

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087139.D
 Acq On : 20 Jun 2025 15:08
 Operator : JC\MD
 Sample : VN0620MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 23:07:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	141546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	267175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	253348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	98971	52.223	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.440%			
35) Dibromofluoromethane	8.171	113	81586	51.528	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.060%			
50) Toluene-d8	10.565	98	336398	53.669	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.340%			
62) 4-Bromofluorobenzene	12.847	95	127553	54.773	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.153	85	28924	20.495	ug/l	97
3) Chloromethane	2.400	50	31457	17.261	ug/l	95
4) Vinyl Chloride	2.553	62	40268	21.420	ug/l	96
5) Bromomethane	3.000	94	23122	21.978	ug/l	91
6) Chloroethane	3.159	64	23707	19.523	ug/l	95
7) Trichlorofluoromethane	3.530	101	46583	18.965	ug/l	94
8) Diethyl Ether	3.989	74	23396	21.862	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.406	101	33460	21.683	ug/l	97
10) Methyl Iodide	4.618	142	25515	12.755	ug/l	98
11) Tert butyl alcohol	5.535	59	44624	86.778	ug/l #	84
12) 1,1-Dichloroethene	4.371	96	35019	22.228	ug/l	95
13) Acrolein	4.200	56	20184	124.002	ug/l	97
14) Allyl chloride	5.047	41	49252	18.850	ug/l	95
15) Acrylonitrile	5.735	53	118888	98.914	ug/l	99
16) Acetone	4.447	43	87575	87.138	ug/l	94
17) Carbon Disulfide	4.736	76	93047	21.352	ug/l	97
18) Methyl Acetate	5.047	43	50356	17.194	ug/l	96
19) Methyl tert-butyl Ether	5.812	73	121132	21.235	ug/l	95
20) Methylene Chloride	5.300	84	39744	21.123	ug/l	90
21) trans-1,2-Dichloroethene	5.806	96	37197	21.221	ug/l	98
22) Diisopropyl ether	6.677	45	97780	17.754	ug/l	91
23) Vinyl Acetate	6.618	43	431690	92.771	ug/l	97
24) 1,1-Dichloroethane	6.582	63	60714	19.156	ug/l	97
25) 2-Butanone	7.488	43	127034	77.763	ug/l	96
26) 2,2-Dichloropropane	7.494	77	47083	19.097	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	38949	18.580	ug/l	97
28) Bromochloromethane	7.818	49	29472	18.912	ug/l	93
29) Tetrahydrofuran	7.847	42	86144	80.949	ug/l	94
30) Chloroform	7.971	83	61223	19.342	ug/l	97
31) Cyclohexane	8.265	56	55015	17.898	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	51521	19.138	ug/l	94
36) 1,1-Dichloropropene	8.382	75	46890	19.874	ug/l	99
37) Ethyl Acetate	7.571	43	46117	15.355	ug/l	99
38) Carbon Tetrachloride	8.365	117	45964	19.844	ug/l	98
39) Methylcyclohexane	9.606	83	49078	15.183	ug/l	96
40) Benzene	8.612	78	138264	17.921	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	27287	16.177	ug/l	94
42) 1,2-Dichloroethane	8.676	62	44479	19.008	ug/l	99
43) Isopropyl Acetate	8.688	43	81100	16.824	ug/l	97
44) Trichloroethene	9.353	130	29140	15.929	ug/l	98
45) 1,2-Dichloropropane	9.623	63	34241	18.243	ug/l	99
46) Dibromomethane	9.712	93	25258	20.260	ug/l	99
47) Bromodichloromethane	9.882	83	46880	18.276	ug/l	97
48) Methyl methacrylate	9.682	41	34182	15.406	ug/l	93
49) 1,4-Dioxane	9.700	88	12595	312.039	ug/l #	98
51) 4-Methyl-2-Pentanone	10.447	43	258850	89.197	ug/l	98
52) Toluene	10.629	92	95617	20.280	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	54585	19.031	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	60902	19.844	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	34326	18.921	ug/l	94
56) Ethyl methacrylate	10.882	69	53460	18.501	ug/l	95
57) 1,3-Dichloropropane	11.165	76	63674	20.232	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	167925	97.432	ug/l	99
59) 2-Hexanone	11.206	43	144866	77.498	ug/l	91
60) Dibromochloromethane	11.359	129	38430	20.331	ug/l	99
61) 1,2-Dibromoethane	11.470	107	36313	19.528	ug/l	97
64) Tetrachloroethene	11.100	164	28655	17.872	ug/l	97
65) Chlorobenzene	11.888	112	104117	18.633	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	34477	19.195	ug/l	98
67) Ethyl Benzene	11.959	91	174021	18.081	ug/l	98
68) m/p-Xylenes	12.070	106	137145	37.224	ug/l	97
69) o-Xylene	12.394	106	66494	18.844	ug/l	95
70) Styrene	12.412	104	112700	18.665	ug/l	99
71) Bromoform	12.576	173	25930	19.484	ug/l #	100
73) Isopropylbenzene	12.694	105	157872	17.988	ug/l	99
74) N-amyl acetate	12.547	43	55839m	18.207	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	59507	20.014	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	54723m	19.109	ug/l	
77) Bromobenzene	12.970	156	37618	18.690	ug/l	93
78) n-propylbenzene	13.035	91	189344	17.752	ug/l	98
79) 2-Chlorotoluene	13.123	91	116577	18.225	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	133294	18.395	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	19846	15.953	ug/l	99
82) 4-Chlorotoluene	13.217	91	120665	18.644	ug/l	99
83) tert-Butylbenzene	13.435	119	90570	13.655	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	111007	15.277	ug/l	100
85) sec-Butylbenzene	13.611	105	146908	15.251	ug/l	100
86) p-Isopropyltoluene	13.729	119	126915	15.939	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	72561	18.323	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	74176	18.372	ug/l	97
89) n-Butylbenzene	14.053	91	115051	14.917	ug/l	99
90) Hexachloroethane	14.335	117	23371	17.316	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	74259	19.518	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11709	16.467	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	40899	16.834	ug/l	96
94) Hexachlorobutadiene	15.494	225	12686	14.015	ug/l	96
95) Naphthalene	15.635	128	161892	17.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	40748	16.881	ug/l	100

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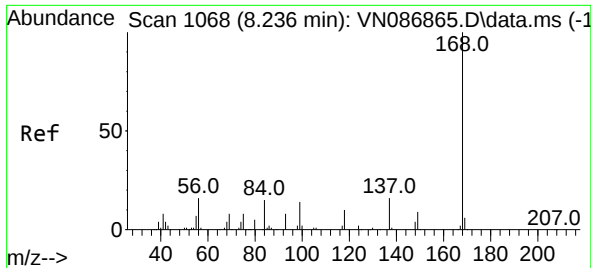
Manual Integrations
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QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

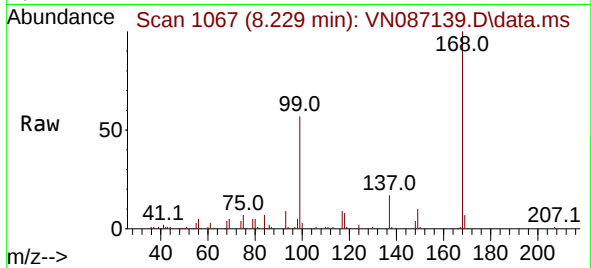
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1068
Delta R.T. -0.007 min
Lab File: VN087139.D
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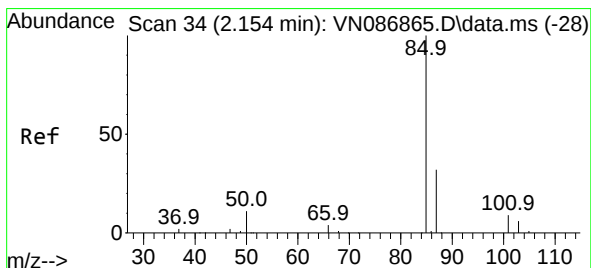
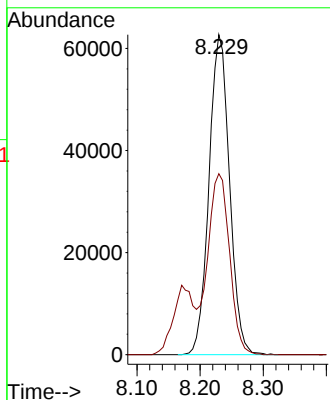
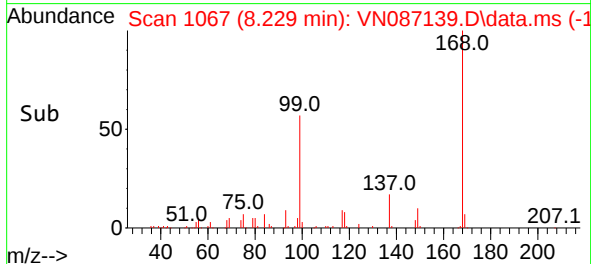
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01



Tgt Ion:168 Resp: 141540
Ion Ratio Lower Upper
168 100
99 56.5 49.1 73.7

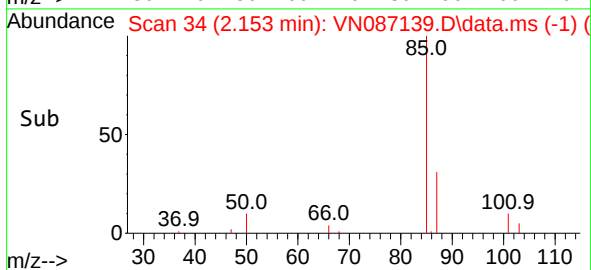
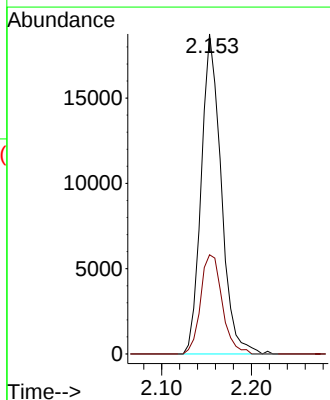
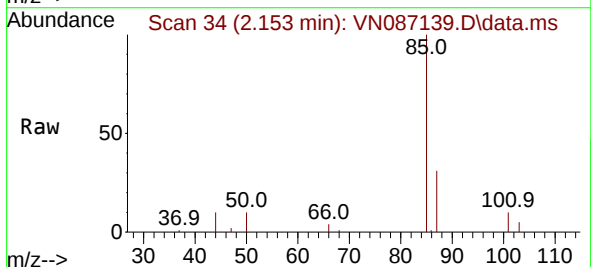
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#2
Dichlorodifluoromethane
Concen: 20.495 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Tgt Ion: 85 Resp: 28924
Ion Ratio Lower Upper
85 100
87 31.0 16.2 48.6





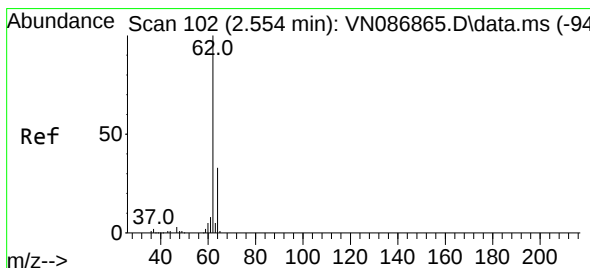
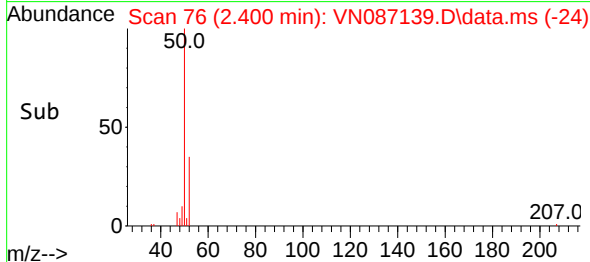
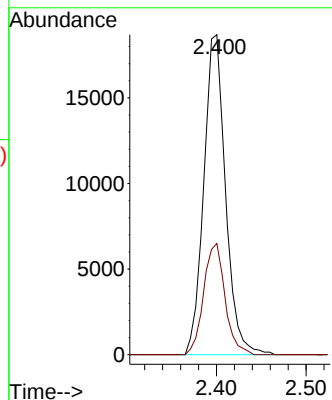
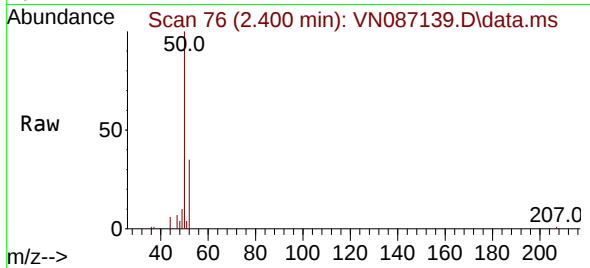
#3
Chloromethane
Concen: 17.261 ug/l
RT: 2.400 min Scan# 75
Delta R.T. 0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

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ClientSampleId :
VN0620MBS01

Tgt Ion: 50 Resp: 3145
Ion Ratio Lower Upper
50 100
52 34.7 25.7 38.5

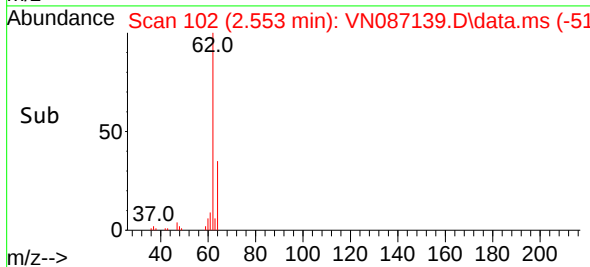
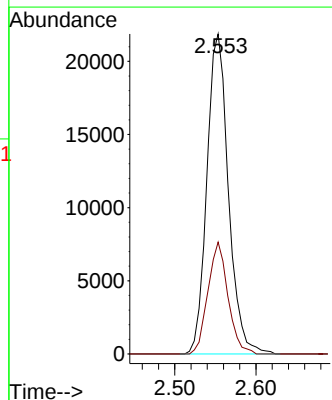
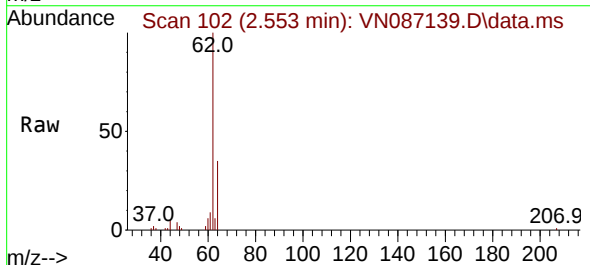
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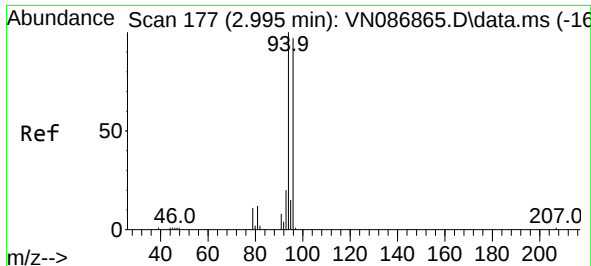
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#4
Vinyl Chloride
Concen: 21.420 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

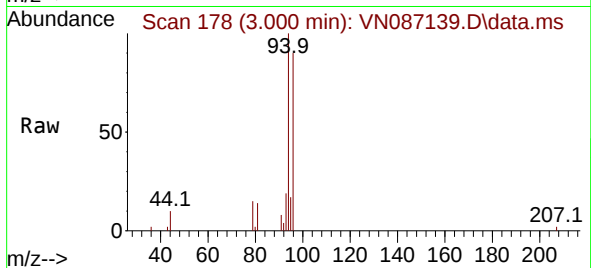
Tgt Ion: 62 Resp: 40268
Ion Ratio Lower Upper
62 100
64 35.0 26.0 39.0





#5
Bromomethane
Concen: 21.978 ug/l
RT: 3.000 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

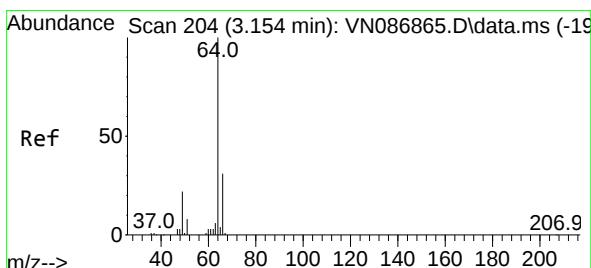
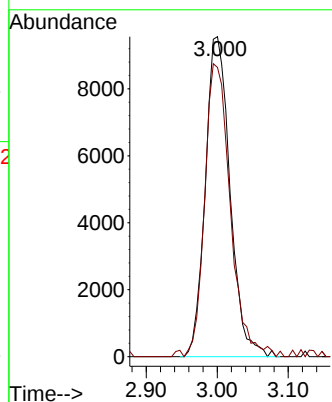
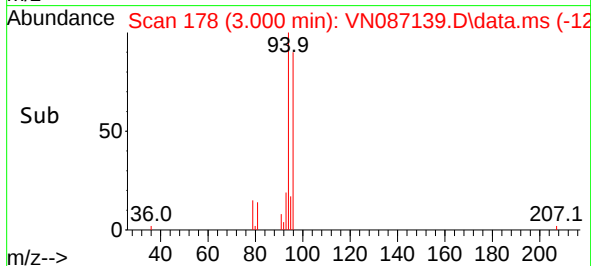
Instrument :
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ClientSampleId :
VN0620MBSD01



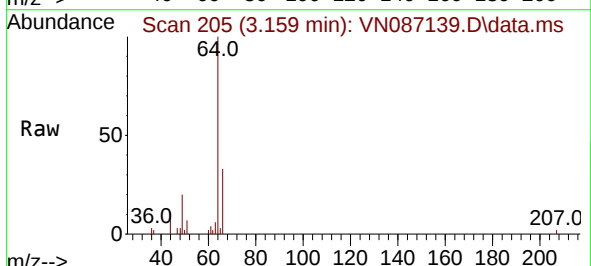
Tgt Ion: 94 Resp: 2312
Ion Ratio Lower Upper
94 100
96 88.7 77.9 116.9

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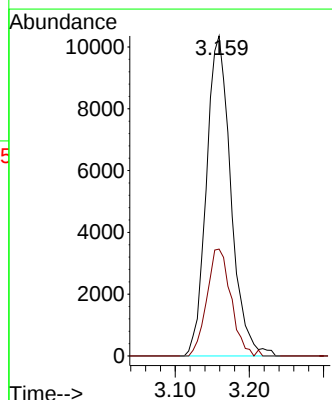
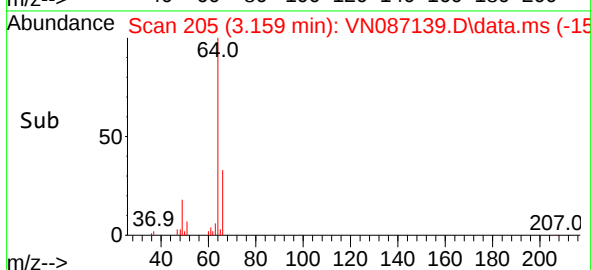
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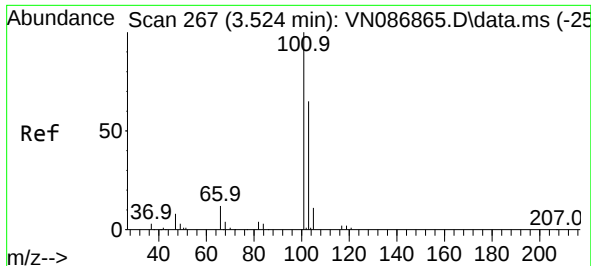


#6
Chloroethane
Concen: 19.523 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08



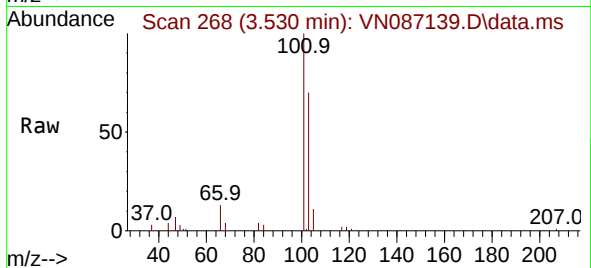
Tgt Ion: 64 Resp: 23707
Ion Ratio Lower Upper
64 100
66 33.4 24.6 36.8





#7
 Trichlorofluoromethane
 Concen: 18.965 ug/l
 RT: 3.530 min Scan# 268
 Delta R.T. 0.006 min
 Lab File: VN087139.D
 Acq: 20 Jun 2025 15:08

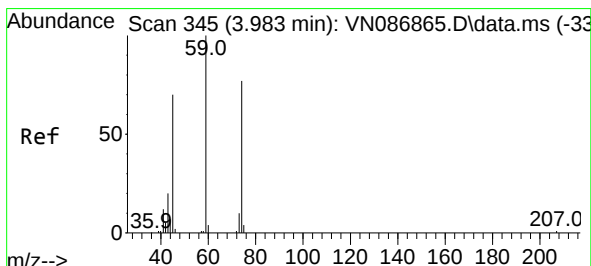
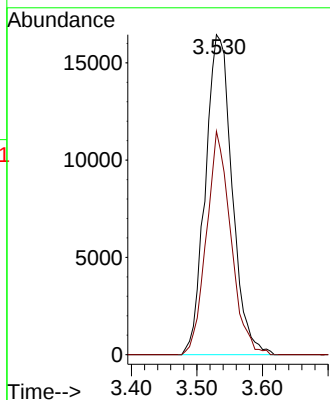
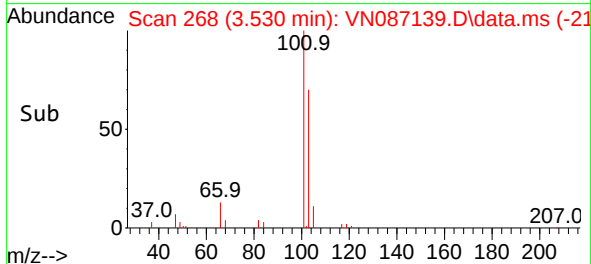
Instrument :
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 ClientSampleId :
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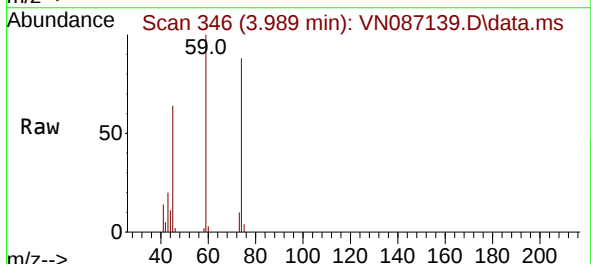
Tgt Ion:101 Resp: 4658
 Ion Ratio Lower Upper
 101 100
 103 69.8 52.2 78.2

Manual Integrations
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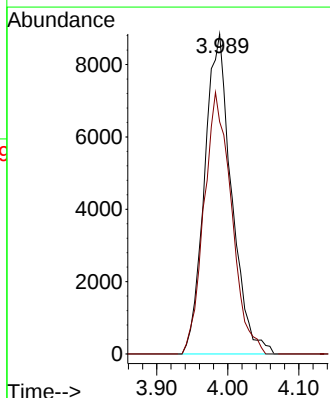
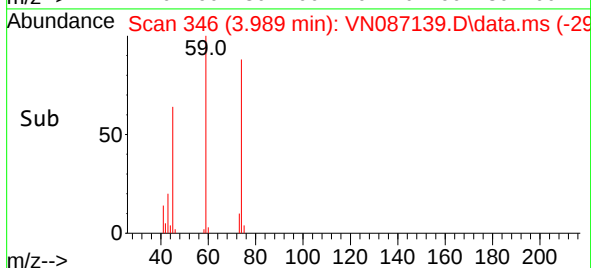
Reviewed By :John Carlone 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025



#8
 Diethyl Ether
 Concen: 21.862 ug/l
 RT: 3.989 min Scan# 346
 Delta R.T. 0.006 min
 Lab File: VN087139.D
 Acq: 20 Jun 2025 15:08



Tgt Ion: 74 Resp: 23396
 Ion Ratio Lower Upper
 74 100
 45 83.2 45.5 136.5





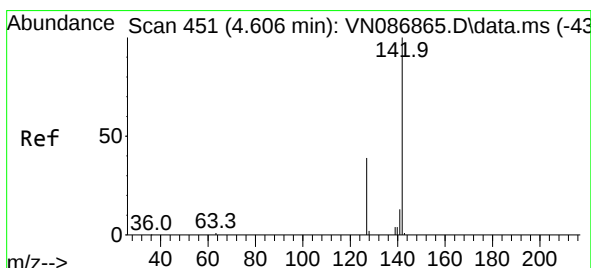
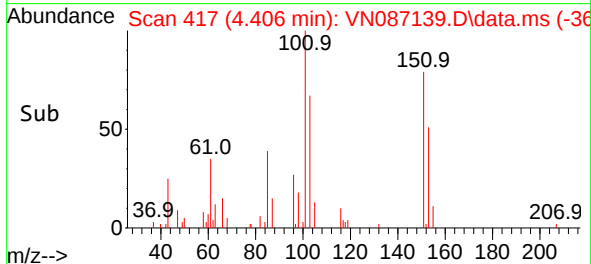
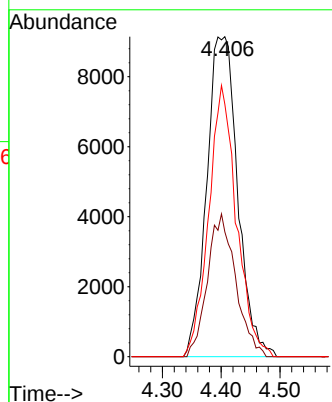
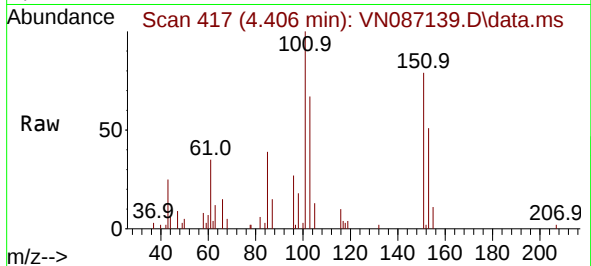
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1,1,2-Trichlorotrifluoroethane
Concen: 21.683 ug/l
RT: 4.406 min Scan# 415
Delta R.T. 0.011 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

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Tgt Ion:101 Resp: 33460
Ion Ratio Lower Upper
101 100
85 40.7 33.8 50.8
151 76.0 58.7 88.1

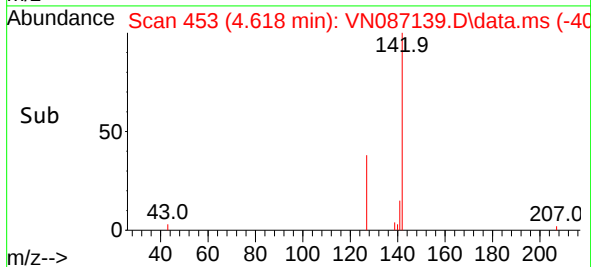
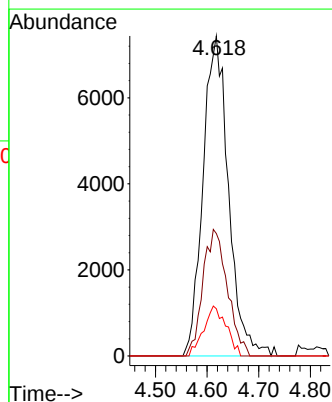
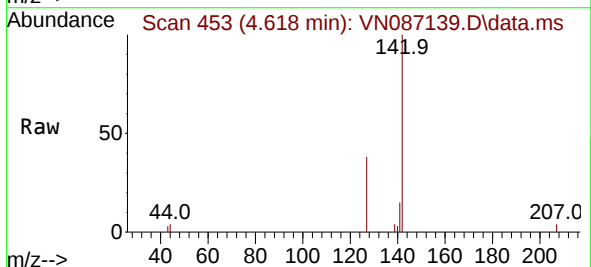
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#10
Methyl Iodide
Concen: 12.755 ug/l
RT: 4.618 min Scan# 453
Delta R.T. 0.011 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Tgt Ion:142 Resp: 25515
Ion Ratio Lower Upper
142 100
127 38.3 30.9 46.3
141 14.7 10.4 15.6





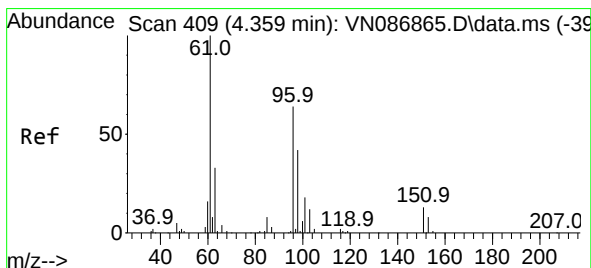
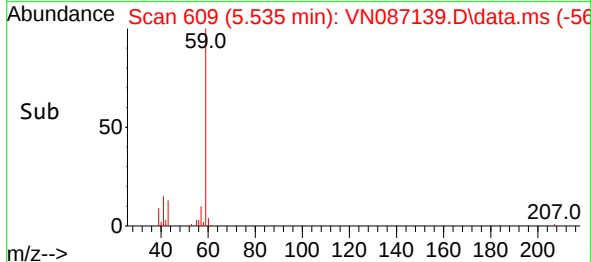
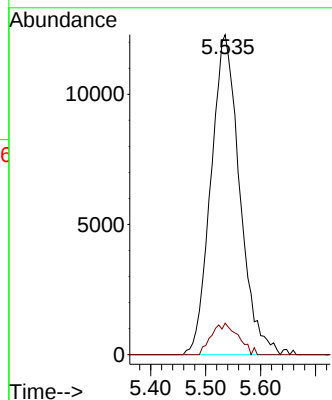
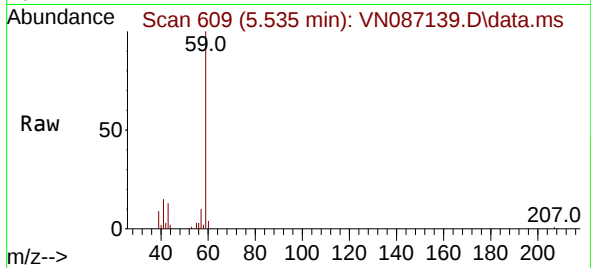
#11
Tert butyl alcohol
Concen: 86.778 ug/l
RT: 5.535 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBSD01

Tgt Ion: 59 Resp: 44624
Ion Ratio Lower Upper
59 100
57 4.1 8.1 12.1

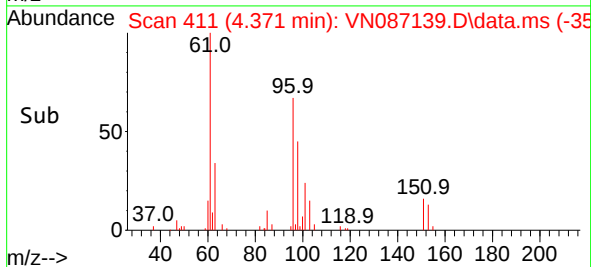
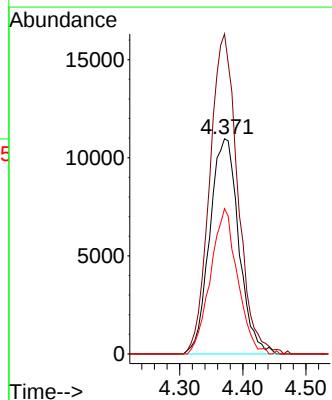
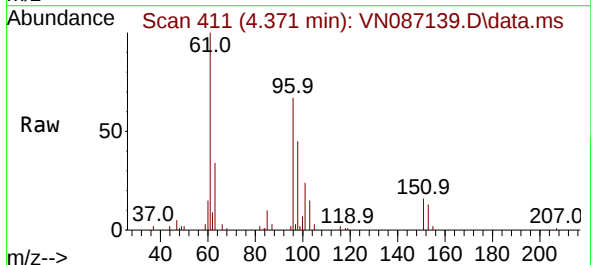
Manual Integrations
APPROVED

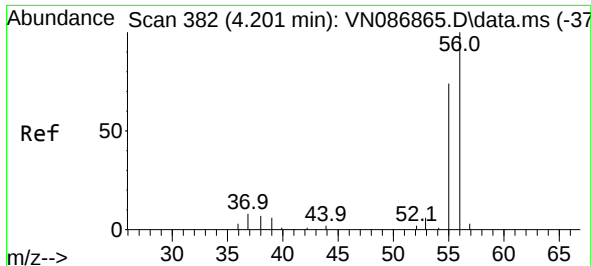
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#12
1,1-Dichloroethene
Concen: 22.228 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.011 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

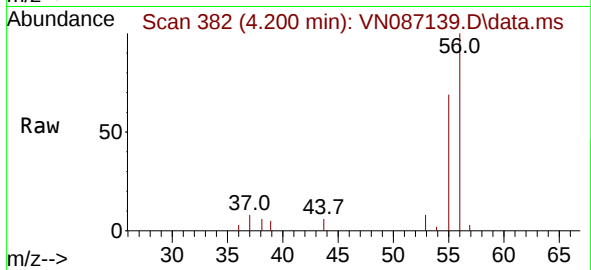
Tgt Ion: 96 Resp: 35019
Ion Ratio Lower Upper
96 100
61 148.6 125.8 188.6
98 67.5 52.5 78.7





#13
Acrolein
Concen: 124.002 ug/l
RT: 4.200 min Scan# 318
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

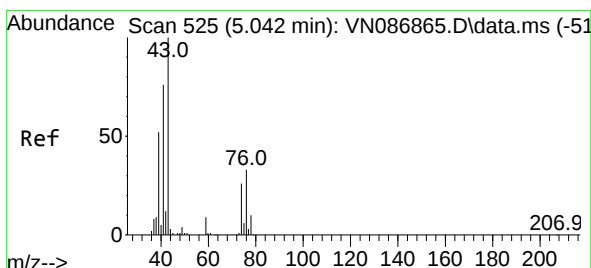
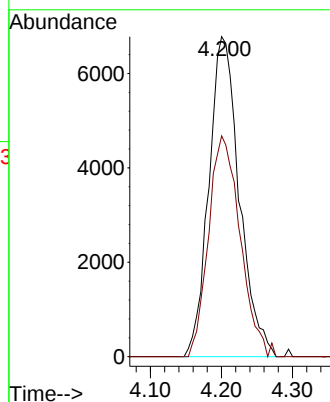
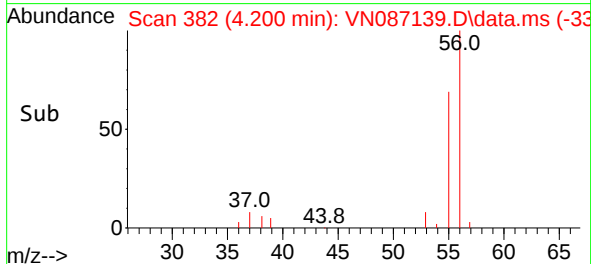
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01



Tgt Ion: 56 Resp: 20184
Ion Ratio Lower Upper
56 100
55 71.7 55.6 83.4

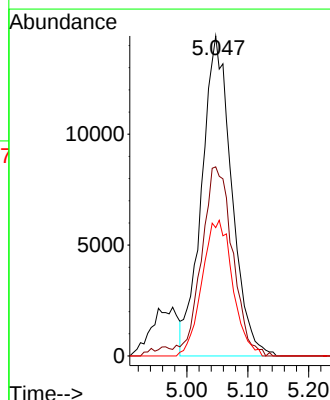
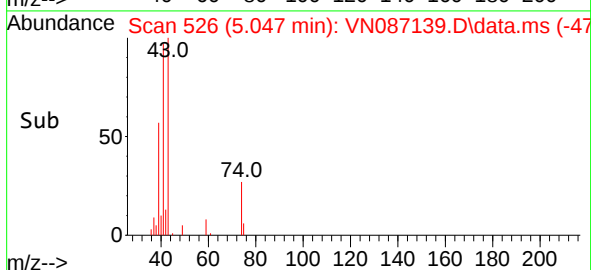
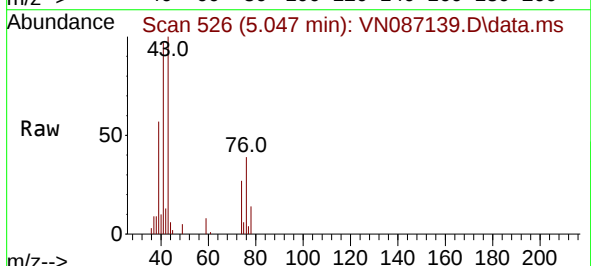
Manual Integrations
APPROVED

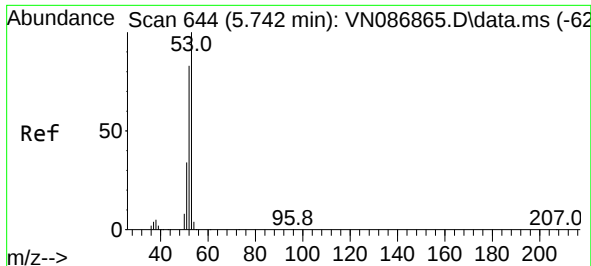
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#14
Allyl chloride
Concen: 18.850 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

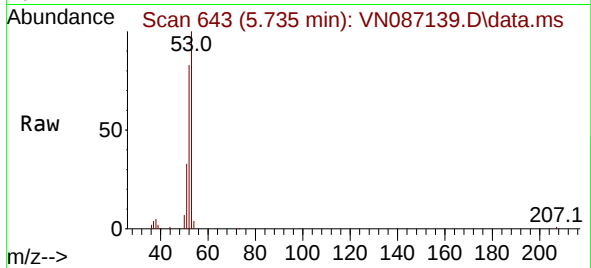
Tgt Ion: 41 Resp: 49252
Ion Ratio Lower Upper
41 100
39 61.6 51.3 76.9
76 43.3 31.4 47.0





#15
Acrylonitrile
Concen: 98.914 ug/l
RT: 5.735 min Scan# 644
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

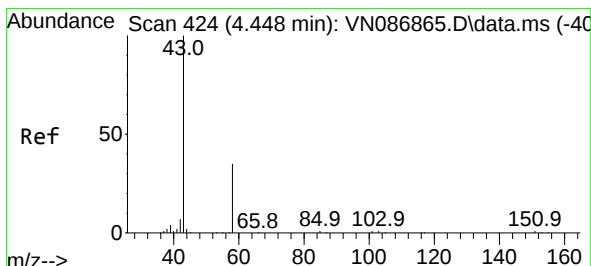
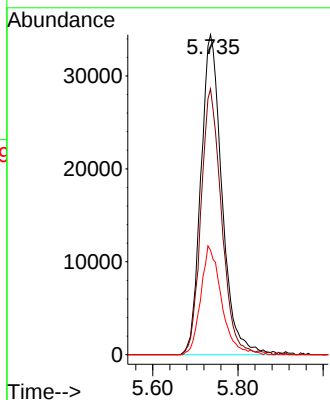
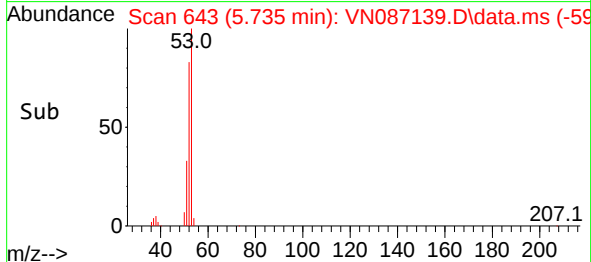
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBSD01



Tgt Ion: 53 Resp: 11888
Ion Ratio Lower Upper
53 100
52 80.3 65.0 97.6
51 33.4 27.2 40.8

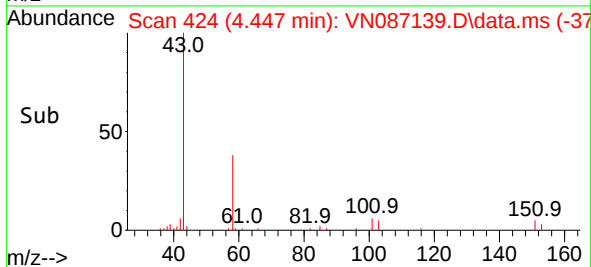
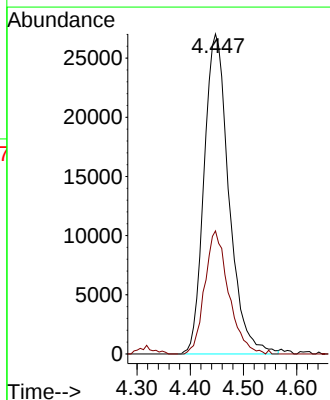
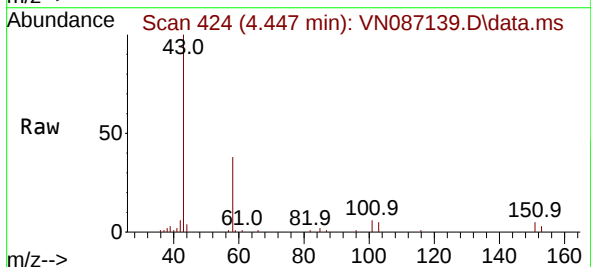
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#16
Acetone
Concen: 87.138 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Tgt Ion: 43 Resp: 87575
Ion Ratio Lower Upper
43 100
58 38.5 28.0 42.0





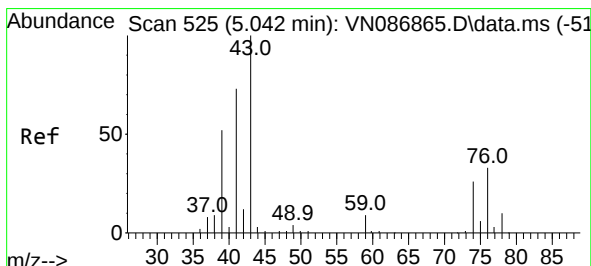
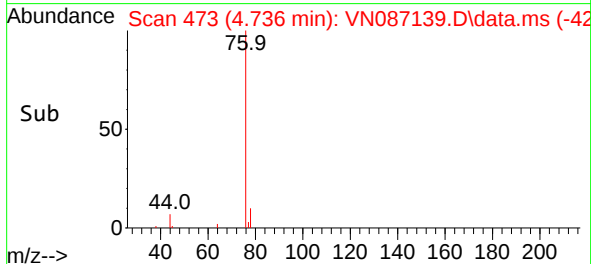
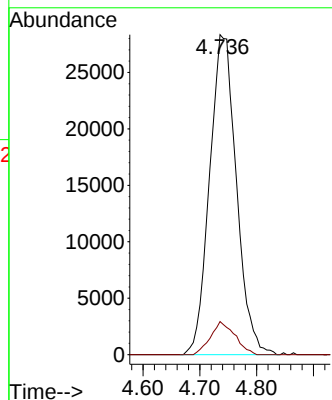
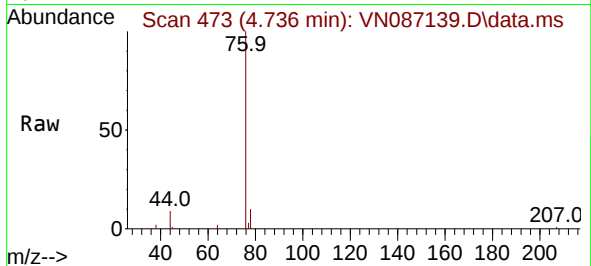
#17
Carbon Disulfide
Concen: 21.352 ug/l
RT: 4.736 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01

Tgt Ion: 76 Resp: 9304
Ion Ratio Lower Upper
76 100
78 10.3 7.3 10.9

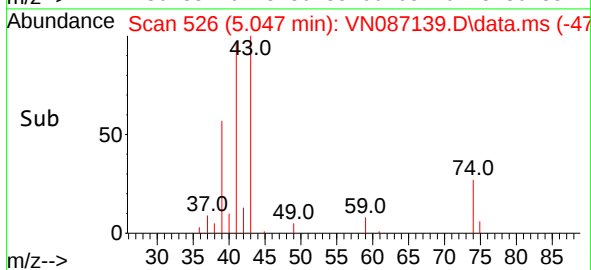
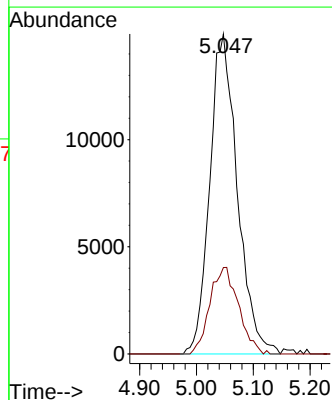
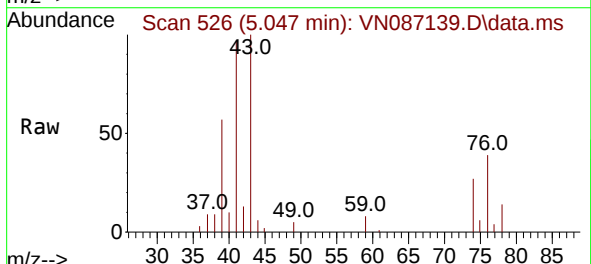
Manual Integrations
APPROVED

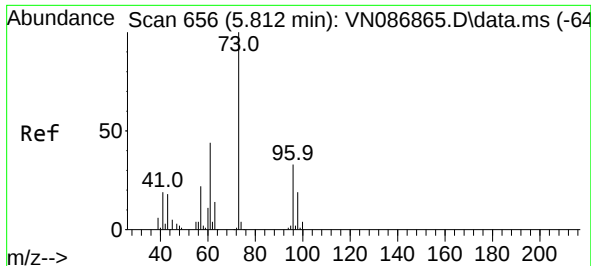
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#18
Methyl Acetate
Concen: 17.194 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

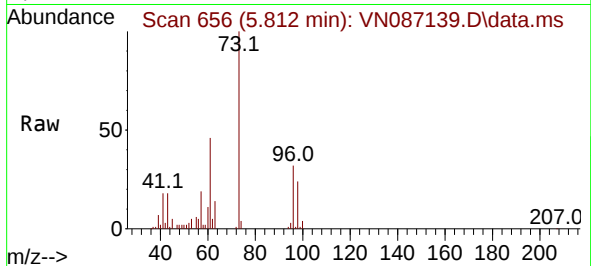
Tgt Ion: 43 Resp: 50356
Ion Ratio Lower Upper
43 100
74 28.1 20.7 31.1





#19
Methyl tert-butyl Ether
Concen: 21.235 ug/l
RT: 5.812 min Scan# 656
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

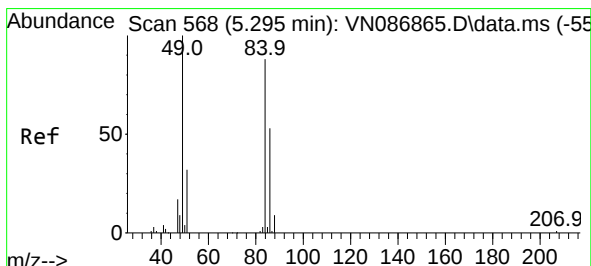
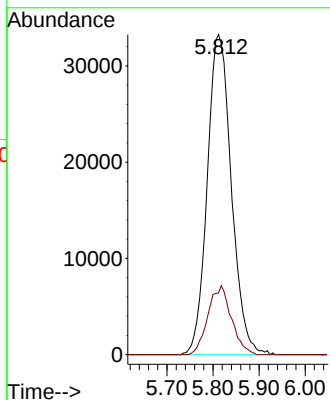
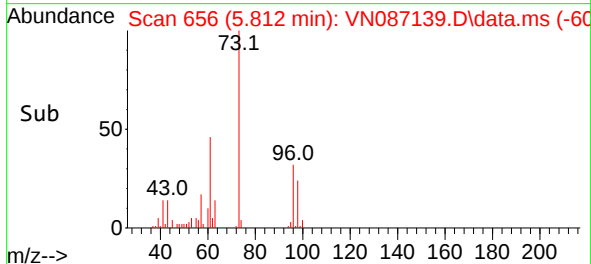
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01



Tgt Ion: 73 Resp: 12113
Ion Ratio Lower Upper
73 100
57 19.3 17.4 26.2

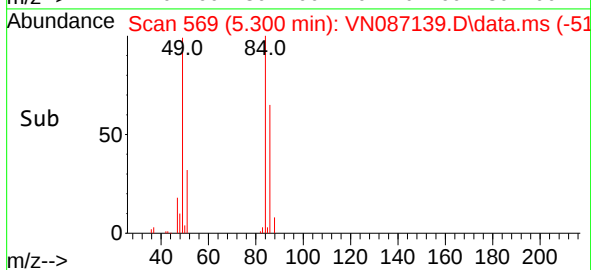
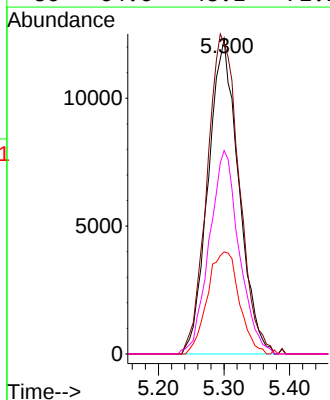
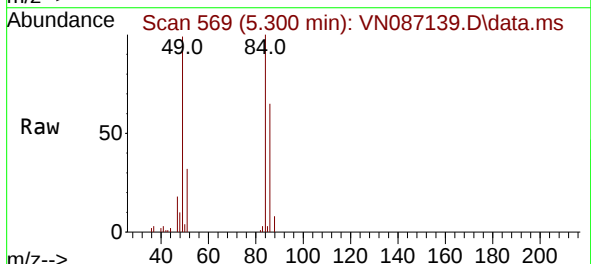
Manual Integrations
APPROVED

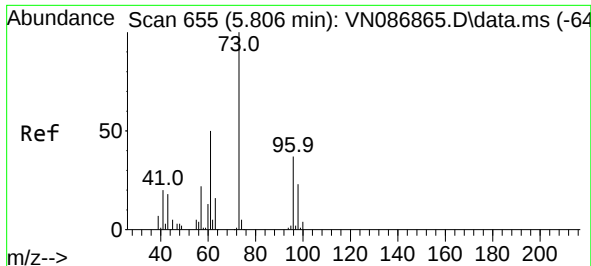
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#20
Methylene Chloride
Concen: 21.123 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

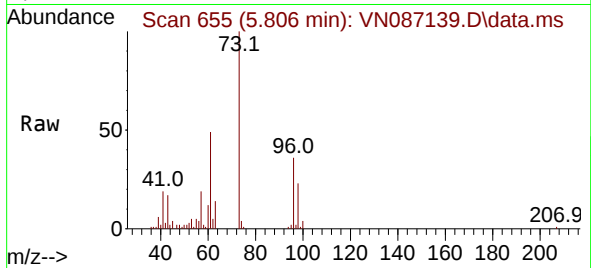
Tgt Ion: 84 Resp: 39744
Ion Ratio Lower Upper
84 100
49 98.8 90.5 135.7
51 32.4 28.5 42.7
86 64.6 48.1 72.1





#21
trans-1,2-Dichloroethene
Concen: 21.221 ug/l
RT: 5.806 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

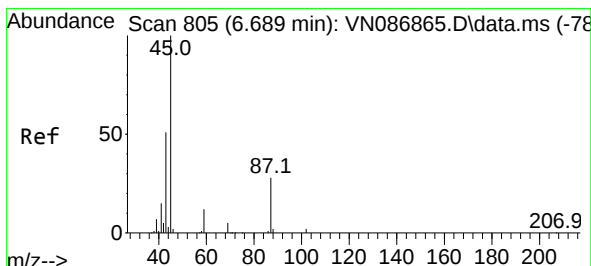
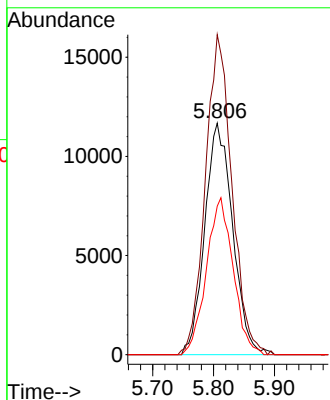
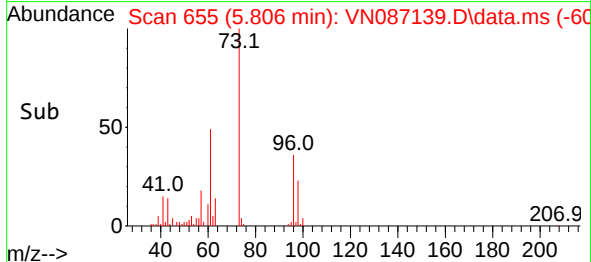
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01



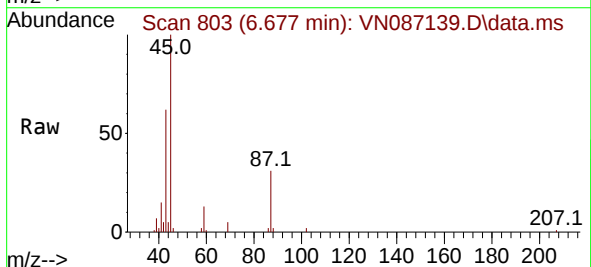
Tgt Ion: 96 Resp: 3719
Ion Ratio Lower Upper
96 100
61 138.2 109.2 163.8
98 64.1 49.8 74.8

Manual Integrations
APPROVED

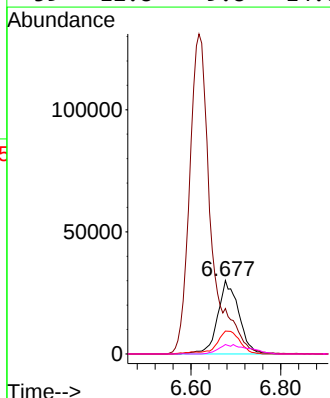
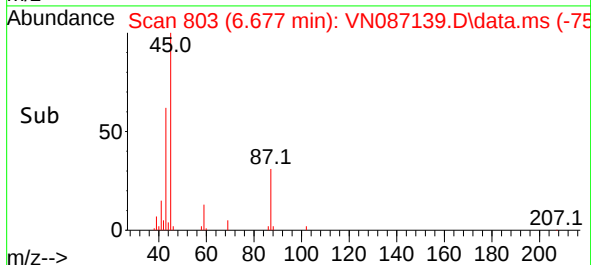
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#22
Diisopropyl ether
Concen: 17.754 ug/l
RT: 6.677 min Scan# 803
Delta R.T. -0.012 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08



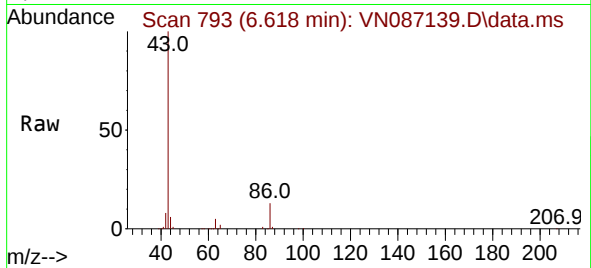
Tgt Ion: 45 Resp: 97780
Ion Ratio Lower Upper
45 100
43 61.0 41.9 62.9
87 31.2 22.4 33.6
59 12.8 9.8 14.6





#23
 Vinyl Acetate
 Concen: 92.771 ug/l
 RT: 6.618 min Scan# 793
 Delta R.T. -0.000 min
 Lab File: VN087139.D
 Acq: 20 Jun 2025 15:08

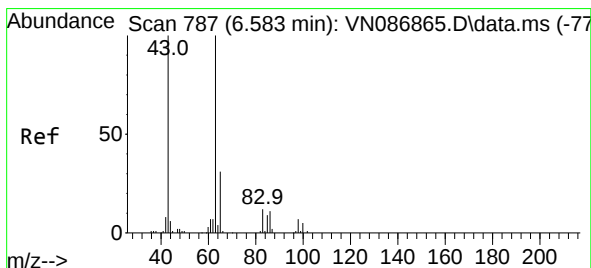
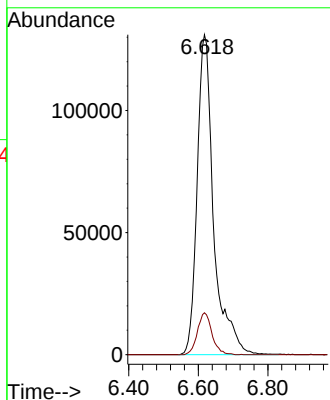
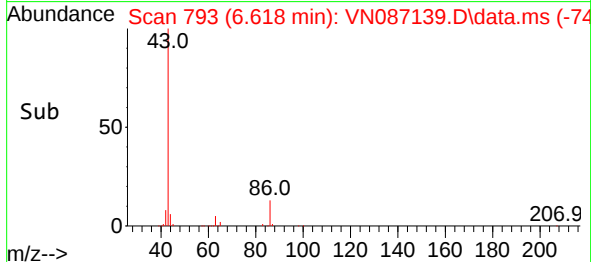
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620MBS01



Tgt Ion: 43 Resp: 431690
 Ion Ratio Lower Upper
 43 100
 86 13.1 9.5 14.3

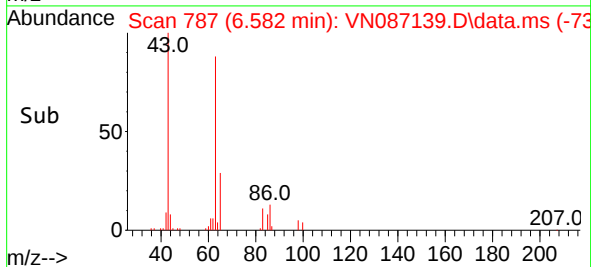
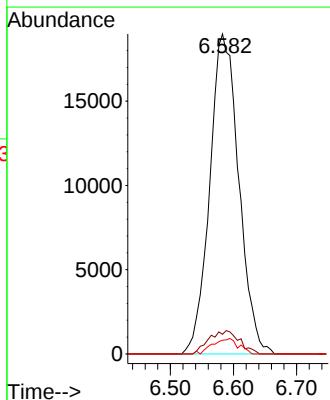
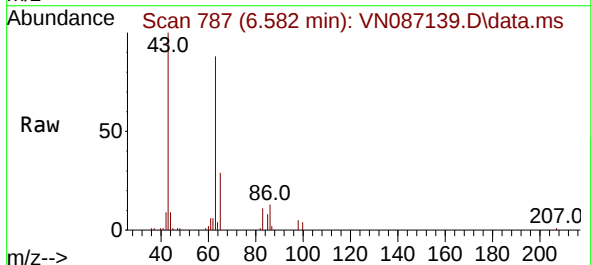
Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025



#24
 1,1-Dichloroethane
 Concen: 19.156 ug/l
 RT: 6.582 min Scan# 787
 Delta R.T. -0.000 min
 Lab File: VN087139.D
 Acq: 20 Jun 2025 15:08

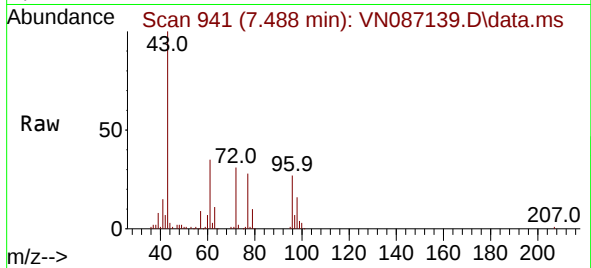
Tgt Ion: 63 Resp: 60714
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.6 10.8
 100 4.3 2.6 7.8





#25
2-Butanone
Concen: 77.763 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

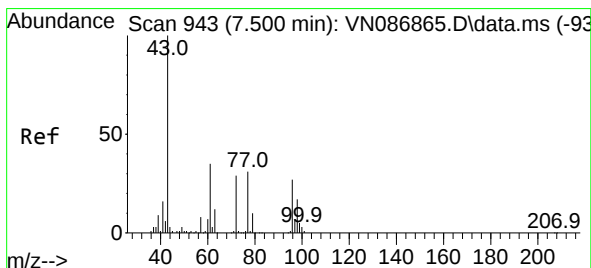
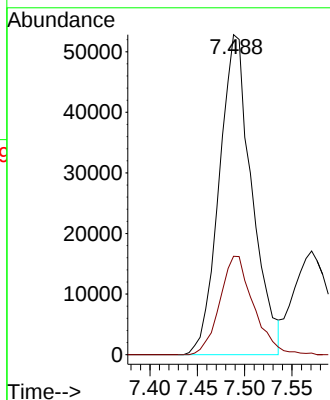
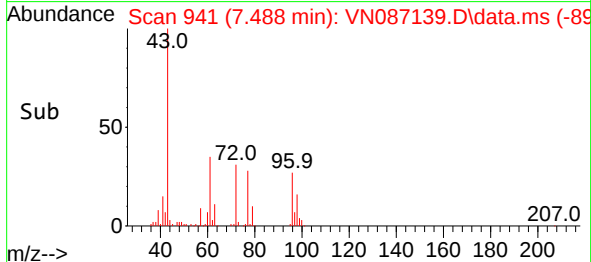
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01



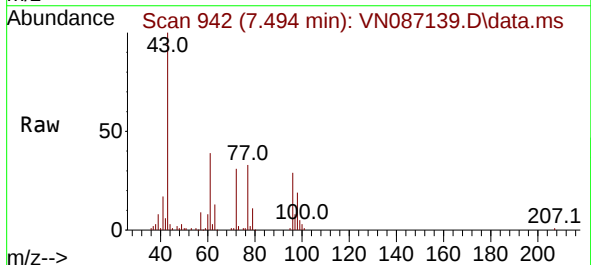
Tgt Ion: 43 Resp: 127034
Ion Ratio Lower Upper
43 100
72 30.7 23.0 34.6

Manual Integrations
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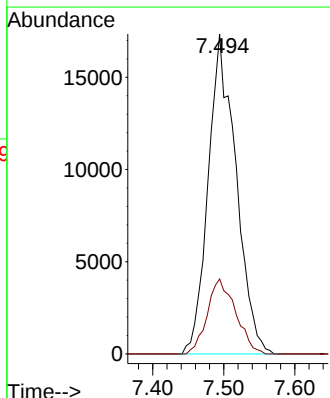
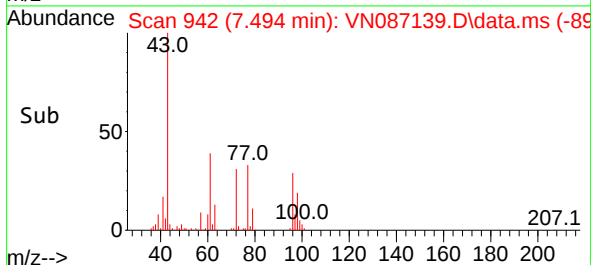
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#26
2,2-Dichloropropane
Concen: 19.097 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08



Tgt Ion: 77 Resp: 47083
Ion Ratio Lower Upper
77 100
97 23.9 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 18.580 ug/l

RT: 7.494 min Scan# 94

Delta R.T. -0.006 min

Lab File: VN087139.D

Acq: 20 Jun 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN0620MBS01

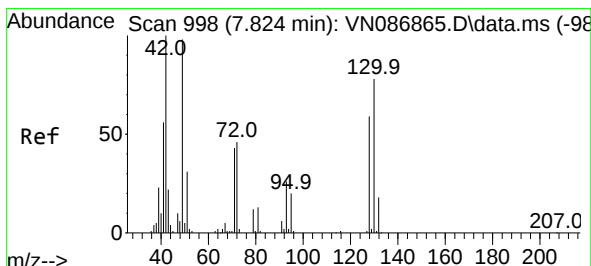
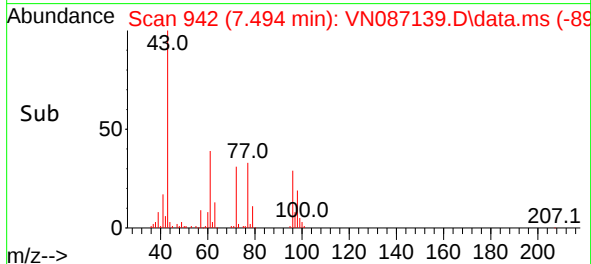
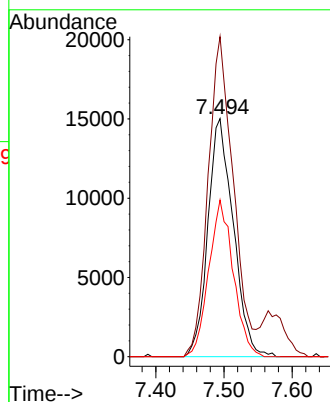
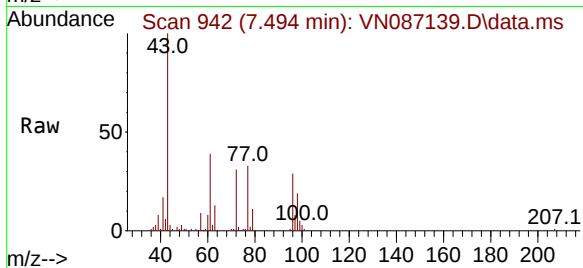
Tgt Ion:	96	Resp:	38949
Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	278.0
98	63.5	0.0	128.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#28

Bromochloromethane

Concen: 18.912 ug/l

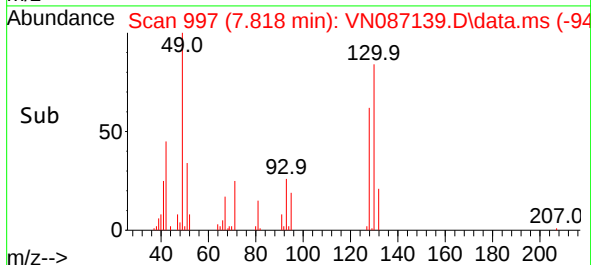
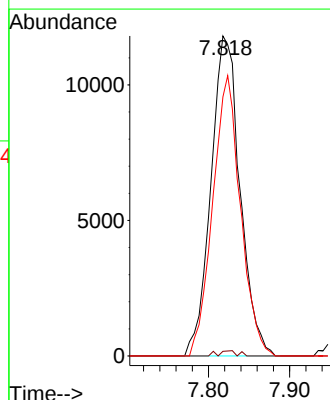
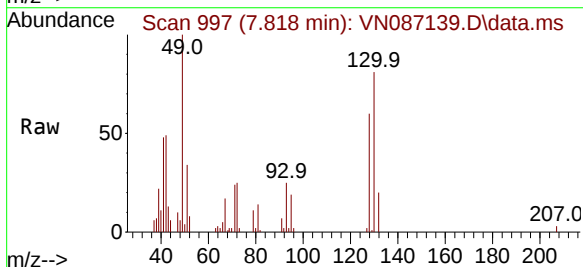
RT: 7.818 min Scan# 997

Delta R.T. -0.006 min

Lab File: VN087139.D

Acq: 20 Jun 2025 15:08

Tgt Ion:	49	Resp:	29472
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	83.5	62.2	93.2





#29

Tetrahydrofuran

Concen: 80.949 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. -0.006 min

Lab File: VN087139.D

Acq: 20 Jun 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN0620MBS01

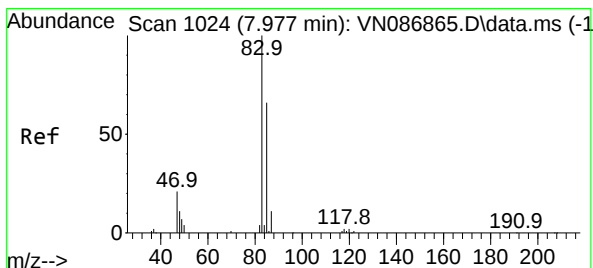
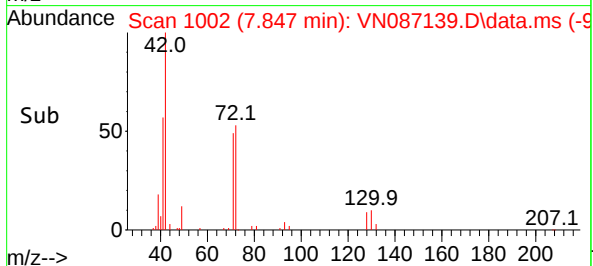
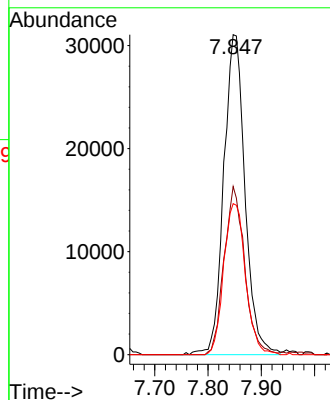
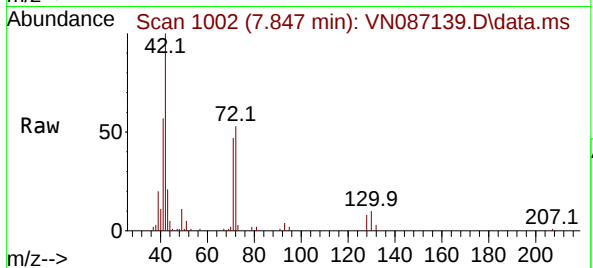
Tgt Ion:	42	Resp:	8614
Ion Ratio	Lower	Upper	
42	100		
72	50.9	37.8	56.6
71	48.3	35.6	53.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#30

Chloroform

Concen: 19.342 ug/l

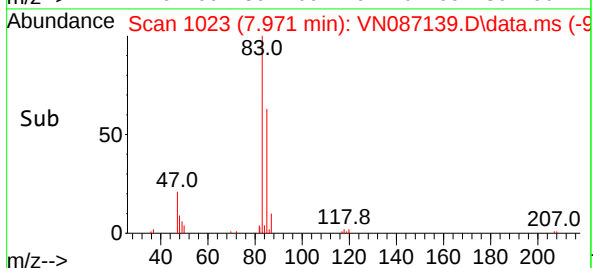
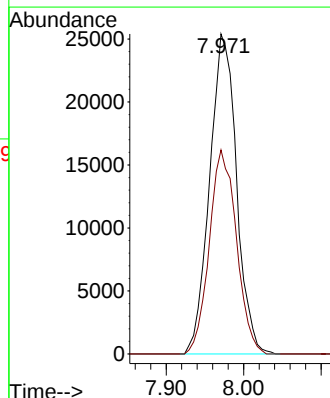
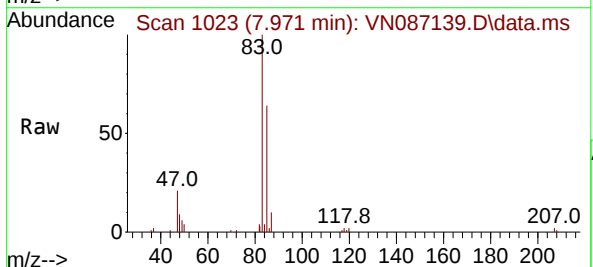
RT: 7.971 min Scan# 1023

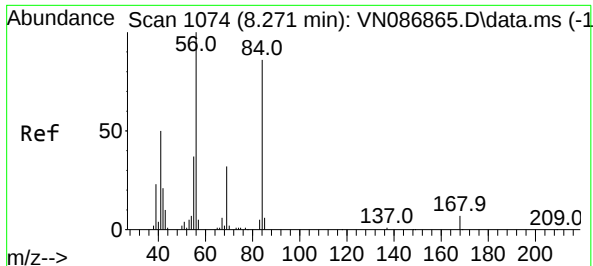
Delta R.T. -0.006 min

Lab File: VN087139.D

Acq: 20 Jun 2025 15:08

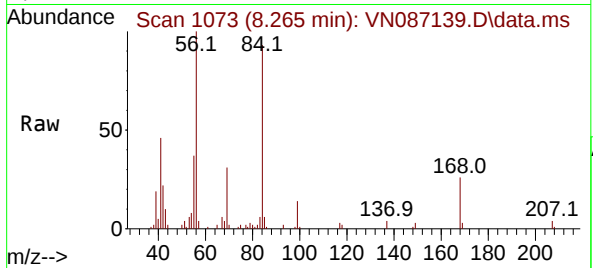
Tgt Ion:	83	Resp:	61223
Ion Ratio	Lower	Upper	
83	100		
85	63.7	52.9	79.3





#31
Cyclohexane
Concen: 17.898 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

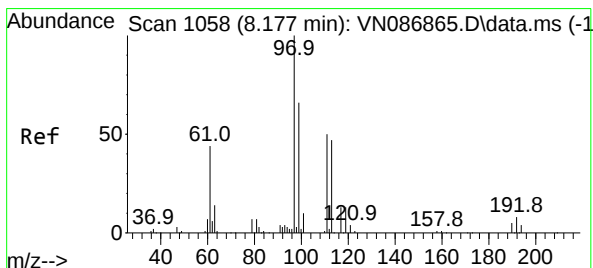
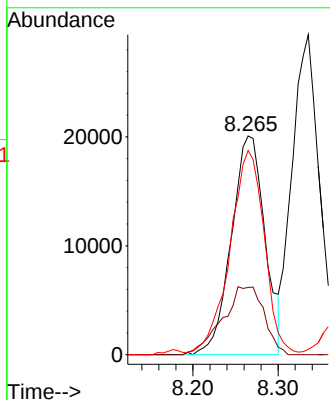
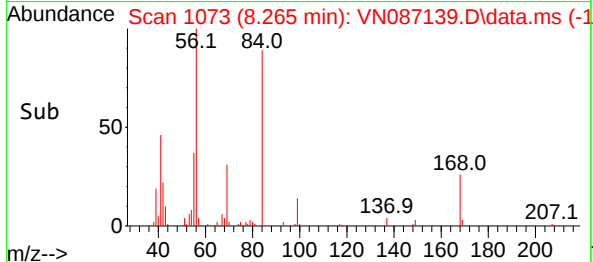
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01



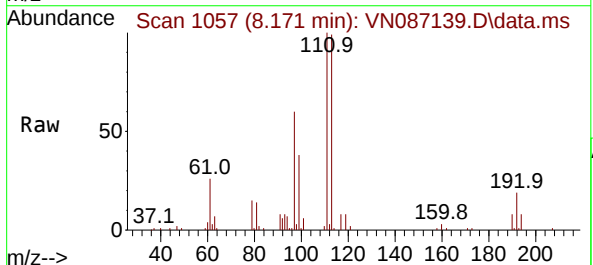
Tgt Ion: 56 Resp: 5501
Ion Ratio Lower Upper
56 100
69 30.7 25.4 38.0
84 91.5 68.8 103.2

Manual Integrations
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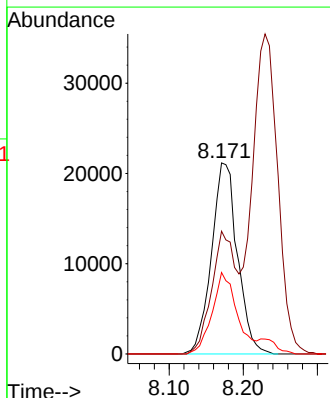
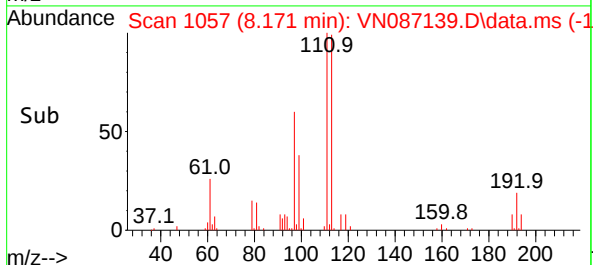
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

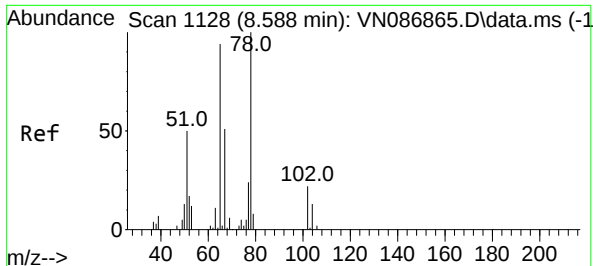


#32
1,1,1-Trichloroethane
Concen: 19.138 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08



Tgt Ion: 97 Resp: 51521
Ion Ratio Lower Upper
97 100
99 59.6 52.0 78.0
61 41.2 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 52.223 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087139.D

Acq: 20 Jun 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN0620MBSD01

Tgt Ion: 65 Resp: 9897

Ion Ratio Lower Upper

65 100

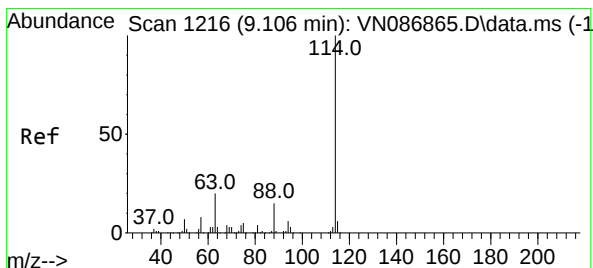
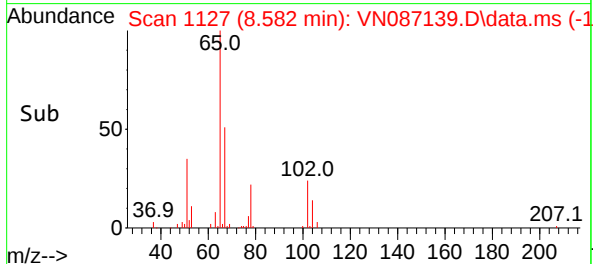
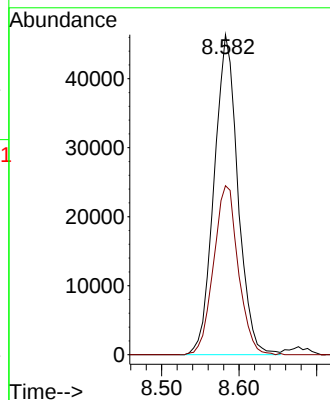
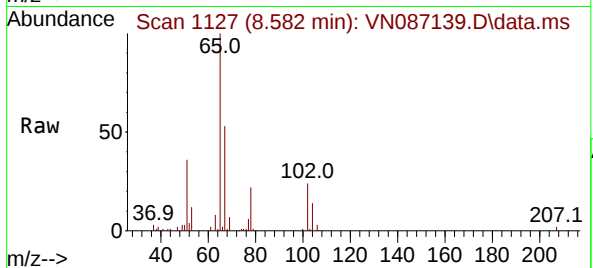
67 54.8 0.0 105.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087139.D

Acq: 20 Jun 2025 15:08

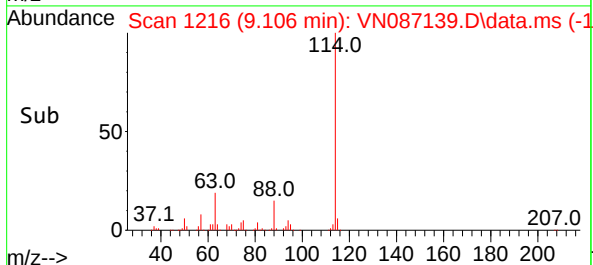
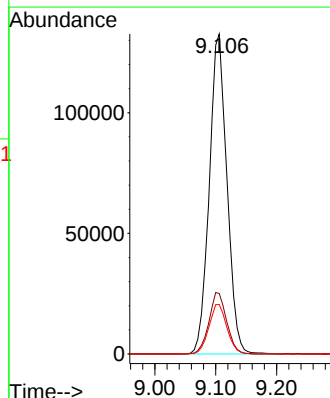
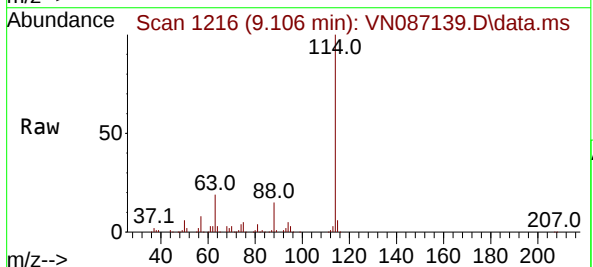
Tgt Ion:114 Resp: 267175

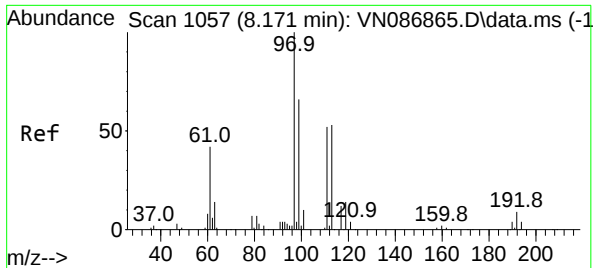
Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

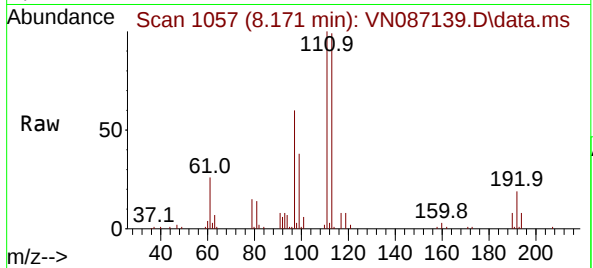
88 15.4 0.0 30.2





#35
Dibromofluoromethane
Concen: 51.528 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

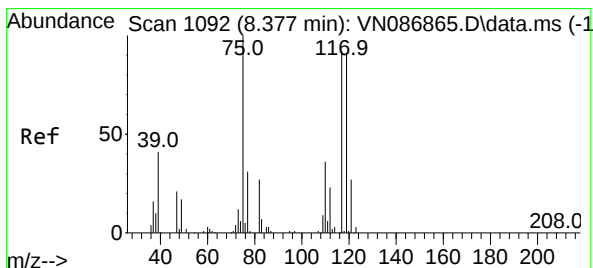
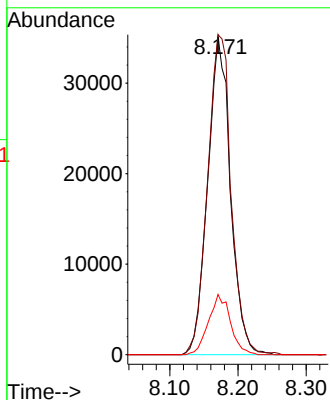
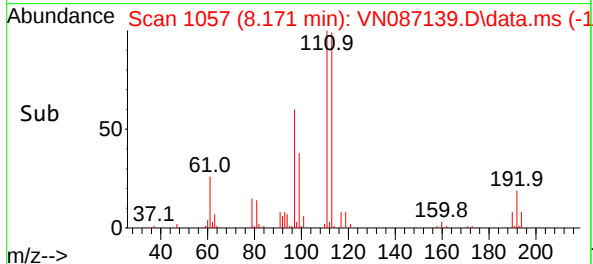
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01



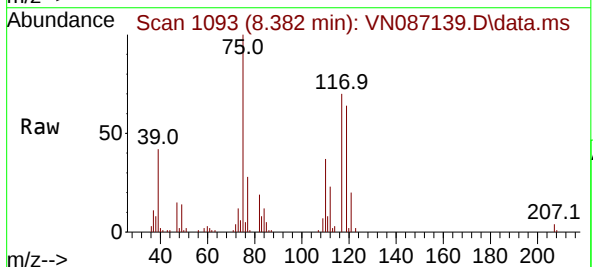
Tgt Ion: 113 Resp: 81580
Ion Ratio Lower Upper
113 100
111 104.4 84.2 126.2
192 18.3 14.2 21.4

Manual Integrations
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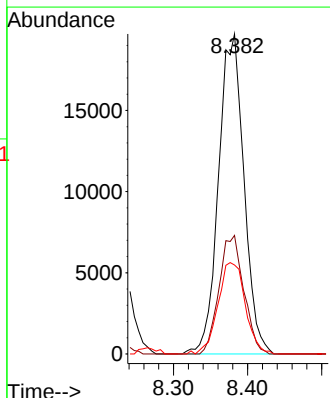
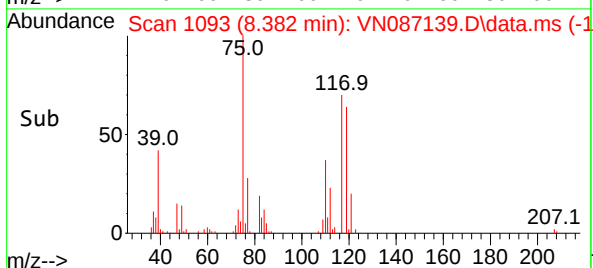
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#36
1,1-Dichloropropene
Concen: 19.874 ug/l
RT: 8.382 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08



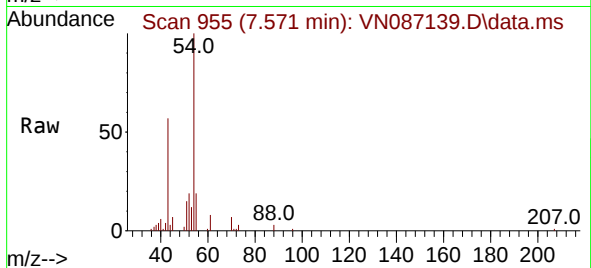
Tgt Ion: 75 Resp: 46890
Ion Ratio Lower Upper
75 100
110 36.1 17.6 52.9
77 30.7 25.3 37.9





#37
Ethyl Acetate
Concen: 15.355 ug/l
RT: 7.571 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

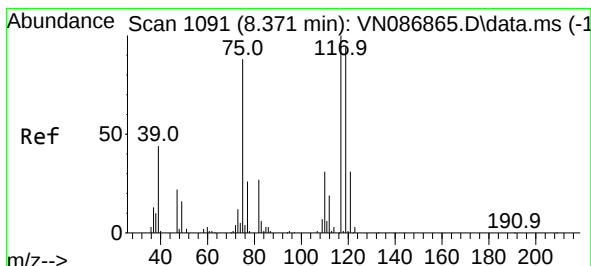
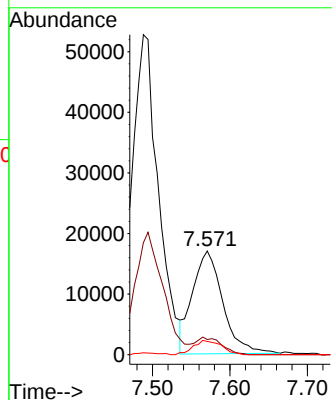
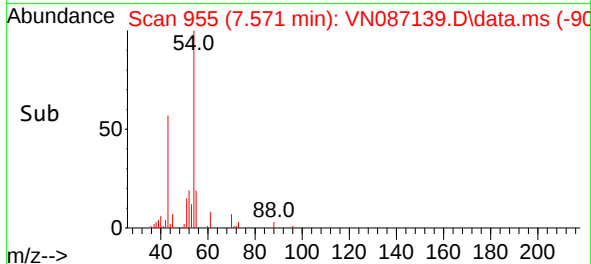
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01



Tgt Ion: 43 Resp: 4611
Ion Ratio Lower Upper
43 100
61 14.7 12.1 18.1
70 12.8 9.8 14.6

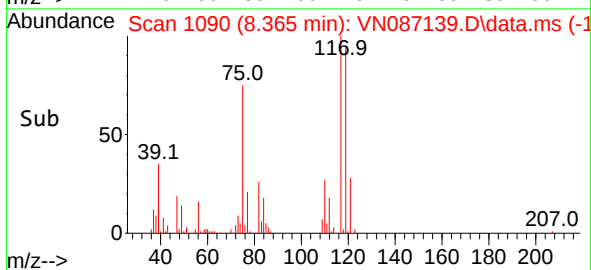
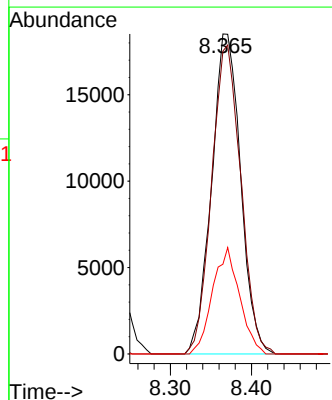
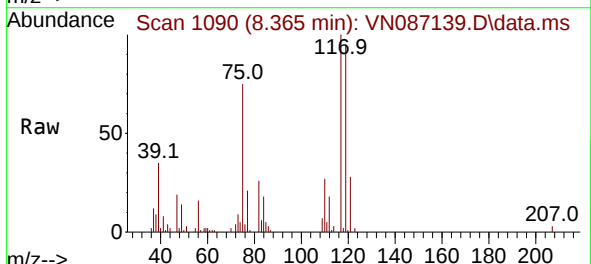
Manual Integrations
APPROVED

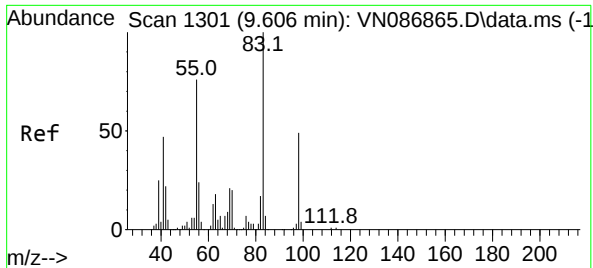
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#38
Carbon Tetrachloride
Concen: 19.844 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

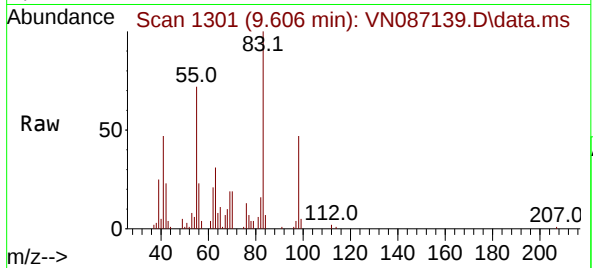
Tgt Ion:117 Resp: 45964
Ion Ratio Lower Upper
117 100
119 94.6 75.0 112.6
121 28.0 24.9 37.3





#39
Methylcyclohexane
Concen: 15.183 ug/l
RT: 9.606 min Scan# 11301
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

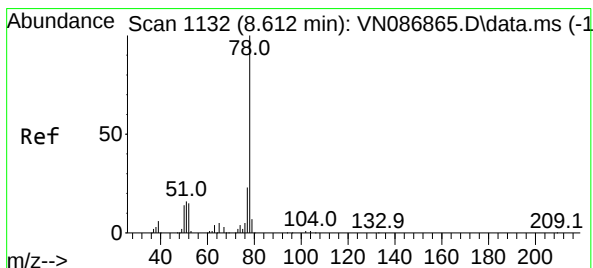
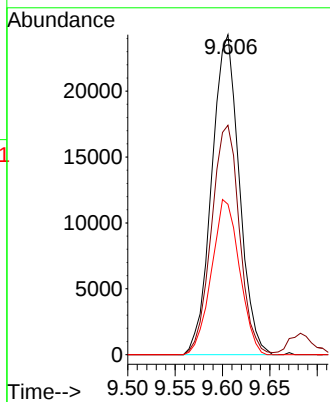
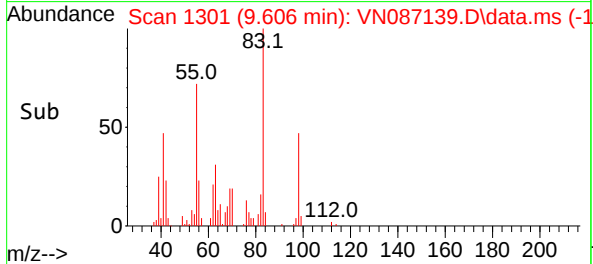
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBSD01



Tgt Ion: 83 Resp: 49078
Ion Ratio Lower Upper
83 100
55 71.7 61.0 91.6
98 47.0 38.9 58.3

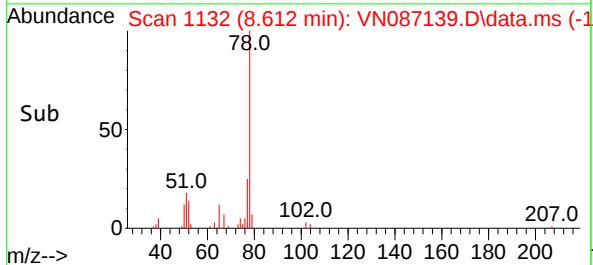
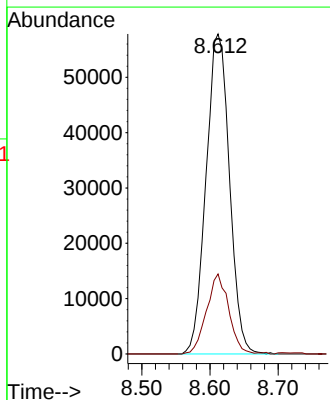
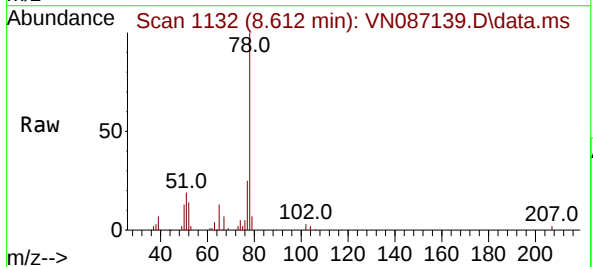
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#40
Benzene
Concen: 17.921 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

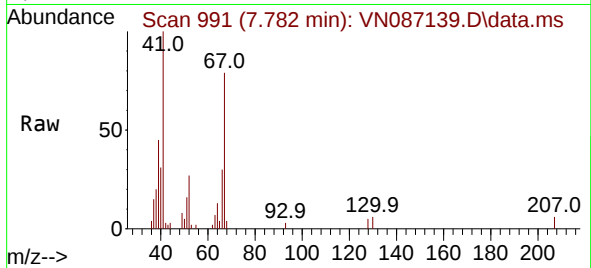
Tgt Ion: 78 Resp: 138264
Ion Ratio Lower Upper
78 100
77 25.0 18.7 28.1





#41
Methacrylonitrile
Concen: 16.177 ug/l
RT: 7.782 min Scan# 991
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

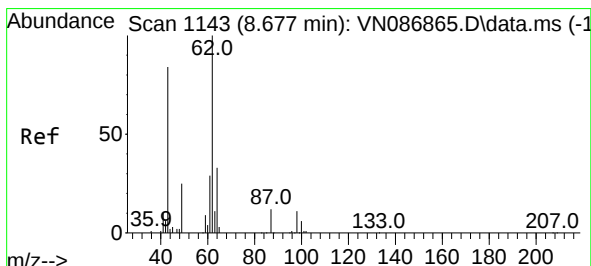
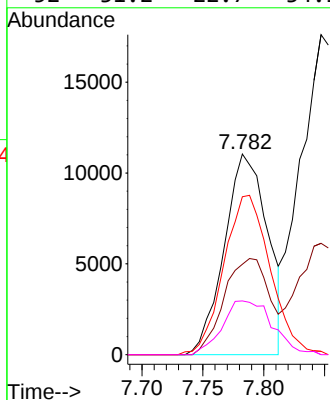
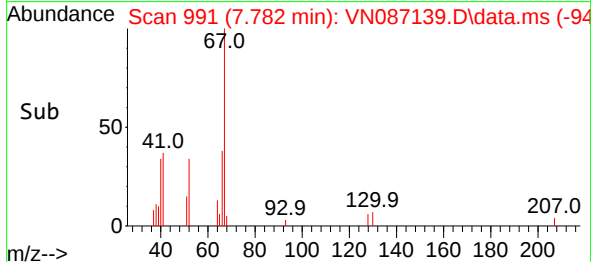
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01



Tgt Ion: 41 Resp: 2728
Ion Ratio Lower Upper
41 100
39 50.1 41.2 61.8
67 85.3 61.4 92.2
52 31.2 22.7 34.1

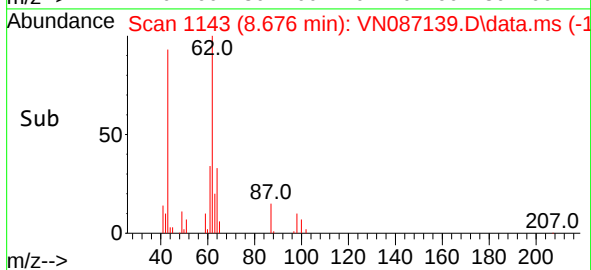
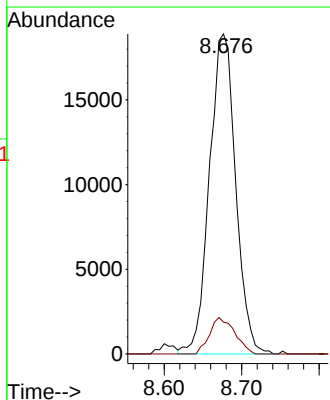
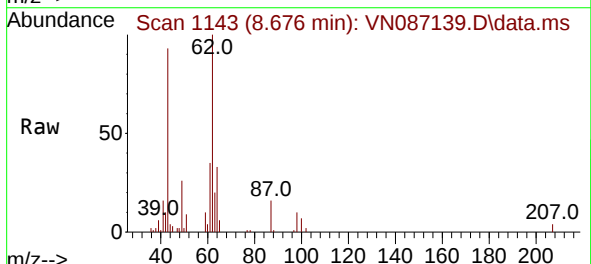
Manual Integrations
APPROVED

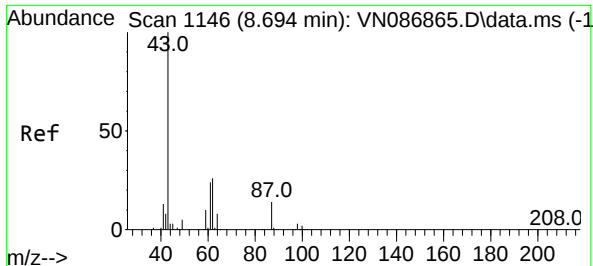
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#42
1,2-Dichloroethane
Concen: 19.008 ug/l
RT: 8.676 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Tgt Ion: 62 Resp: 44479
Ion Ratio Lower Upper
62 100
98 10.9 0.0 21.2





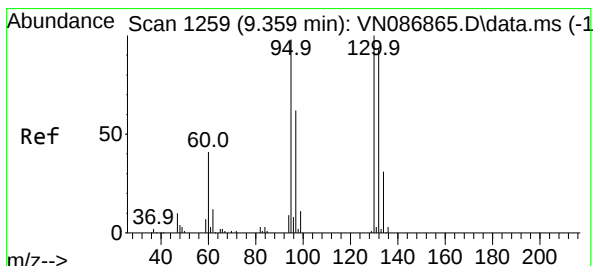
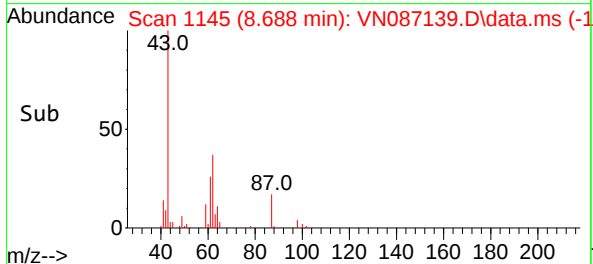
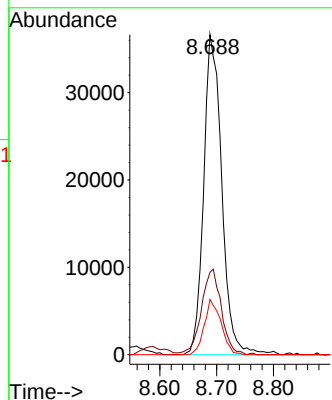
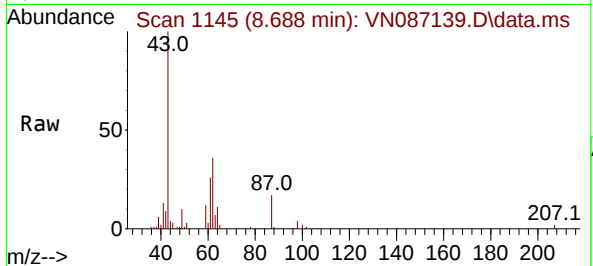
#43
Isopropyl Acetate
Concen: 16.824 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01

Tgt Ion: 43 Resp: 81100
Ion Ratio Lower Upper
43 100
61 29.5 22.1 33.1
87 15.9 11.8 17.6

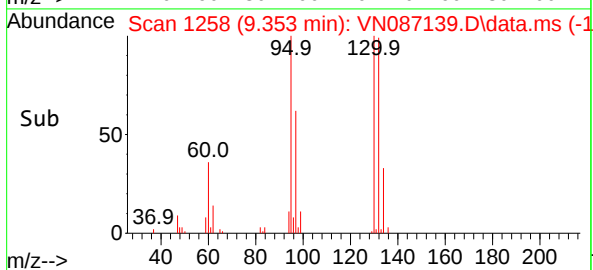
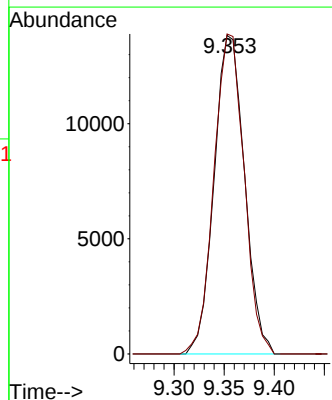
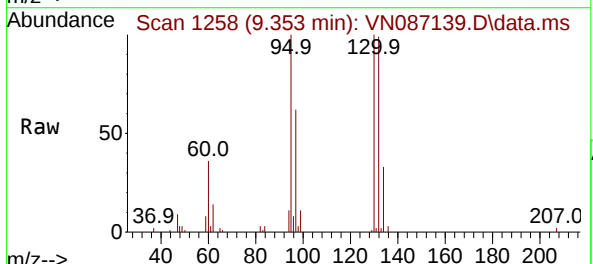
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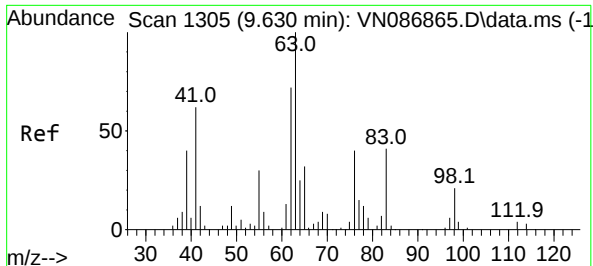
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#44
Trichloroethene
Concen: 15.929 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Tgt Ion:130 Resp: 29140
Ion Ratio Lower Upper
130 100
95 100.5 0.0 196.2





#45

1,2-Dichloropropane

Concen: 18.243 ug/l

RT: 9.623 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN087139.D

Acq: 20 Jun 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN0620MBS01

Tgt Ion: 63 Resp: 3424

Ion Ratio Lower Upper

63 100

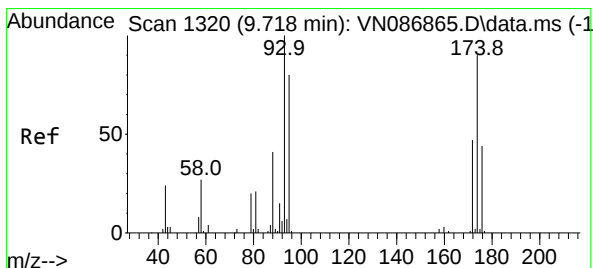
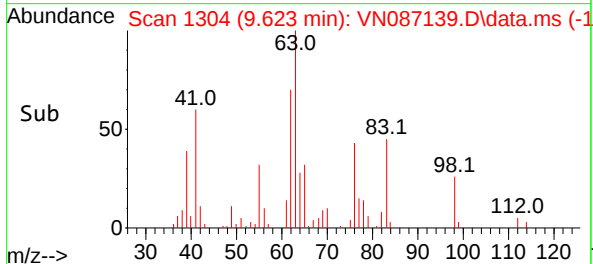
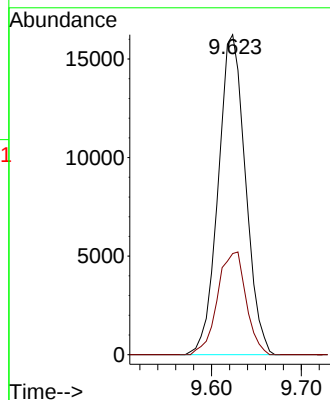
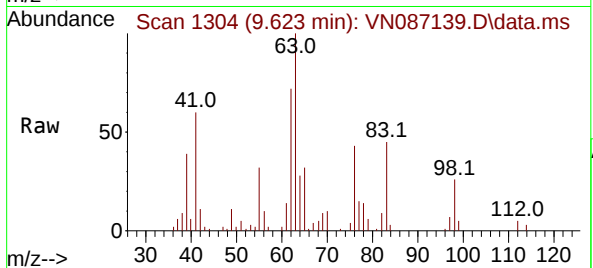
65 31.6 25.5 38.3

Manual Integrations

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Reviewed By :John Carlone 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#46

Dibromomethane

Concen: 20.260 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.006 min

Lab File: VN087139.D

Acq: 20 Jun 2025 15:08

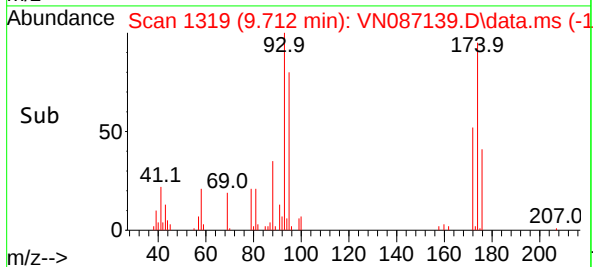
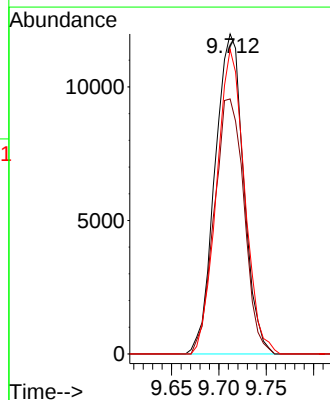
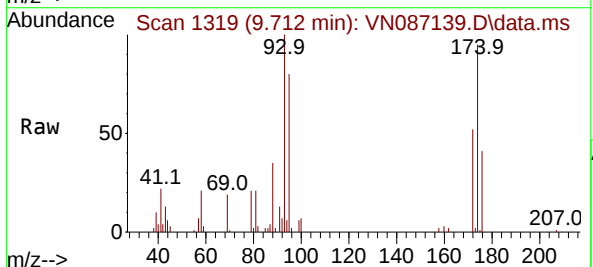
Tgt Ion: 93 Resp: 25258

Ion Ratio Lower Upper

93 100

95 82.4 67.1 100.7

174 92.9 74.2 111.4





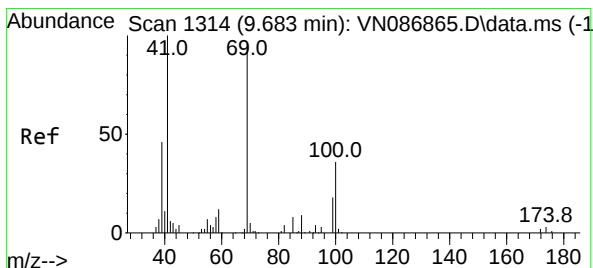
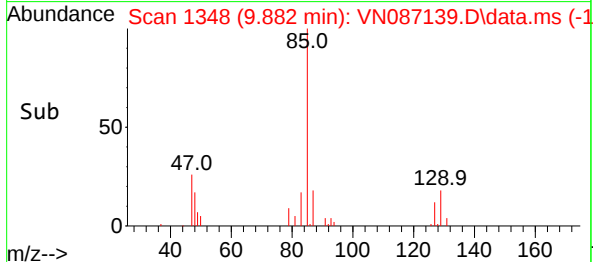
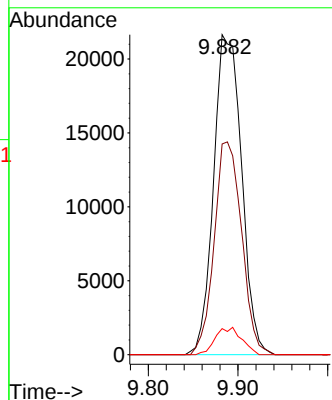
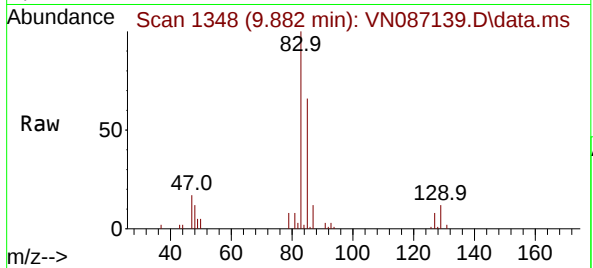
#47
Bromodichloromethane
Concen: 18.276 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.012 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01

Tgt Ion: 83 Resp: 46880
Ion Ratio Lower Upper
83 100
85 65.9 50.9 76.3
127 8.2 6.6 10.0

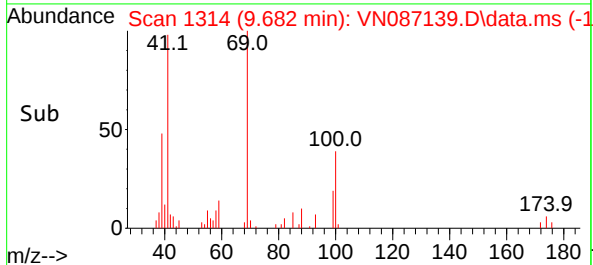
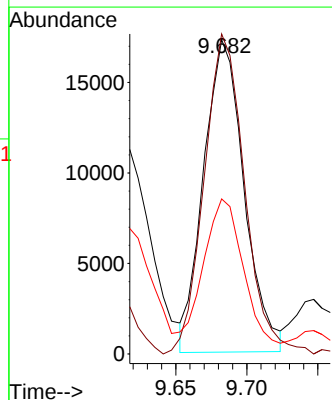
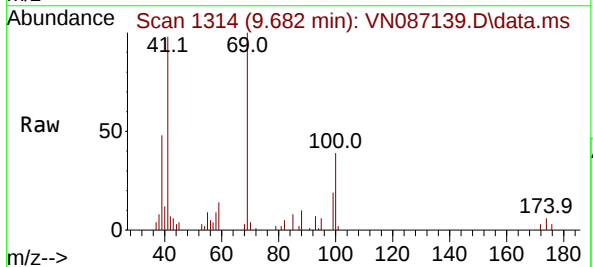
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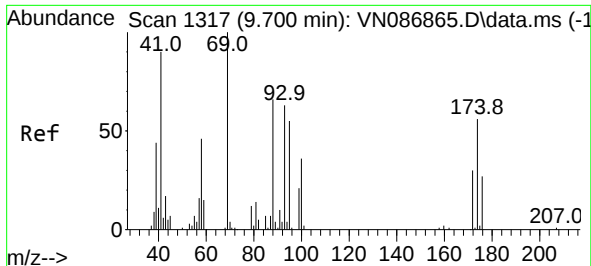
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#48
Methyl methacrylate
Concen: 15.406 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Tgt Ion: 41 Resp: 34182
Ion Ratio Lower Upper
41 100
69 102.7 74.6 112.0
39 50.7 40.2 60.4





#49

1,4-Dioxane

Concen: 312.039 ug/l

RT: 9.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087139.D

Acq: 20 Jun 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN0620MBS01

Tgt Ion: 88 Resp: 1259

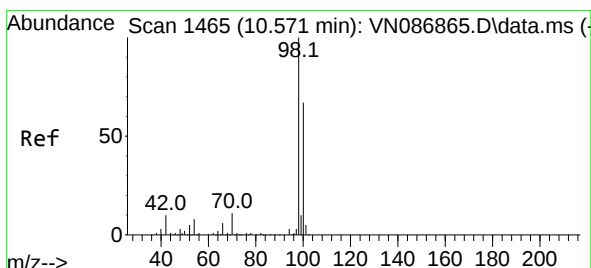
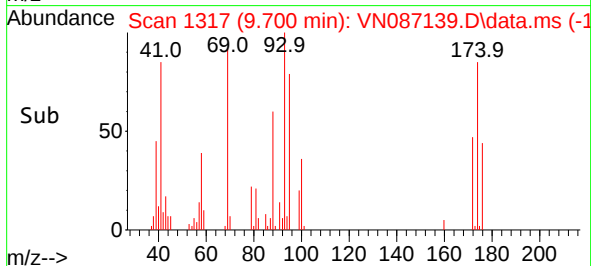
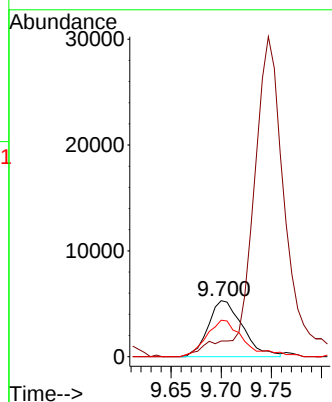
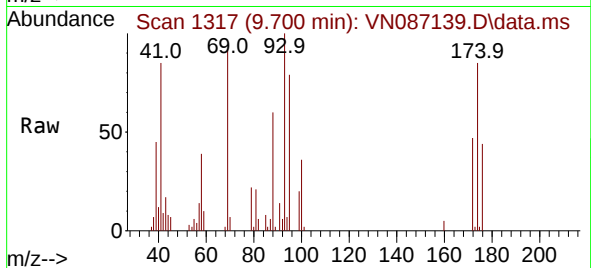
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	70.5	57.7	86.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#50

Toluene-d8

Concen: 53.669 ug/l

RT: 10.565 min Scan# 1464

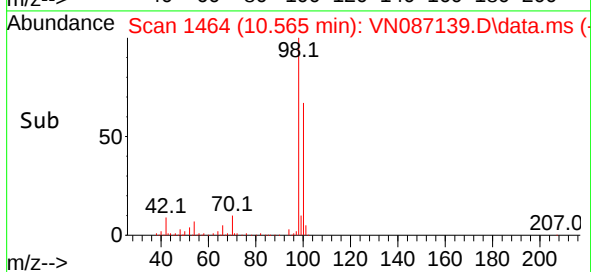
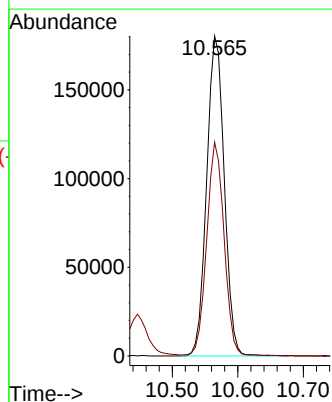
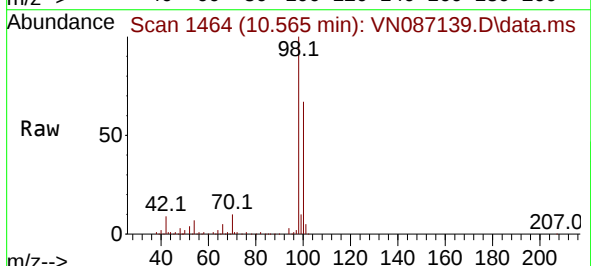
Delta R.T. -0.006 min

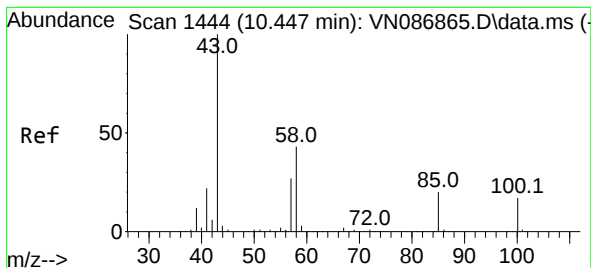
Lab File: VN087139.D

Acq: 20 Jun 2025 15:08

Tgt Ion: 98 Resp: 336398

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.4	80.0





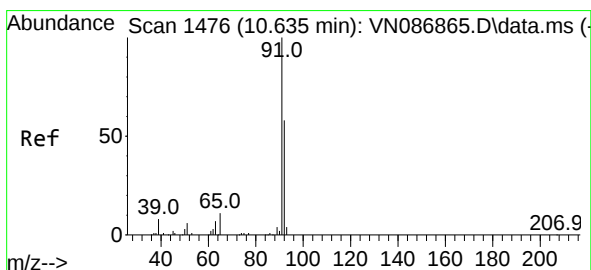
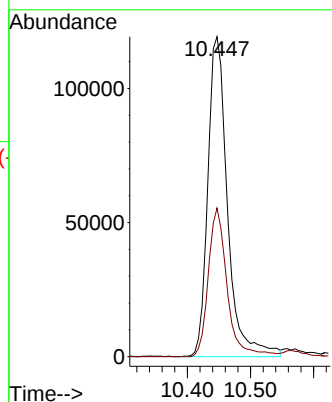
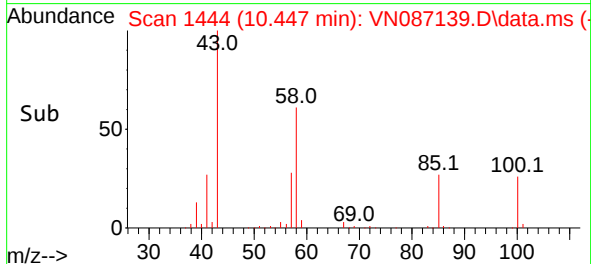
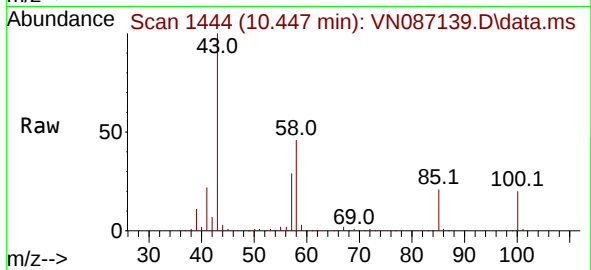
#51
4-Methyl-2-Pentanone
Concen: 89.197 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01

Tgt Ion: 43 Resp: 258850
Ion Ratio Lower Upper
43 100
58 44.3 34.2 51.4

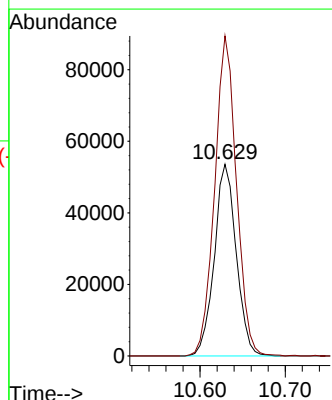
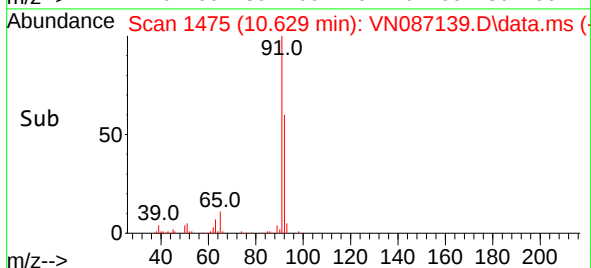
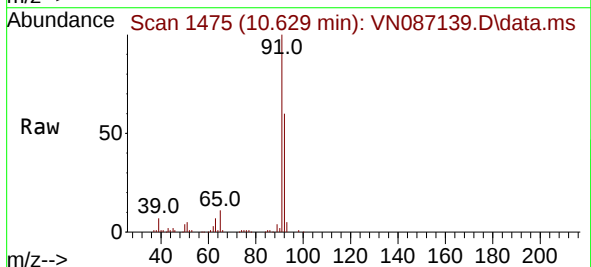
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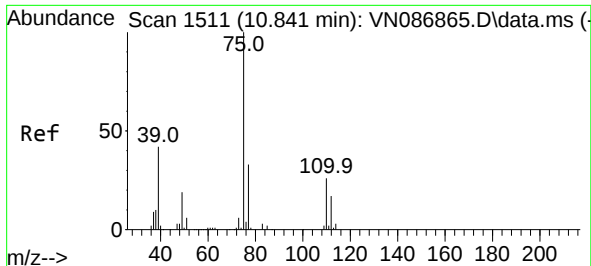
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#52
Toluene
Concen: 20.280 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Tgt Ion: 92 Resp: 95617
Ion Ratio Lower Upper
92 100
91 166.4 136.5 204.7





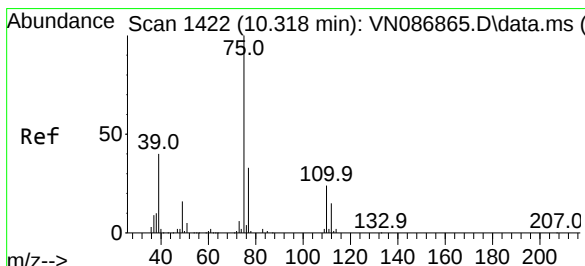
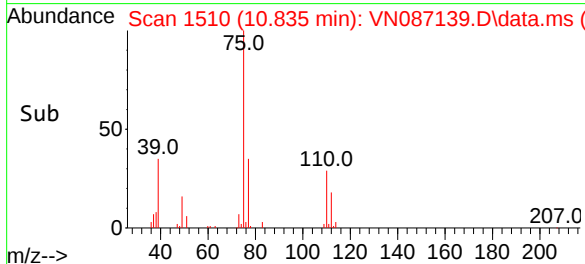
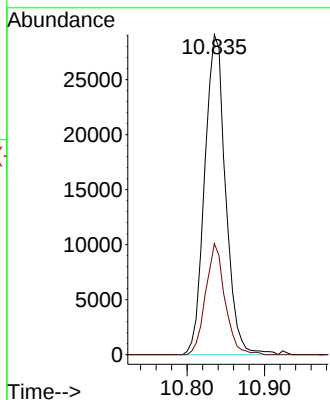
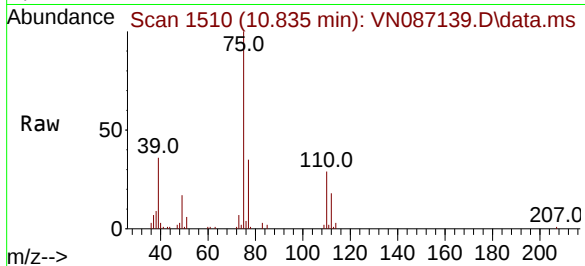
#53
 t-1,3-Dichloropropene
 Concen: 19.031 ug/l
 RT: 10.835 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VN087139.D
 Acq: 20 Jun 2025 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620MBS01

Tgt Ion: 75 Resp: 5458
 Ion Ratio Lower Upper
 75 100
 77 34.7 26.4 39.6

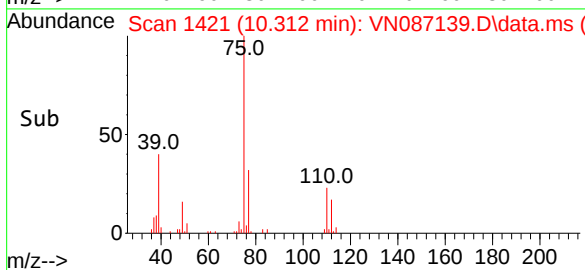
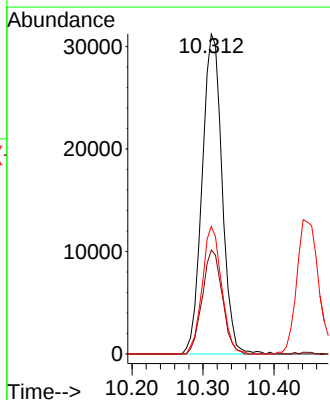
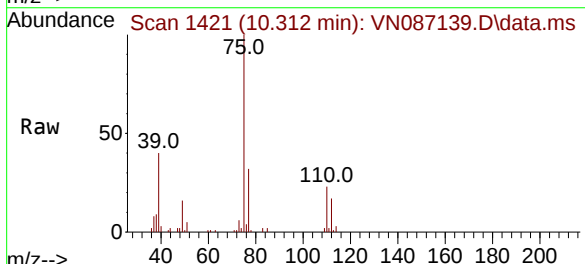
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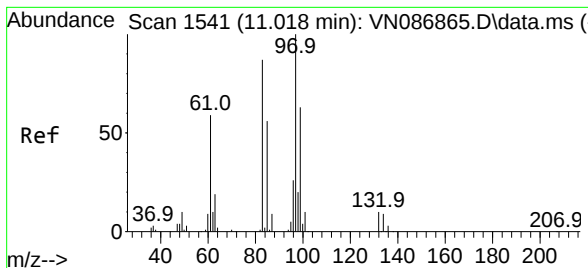
Reviewed By :John Carlone 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025



#54
 cis-1,3-Dichloropropene
 Concen: 19.844 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. -0.006 min
 Lab File: VN087139.D
 Acq: 20 Jun 2025 15:08

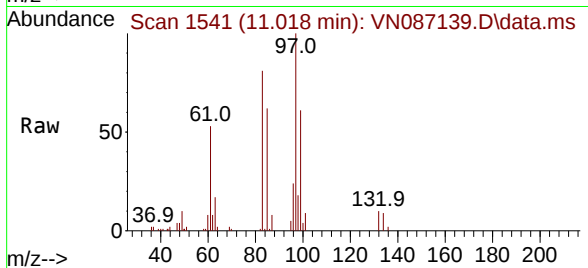
Tgt Ion: 75 Resp: 60902
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.2 39.4
 39 39.8 32.3 48.5





#55
1,1,2-Trichloroethane
Concen: 18.921 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

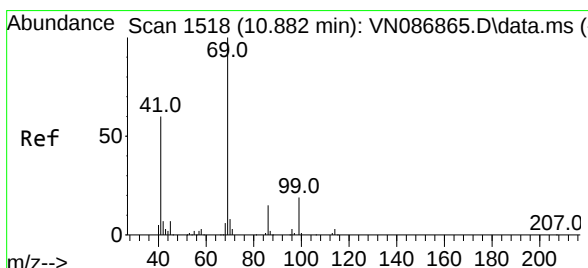
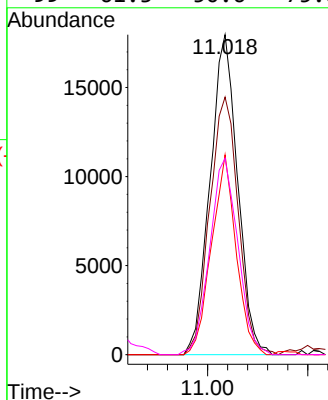
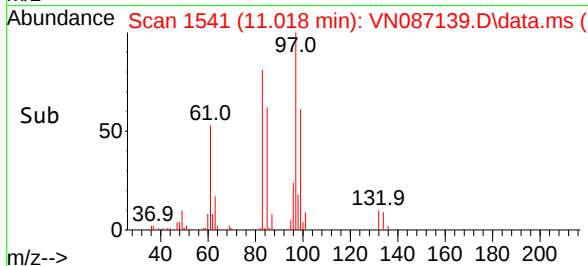
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01



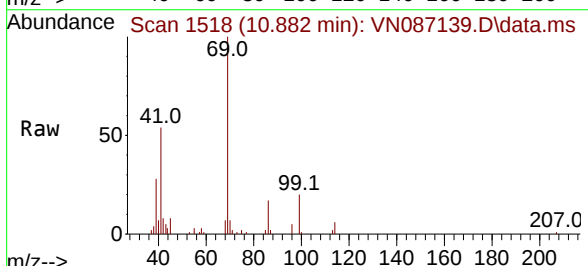
Tgt Ion: 97 Resp: 34320
Ion Ratio Lower Upper
97 100
83 80.5 69.7 104.5
85 62.5 45.1 67.7
99 61.3 50.6 75.8

Manual Integrations
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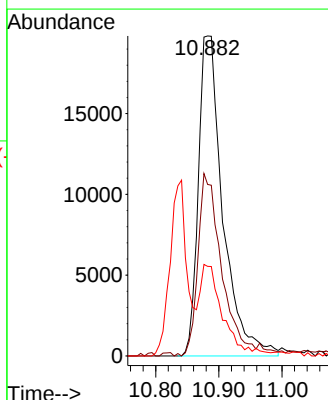
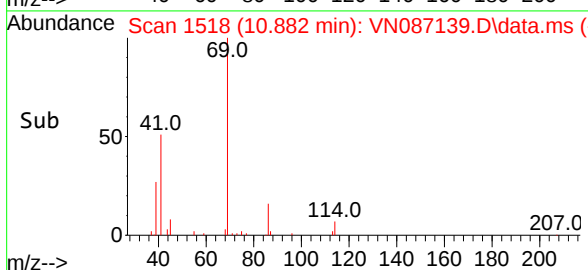
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

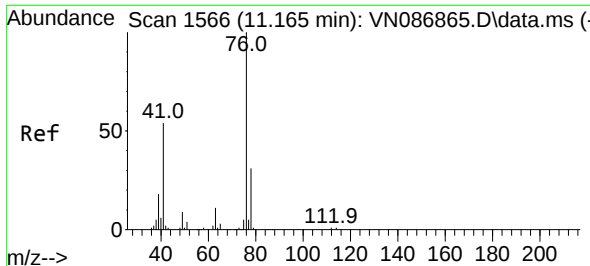


#56
Ethyl methacrylate
Concen: 18.501 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08



Tgt Ion: 69 Resp: 53460
Ion Ratio Lower Upper
69 100
41 56.6 47.2 70.8
39 24.5 23.0 34.6





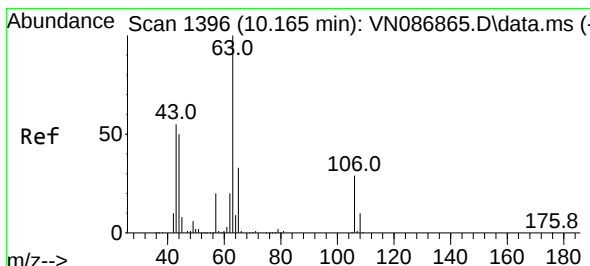
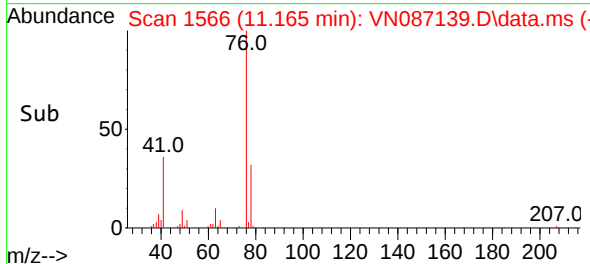
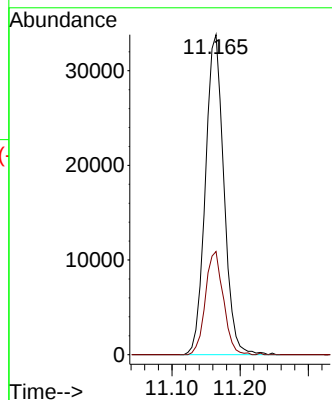
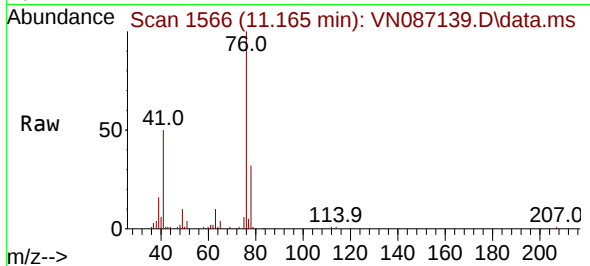
#57
1,3-Dichloropropane
Concen: 20.232 ug/l
RT: 11.165 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01

Tgt Ion: 76 Resp: 63674
Ion Ratio Lower Upper
76 100
78 31.4 25.3 37.9

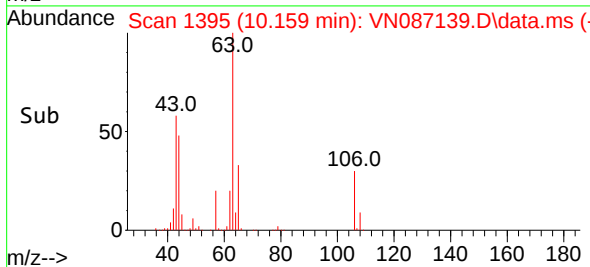
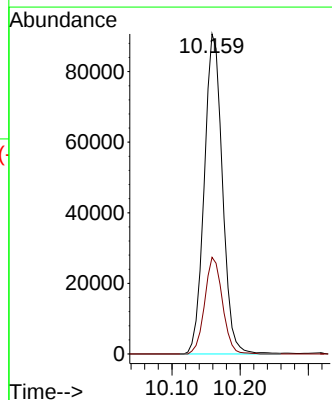
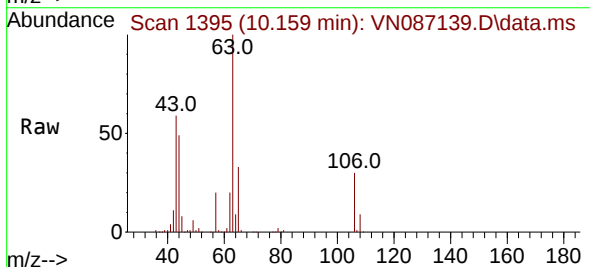
Manual Integrations
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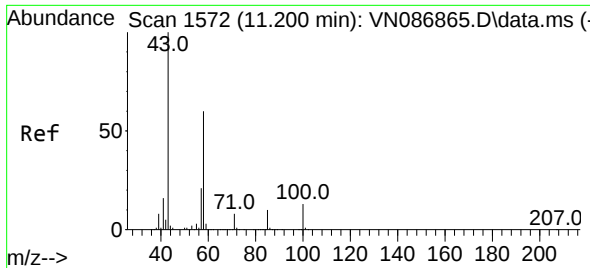
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#58
2-Chloroethyl Vinyl ether
Concen: 97.432 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

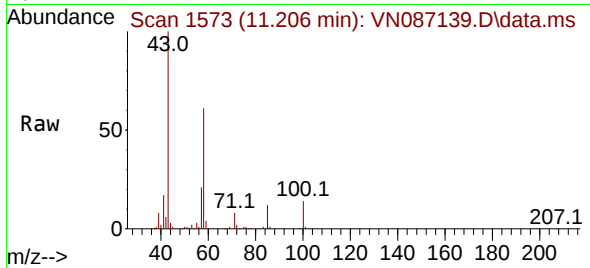
Tgt Ion: 63 Resp: 167925
Ion Ratio Lower Upper
63 100
106 29.5 23.0 34.6





#59
2-Hexanone
Concen: 77.498 ug/l
RT: 11.206 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

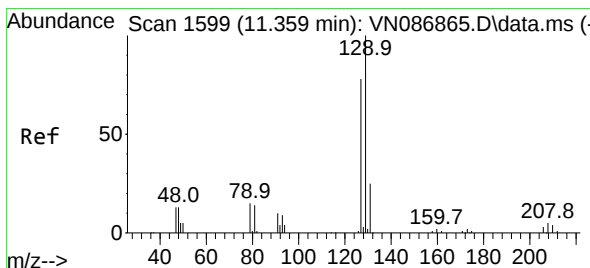
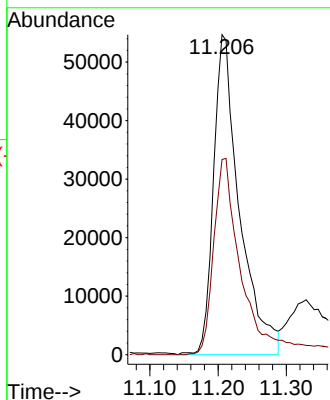
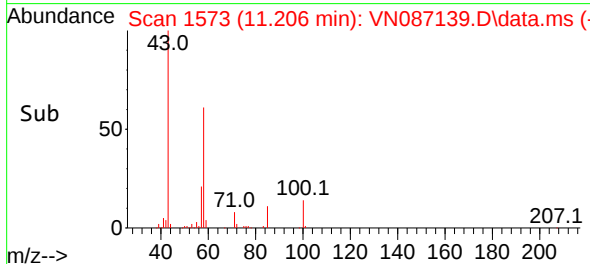
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01



Tgt Ion: 43 Resp: 144860
Ion Ratio Lower Upper
43 100
58 67.4 30.4 91.3

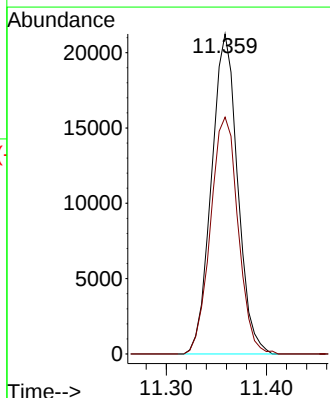
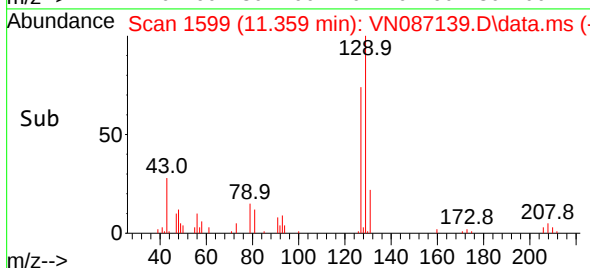
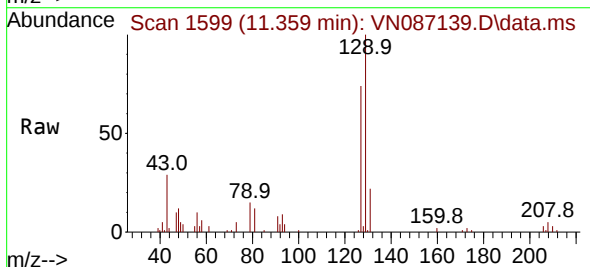
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#60
Dibromochloromethane
Concen: 20.331 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

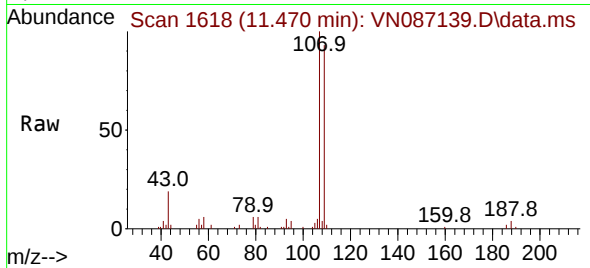
Tgt Ion:129 Resp: 38430
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.8





#61
1,2-Dibromoethane
Concen: 19.528 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

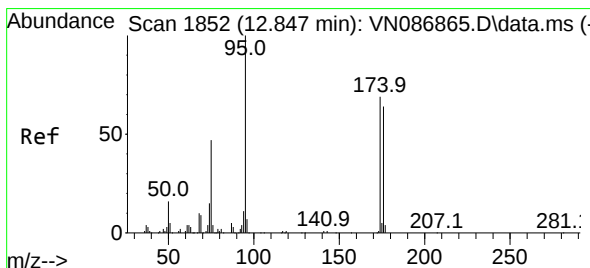
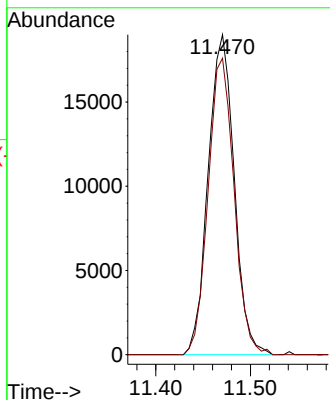
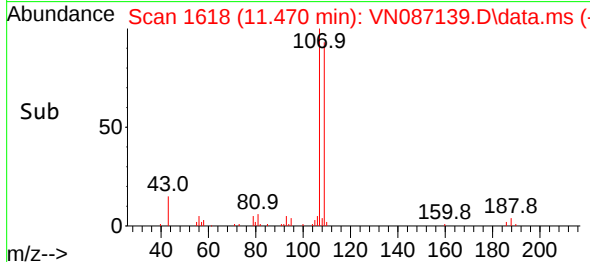
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01



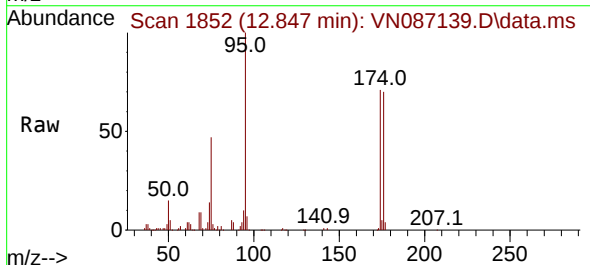
Tgt Ion:107 Resp: 3631
Ion Ratio Lower Upper
107 100
109 92.3 76.3 114.5

Manual Integrations
APPROVED

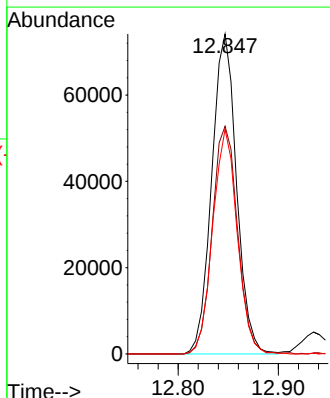
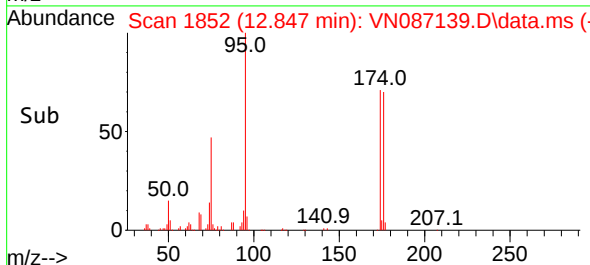
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

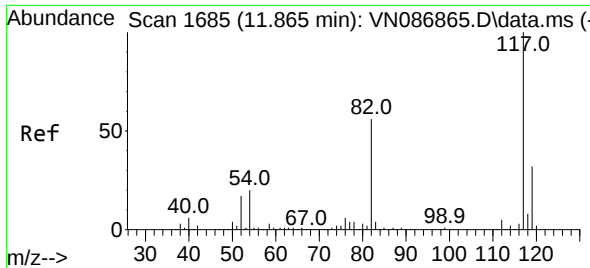


#62
4-Bromofluorobenzene
Concen: 54.773 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08



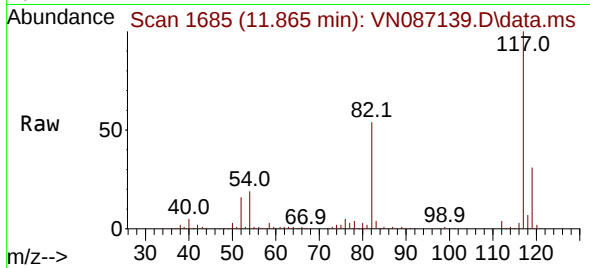
Tgt Ion: 95 Resp: 127553
Ion Ratio Lower Upper
95 100
174 72.8 0.0 141.8
176 69.4 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

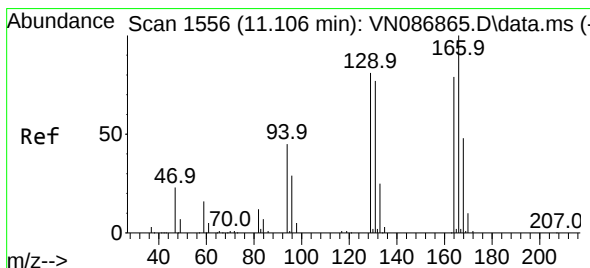
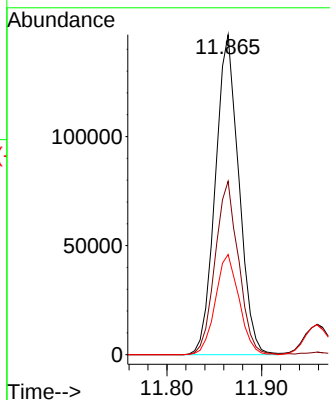
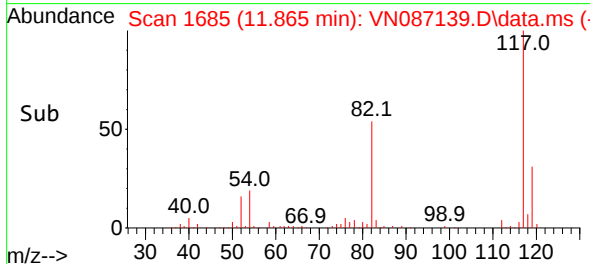
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBSD01



Tgt Ion:117 Resp: 25334
Ion Ratio Lower Upper
117 100
82 54.2 44.6 67.0
119 31.3 25.5 38.3

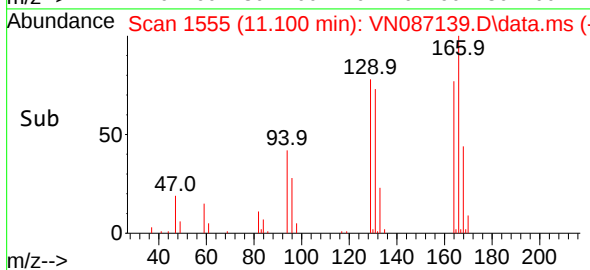
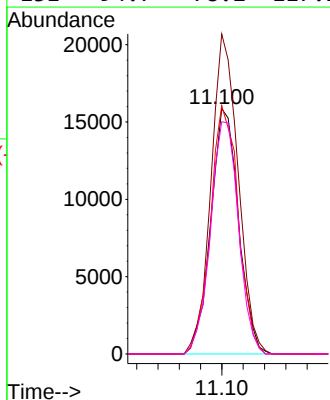
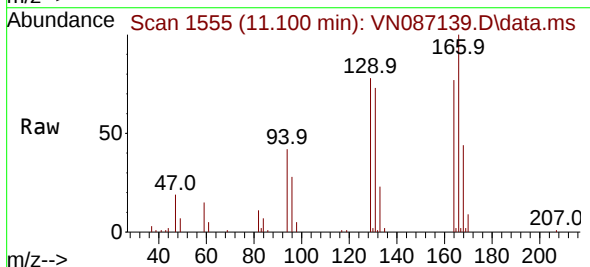
Manual Integrations
APPROVED

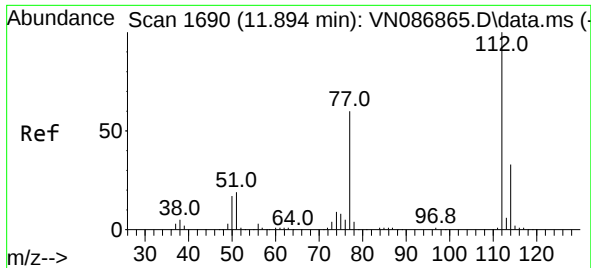
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#64
Tetrachloroethene
Concen: 17.872 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Tgt Ion:164 Resp: 28655
Ion Ratio Lower Upper
164 100
166 130.5 101.8 152.8
129 101.3 83.0 124.4
131 94.7 78.2 117.2





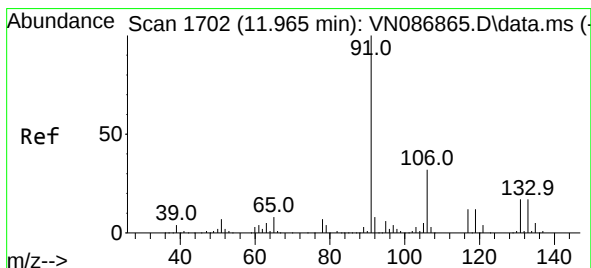
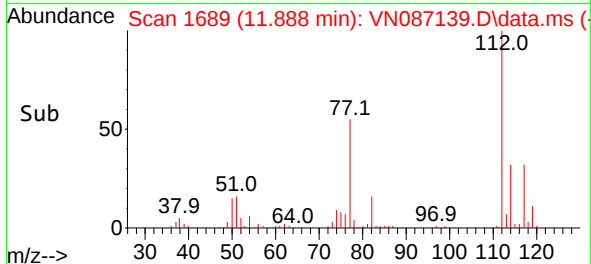
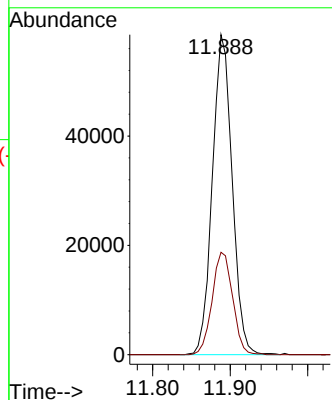
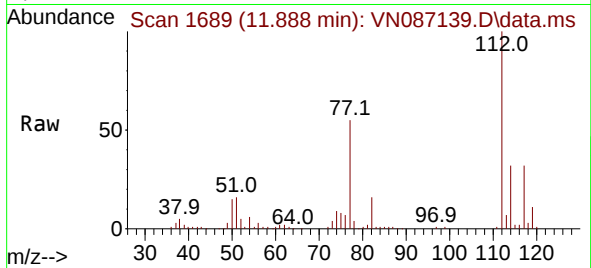
#65
Chlorobenzene
Concen: 18.633 ug/l
RT: 11.888 min Scan# 111
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01

Tgt Ion:112 Resp: 10411
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.2

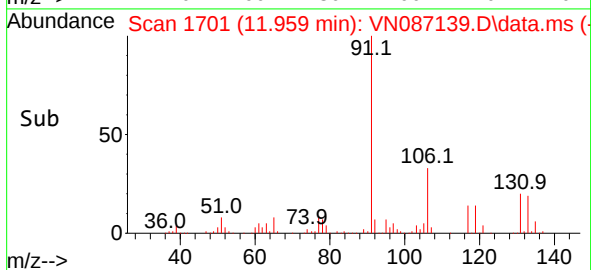
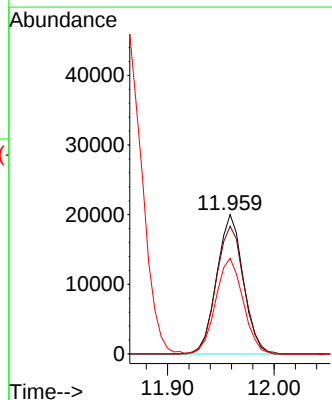
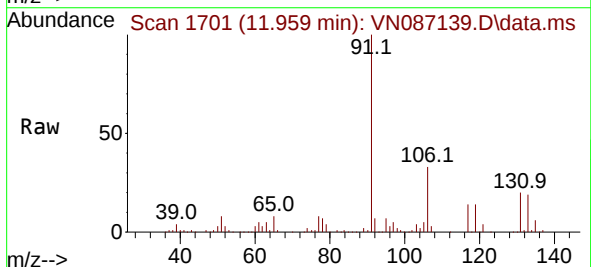
Manual Integrations
APPROVED

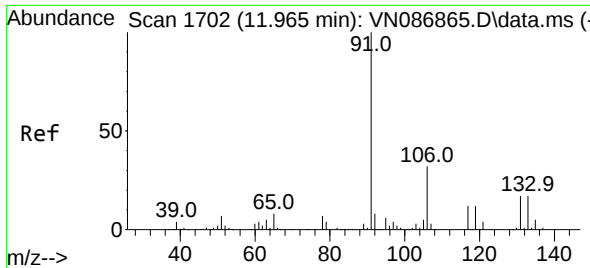
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.195 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Tgt Ion:131 Resp: 34477
Ion Ratio Lower Upper
131 100
133 96.4 48.3 144.8
119 71.1 34.0 101.8





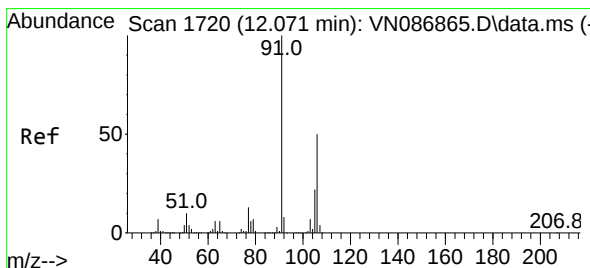
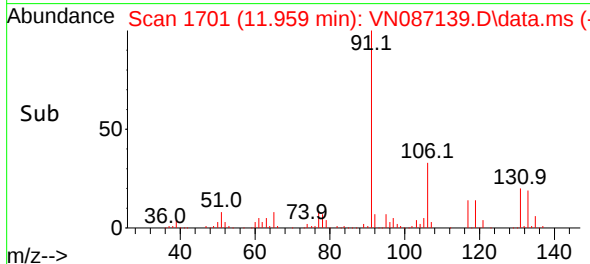
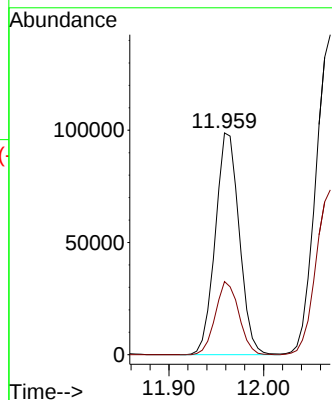
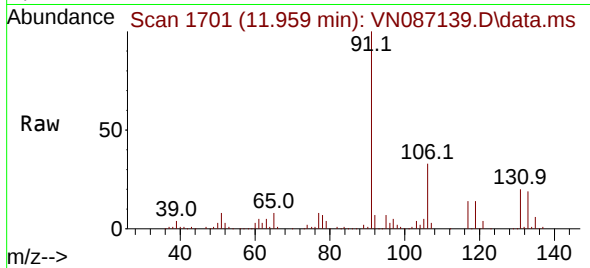
#67
Ethyl Benzene
Concen: 18.081 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01

Tgt Ion: 91 Resp: 17402
Ion Ratio Lower Upper
91 100
106 32.9 25.4 38.2

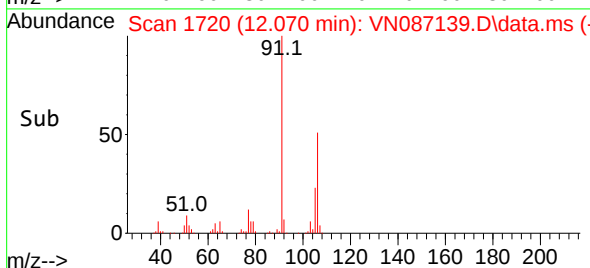
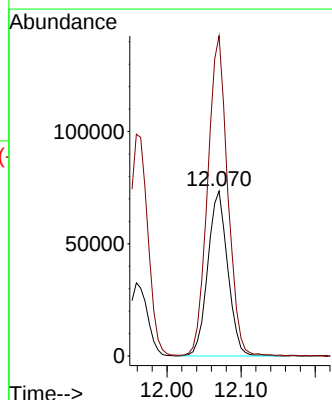
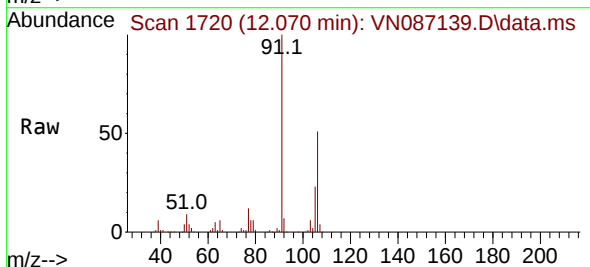
Manual Integrations
APPROVED

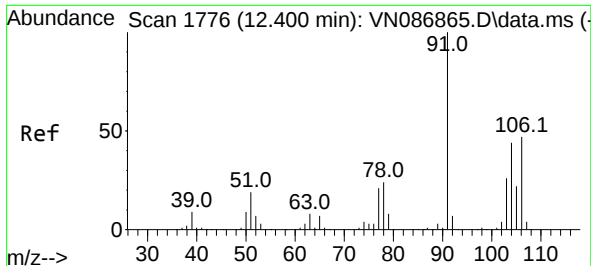
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#68
m/p-Xylenes
Concen: 37.224 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Tgt Ion:106 Resp: 137145
Ion Ratio Lower Upper
106 100
91 194.9 159.4 239.0





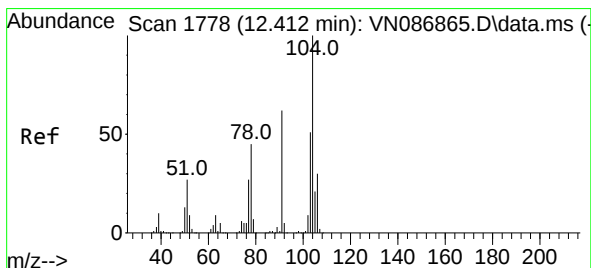
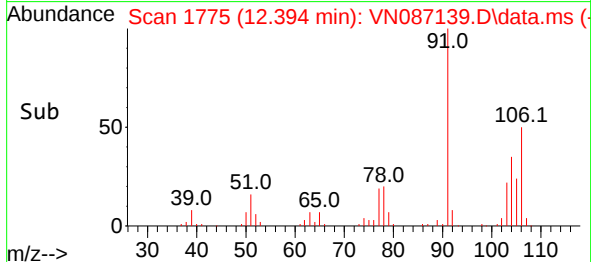
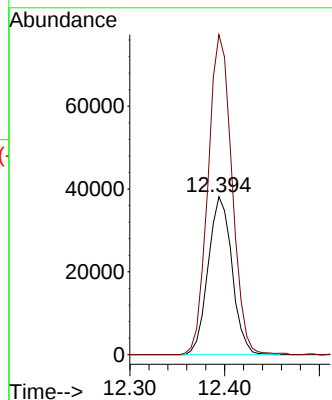
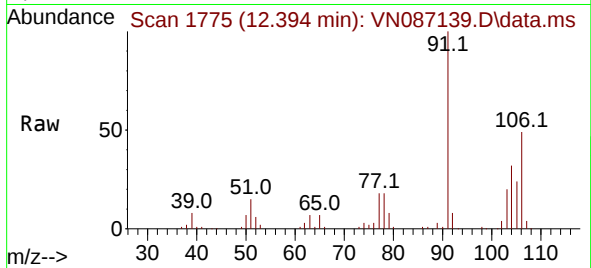
#69
o-Xylene
Concen: 18.844 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBSD01

Tgt Ion:106 Resp: 66494
Ion Ratio Lower Upper
106 100
91 204.5 106.1 318.1

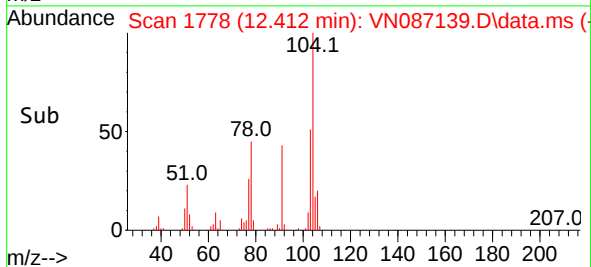
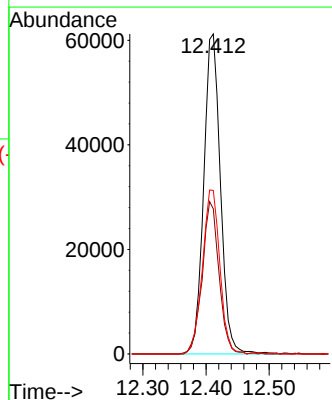
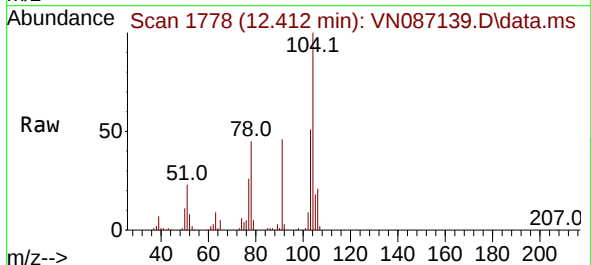
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#70
Styrene
Concen: 18.665 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Tgt Ion:104 Resp: 112700
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 53.4 43.1 64.7





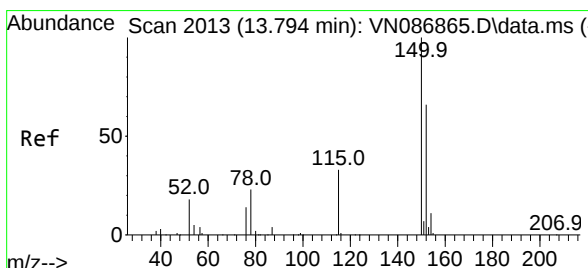
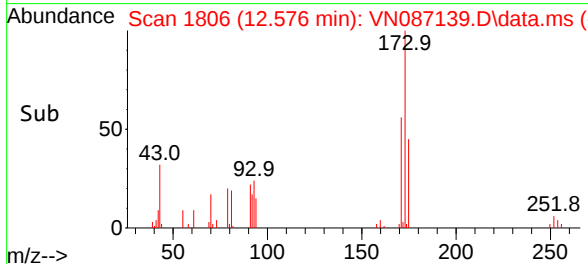
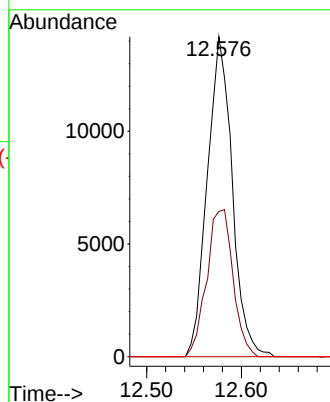
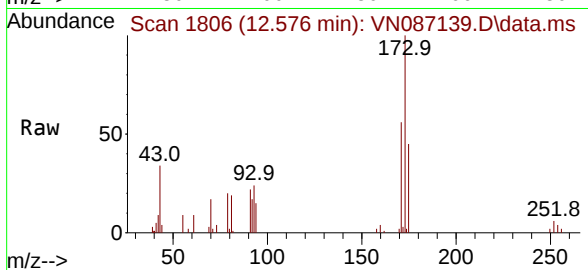
#71
Bromoform
Concen: 19.484 ug/l
RT: 12.576 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01

Tgt Ion:173 Resp: 25930
Ion Ratio Lower Upper
173 100
175 48.6 24.1 72.4
254 0.0 0.0 0.0

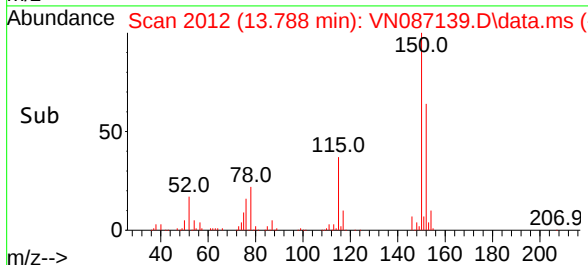
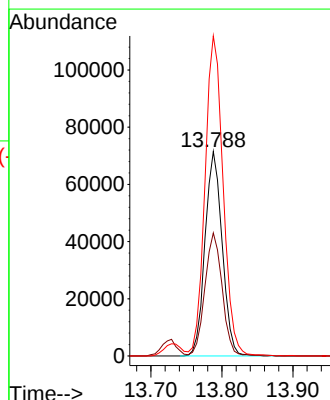
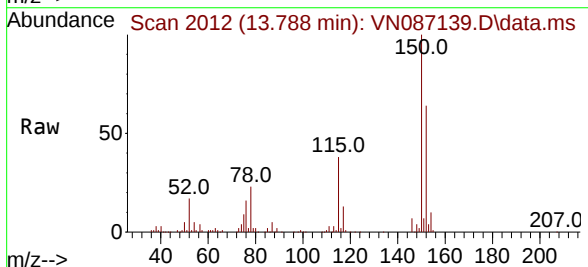
Manual Integrations
APPROVED

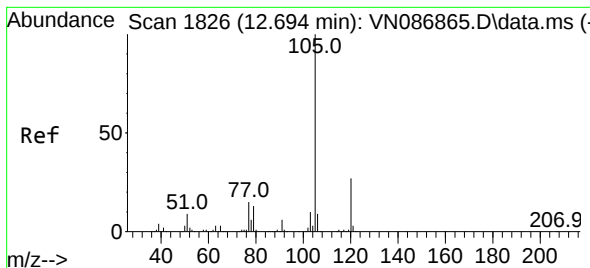
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Tgt Ion:152 Resp: 120473
Ion Ratio Lower Upper
152 100
115 60.5 30.1 90.5
150 164.7 0.0 345.0





#73

Isopropylbenzene

Concen: 17.988 ug/l

RT: 12.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087139.D

Acq: 20 Jun 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN0620MBS01

Tgt Ion:105 Resp: 15787

Ion Ratio Lower Upper

105 100

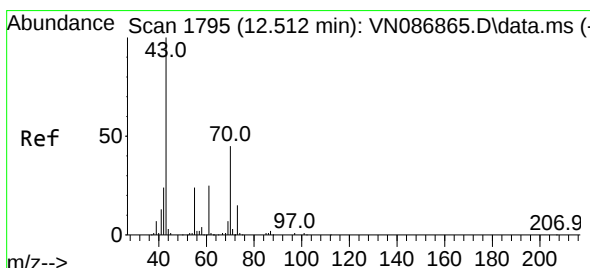
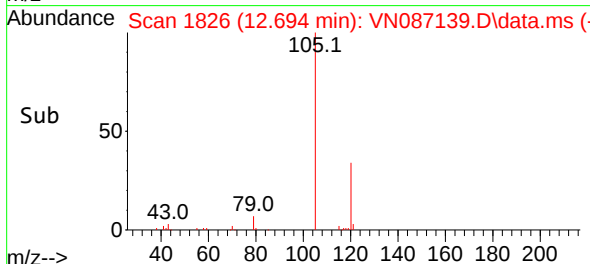
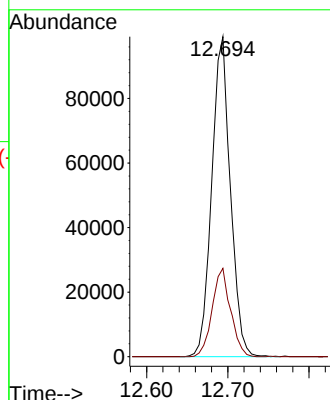
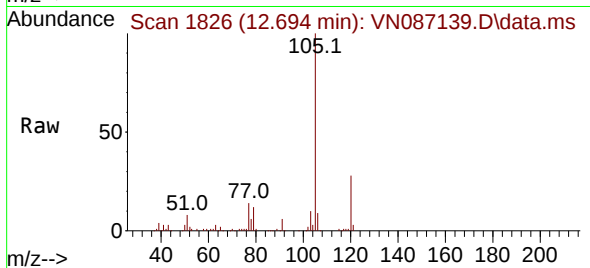
120 27.2 13.5 40.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#74

N-ethyl acetate

Concen: 18.207 ug/l m

RT: 12.547 min Scan# 1801

Delta R.T. 0.035 min

Lab File: VN087139.D

Acq: 20 Jun 2025 15:08

Tgt Ion: 43 Resp: 55839

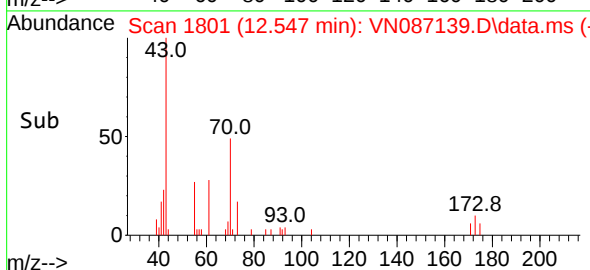
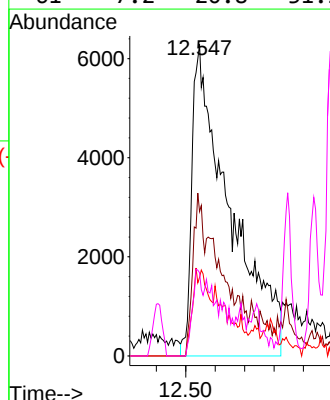
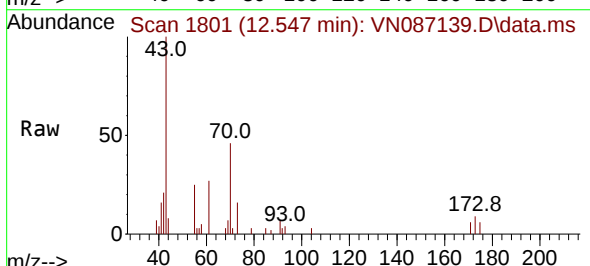
Ion Ratio Lower Upper

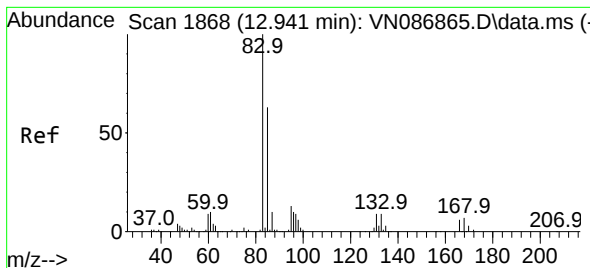
43 100

70 14.5 37.6 56.4#

55 4.5 19.0 28.6#

61 7.2 20.8 31.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 20.014 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VN087139.D

Acq: 20 Jun 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN0620MBS01

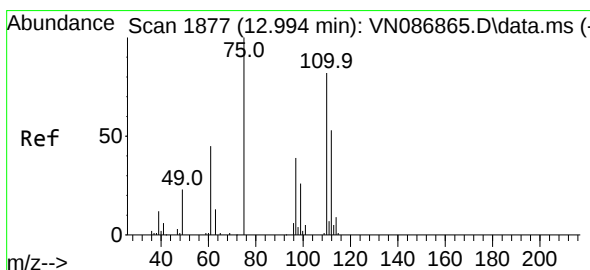
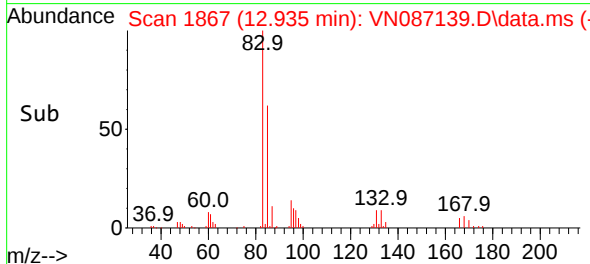
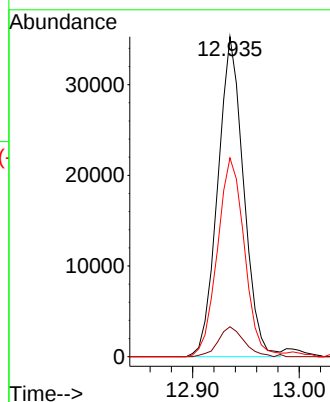
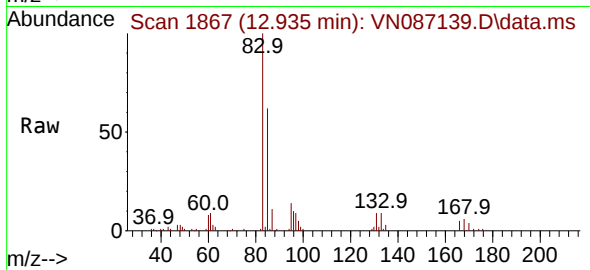
Tgt Ion:	83	Resp:	5950
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.7
85	64.7	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#76

1,2,3-Trichloropropane

Concen: 19.109 ug/l m

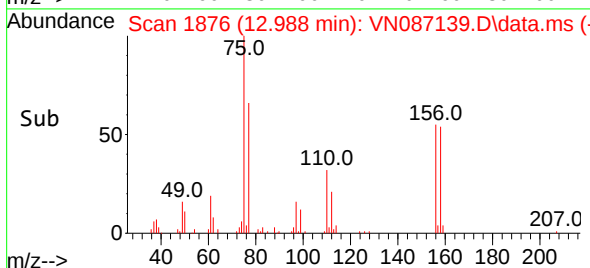
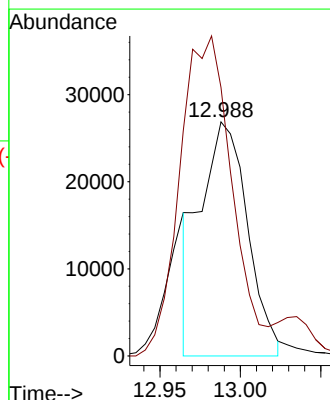
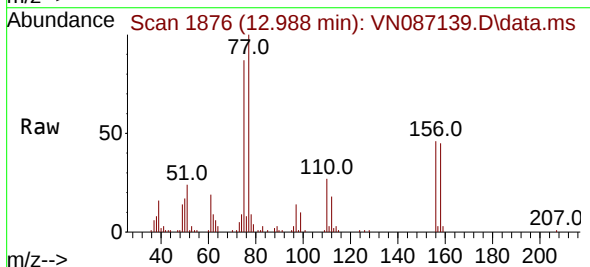
RT: 12.988 min Scan# 1876

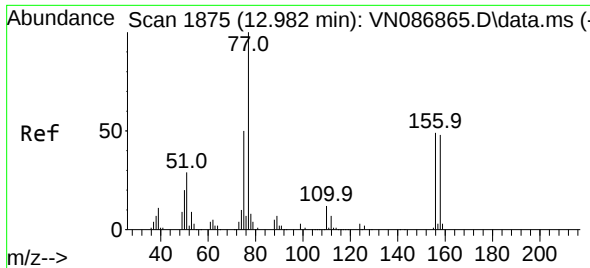
Delta R.T. -0.006 min

Lab File: VN087139.D

Acq: 20 Jun 2025 15:08

Tgt Ion:	75	Resp:	54723
Ion Ratio	Lower	Upper	
75	100		
77	150.9	79.3	237.9





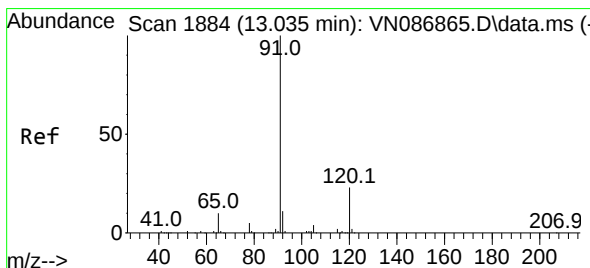
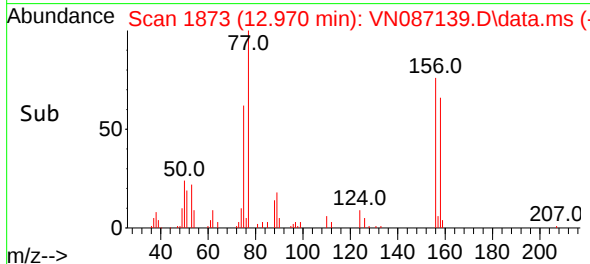
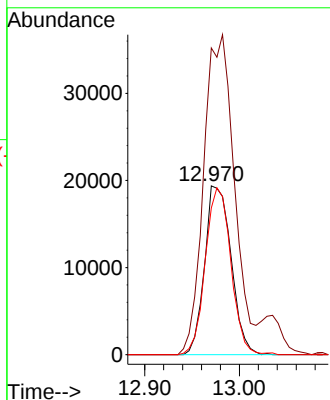
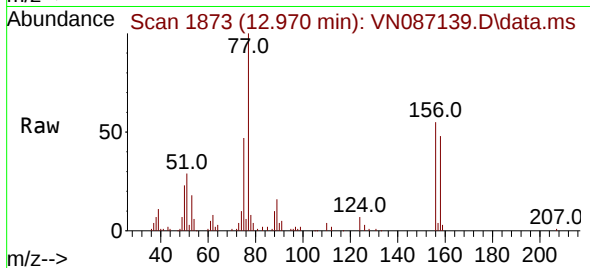
#77
Bromobenzene
Concen: 18.690 ug/l
RT: 12.970 min Scan# 1873
Delta R.T. -0.012 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01

Tgt Ion:156 Resp: 37618
Ion Ratio Lower Upper
156 100
77 219.5 117.7 353.1
158 95.8 48.1 144.4

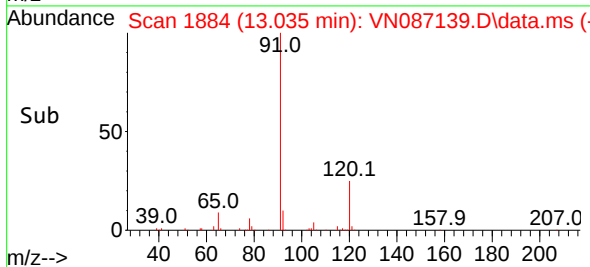
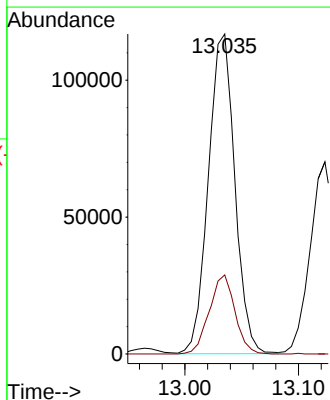
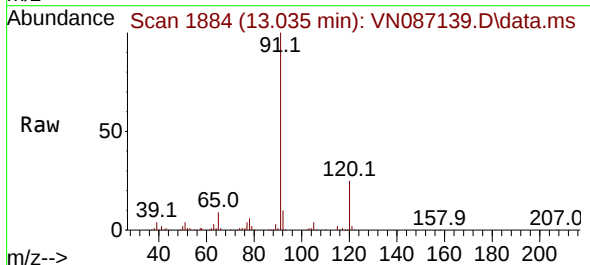
Manual Integrations
APPROVED

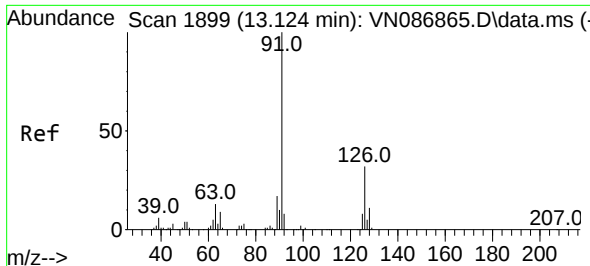
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#78
n-propylbenzene
Concen: 17.752 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Tgt Ion: 91 Resp: 189344
Ion Ratio Lower Upper
91 100
120 23.8 11.4 34.2





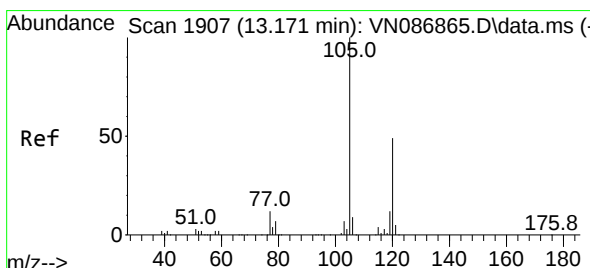
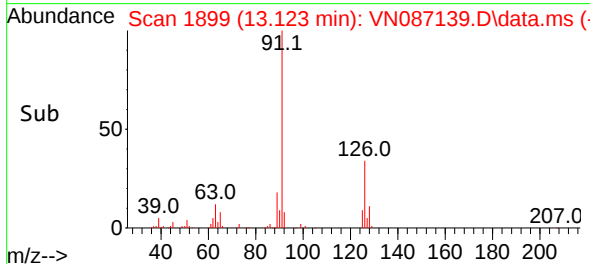
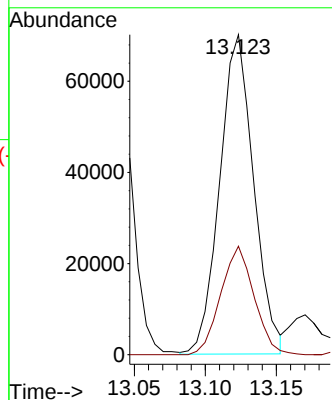
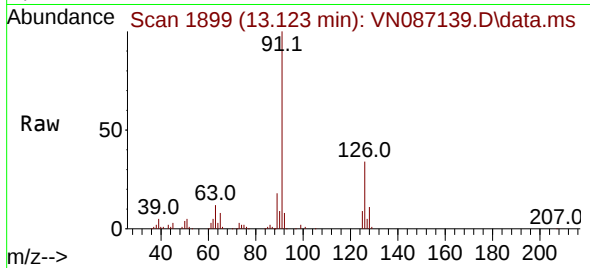
#79
2-Chlorotoluene
Concen: 18.225 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01

Tgt Ion: 91 Resp: 11657
Ion Ratio Lower Upper
91 100
126 33.3 16.2 48.5

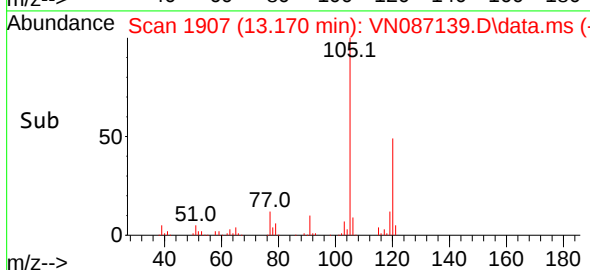
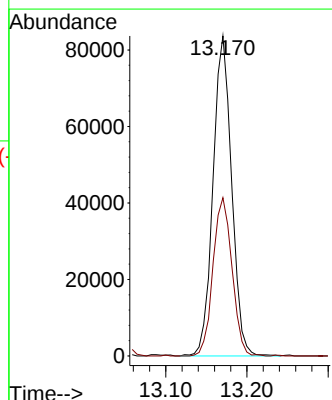
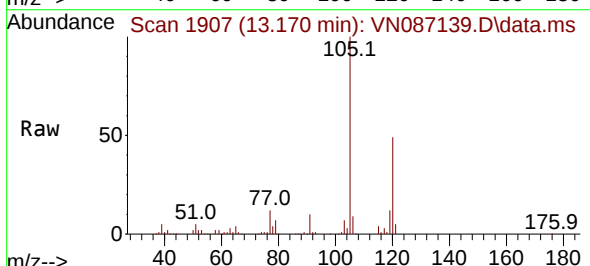
Manual Integrations
APPROVED

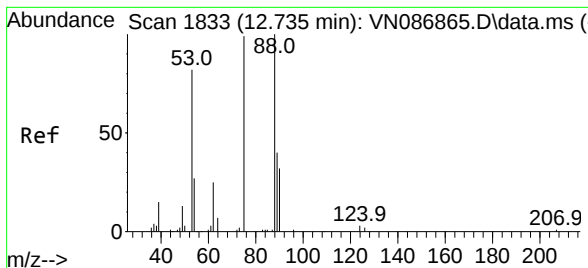
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#80
1,3,5-Trimethylbenzene
Concen: 18.395 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

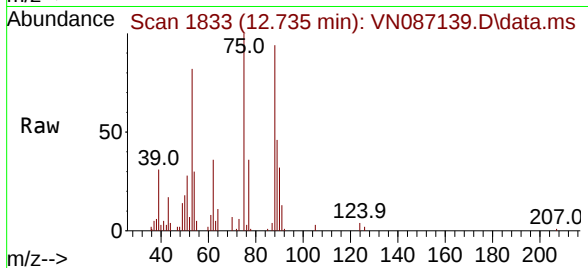
Tgt Ion:105 Resp: 133294
Ion Ratio Lower Upper
105 100
120 50.5 24.9 74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 15.953 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

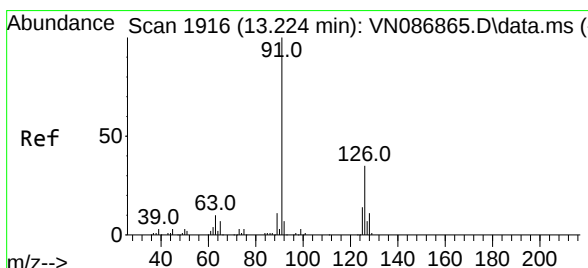
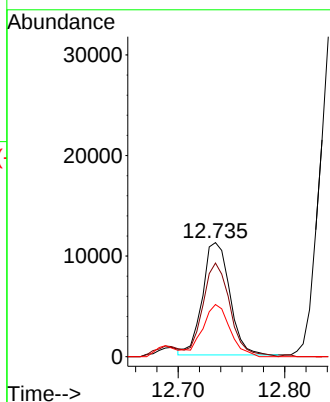
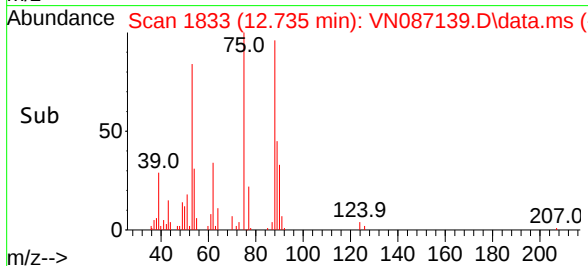
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01



Tgt Ion: 75 Resp: 19840
Ion Ratio Lower Upper
75 100
53 82.9 66.6 99.8
89 47.8 36.7 55.1

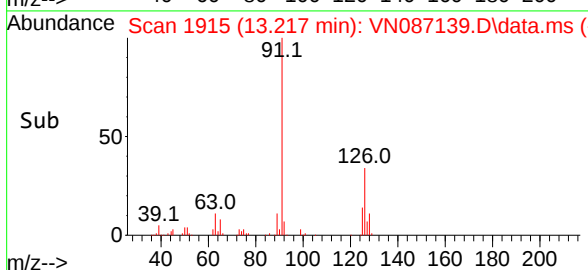
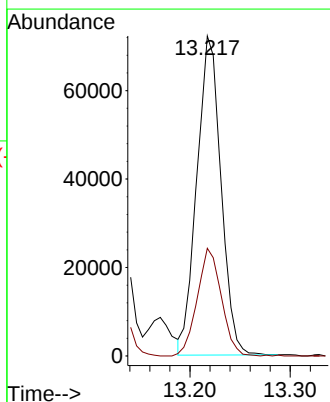
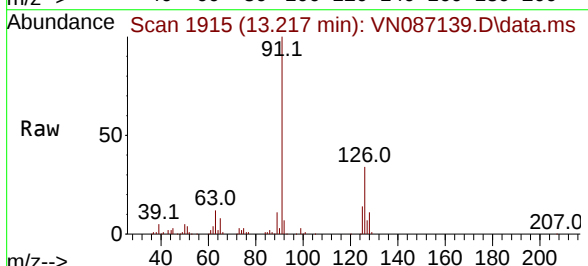
Manual Integrations
APPROVED

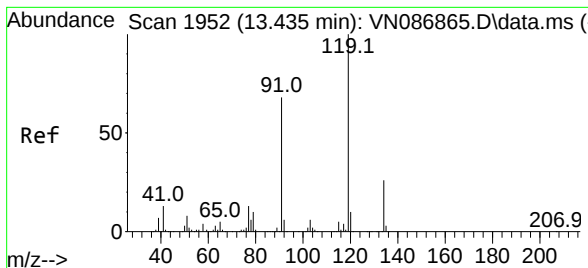
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#82
4-Chlorotoluene
Concen: 18.644 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

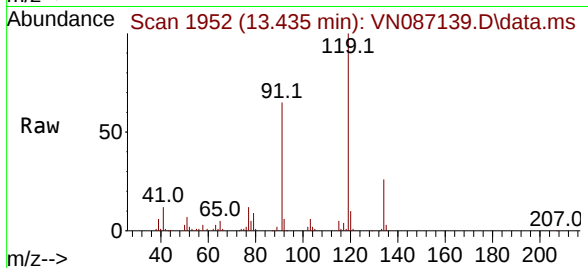
Tgt Ion: 91 Resp: 120665
Ion Ratio Lower Upper
91 100
126 33.8 16.7 50.1





#83
tert-Butylbenzene
Concen: 13.655 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

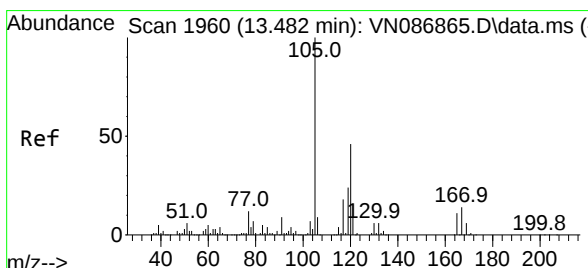
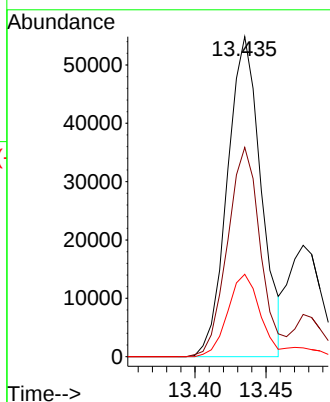
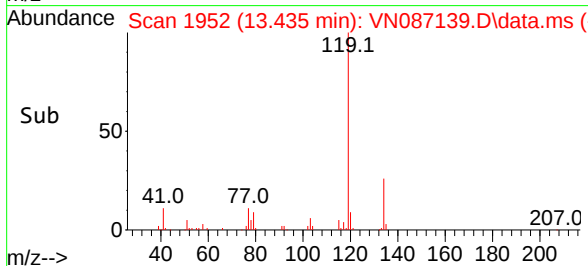
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01



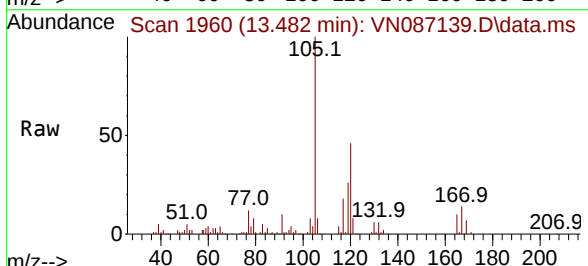
Tgt Ion:119 Resp: 90570
Ion Ratio Lower Upper
119 100
91 64.5 32.1 96.5
134 25.0 13.4 40.1

Manual Integrations
APPROVED

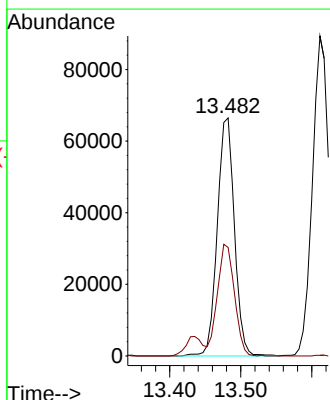
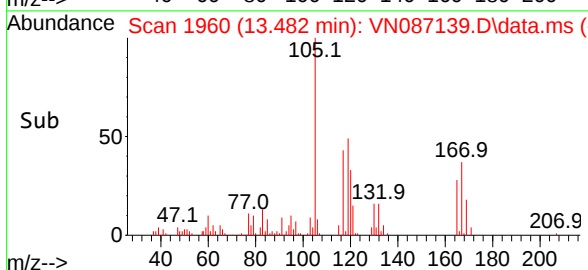
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

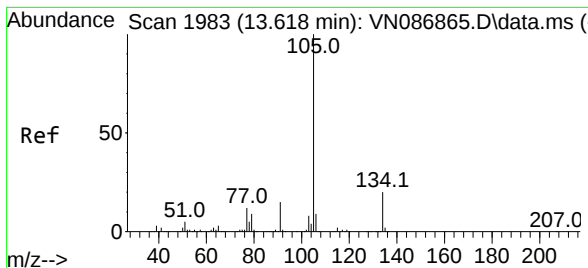


#84
1,2,4-Trimethylbenzene
Concen: 15.277 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08



Tgt Ion:105 Resp: 111007
Ion Ratio Lower Upper
105 100
120 46.5 23.2 69.6





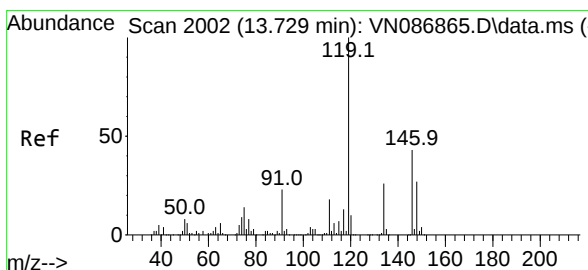
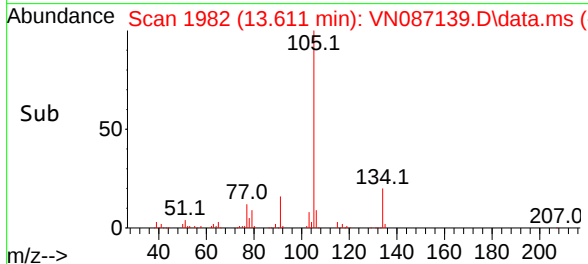
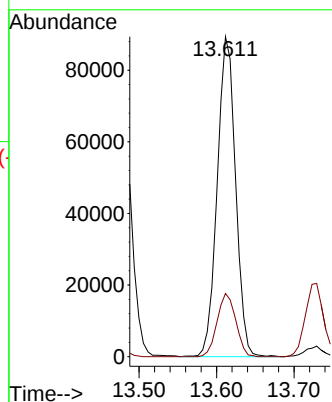
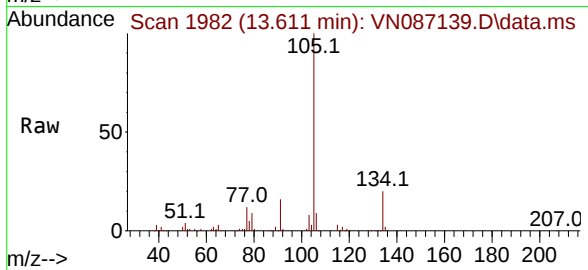
#85
 sec-Butylbenzene
 Concen: 15.251 ug/l
 RT: 13.611 min Scan# 1983
 Delta R.T. -0.006 min
 Lab File: VN087139.D
 Acq: 20 Jun 2025 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620MBS01

Tgt Ion:105 Resp: 146908
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.0 30.0

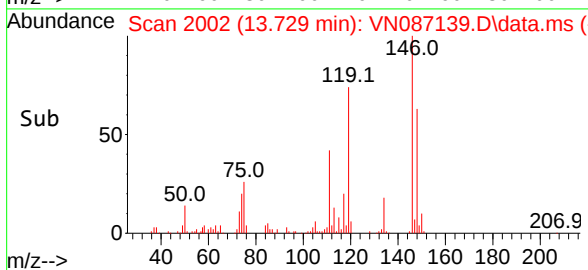
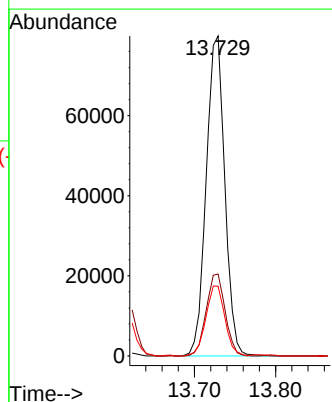
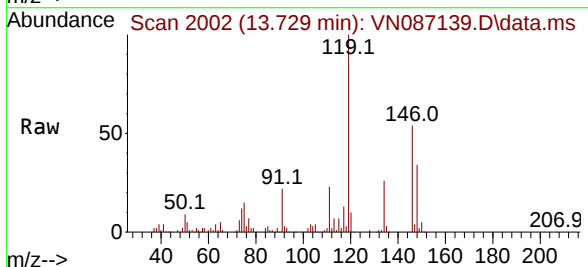
Manual Integrations
 APPROVED

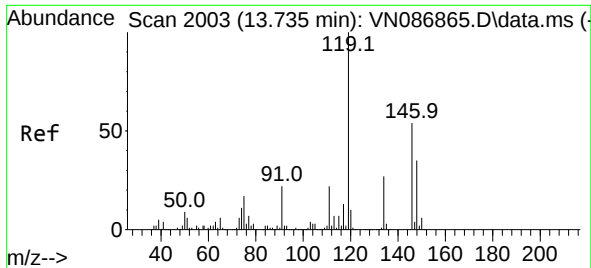
Reviewed By :John Carlone 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025



#86
 p-Isopropyltoluene
 Concen: 15.939 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN087139.D
 Acq: 20 Jun 2025 15:08

Tgt Ion:119 Resp: 126915
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.5 40.4
 91 22.4 11.5 34.4





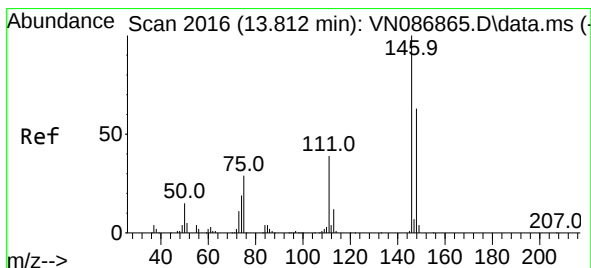
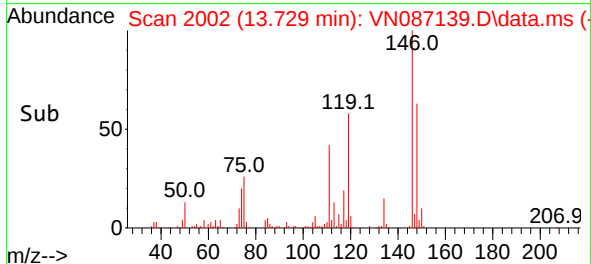
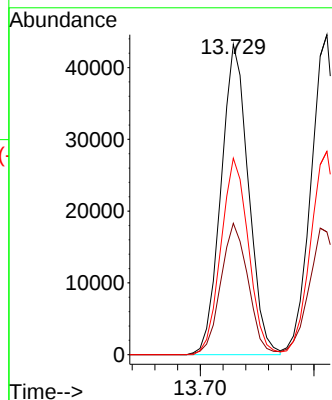
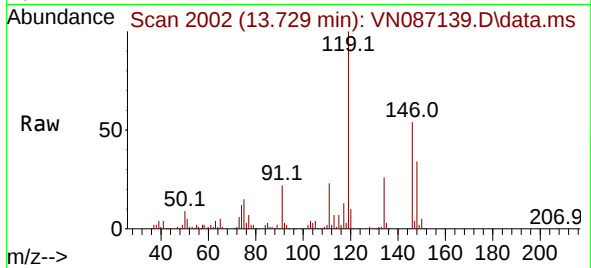
#87
1,3-Dichlorobenzene
Concen: 18.323 ug/l
RT: 13.729 min Scan# 2003
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBSD01

Tgt Ion:146 Resp: 7256
Ion Ratio Lower Upper
146 100
111 42.2 20.9 62.8
148 63.4 32.0 96.2

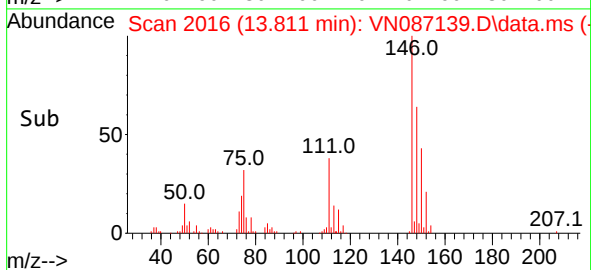
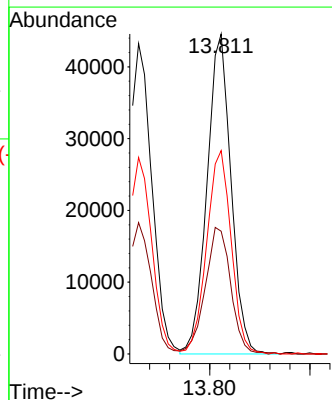
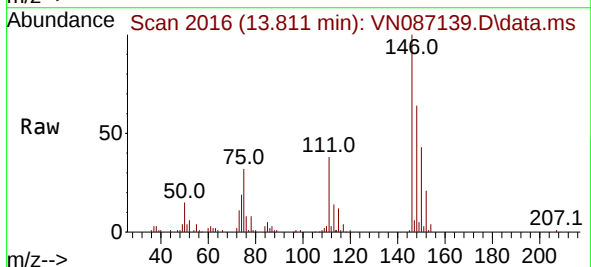
Manual Integrations
APPROVED

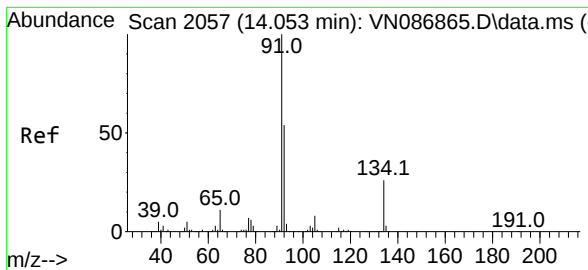
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#88
1,4-Dichlorobenzene
Concen: 18.372 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Tgt Ion:146 Resp: 74176
Ion Ratio Lower Upper
146 100
111 42.2 19.9 59.7
148 65.0 31.8 95.4





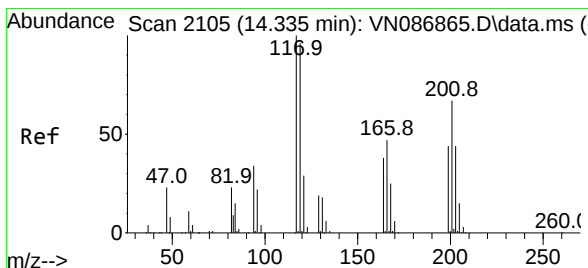
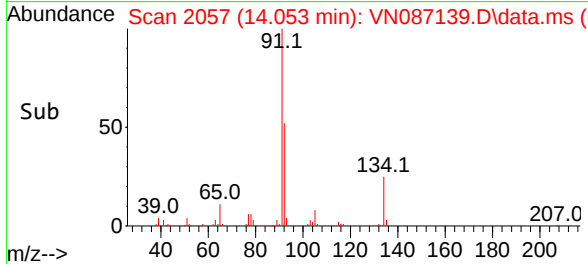
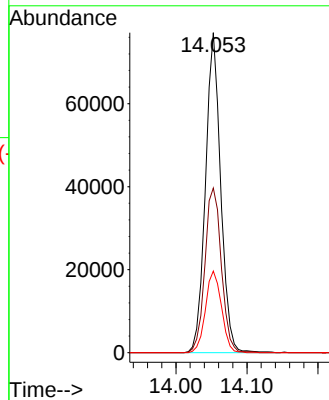
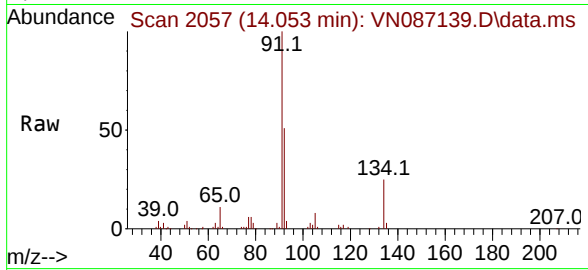
#89
n-Butylbenzene
Concen: 14.917 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01

Tgt Ion: 91 Resp: 11505
Ion Ratio Lower Upper
91 100
92 55.6 27.5 82.4
134 26.7 13.0 39.0

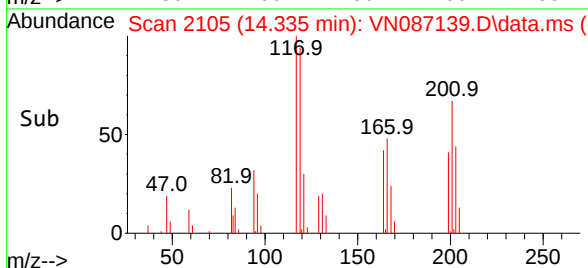
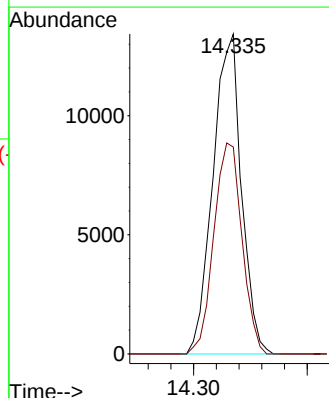
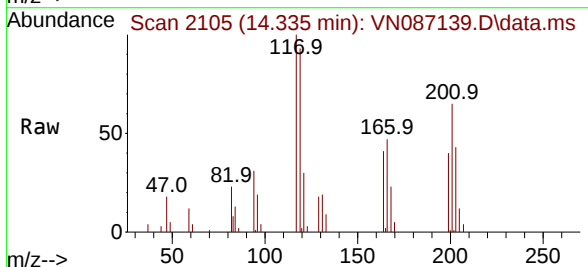
Manual Integrations
APPROVED

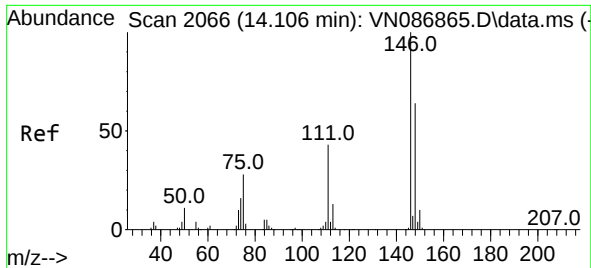
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#90
Hexachloroethane
Concen: 17.316 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Tgt Ion:117 Resp: 23371
Ion Ratio Lower Upper
117 100
201 65.2 33.2 99.6





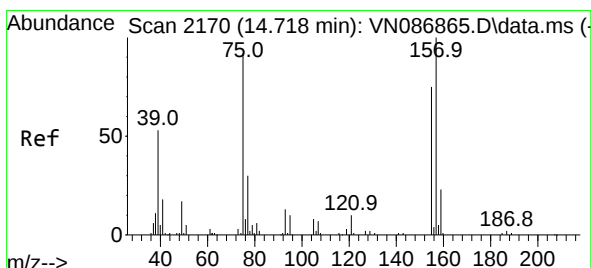
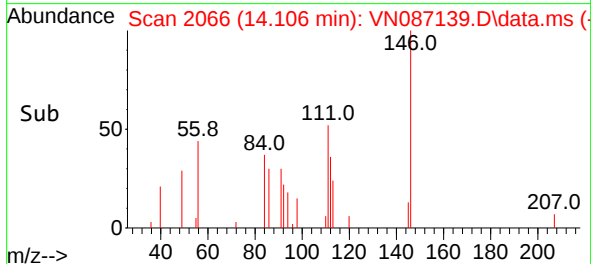
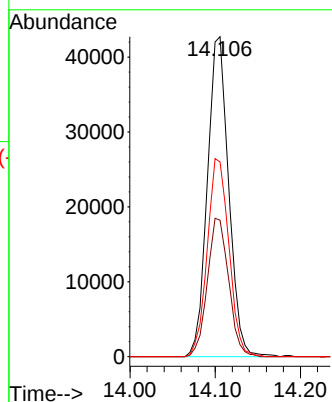
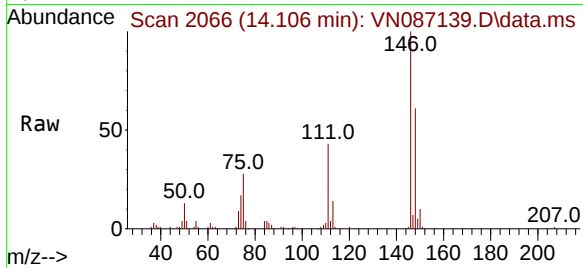
#91
1,2-Dichlorobenzene
Concen: 19.518 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01

Tgt Ion:146 Resp: 74259
Ion Ratio Lower Upper
146 100
111 43.2 21.6 64.6
148 62.9 31.7 95.1

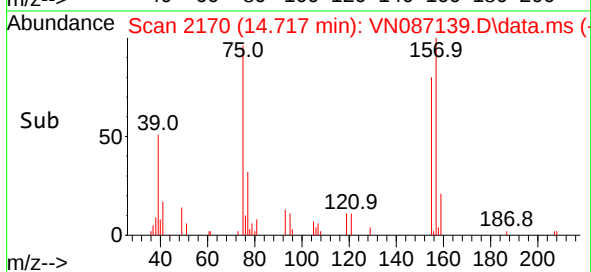
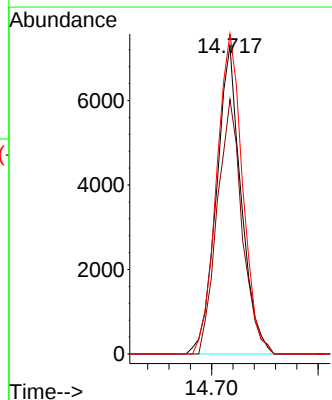
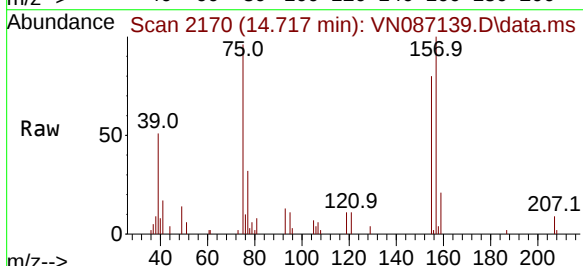
Manual Integrations
APPROVED

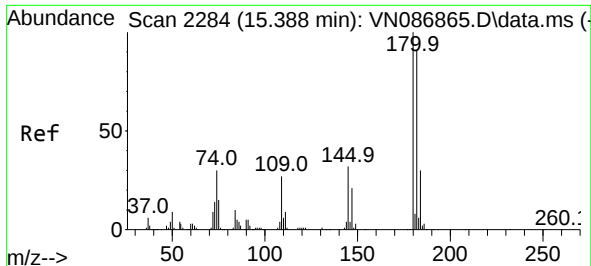
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 16.467 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Tgt Ion: 75 Resp: 11709
Ion Ratio Lower Upper
75 100
155 83.6 41.1 123.4
157 109.4 52.7 158.1





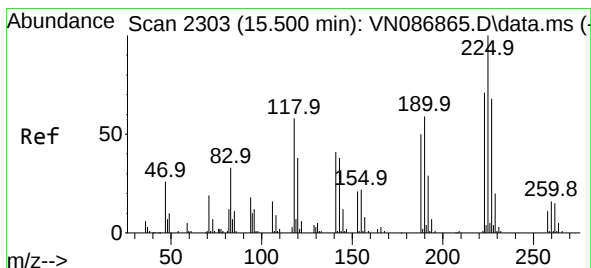
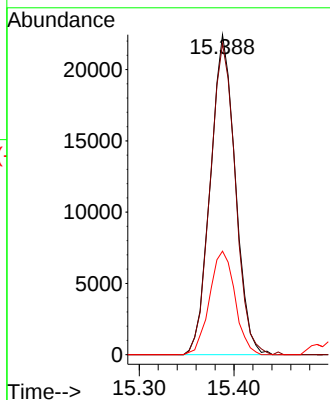
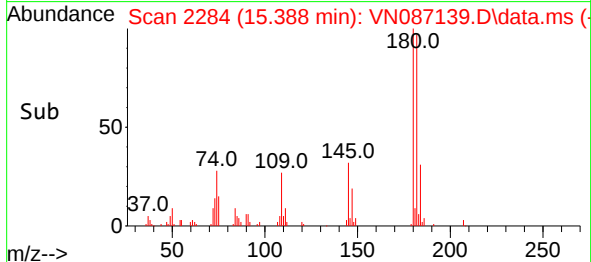
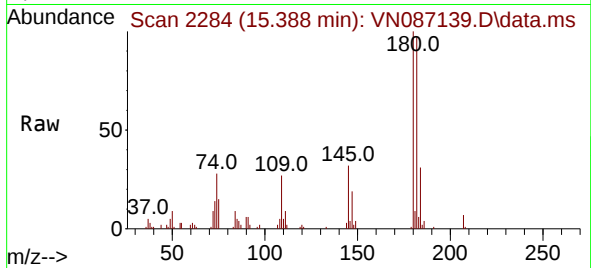
#93
1,2,4-Trichlorobenzene
Concen: 16.834 ug/l
RT: 15.388 min Scan# 2100
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBSD01

Tgt Ion:180 Resp: 40899
Ion Ratio Lower Upper
180 100
182 98.5 46.9 140.7
145 33.1 16.0 47.9

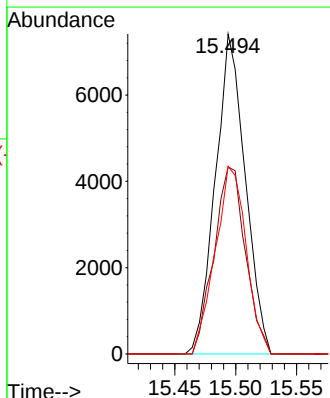
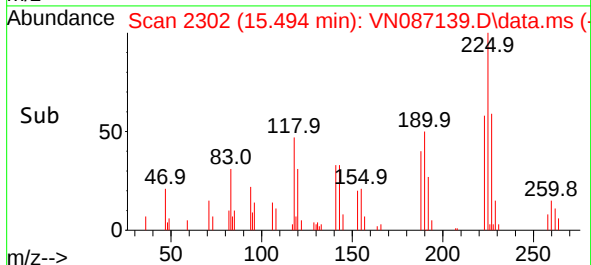
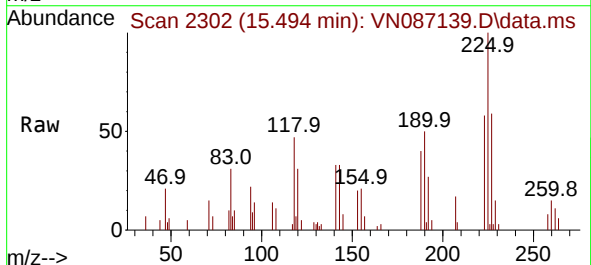
Manual Integrations
APPROVED

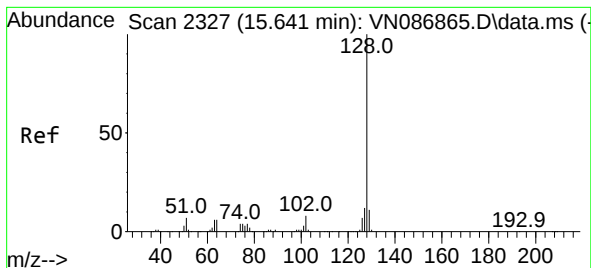
Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#94
Hexachlorobutadiene
Concen: 14.015 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

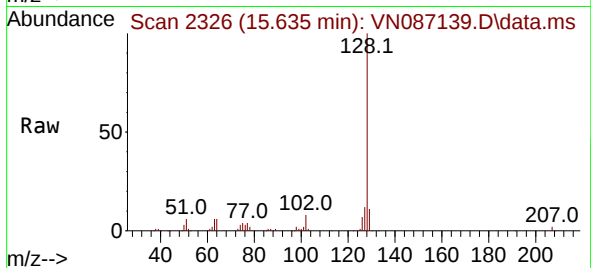
Tgt Ion:225 Resp: 12686
Ion Ratio Lower Upper
225 100
223 61.6 33.5 100.4
227 60.8 31.1 93.5





#95
Naphthalene
Concen: 17.903 ug/l
RT: 15.635 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

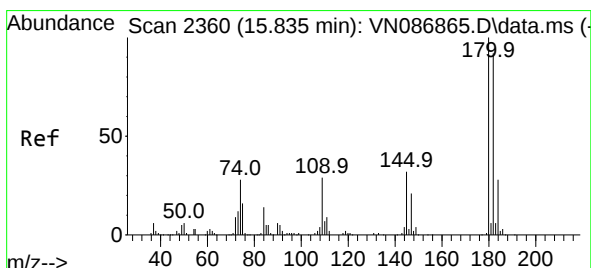
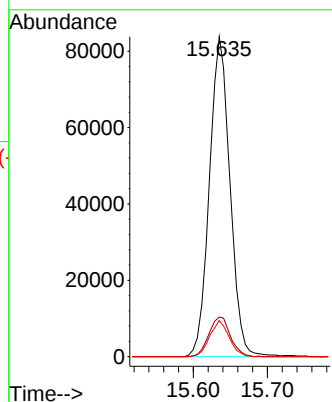
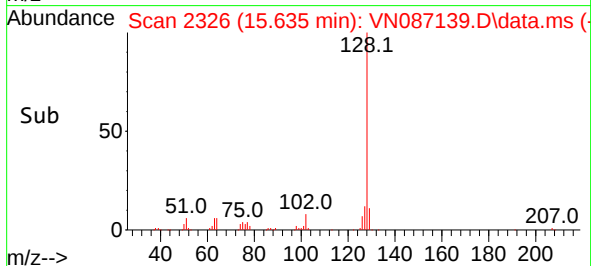
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01



Tgt Ion:128 Resp: 16189
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.7 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 16.881 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN087139.D
Acq: 20 Jun 2025 15:08

Tgt Ion:180 Resp: 40748
Ion Ratio Lower Upper
180 100
182 93.6 47.0 141.0
145 33.1 16.6 49.8

