

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087166.D
 Acq On : 25 Jun 2025 10:24
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2025
 Supervised By : Mahesh Dadoda 06/26/2025

Quant Time: Jun 25 10:47:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:38:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	34436	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	194011	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	186774	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	74130	31.331	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.433%			
60) 4-Bromofluorobenzene	12.847	95	87432	29.816	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.400%			
63) Toluene-d8	10.571	98	247397	28.859	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	328743	140.560	ug/l	99
3) Chloromethane	2.395	50	344616	114.281	ug/l	100
4) Vinyl Chloride	2.553	62	380413	137.080	ug/l	96
5) Bromomethane	2.965	94	196072	133.348	ug/l	95
6) Chloroethane	3.142	64	199925	117.788	ug/l	98
7) Trichlorofluoromethane	3.518	101	438423	134.888	ug/l	99
8) Diethyl Ether	3.977	74	228664	168.656	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.394	101	330508	165.921	ug/l #	88
10) 1,1-Dichloroethene	4.365	96	332121	163.541	ug/l	97
11) Methyl Iodide	4.612	142	363941	152.023	ug/l	96
12) Methyl Acetate	5.047	43	529248	234.665	ug/l	99
13) Acrolein	4.200	56	494100	2120.692	ug/l	100
14) Acrylonitrile	5.736	53	1229651	1171.622	ug/l	100
15) Acetone	4.447	58	335530	1262.652	ug/l	91
16) Carbon Disulfide	4.736	76	934684	157.671	ug/l	99
17) Allyl chloride	5.042	41	547297	181.407	ug/l	92
18) Methylene Chloride	5.294	84	370628	157.151	ug/l	98
19) trans-1,2-Dichloroethene	5.806	96	353679	166.418	ug/l	97
20) Diisopropyl ether	6.688	45	1127057	169.621	ug/l	96
21) 1,1-Dichloroethane	6.583	63	665820	166.042	ug/l	99
22) cis-1,2-Dichloroethene	7.500	96	431407	167.622	ug/l	96
23) tert-Butyl Alcohol	5.547	59	464693	1378.774	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	1188591	177.588	ug/l	97
25) Chloroform	7.977	83	646145	164.630	ug/l	99
26) Cyclohexane	8.265	56	593136	170.905	ug/l #	97
29) 1,1-Dichloropropene	8.377	75	485720	170.277	ug/l	100
30) 2-Butanone	7.494	43	1653884	1323.281	ug/l	98
31) 2,2-Dichloropropane	7.500	77	567545	168.554	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	547772	165.656	ug/l	98
33) Carbon Tetrachloride	8.371	117	465916	164.834	ug/l	99
34) Benzene	8.612	78	1449530	156.178	ug/l	97
35) Methacrylonitrile	7.788	41	324629	226.112	ug/l	94
36) 1,2-Dichloroethane	8.677	62	456777	167.948	ug/l	98
37) Trichloroethene	9.359	130	344162	133.684	ug/l	91
38) Methylcyclohexane	9.606	83	564171	178.256	ug/l	96
39) 1,2-Dichloropropane	9.624	63	370597	165.854	ug/l	98
40) Dibromomethane	9.712	93	248835	170.265	ug/l	98
41) Bromodichloromethane	9.888	83	509473	166.539	ug/l	98
42) Vinyl Acetate	6.618	43	5152202	1414.217	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	596805	233.358	ug/l	97
44) Isopropyl Acetate	8.694	43	922972	210.380	ug/l	96
45) 1,4-Dioxane	9.706	88	136174	3492.194	ug/l #	93
46) Methyl methacrylate	9.682	41	448002	221.464	ug/l	98
47) n-amyl Acetate	12.500	43	635191	180.347	ug/l #	100
48) t-1,3-Dichloropropene	10.835	75	593288	181.231	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	629822	174.914	ug/l	99
50) 1,1,2-Trichloroethane	11.018	97	355131	172.532	ug/l	98
51) Ethyl methacrylate	10.876	69	631073	189.307	ug/l	97
52) 1,3-Dichloropropane	11.165	76	622735	170.477	ug/l	98
53) Dibromochloromethane	11.359	129	393072	168.990	ug/l	98
54) 1,2-Dibromoethane	11.470	107	376916	179.142	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	1674601	1046.520	ug/l	99
56) Bromoform	12.576	173	267364	182.430	ug/l	100
58) 4-Methyl-2-Pentanone	10.447	43	2972532	1084.631	ug/l	97
59) 2-Hexanone	11.200	43	2111404	1075.545	ug/l	98
61) Tetrachloroethene	11.106	164	281420	89.636	ug/l	97
62) Toluene	10.629	91	1606715	152.743	ug/l	98
64) Chlorobenzene	11.894	112	1032685	153.939	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	340847	154.659	ug/l	99
66) Ethyl Benzene	11.965	91	1822466	160.178	ug/l	99
67) m/p-Xylenes	12.070	106	1394481	312.329	ug/l	99
68) o-Xylene	12.394	106	672570	155.436	ug/l	99
69) Styrene	12.412	104	1159533	160.846	ug/l	98
70) Isopropylbenzene	12.694	105	1669808	162.251	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	567347	231.867	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	471614m	164.456	ug/l	
73) Bromobenzene	12.976	156	398769	155.892	ug/l	96
74) n-propylbenzene	13.035	91	2036919	167.094	ug/l	98
75) 2-Chlorotoluene	13.123	91	1222718	156.271	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	1356652	158.459	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	240560	204.982	ug/l	94
78) 4-Chlorotoluene	13.217	91	1255673	162.009	ug/l	99
79) tert-butylbenzene	13.435	119	1162060	156.987	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	1387864	161.497	ug/l	100
81) sec-Butylbenzene	13.612	105	1597517	158.414	ug/l	99
82) p-Isopropyltoluene	13.729	119	1349971	159.427	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	729988	155.558	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	736335	157.675	ug/l	99
85) n-Butylbenzene	14.053	91	1220446	172.161	ug/l	99
86) Hexachloroethane	14.329	117	249792	173.087	ug/l	96
87) 1,2-Dichlorobenzene	14.106	146	693617	153.225	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	137557	266.961	ug/l	92
89) 1,2,4-Trichlorobenzene	15.835	180	429237	226.572	ug/l	97
90) Hexachlorobutadiene	15.500	225	120167	147.993	ug/l	98
91) Naphthalene	15.635	128	1756242	265.695	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	429237	226.572	ug/l	97

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

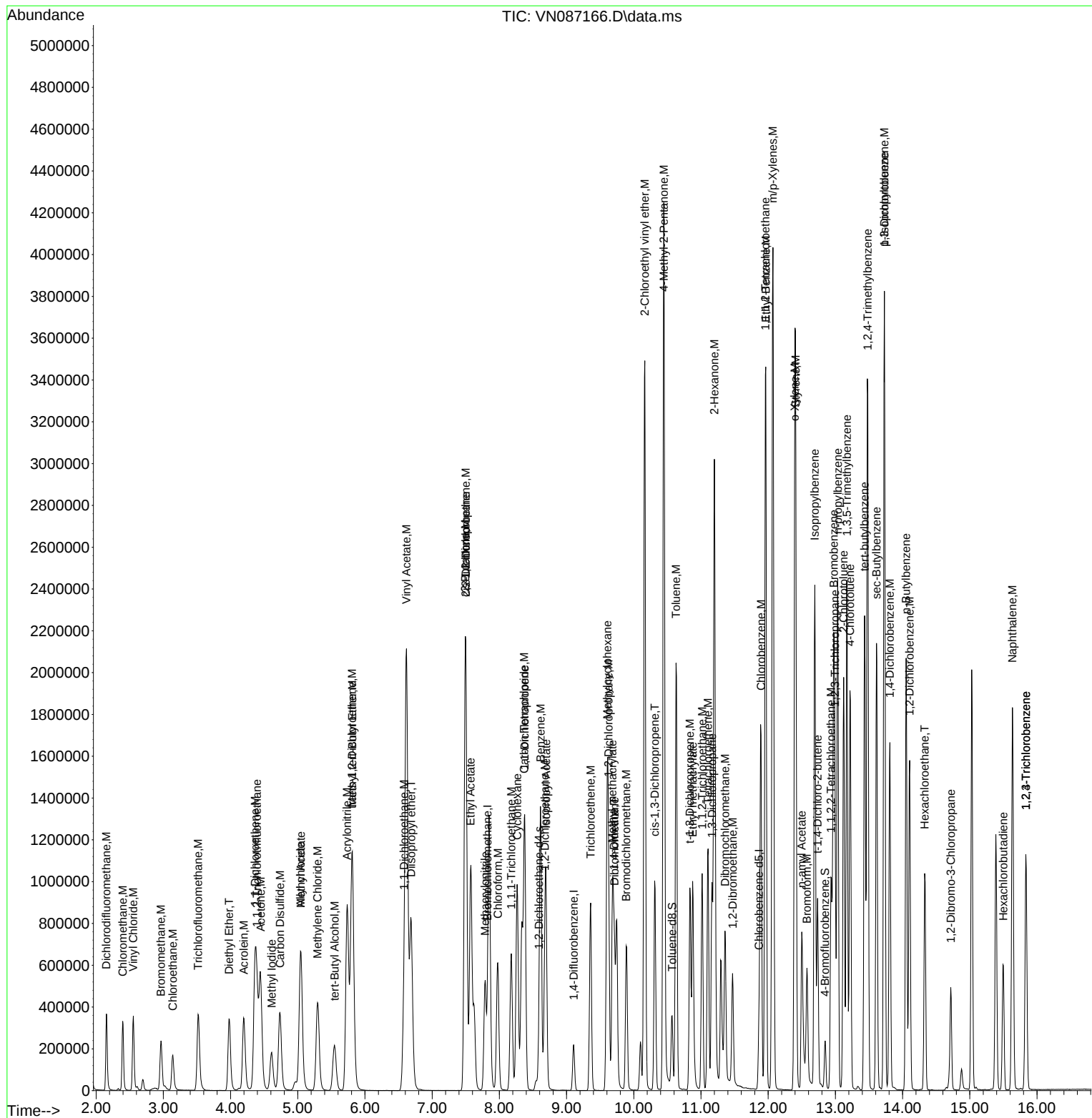
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
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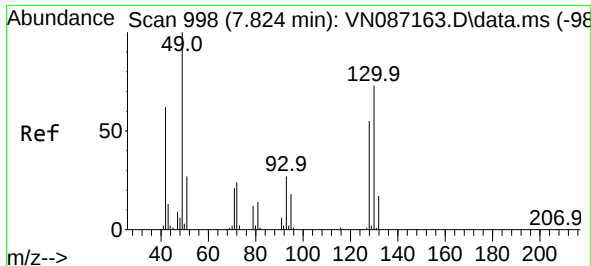
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Manual Integrations
APPROVED

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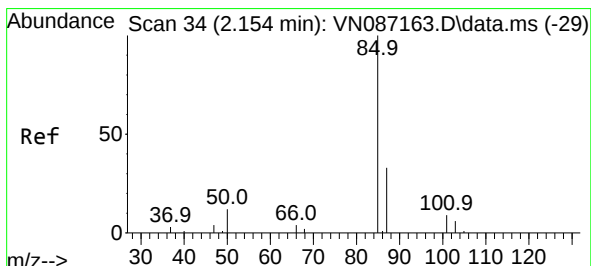
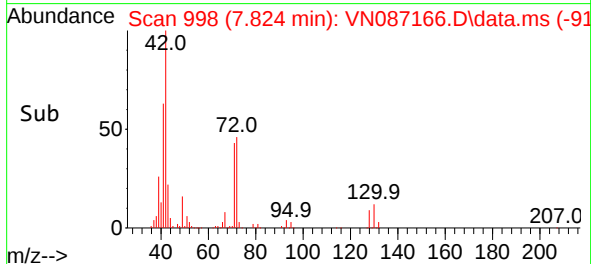
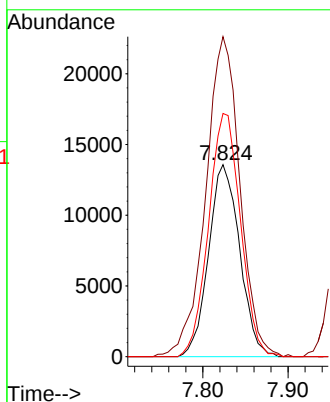
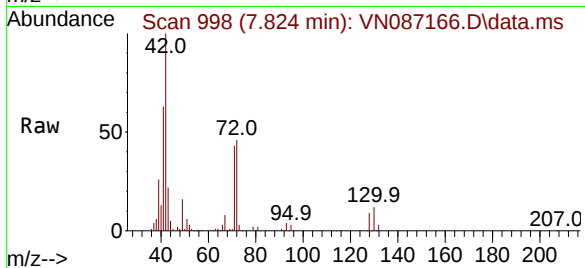
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 34436
Ion Ratio Lower Upper
128 100
49 183.2 0.0 450.5
130 129.8 0.0 320.7

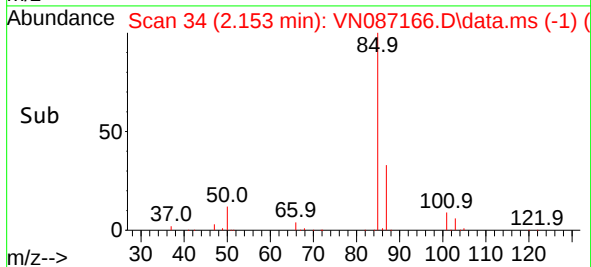
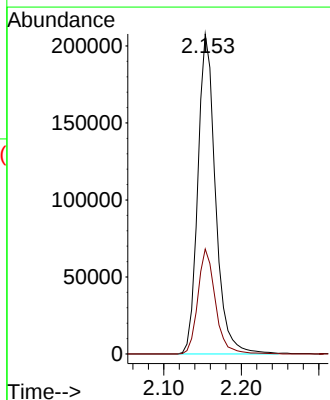
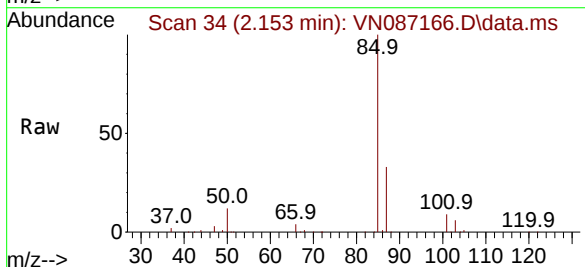
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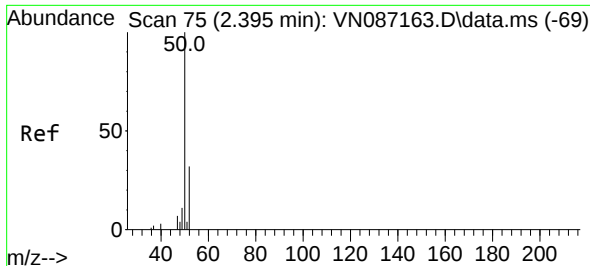
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#2
Dichlorodifluoromethane
Concen: 140.560 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

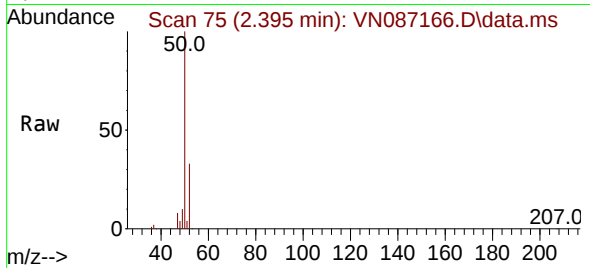
Tgt Ion: 85 Resp: 328743
Ion Ratio Lower Upper
85 100
87 32.8 16.7 50.0





#3
Chloromethane
Concen: 114.281 ug/l
RT: 2.395 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

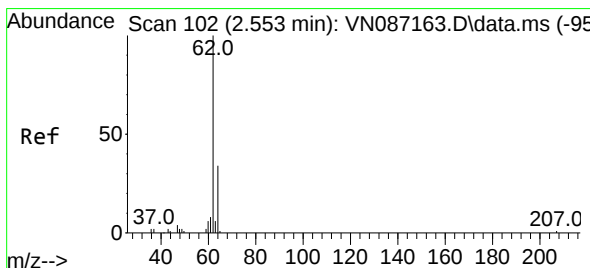
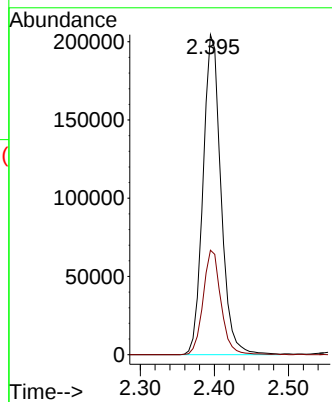
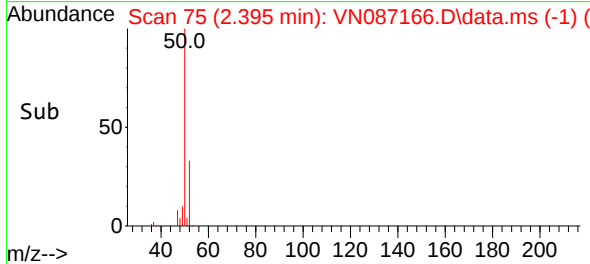
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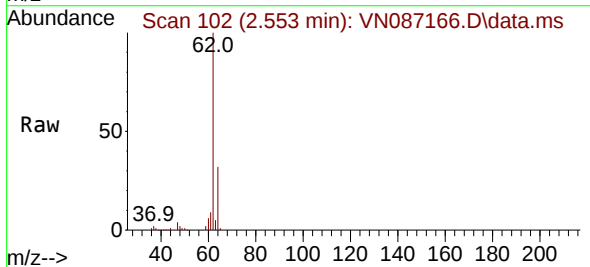
Tgt Ion: 50 Resp: 344610
Ion Ratio Lower Upper
50 100
52 32.6 25.9 38.9

Manual Integrations
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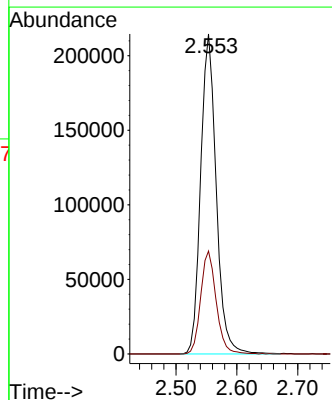
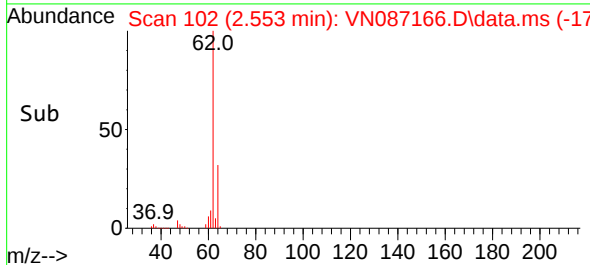
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

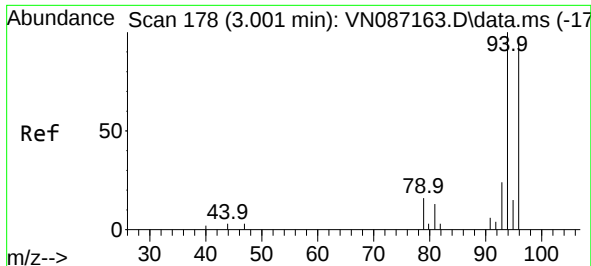


#4
Vinyl Chloride
Concen: 137.080 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



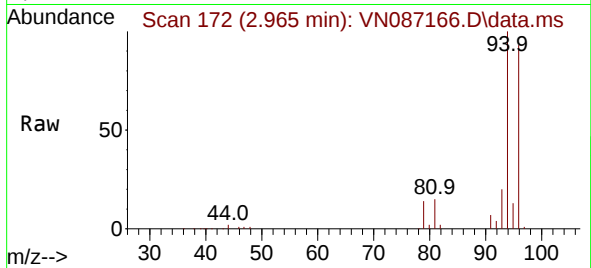
Tgt Ion: 62 Resp: 380413
Ion Ratio Lower Upper
62 100
64 32.2 27.4 41.2





#5
Bromomethane
Concen: 133.348 ug/l
RT: 2.965 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

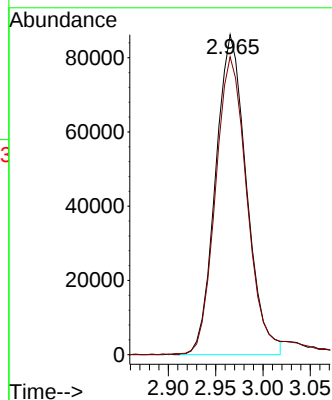
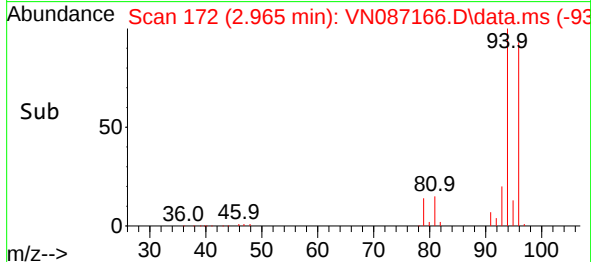
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 94 Resp: 196072
Ion Ratio Lower Upper
94 100
96 92.8 77.9 116.9

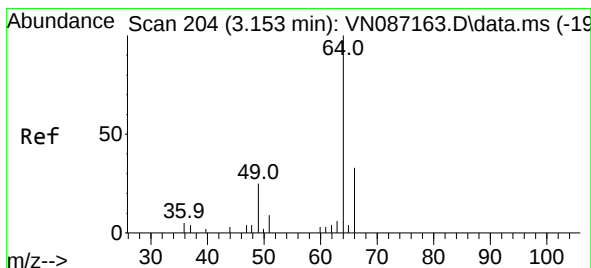
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Carlone



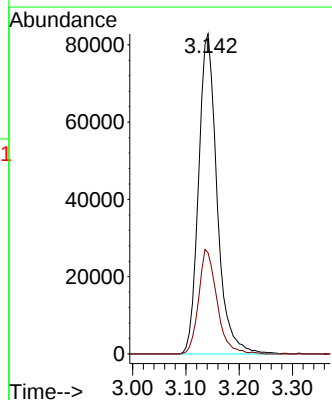
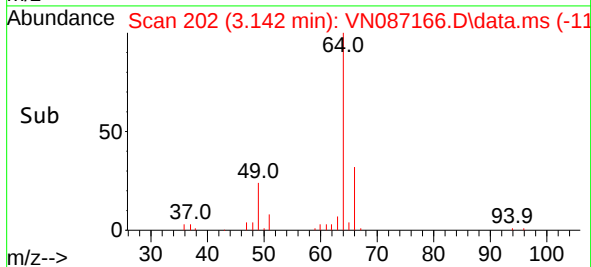
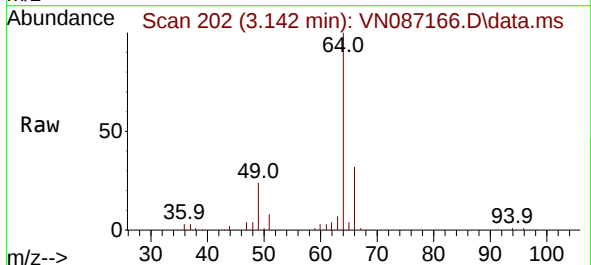
06/25/2025
Supervised By :Mahesh
Dadoda

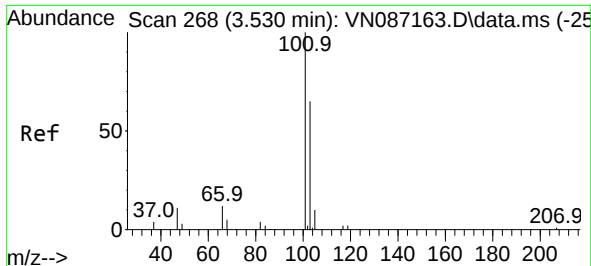
06/26/2025



#6
Chloroethane
Concen: 117.788 ug/l
RT: 3.142 min Scan# 202
Delta R.T. -0.012 min
Lab File: VN087166.D
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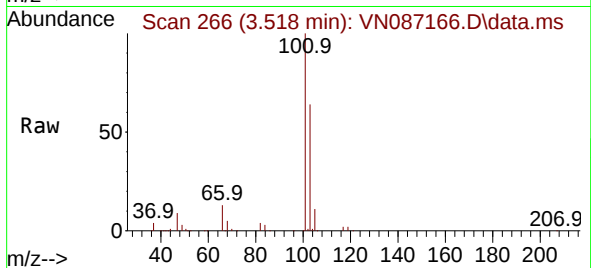
Tgt Ion: 64 Resp: 199925
Ion Ratio Lower Upper
64 100
66 31.6 26.4 39.6





#7
 Trichlorofluoromethane
 Concen: 134.888 ug/l
 RT: 3.518 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: VN087166.D
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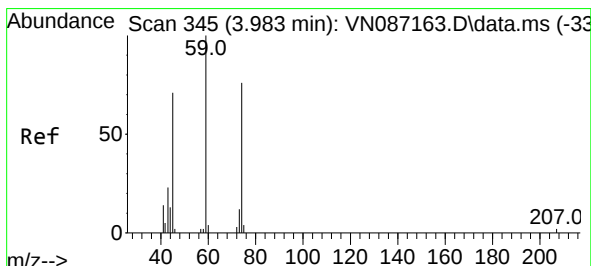
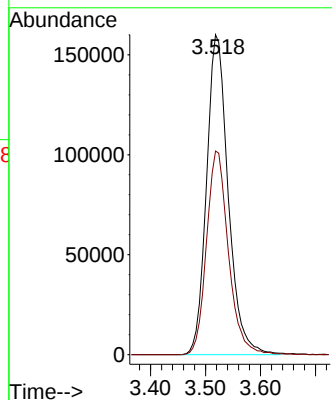
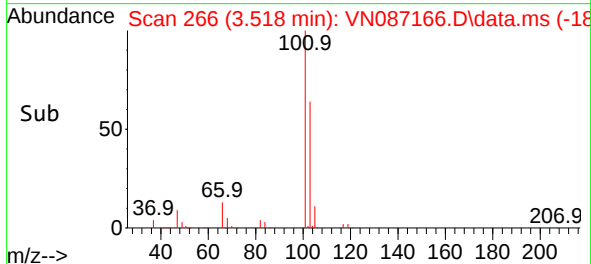
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150



Tgt Ion:101 Resp: 43842
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.8 77.8

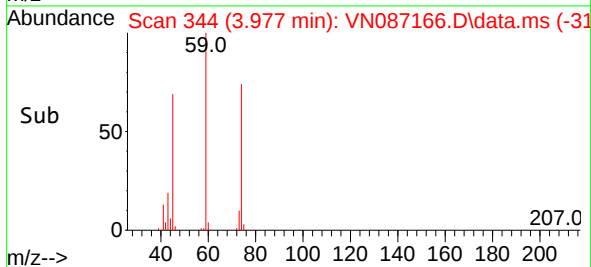
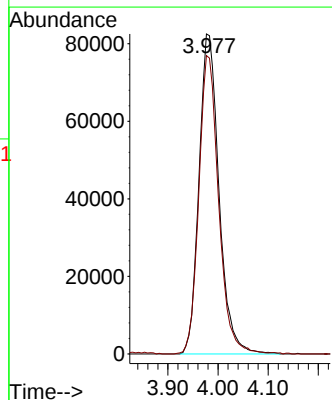
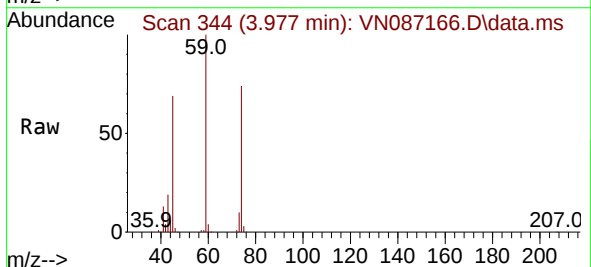
Manual Integrations
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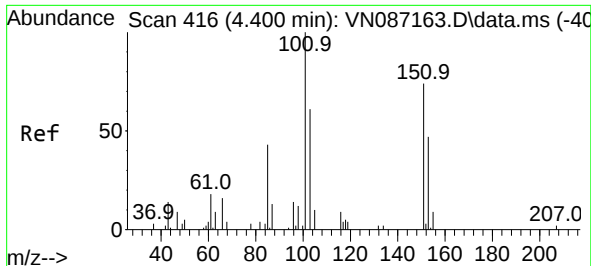
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#8
 Diethyl Ether
 Concen: 168.656 ug/l
 RT: 3.977 min Scan# 344
 Delta R.T. -0.006 min
 Lab File: VN087166.D
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Tgt Ion: 74 Resp: 228664
 Ion Ratio Lower Upper
 74 100
 45 92.4 19.0 171.0





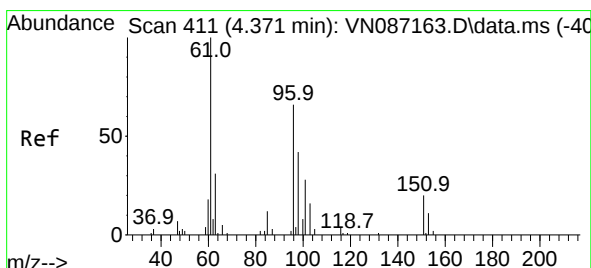
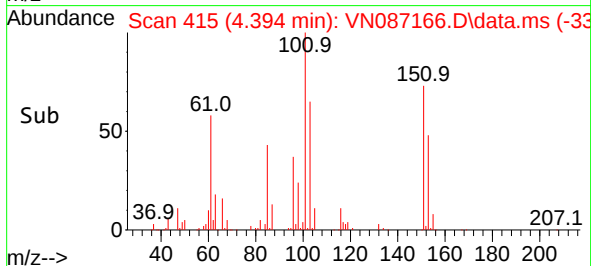
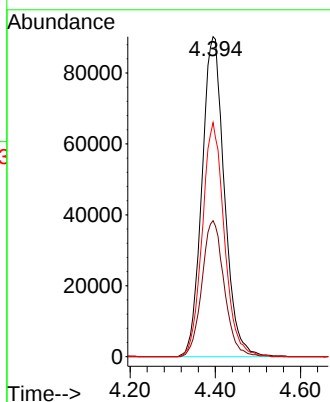
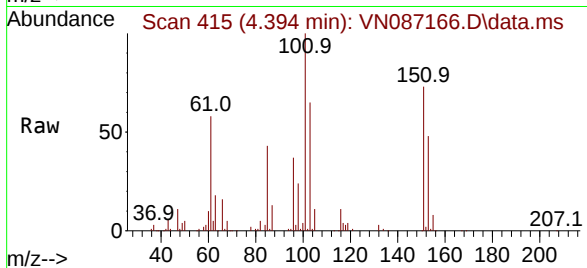
#9
1,1,2-Trichlorotrifluoroethane
Concen: 165.921 ug/l
RT: 4.394 min Scan# 416
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:101 Resp: 330508
Ion Ratio Lower Upper
101 100
85 42.2 0.0 40.6
151 71.6 0.0 141.2

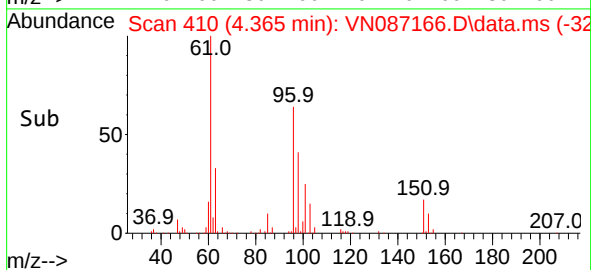
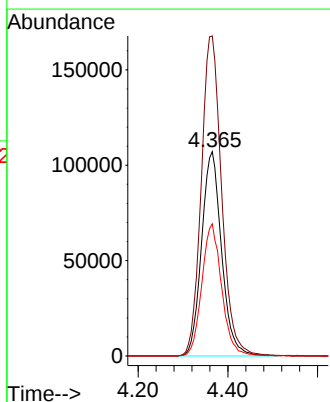
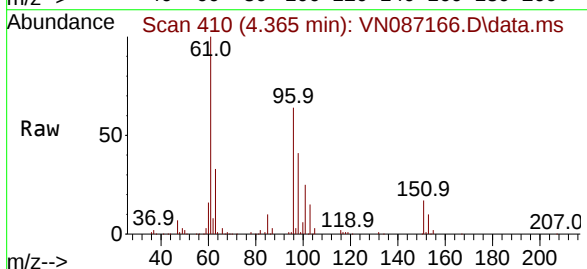
Manual Integrations
APPROVED

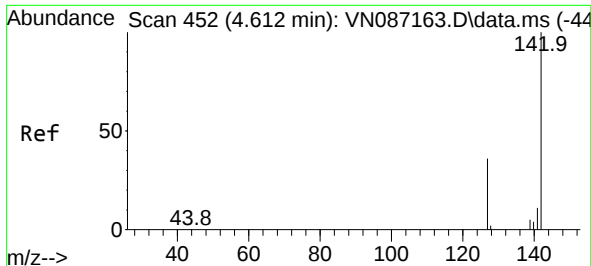
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#10
1,1-Dichloroethene
Concen: 163.541 ug/l
RT: 4.365 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

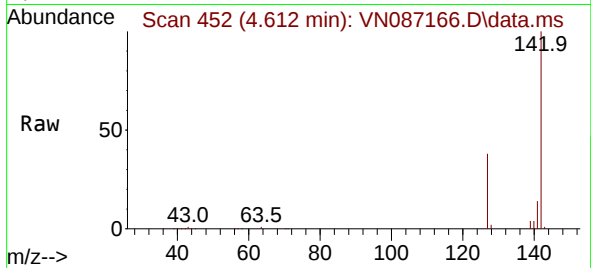
Tgt Ion: 96 Resp: 332121
Ion Ratio Lower Upper
96 100
61 156.6 122.0 183.0
98 64.7 50.3 75.5





#11
Methyl Iodide
Concen: 152.023 ug/l
RT: 4.612 min Scan# 452
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

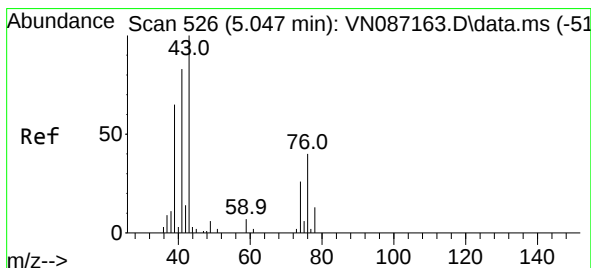
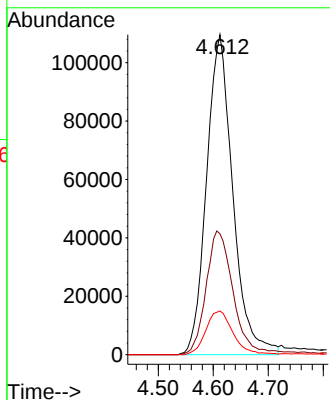
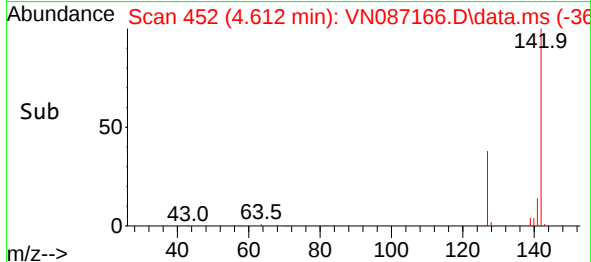
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion:142 Resp: 36394
Ion Ratio Lower Upper
142 100
127 37.7 18.1 54.1
141 13.7 5.7 17.1

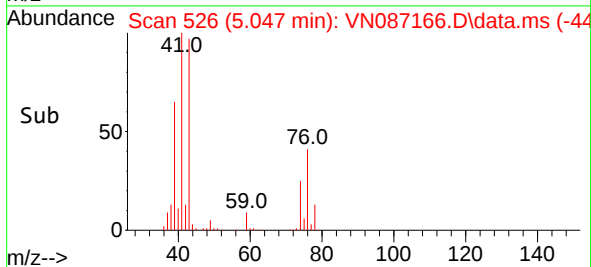
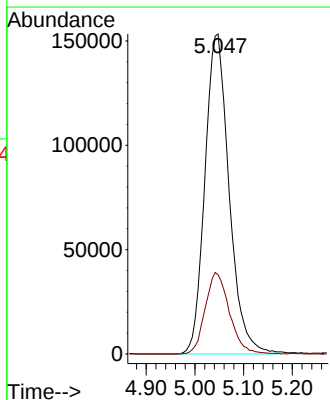
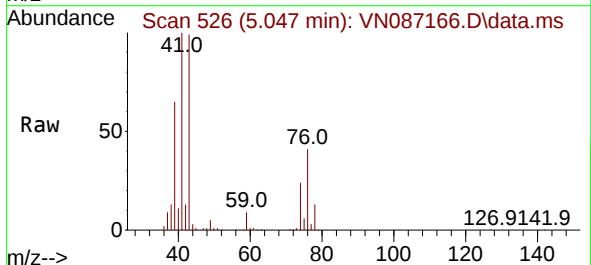
Manual Integrations
APPROVED

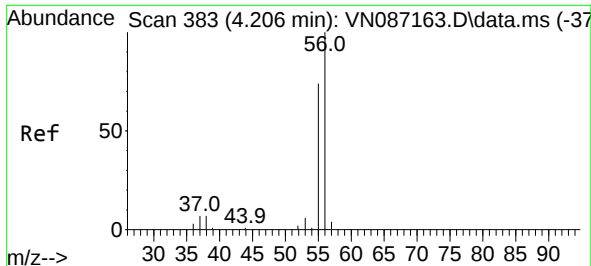
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#12
Methyl Acetate
Concen: 234.665 ug/l
RT: 5.047 min Scan# 526
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Tgt Ion: 43 Resp: 529248
Ion Ratio Lower Upper
43 100
74 24.7 20.3 30.5





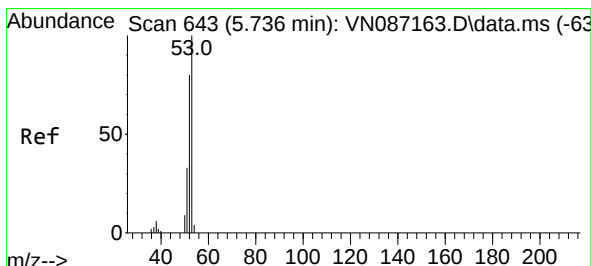
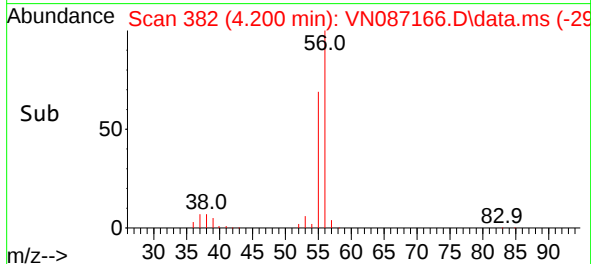
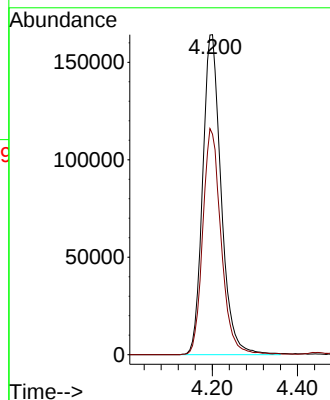
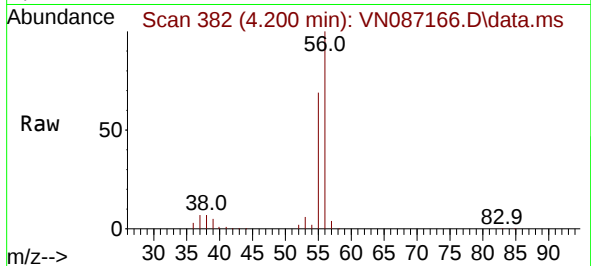
#13
Acrolein
Concen: 2120.692 ug/l
RT: 4.200 min Scan# 383
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 56 Resp: 494100
Ion Ratio Lower Upper
56 100
55 69.7 55.7 83.5

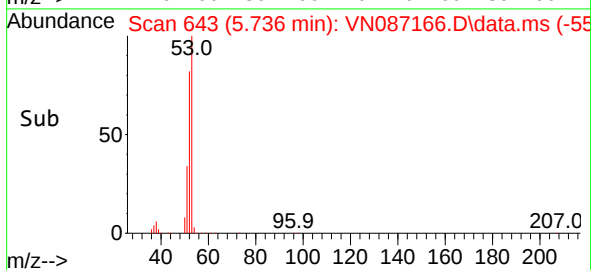
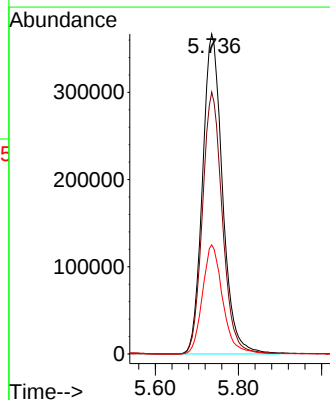
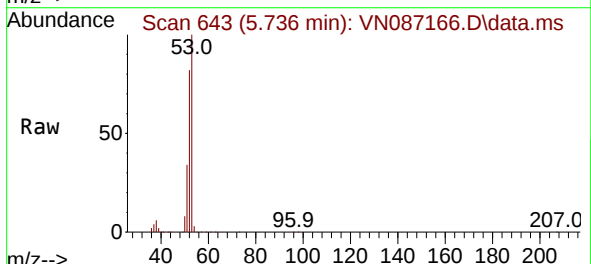
Manual Integrations
APPROVED

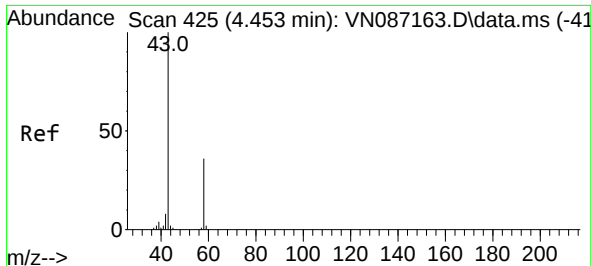
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#14
Acrylonitrile
Concen: 1171.622 ug/l
RT: 5.736 min Scan# 643
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

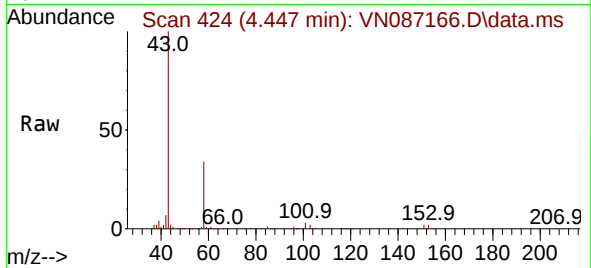
Tgt Ion: 53 Resp: 1229651
Ion Ratio Lower Upper
53 100
52 81.2 40.5 121.5
51 34.5 16.9 50.7





#15
Acetone
Concen: 1262.652 ug/l
RT: 4.447 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

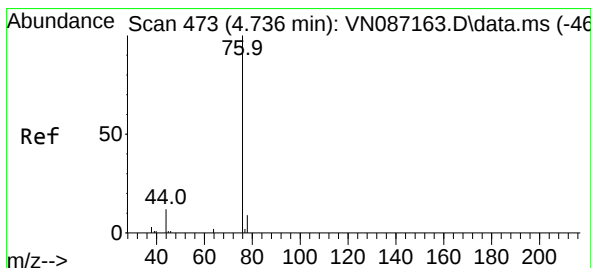
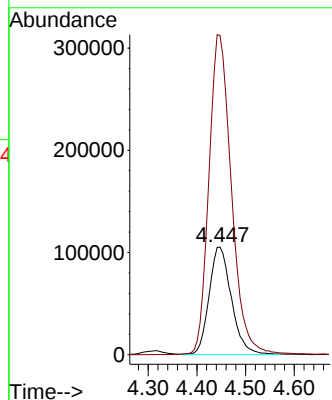
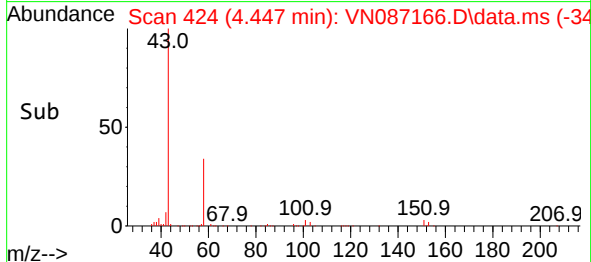
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 58 Resp: 335530
Ion Ratio Lower Upper
58 100
43 297.6 224.3 336.5

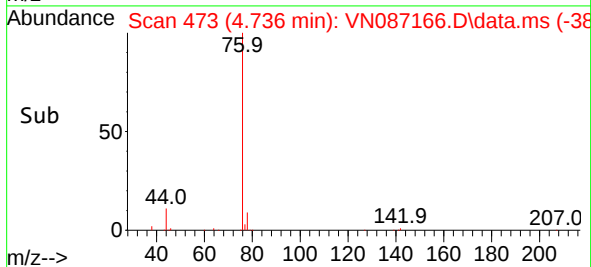
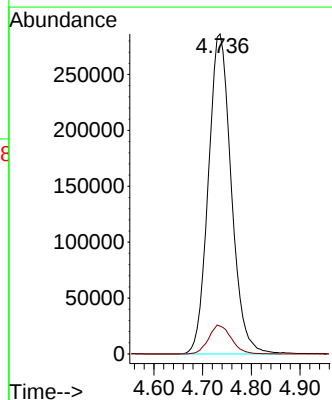
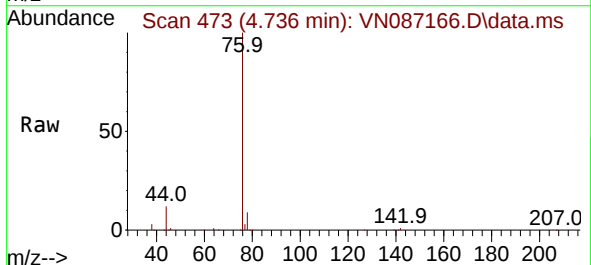
Manual Integrations
APPROVED

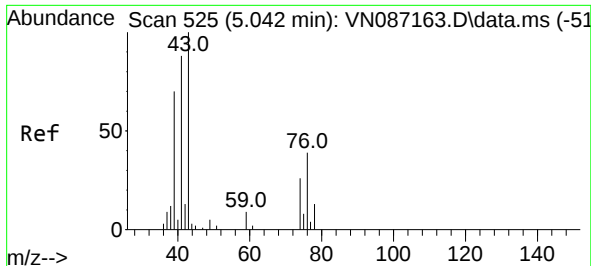
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#16
Carbon Disulfide
Concen: 157.671 ug/l
RT: 4.736 min Scan# 473
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

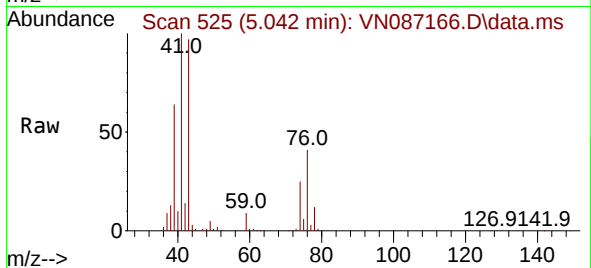
Tgt Ion: 76 Resp: 934684
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8





#17
Allyl chloride
Concen: 181.407 ug/l
RT: 5.042 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

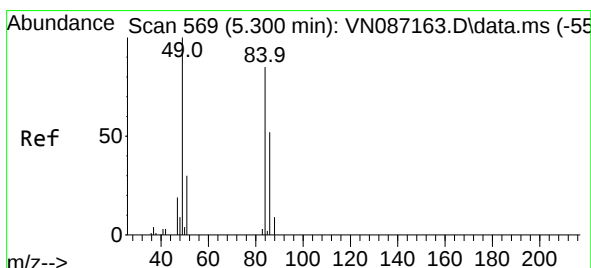
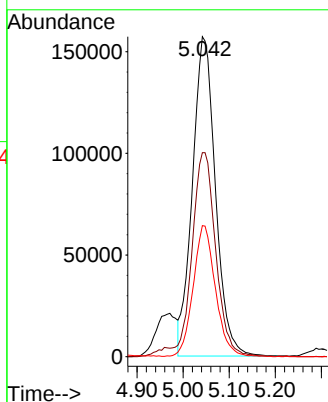
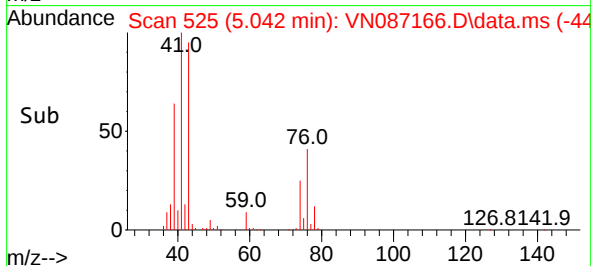
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 41 Resp: 54729
Ion Ratio Lower Upper
41 100
39 63.6 36.0 108.0
76 40.9 19.5 58.5

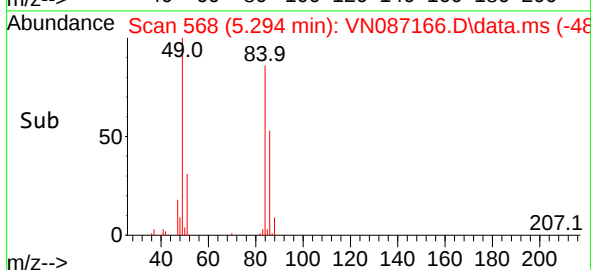
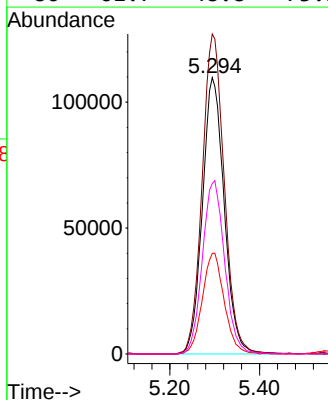
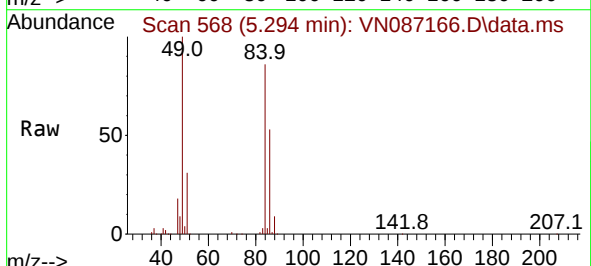
Manual Integrations
APPROVED

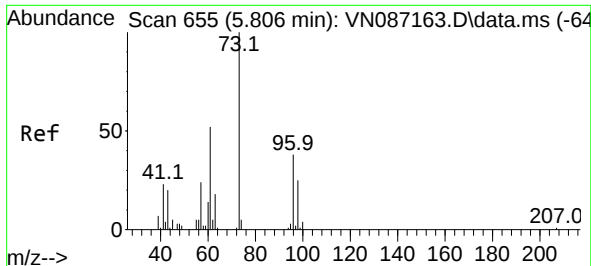
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#18
Methylene Chloride
Concen: 157.151 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

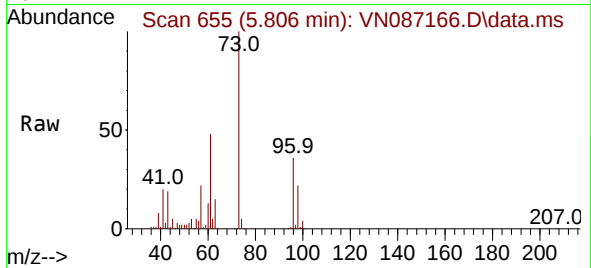
Tgt Ion: 84 Resp: 370628
Ion Ratio Lower Upper
84 100
49 115.5 94.0 141.0
51 36.4 28.3 42.5
86 61.7 48.8 73.2





#19
trans-1,2-Dichloroethene
Concen: 166.418 ug/l
RT: 5.806 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

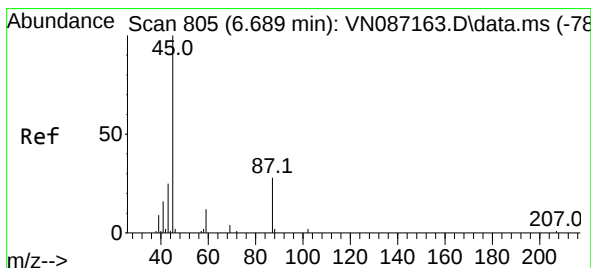
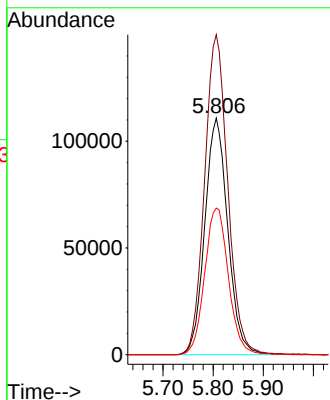
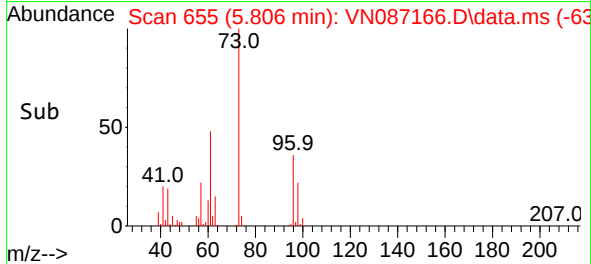
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 96 Resp: 353679
Ion Ratio Lower Upper
96 100
61 135.0 110.3 165.5
98 62.0 51.6 77.4

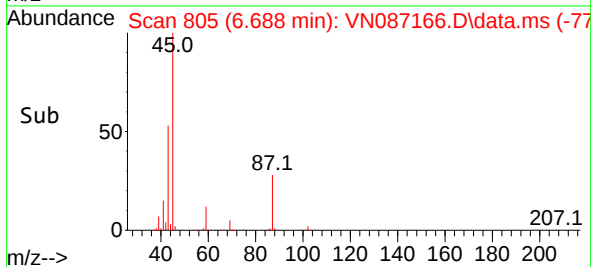
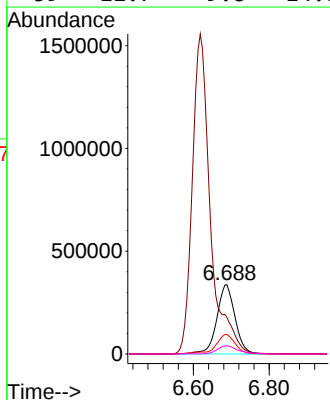
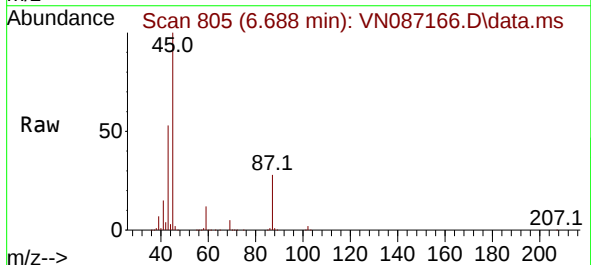
Manual Integrations
APPROVED

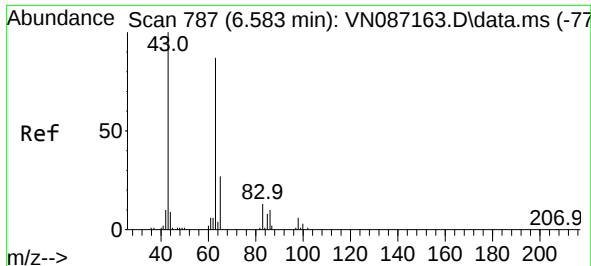
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#20
Diisopropyl ether
Concen: 169.621 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

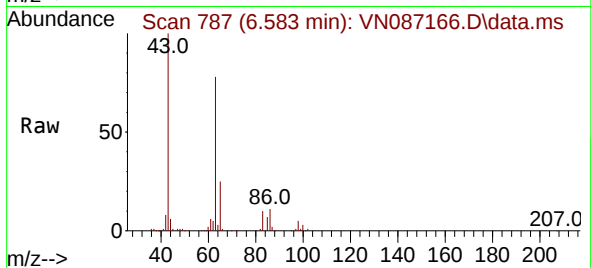
Tgt Ion: 45 Resp: 1127057
Ion Ratio Lower Upper
45 100
43 52.2 45.3 67.9
87 28.1 22.6 33.8
59 11.7 9.8 14.8





#21
1,1-Dichloroethane
Concen: 166.042 ug/l
RT: 6.583 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

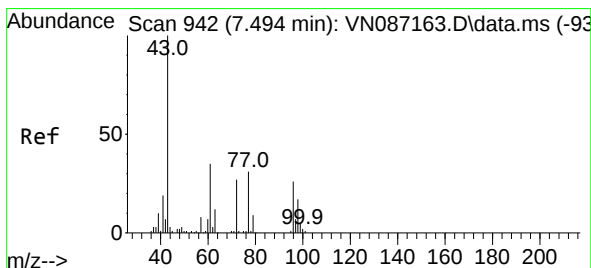
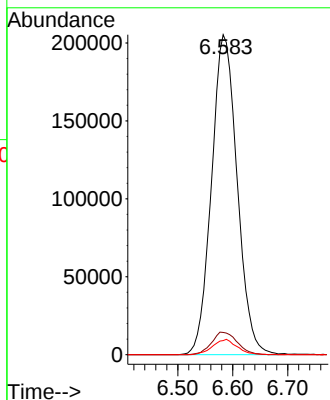
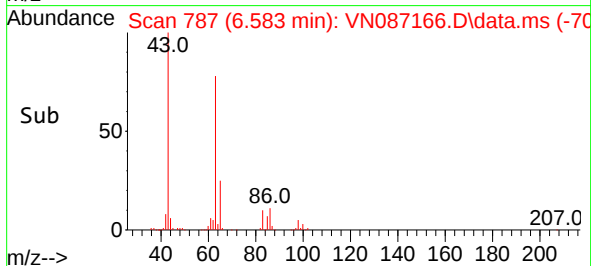
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



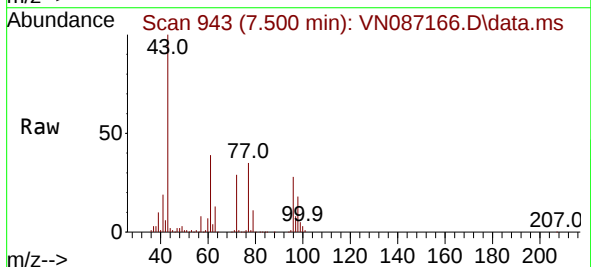
Tgt Ion: 63 Resp: 665820
Ion Ratio Lower Upper
63 100
98 7.0 3.5 10.4
100 4.4 2.0 5.8

Manual Integrations
APPROVED

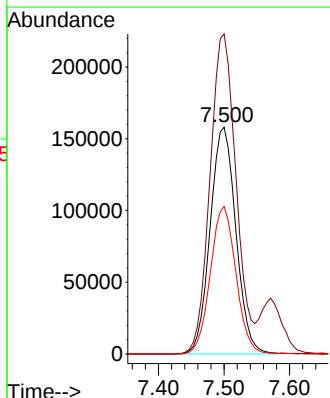
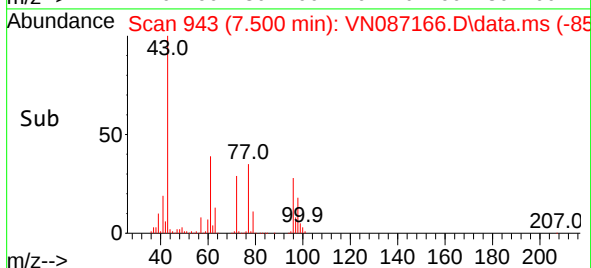
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

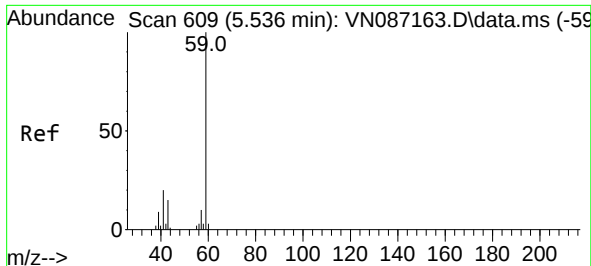


#22
cis-1,2-Dichloroethene
Concen: 167.622 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



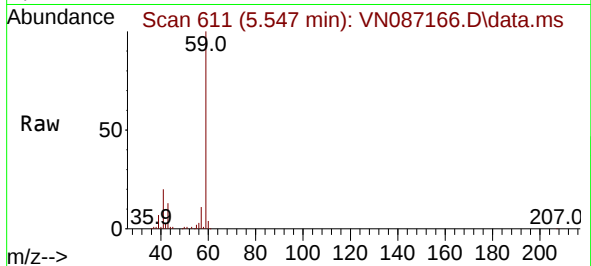
Tgt Ion: 96 Resp: 431407
Ion Ratio Lower Upper
96 100
61 142.9 119.2 178.8
98 64.4 50.6 75.8





#23
tert-Butyl Alcohol
Concen: 1378.774 ug/l
RT: 5.547 min Scan# 611
Delta R.T. 0.012 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

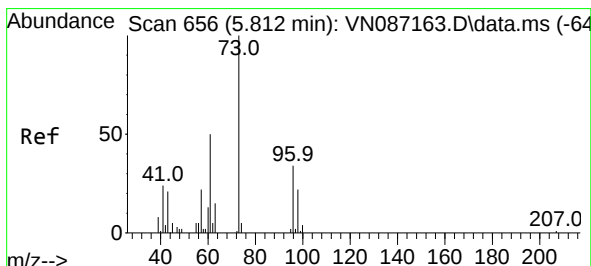
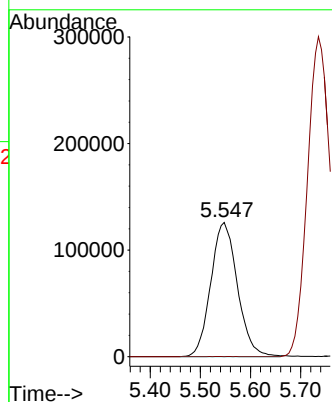
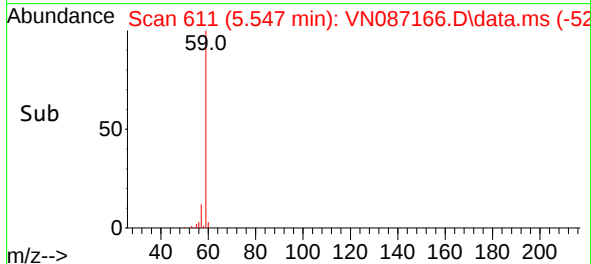
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



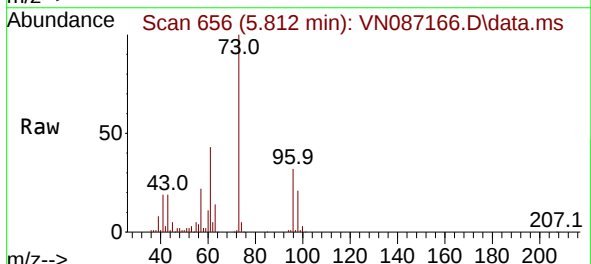
Tgt Ion: 59 Resp: 464693
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
APPROVED

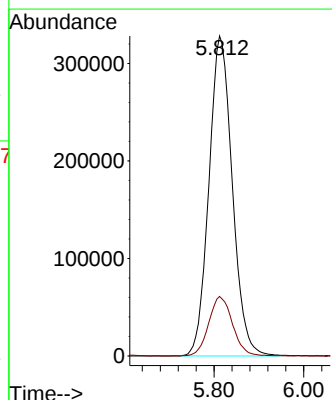
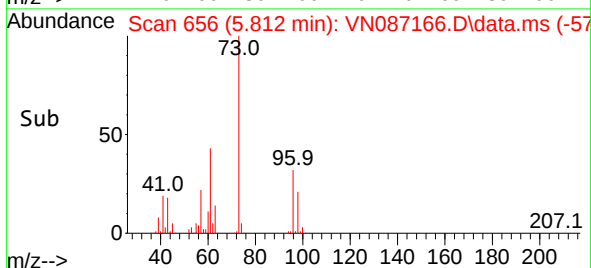
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

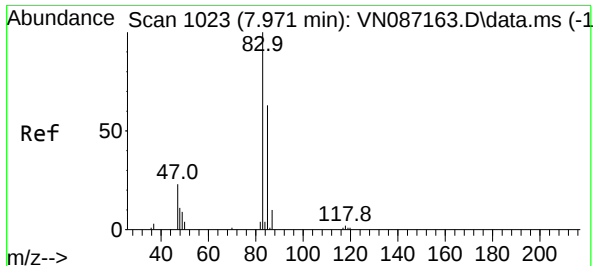


#24
Methyl tert-Butyl Ether
Concen: 177.588 ug/l
RT: 5.812 min Scan# 656
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



Tgt Ion: 73 Resp: 1188591
Ion Ratio Lower Upper
73 100
43 18.9 16.4 24.6





#25

Chloroform

Concen: 164.630 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 64614

Ion Ratio Lower Upper

83 100

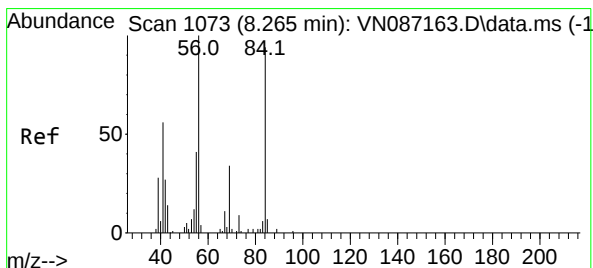
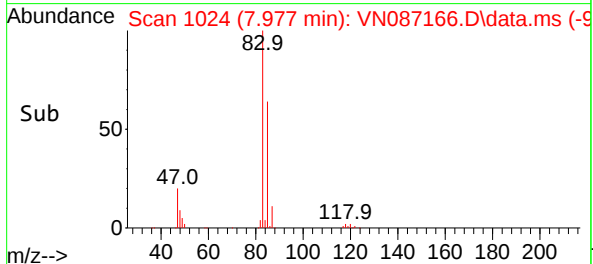
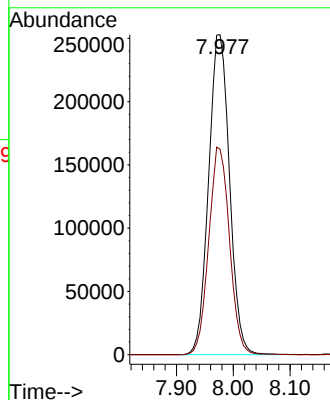
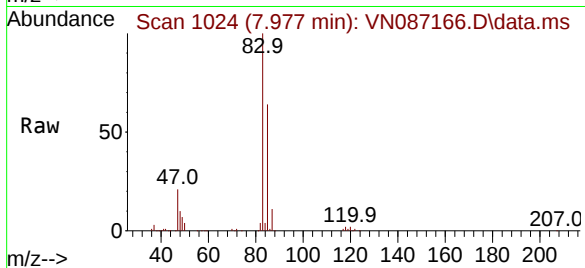
85 64.2 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#26

Cyclohexane

Concen: 170.905 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. -0.000 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

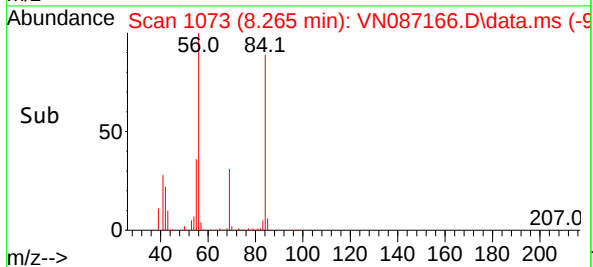
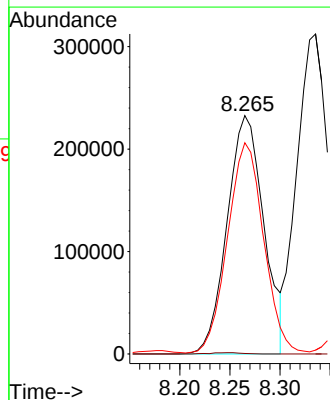
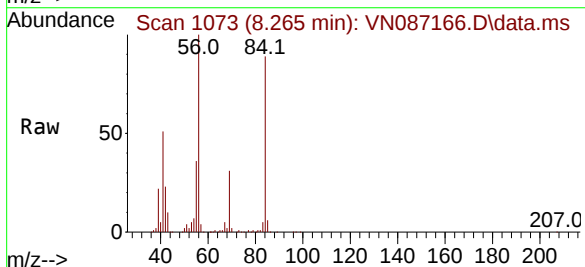
Tgt Ion: 56 Resp: 593136

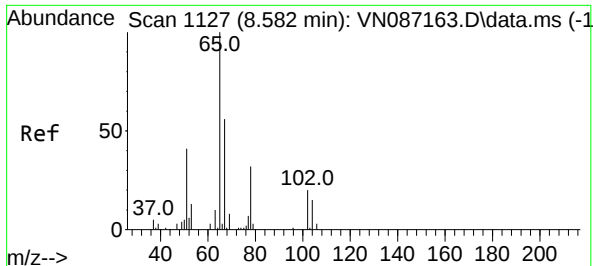
Ion Ratio Lower Upper

56 100

89 0.4 6.9 10.3

84 87.6 69.1 103.7





#27

1,2-Dichloroethane-d4

Concen: 31.331 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 74130

Ion Ratio Lower Upper

65 100

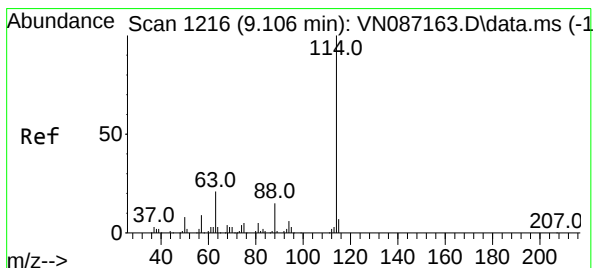
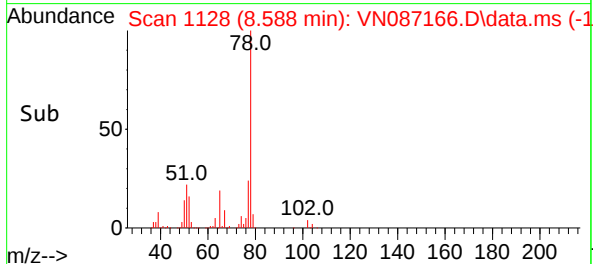
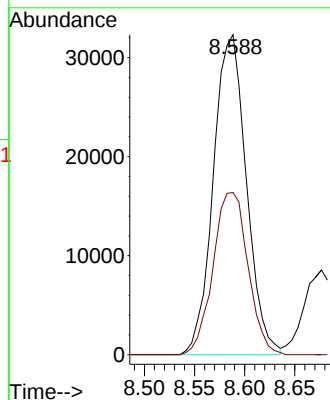
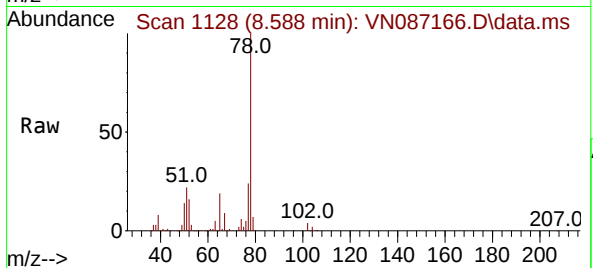
67 53.5 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

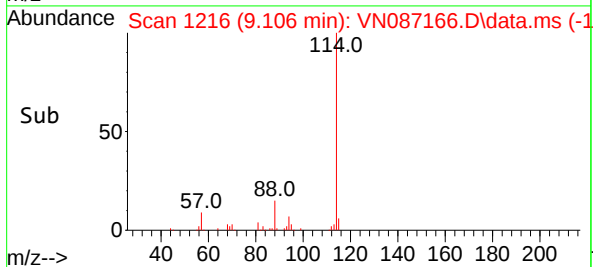
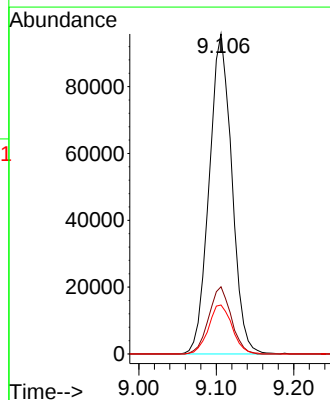
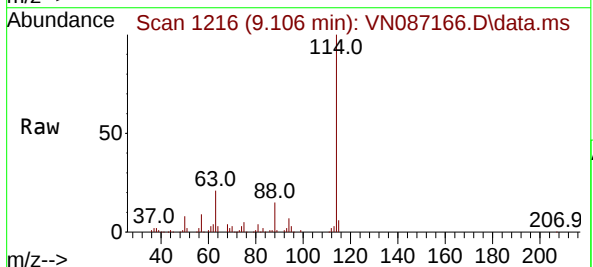
Tgt Ion:114 Resp: 194011

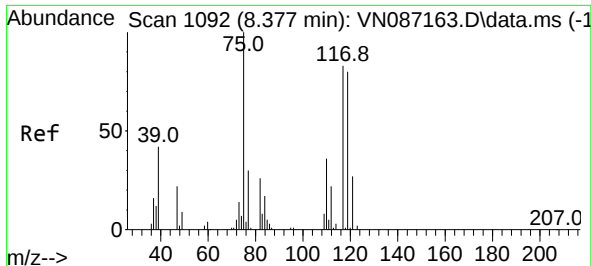
Ion Ratio Lower Upper

114 100

63 20.9 17.0 25.4

88 16.0 12.6 19.0





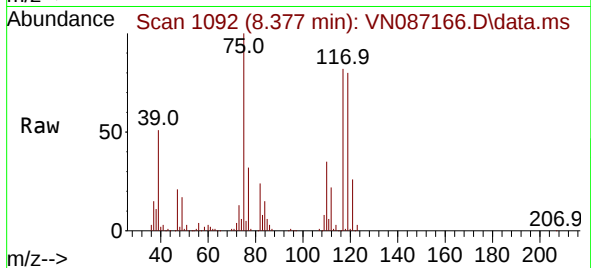
#29
1,1-Dichloropropene
Concen: 170.277 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150



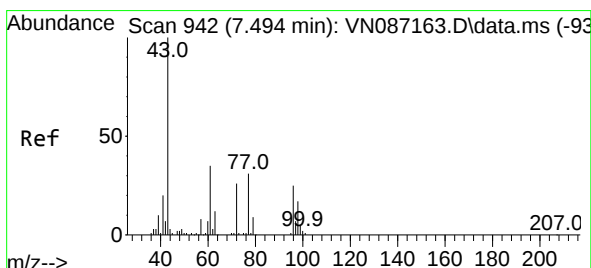
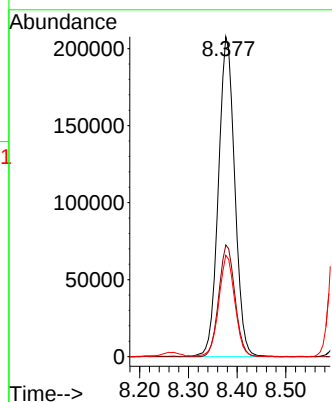
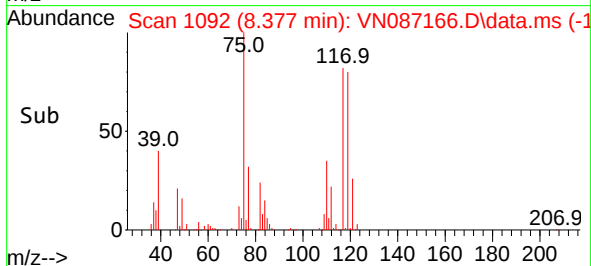
Tgt Ion: 75 Resp: 485720
Ion Ratio Lower Upper
75 100
110 34.5 0.0 69.2
77 31.3 0.0 61.8

Manual Integrations

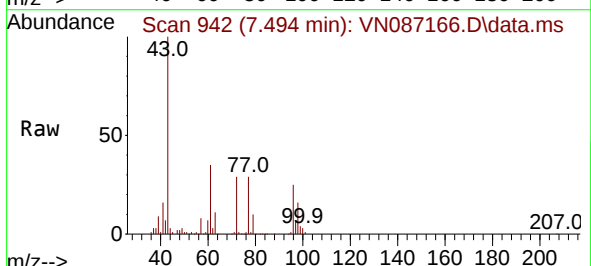
APPROVED

Reviewed By :John Carlone 06/25/2025

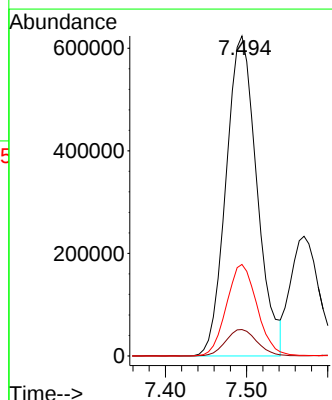
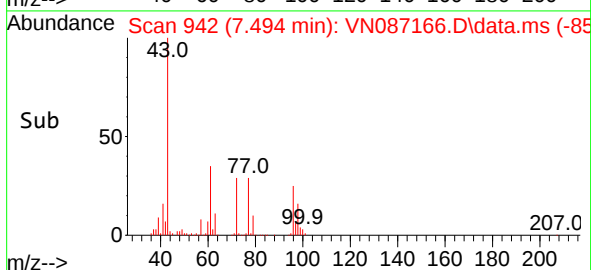
Supervised By :Mahesh Dadoda 06/26/2025



#30
2-Butanone
Concen: 1323.281 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



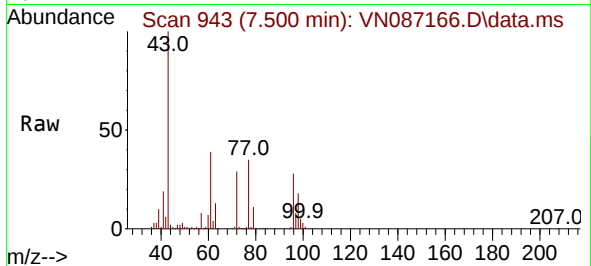
Tgt Ion: 43 Resp: 1653884
Ion Ratio Lower Upper
43 100
57 8.4 6.3 9.5
72 28.4 21.8 32.6





#31
2,2-Dichloropropane
Concen: 168.554 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

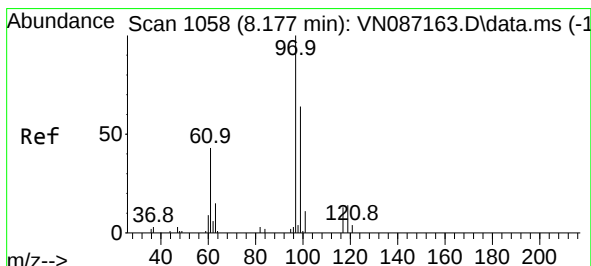
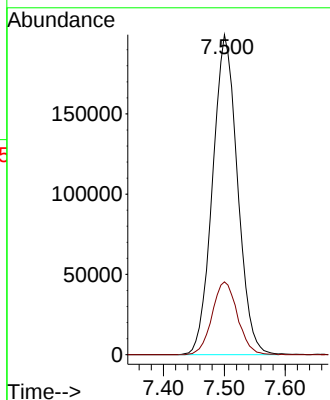
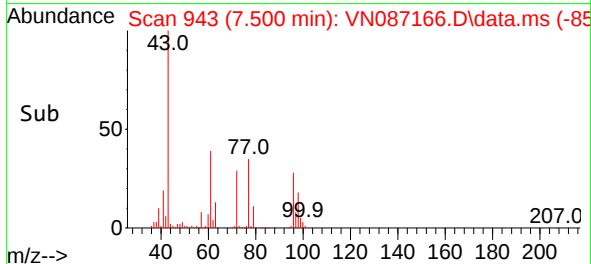
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



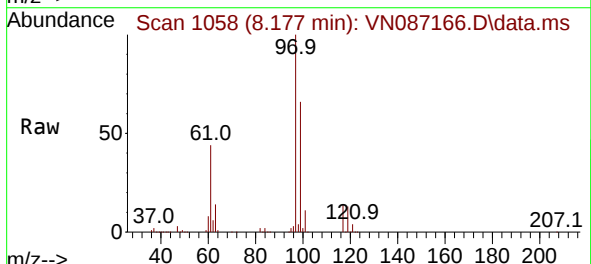
Tgt Ion: 77 Resp: 56754
Ion Ratio Lower Upper
77 100
97 23.1 18.4 27.6

Manual Integrations
APPROVED

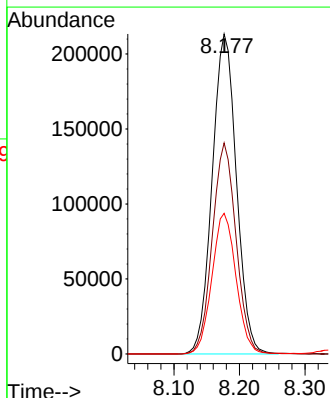
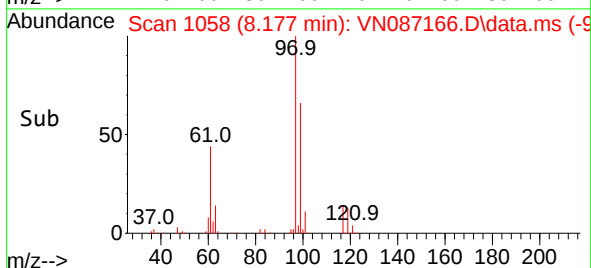
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#32
1,1,1-Trichloroethane
Concen: 165.656 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



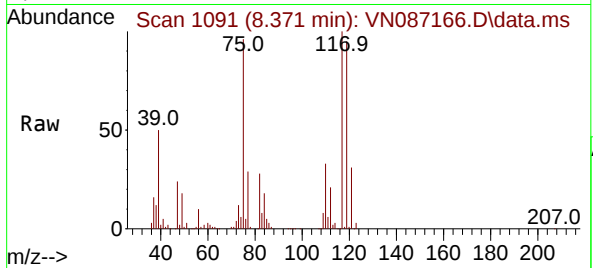
Tgt Ion: 97 Resp: 547772
Ion Ratio Lower Upper
97 100
99 64.7 50.8 76.2
61 43.7 36.1 54.1





#33
Carbon Tetrachloride
Concen: 164.834 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

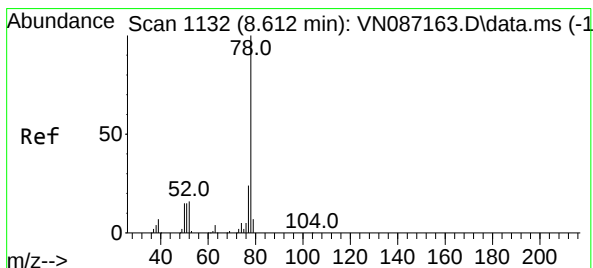
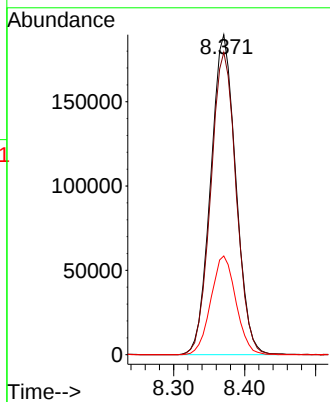
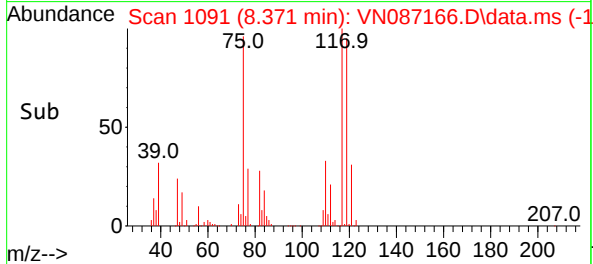
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion:117 Resp: 465910
Ion Ratio Lower Upper
117 100
119 94.5 75.8 113.6
121 30.9 26.2 39.4

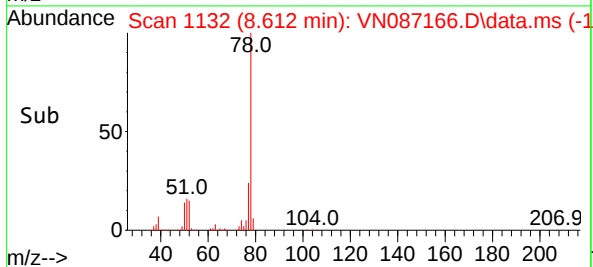
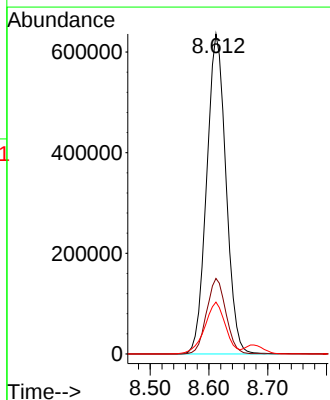
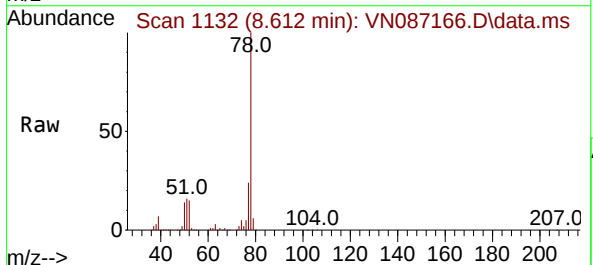
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#34
Benzene
Concen: 156.178 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

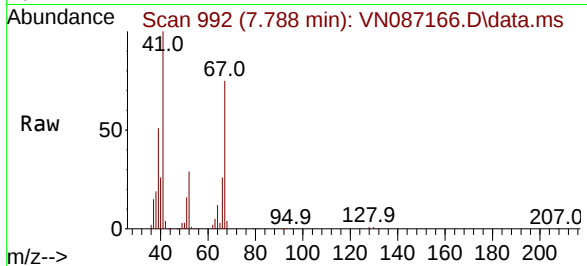
Tgt Ion: 78 Resp: 1449530
Ion Ratio Lower Upper
78 100
77 23.6 19.5 29.3
51 16.1 14.8 22.2





#35
Methacrylonitrile
Concen: 226.112 ug/l
RT: 7.788 min Scan# 992
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

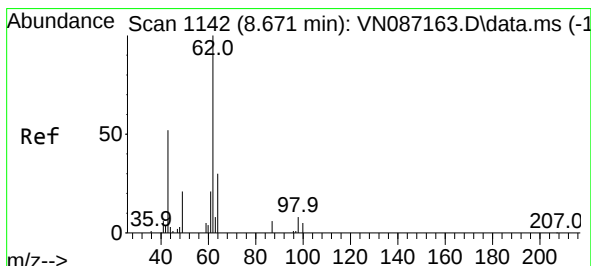
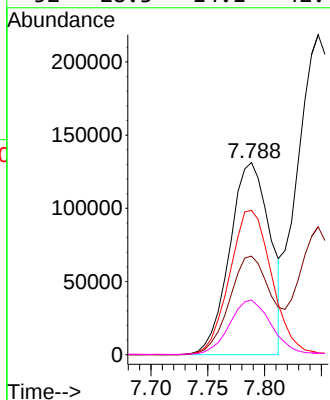
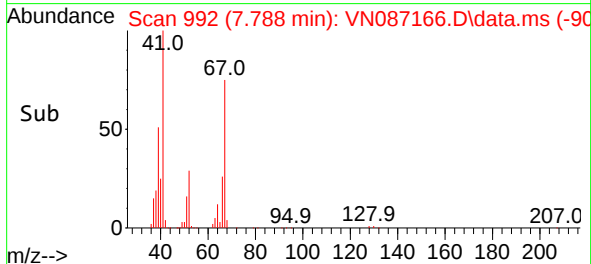
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC150



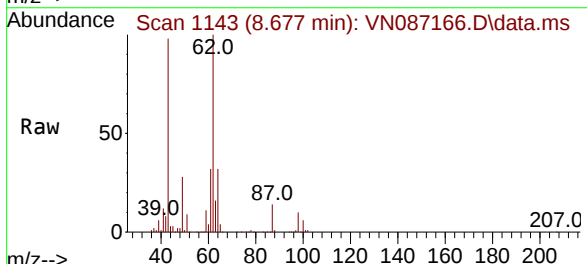
Tgt Ion: 41 Resp: 324629
Ion Ratio Lower Upper
41 100
39 51.3 24.4 73.2
67 75.2 33.3 99.8
52 28.3 14.1 42.4

Manual Integrations
APPROVED

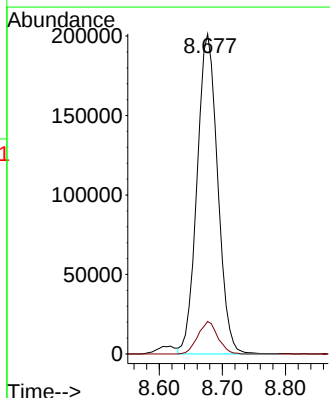
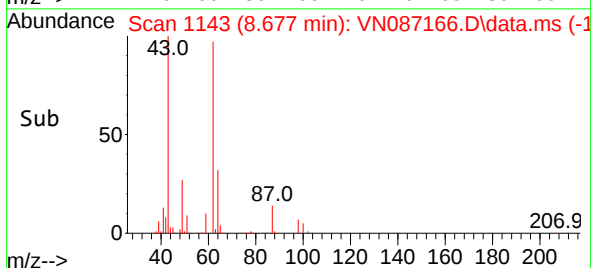
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

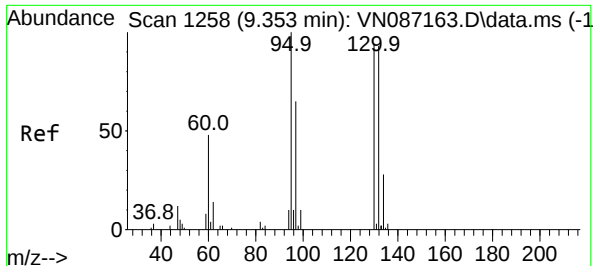


#36
1,2-Dichloroethane
Concen: 167.948 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



Tgt Ion: 62 Resp: 456777
Ion Ratio Lower Upper
62 100
98 9.8 7.2 10.8





#37

Trichloroethene

Concen: 133.684 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.006 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion:130 Resp: 344162

Ion Ratio Lower Upper

130 100

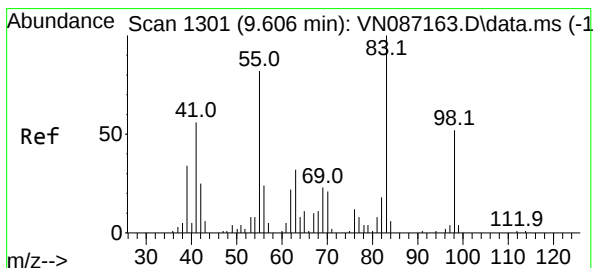
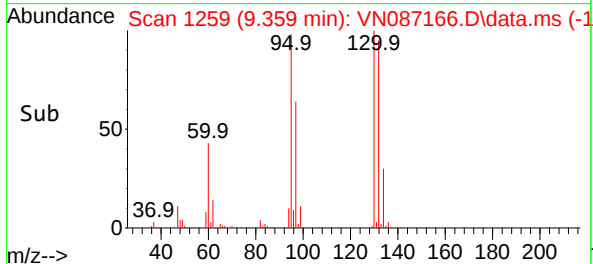
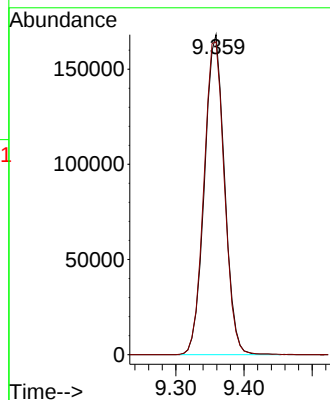
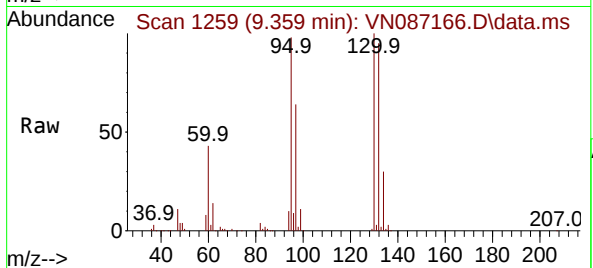
95 97.7 85.3 127.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#38

Methylcyclohexane

Concen: 178.256 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

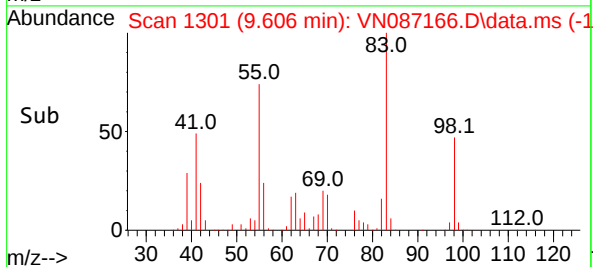
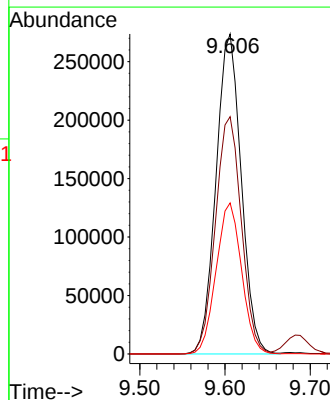
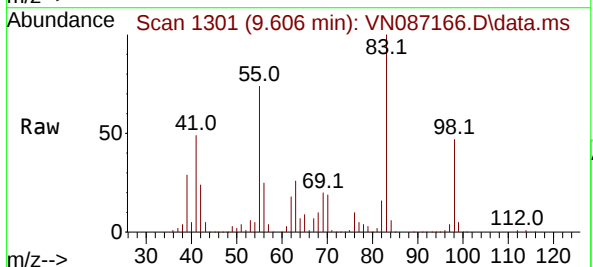
Tgt Ion: 83 Resp: 564171

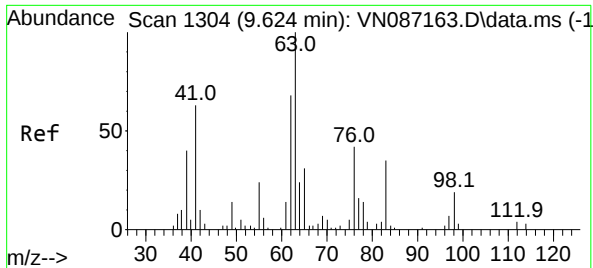
Ion Ratio Lower Upper

83 100

55 76.0 40.1 120.2

98 47.6 24.4 73.2





#39

1,2-Dichloropropane

Concen: 165.854 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 37059

Ion Ratio Lower Upper

63 100

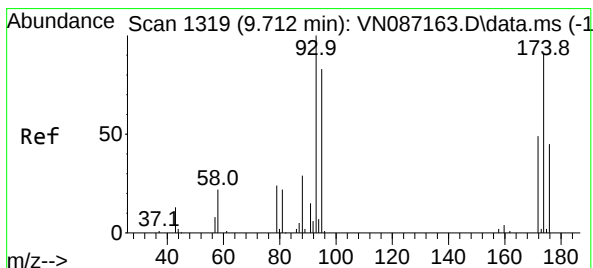
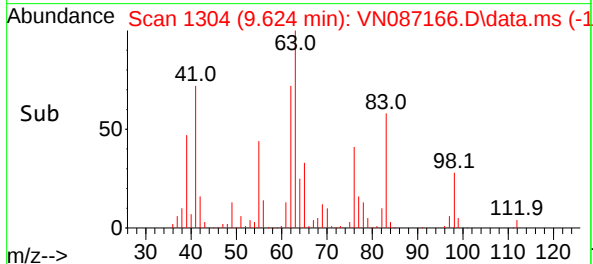
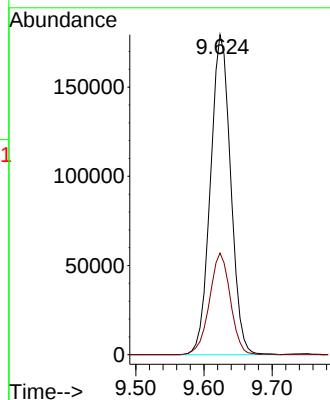
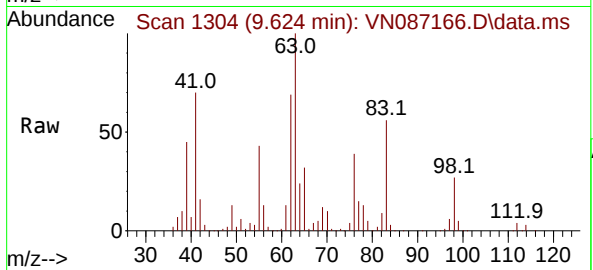
65 31.8 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#40

Dibromomethane

Concen: 170.265 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

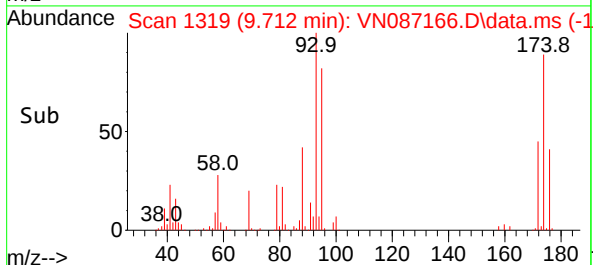
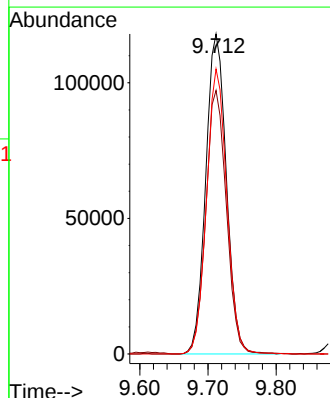
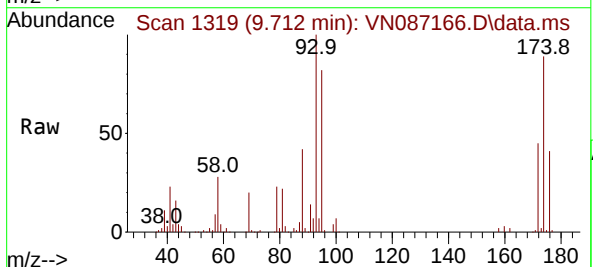
Tgt Ion: 93 Resp: 248835

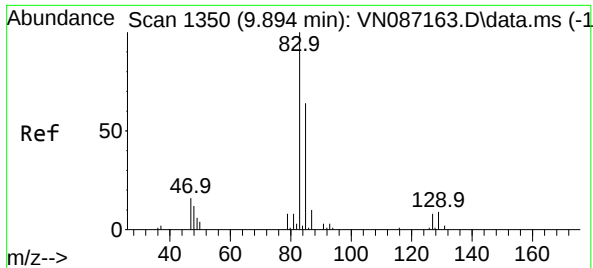
Ion Ratio Lower Upper

93 100

95 81.9 0.0 170.8

174 87.8 0.0 176.6





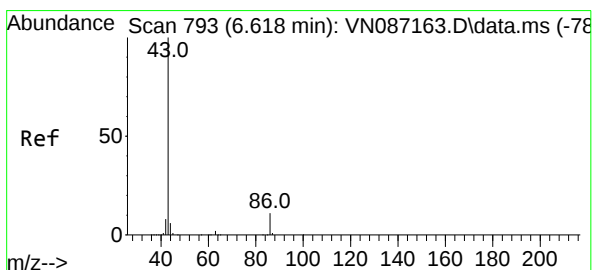
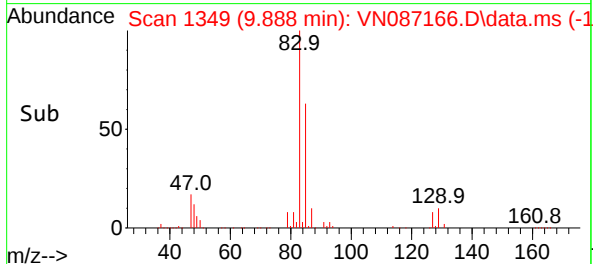
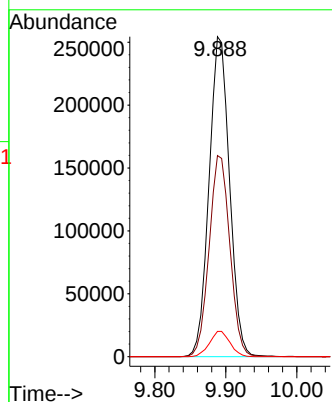
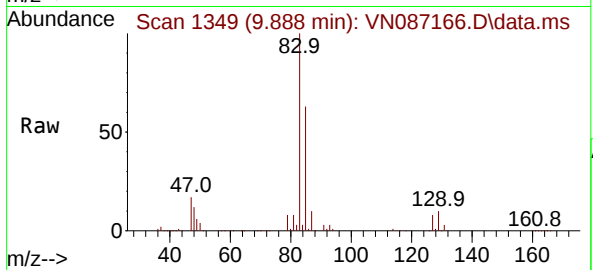
#41
Bromodichloromethane
Concen: 166.539 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 50947
Ion Ratio Lower Upper
83 100
85 62.8 51.4 77.2
127 7.9 6.1 9.1

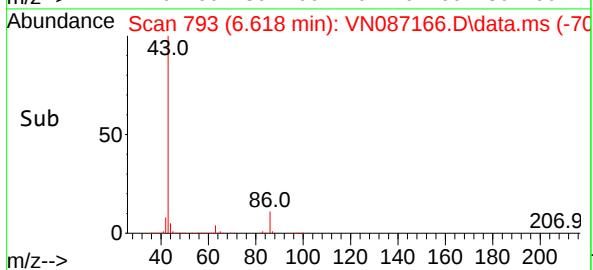
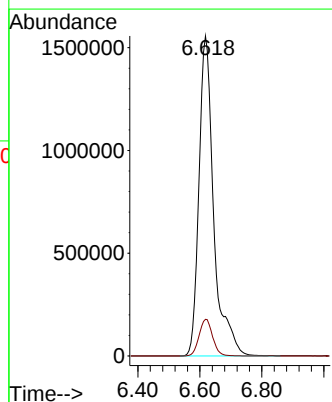
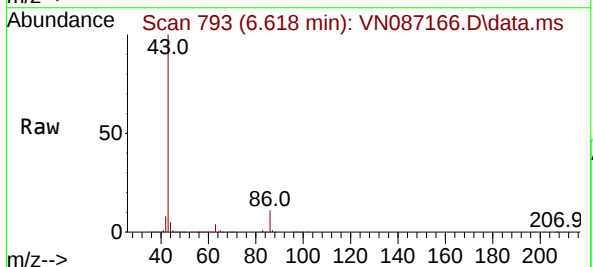
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#42
Vinyl Acetate
Concen: 1414.217 ug/l
RT: 6.618 min Scan# 793
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

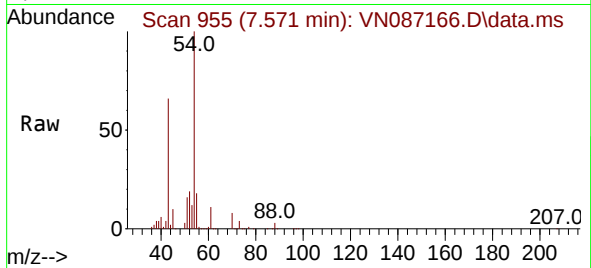
Tgt Ion: 43 Resp: 5152202
Ion Ratio Lower Upper
43 100
86 10.5 7.7 11.5





#43
Ethyl Acetate
Concen: 233.358 ug/l
RT: 7.571 min Scan# 911
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

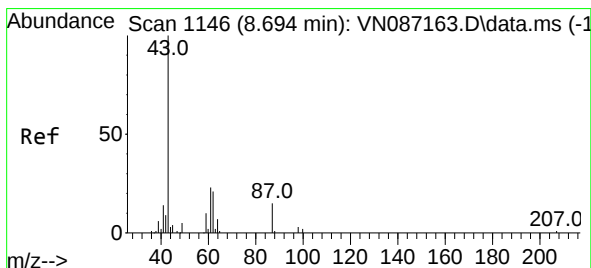
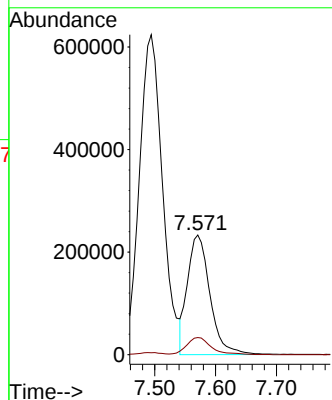
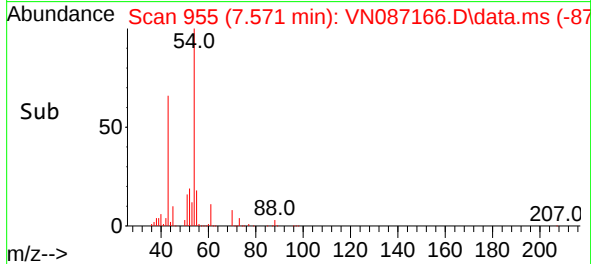
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 43 Resp: 596809
Ion Ratio Lower Upper
43 100
45 15.7 11.5 17.3

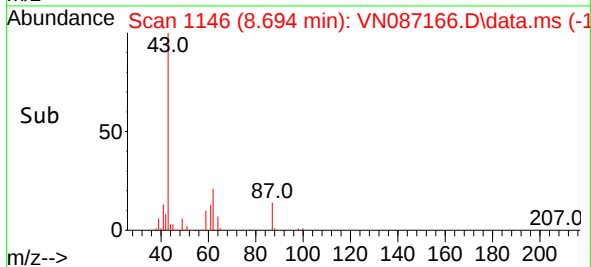
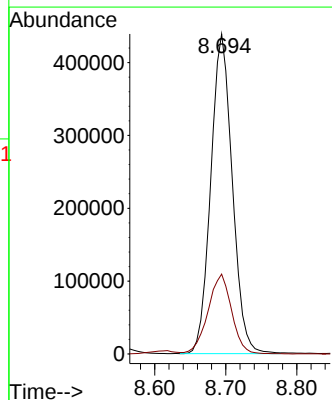
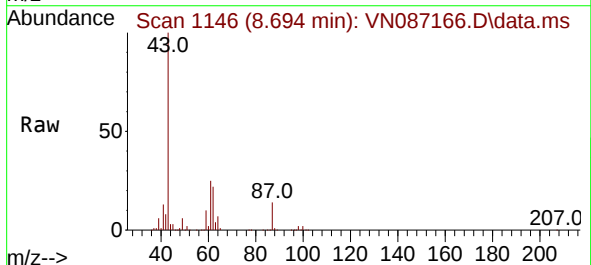
Manual Integrations
APPROVED

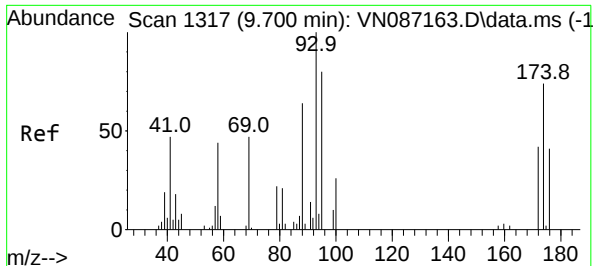
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#44
Isopropyl Acetate
Concen: 210.380 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

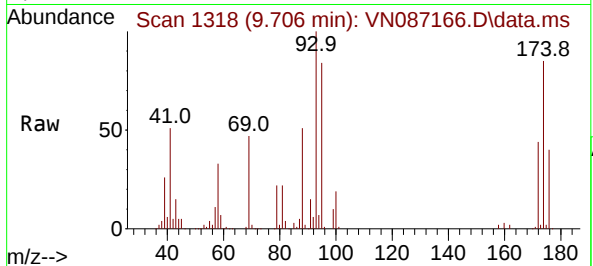
Tgt Ion: 43 Resp: 922972
Ion Ratio Lower Upper
43 100
61 27.5 20.5 30.7





#45
1,4-Dioxane
Concen: 3492.194 ug/l
RT: 9.706 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

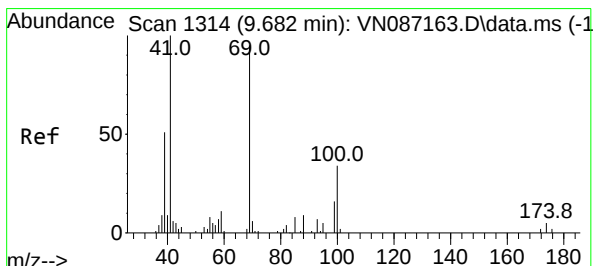
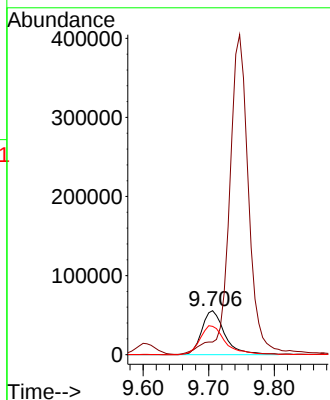
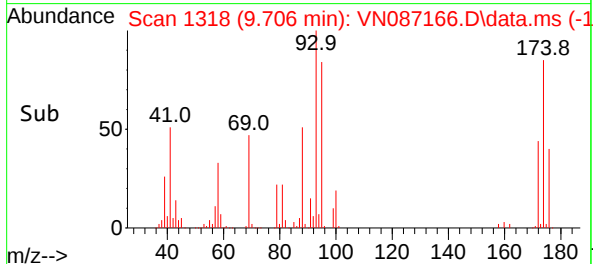
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



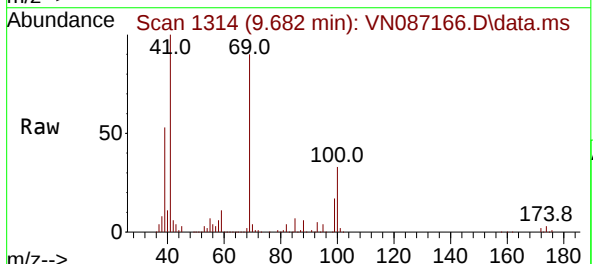
Tgt Ion: 88 Resp: 136174
Ion Ratio Lower Upper
88 100
43 20.7 21.3 31.9
58 72.1 61.7 92.5

Manual Integrations
APPROVED

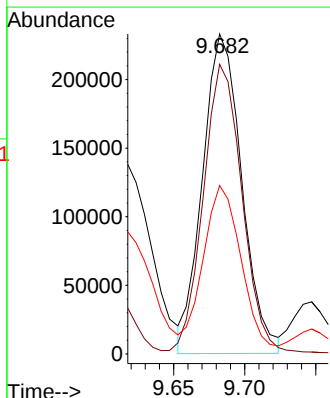
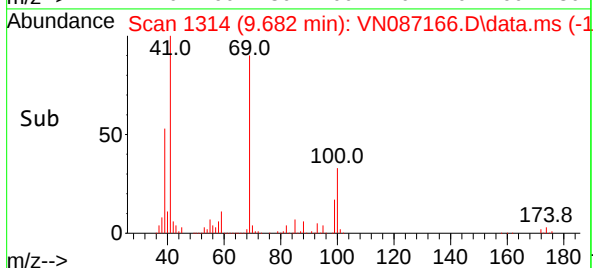
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

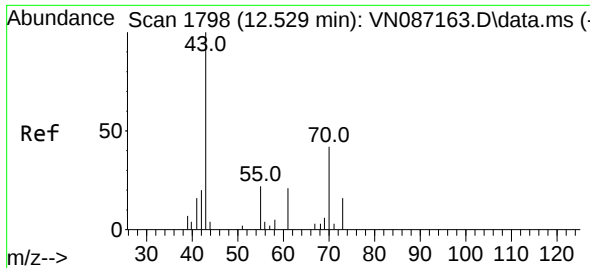


#46
Methyl methacrylate
Concen: 221.464 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



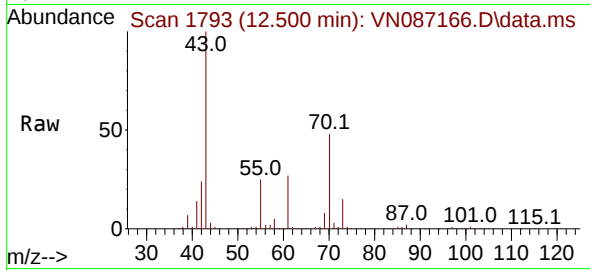
Tgt Ion: 41 Resp: 448002
Ion Ratio Lower Upper
41 100
69 93.3 45.6 136.9
39 52.9 26.2 78.5





#47
n-amy1 Acetate
Concen: 180.347 ug/l
RT: 12.500 min Scan# 1798
Delta R.T. -0.029 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

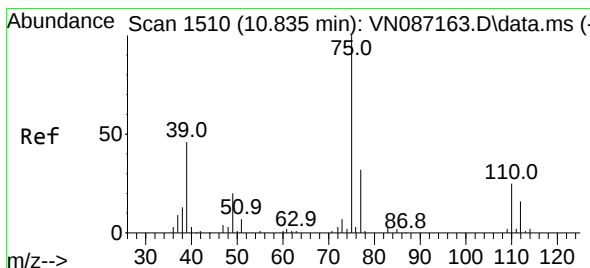
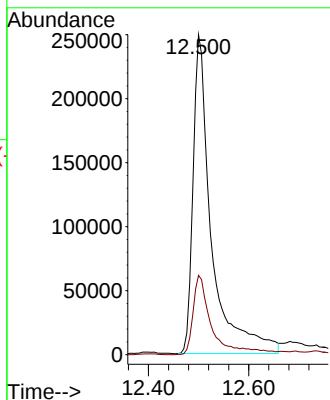
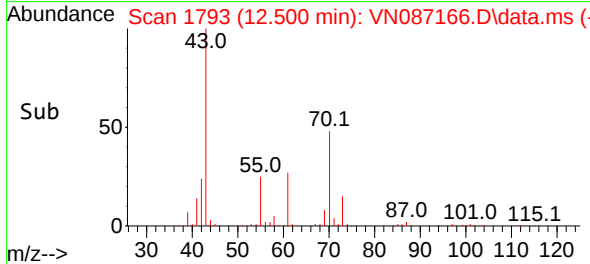
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 63519
Ion Ratio Lower Upper
43 100
55 22.9 0.0 0.0

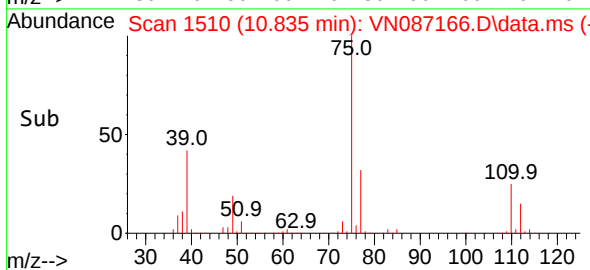
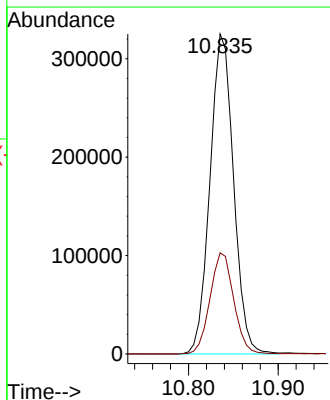
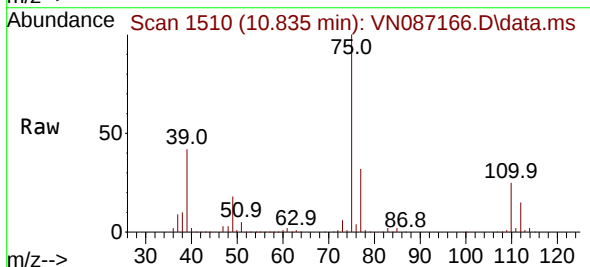
Manual Integrations
APPROVED

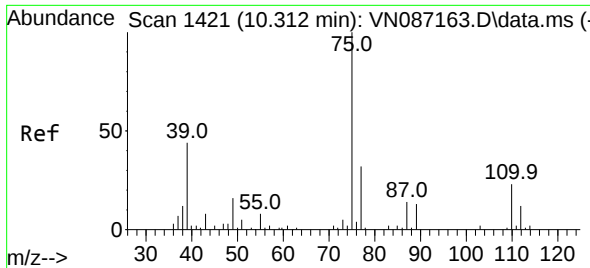
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#48
t-1,3-Dichloropropene
Concen: 181.231 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

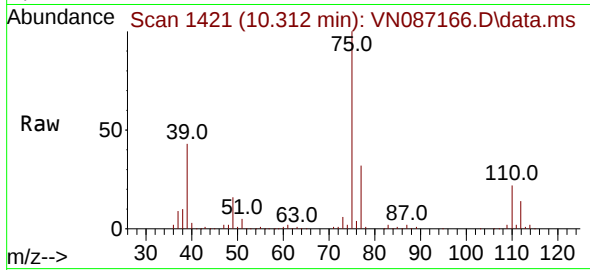
Tgt Ion: 75 Resp: 593288
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0





#49
 cis-1,3-Dichloropropene
 Concen: 174.914 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. -0.000 min
 Lab File: VN087166.D
 Acq: 25 Jun 2025 10:24

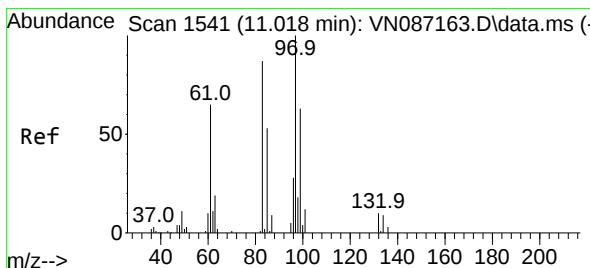
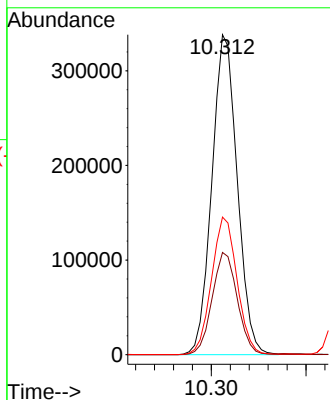
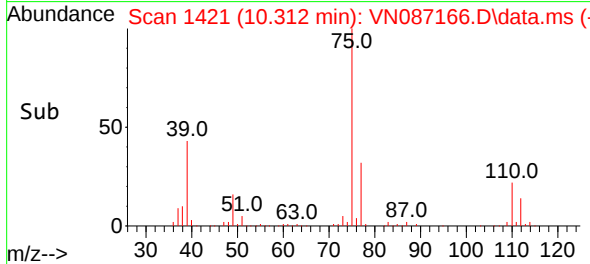
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150



Tgt Ion: 75 Resp: 629822
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2
 39 42.9 35.3 52.9

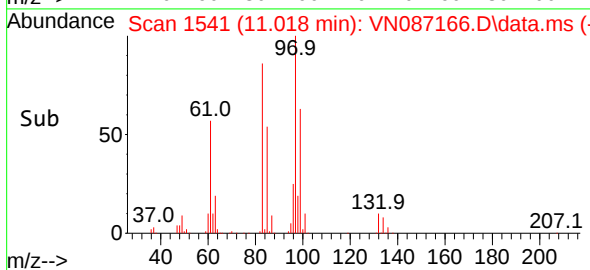
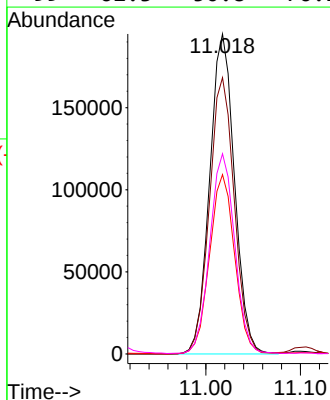
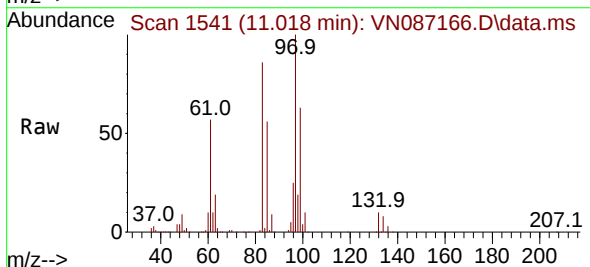
Manual Integrations
 APPROVED

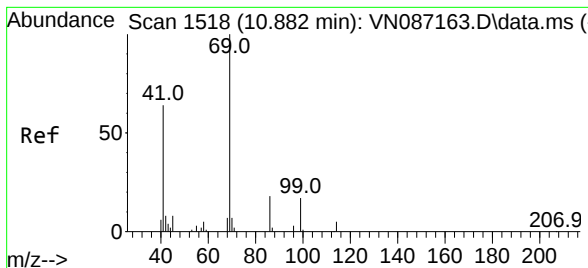
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#50
 1,1,2-Trichloroethane
 Concen: 172.532 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. -0.000 min
 Lab File: VN087166.D
 Acq: 25 Jun 2025 10:24

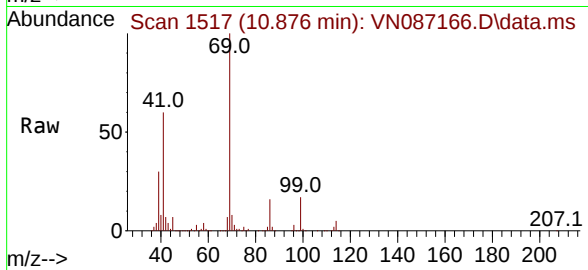
Tgt Ion: 97 Resp: 355131
 Ion Ratio Lower Upper
 97 100
 83 86.2 69.6 104.4
 85 55.9 42.0 63.0
 99 62.3 50.8 76.2





#51
Ethyl methacrylate
Concen: 189.307 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

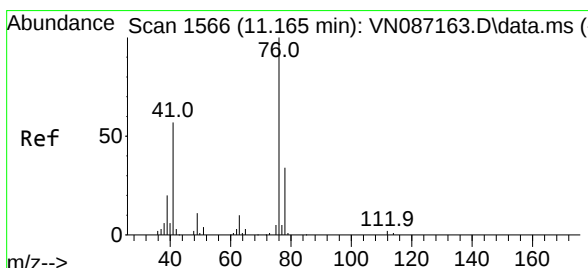
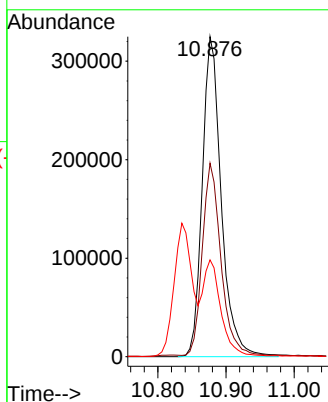
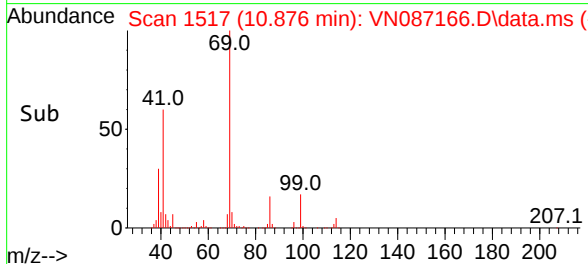
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 69 Resp: 631073
Ion Ratio Lower Upper
69 100
41 60.0 31.8 95.3
39 29.9 15.3 45.8

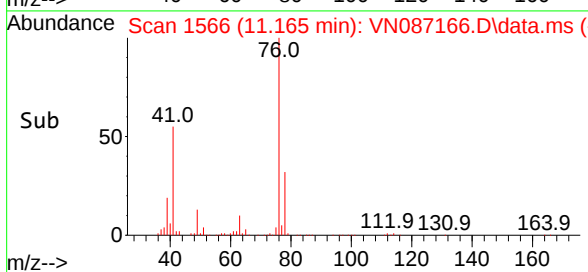
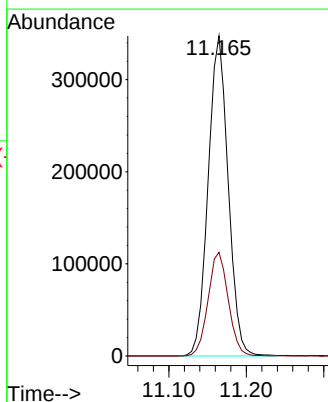
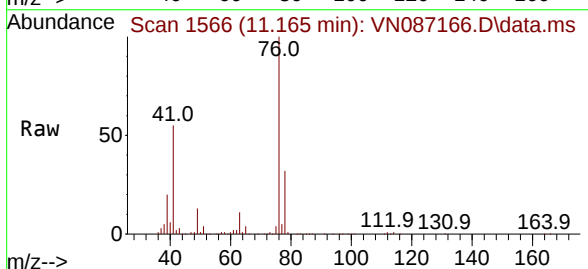
Manual Integrations
APPROVED

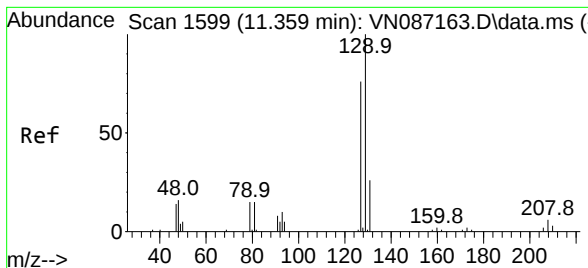
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#52
1,3-Dichloropropane
Concen: 170.477 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

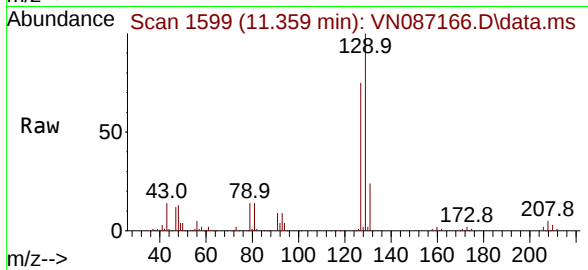
Tgt Ion: 76 Resp: 622735
Ion Ratio Lower Upper
76 100
78 32.7 0.0 63.0





#53
Dibromochloromethane
Concen: 168.990 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

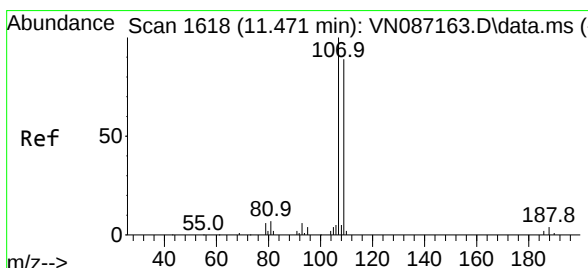
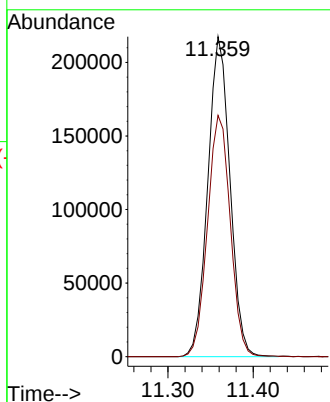
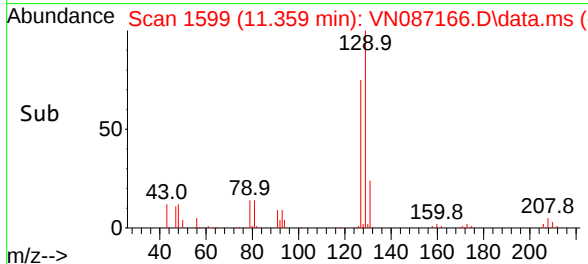
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



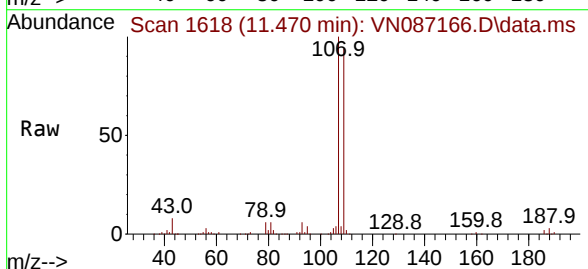
Tgt Ion:129 Resp: 393072
Ion Ratio Lower Upper
129 100
127 77.4 39.6 118.8

Manual Integrations
APPROVED

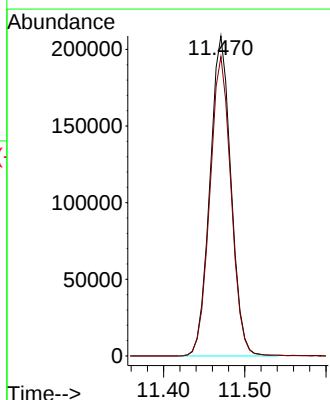
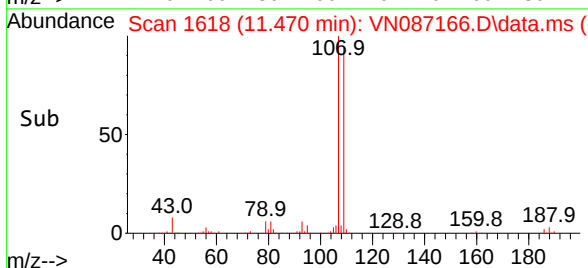
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

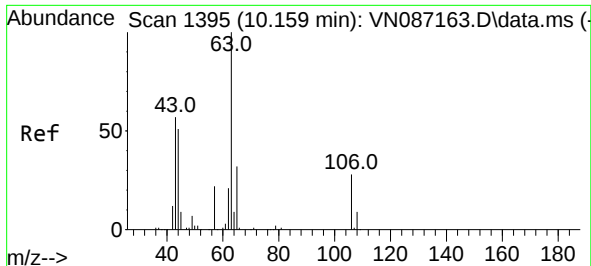


#54
1,2-Dibromoethane
Concen: 179.142 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



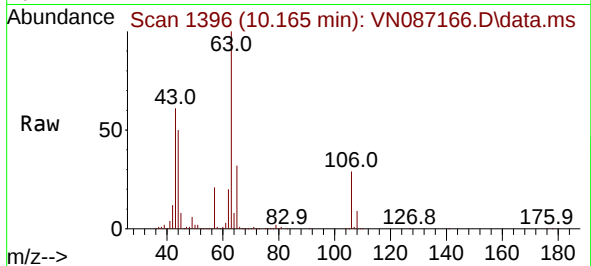
Tgt Ion:107 Resp: 376916
Ion Ratio Lower Upper
107 100
109 93.7 73.5 110.3





#55
2-Chloroethyl vinyl ether
Concen: 1046.520 ug/l
RT: 10.165 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

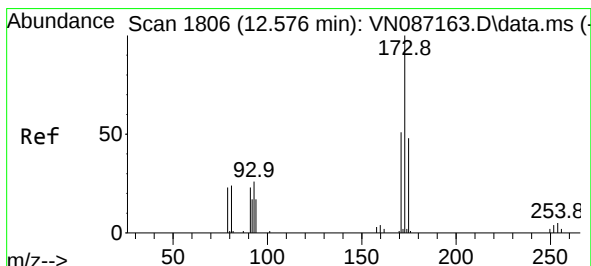
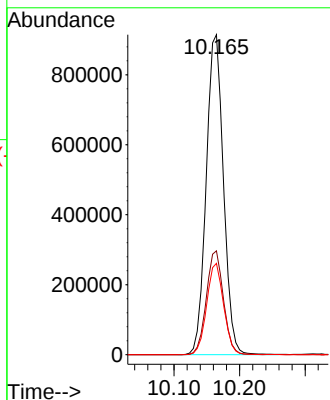
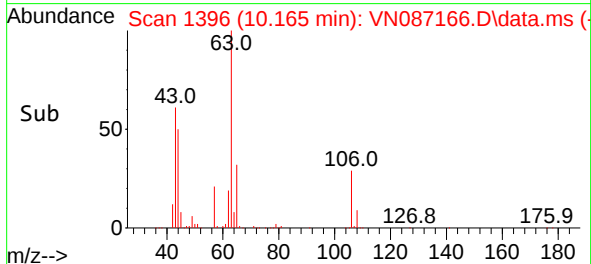
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 63 Resp: 167460
Ion Ratio Lower Upper
63 100
65 32.1 25.6 38.4
106 28.0 21.9 32.9

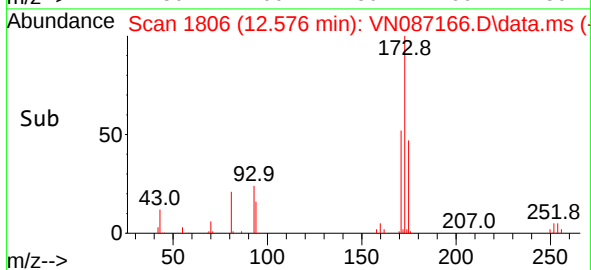
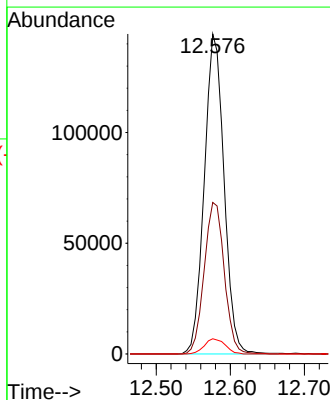
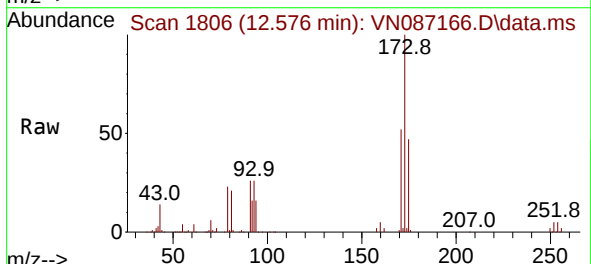
Manual Integrations
APPROVED

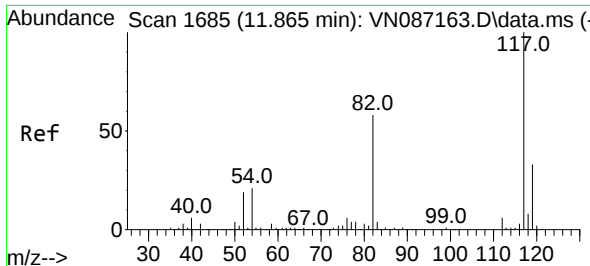
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#56
Bromoform
Concen: 182.430 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Tgt Ion:173 Resp: 267364
Ion Ratio Lower Upper
173 100
175 48.1 38.7 58.1
254 5.0 4.2 6.4





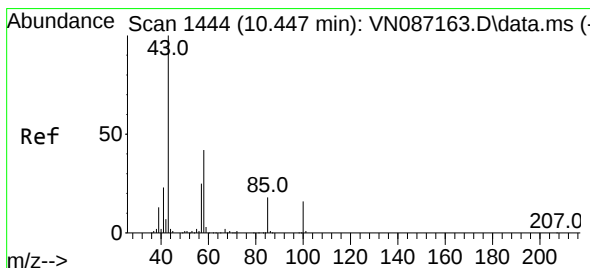
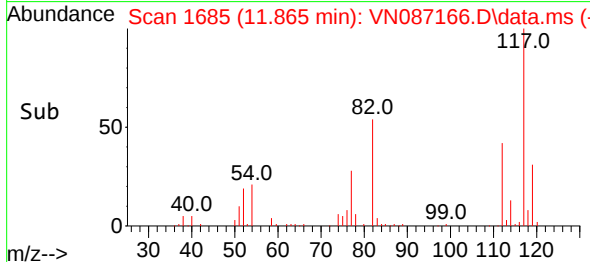
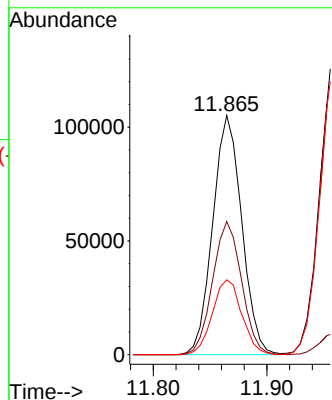
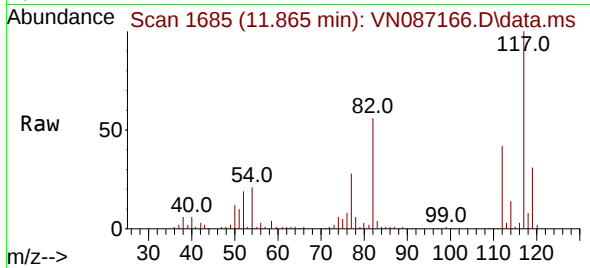
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 117 Resp: 186774
Ion Ratio Lower Upper
117 100
82 55.6 45.4 68.2
119 31.7 26.2 39.4

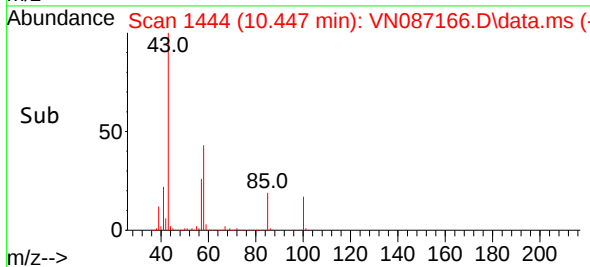
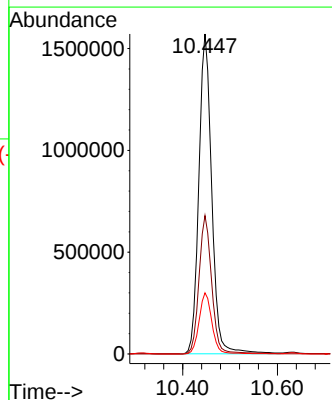
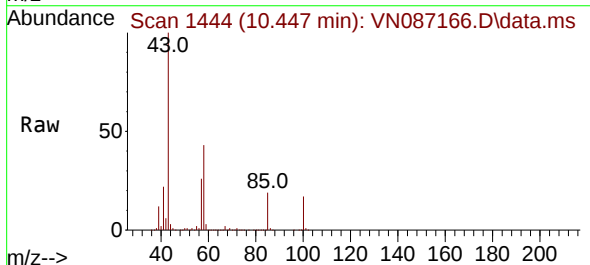
Manual Integrations
APPROVED

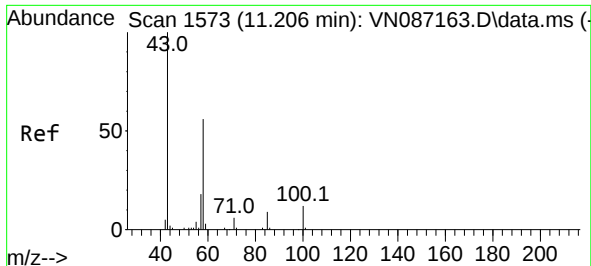
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#58
4-Methyl-2-Pentanone
Concen: 1084.631 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

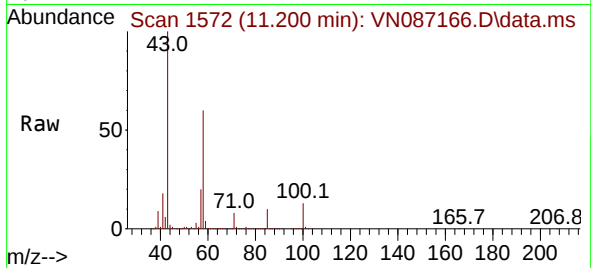
Tgt Ion: 43 Resp: 2972532
Ion Ratio Lower Upper
43 100
58 42.8 32.6 49.0
85 19.0 14.6 22.0





#59
2-Hexanone
Concen: 1075.545 ug/l
RT: 11.200 min Scan# 111404
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

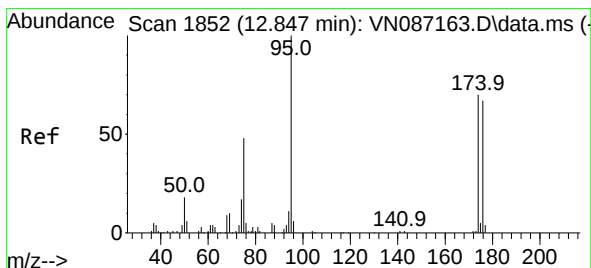
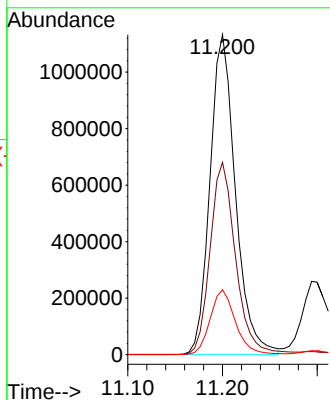
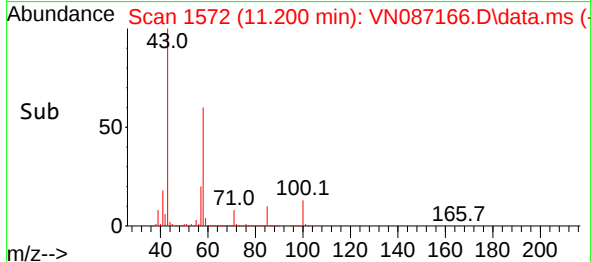
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



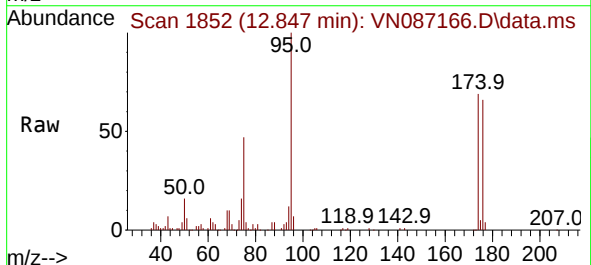
Tgt Ion: 43 Resp: 2111404
Ion Ratio Lower Upper
43 100
58 60.3 49.2 73.8
57 20.2 15.3 22.9

Manual Integrations
APPROVED

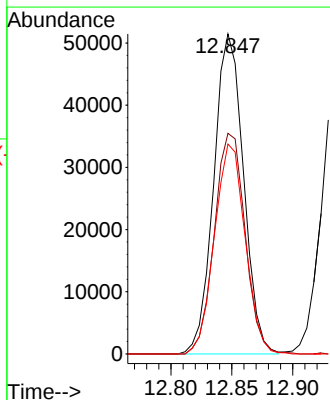
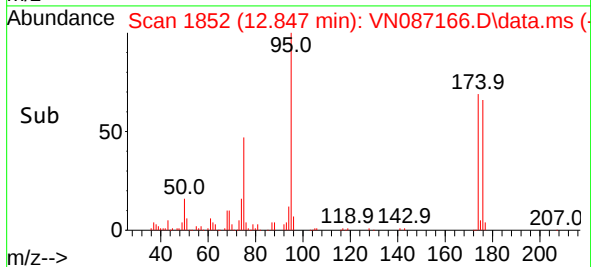
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

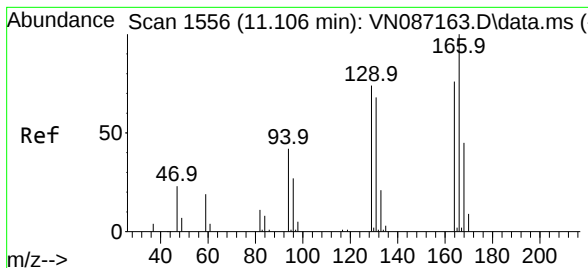


#60
4-Bromofluorobenzene
Concen: 29.816 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



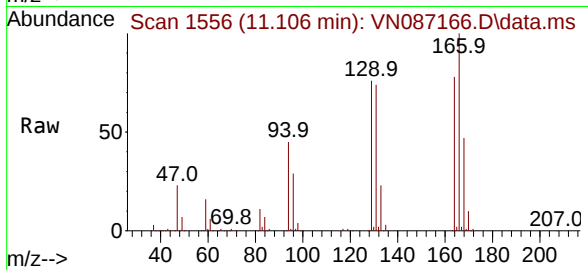
Tgt Ion: 95 Resp: 87432
Ion Ratio Lower Upper
95 100
174 71.2 54.5 81.7
176 67.7 51.9 77.9





#61
Tetrachloroethene
Concen: 89.636 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

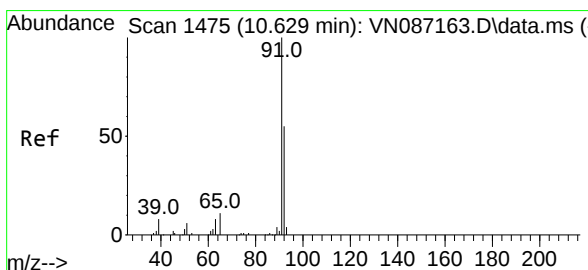
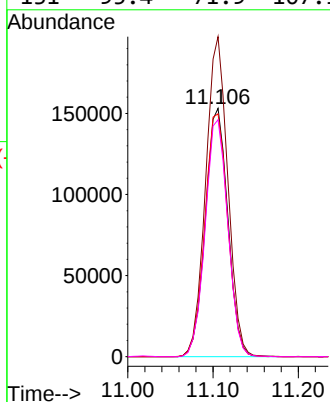
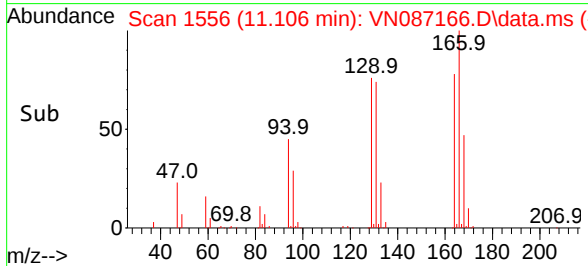
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion:164 Resp: 281420
Ion Ratio Lower Upper
164 100
166 128.9 105.4 158.2
129 97.8 77.9 116.9
131 95.4 71.9 107.9

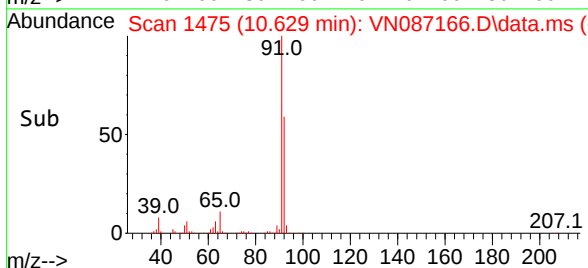
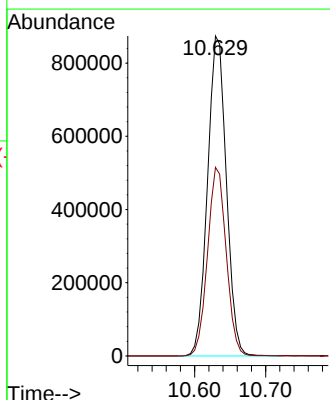
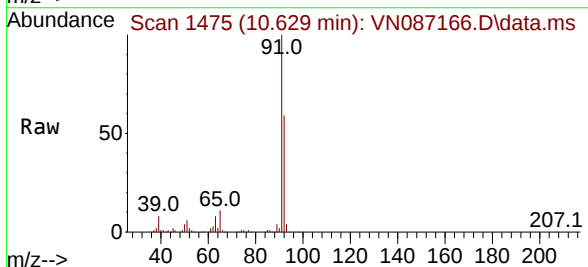
Manual Integrations
APPROVED

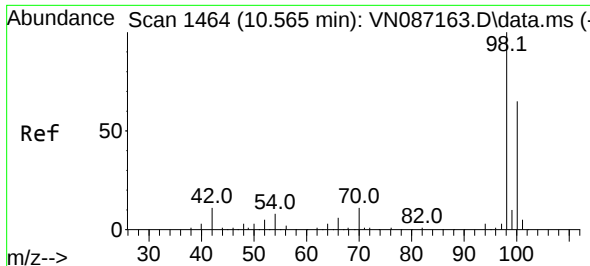
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#62
Toluene
Concen: 152.743 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Tgt Ion: 91 Resp: 1606715
Ion Ratio Lower Upper
91 100
92 58.6 45.8 68.8





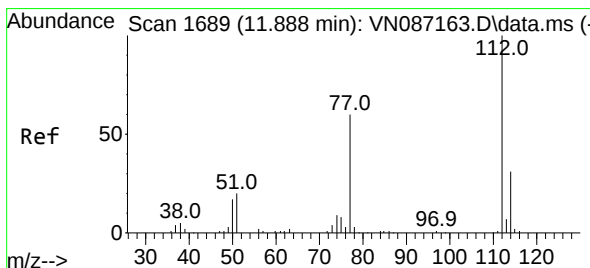
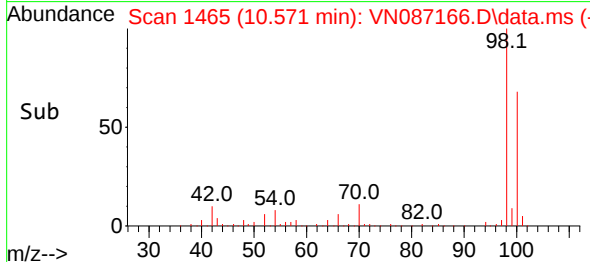
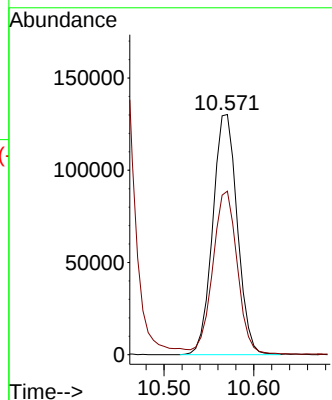
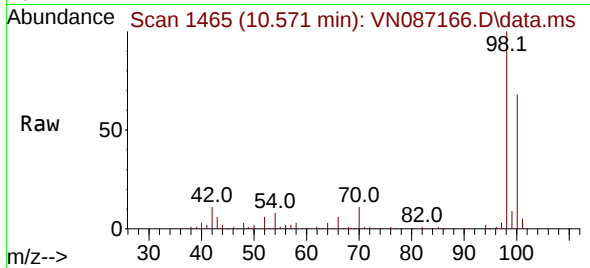
#63
Toluene-d8
Concen: 28.859 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 98 Resp: 247397
Ion Ratio Lower Upper
98 100
100 67.5 52.5 78.7

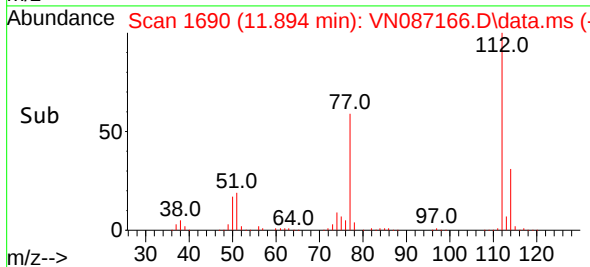
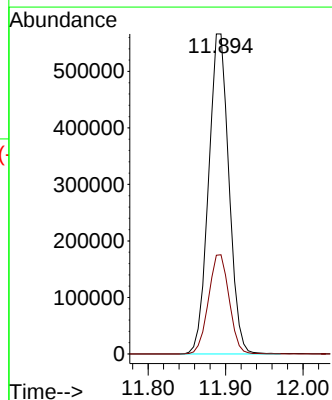
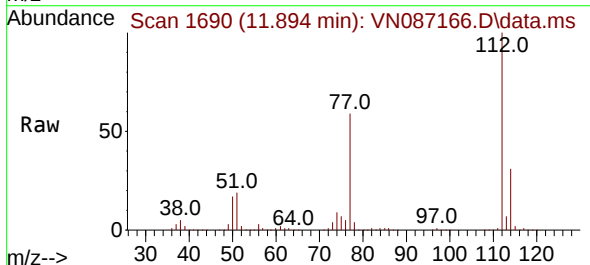
Manual Integrations
APPROVED

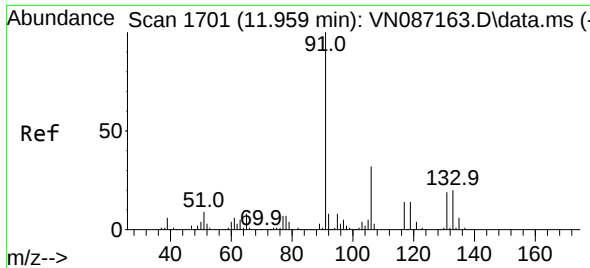
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#64
Chlorobenzene
Concen: 153.939 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Tgt Ion:112 Resp: 1032685
Ion Ratio Lower Upper
112 100
114 31.0 25.0 37.4





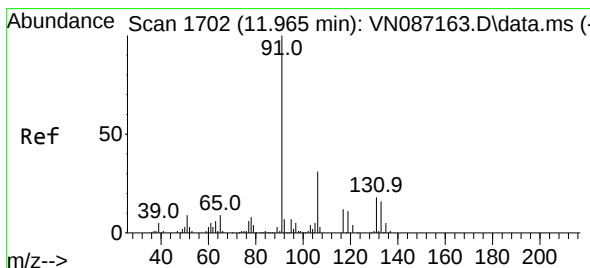
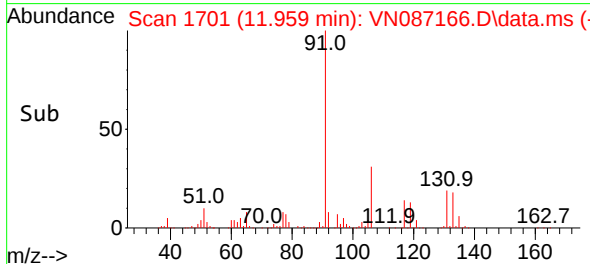
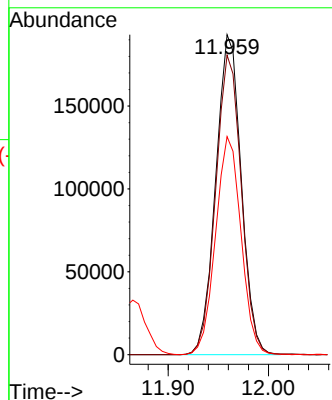
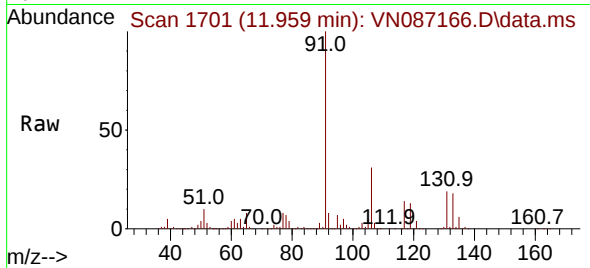
#65
1,1,1,2-Tetrachloroethane
Concen: 154.659 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:131 Resp: 34084
Ion Ratio Lower Upper
131 100
133 94.0 0.0 187.8
119 68.2 0.0 140.0

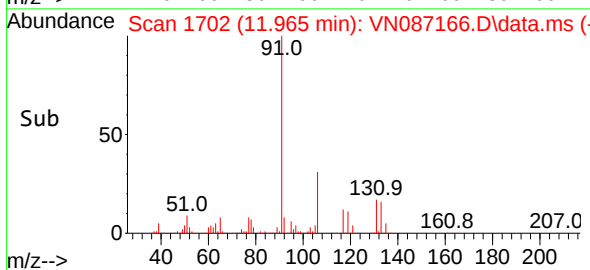
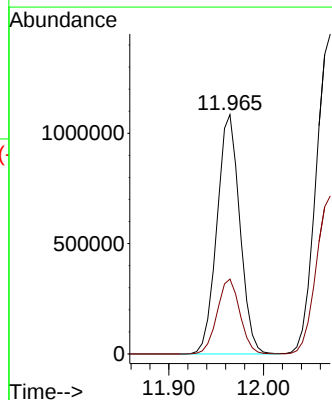
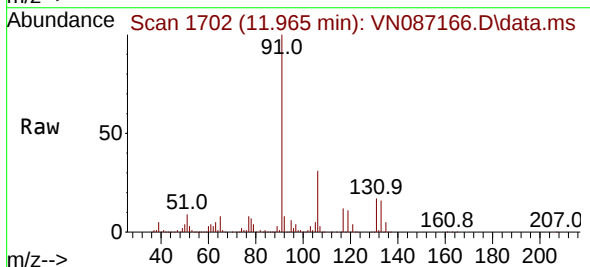
Manual Integrations
APPROVED

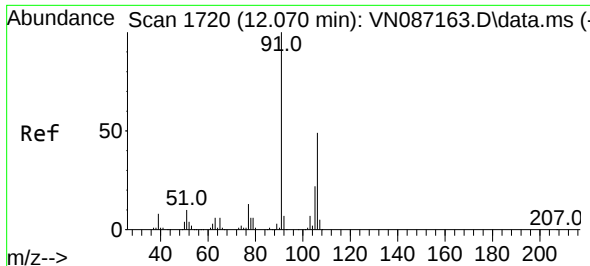
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#66
Ethyl Benzene
Concen: 160.178 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

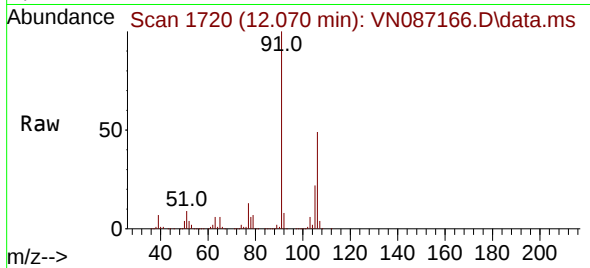
Tgt Ion: 91 Resp: 1822466
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2





#67
m/p-Xylenes
Concen: 312.329 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

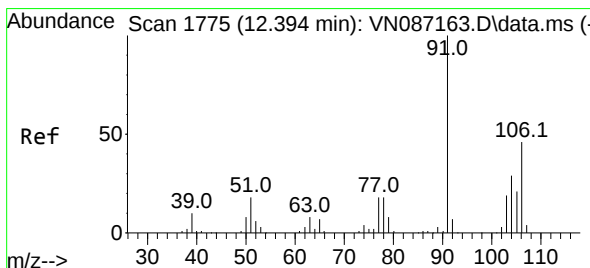
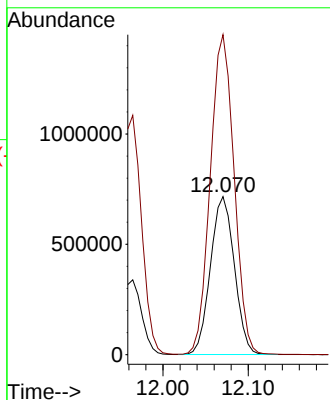
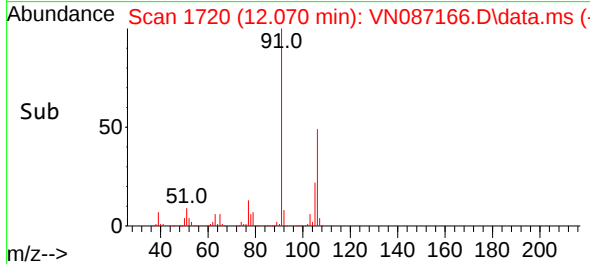
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



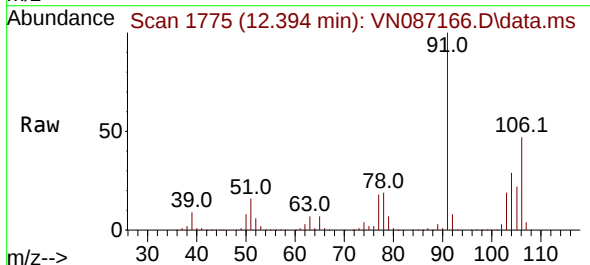
Tgt Ion:106 Resp: 139448
Ion Ratio Lower Upper
106 100
91 202.6 163.0 244.4

Manual Integrations
APPROVED

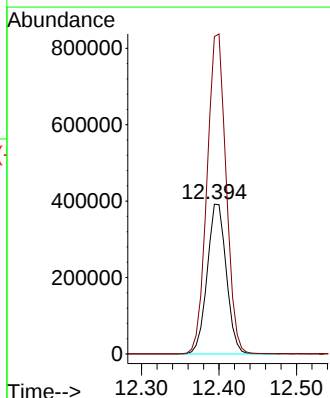
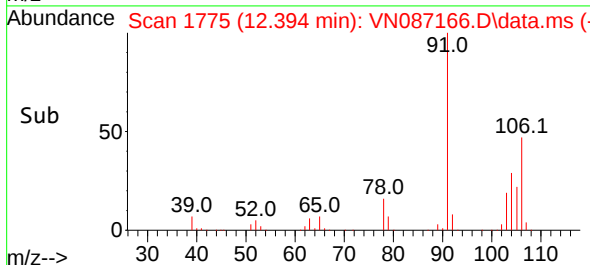
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

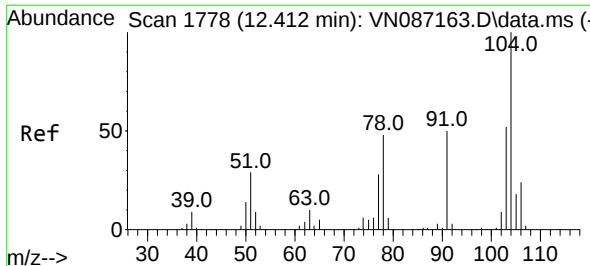


#68
o-Xylene
Concen: 155.436 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



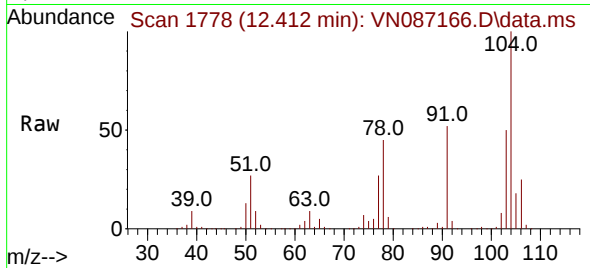
Tgt Ion:106 Resp: 672570
Ion Ratio Lower Upper
106 100
91 213.1 107.1 321.1





#69
Styrene
Concen: 160.846 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

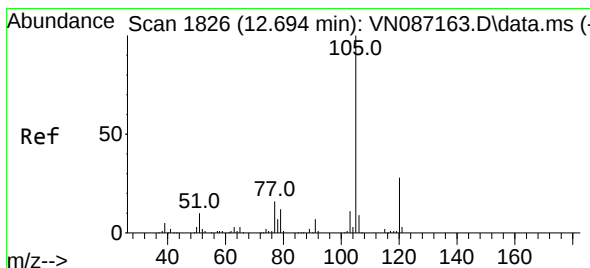
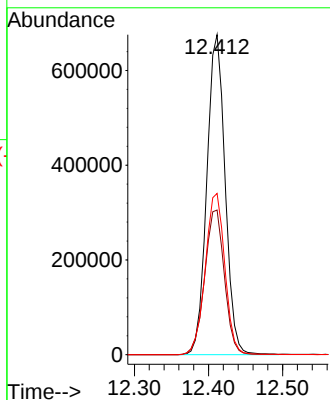
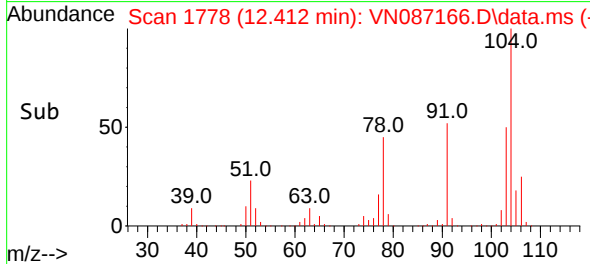
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



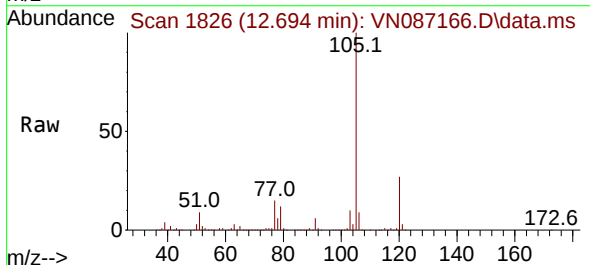
Tgt Ion:104 Resp: 115953
Ion Ratio Lower Upper
104 100
78 48.9 39.8 59.8
103 54.0 44.2 66.4

Manual Integrations
APPROVED

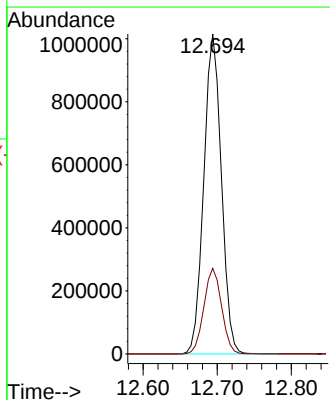
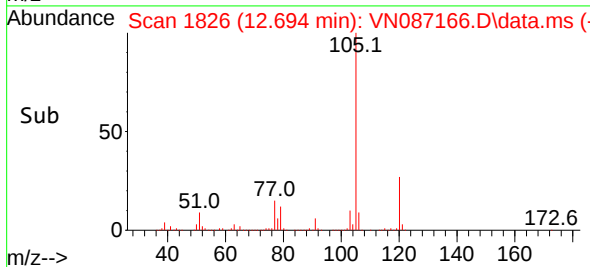
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

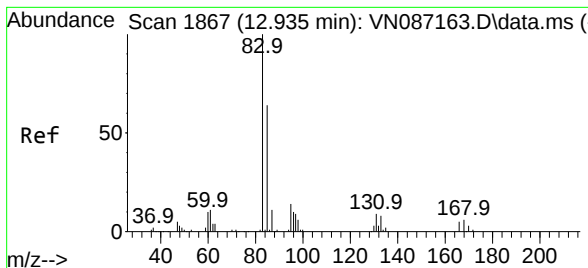


#70
Isopropylbenzene
Concen: 162.251 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



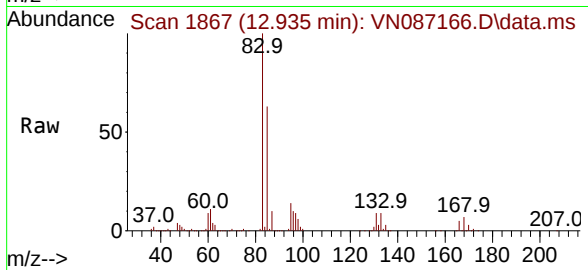
Tgt Ion:105 Resp: 1669808
Ion Ratio Lower Upper
105 100
120 26.9 19.0 35.2





#71
1,1,2,2-Tetrachloroethane
Concen: 231.867 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

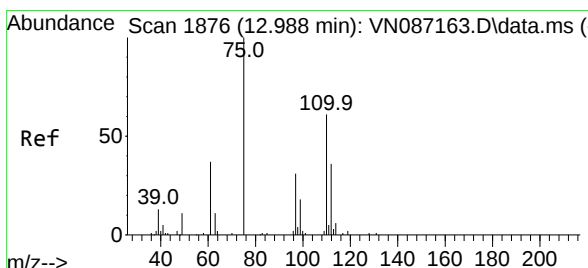
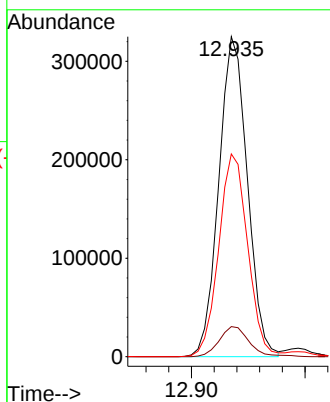
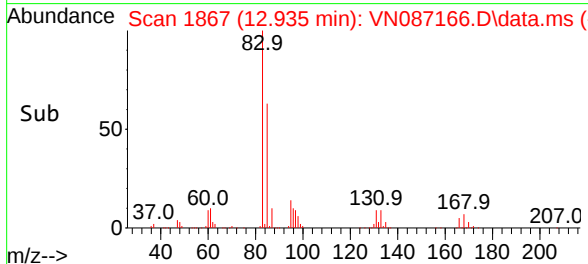
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



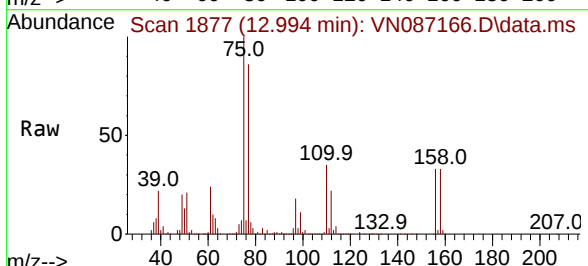
Tgt Ion: 83 Resp: 56734
Ion Ratio Lower Upper
83 100
131 9.8 4.5 13.4
85 64.4 31.3 93.9

Manual Integrations
APPROVED

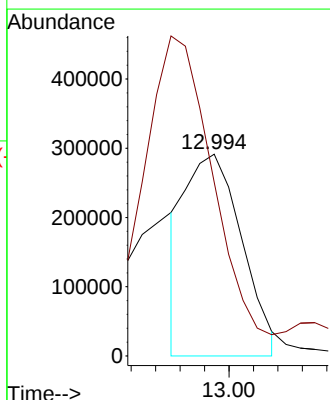
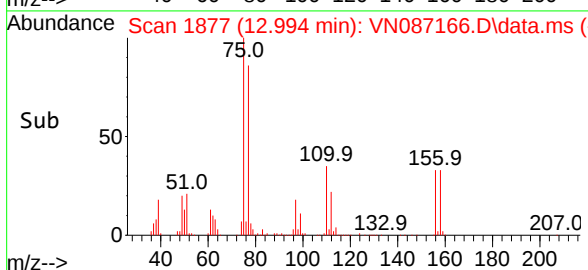
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

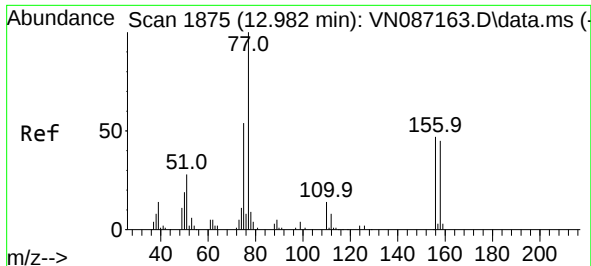


#72
1,2,3-Trichloropropane
Concen: 164.456 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



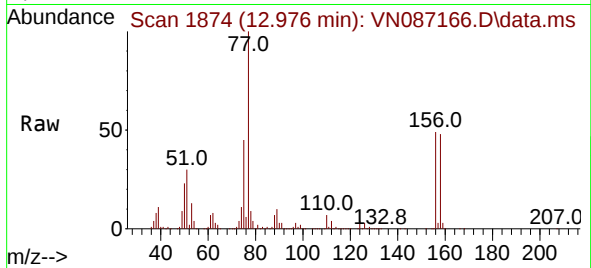
Tgt Ion: 75 Resp: 471614
Ion Ratio Lower Upper
75 100
77 199.8 0.0 379.2





#73
Bromobenzene
Concen: 155.892 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

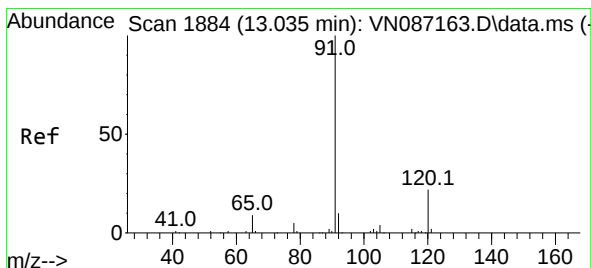
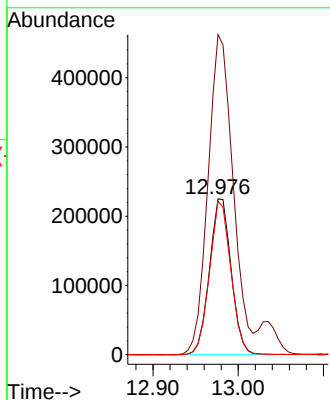
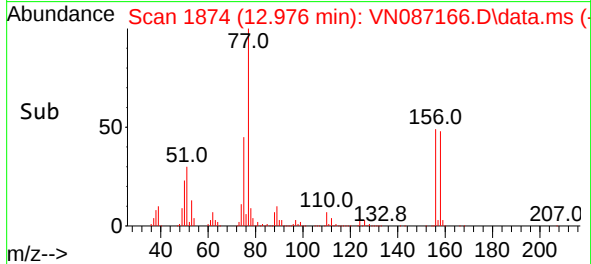
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion:156 Resp: 398769
Ion Ratio Lower Upper
156 100
77 236.3 0.0 489.0
158 96.6 0.0 195.2

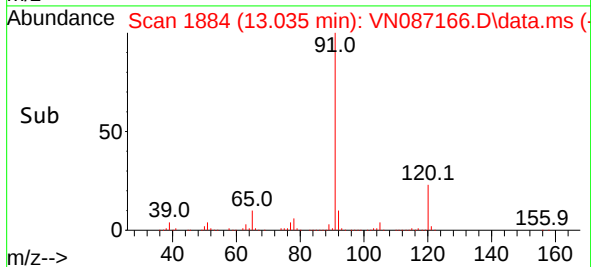
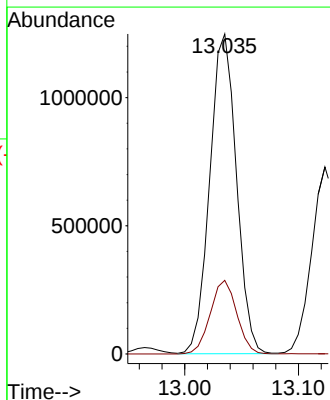
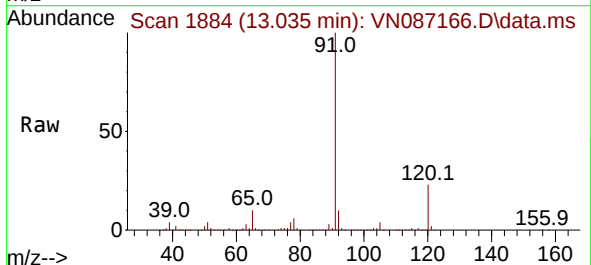
Manual Integrations
APPROVED

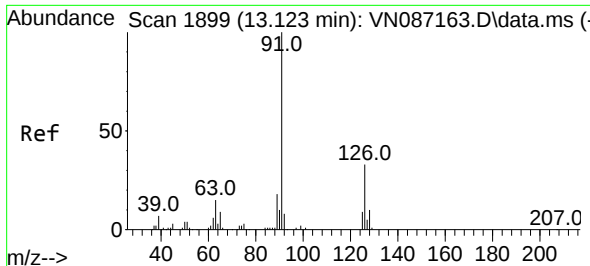
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#74
n-propylbenzene
Concen: 167.094 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Tgt Ion: 91 Resp: 2036919
Ion Ratio Lower Upper
91 100
120 22.8 0.0 43.6





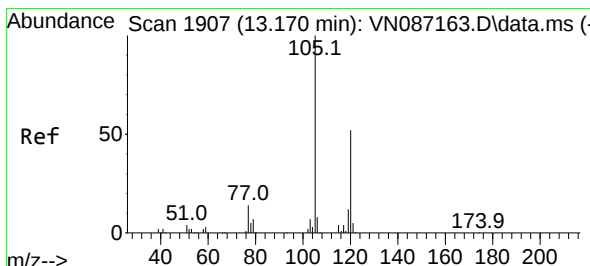
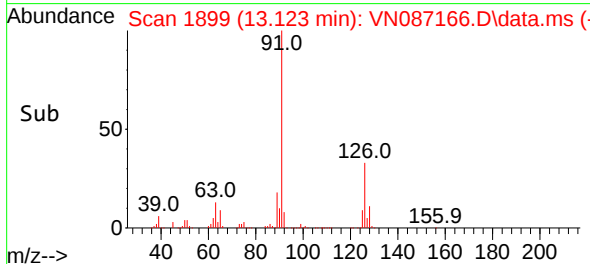
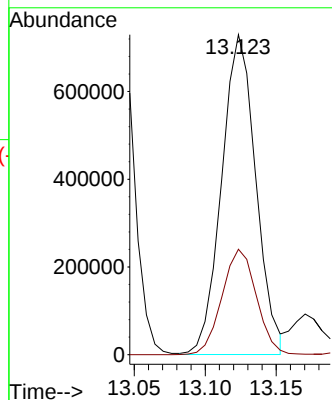
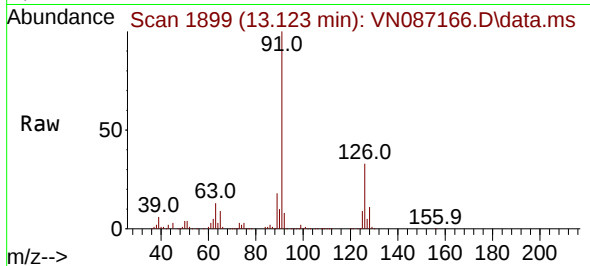
#75
2-Chlorotoluene
Concen: 156.271 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 1222718
Ion Ratio Lower Upper
91 100
126 33.2 0.0 63.8

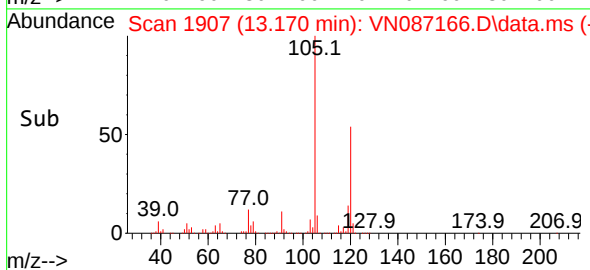
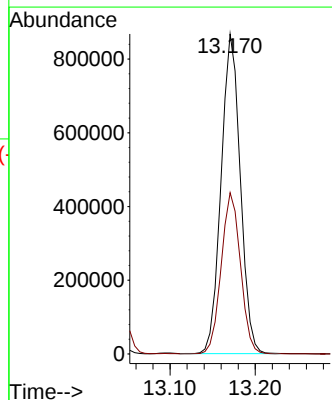
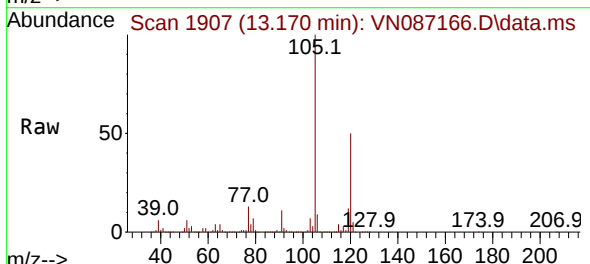
Manual Integrations
APPROVED

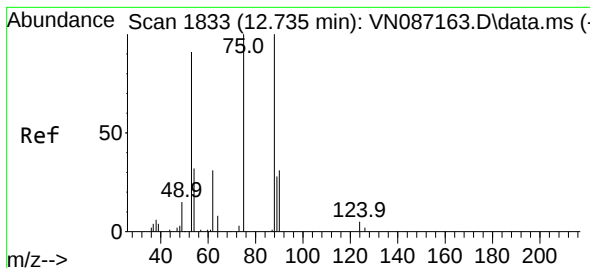
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#76
1,3,5-Trimethylbenzene
Concen: 158.459 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

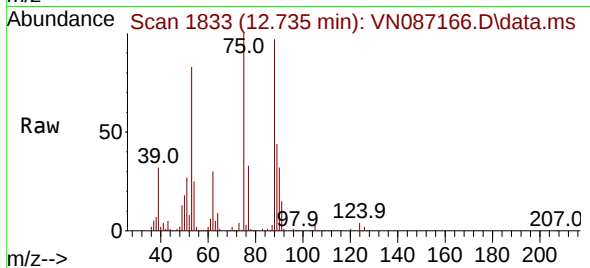
Tgt Ion:105 Resp: 1356652
Ion Ratio Lower Upper
105 100
120 50.8 0.0 100.8





#77
t-1,4-Dichloro-2-butene
Concen: 204.982 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

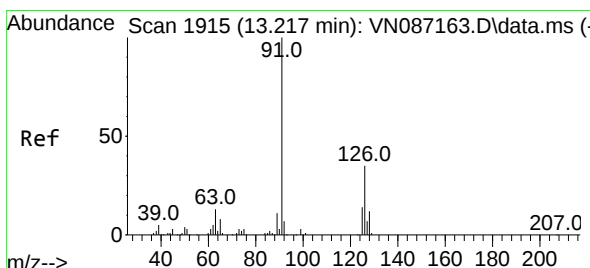
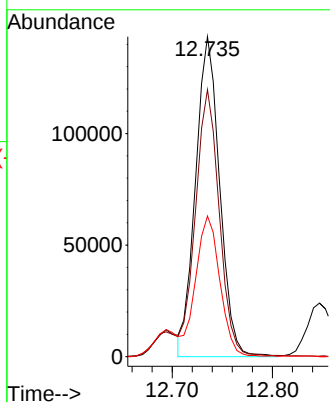
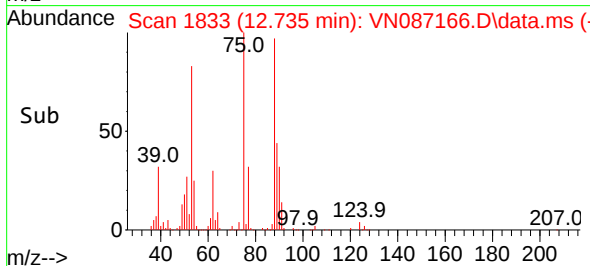
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 75 Resp: 240560
Ion Ratio Lower Upper
75 100
53 83.3 45.9 137.6
89 44.0 22.3 66.9

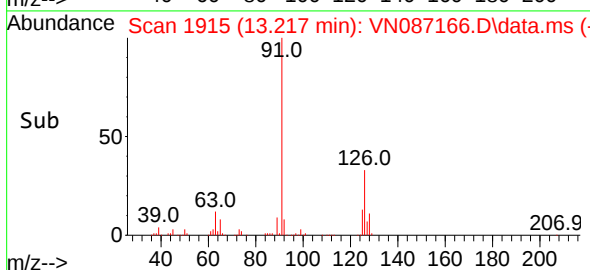
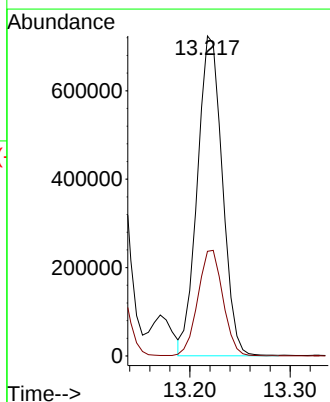
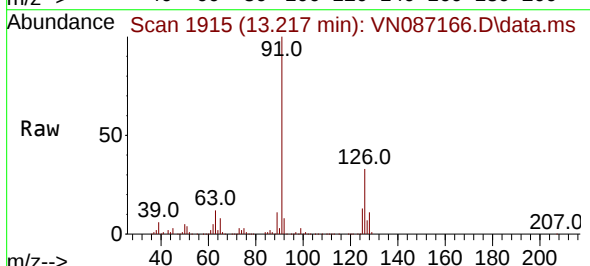
Manual Integrations
APPROVED

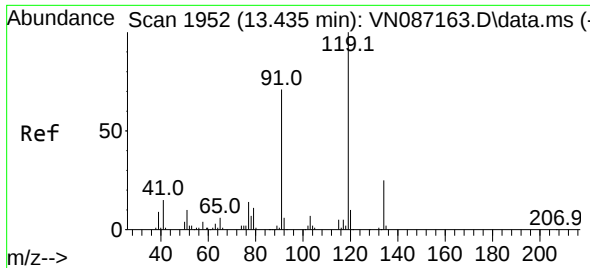
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#78
4-Chlorotoluene
Concen: 162.009 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Tgt Ion: 91 Resp: 1255673
Ion Ratio Lower Upper
91 100
126 33.2 0.0 65.2





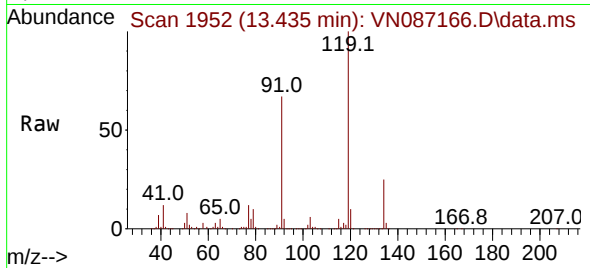
#79
tert-butylbenzene
Concen: 156.987 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150



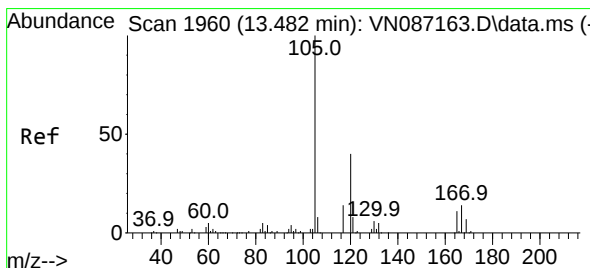
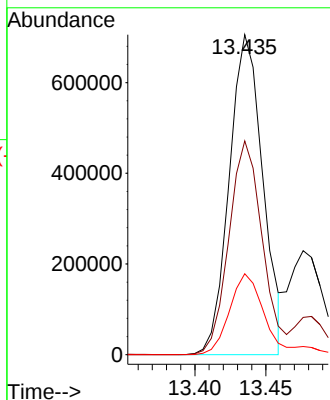
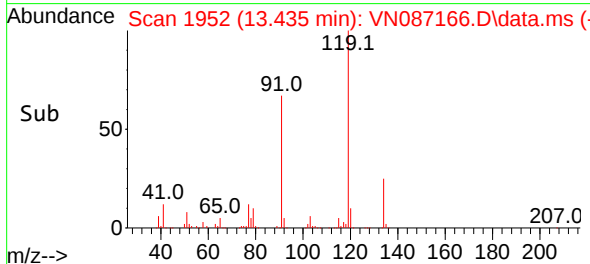
Tgt Ion:119 Resp: 1162060
Ion Ratio Lower Upper
119 100
91 66.5 0.0 137.0
134 25.6 0.0 49.4

Manual Integrations

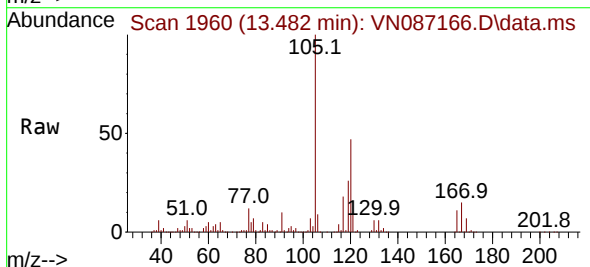
APPROVED

Reviewed By :John Carlone 06/25/2025

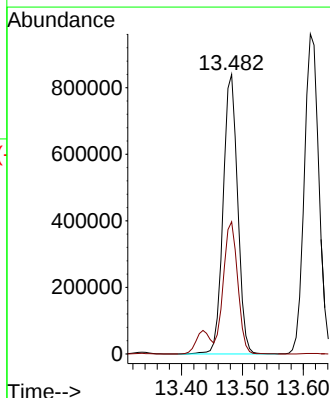
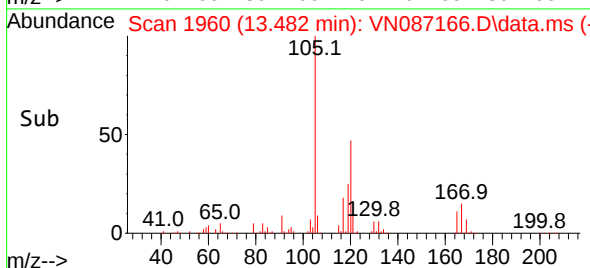
Supervised By :Mahesh Dadoda 06/26/2025

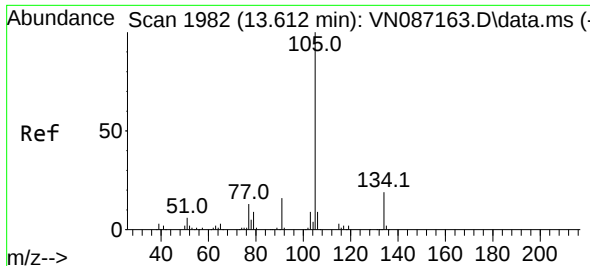


#80
1,2,4-Trimethylbenzene
Concen: 161.497 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



Tgt Ion:105 Resp: 1387864
Ion Ratio Lower Upper
105 100
120 46.7 0.0 94.0





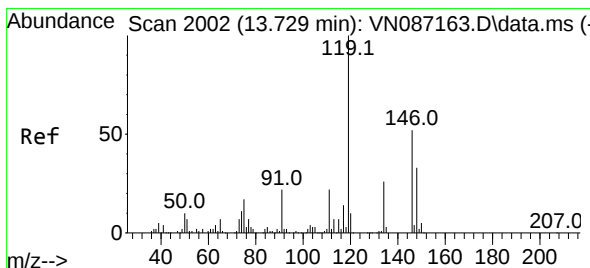
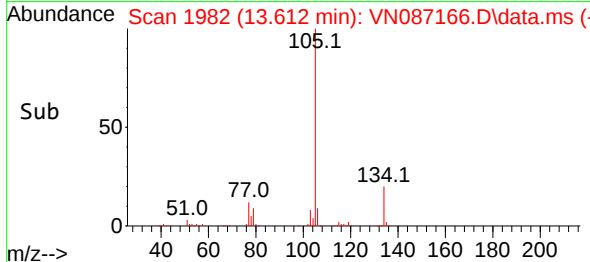
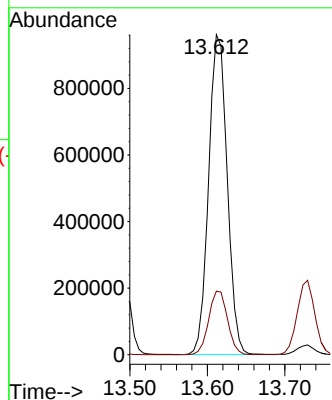
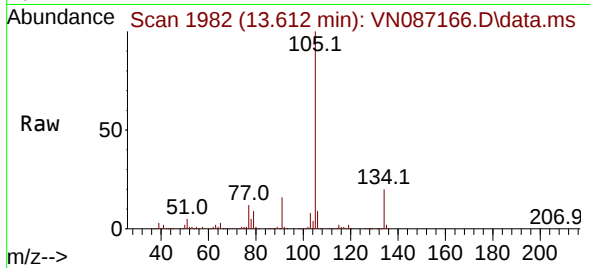
#81
 sec-Butylbenzene
 Concen: 158.414 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN087166.D
 Acq: 25 Jun 2025 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:105 Resp: 159751
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 39.4

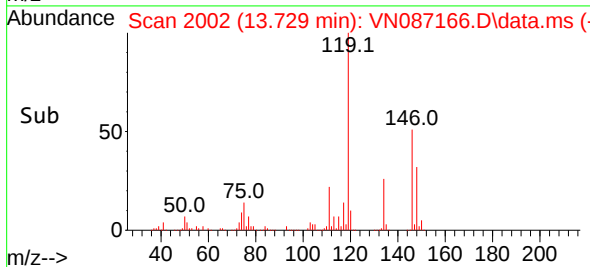
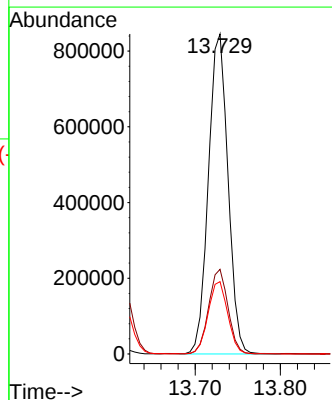
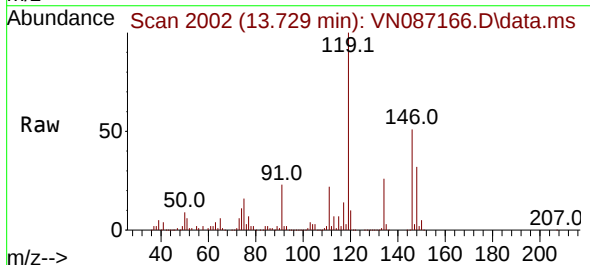
Manual Integrations
 APPROVED

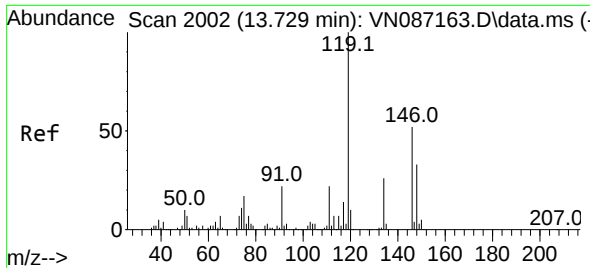
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#82
 p-Isopropyltoluene
 Concen: 159.427 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN087166.D
 Acq: 25 Jun 2025 10:24

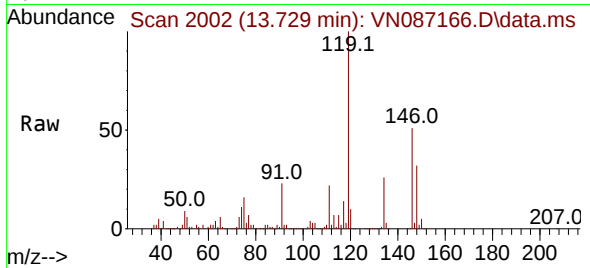
Tgt Ion:119 Resp: 1349971
 Ion Ratio Lower Upper
 119 100
 134 26.2 0.0 51.2
 91 22.7 0.0 46.4





#83
1,3-Dichlorobenzene
Concen: 155.558 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

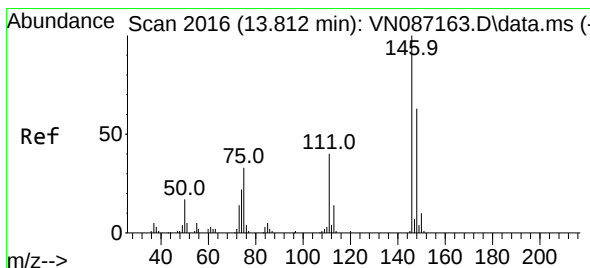
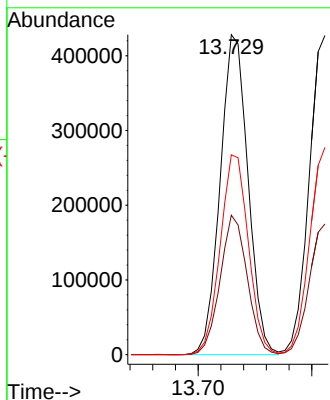
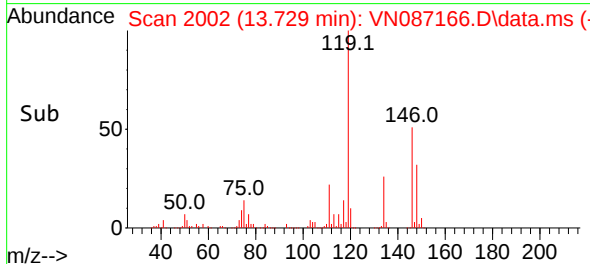
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



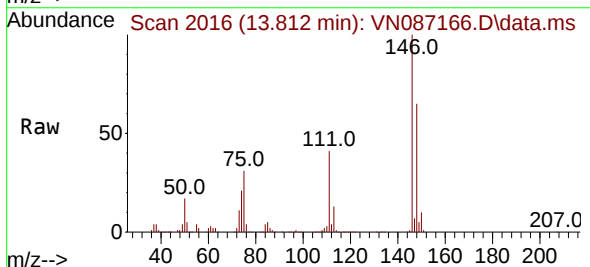
Tgt Ion:146 Resp: 729988
Ion Ratio Lower Upper
146 100
111 42.5 21.1 63.3
148 63.2 31.6 94.8

Manual Integrations
APPROVED

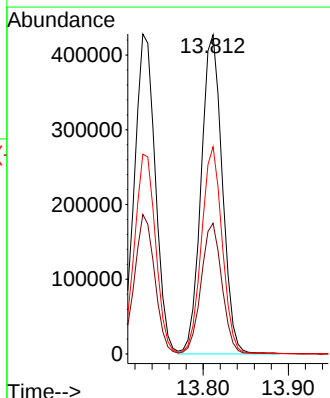
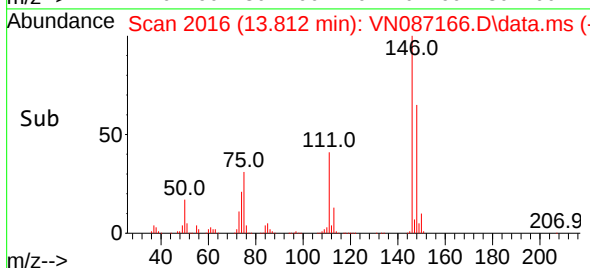
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

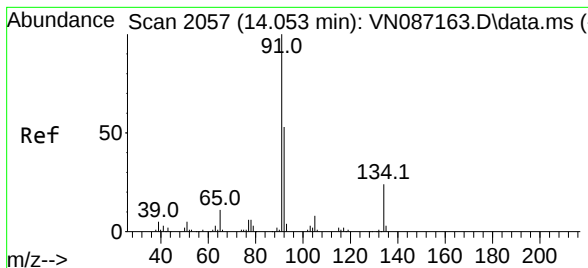


#84
1,4-Dichlorobenzene
Concen: 157.675 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



Tgt Ion:146 Resp: 736335
Ion Ratio Lower Upper
146 100
111 39.6 20.1 60.2
148 63.4 31.4 94.2





#85

n-Butylbenzene

Concen: 172.161 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 122044

Ion Ratio Lower Upper

91 100

92 54.0 0.0 106.4

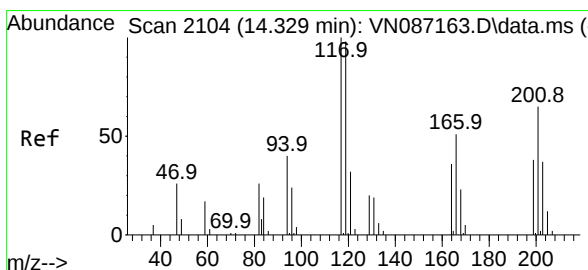
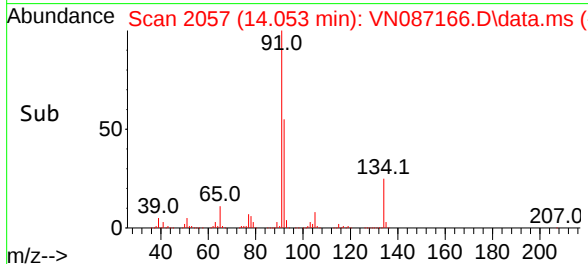
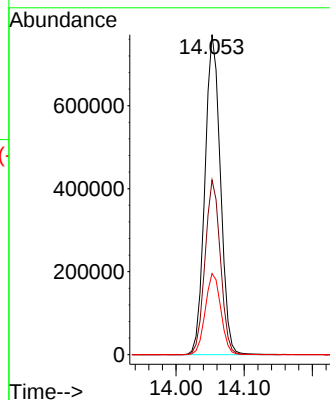
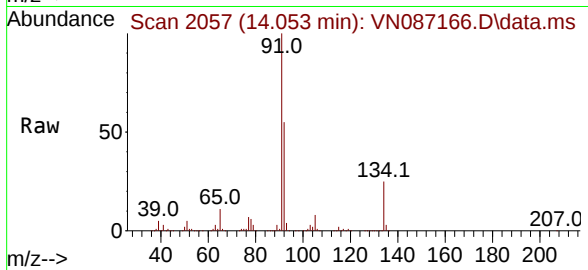
134 25.5 0.0 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#86

Hexachloroethane

Concen: 173.087 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. -0.000 min

Lab File: VN087166.D

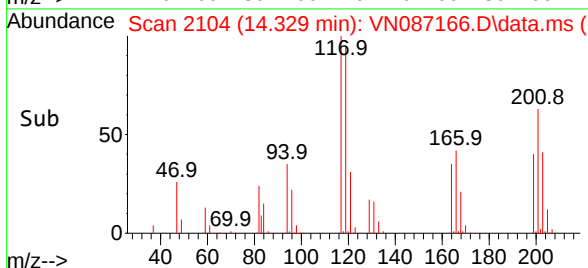
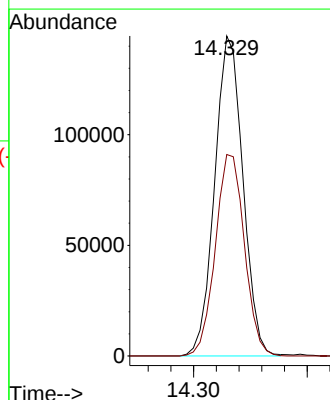
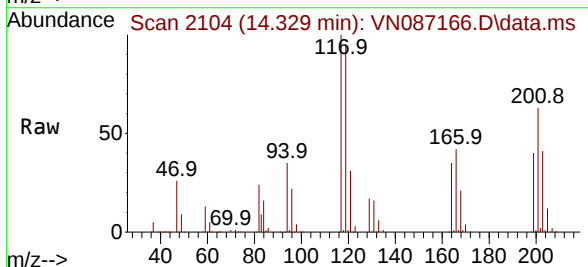
Acq: 25 Jun 2025 10:24

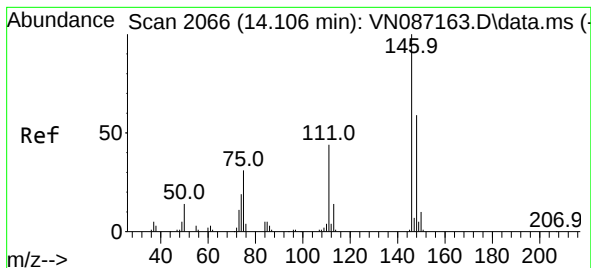
Tgt Ion:117 Resp: 249792

Ion Ratio Lower Upper

117 100

201 64.7 30.8 92.3





#87

1,2-Dichlorobenzene

Concen: 153.225 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion:146 Resp: 69361

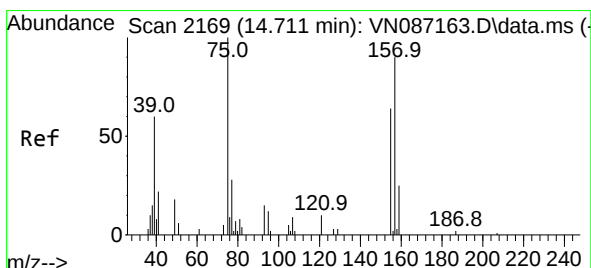
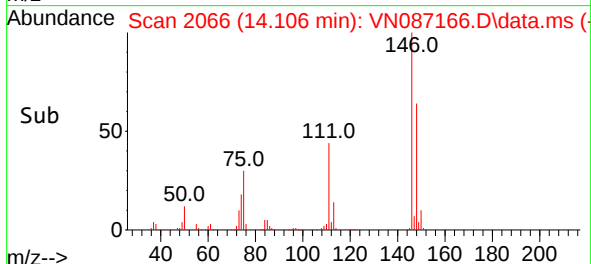
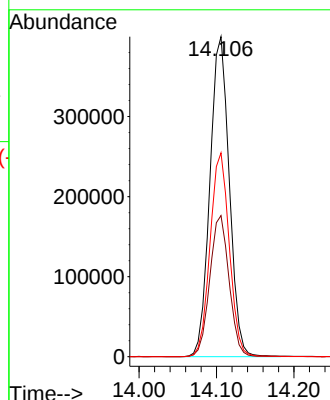
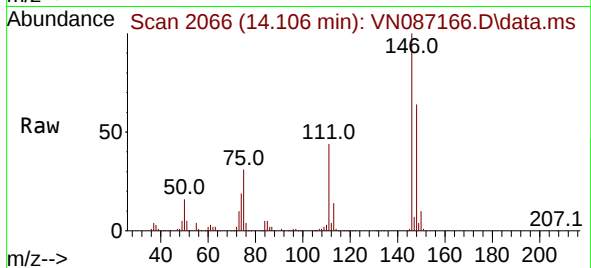
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.1	66.1
148	63.2	31.6	95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 266.961 ug/l

RT: 14.717 min Scan# 2170

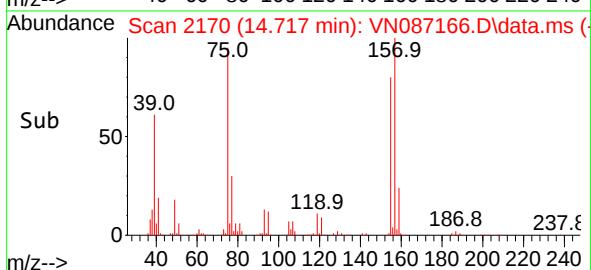
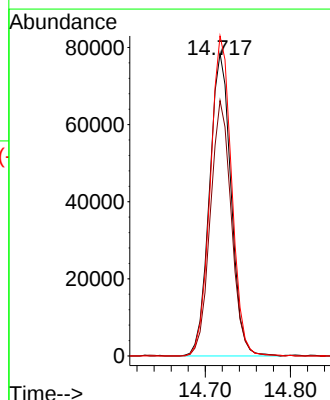
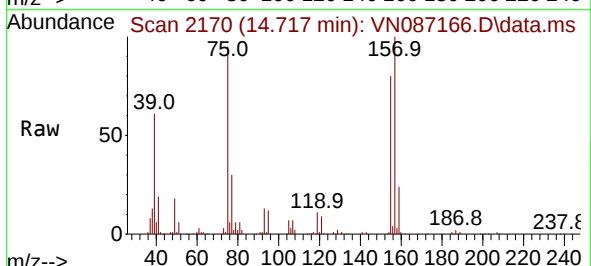
Delta R.T. 0.006 min

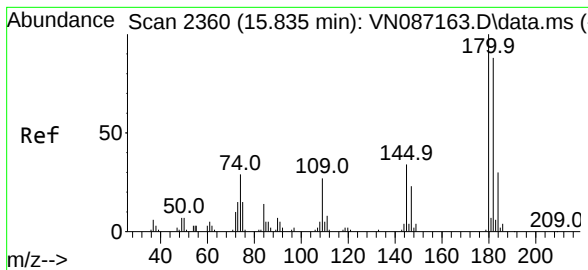
Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

Tgt Ion: 75 Resp: 137557

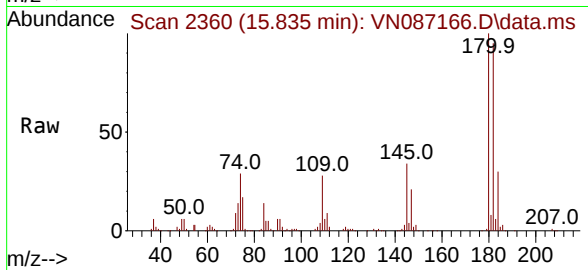
Ion	Ratio	Lower	Upper
75	100		
155	82.4	58.3	87.5
157	104.6	79.2	118.8





#89
1,2,4-Trichlorobenzene
Concen: 226.572 ug/l
RT: 15.835 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

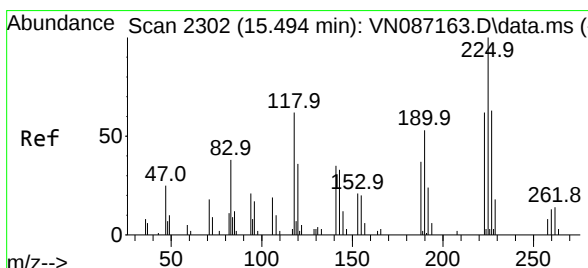
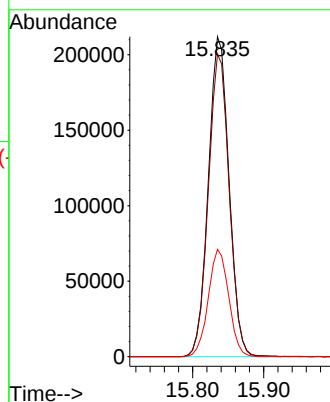
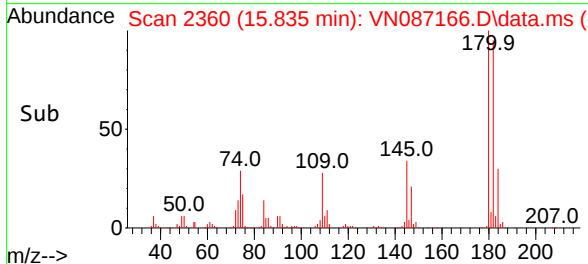
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



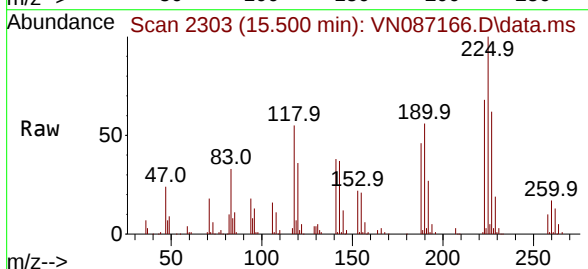
Tgt Ion:180 Resp: 42923
Ion Ratio Lower Upper
180 100
182 95.2 74.2 111.2
145 33.1 27.6 41.4

Manual Integrations
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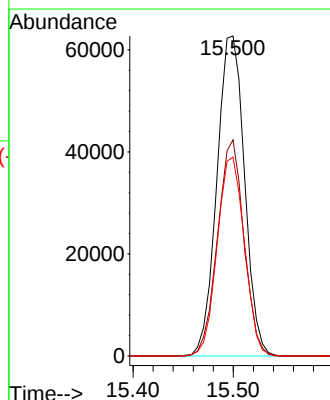
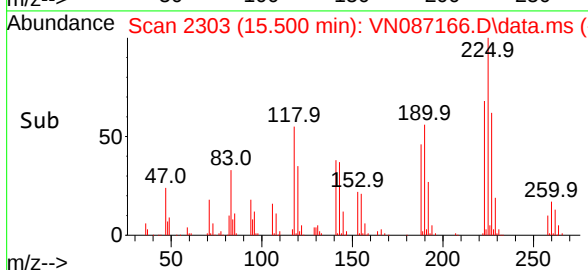
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

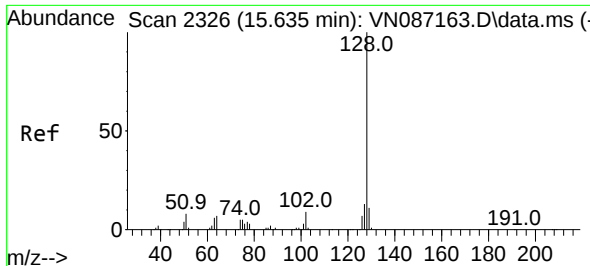


#90
Hexachlorobutadiene
Concen: 147.993 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



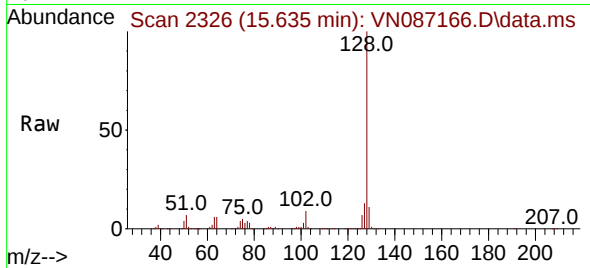
Tgt Ion:225 Resp: 120167
Ion Ratio Lower Upper
225 100
223 64.3 0.0 134.2
227 61.1 0.0 122.6





#91
Naphthalene
Concen: 265.695 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

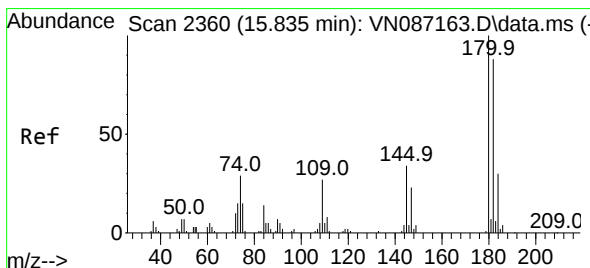
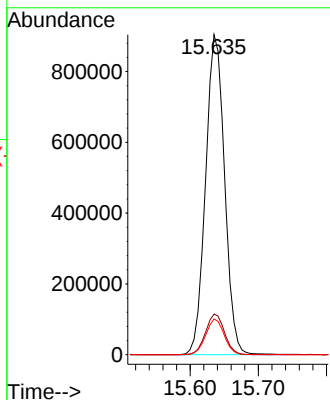
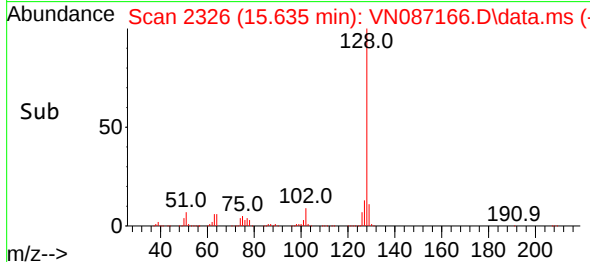
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



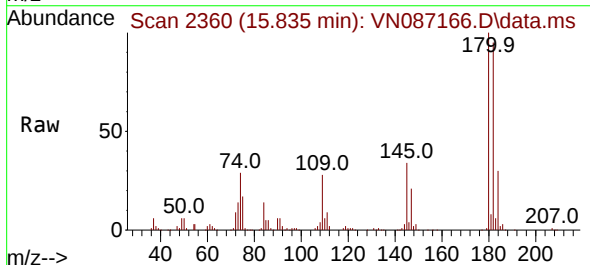
Tgt Ion:128 Resp: 175624
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.9 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#92
1,2,3-Trichlorobenzene
Concen: 226.572 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



Tgt Ion:180 Resp: 429237
Ion Ratio Lower Upper
180 100
182 95.2 0.0 185.4
145 33.1 0.0 69.0

