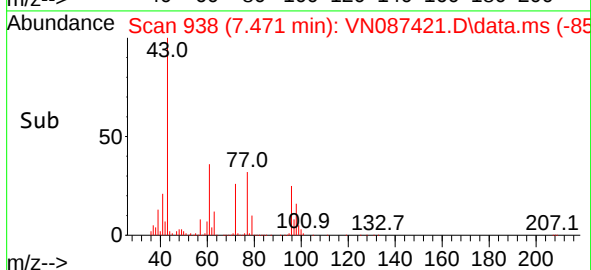
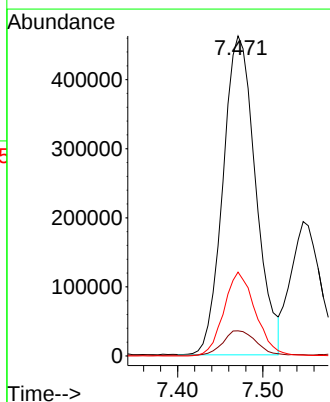
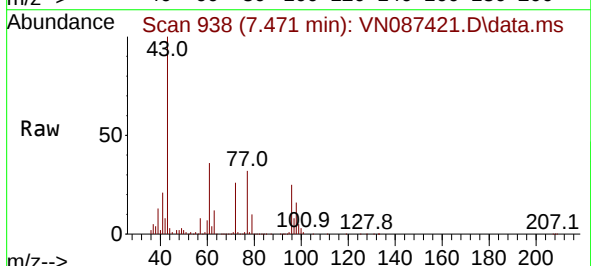
Manual Integrations
APPROVED

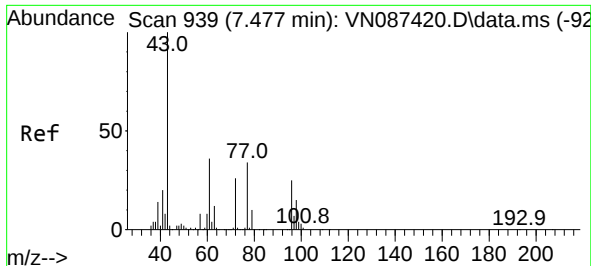
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#30
2-Butanone
Concen: 182.123 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

Tgt Ion: 43 Resp: 1232374
Ion Ratio Lower Upper
43 100
57 7.6 6.6 9.8
72 25.4 20.6 30.8





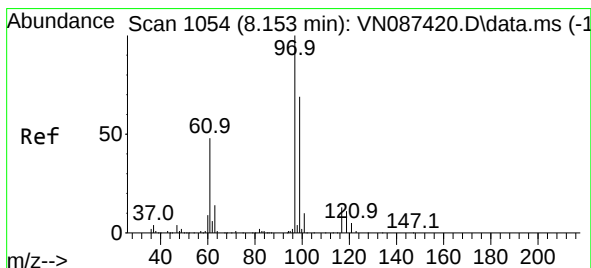
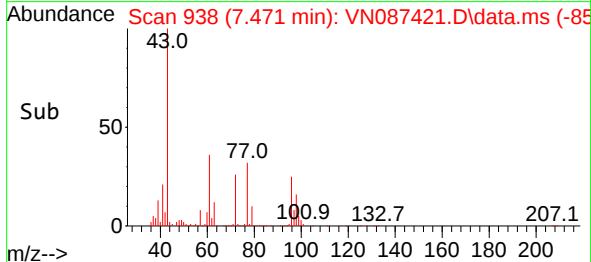
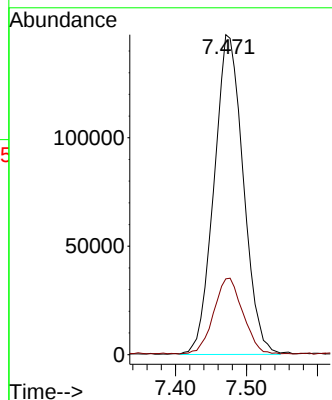
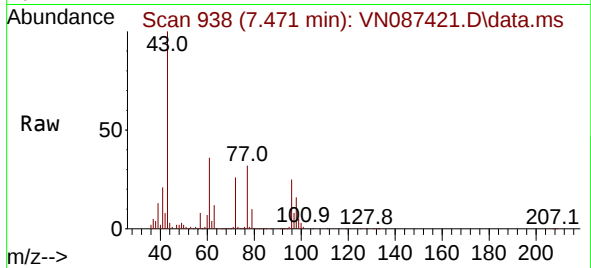
#31
2,2-Dichloropropane
Concen: 32.246 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 77 Resp: 420772
Ion Ratio Lower Upper
77 100
97 23.7 17.1 25.7

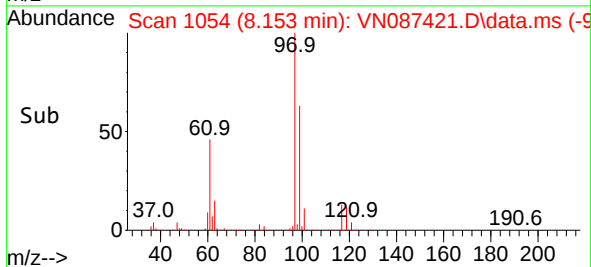
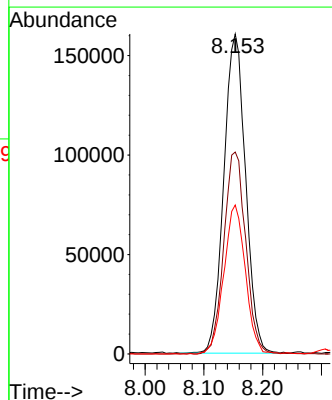
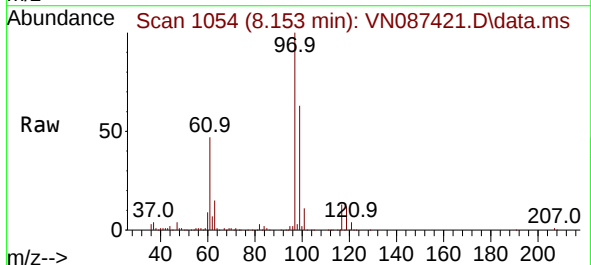
Manual Integrations
APPROVED

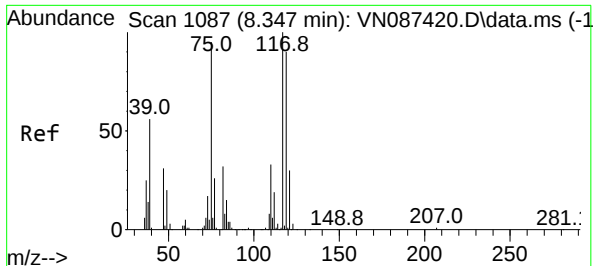
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#32
1,1,1-Trichloroethane
Concen: 31.684 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

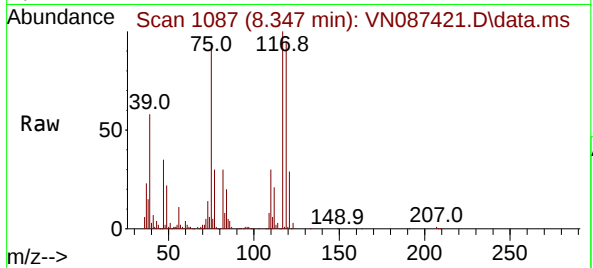
Tgt Ion: 97 Resp: 412028
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 46.2 36.1 54.1





#33
Carbon Tetrachloride
Concen: 30.376 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

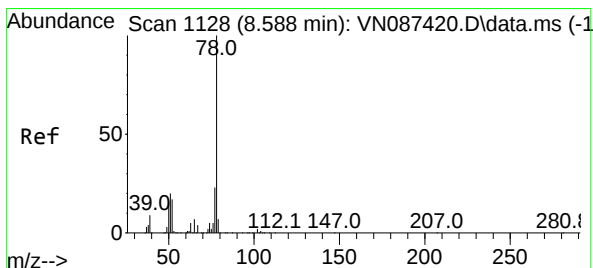
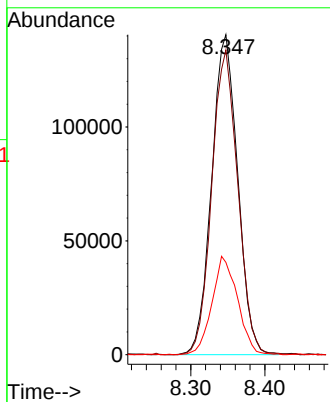
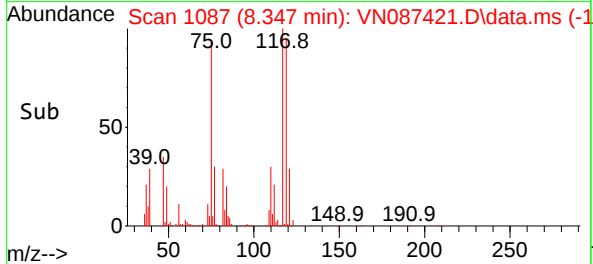
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



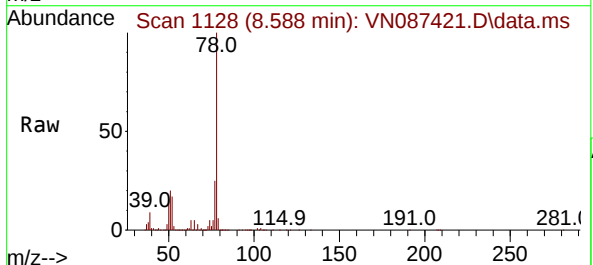
Tgt Ion:117 Resp: 343168
Ion Ratio Lower Upper
117 100
119 95.1 72.7 109.1
121 28.9 21.1 31.7

Manual Integrations
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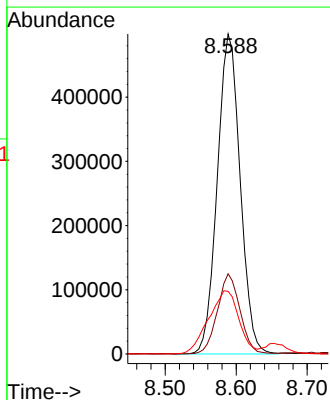
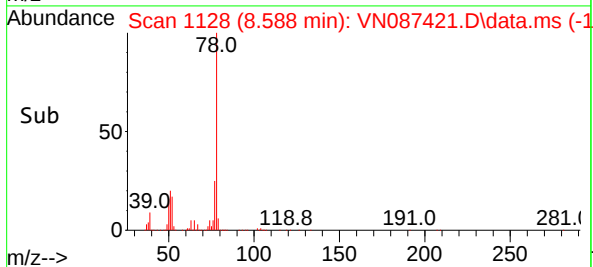
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

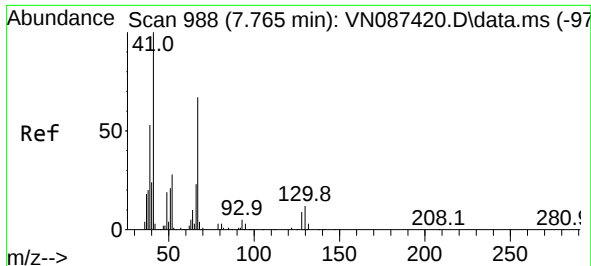


#34
Benzene
Concen: 34.717 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27



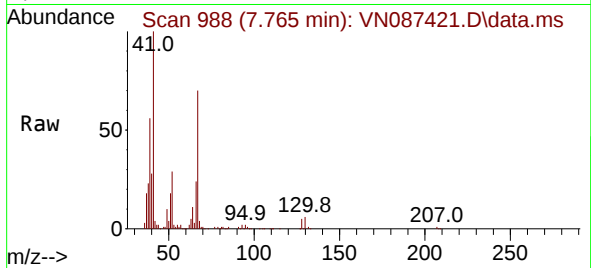
Tgt Ion: 78 Resp: 1114078
Ion Ratio Lower Upper
78 100
77 25.0 18.2 27.2
51 19.4 13.8 20.8





#35
Methacrylonitrile
Concen: 38.938 ug/l
RT: 7.765 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

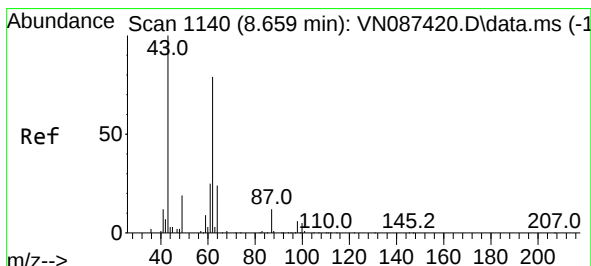
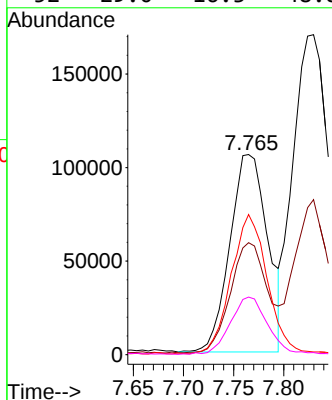
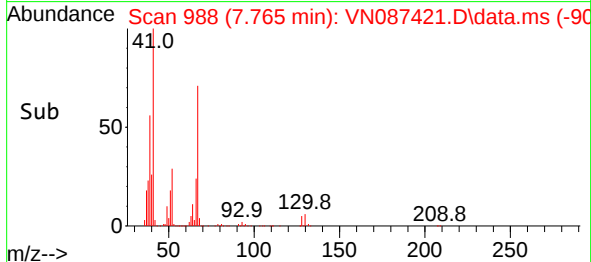
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



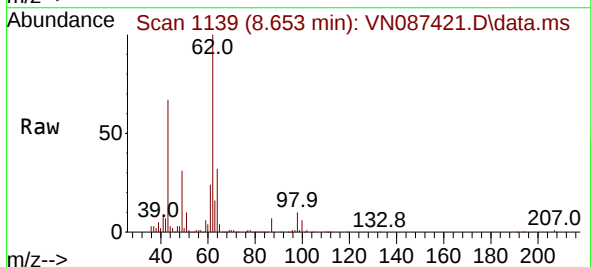
Tgt Ion: 41 Resp: 277074
Ion Ratio Lower Upper
41 100
39 55.7 31.0 93.0
67 70.1 36.8 110.3
52 29.0 16.3 48.8

Manual Integrations
APPROVED

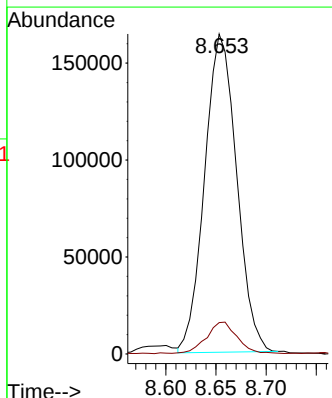
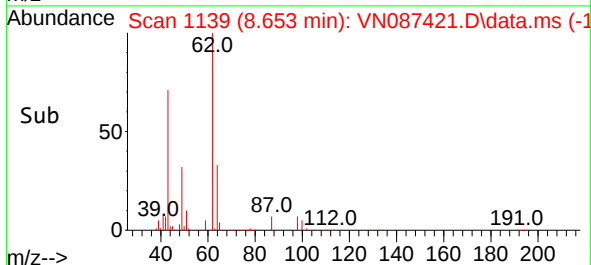
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

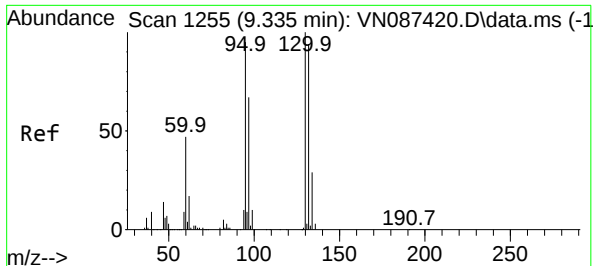


#36
1,2-Dichloroethane
Concen: 28.825 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27



Tgt Ion: 62 Resp: 364910
Ion Ratio Lower Upper
62 100
98 9.3 6.6 9.8





#37

Trichloroethene

Concen: 34.729 ug/l

RT: 9.335 min Scan# 1255

Delta R.T. 0.000 min

Lab File: VN087421.D

Acq: 28 Jul 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion:130 Resp: 25433

Ion Ratio Lower Upper

130 100

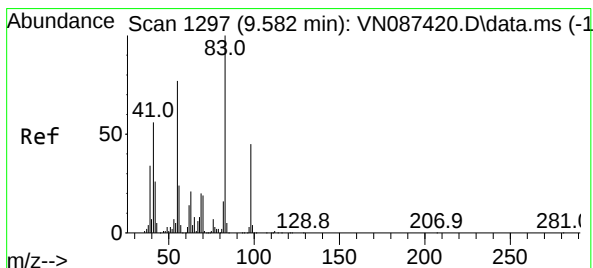
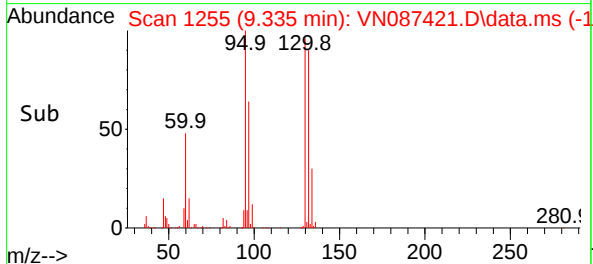
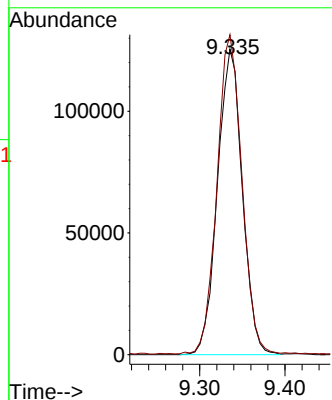
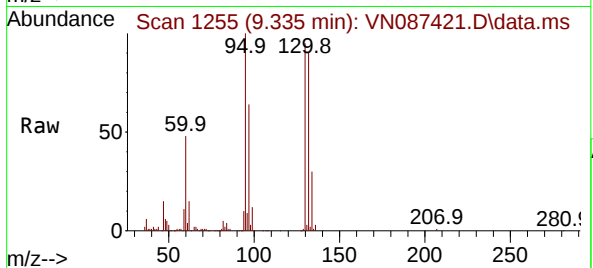
95 104.4 82.4 123.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025



#38

Methylcyclohexane

Concen: 42.104 ug/l

RT: 9.583 min Scan# 1297

Delta R.T. 0.000 min

Lab File: VN087421.D

Acq: 28 Jul 2025 10:27

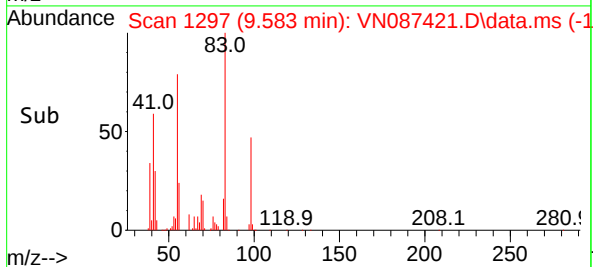
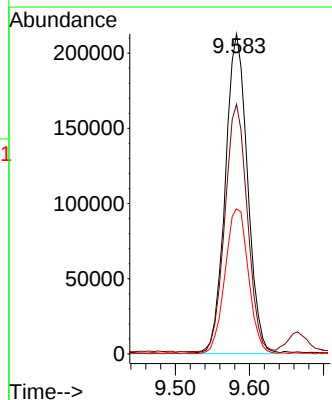
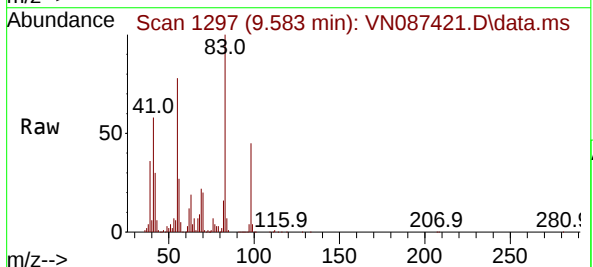
Tgt Ion: 83 Resp: 442244

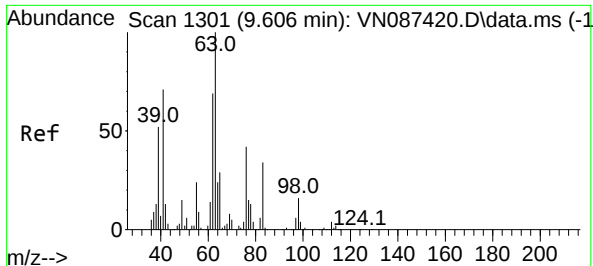
Ion Ratio Lower Upper

83 100

55 78.2 40.9 122.8

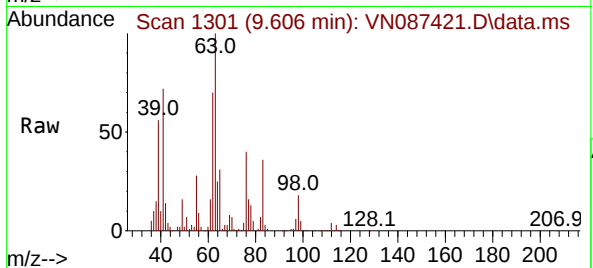
98 48.0 25.6 76.6





#39
1,2-Dichloropropane
Concen: 35.545 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

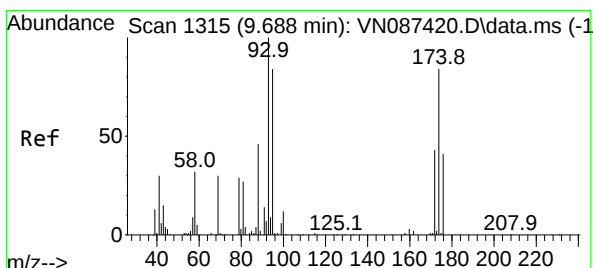
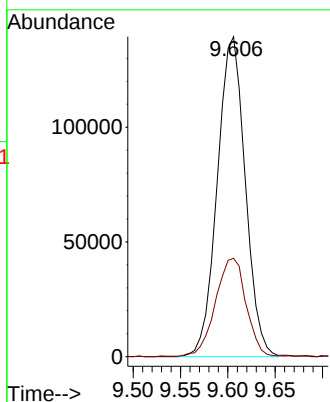
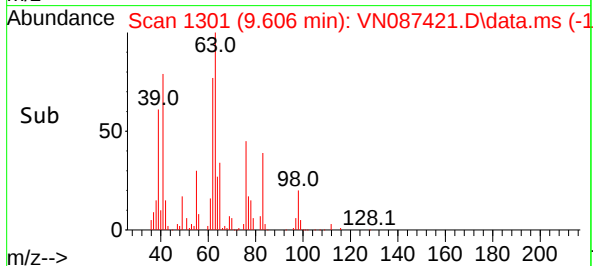
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



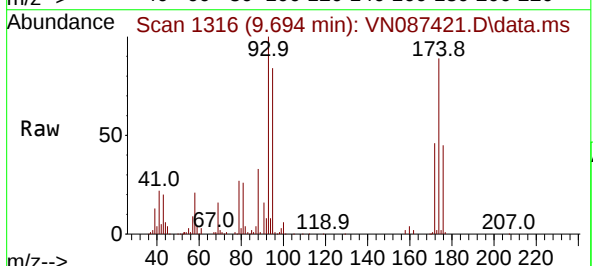
Tgt Ion: 63 Resp: 28655
Ion Ratio Lower Upper
63 100
65 30.6 26.1 39.1

Manual Integrations
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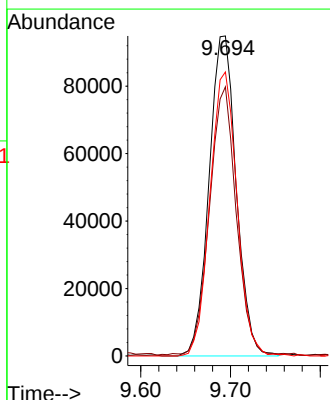
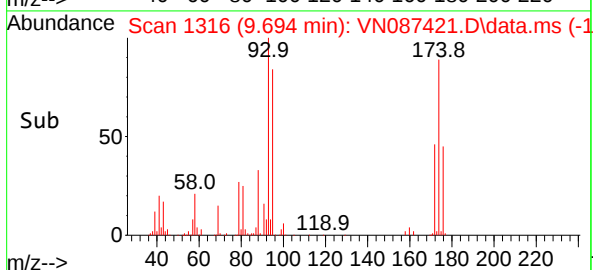
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

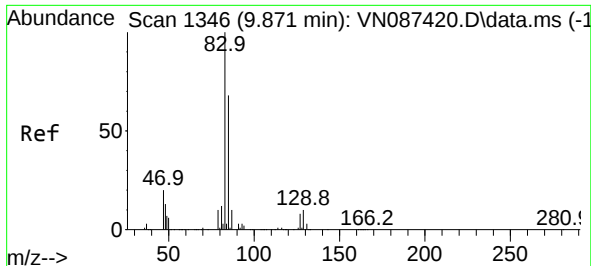


#40
Dibromomethane
Concen: 32.014 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27



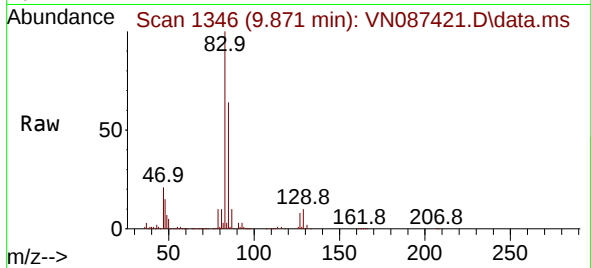
Tgt Ion: 93 Resp: 199678
Ion Ratio Lower Upper
93 100
95 82.3 0.0 161.8
174 88.0 0.0 177.6





#41
Bromodichloromethane
Concen: 32.851 ug/l
RT: 9.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

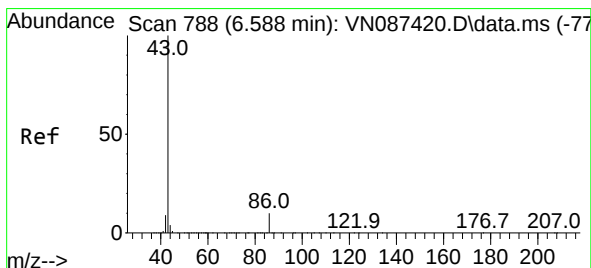
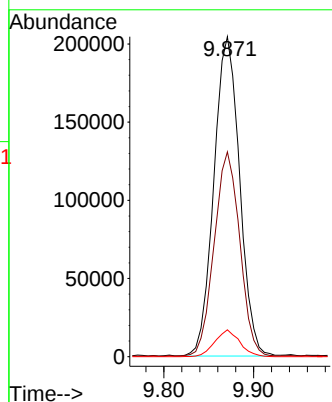
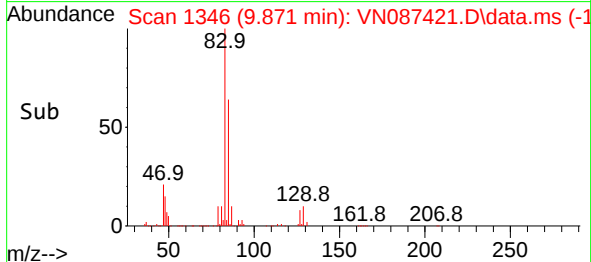
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 83 Resp: 406835
Ion Ratio Lower Upper
83 100
85 63.8 46.2 69.2
127 8.4 6.1 9.1

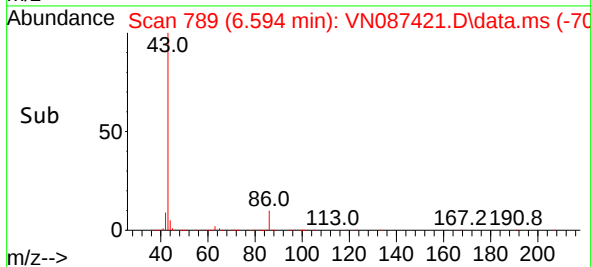
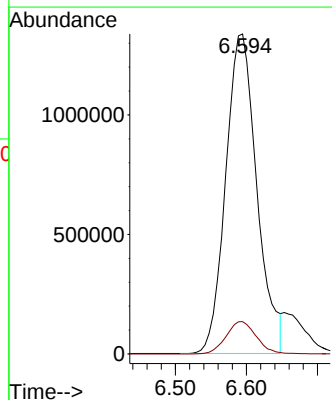
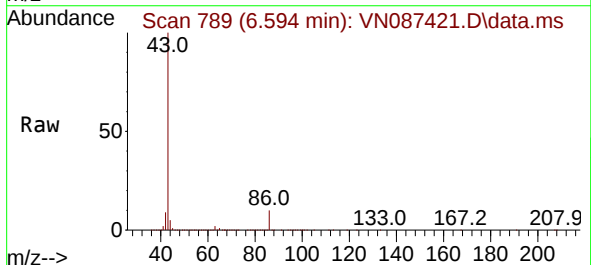
Manual Integrations
APPROVED

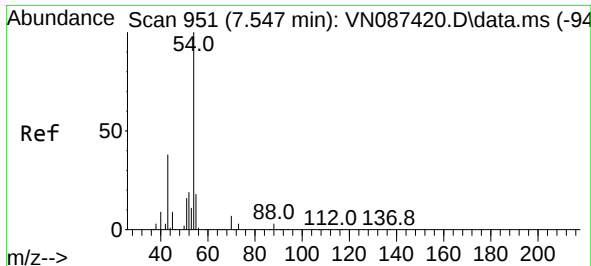
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#42
Vinyl Acetate
Concen: 177.937 ug/l
RT: 6.594 min Scan# 789
Delta R.T. 0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

Tgt Ion: 43 Resp: 4078744
Ion Ratio Lower Upper
43 100
86 9.9 8.1 12.1





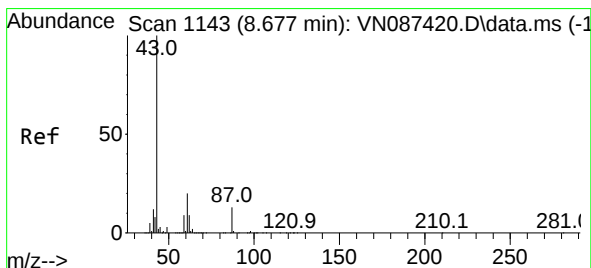
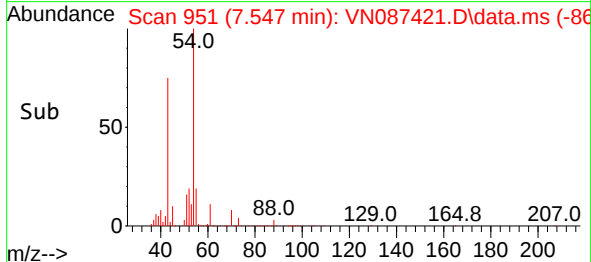
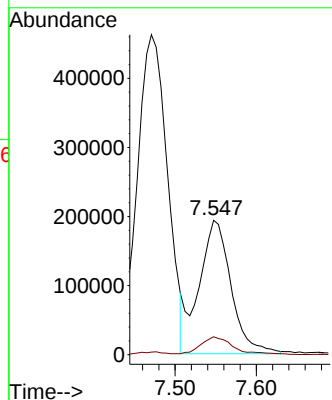
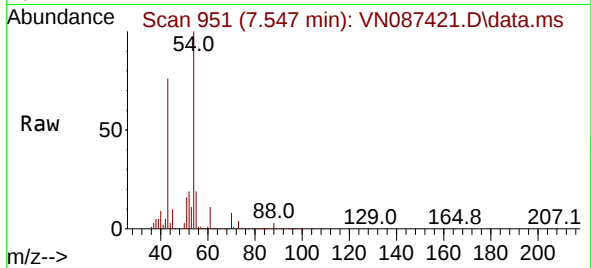
#43
Ethyl Acetate
Concen: 38.446 ug/l m
RT: 7.547 min Scan# 951
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 43 Resp: 529612
Ion Ratio Lower Upper
43 100
45 0.0 5.6 8.4

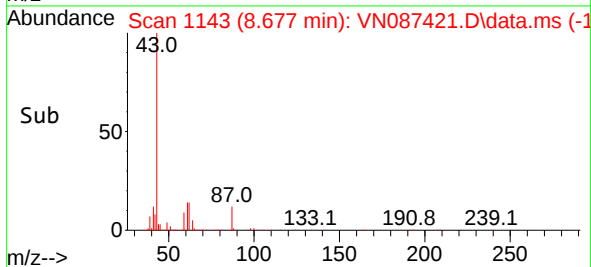
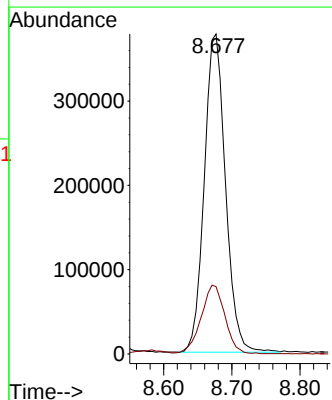
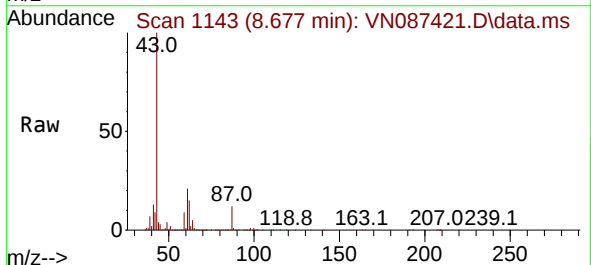
Manual Integrations
APPROVED

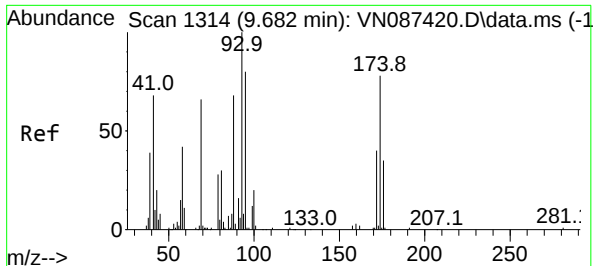
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#44
Isopropyl Acetate
Concen: 37.640 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

Tgt Ion: 43 Resp: 818584
Ion Ratio Lower Upper
43 100
61 24.4 20.1 30.1





#45

1,4-Dioxane

Concen: 739.755 ug/l

RT: 9.683 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VN087421.D

Acq: 28 Jul 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 88 Resp: 99119

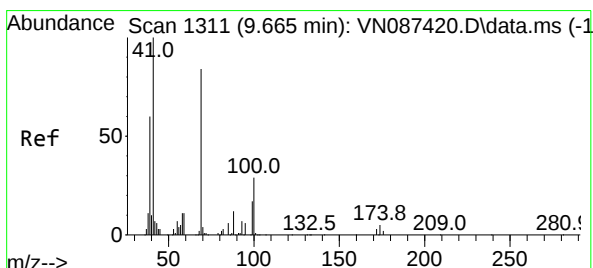
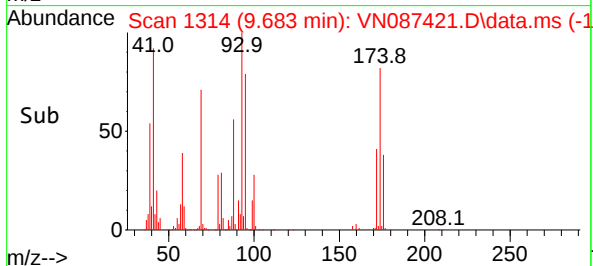
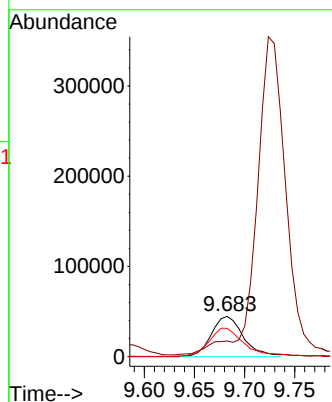
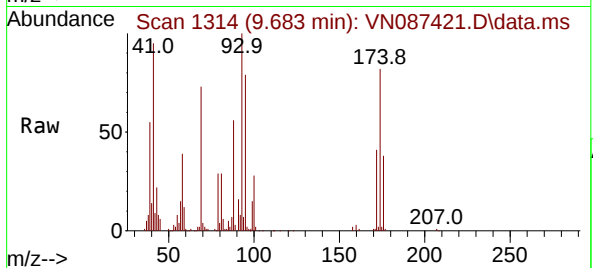
Ion	Ratio	Lower	Upper
88	100		
43	30.2	29.6	44.4
58	77.1	23.5	35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025



#46

Methyl methacrylate

Concen: 38.710 ug/l

RT: 9.665 min Scan# 1311

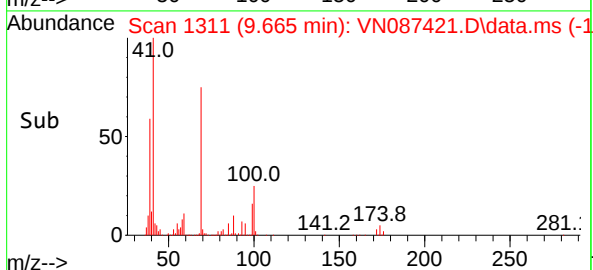
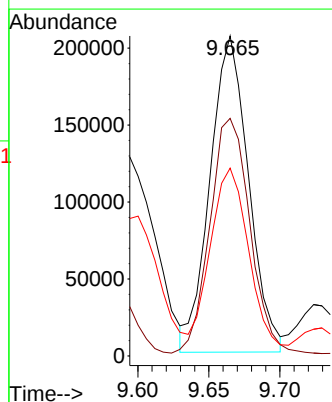
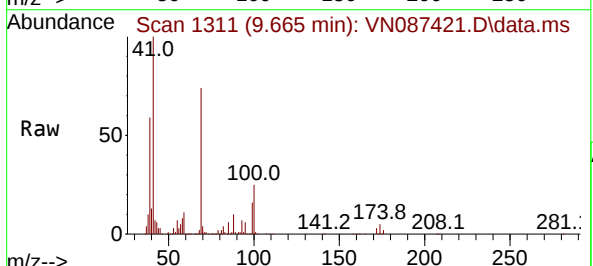
Delta R.T. 0.000 min

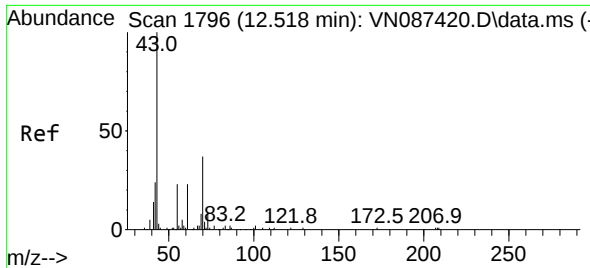
Lab File: VN087421.D

Acq: 28 Jul 2025 10:27

Tgt Ion: 41 Resp: 387675

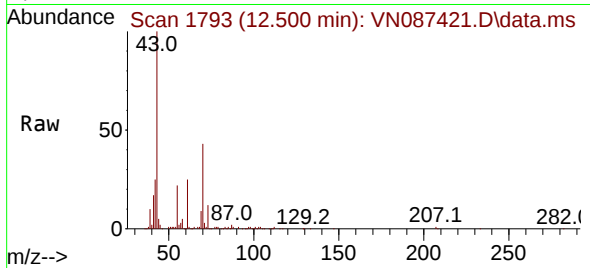
Ion	Ratio	Lower	Upper
41	100		
69	76.8	39.5	118.5
39	58.7	31.6	94.7





#47
n-amy1 Acetate
Concen: 30.027 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.012 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

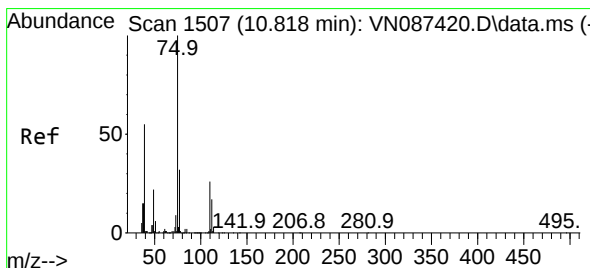
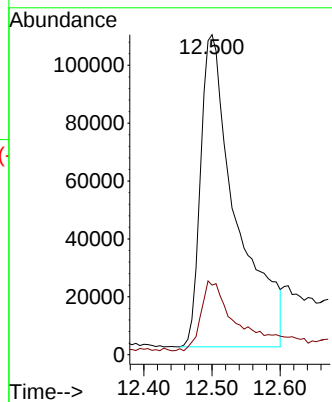
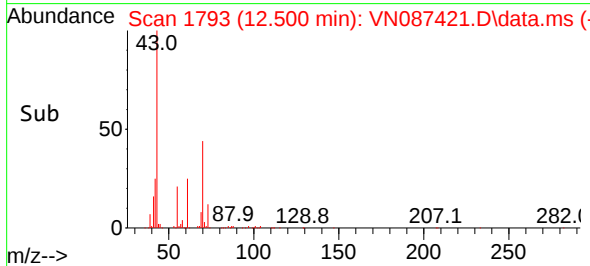
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 43 Resp: 391335
Ion Ratio Lower Upper
43 100
55 17.2 0.6 0.8

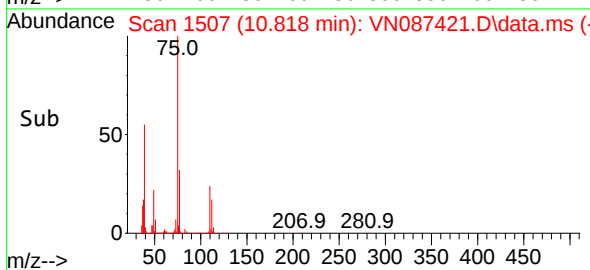
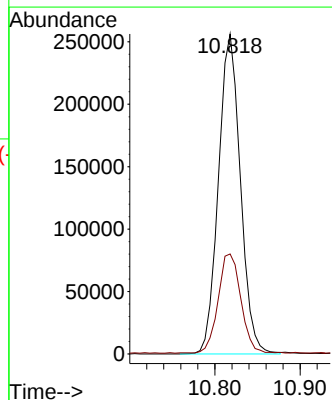
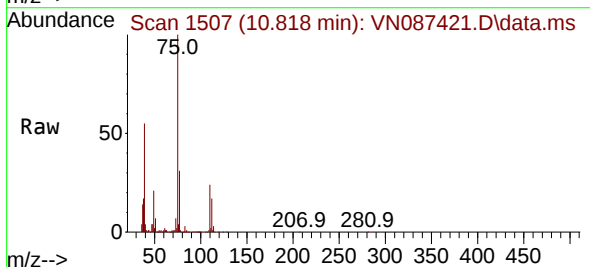
Manual Integrations
APPROVED

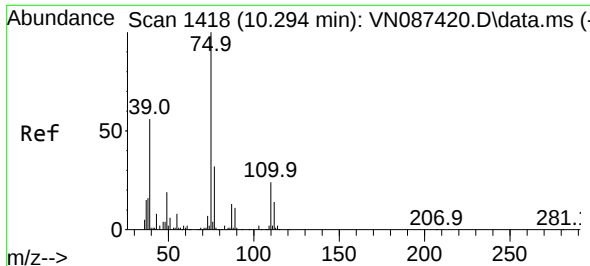
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#48
t-1,3-Dichloropropene
Concen: 34.790 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

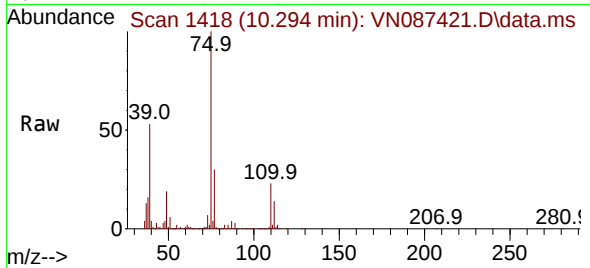
Tgt Ion: 75 Resp: 459614
Ion Ratio Lower Upper
75 100
77 30.9 23.6 35.4





#49
 cis-1,3-Dichloropropene
 Concen: 36.883 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VN087421.D
 Acq: 28 Jul 2025 10:27

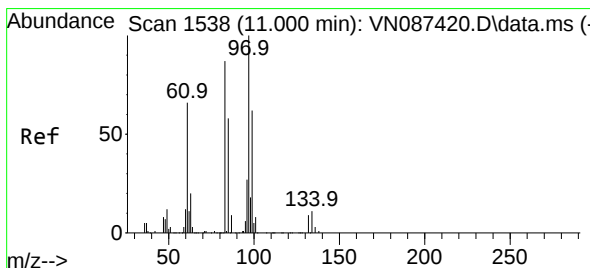
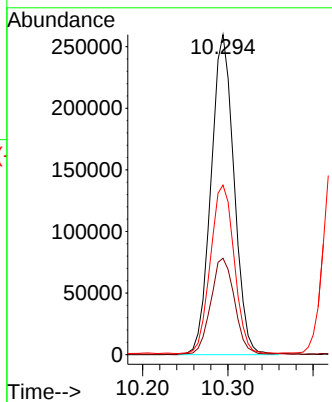
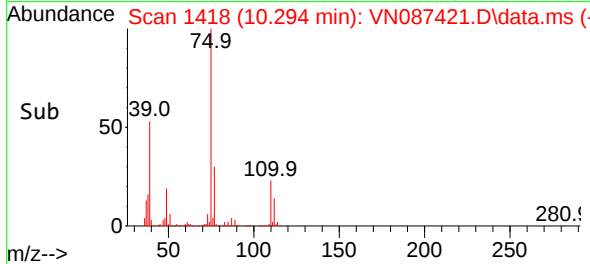
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050



Tgt Ion: 75 Resp: 487320
 Ion Ratio Lower Upper
 75 100
 77 29.9 27.4 41.0
 39 52.6 46.3 69.5

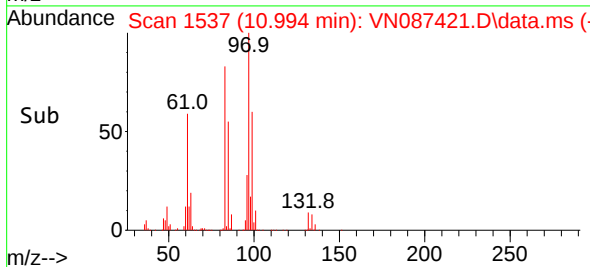
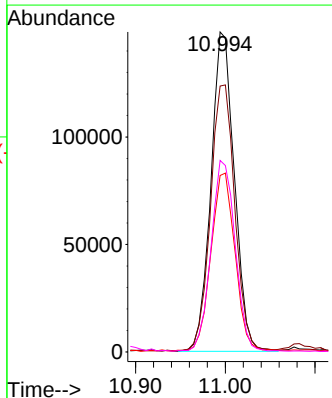
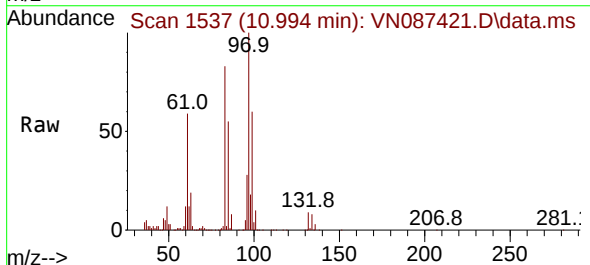
Manual Integrations
 APPROVED

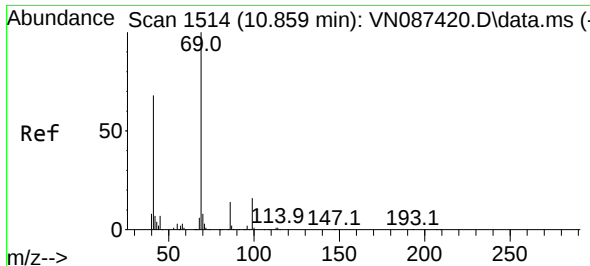
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/29/2025



#50
 1,1,2-Trichloroethane
 Concen: 33.367 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.000 min
 Lab File: VN087421.D
 Acq: 28 Jul 2025 10:27

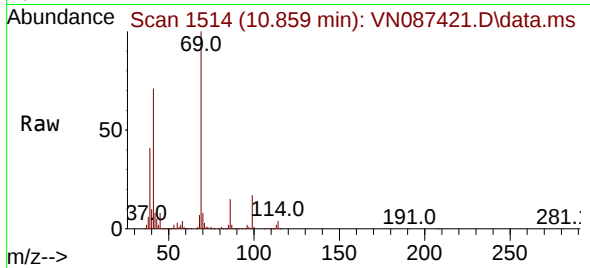
Tgt Ion: 97 Resp: 268781
 Ion Ratio Lower Upper
 97 100
 83 82.9 68.9 103.3
 85 54.8 42.2 63.2
 99 59.6 42.5 63.7





#51
Ethyl methacrylate
Concen: 40.086 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

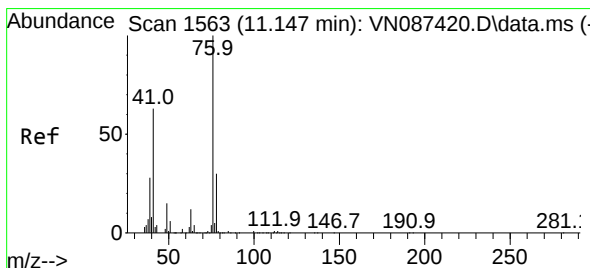
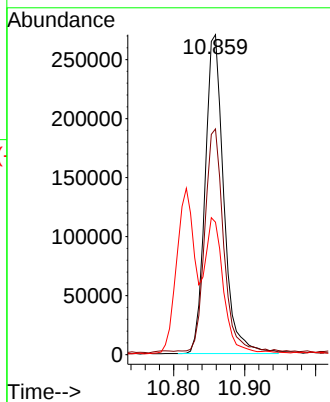
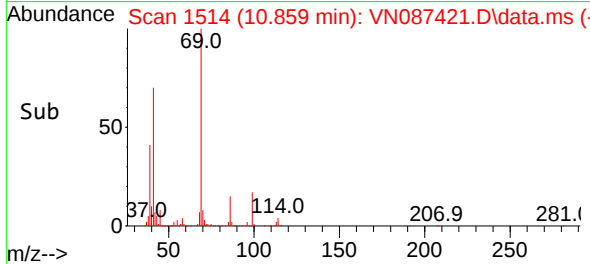
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 69 Resp: 493799
Ion Ratio Lower Upper
69 100
41 69.6 33.7 101.1
39 40.7 21.6 65.0

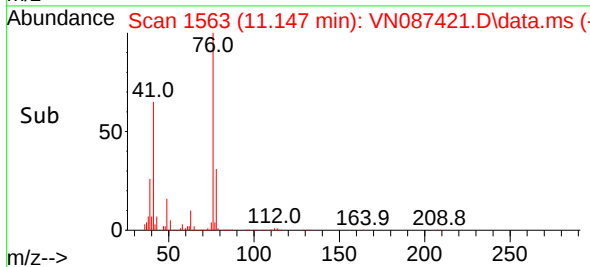
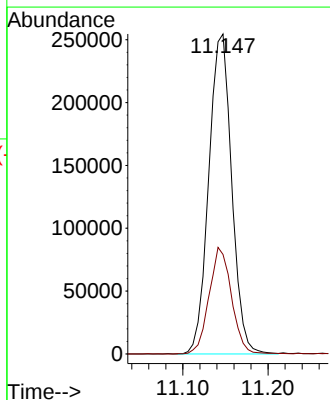
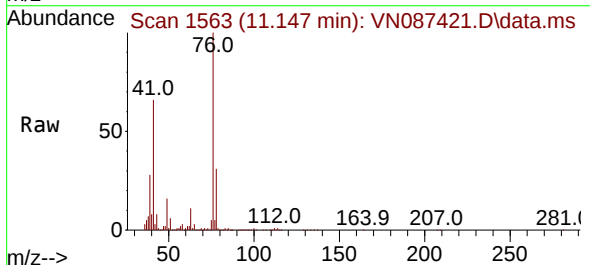
Manual Integrations
APPROVED

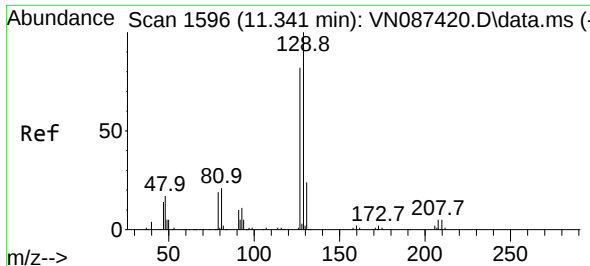
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#52
1,3-Dichloropropane
Concen: 34.345 ug/l
RT: 11.147 min Scan# 1563
Delta R.T. 0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

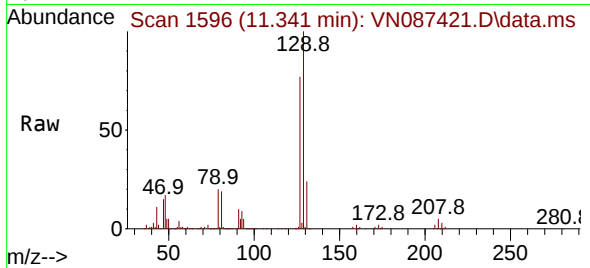
Tgt Ion: 76 Resp: 475675
Ion Ratio Lower Upper
76 100
78 32.6 0.0 67.4





#53
Dibromochloromethane
Concen: 33.112 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

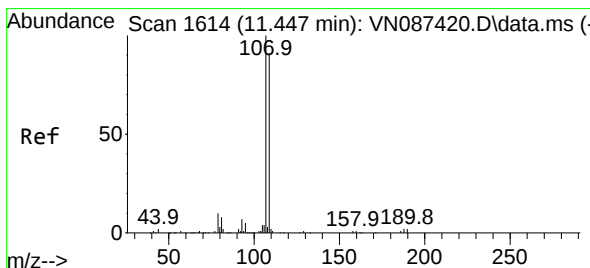
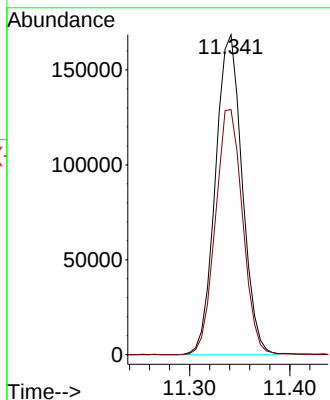
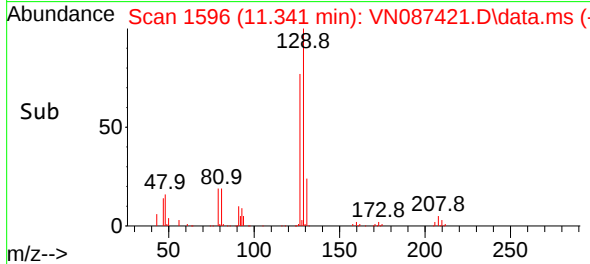
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:129 Resp: 312618
Ion Ratio Lower Upper
129 100
127 77.9 38.7 116.1

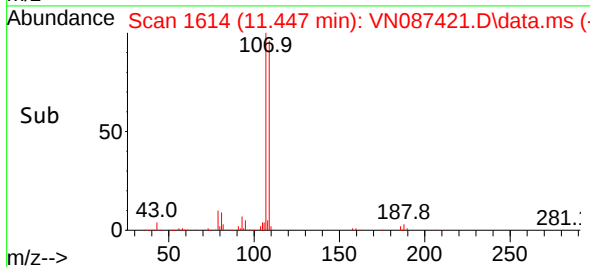
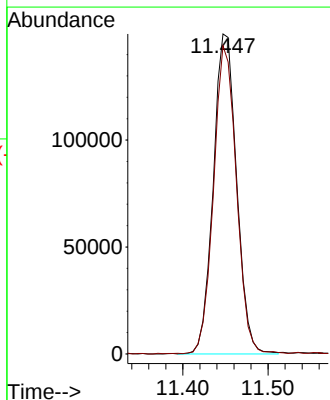
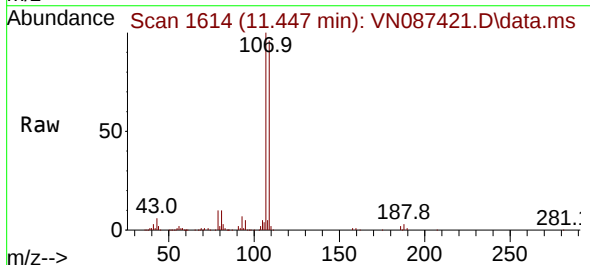
Manual Integrations
APPROVED

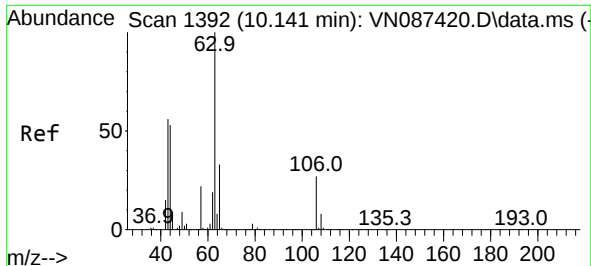
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#54
1,2-Dibromoethane
Concen: 34.470 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

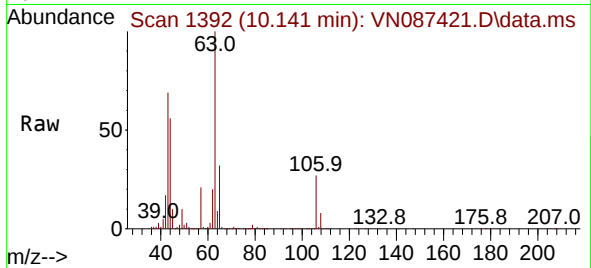
Tgt Ion:107 Resp: 284615
Ion Ratio Lower Upper
107 100
109 94.1 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 146.121 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

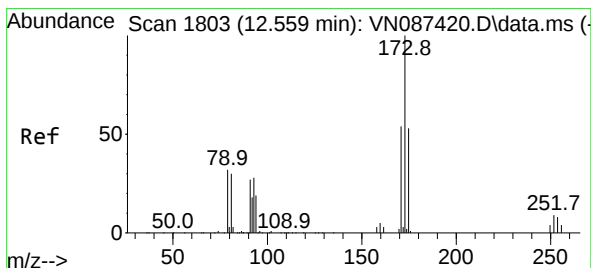
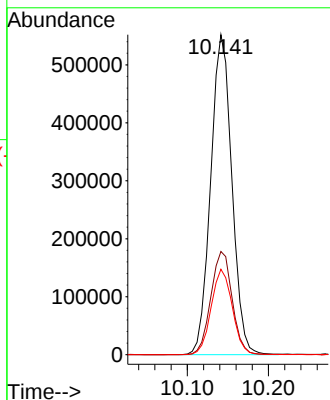
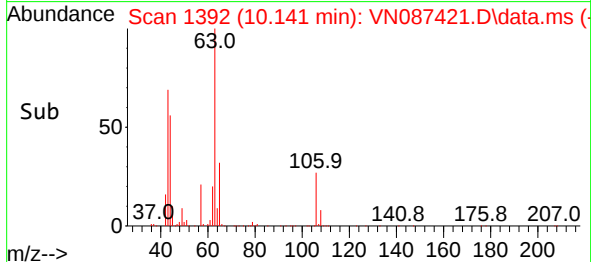
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 63 Resp: 100132
Ion Ratio Lower Upper
63 100
65 32.4 25.8 38.8
106 26.6 23.0 34.4

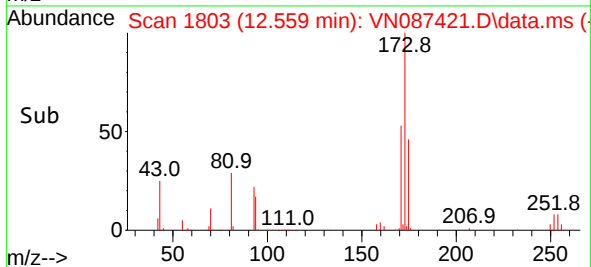
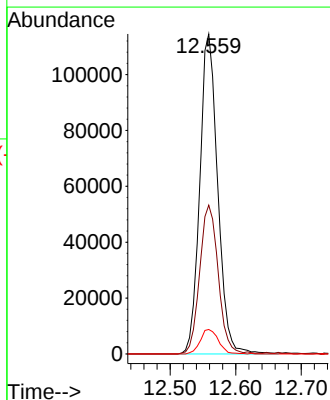
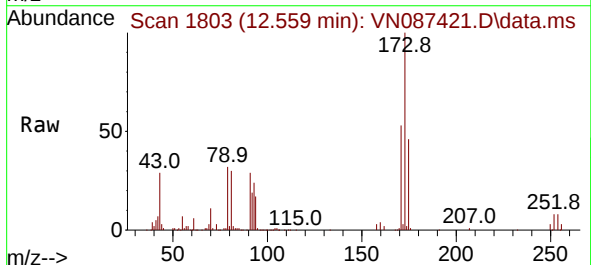
Manual Integrations
APPROVED

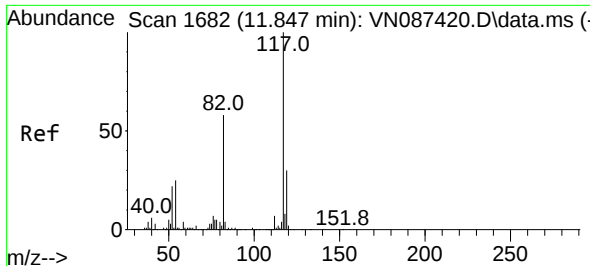
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#56
Bromoform
Concen: 32.479 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

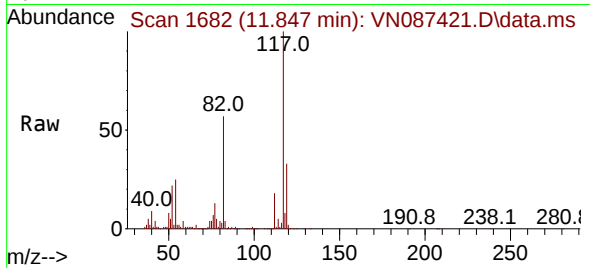
Tgt Ion:173 Resp: 218091
Ion Ratio Lower Upper
173 100
175 47.9 38.4 57.6
254 7.8 6.7 10.1





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1182
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

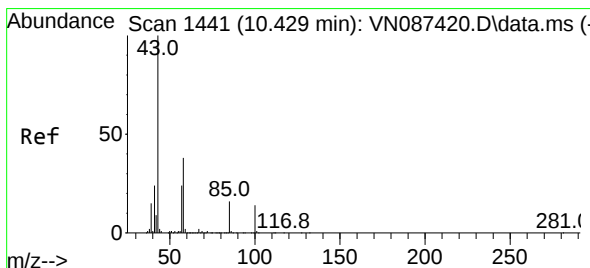
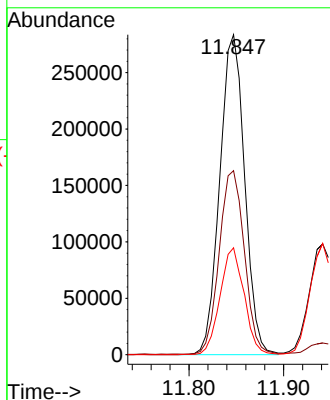
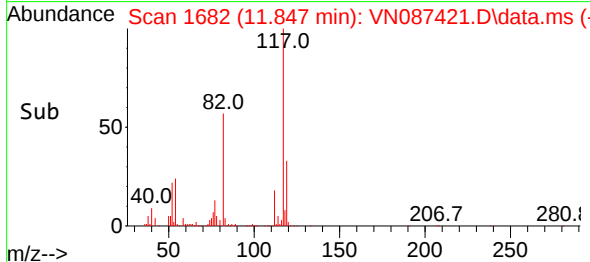
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



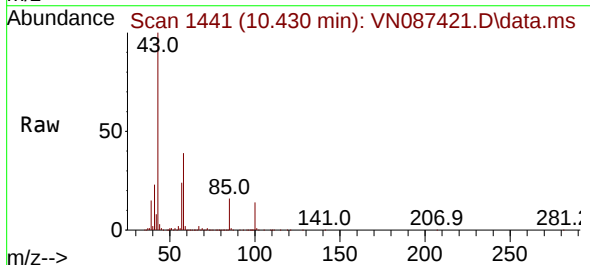
Tgt Ion:117 Resp: 51822
Ion Ratio Lower Upper
117 100
82 58.0 44.1 66.1
119 32.0 25.4 38.2

Manual Integrations
APPROVED

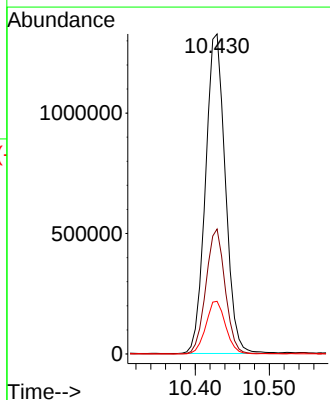
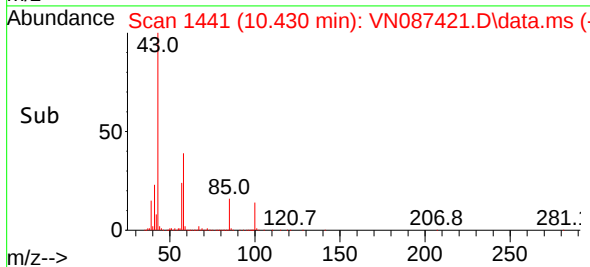
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

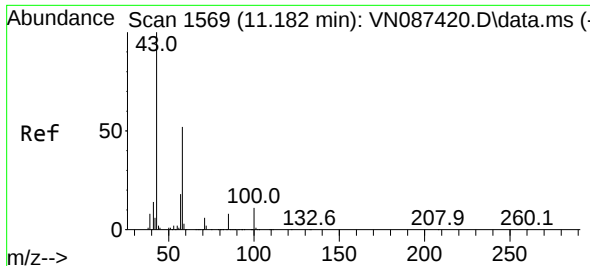


#58
4-Methyl-2-Pentanone
Concen: 194.599 ug/l
RT: 10.430 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27



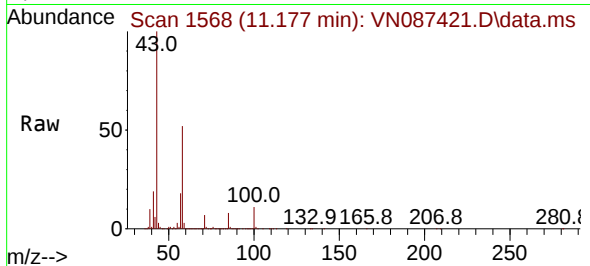
Tgt Ion: 43 Resp: 2465965
Ion Ratio Lower Upper
43 100
58 37.9 29.5 44.3
85 16.4 13.3 19.9





#59
2-Hexanone
Concen: 202.889 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

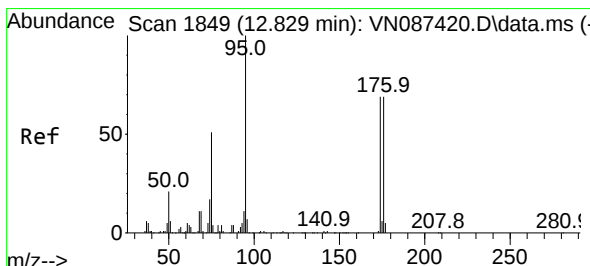
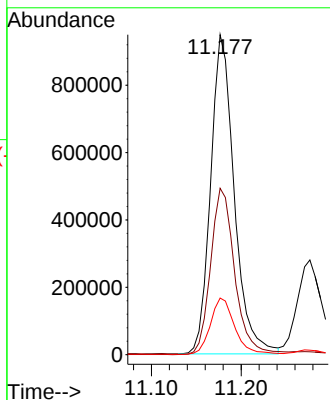
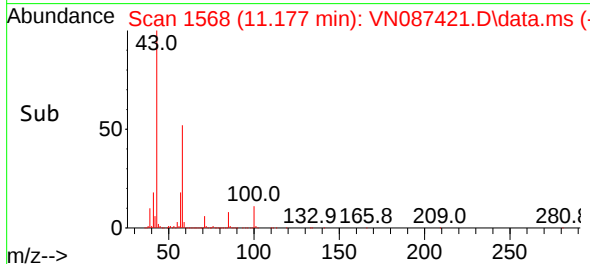
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 43 Resp: 1735360
Ion Ratio Lower Upper
43 100
58 53.3 40.5 60.7
57 18.1 14.0 21.0

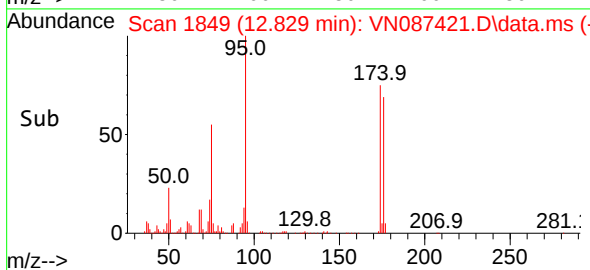
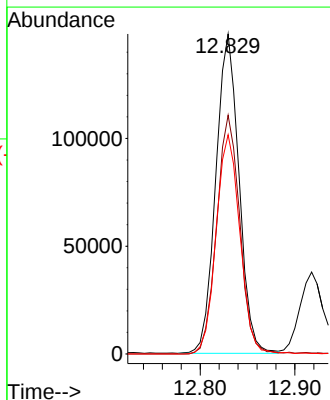
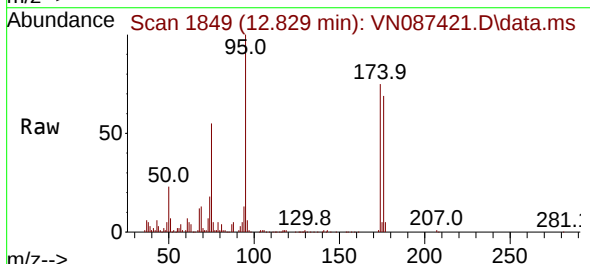
Manual Integrations
APPROVED

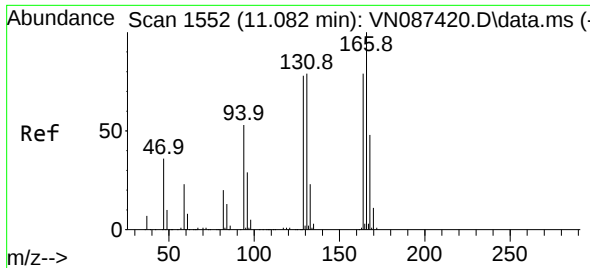
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#60
4-Bromofluorobenzene
Concen: 29.123 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

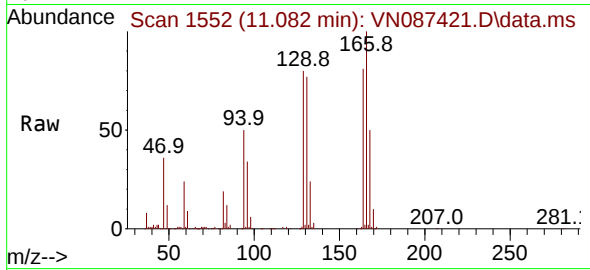
Tgt Ion: 95 Resp: 251797
Ion Ratio Lower Upper
95 100
174 74.3 62.1 93.1
176 70.4 57.9 86.9





#61
Tetrachloroethene
Concen: 35.567 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

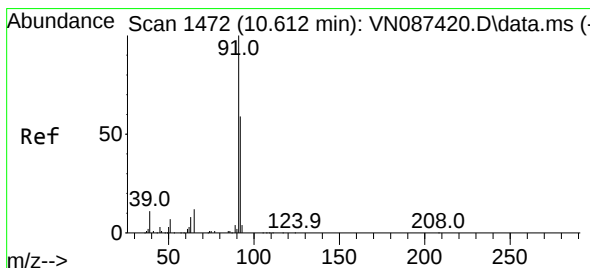
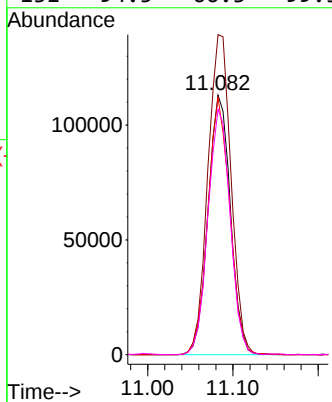
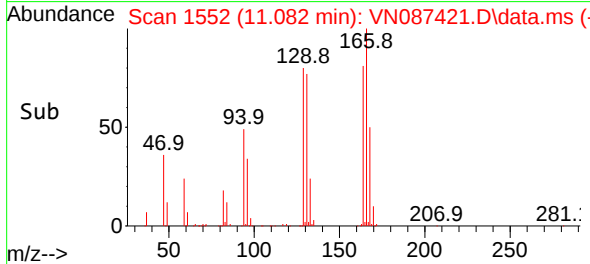
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



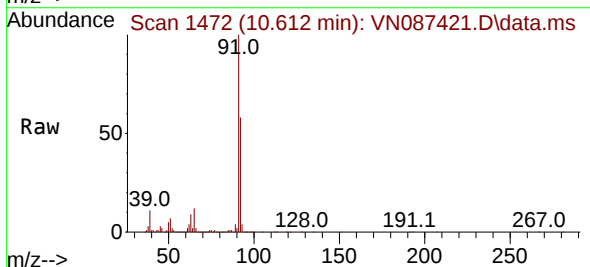
Tgt Ion:164 Resp: 205829
Ion Ratio Lower Upper
164 100
166 123.3 91.7 137.5
129 98.8 77.8 116.6
131 94.5 66.3 99.5

Manual Integrations
APPROVED

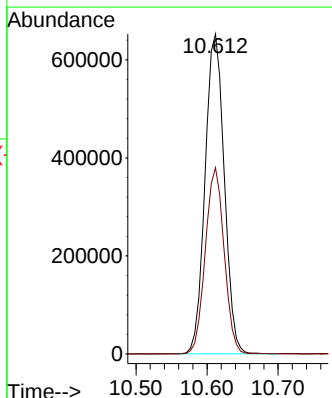
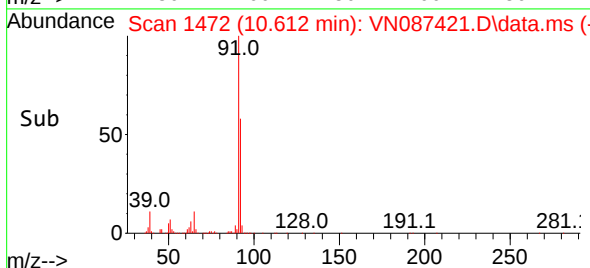
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

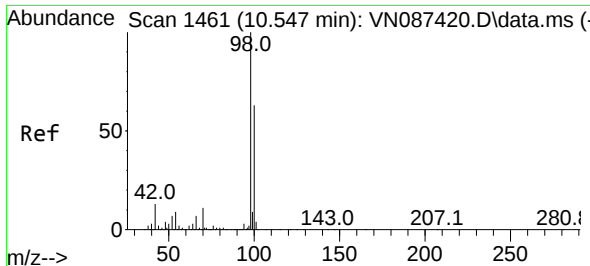


#62
Toluene
Concen: 38.836 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27



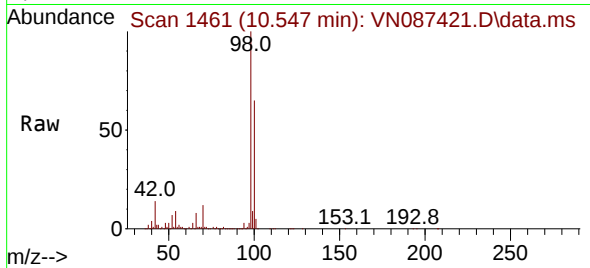
Tgt Ion: 91 Resp: 1225674
Ion Ratio Lower Upper
91 100
92 57.1 47.4 71.0





#63
Toluene-d8
Concen: 30.261 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

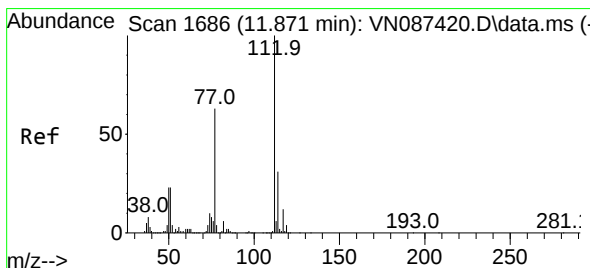
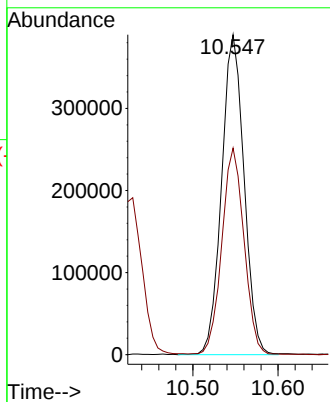
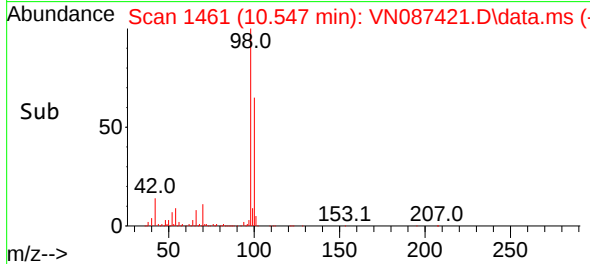
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



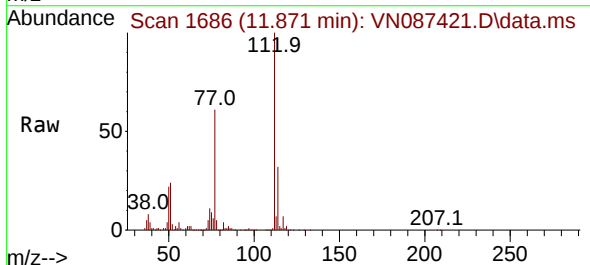
Tgt Ion: 98 Resp: 713184
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7

Manual Integrations
APPROVED

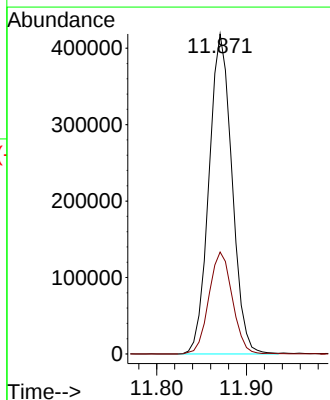
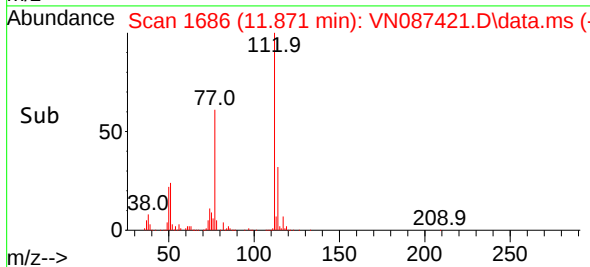
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

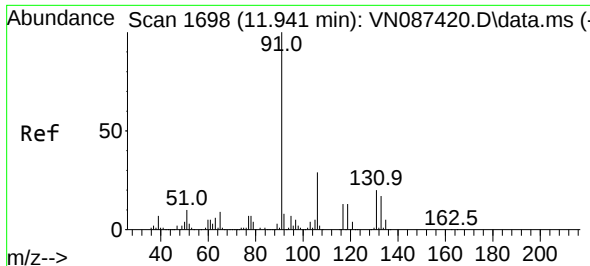


#64
Chlorobenzene
Concen: 36.994 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27



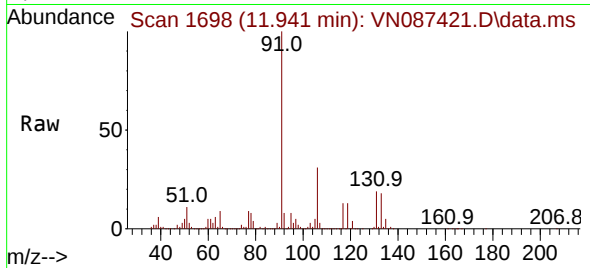
Tgt Ion:112 Resp: 746442
Ion Ratio Lower Upper
112 100
114 31.8 24.0 36.0





#65
1,1,1,2-Tetrachloroethane
Concen: 34.849 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

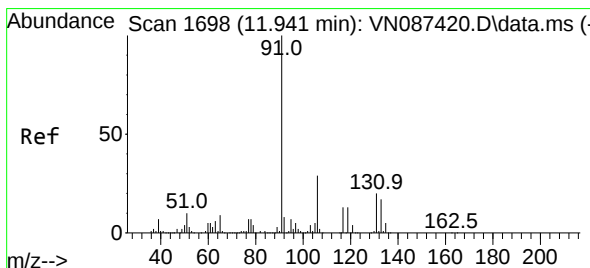
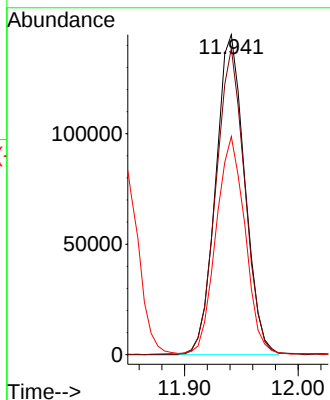
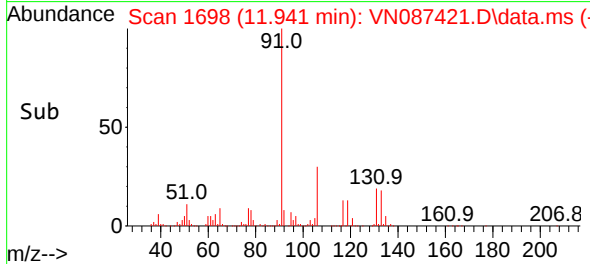
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:131 Resp: 256968
Ion Ratio Lower Upper
131 100
133 95.3 0.0 193.0
119 67.9 0.0 128.2

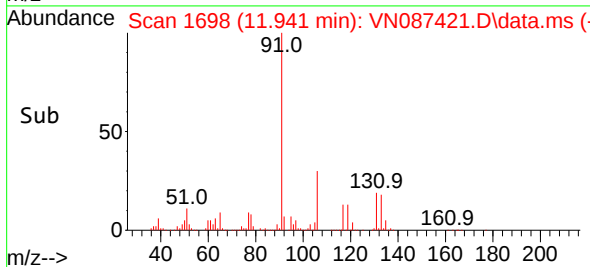
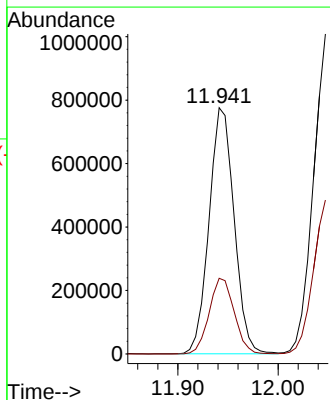
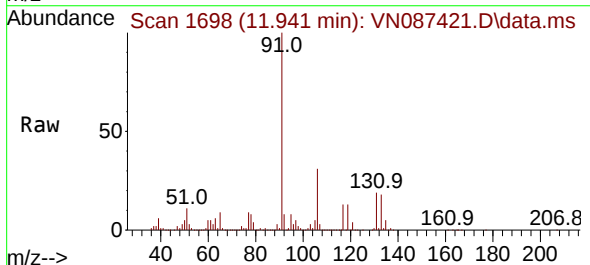
Manual Integrations
APPROVED

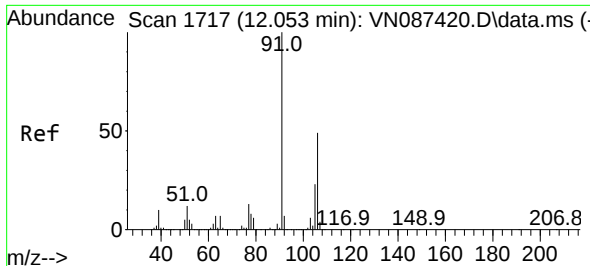
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#66
Ethyl Benzene
Concen: 39.459 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

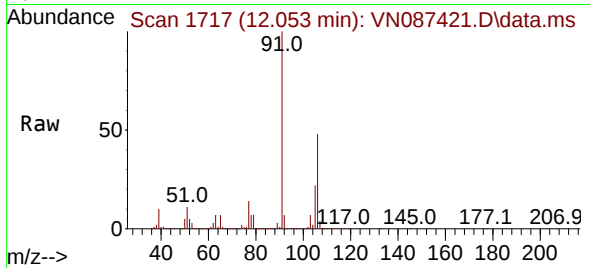
Tgt Ion: 91 Resp: 1348264
Ion Ratio Lower Upper
91 100
106 30.7 25.8 38.6





#67
m/p-Xylenes
Concen: 75.480 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

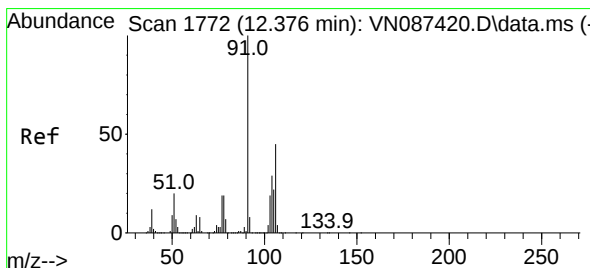
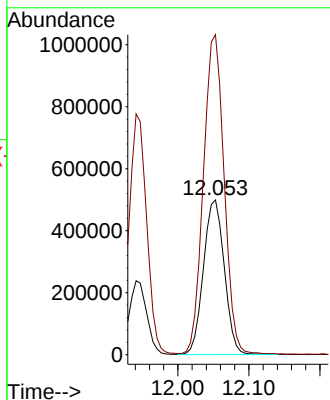
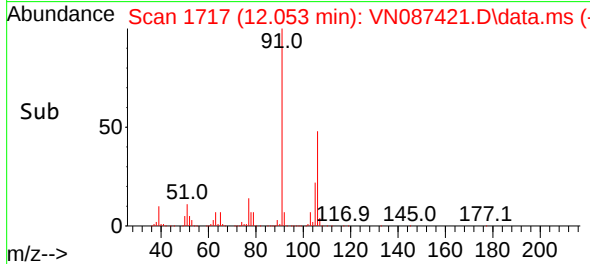
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:106 Resp: 102062
Ion Ratio Lower Upper
106 100
91 205.6 163.4 245.2

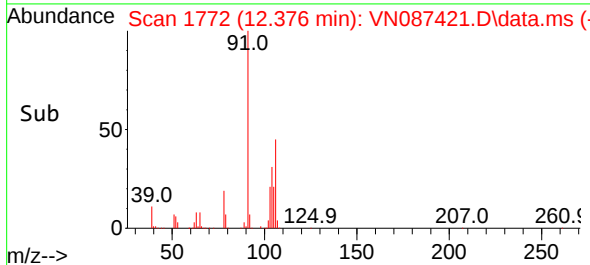
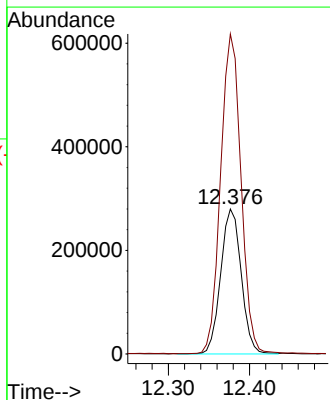
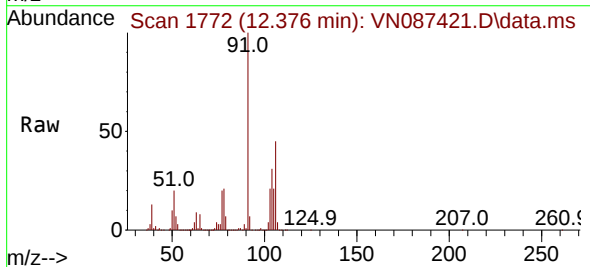
Manual Integrations
APPROVED

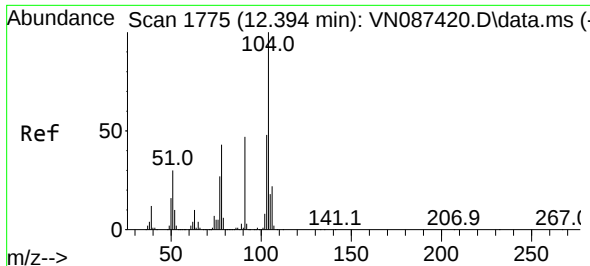
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#68
o-Xylene
Concen: 37.985 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

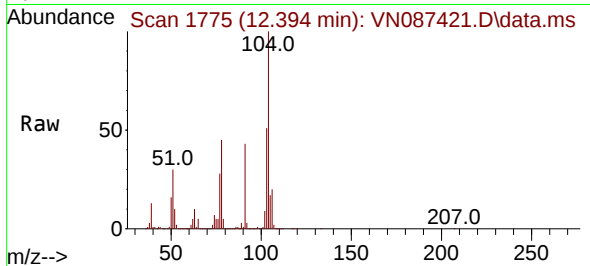
Tgt Ion:106 Resp: 492694
Ion Ratio Lower Upper
106 100
91 219.0 106.6 319.8





#69
Styrene
Concen: 37.523 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

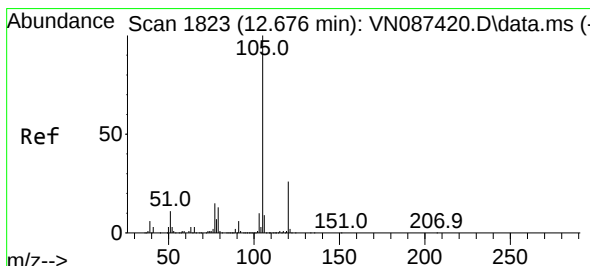
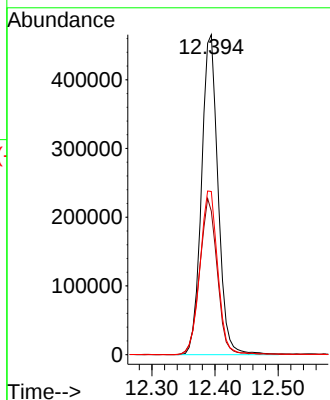
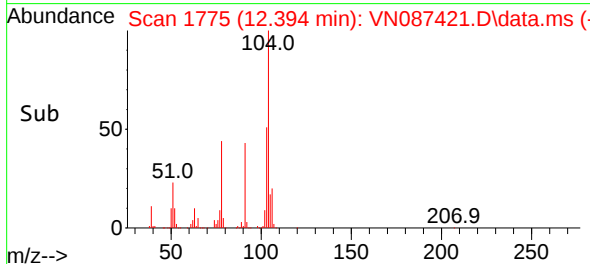
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



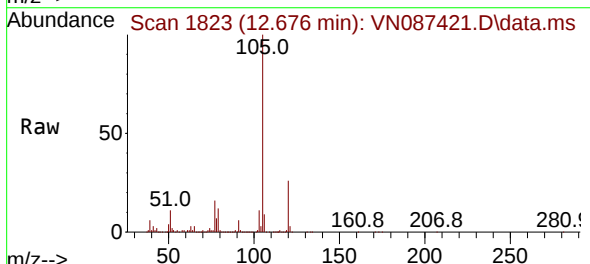
Tgt Ion:104 Resp: 846783
Ion Ratio Lower Upper
104 100
78 51.2 40.7 61.1
103 55.0 43.4 65.2

Manual Integrations
APPROVED

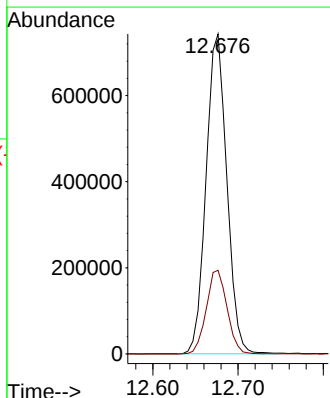
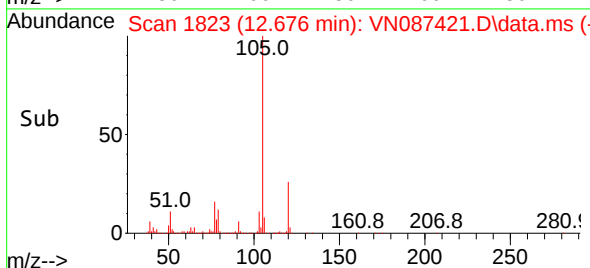
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

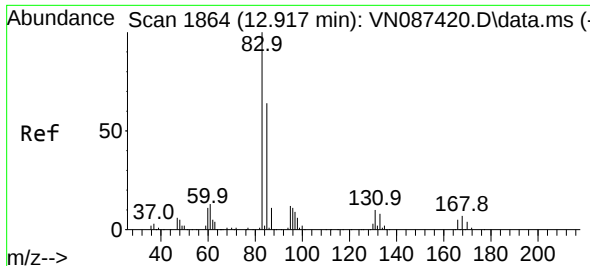


#70
Isopropylbenzene
Concen: 38.467 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27



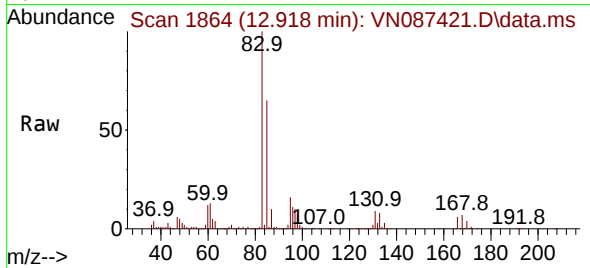
Tgt Ion:105 Resp: 1256635
Ion Ratio Lower Upper
105 100
120 26.2 17.6 32.6





#71
 1,1,2,2-Tetrachloroethane
 Concen: 36.760 ug/l
 RT: 12.918 min Scan# 1864
 Delta R.T. 0.000 min
 Lab File: VN087421.D
 Acq: 28 Jul 2025 10:27

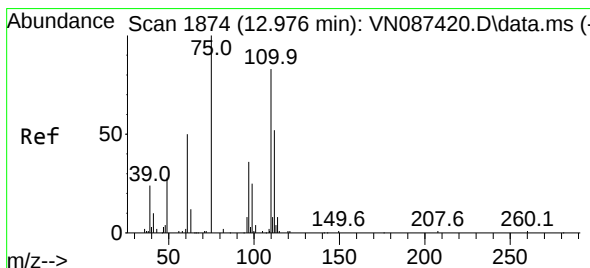
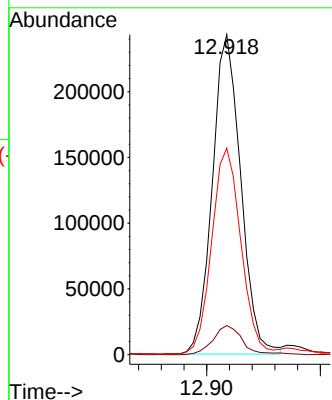
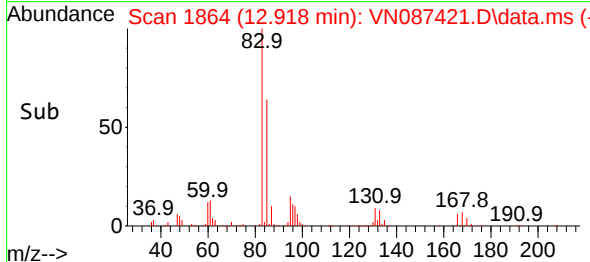
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



Tgt Ion: 83 Resp: 422439
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.6 13.8
 85 65.9 30.6 91.6

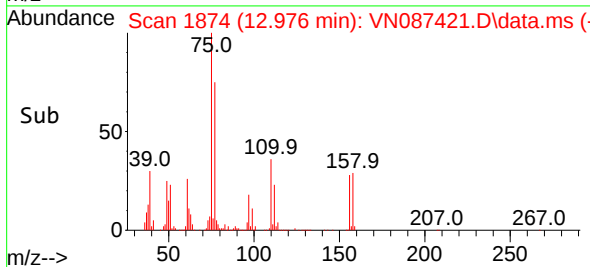
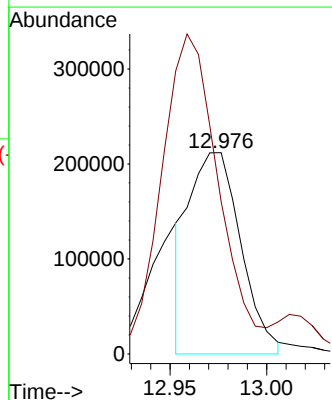
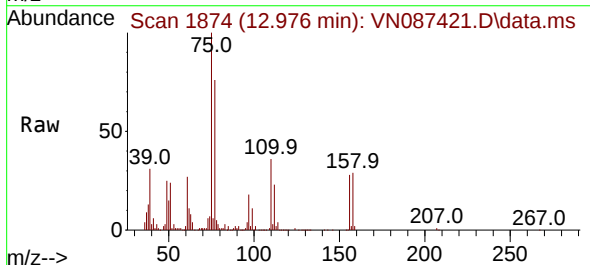
Manual Integrations
 APPROVED

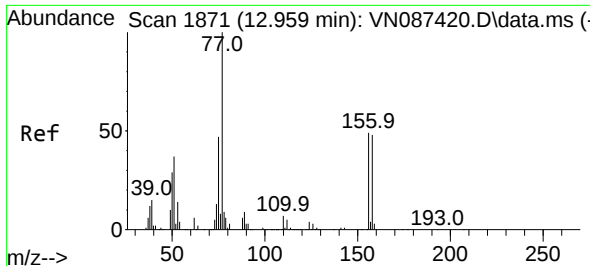
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/29/2025



#72
 1,2,3-Trichloropropane
 Concen: 38.374 ug/l m
 RT: 12.976 min Scan# 1874
 Delta R.T. 0.006 min
 Lab File: VN087421.D
 Acq: 28 Jul 2025 10:27

Tgt Ion: 75 Resp: 393969
 Ion Ratio Lower Upper
 75 100
 77 176.5 0.0 361.2





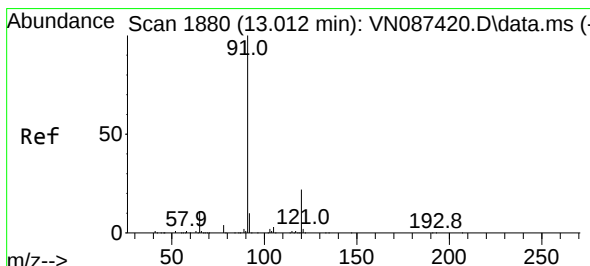
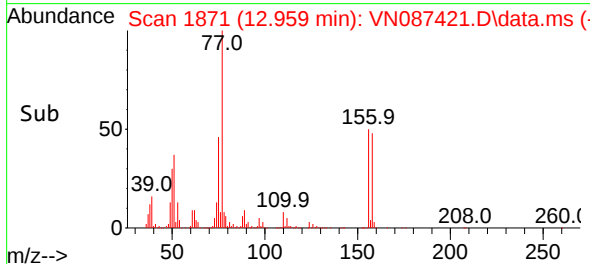
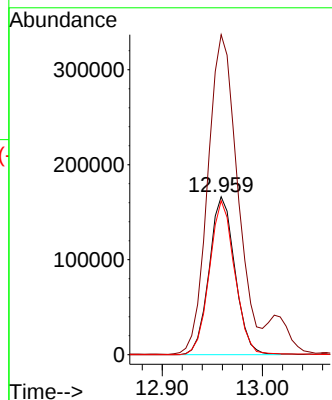
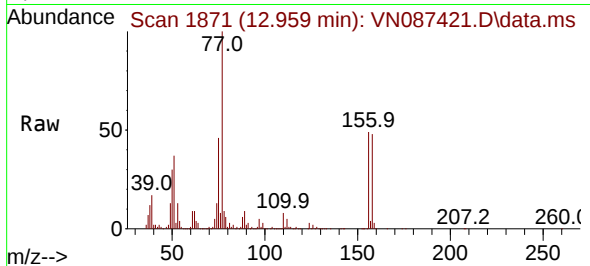
#73
Bromobenzene
Concen: 34.750 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:156 Resp: 295472
Ion Ratio Lower Upper
156 100
77 235.3 0.0 440.6
158 96.3 0.0 195.0

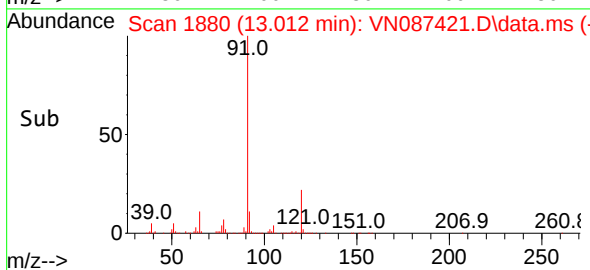
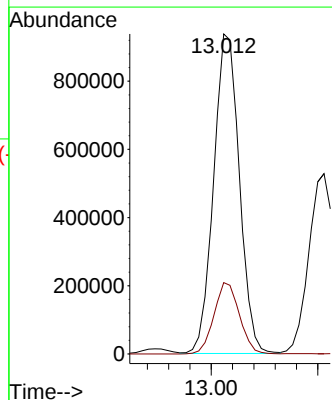
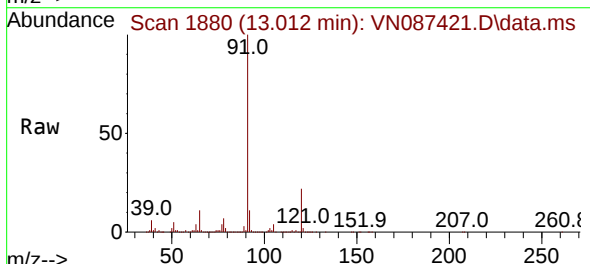
Manual Integrations
APPROVED

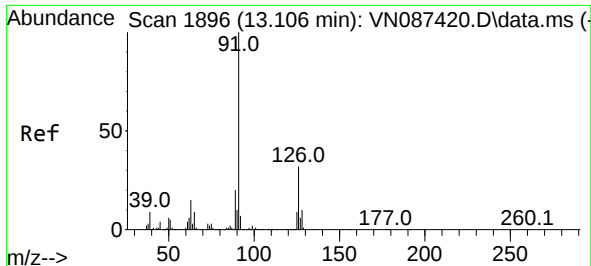
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#74
n-propylbenzene
Concen: 38.067 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

Tgt Ion: 91 Resp: 1570377
Ion Ratio Lower Upper
91 100
120 22.0 0.0 44.6





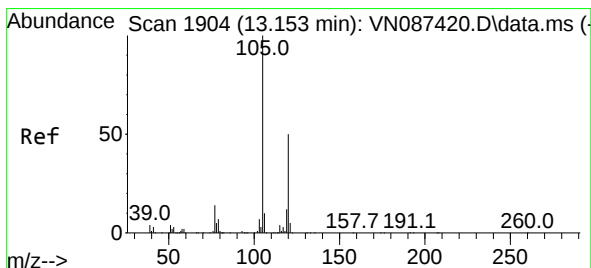
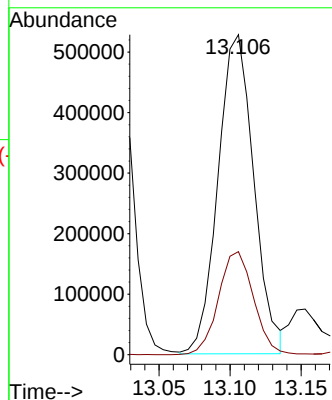
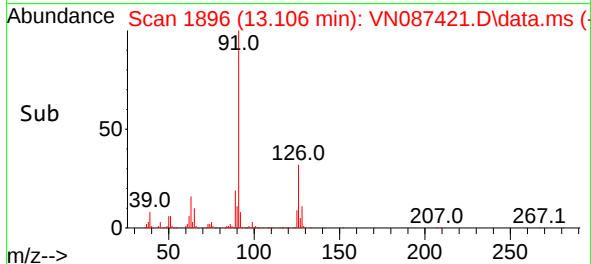
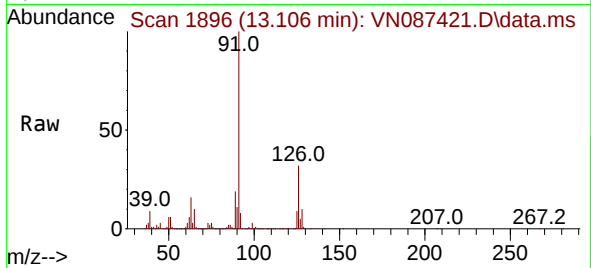
#75
2-Chlorotoluene
Concen: 37.326 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 91 Resp: 92482
Ion Ratio Lower Upper
91 100
126 31.7 0.0 65.4

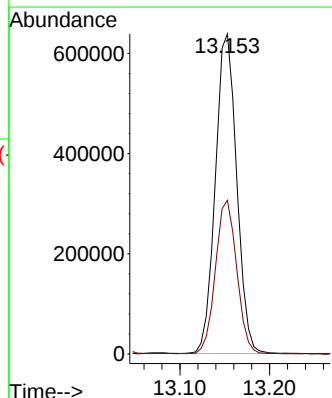
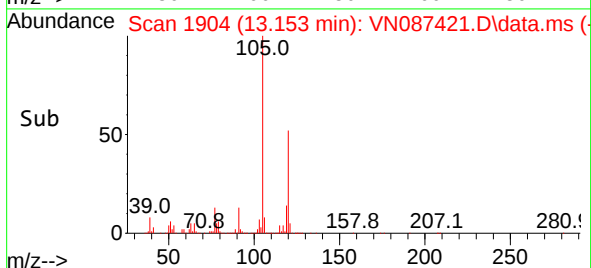
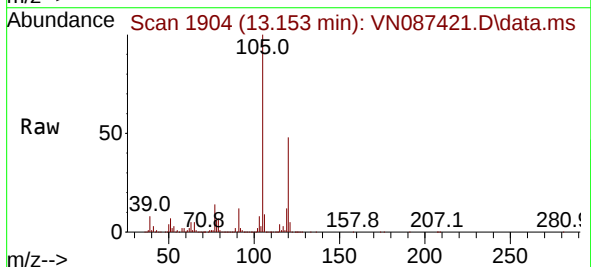
Manual Integrations
APPROVED

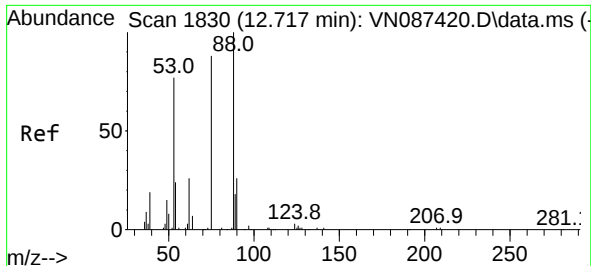
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#76
1,3,5-Trimethylbenzene
Concen: 37.079 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

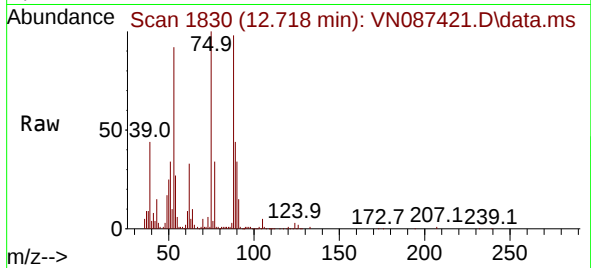
Tgt Ion:105 Resp: 1053588
Ion Ratio Lower Upper
105 100
120 48.1 0.0 97.4





#77
t-1,4-Dichloro-2-butene
Concen: 40.530 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. -0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

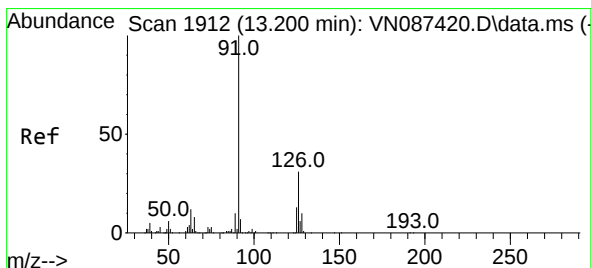
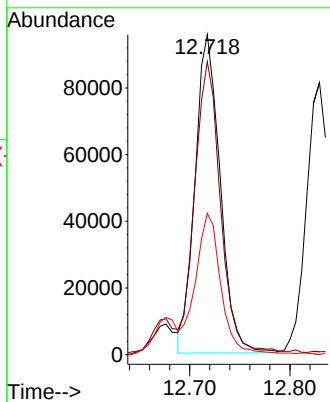
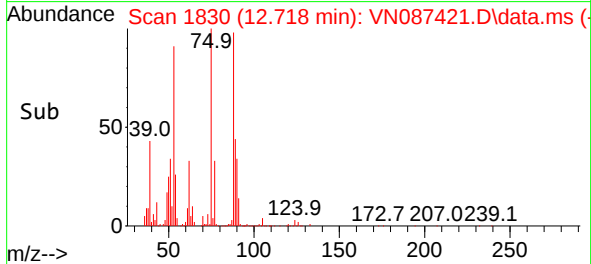
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 75 Resp: 16629
Ion Ratio Lower Upper
75 100
53 91.5 44.0 131.8
89 44.2 17.0 50.9

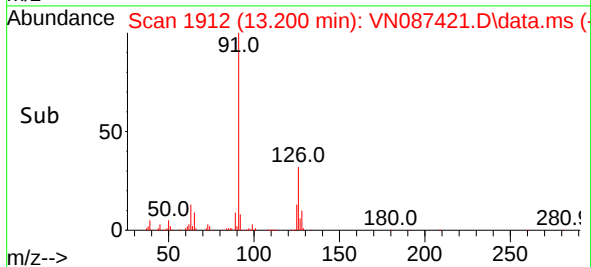
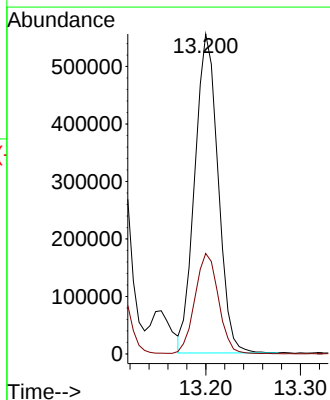
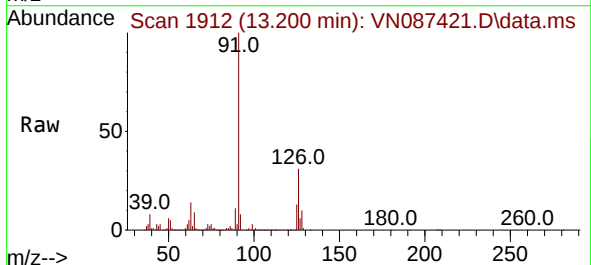
Manual Integrations
APPROVED

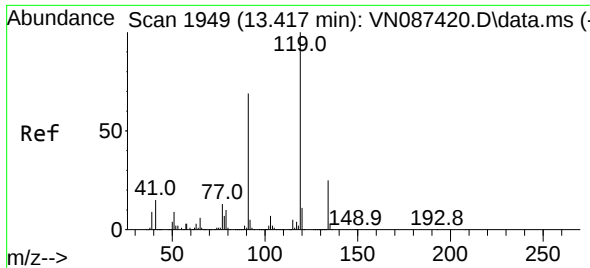
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#78
4-Chlorotoluene
Concen: 35.893 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

Tgt Ion: 91 Resp: 948477
Ion Ratio Lower Upper
91 100
126 32.2 0.0 66.6





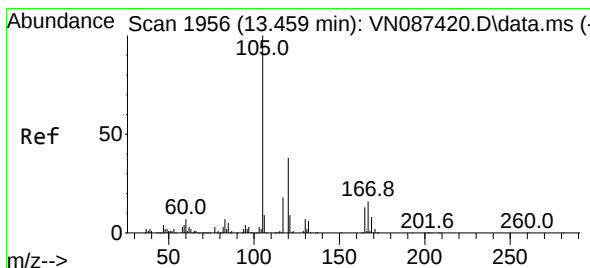
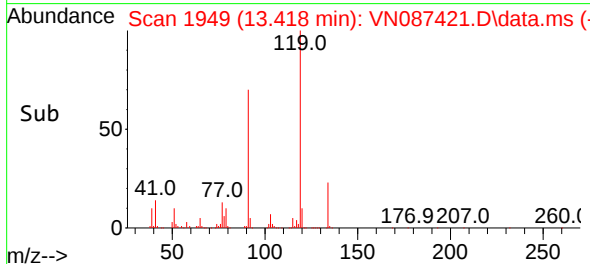
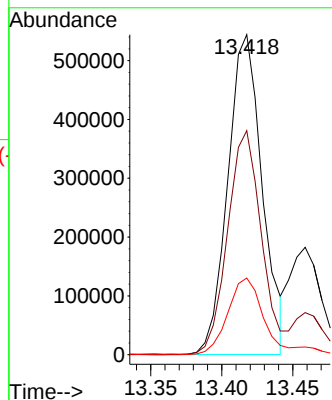
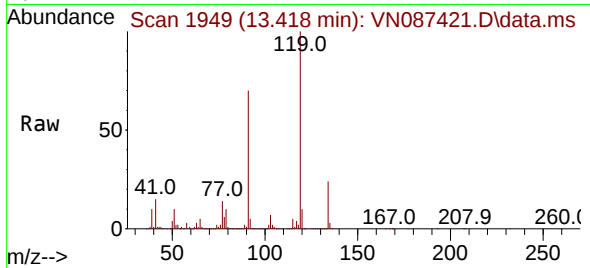
#79
tert-butylbenzene
Concen: 38.032 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:119 Resp: 91780
Ion Ratio Lower Upper
119 100
91 69.1 0.0 134.8
134 24.2 0.0 52.0

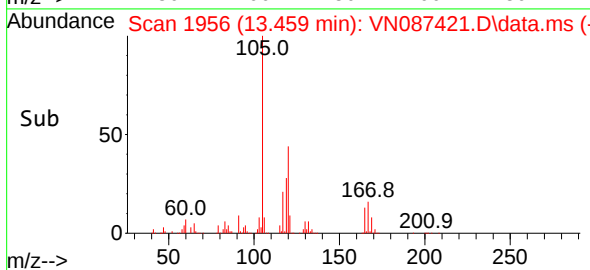
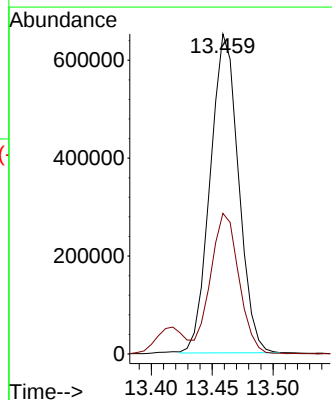
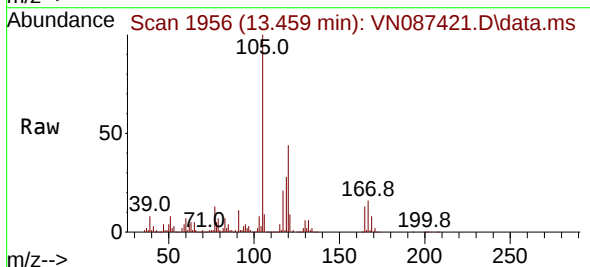
Manual Integrations
APPROVED

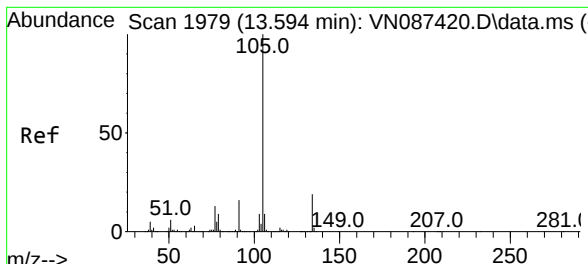
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#80
1,2,4-Trimethylbenzene
Concen: 36.294 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

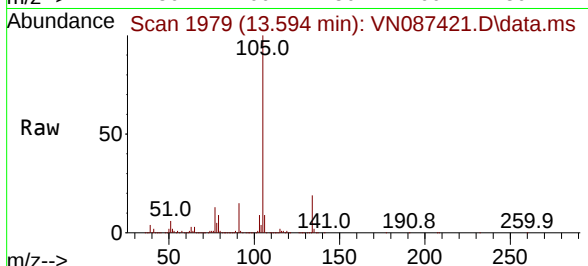
Tgt Ion:105 Resp: 1052781
Ion Ratio Lower Upper
105 100
120 43.6 0.0 93.6





#81
 sec-Butylbenzene
 Concen: 39.056 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087421.D
 Acq: 28 Jul 2025 10:27

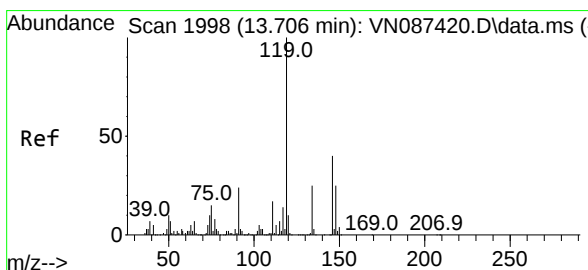
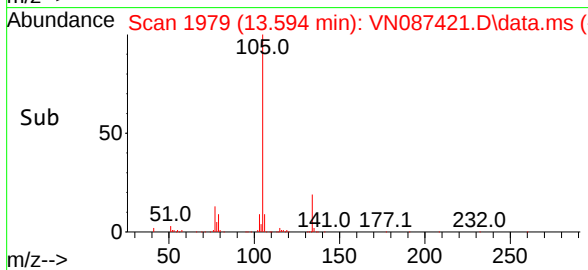
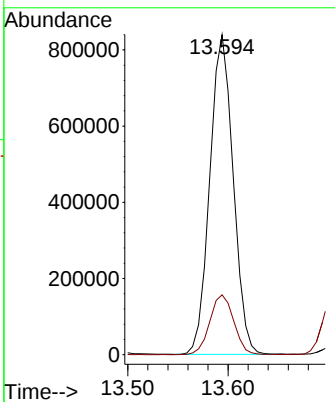
Instrument : MSVOA_N
 ClientSampleId : VSTDIC050



Tgt Ion:105 Resp: 1360199
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 39.6

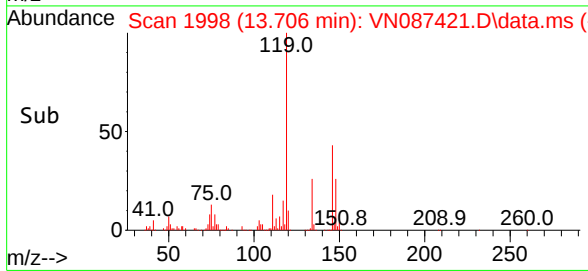
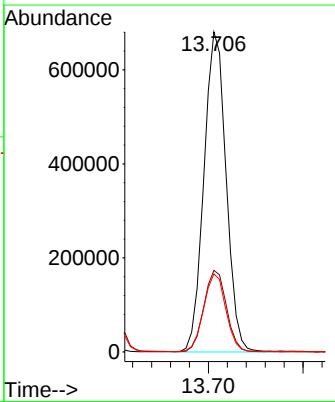
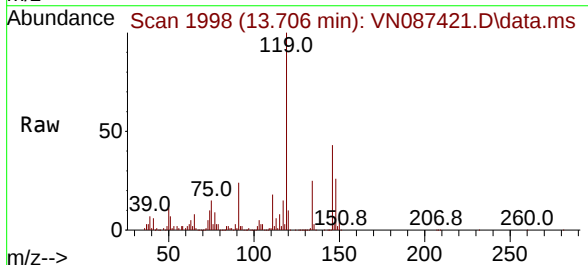
Manual Integrations
 APPROVED

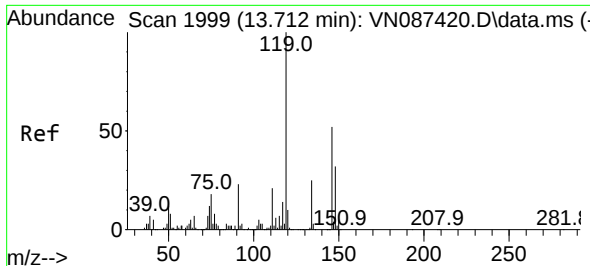
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/29/2025



#82
 p-Isopropyltoluene
 Concen: 37.088 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087421.D
 Acq: 28 Jul 2025 10:27

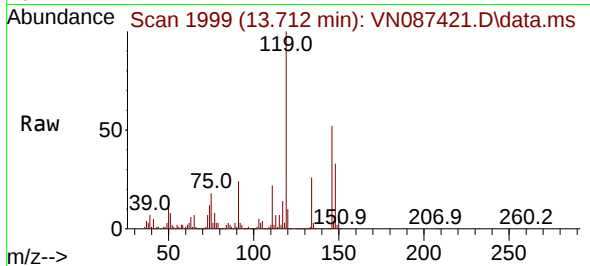
Tgt Ion:119 Resp: 1108608
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 51.8
 91 24.2 0.0 54.2





#83
1,3-Dichlorobenzene
Concen: 33.283 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

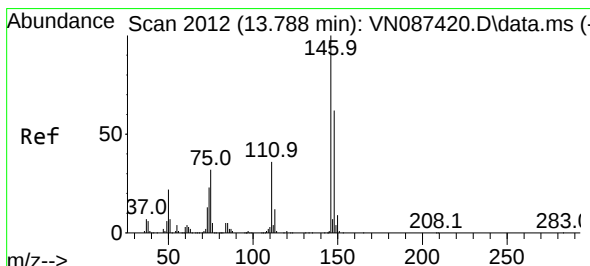
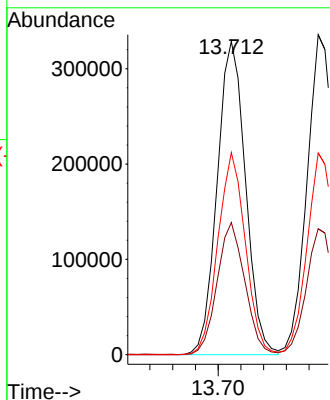
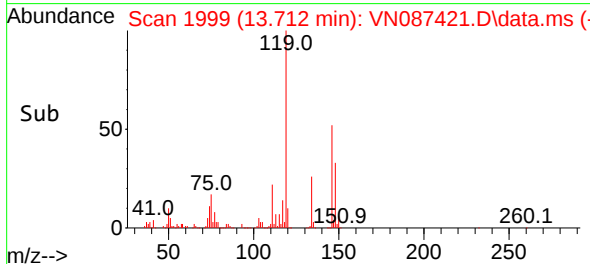
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



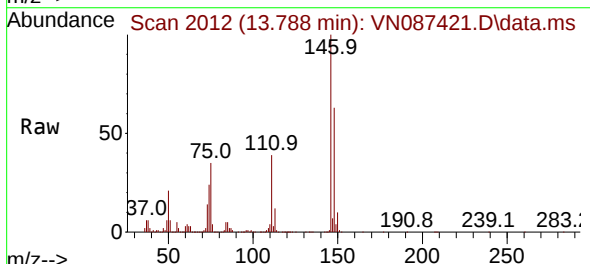
Tgt Ion:146 Resp: 570197
Ion Ratio Lower Upper
146 100
111 41.1 20.2 60.6
148 62.6 31.7 95.1

Manual Integrations
APPROVED

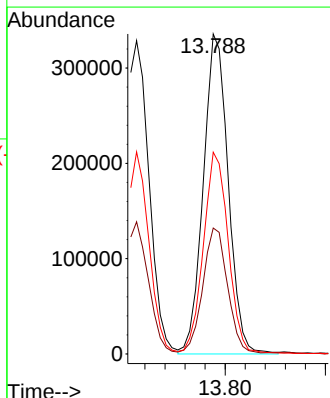
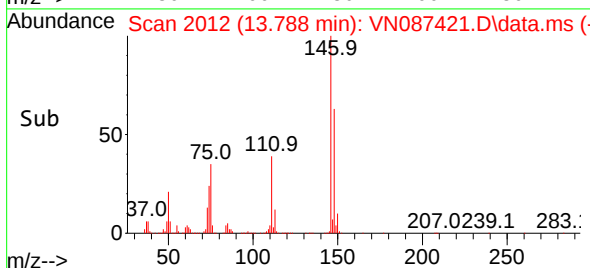
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

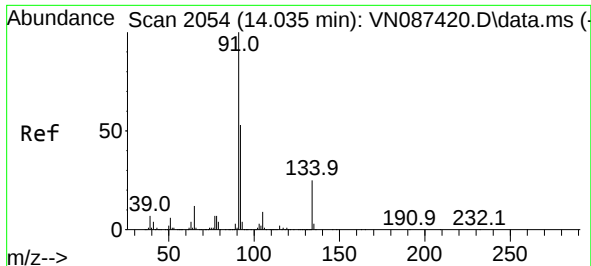


#84
1,4-Dichlorobenzene
Concen: 34.247 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27



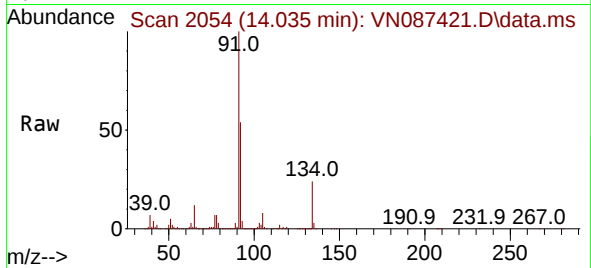
Tgt Ion:146 Resp: 579128
Ion Ratio Lower Upper
146 100
111 39.2 19.4 58.1
148 62.4 32.4 97.2





#85
n-Butylbenzene
Concen: 40.267 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

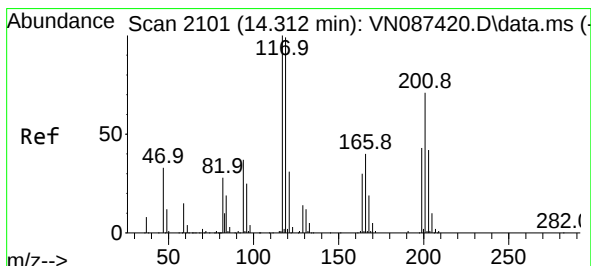
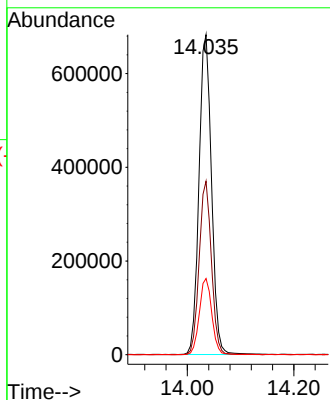
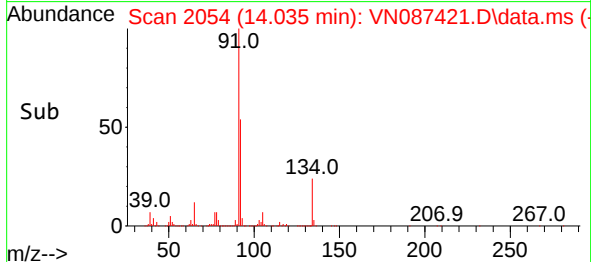
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 91 Resp: 1108529
Ion Ratio Lower Upper
91 100
92 53.1 0.0 101.4
134 23.8 0.0 48.6

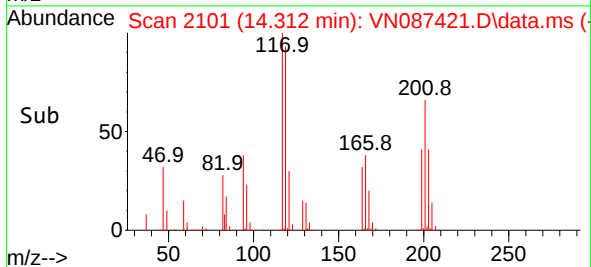
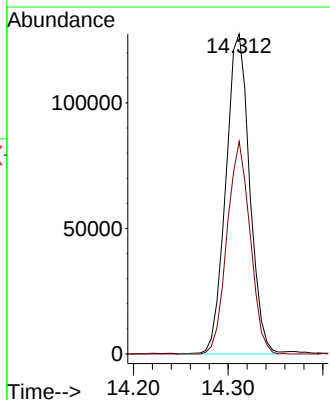
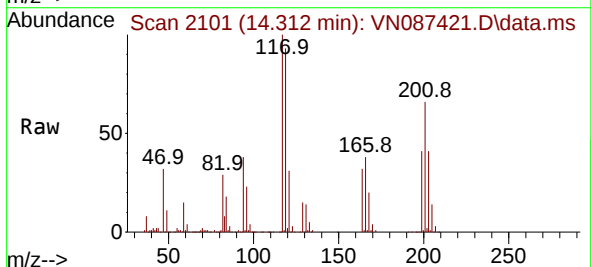
Manual Integrations
APPROVED

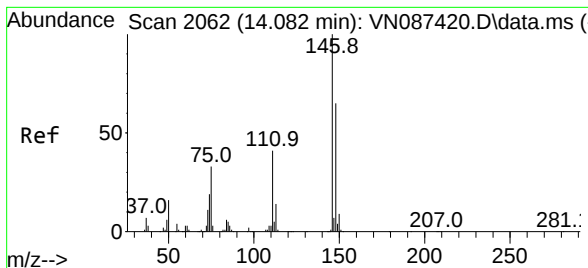
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#86
Hexachloroethane
Concen: 38.187 ug/l
RT: 14.312 min Scan# 2101
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

Tgt Ion:117 Resp: 222124
Ion Ratio Lower Upper
117 100
201 64.4 34.2 102.5





#87

1,2-Dichlorobenzene

Concen: 34.380 ug/l

RT: 14.082 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VN087421.D

Acq: 28 Jul 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

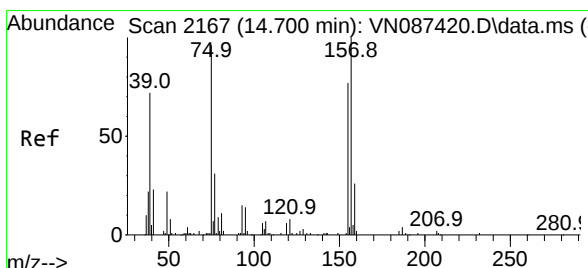
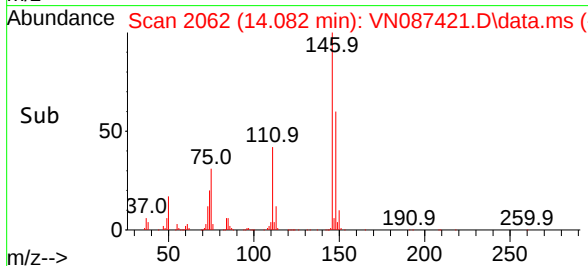
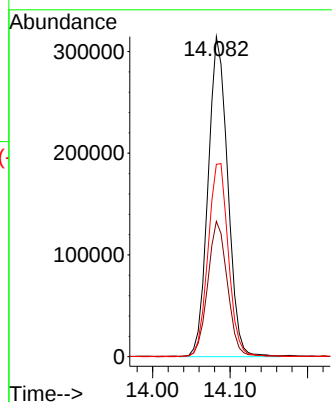
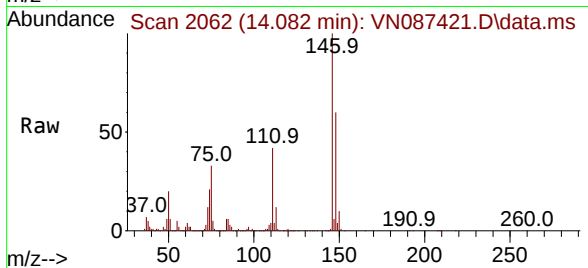
Tgt Ion:	146	Resp:	554554
Ion Ratio	Lower	Upper	
146	100		
111	42.2	21.9	65.8
148	62.3	31.2	93.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 34.878 ug/l

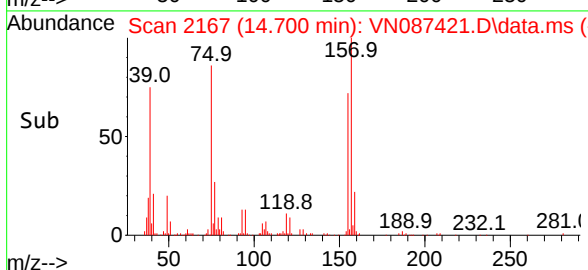
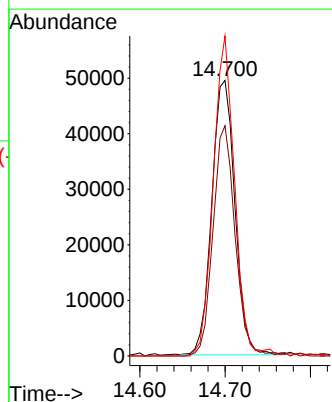
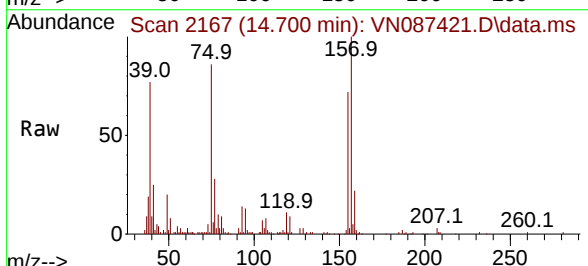
RT: 14.700 min Scan# 2167

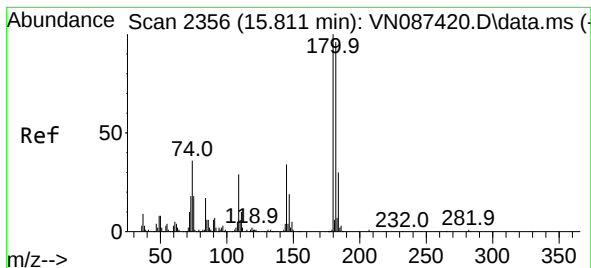
Delta R.T. 0.006 min

Lab File: VN087421.D

Acq: 28 Jul 2025 10:27

Tgt Ion:	75	Resp:	93256
Ion Ratio	Lower	Upper	
75	100		
155	79.9	61.3	91.9
157	105.8	85.5	128.3





#89

1,2,4-Trichlorobenzene

Concen: 34.797 ug/l

RT: 15.812 min Scan# 2356

Delta R.T. 0.000 min

Lab File: VN087421.D

Acq: 28 Jul 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion:180 Resp: 32379

Ion Ratio Lower Upper

180 100

182 95.7 74.2 111.2

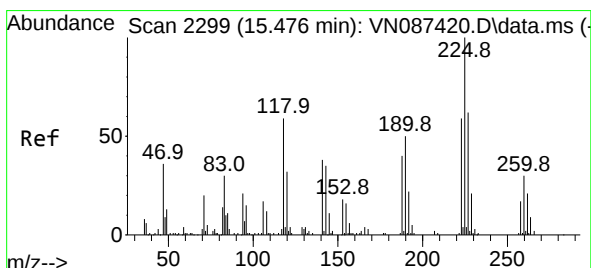
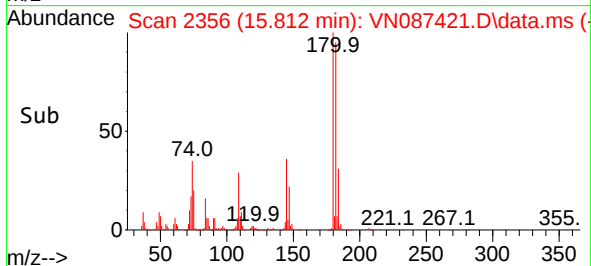
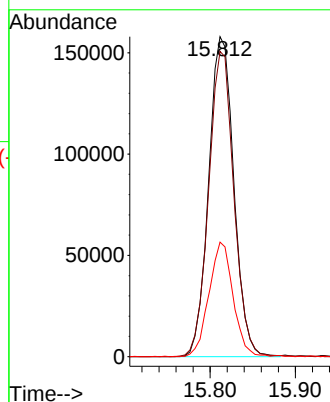
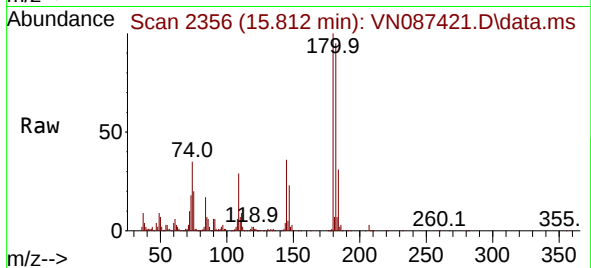
145 34.2 29.3 43.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025



#90

Hexachlorobutadiene

Concen: 32.444 ug/l

RT: 15.476 min Scan# 2299

Delta R.T. 0.000 min

Lab File: VN087421.D

Acq: 28 Jul 2025 10:27

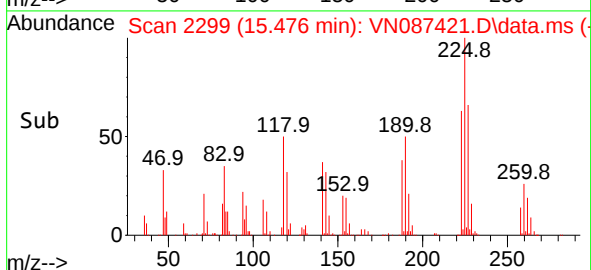
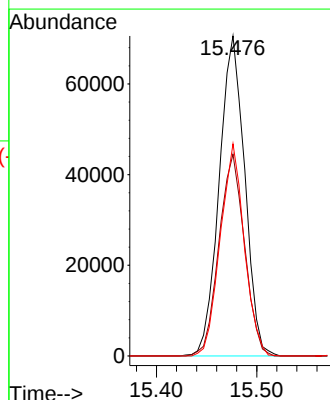
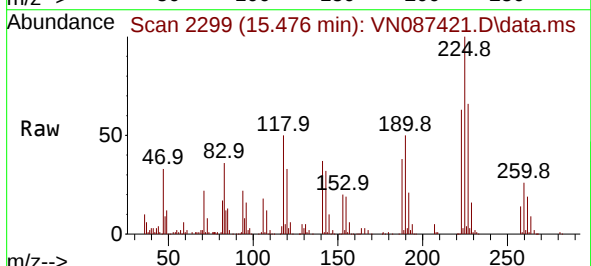
Tgt Ion:225 Resp: 124521

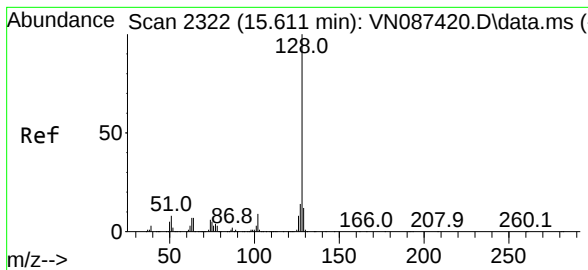
Ion Ratio Lower Upper

225 100

223 62.9 0.0 125.2

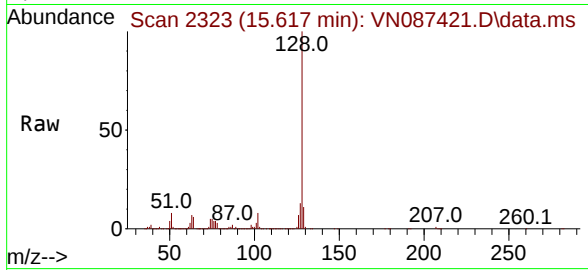
227 62.2 0.0 122.4





#91
Naphthalene
Concen: 39.703 ug/l
RT: 15.617 min Scan# 2322
Delta R.T. 0.006 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

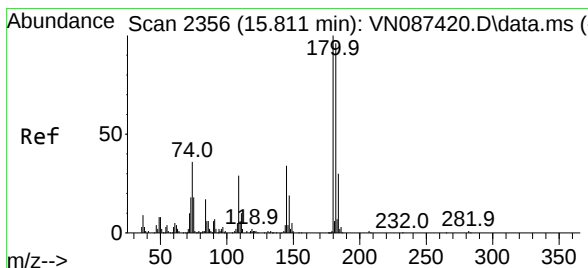
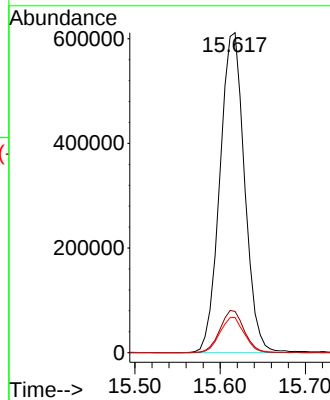
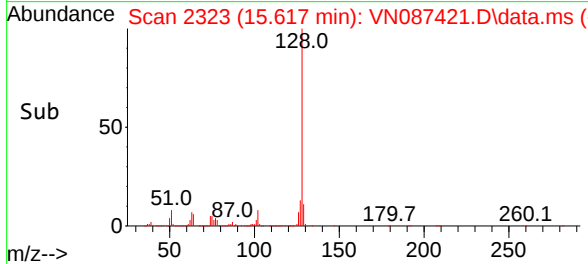
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:128 Resp: 1229600
Ion Ratio Lower Upper
128 100
127 13.0 10.7 16.1
129 10.9 9.0 13.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#92
1,2,3-Trichlorobenzene
Concen: 34.797 ug/l
RT: 15.812 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN087421.D
Acq: 28 Jul 2025 10:27

Tgt Ion:180 Resp: 323791
Ion Ratio Lower Upper
180 100
182 95.7 0.0 185.4
145 34.2 0.0 73.2

