

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041125\
 Data File : VN086246.D
 Acq On : 11 Apr 2025 12:40
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Apr 12 00:25:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 12 00:09:06 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
 Supervised By :Mahesh Dadoda 04/14/2025

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

Internal Standards						
1) Bromochloromethane	7.812	128	26939	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	166827	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	146541	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	80888	30.785	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.600%			
60) 4-Bromofluorobenzene	12.847	95	86291	29.576	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.600%			
63) Toluene-d8	10.565	98	250531	30.283	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.933%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	9304	4.311	ug/l	99
3) Chloromethane	2.359	50	15004	5.030	ug/l	94
4) Vinyl Chloride	2.512	62	13469	4.740	ug/l	100
5) Bromomethane	2.965	94	8169	5.763	ug/l	98
6) Chloroethane	3.118	64	9245	5.152	ug/l	97
7) Trichlorofluoromethane	3.501	101	14867	4.823	ug/l	99
8) Diethyl Ether	3.959	74	7307	5.140	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	9194	4.837	ug/l	92
10) 1,1-Dichloroethene	4.336	96	10856	5.292	ug/l	98
11) Methyl Iodide	4.583	142	11623m	4.930	ug/l	
12) Methyl Acetate	5.024	43	14618	5.046	ug/l	97
13) Acrolein	4.177	56	10809	32.827	ug/l	99
14) Acrylonitrile	5.718	53	31353	25.638	ug/l	98
15) Acetone	4.436	58	8149	26.259	ug/l	77
16) Carbon Disulfide	4.712	76	32171	5.469	ug/l	100
17) Allyl chloride	5.024	41	18652	5.217	ug/l	96
18) Methylene Chloride	5.283	84	12832	5.487	ug/l	85
19) trans-1,2-Dichloroethene	5.777	96	11746m	6.348	ug/l	
20) Diisopropyl ether	6.671	45	37420	4.868	ug/l	96
21) 1,1-Dichloroethane	6.571	63	20024	4.883	ug/l	98
22) cis-1,2-Dichloroethene	7.488	96	13471	5.234	ug/l	95
23) tert-Butyl Alcohol	5.518	59	12793	25.247	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	38035m	5.147	ug/l	
25) Chloroform	7.959	83	19640	5.022	ug/l	93
26) Cyclohexane	8.253	56	19181	4.999	ug/l #	100
29) 1,1-Dichloropropene	8.371	75	14353	4.803	ug/l	97
30) 2-Butanone	7.483	43	39891	24.089	ug/l	99
31) 2,2-Dichloropropane	7.483	77	17332	4.711	ug/l #	84
32) 1,1,1-Trichloroethane	8.165	97	17271	5.024	ug/l	98
33) Carbon Tetrachloride	8.365	117	12727	4.633	ug/l	95
34) Benzene	8.606	78	46065	4.845	ug/l #	88
35) Methacrylonitrile	7.777	41	9403	5.037	ug/l	96
36) 1,2-Dichloroethane	8.671	62	14350	4.823	ug/l #	87
37) Trichloroethene	9.353	130	10774	4.697	ug/l	97
38) Methylcyclohexane	9.600	83	18064	4.929	ug/l	97
39) 1,2-Dichloropropane	9.618	63	11201	4.735	ug/l	94
40) Dibromomethane	9.706	93	7704	5.042	ug/l	95
41) Bromodichloromethane	9.882	83	16772	5.109	ug/l	100
42) Vinyl Acetate	6.600	43	138739	24.613	ug/l	99

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
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 VSTDICC005

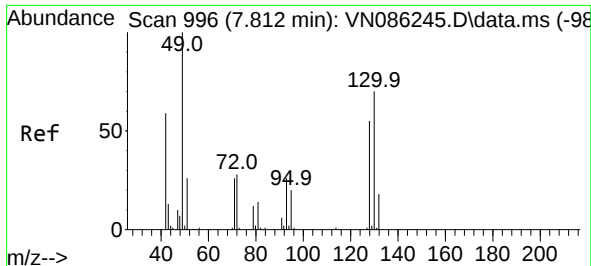
Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2025
 Supervised By : Mahesh Dadoda 04/14/2025

Quant Time: Apr 12 00:25:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 12 00:09:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	16850	5.045	ug/l #	79
44) Isopropyl Acetate	8.683	43	33849	5.463	ug/l	95
45) 1,4-Dioxane	9.688	88	4828	97.983	ug/l #	86
46) Methyl methacrylate	9.677	41	12994	4.759	ug/l	95
47) n-amyl Acetate	12.488	43	24334	4.860	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	17815	4.801	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	18616	4.740	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	10709	4.997	ug/l	96
51) Ethyl methacrylate	10.871	69	19475	4.890	ug/l	91
52) 1,3-Dichloropropane	11.159	76	18666	4.887	ug/l	95
53) Dibromochloromethane	11.359	129	11282	4.813	ug/l	100
54) 1,2-Dibromoethane	11.465	107	10742	4.965	ug/l	95
55) 2-Chloroethyl vinyl ether	10.159	63	44228	29.389	ug/l	99
56) Bromoform	12.576	173	7367	4.804	ug/l #	98
58) 4-Methyl-2-Pentanone	10.441	43	81510	24.511	ug/l	99
59) 2-Hexanone	11.194	43	60580	24.465	ug/l	99
61) Tetrachloroethene	11.100	164	10135	4.683	ug/l	96
62) Toluene	10.624	91	48384	4.923	ug/l	99
64) Chlorobenzene	11.888	112	29905	4.980	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.959	131	9602	4.845	ug/l	96
66) Ethyl Benzene	11.965	91	53539	4.912	ug/l	98
67) m/p-Xylenes	12.071	106	38897	9.597	ug/l	97
68) o-Xylene	12.394	106	19223	4.822	ug/l	98
69) Styrene	12.406	104	32582	4.846	ug/l	100
70) Isopropylbenzene	12.694	105	47563	4.839	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	15293	5.466	ug/l	93
72) 1,2,3-Trichloropropane	12.988	75	14811m	3.739	ug/l	
73) Bromobenzene	12.976	156	10521	4.831	ug/l	96
74) n-propylbenzene	13.035	91	55104	4.734	ug/l	100
75) 2-Chlorotoluene	13.123	91	35960	4.929	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	38762	4.800	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	6507	4.845	ug/l	94
78) 4-Chlorotoluene	13.218	91	35898	4.927	ug/l	98
79) tert-butylbenzene	13.435	119	35578	5.092	ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	38730	4.730	ug/l	99
81) sec-Butylbenzene	13.612	105	46761	4.798	ug/l	100
82) p-Isopropyltoluene	13.729	119	38146	4.692	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	19501	4.818	ug/l	98
84) 1,4-Dichlorobenzene	13.806	146	19847	4.888	ug/l	99
85) n-Butylbenzene	14.053	91	34592	4.716	ug/l	99
86) Hexachloroethane	14.329	117	6465	4.714	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	19316	4.834	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	3152	4.946	ug/l	94
89) 1,2,4-Trichlorobenzene	15.835	180	9291	4.778	ug/l	95
90) Hexachlorobutadiene	15.500	225	4734	5.639	ug/l	96
91) Naphthalene	15.635	128	38531	5.026	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	9291	4.778	ug/l	95

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



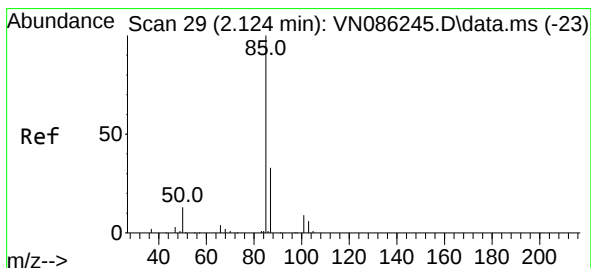
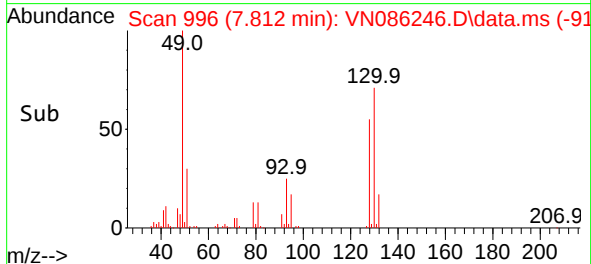
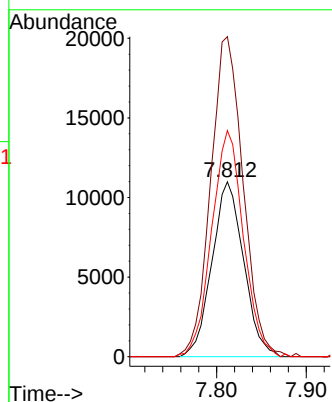
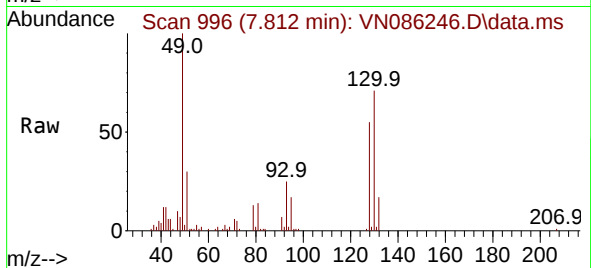
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 26939
Ion Ratio Lower Upper
128 100
49 187.2 0.0 452.5
130 129.7 0.0 315.0

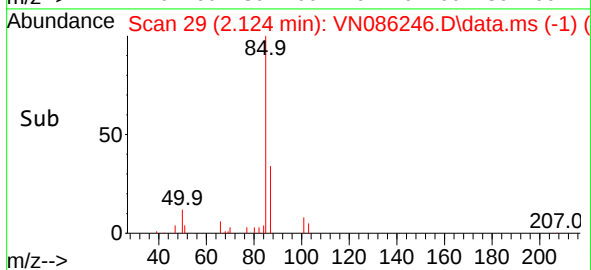
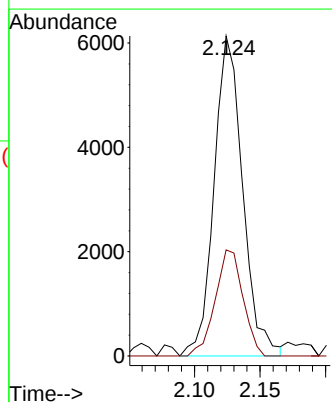
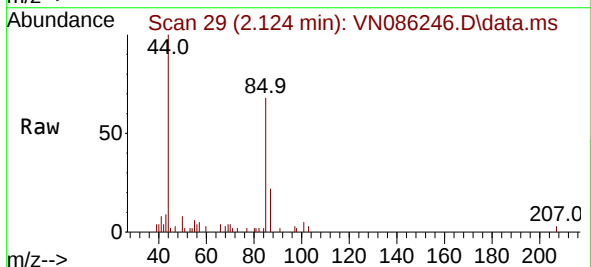
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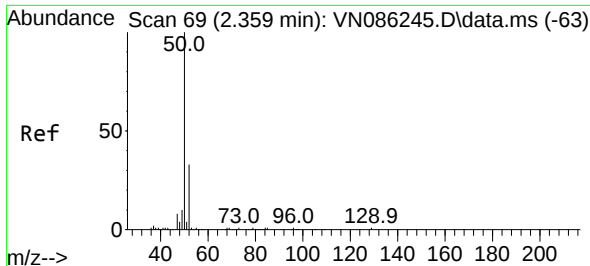
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#2
Dichlorodifluoromethane
Concen: 4.311 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion: 85 Resp: 9304
Ion Ratio Lower Upper
85 100
87 33.1 16.3 48.9





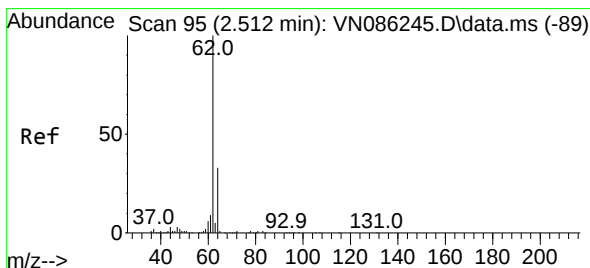
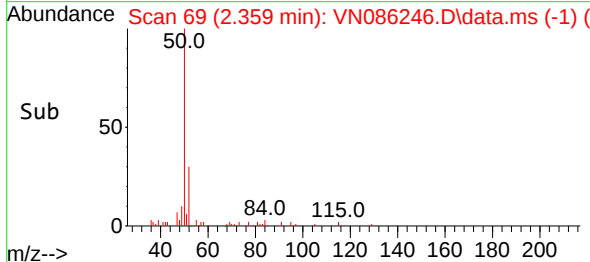
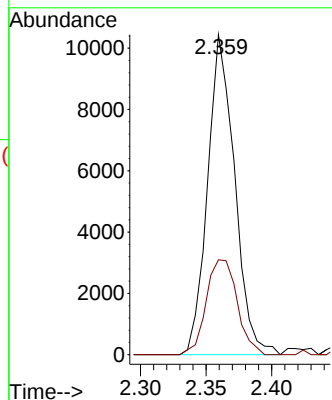
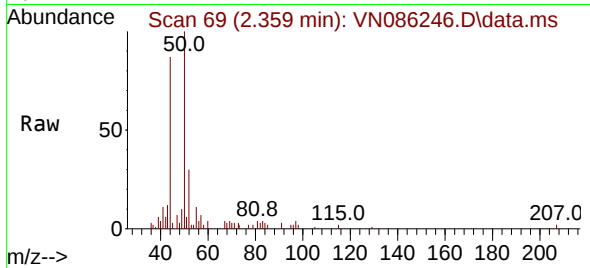
#3
Chloromethane
Concen: 5.030 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 50 Resp: 15004
Ion Ratio Lower Upper
50 100
52 29.7 26.4 39.6

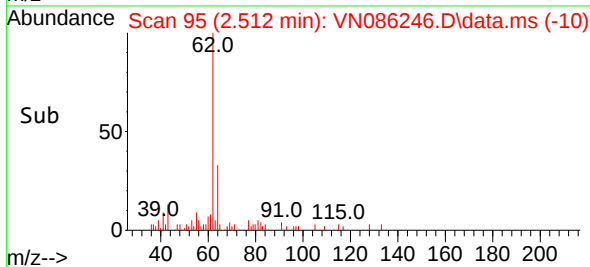
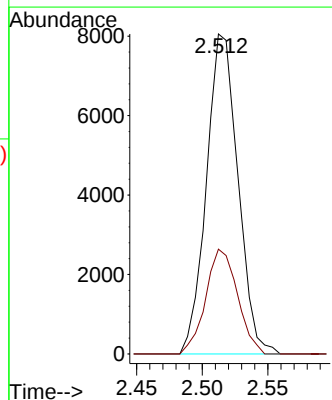
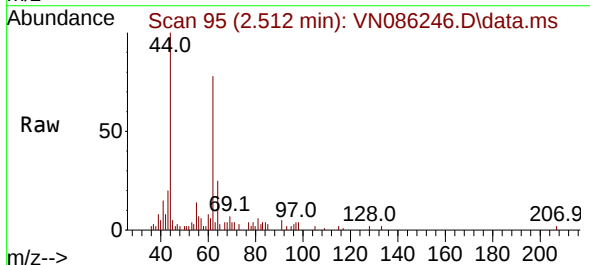
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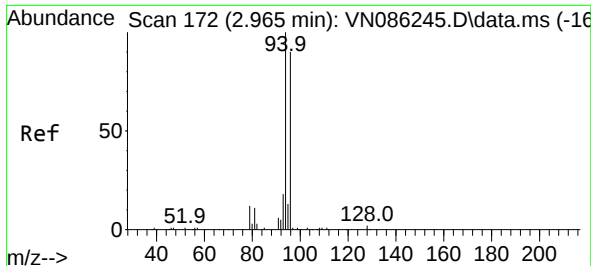
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#4
Vinyl Chloride
Concen: 4.740 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

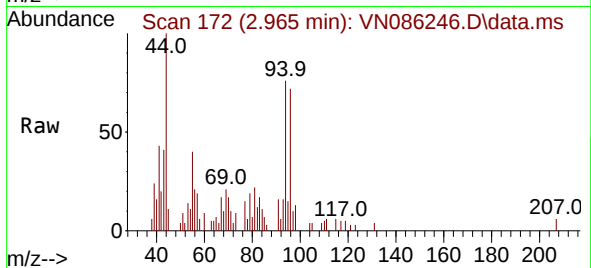
Tgt Ion: 62 Resp: 13469
Ion Ratio Lower Upper
62 100
64 32.8 26.3 39.5





#5
Bromomethane
Concen: 5.763 ug/l
RT: 2.965 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

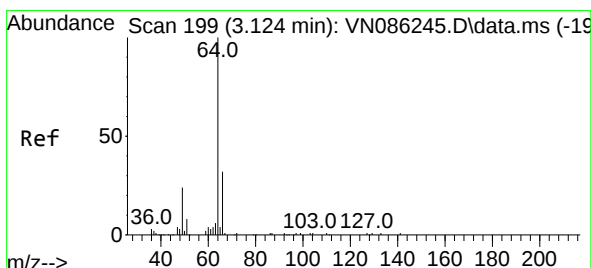
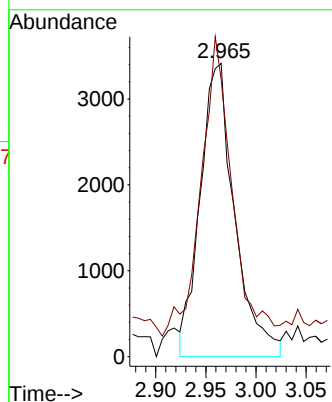
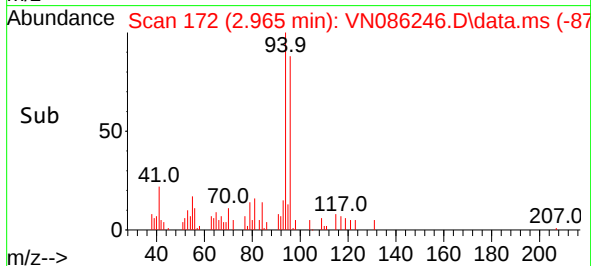
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 94 Resp: 816
Ion Ratio Lower Upper
94 100
96 88.5 72.2 108.2

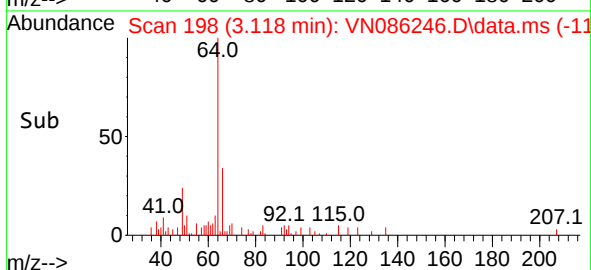
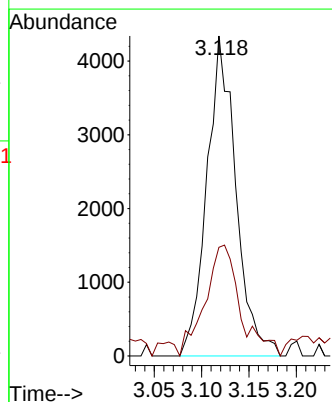
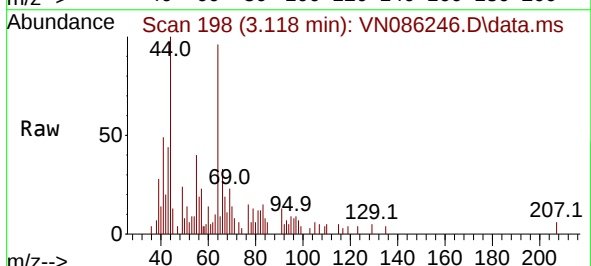
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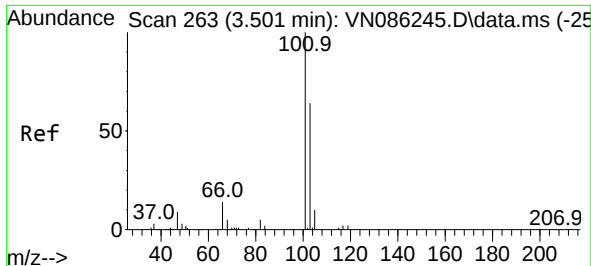
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#6
Chloroethane
Concen: 5.152 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion: 64 Resp: 9245
Ion Ratio Lower Upper
64 100
66 34.0 25.7 38.5





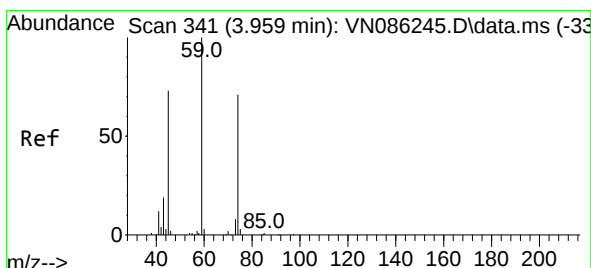
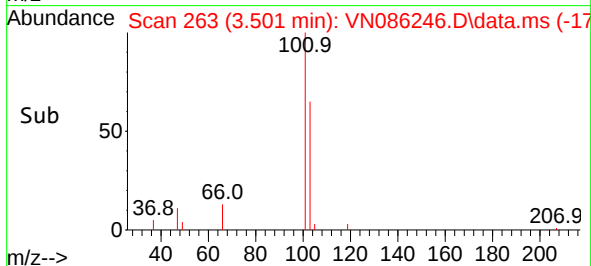
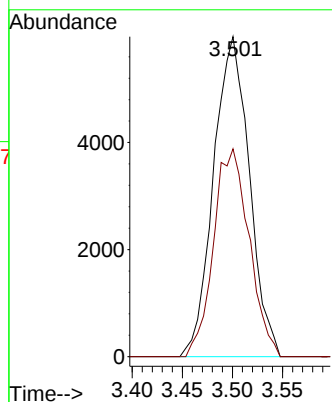
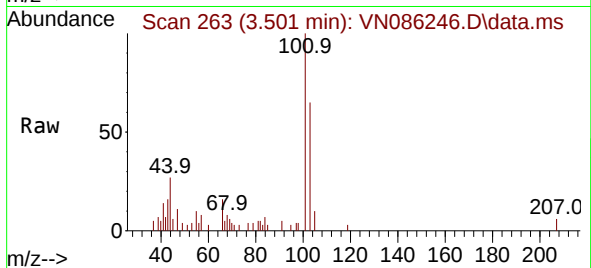
#7
 Trichlorofluoromethane
 Concen: 4.823 ug/l
 RT: 3.501 min Scan# 263
 Delta R.T. -0.000 min
 Lab File: VN086246.D
 Acq: 11 Apr 2025 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:101 Resp: 1486
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.2 76.8

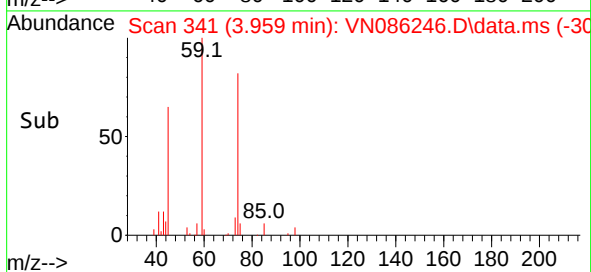
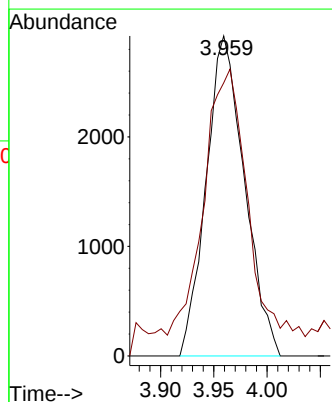
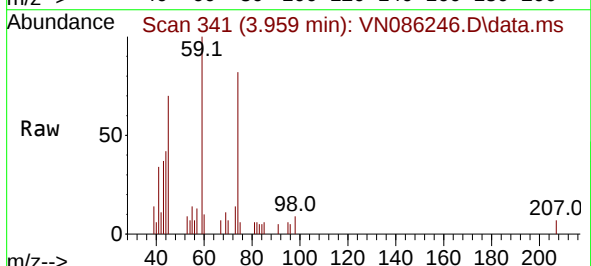
Manual Integrations
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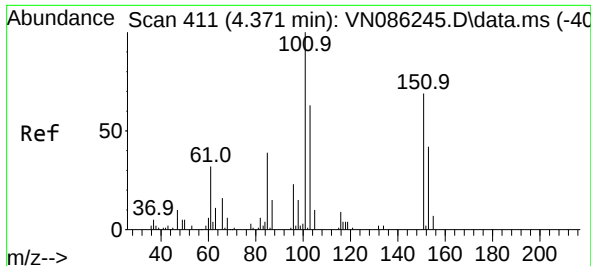
Reviewed By :John Carlone 04/14/2025
 Supervised By :Mahesh Dadoda 04/14/2025



#8
 Diethyl Ether
 Concen: 5.140 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. -0.000 min
 Lab File: VN086246.D
 Acq: 11 Apr 2025 12:40

Tgt Ion: 74 Resp: 7307
 Ion Ratio Lower Upper
 74 100
 45 92.1 19.2 173.2





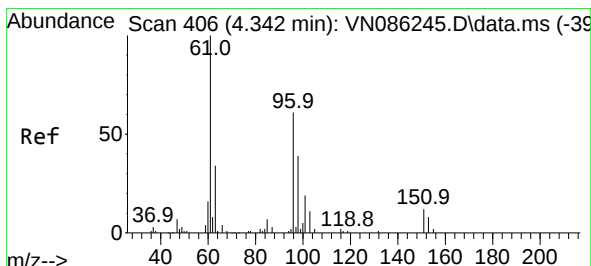
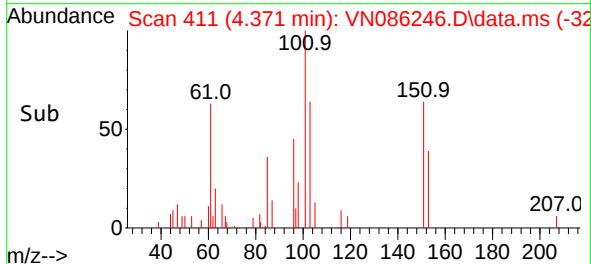
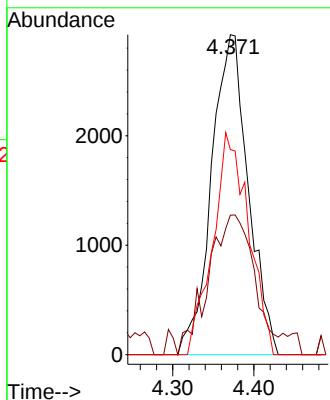
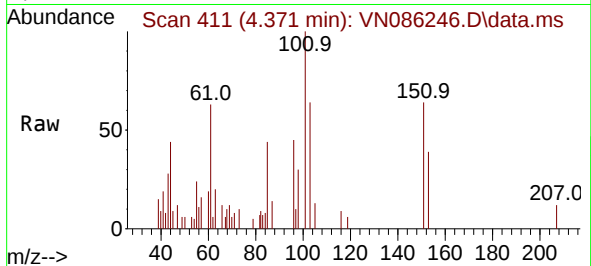
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 1,1,2-Trichlorotrifluoroethane
 Concen: 4.837 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. -0.000 min
 Lab File: VN086246.D
 Acq: 11 Apr 2025 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:101 Resp: 9194
 Ion Ratio Lower Upper
 101 100
 85 35.1 0.0 93.0
 151 67.5 0.0 138.6

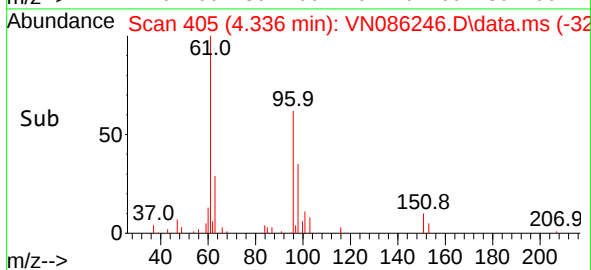
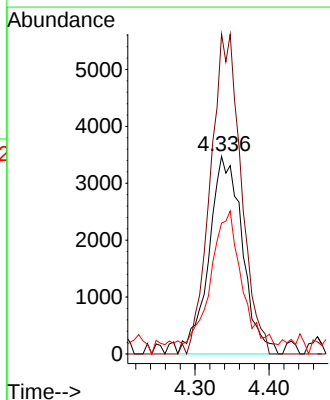
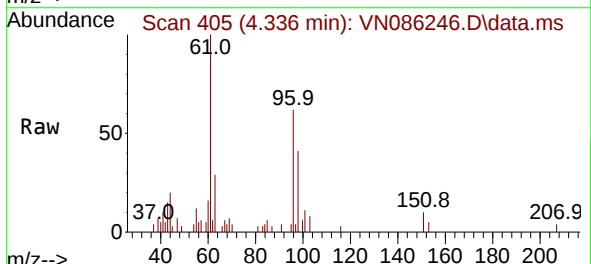
Manual Integrations
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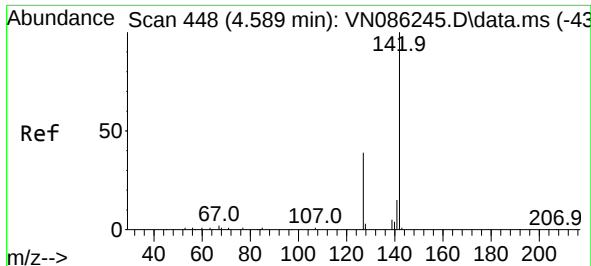
Reviewed By :John Carlone 04/14/2025
 Supervised By :Mahesh Dadoda 04/14/2025



#10
 1,1-Dichloroethene
 Concen: 5.292 ug/l
 RT: 4.336 min Scan# 405
 Delta R.T. -0.006 min
 Lab File: VN086246.D
 Acq: 11 Apr 2025 12:40

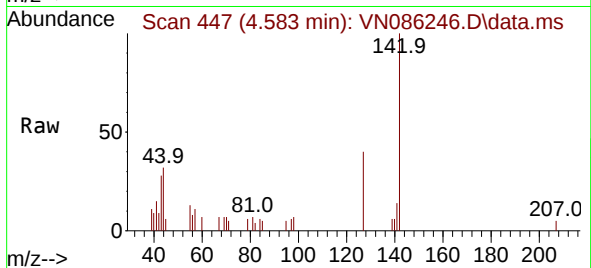
Tgt Ion: 96 Resp: 10856
 Ion Ratio Lower Upper
 96 100
 61 161.9 131.1 196.7
 98 61.6 51.6 77.4





#11
Methyl Iodide
Concen: 4.930 ug/l m
RT: 4.583 min Scan# 44
Delta R.T. -0.006 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

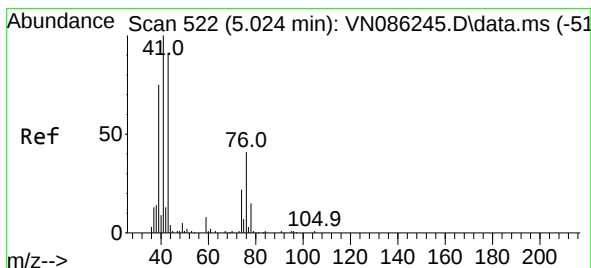
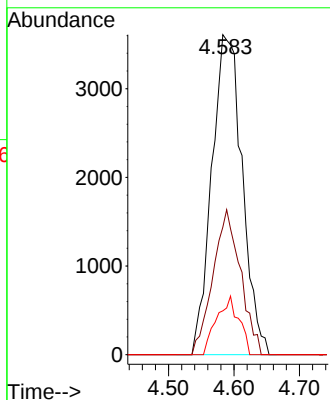
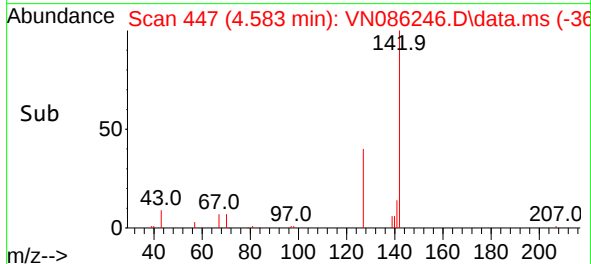
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion:142 Resp: 1162
Ion Ratio Lower Upper
142 100
127 39.8 19.6 58.8
141 13.7 7.3 21.9

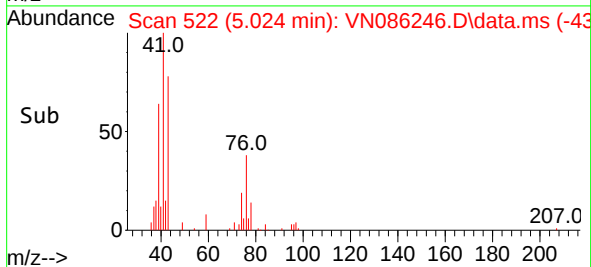
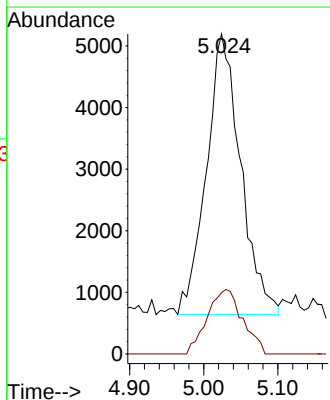
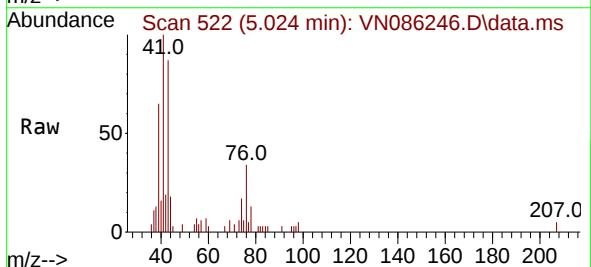
Manual Integrations
APPROVED

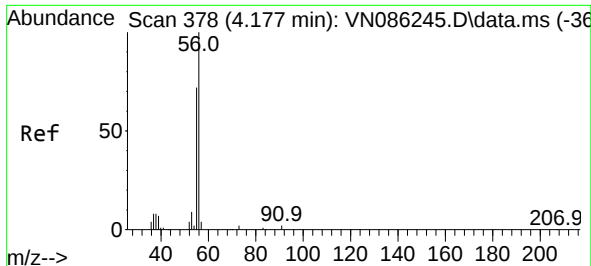
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#12
Methyl Acetate
Concen: 5.046 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion: 43 Resp: 14618
Ion Ratio Lower Upper
43 100
74 22.2 19.1 28.7





#13

Acrolein

Concen: 32.827 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN086246.D

Acq: 11 Apr 2025 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 10809

Ion Ratio Lower Upper

56 100

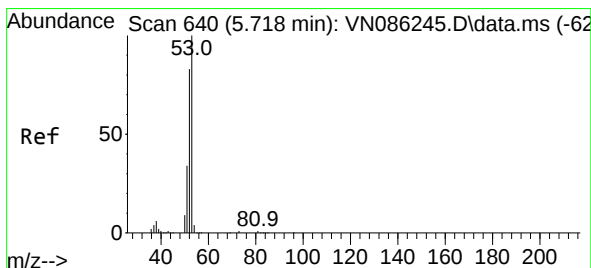
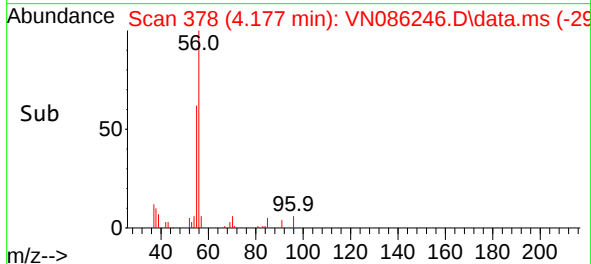
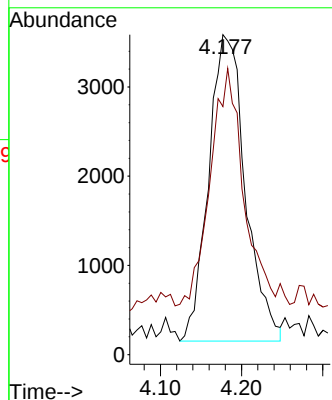
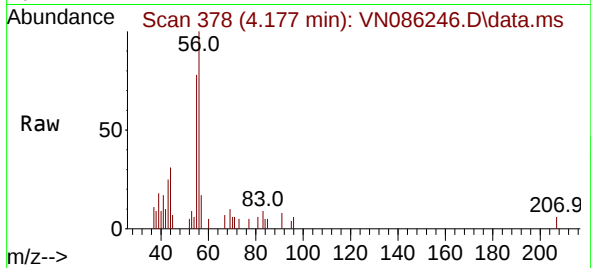
55 69.7 56.5 84.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#14

Acrylonitrile

Concen: 25.638 ug/l

RT: 5.718 min Scan# 640

Delta R.T. -0.000 min

Lab File: VN086246.D

Acq: 11 Apr 2025 12:40

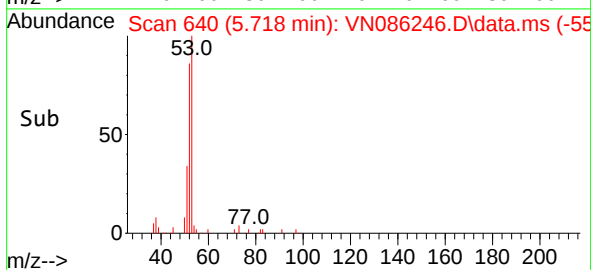
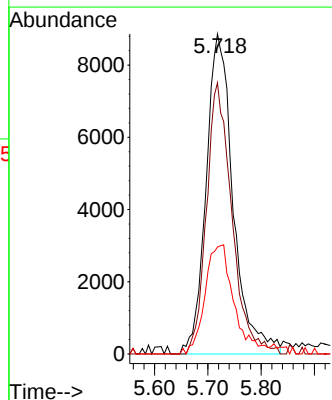
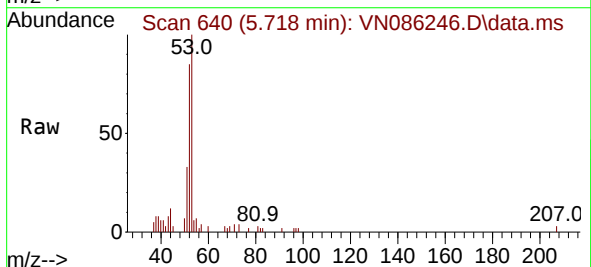
Tgt Ion: 53 Resp: 31353

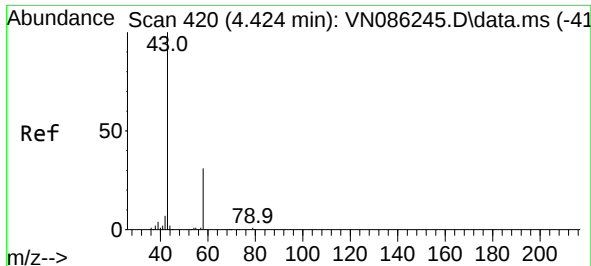
Ion Ratio Lower Upper

53 100

52 78.8 40.2 120.6

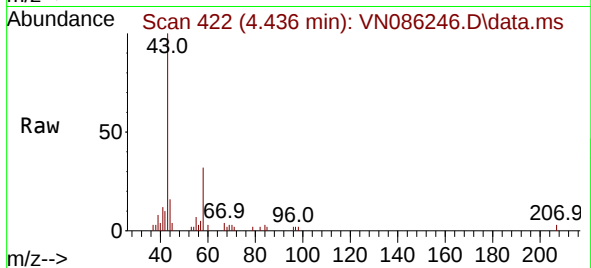
51 33.7 17.5 52.6





#15
Acetone
Concen: 26.259 ug/l
RT: 4.436 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

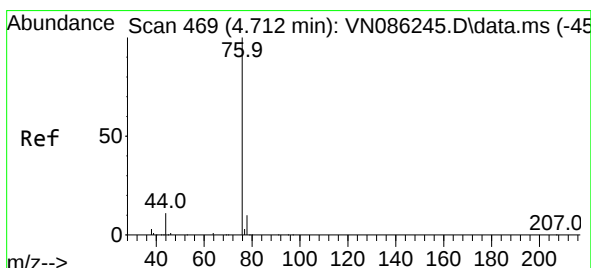
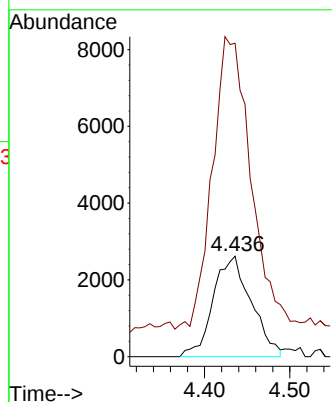
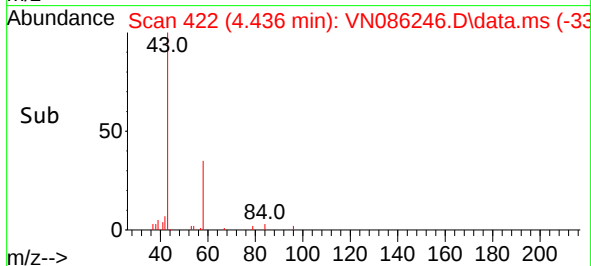
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



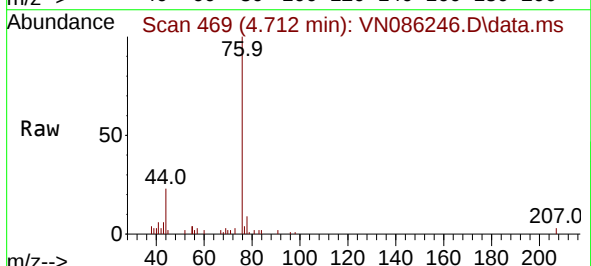
Tgt Ion: 58 Resp: 8149
Ion Ratio Lower Upper
58 100
43 280.1 261.8 392.8

Manual Integrations
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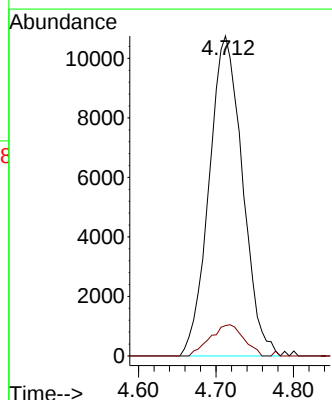
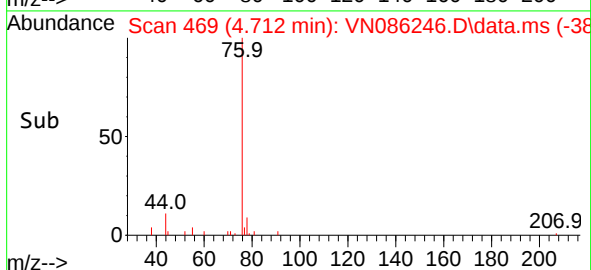
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

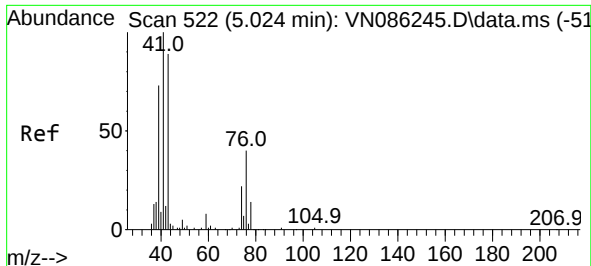


#16
Carbon Disulfide
Concen: 5.469 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40



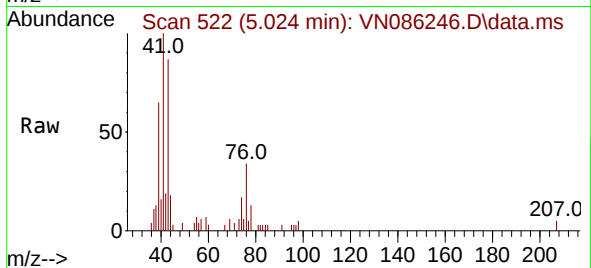
Tgt Ion: 76 Resp: 32171
Ion Ratio Lower Upper
76 100
78 9.5 7.7 11.5





#17
Allyl chloride
Concen: 5.217 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

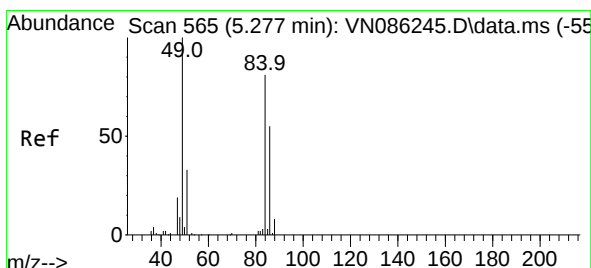
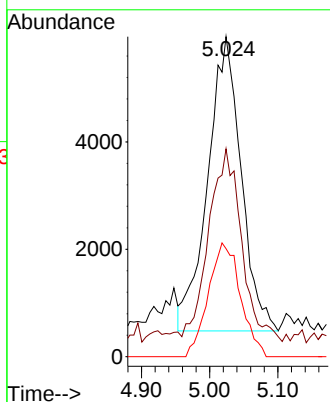
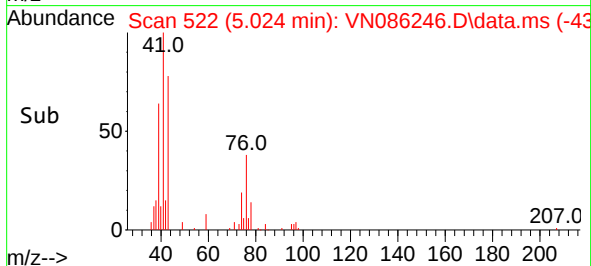
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 41 Resp: 1865
Ion Ratio Lower Upper
41 100
39 63.8 34.4 103.2
76 36.7 18.8 56.3

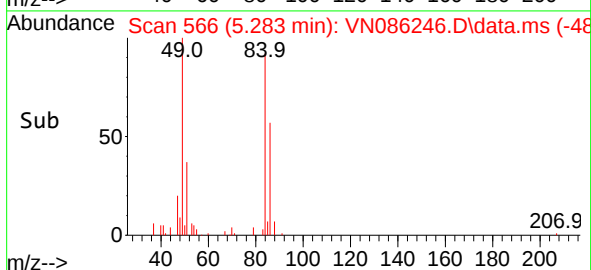
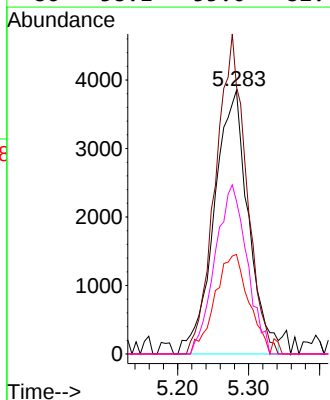
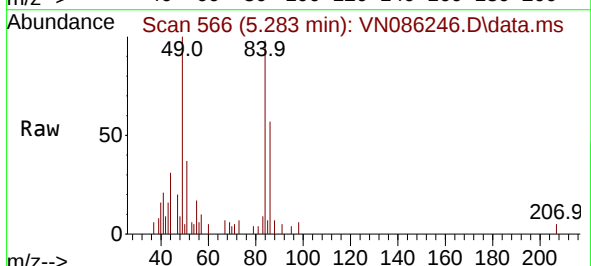
Manual Integrations
APPROVED

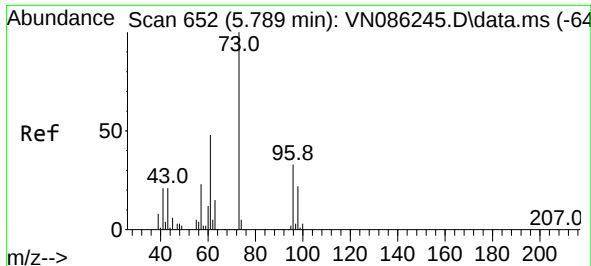
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#18
Methylene Chloride
Concen: 5.487 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

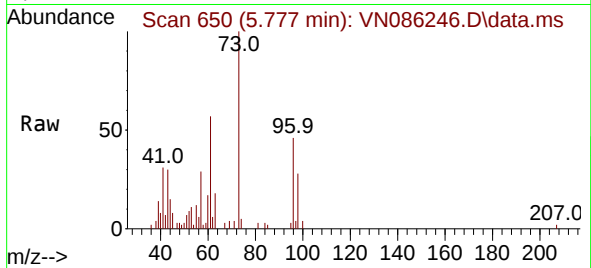
Tgt Ion: 84 Resp: 12832
Ion Ratio Lower Upper
84 100
49 101.6 99.1 148.7
51 37.8 32.3 48.5
86 58.1 55.0 82.4





#19
trans-1,2-Dichloroethene
Concen: 6.348 ug/l m
RT: 5.777 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

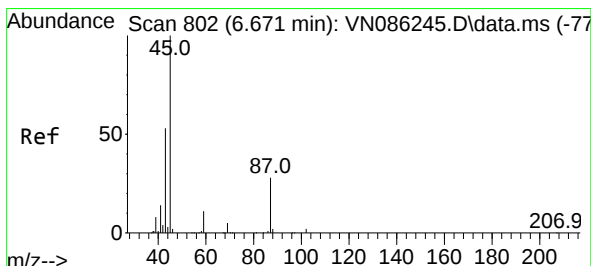
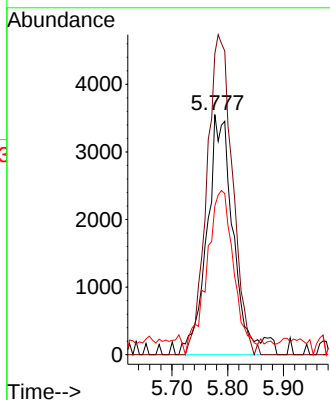
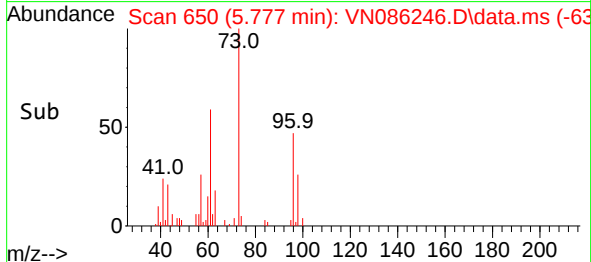
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 96 Resp: 11740
Ion Ratio Lower Upper
96 100
61 125.3 115.9 173.9
98 61.9 52.1 78.1

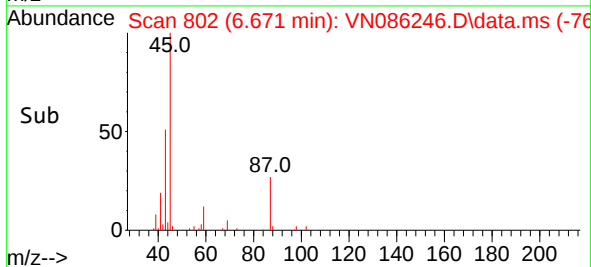
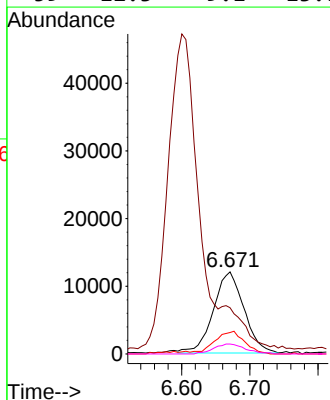
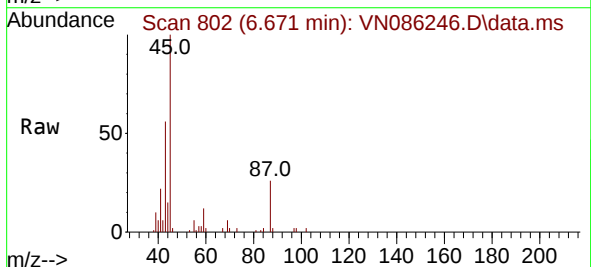
Manual Integrations
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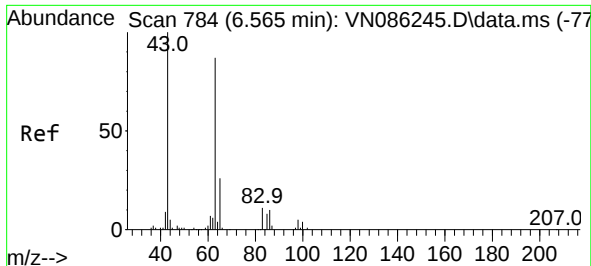
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#20
Diisopropyl ether
Concen: 4.868 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion: 45 Resp: 37420
Ion Ratio Lower Upper
45 100
43 49.8 42.3 63.5
87 26.5 22.2 33.4
59 12.3 9.1 13.7





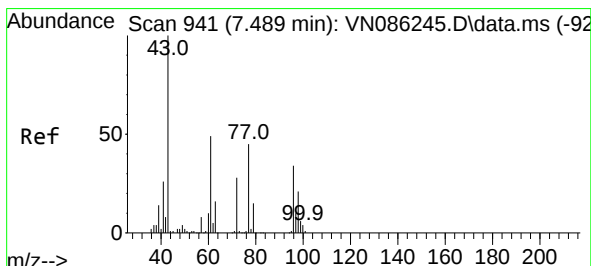
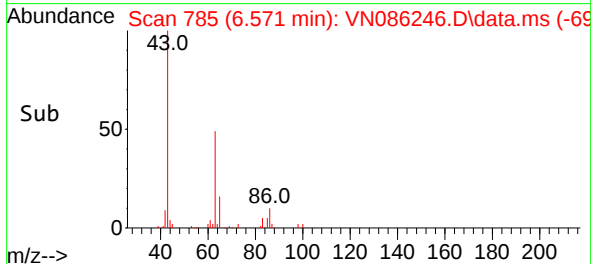
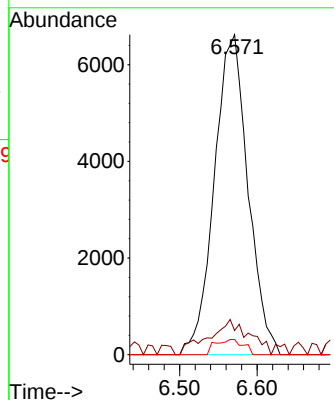
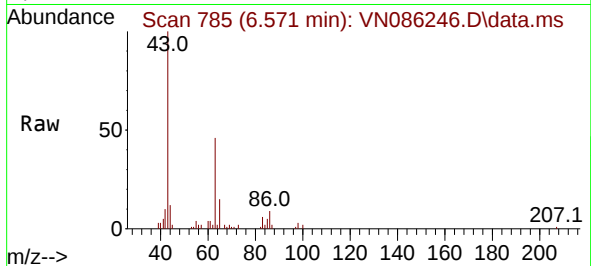
#21
1,1-Dichloroethane
Concen: 4.883 ug/l
RT: 6.571 min Scan# 784
Delta R.T. 0.006 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 20024
Ion Ratio Lower Upper
63 100
98 7.6 3.1 9.3
100 4.7 2.3 6.9

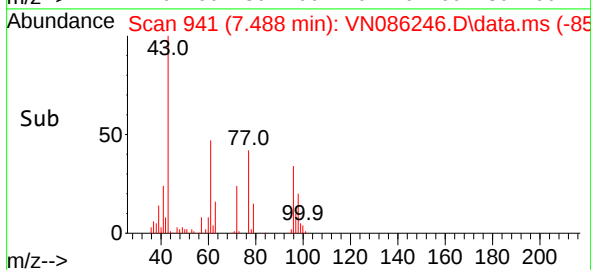
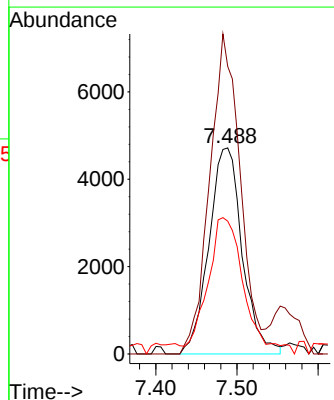
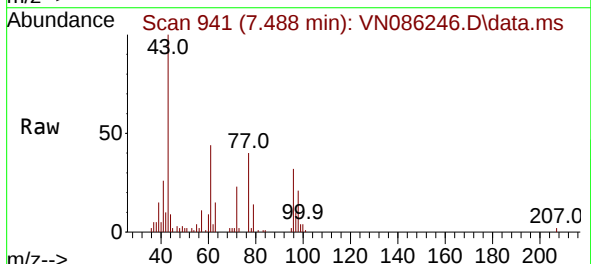
Manual Integrations
APPROVED

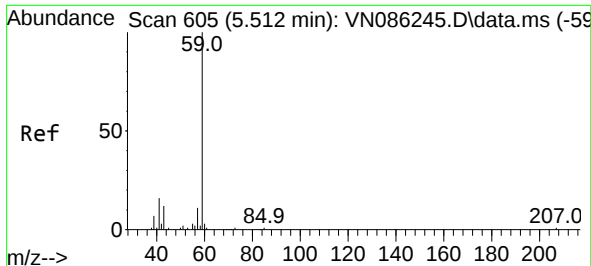
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#22
cis-1,2-Dichloroethene
Concen: 5.234 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion: 96 Resp: 13471
Ion Ratio Lower Upper
96 100
61 141.2 119.5 179.3
98 61.3 51.0 76.6





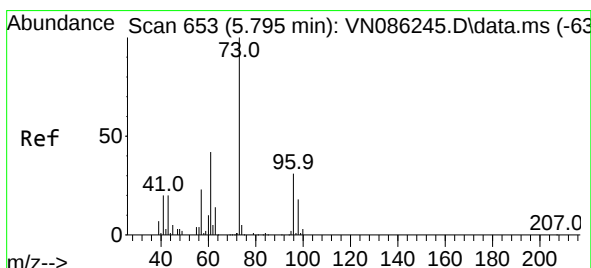
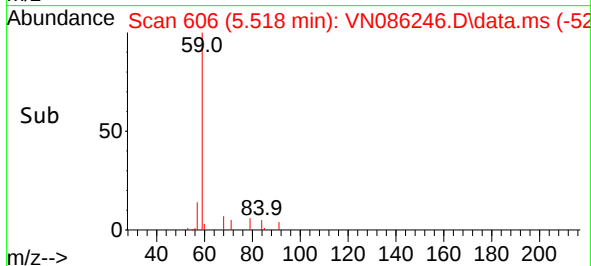
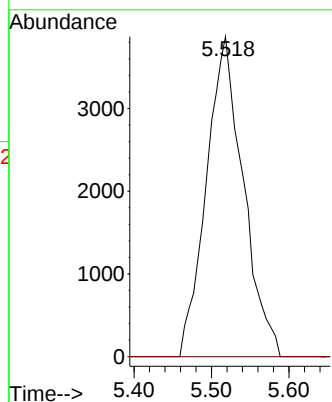
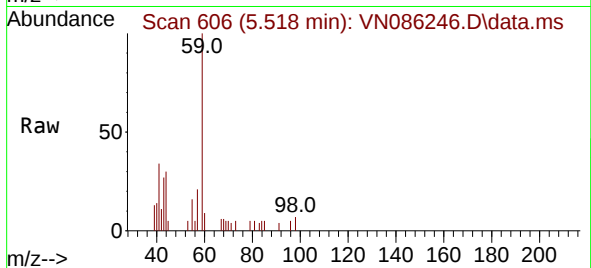
#23
tert-Butyl Alcohol
Concen: 25.247 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 1279
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

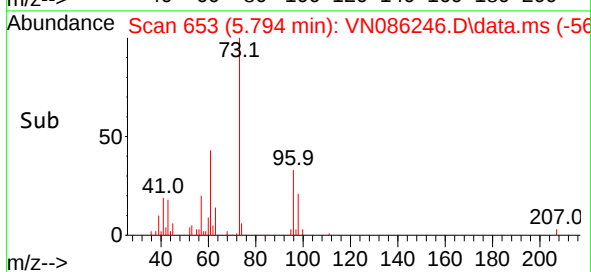
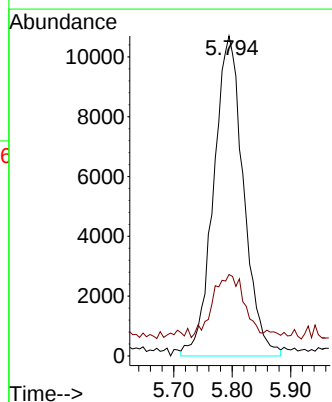
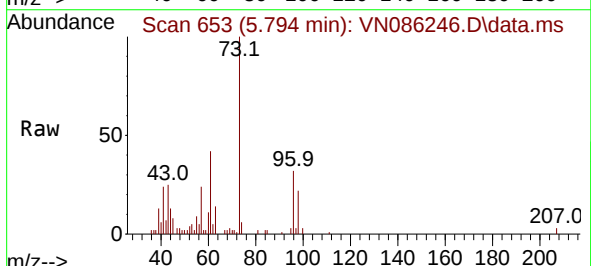
Manual Integrations
APPROVED

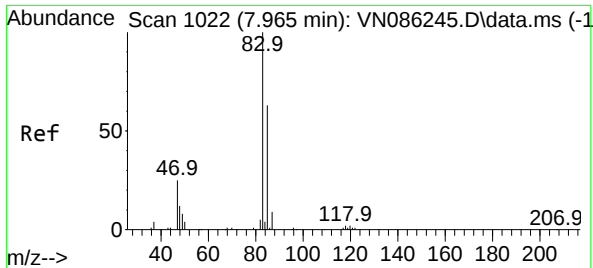
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#24
Methyl tert-Butyl Ether
Concen: 5.147 ug/l m
RT: 5.794 min Scan# 653
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

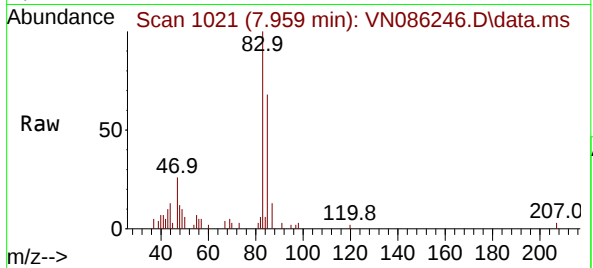
Tgt Ion: 73 Resp: 38035
Ion Ratio Lower Upper
73 100
43 0.1 16.8 25.2#





#25
Chloroform
Concen: 5.022 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

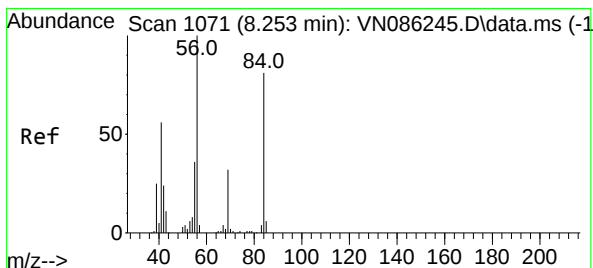
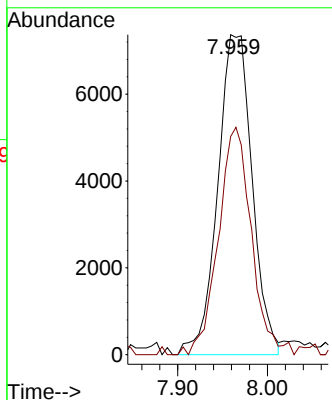
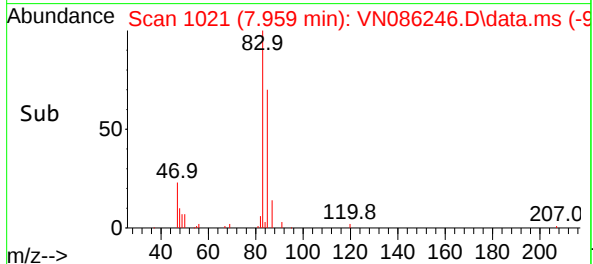
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



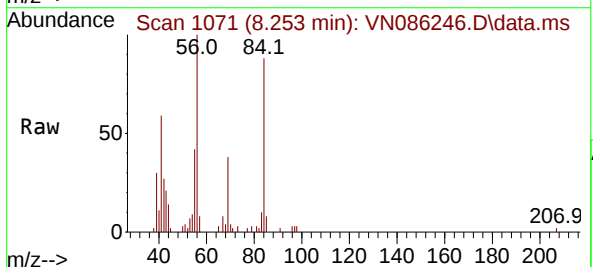
Tgt Ion: 83 Resp: 19640
Ion Ratio Lower Upper
83 100
85 68.2 50.5 75.7

Manual Integrations
APPROVED

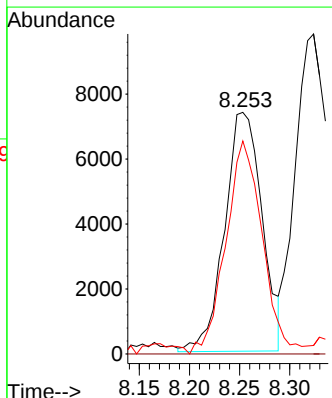
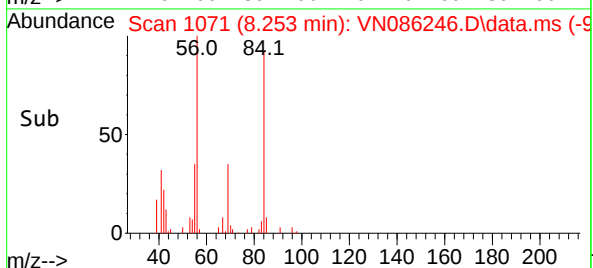
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

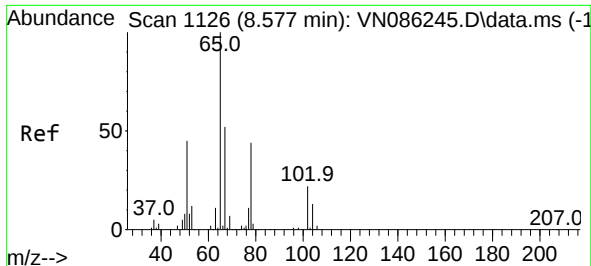


#26
Cyclohexane
Concen: 4.999 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40



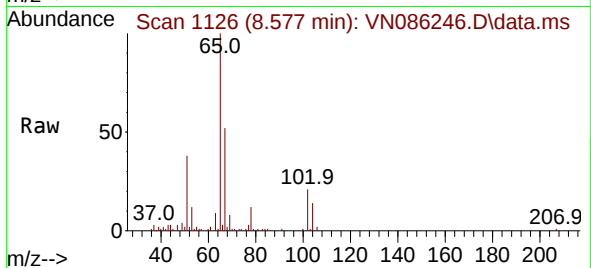
Tgt Ion: 56 Resp: 19181
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.6 69.0 103.4





#27
1,2-Dichloroethane-d4
Concen: 30.785 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

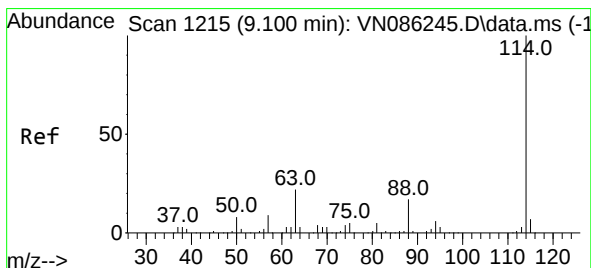
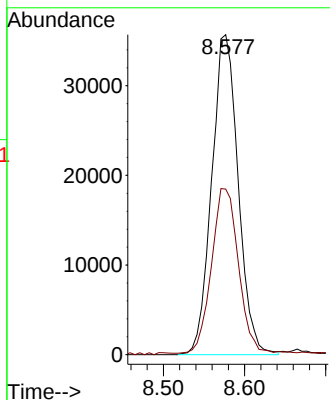
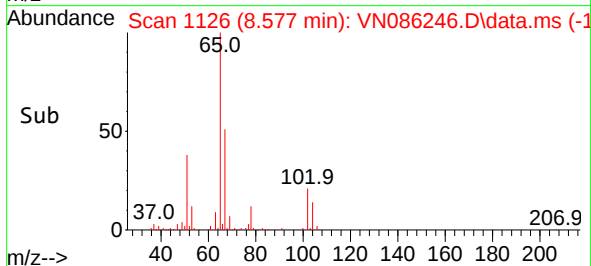
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



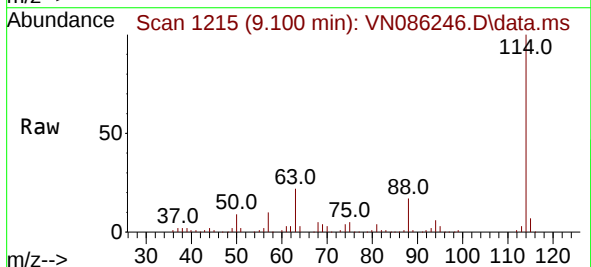
Tgt Ion: 65 Resp: 8088
Ion Ratio Lower Upper
65 100
67 52.0 43.4 65.2

Manual Integrations
APPROVED

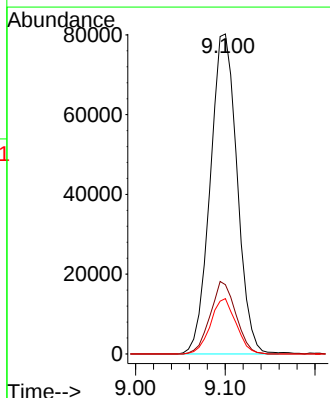
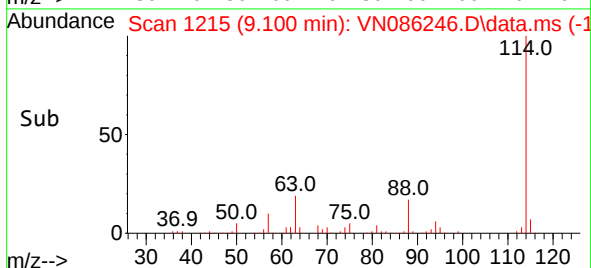
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

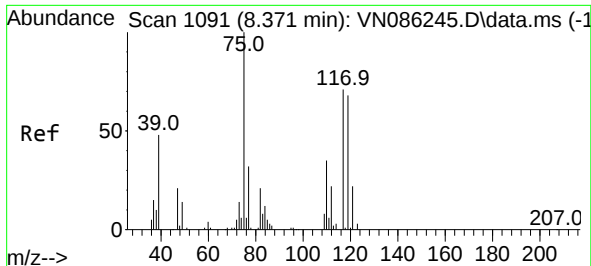


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40



Tgt Ion:114 Resp: 166827
Ion Ratio Lower Upper
114 100
63 21.5 17.8 26.6
88 16.4 13.4 20.2





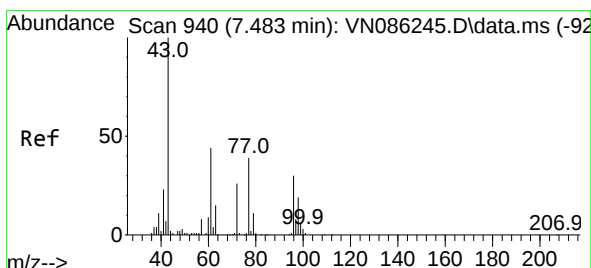
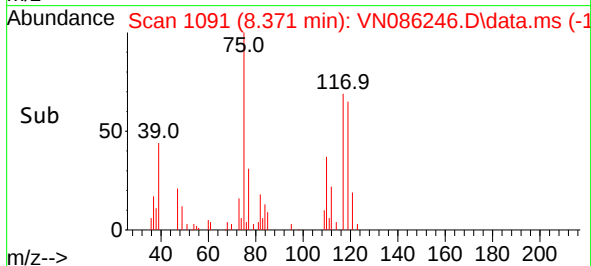
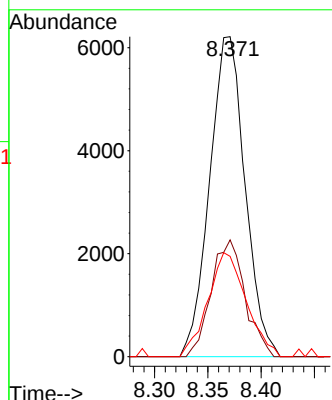
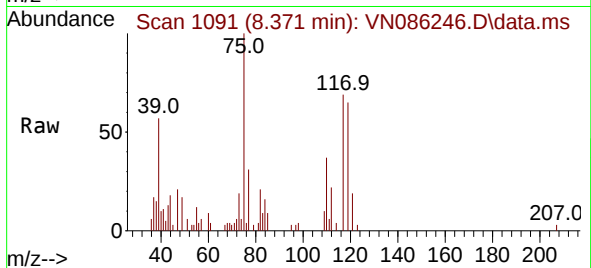
#29
1,1-Dichloropropene
Concen: 4.803 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 75 Resp: 1435
Ion Ratio Lower Upper
75 100
110 34.9 0.0 68.6
77 35.2 0.0 63.8

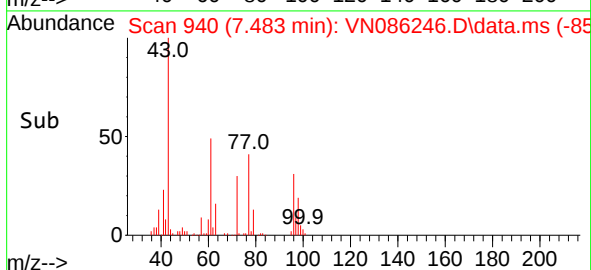
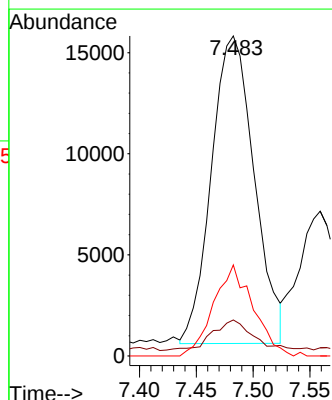
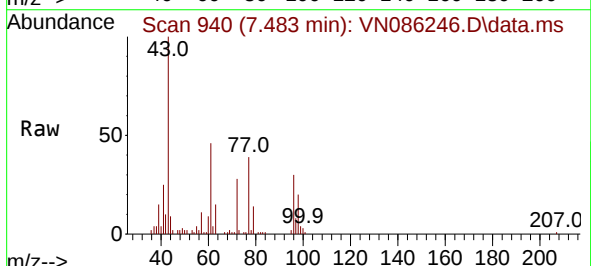
Manual Integrations
APPROVED

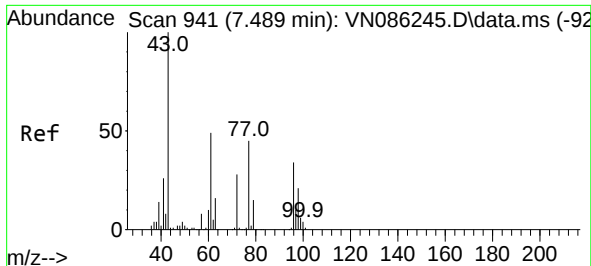
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#30
2-Butanone
Concen: 24.089 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion: 43 Resp: 39891
Ion Ratio Lower Upper
43 100
57 7.0 6.4 9.6
72 27.2 21.5 32.3





#31

2,2-Dichloropropane

Concen: 4.711 ug/l

RT: 7.483 min Scan# 941

Delta R.T. -0.006 min

Lab File: VN086246.D

Acq: 11 Apr 2025 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 77 Resp: 1733

Ion Ratio Lower Upper

77 100

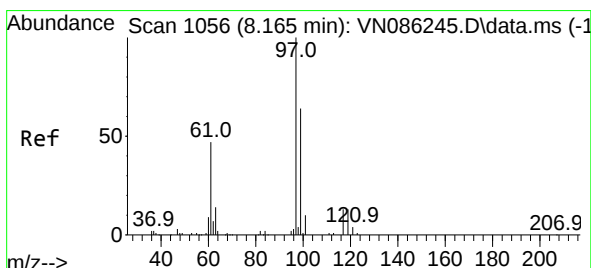
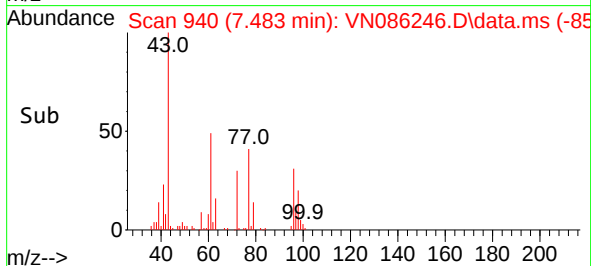
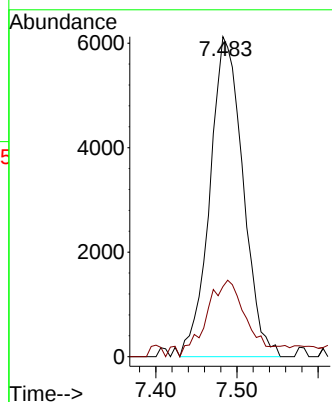
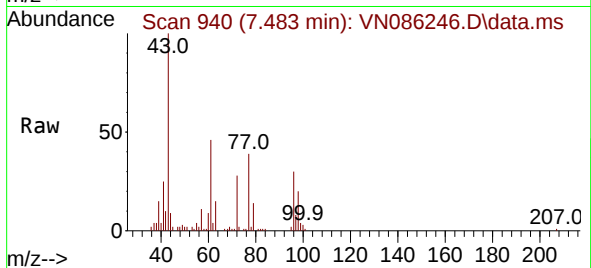
97 15.5 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#32

1,1,1-Trichloroethane

Concen: 5.024 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086246.D

Acq: 11 Apr 2025 12:40

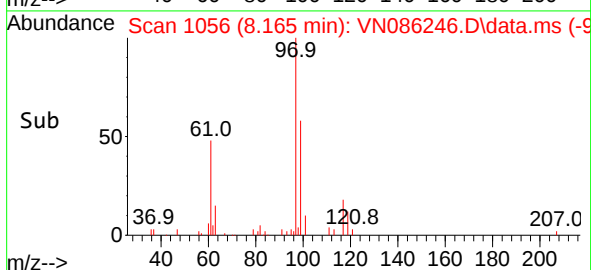
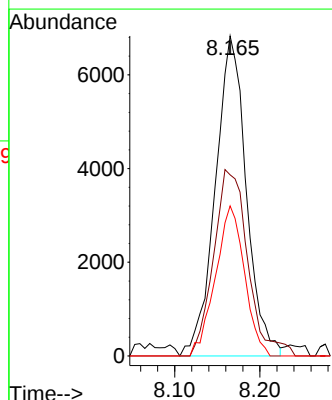
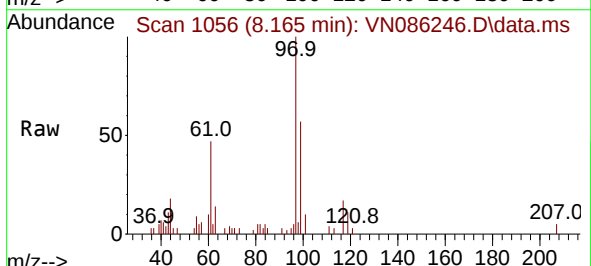
Tgt Ion: 97 Resp: 17271

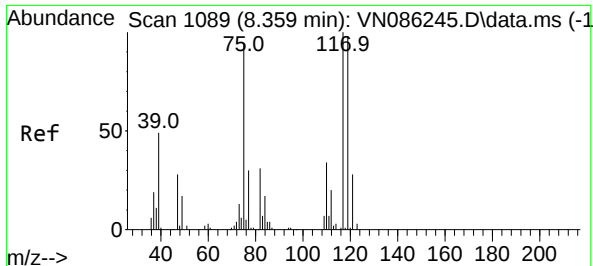
Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.2

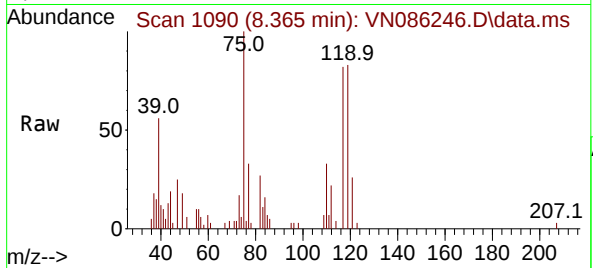
61 43.9 37.0 55.6





#33
Carbon Tetrachloride
Concen: 4.633 ug/l
RT: 8.365 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

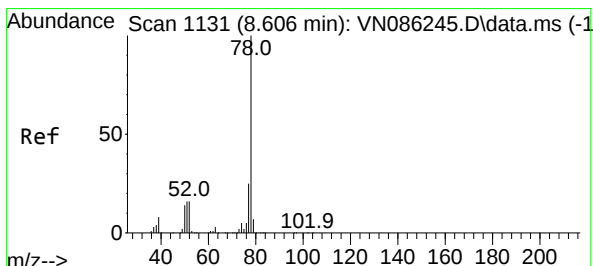
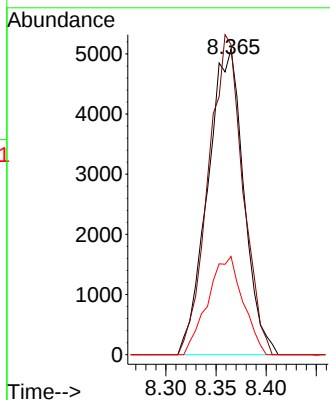
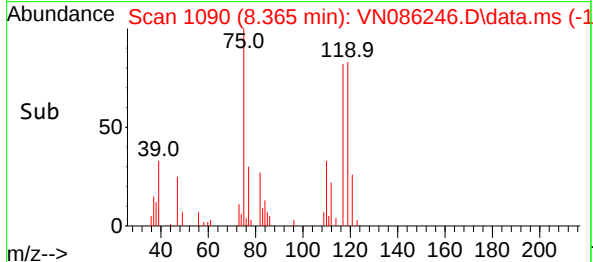
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 117 Resp: 1272
Ion Ratio Lower Upper
117 100
119 101.5 78.3 117.5
121 32.2 22.5 33.7

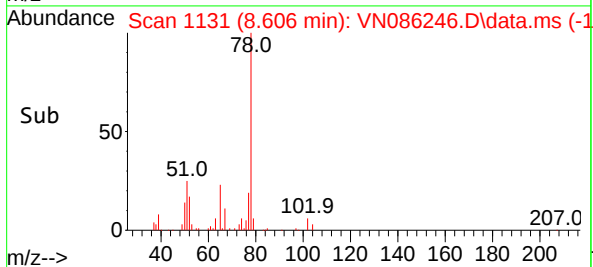
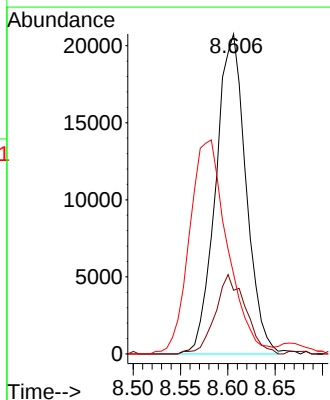
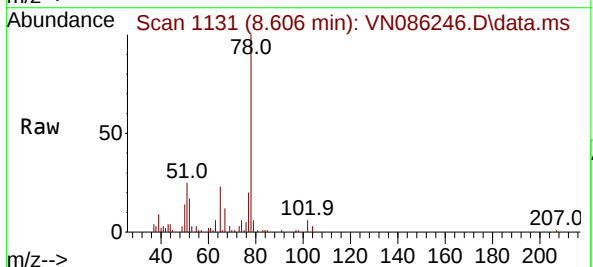
Manual Integrations
APPROVED

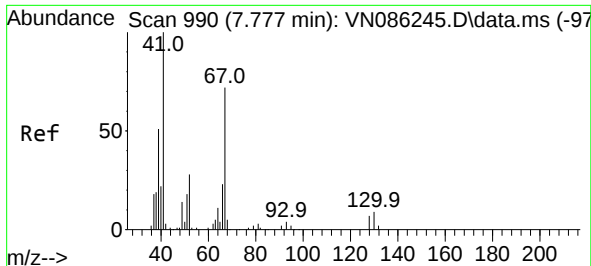
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#34
Benzene
Concen: 4.845 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion: 78 Resp: 46065
Ion Ratio Lower Upper
78 100
77 19.9 20.0 30.0#
51 22.7 12.9 19.3#





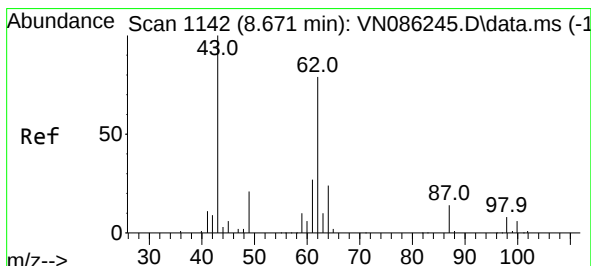
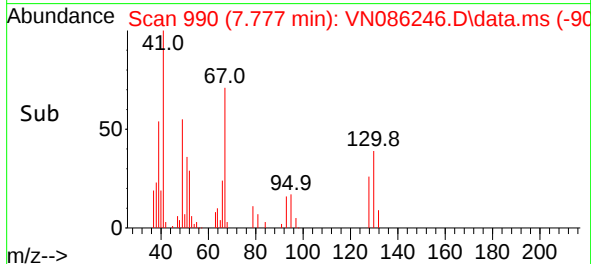
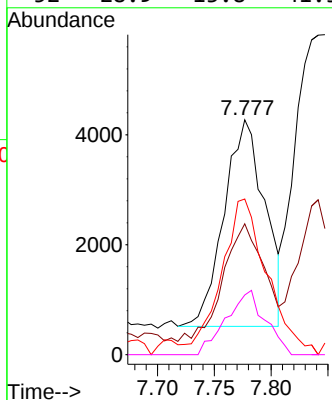
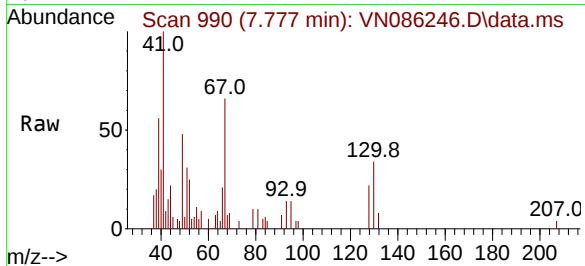
#35
Methacrylonitrile
Concen: 5.037 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	940
Ion Ratio	Lower	Upper	
41	100		
39	57.0	25.8	77.3
67	70.6	36.0	108.0
52	28.9	13.8	41.3

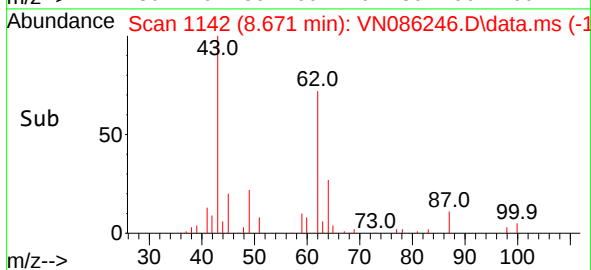
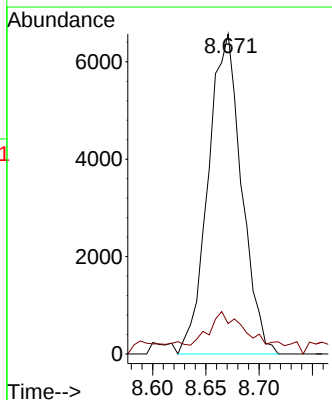
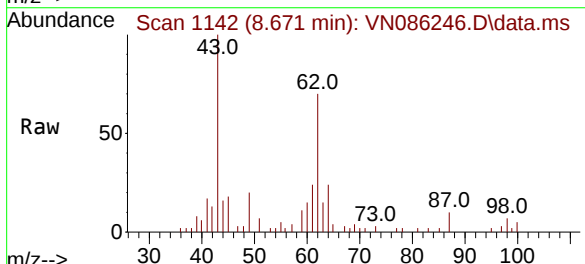
Manual Integrations
APPROVED

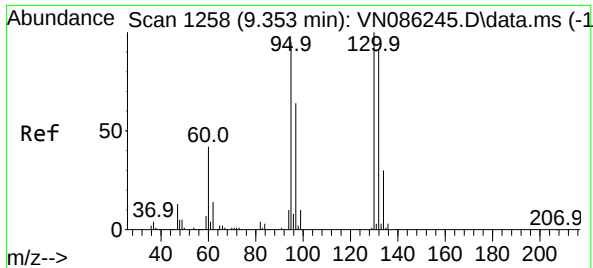
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#36
1,2-Dichloroethane
Concen: 4.823 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

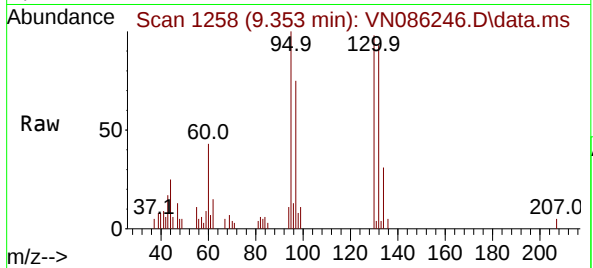
Tgt Ion:	62	Resp:	14350
Ion Ratio	Lower	Upper	
62	100		
98	5.6	8.6	12.8





#37
Trichloroethene
Concen: 4.697 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

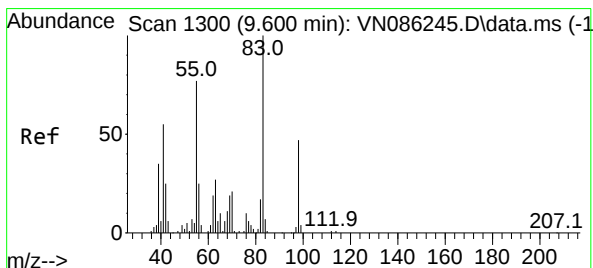
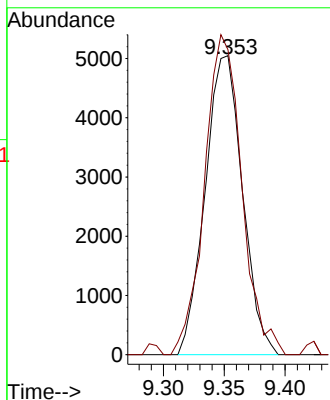
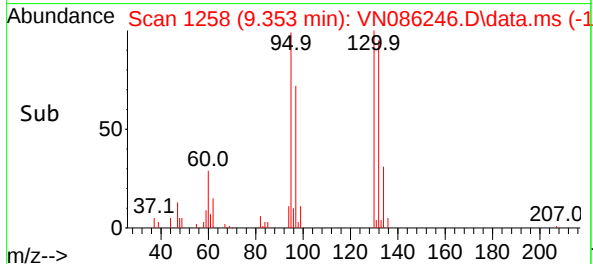
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



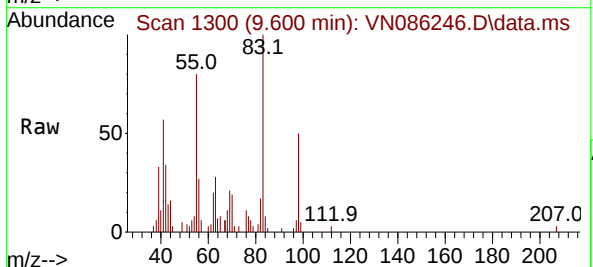
Tgt Ion:130 Resp: 10774
Ion Ratio Lower Upper
130 100
95 98.0 76.4 114.6

Manual Integrations
APPROVED

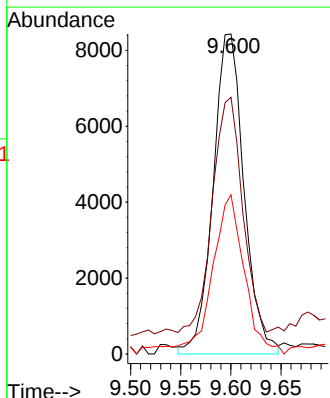
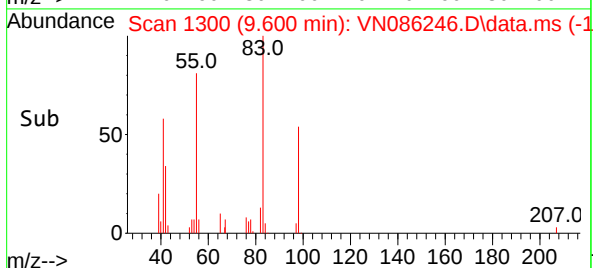
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

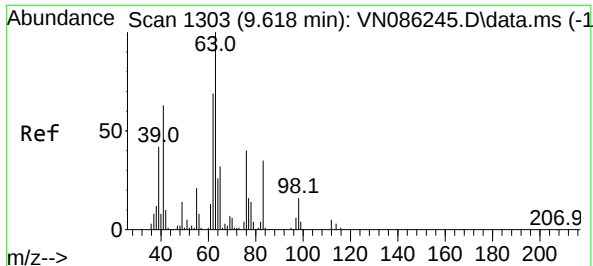


#38
Methylcyclohexane
Concen: 4.929 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40



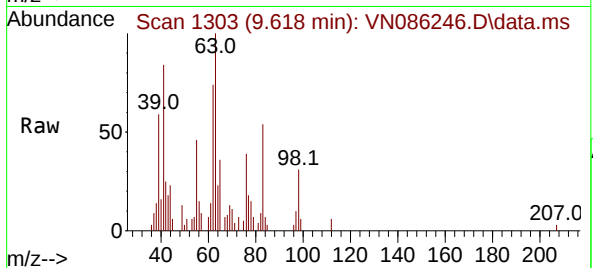
Tgt Ion: 83 Resp: 18064
Ion Ratio Lower Upper
83 100
55 74.6 38.5 115.5
98 50.9 24.4 73.2





#39
1,2-Dichloropropane
Concen: 4.735 ug/l
RT: 9.618 min Scan# 1120
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

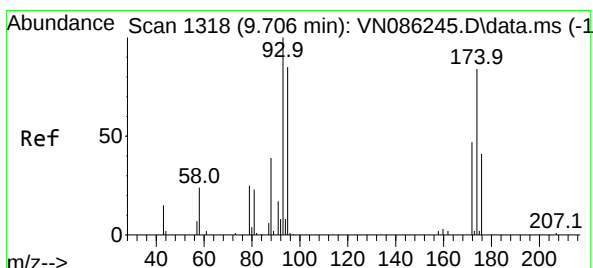
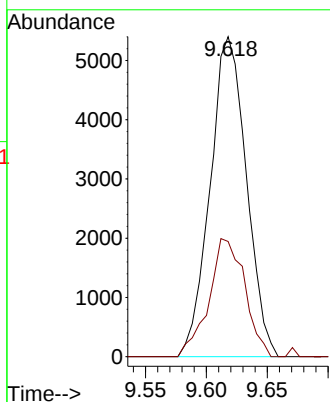
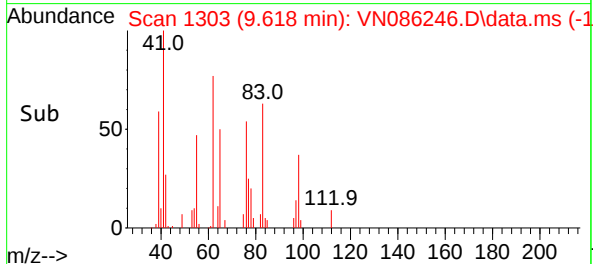
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 63 Resp: 1120
Ion Ratio Lower Upper
63 100
65 36.0 26.0 39.0

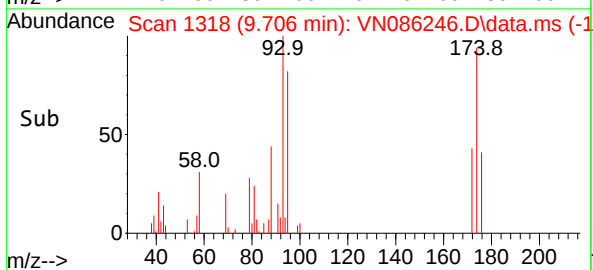
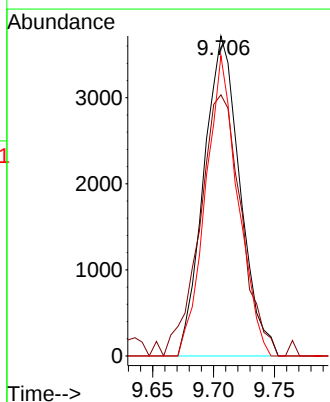
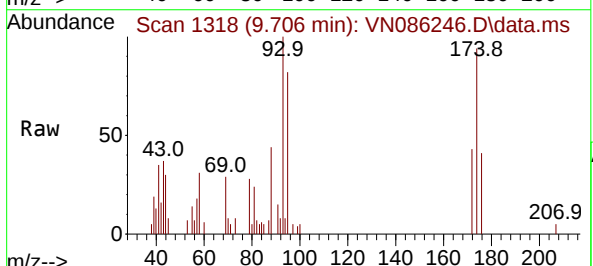
Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#40
Dibromomethane
Concen: 5.042 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

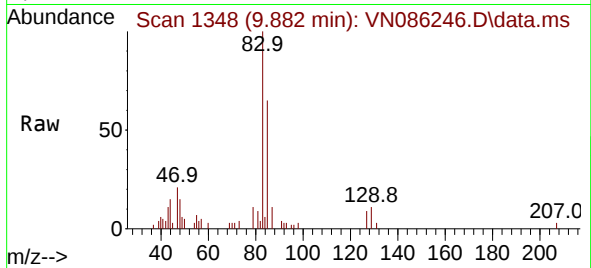
Tgt Ion: 93 Resp: 7704
Ion Ratio Lower Upper
93 100
95 93.0 0.0 169.0
174 83.9 0.0 168.0





#41
Bromodichloromethane
Concen: 5.109 ug/l
RT: 9.882 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

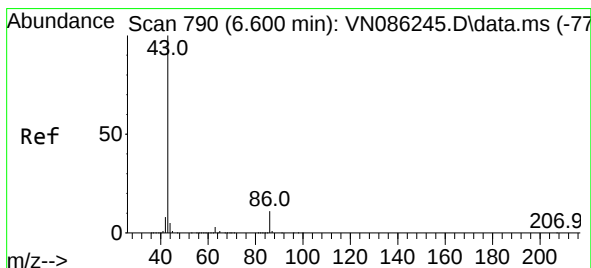
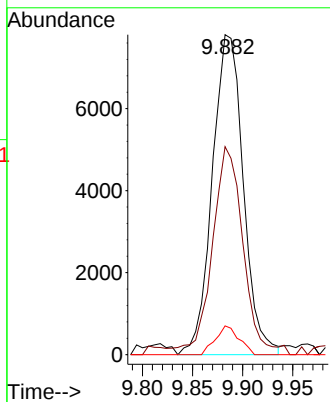
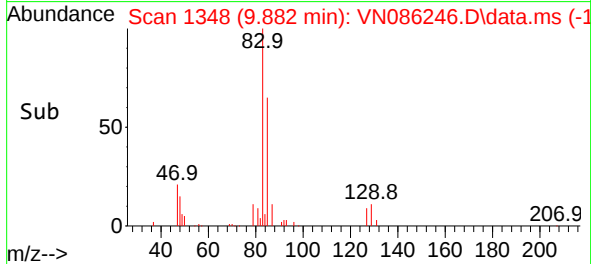
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 83 Resp: 16772
Ion Ratio Lower Upper
83 100
85 62.7 50.2 75.2
127 9.0 6.2 9.4

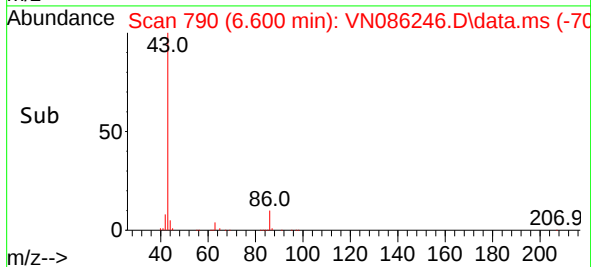
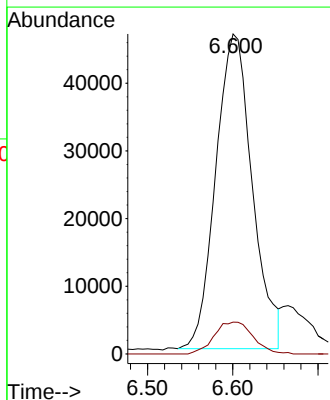
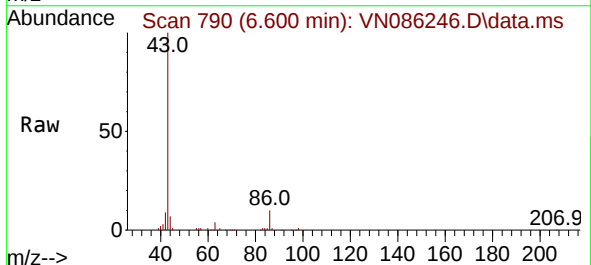
Manual Integrations
APPROVED

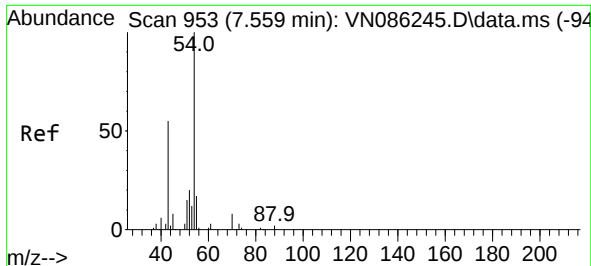
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#42
Vinyl Acetate
Concen: 24.613 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion: 43 Resp: 138739
Ion Ratio Lower Upper
43 100
86 10.7 8.4 12.6





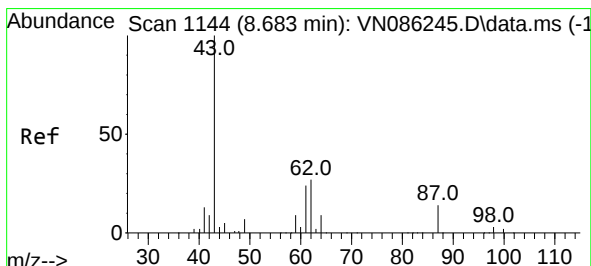
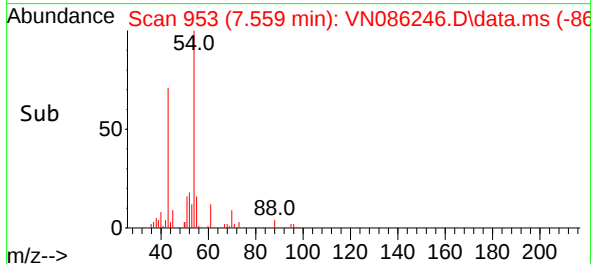
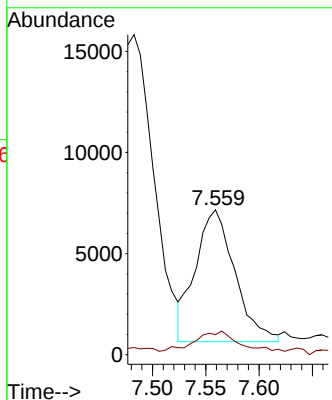
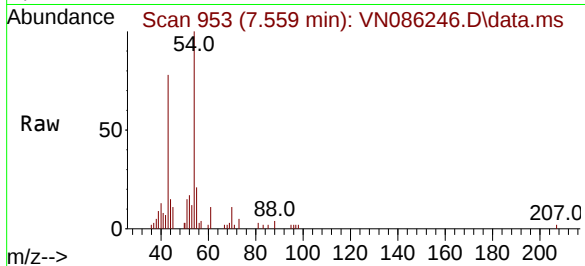
#43
Ethyl Acetate
Concen: 5.045 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 16850
Ion Ratio Lower Upper
43 100
45 5.4 11.2 16.8

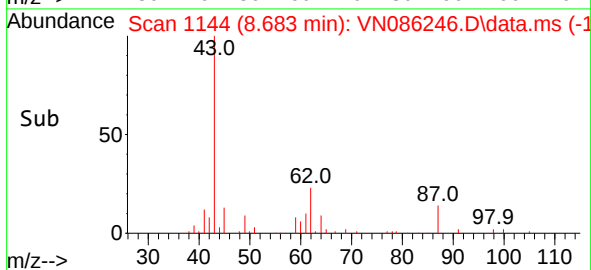
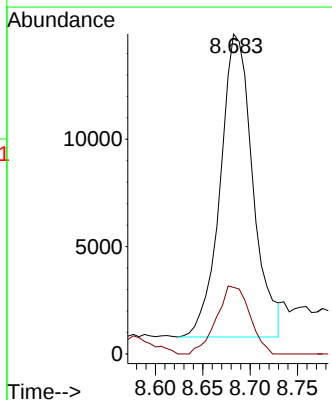
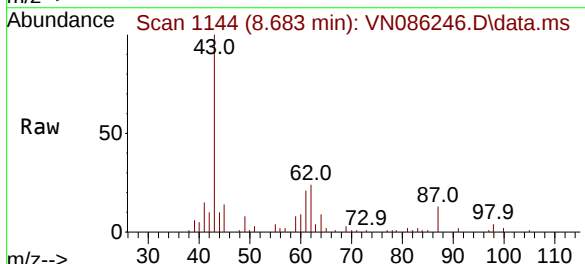
Manual Integrations
APPROVED

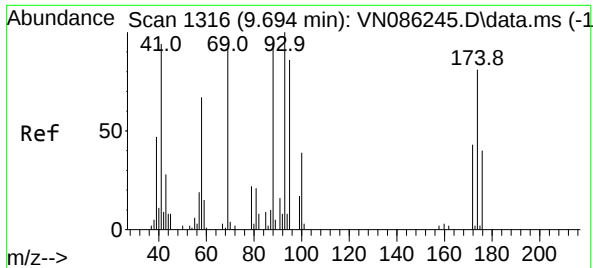
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#44
Isopropyl Acetate
Concen: 5.463 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion: 43 Resp: 33849
Ion Ratio Lower Upper
43 100
61 22.8 20.5 30.7





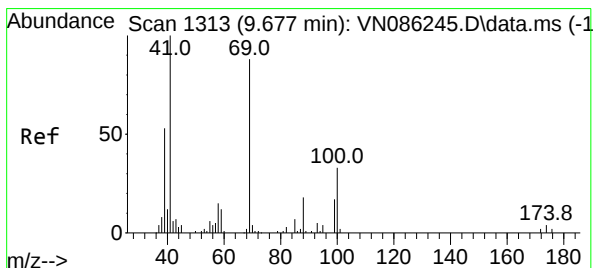
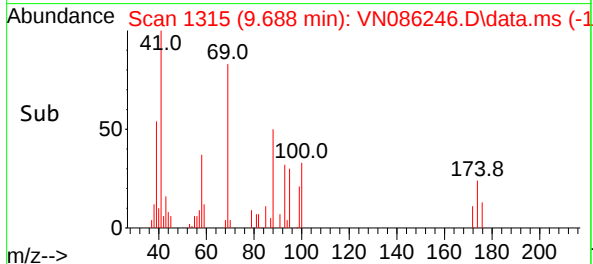
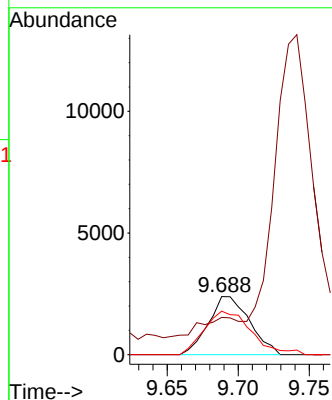
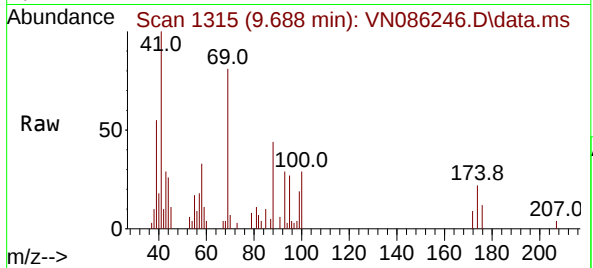
#45
1,4-Dioxane
Concen: 97.983 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. -0.006 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 4828
Ion Ratio Lower Upper
88 100
43 5.9 14.4 21.6
58 84.2 59.8 89.8

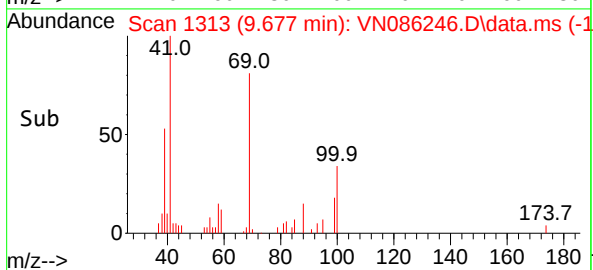
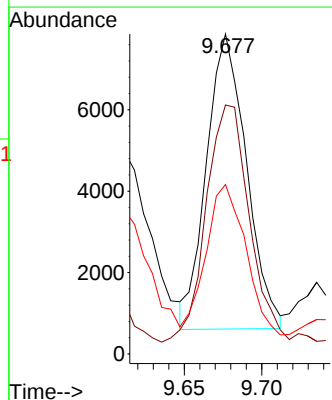
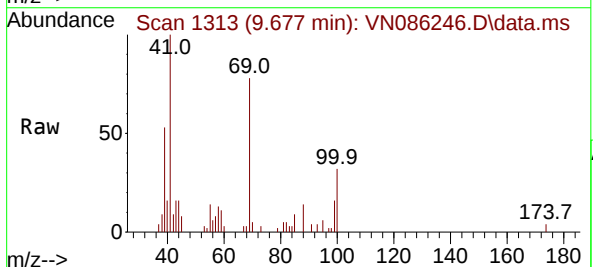
Manual Integrations
APPROVED

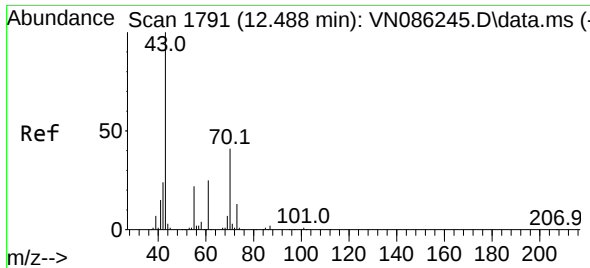
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#46
Methyl methacrylate
Concen: 4.759 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

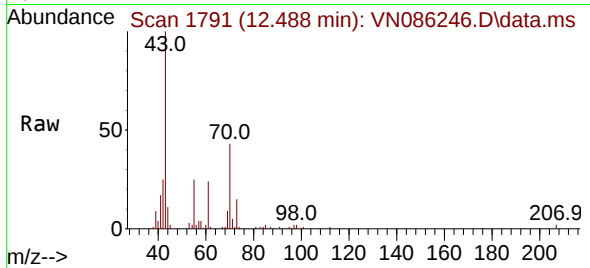
Tgt Ion: 41 Resp: 12994
Ion Ratio Lower Upper
41 100
69 79.8 43.2 129.6
39 53.4 26.4 79.0





#47
n-amy1 Acetate
Concen: 4.860 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

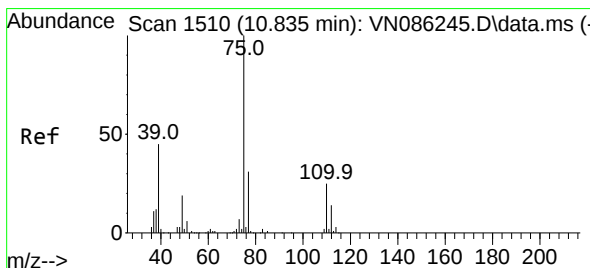
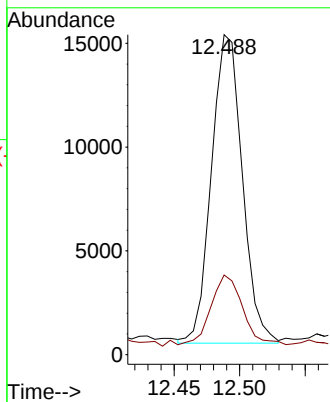
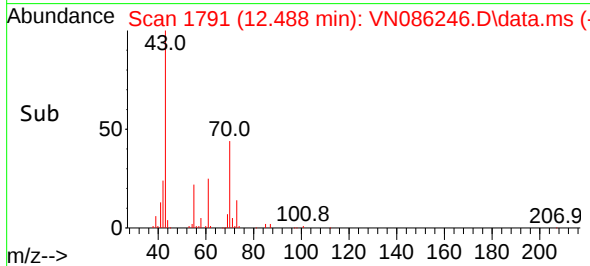
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 24334
Ion Ratio Lower Upper
43 100
55 22.9 19.0 28.4

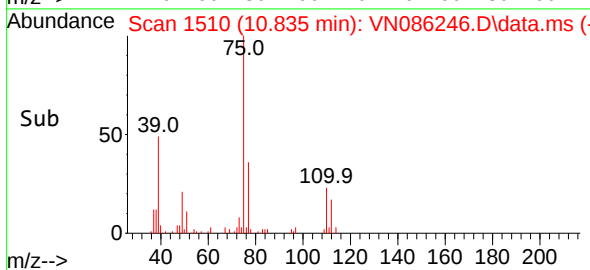
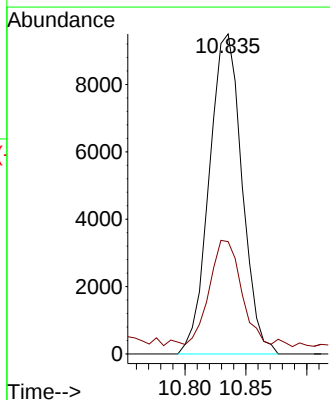
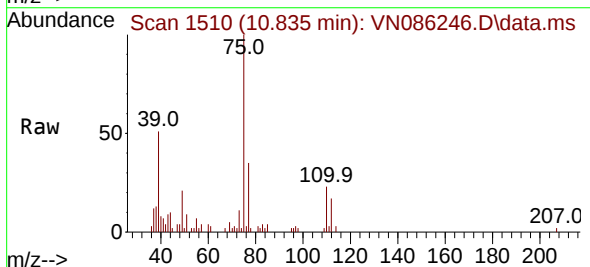
Manual Integrations
APPROVED

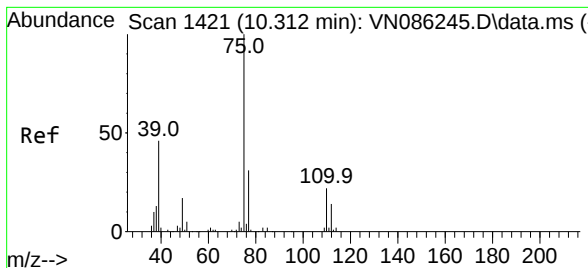
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#48
t-1,3-Dichloropropene
Concen: 4.801 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

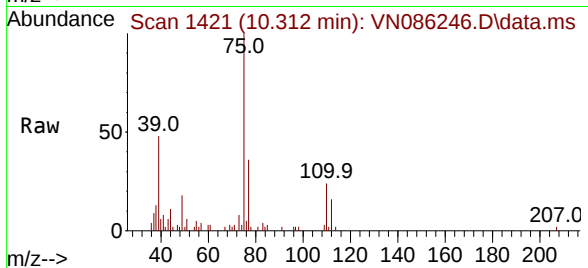
Tgt Ion: 75 Resp: 17815
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7





#49
 cis-1,3-Dichloropropene
 Concen: 4.740 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. -0.000 min
 Lab File: VN086246.D
 Acq: 11 Apr 2025 12:40

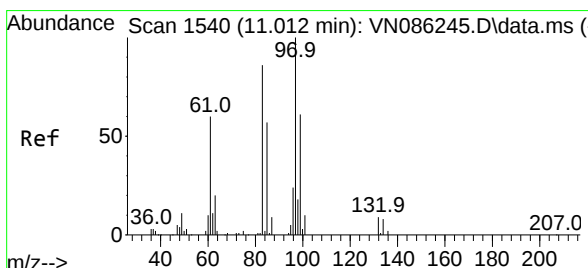
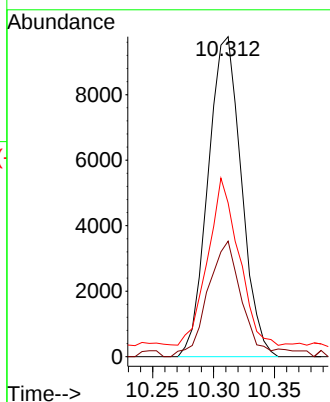
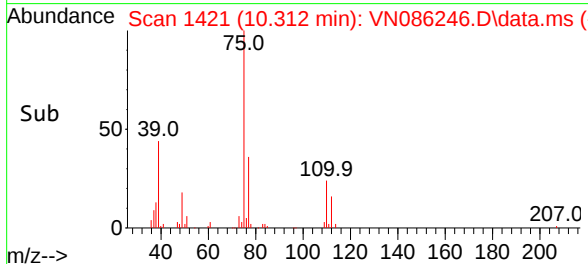
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005



Tgt Ion: 75 Resp: 18610
 Ion Ratio Lower Upper
 75 100
 77 34.4 25.0 37.4
 39 44.5 36.7 55.1

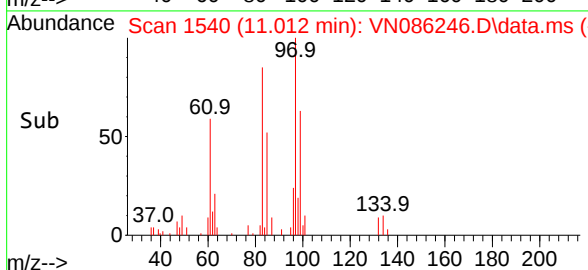
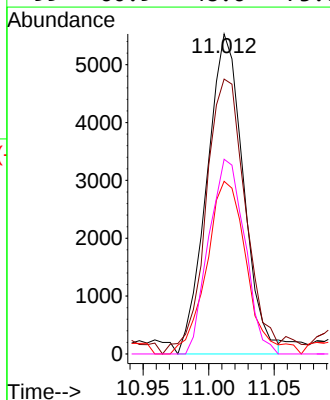
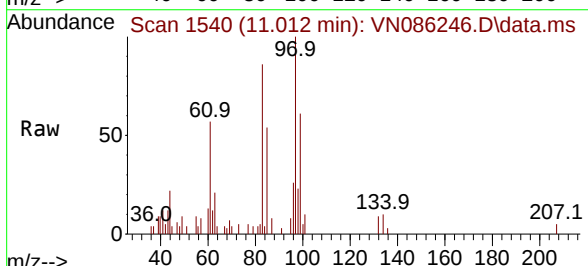
Manual Integrations
 APPROVED

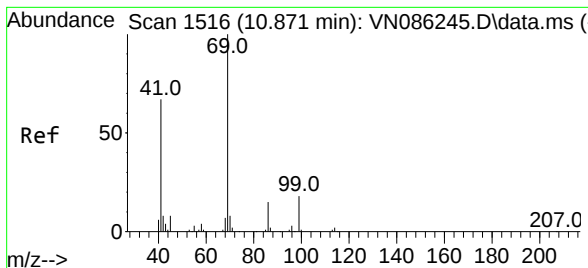
Reviewed By :John Carlone 04/14/2025
 Supervised By :Mahesh Dadoda 04/14/2025



#50
 1,1,2-Trichloroethane
 Concen: 4.997 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. -0.000 min
 Lab File: VN086246.D
 Acq: 11 Apr 2025 12:40

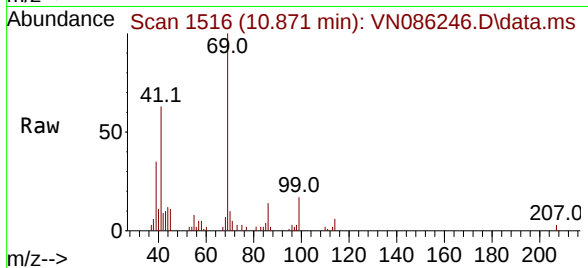
Tgt Ion: 97 Resp: 10709
 Ion Ratio Lower Upper
 97 100
 83 82.8 68.6 103.0
 85 51.2 45.9 68.9
 99 60.9 48.6 73.0





#51
Ethyl methacrylate
Concen: 4.890 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

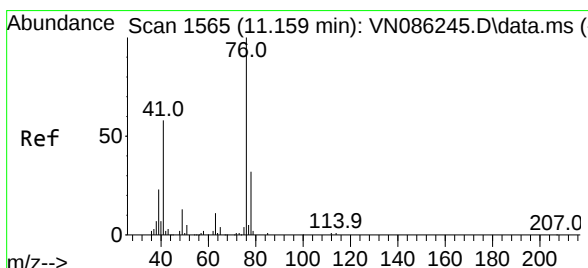
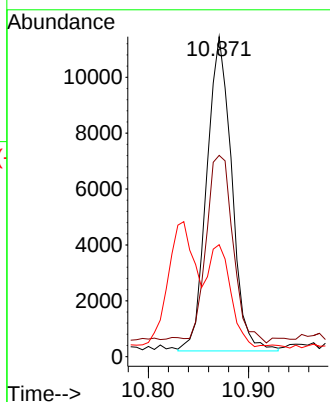
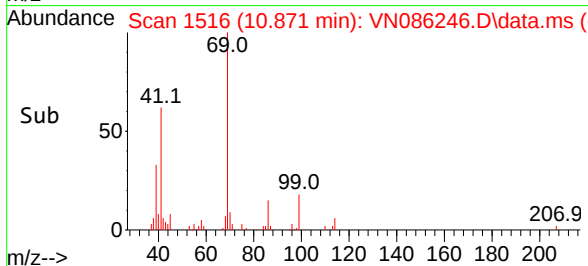
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 69 Resp: 1947
Ion Ratio Lower Upper
69 100
41 58.5 33.6 100.6
39 32.2 17.8 53.4

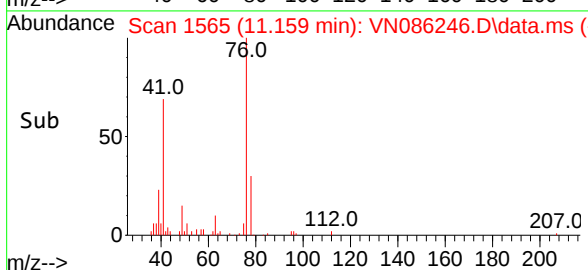
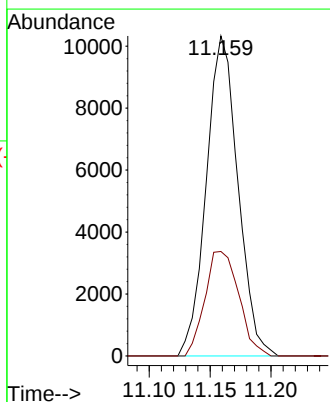
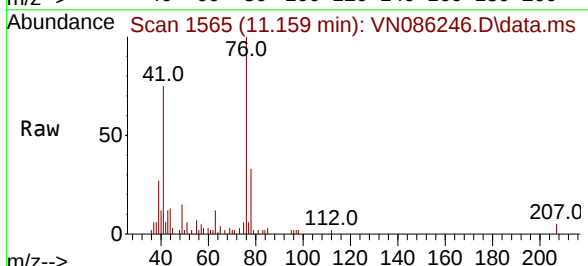
Manual Integrations
APPROVED

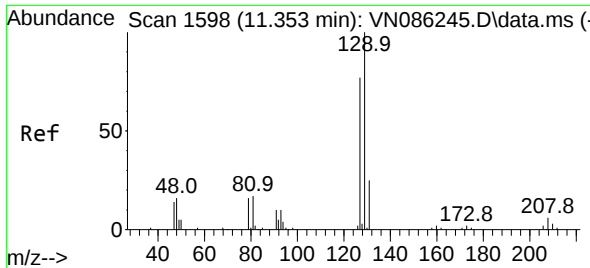
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#52
1,3-Dichloropropane
Concen: 4.887 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

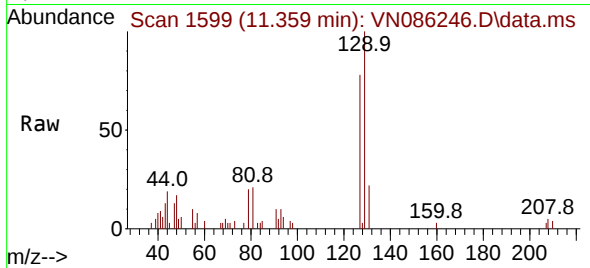
Tgt Ion: 76 Resp: 18666
Ion Ratio Lower Upper
76 100
78 35.0 0.0 64.6





#53
Dibromochloromethane
Concen: 4.813 ug/l
RT: 11.359 min Scan# 1159
Delta R.T. 0.006 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

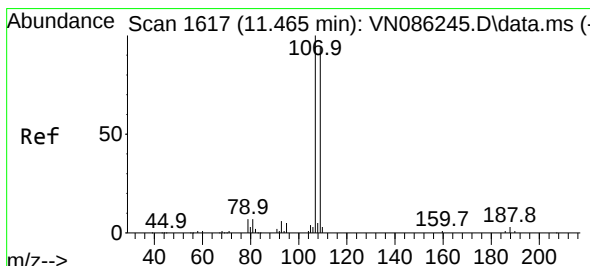
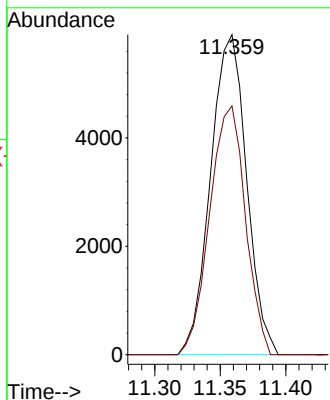
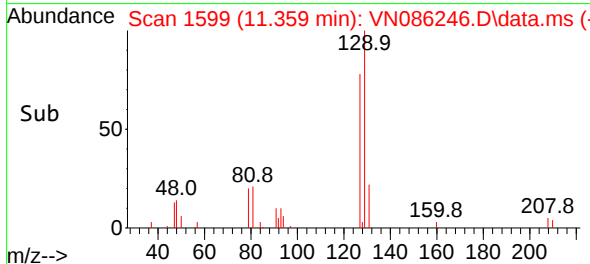
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



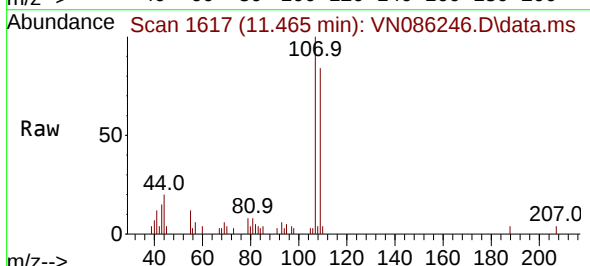
Tgt Ion:129 Resp: 1128
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5

Manual Integrations
APPROVED

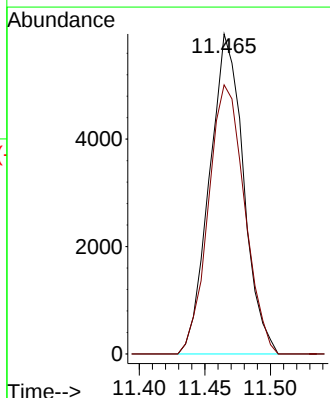
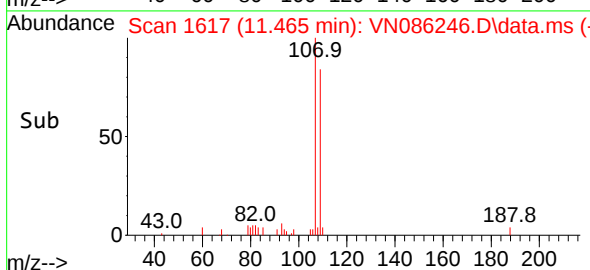
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

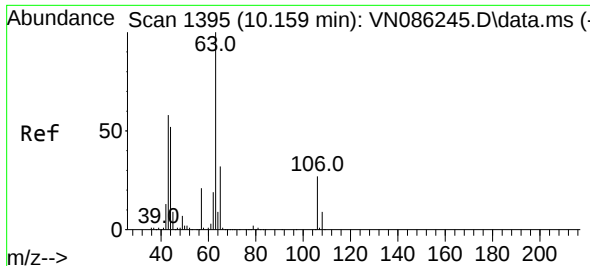


#54
1,2-Dibromoethane
Concen: 4.965 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40



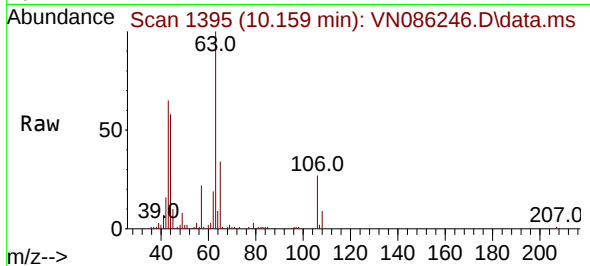
Tgt Ion:107 Resp: 10742
Ion Ratio Lower Upper
107 100
109 89.5 75.2 112.8





#55
2-Chloroethyl vinyl ether
Concen: 29.389 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

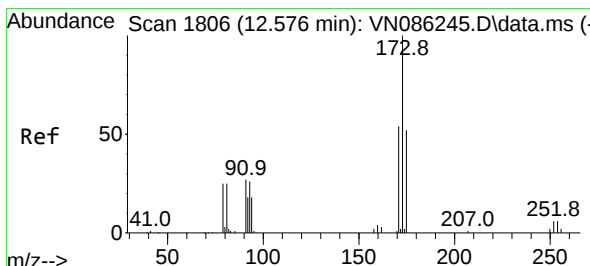
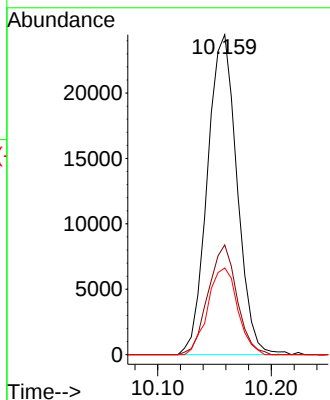
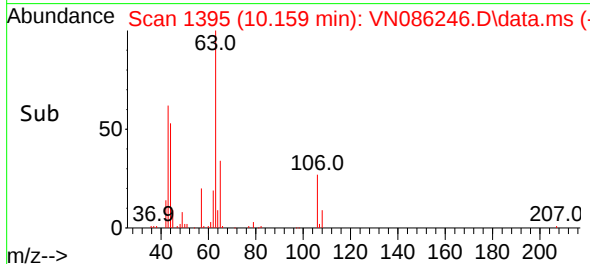
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 63 Resp: 44228
Ion Ratio Lower Upper
63 100
65 33.2 25.8 38.8
106 27.4 21.8 32.8

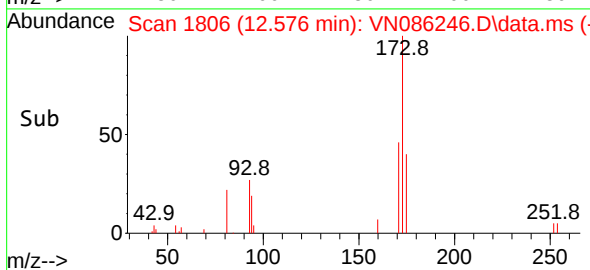
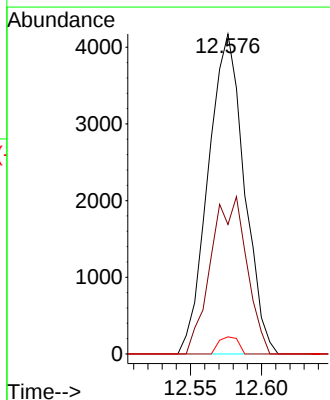
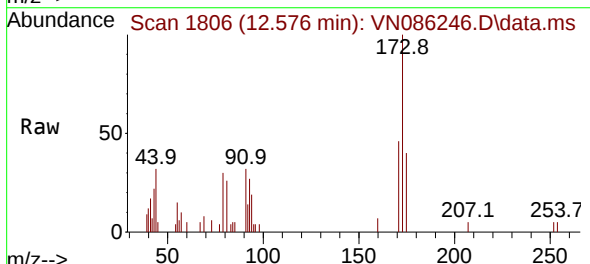
Manual Integrations
APPROVED

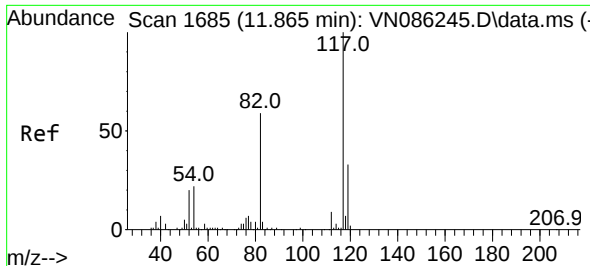
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#56
Bromoform
Concen: 4.804 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

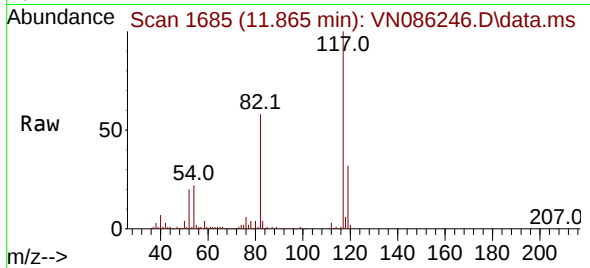
Tgt Ion:173 Resp: 7367
Ion Ratio Lower Upper
173 100
175 48.9 38.2 57.4
254 2.9 4.5 6.7#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

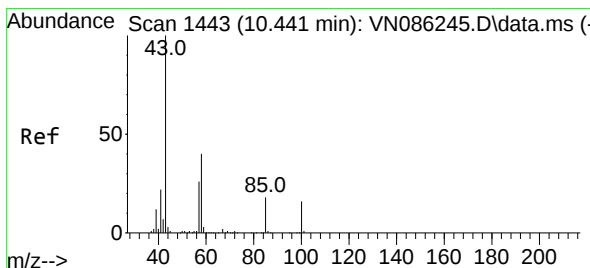
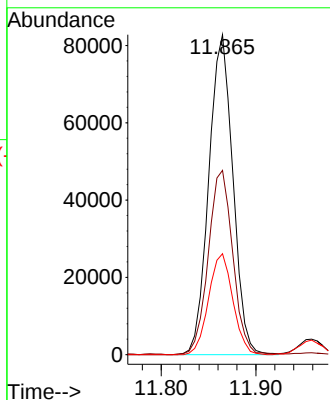
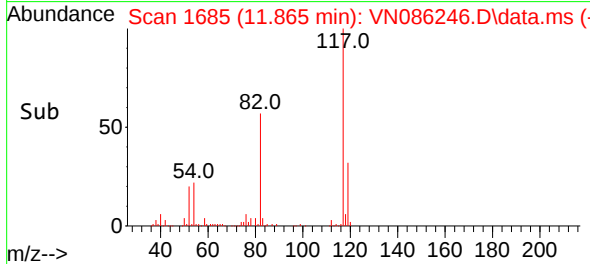
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 117 Resp: 14654
Ion Ratio Lower Upper
117 100
82 58.4 47.3 70.9
119 31.8 25.9 38.9

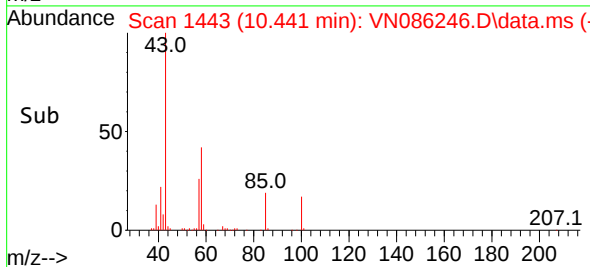
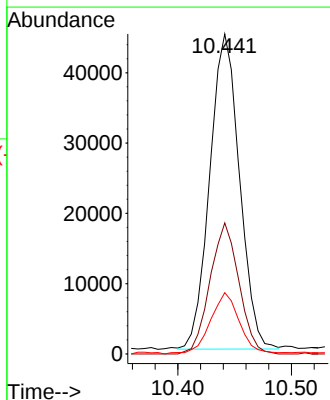
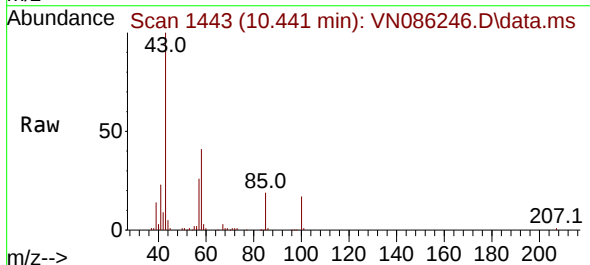
Manual Integrations
APPROVED

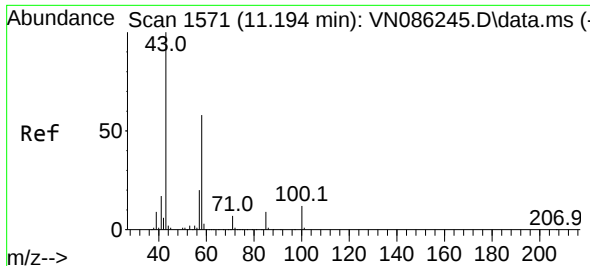
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#58
4-Methyl-2-Pentanone
Concen: 24.511 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

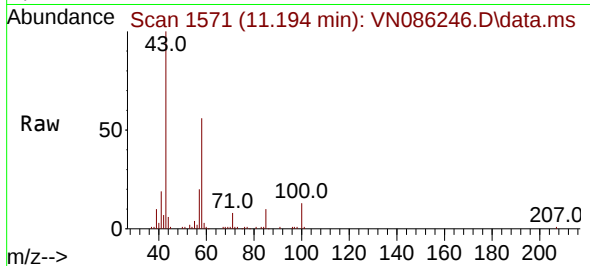
Tgt Ion: 43 Resp: 81510
Ion Ratio Lower Upper
43 100
58 40.4 32.5 48.7
85 18.8 14.4 21.6





#59
2-Hexanone
Concen: 24.465 ug/l
RT: 11.194 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

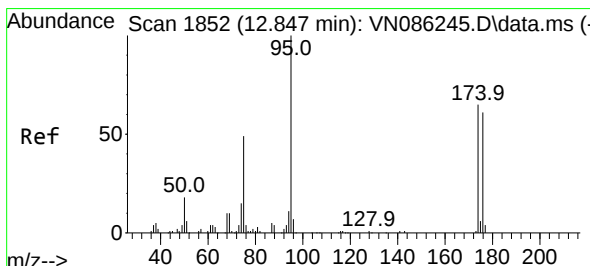
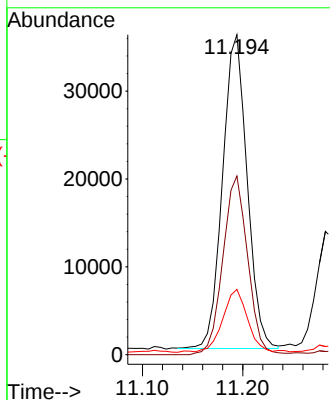
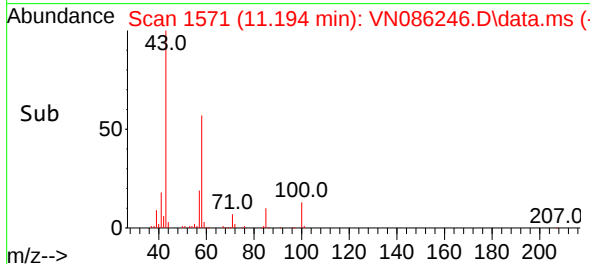
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 60580
Ion Ratio Lower Upper
43 100
58 57.5 45.3 67.9
57 19.9 15.8 23.6

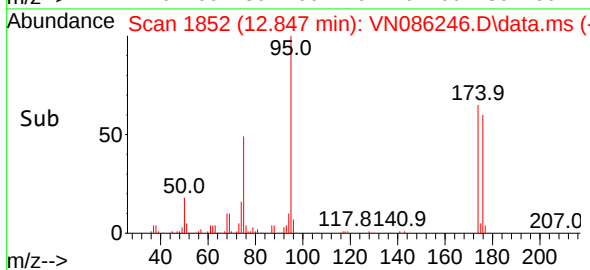
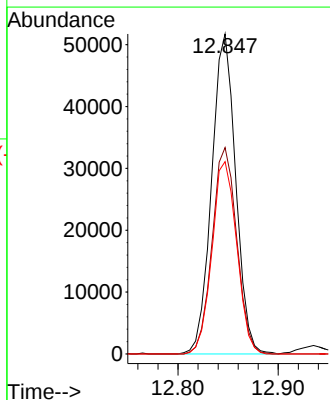
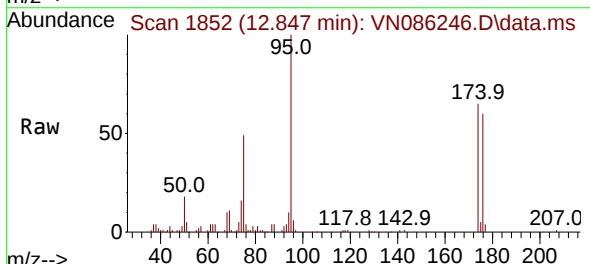
Manual Integrations
APPROVED

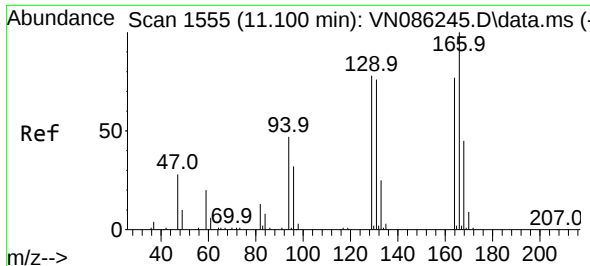
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#60
4-Bromofluorobenzene
Concen: 29.576 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

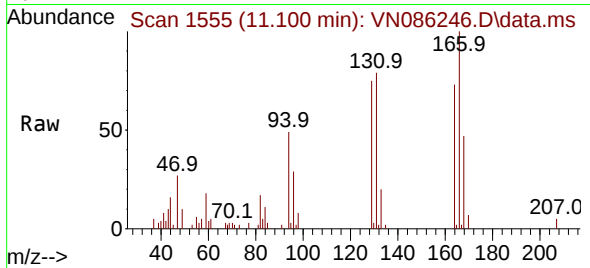
Tgt Ion: 95 Resp: 86291
Ion Ratio Lower Upper
95 100
174 66.1 52.7 79.1
176 61.8 49.8 74.8





#61
Tetrachloroethene
Concen: 4.683 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

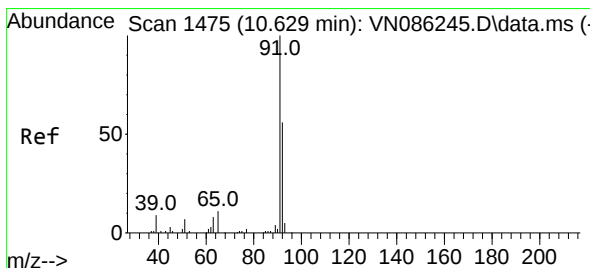
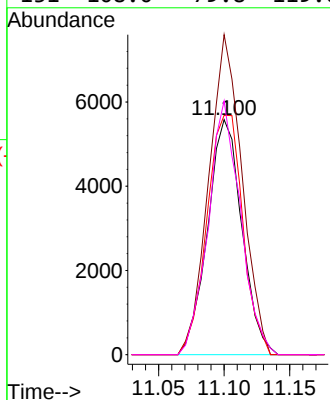
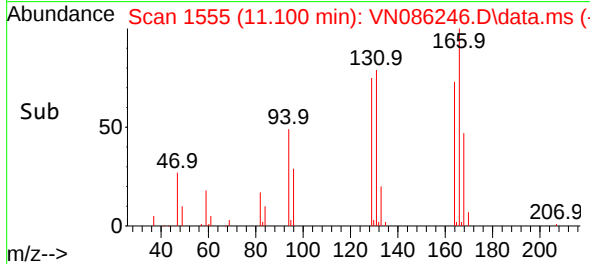
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:164 Resp: 1013
Ion Ratio Lower Upper
164 100
166 136.2 104.5 156.7
129 101.9 81.7 122.5
131 108.0 79.8 119.6

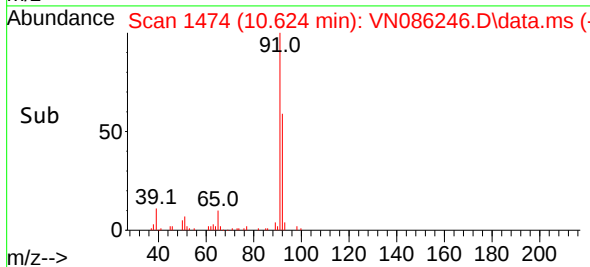
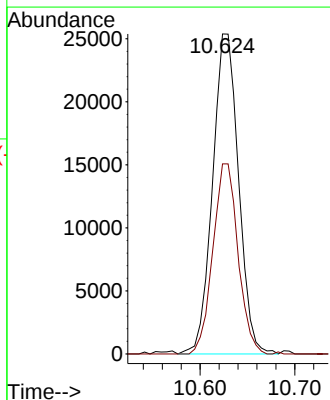
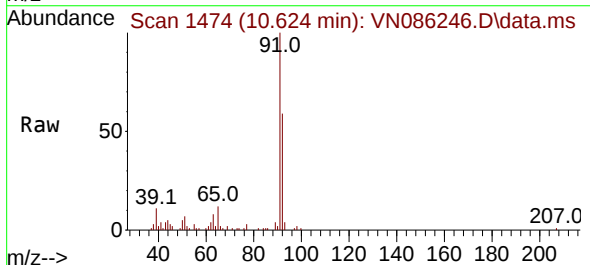
Manual Integrations
APPROVED

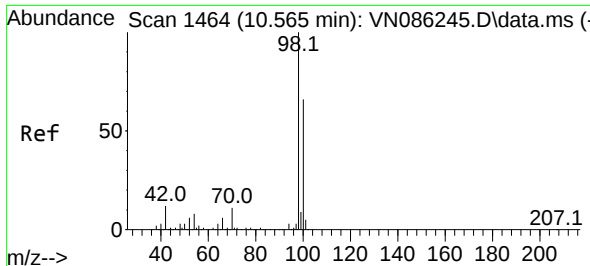
Reviewed By :John Carbone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#62
Toluene
Concen: 4.923 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

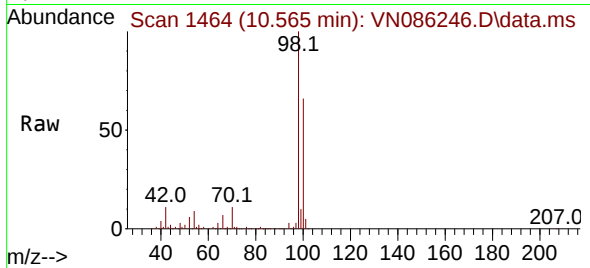
Tgt Ion: 91 Resp: 48384
Ion Ratio Lower Upper
91 100
92 57.5 46.8 70.2





#63
Toluene-d8
Concen: 30.283 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

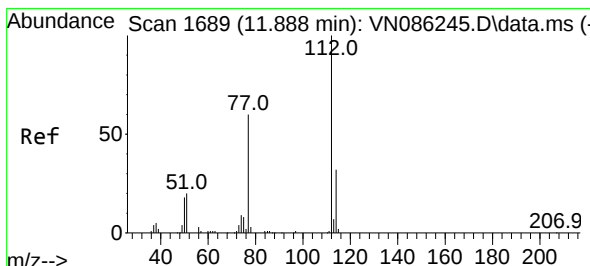
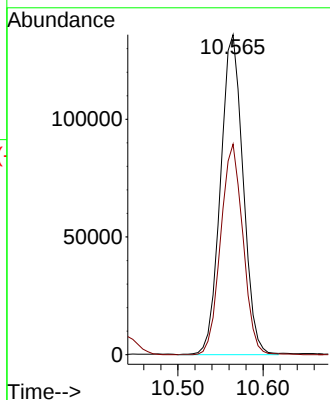
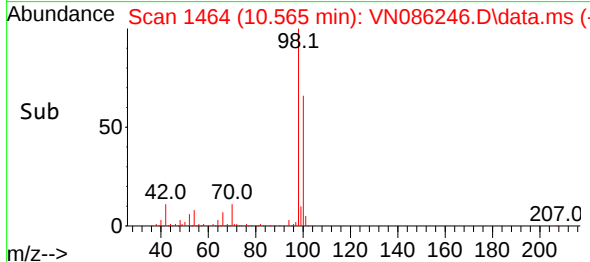
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 98 Resp: 25053
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5

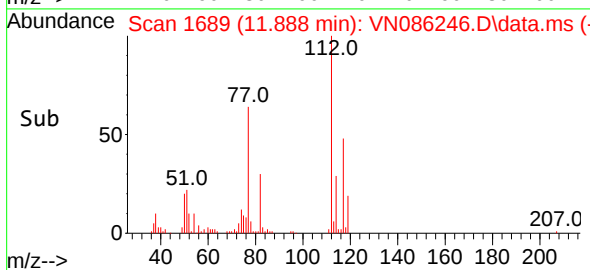
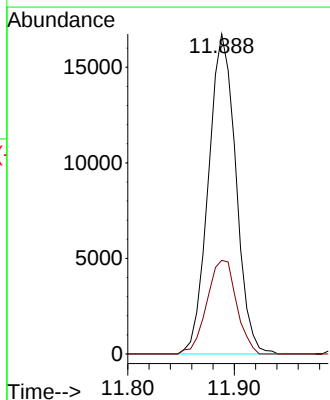
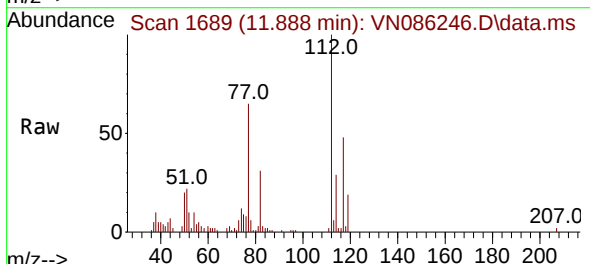
Manual Integrations
APPROVED

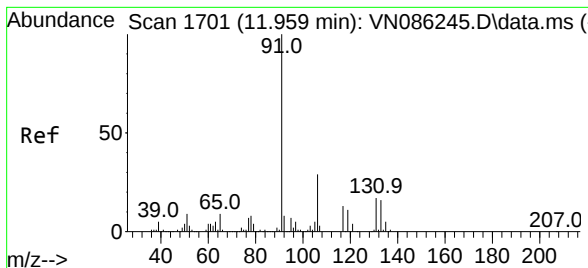
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#64
Chlorobenzene
Concen: 4.980 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion:112 Resp: 29905
Ion Ratio Lower Upper
112 100
114 29.3 25.8 38.6





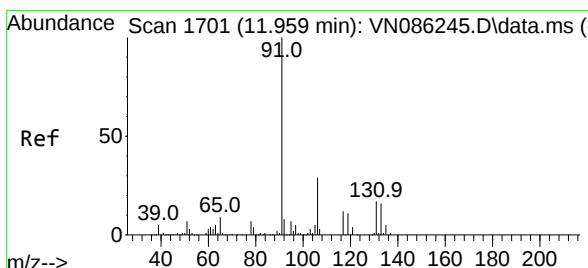
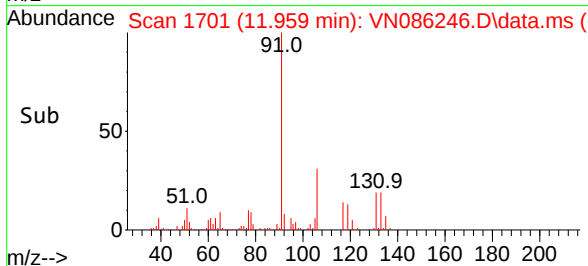
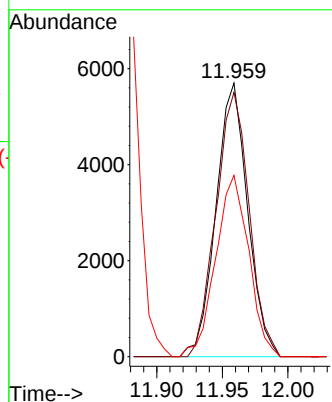
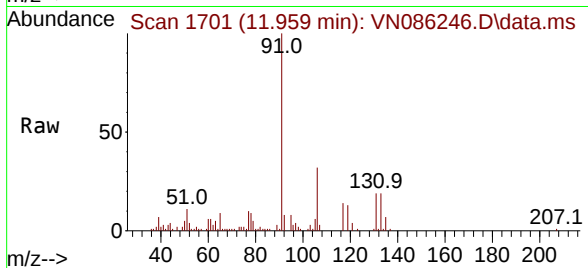
#65
1,1,1,2-Tetrachloroethane
Concen: 4.845 ug/l
RT: 11.959 min Scan# 1190
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:131 Resp: 960
Ion Ratio Lower Upper
131 100
133 100.9 0.0 190.4
119 69.0 0.0 135.6

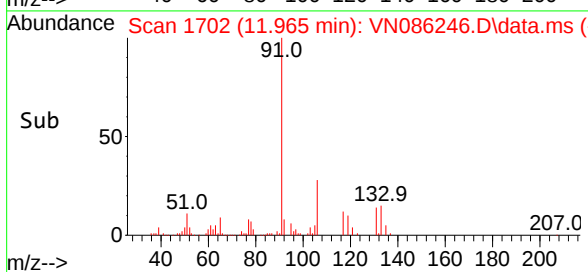
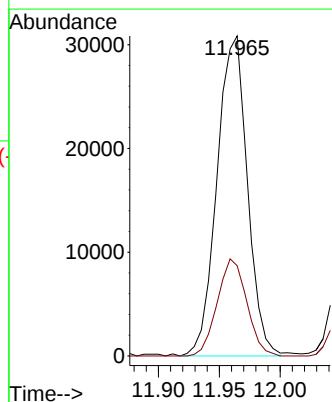
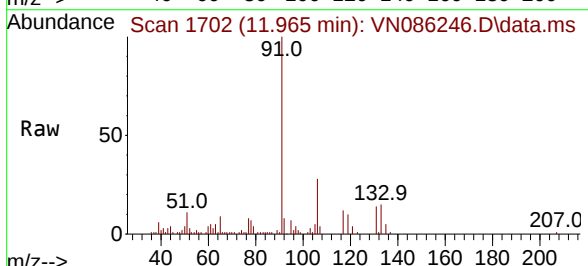
Manual Integrations
APPROVED

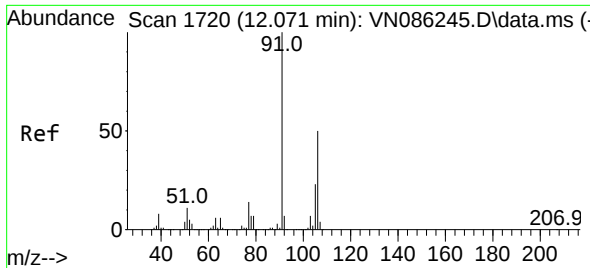
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#66
Ethyl Benzene
Concen: 4.912 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

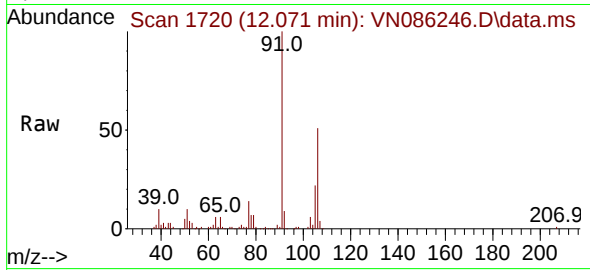
Tgt Ion: 91 Resp: 53539
Ion Ratio Lower Upper
91 100
106 28.2 23.4 35.0





#67
m/p-Xylenes
Concen: 9.597 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

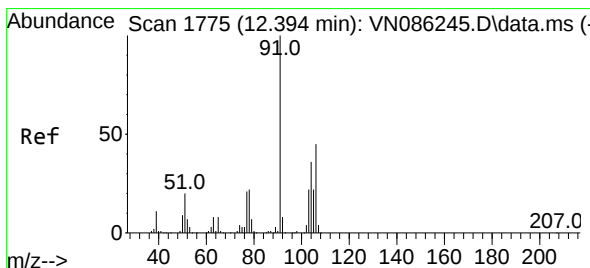
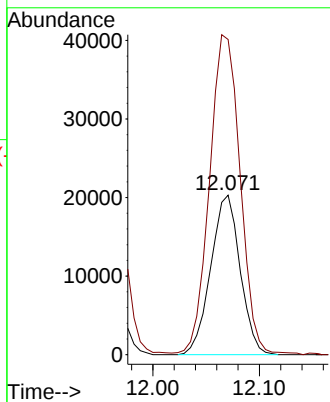
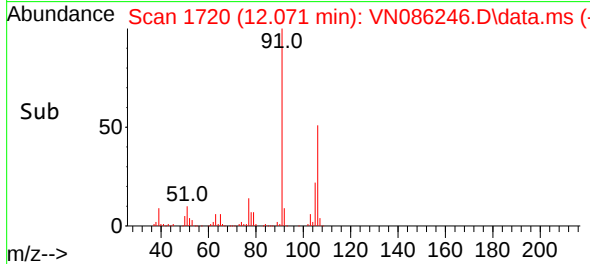
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



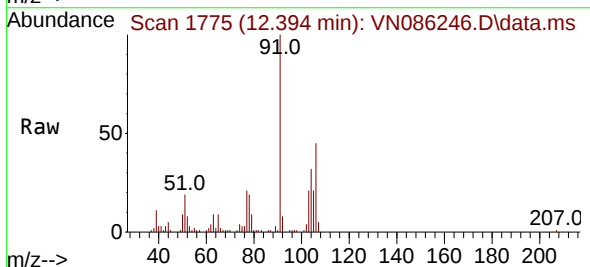
Tgt Ion:106 Resp: 3889
Ion Ratio Lower Upper
106 100
91 209.5 164.5 246.7

Manual Integrations
APPROVED

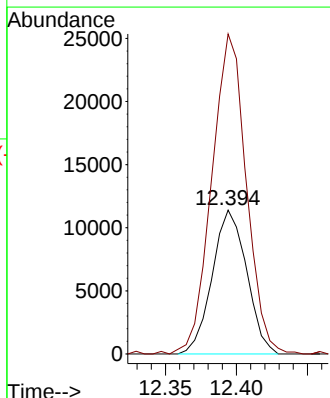
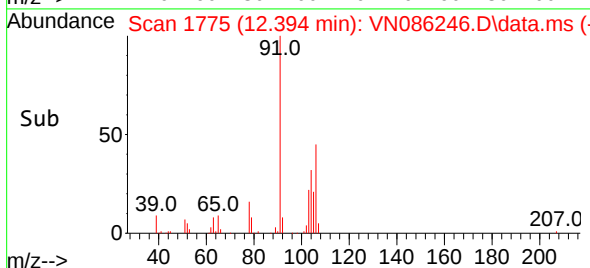
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

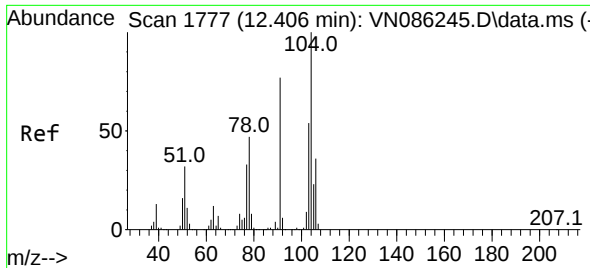


#68
o-Xylene
Concen: 4.822 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40



Tgt Ion:106 Resp: 19223
Ion Ratio Lower Upper
106 100
91 222.7 109.8 329.4





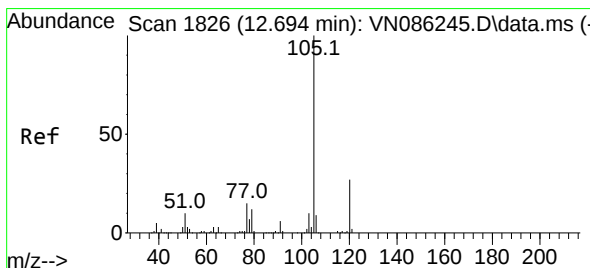
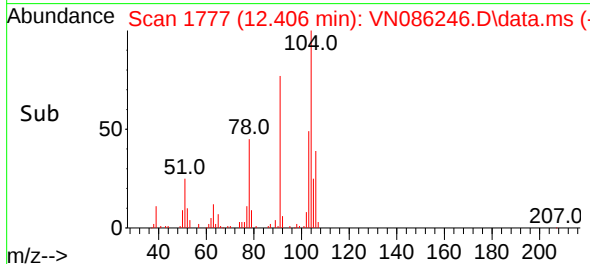
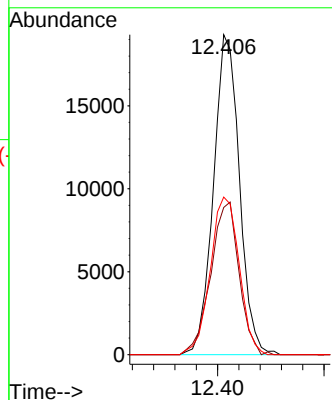
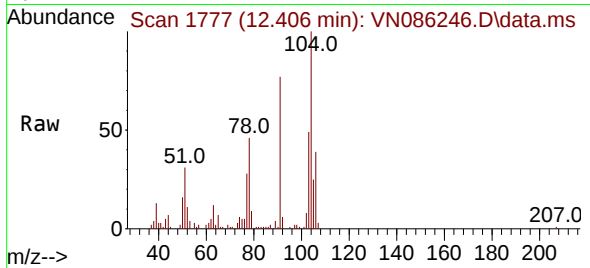
#69
Styrene
Concen: 4.846 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:104 Resp: 3258
Ion Ratio Lower Upper
104 100
78 51.8 41.4 62.0
103 54.8 44.2 66.4

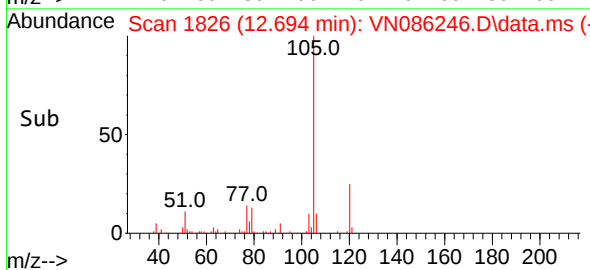
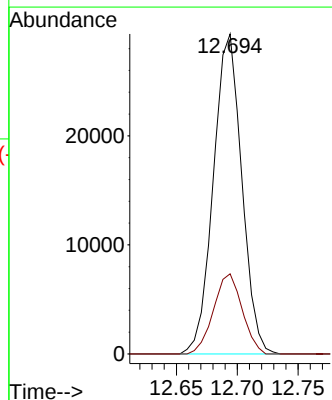
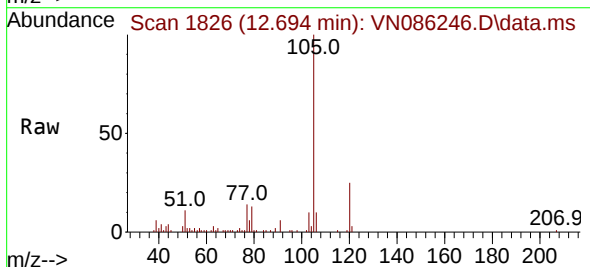
Manual Integrations
APPROVED

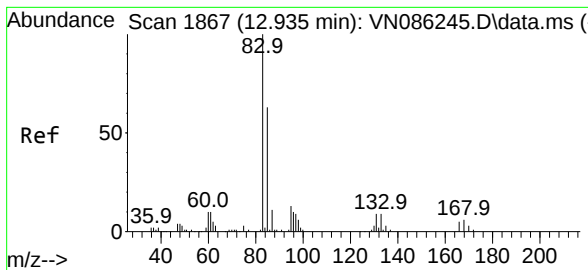
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#70
Isopropylbenzene
Concen: 4.839 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion:105 Resp: 47563
Ion Ratio Lower Upper
105 100
120 25.3 18.3 34.1





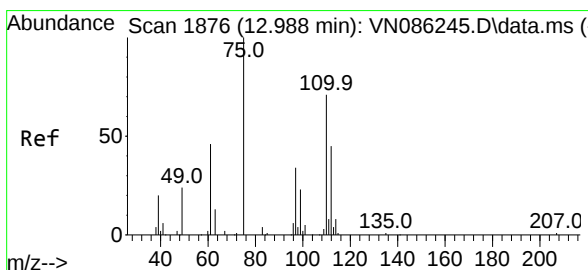
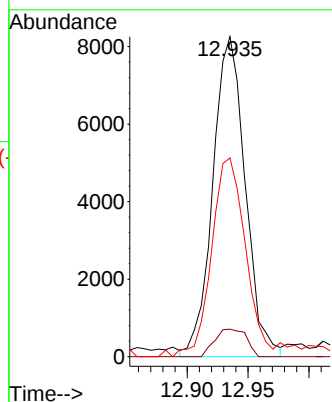
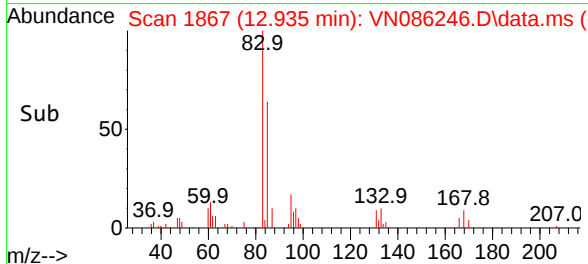
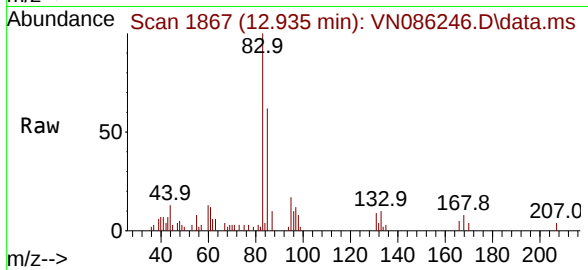
#71
1,1,2,2-Tetrachloroethane
Concen: 5.466 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument : MSVOA_N
ClientSampleId : VSTDIC005

Tgt Ion: 83 Resp: 1529
Ion Ratio Lower Upper
83 100
131 8.4 4.8 14.3
85 58.9 32.3 96.8

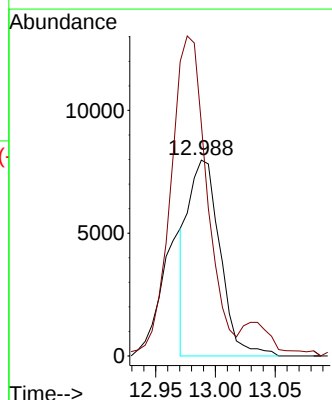
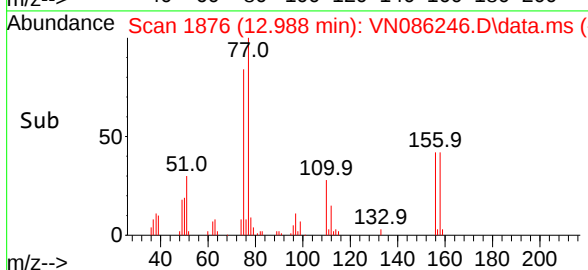
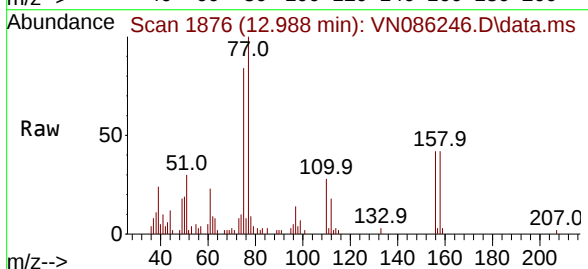
Manual Integrations
APPROVED

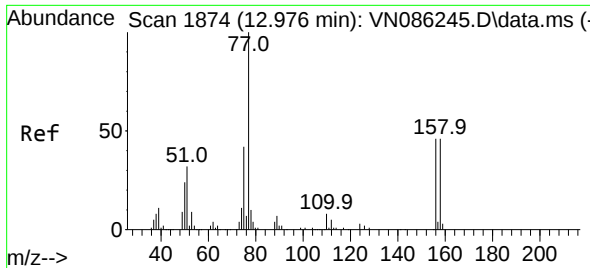
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#72
1,2,3-Trichloropropane
Concen: 3.739 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion: 75 Resp: 14811
Ion Ratio Lower Upper
75 100
77 185.5 0.0 380.0





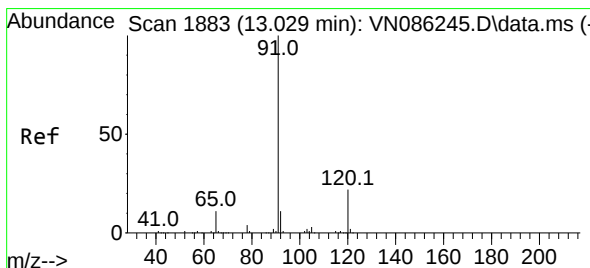
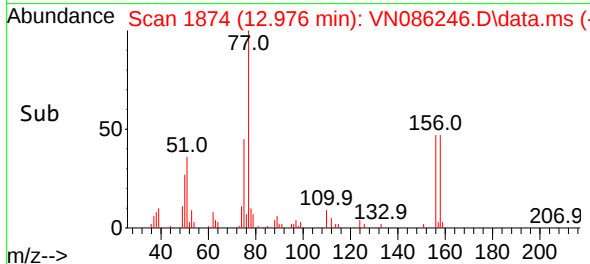
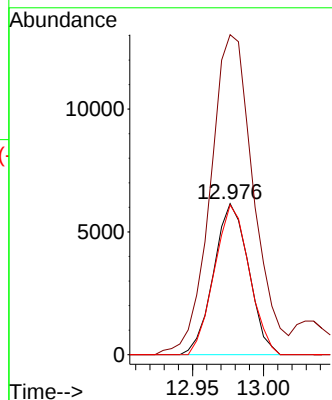
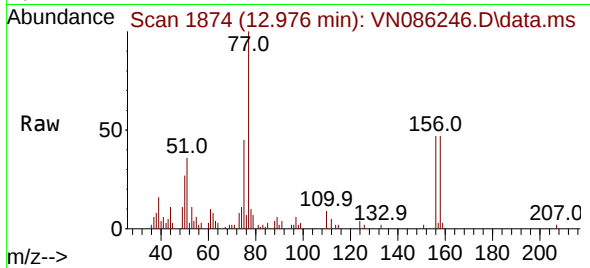
#73
Bromobenzene
Concen: 4.831 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:156 Resp: 1052
Ion Ratio Lower Upper
156 100
77 261.1 0.0 505.2
158 98.7 0.0 195.0

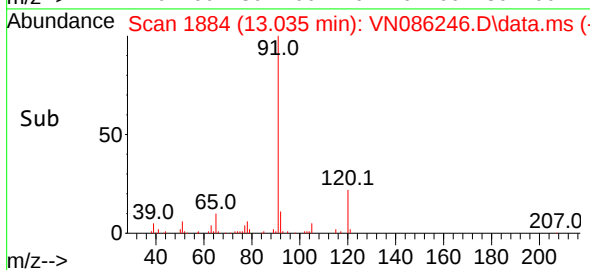
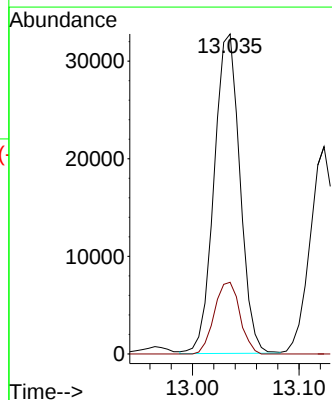
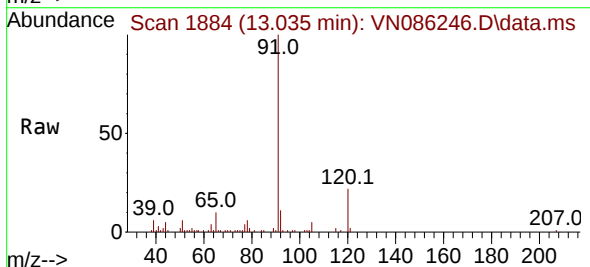
Manual Integrations
APPROVED

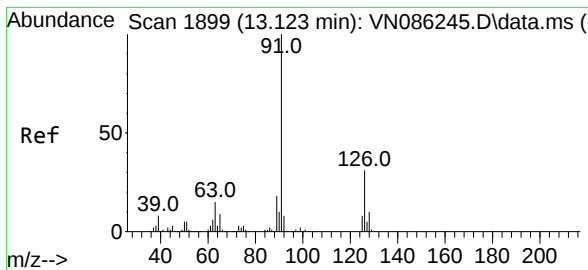
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#74
n-propylbenzene
Concen: 4.734 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion: 91 Resp: 55104
Ion Ratio Lower Upper
91 100
120 22.1 0.0 44.0





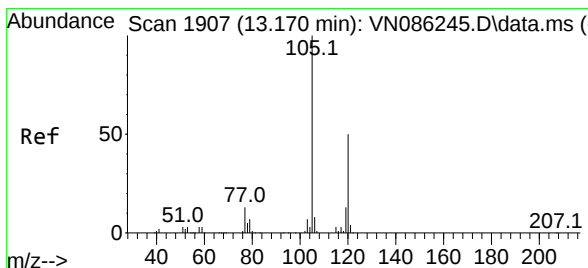
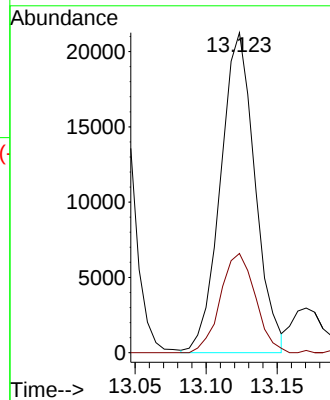
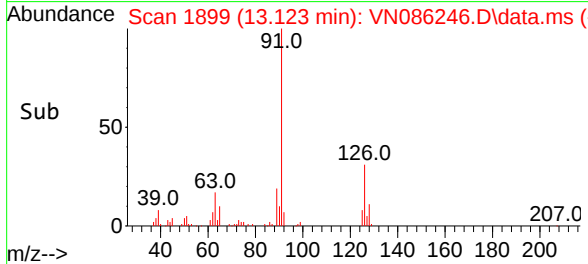
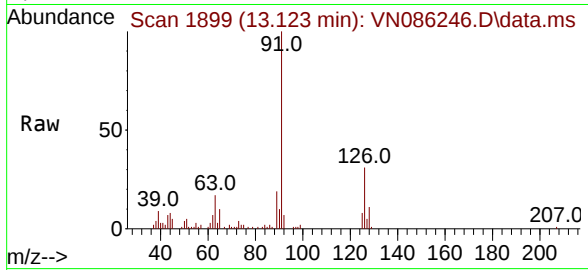
#75
2-Chlorotoluene
Concen: 4.929 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 35960
Ion Ratio Lower Upper
91 100
126 31.3 0.0 63.4

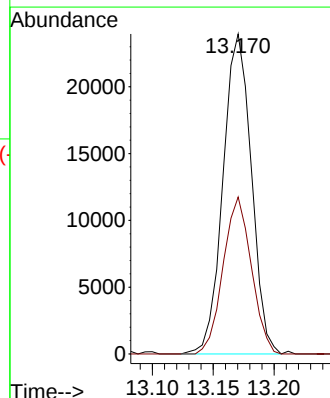
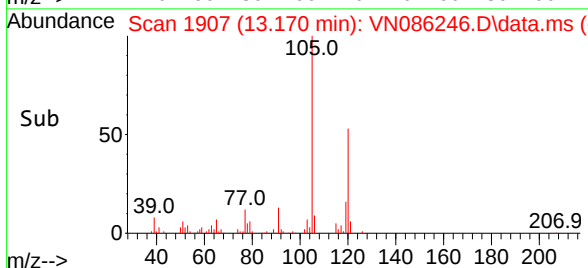
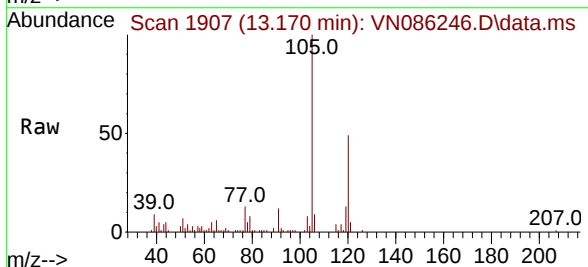
Manual Integrations
APPROVED

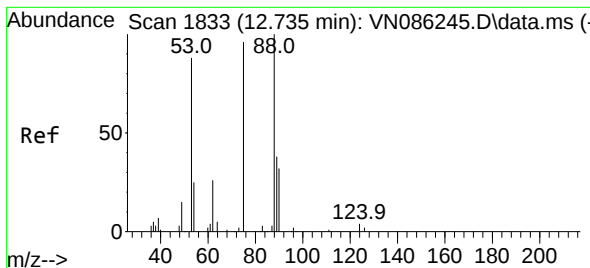
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#76
1,3,5-Trimethylbenzene
Concen: 4.800 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion:105 Resp: 38762
Ion Ratio Lower Upper
105 100
120 48.8 0.0 98.0





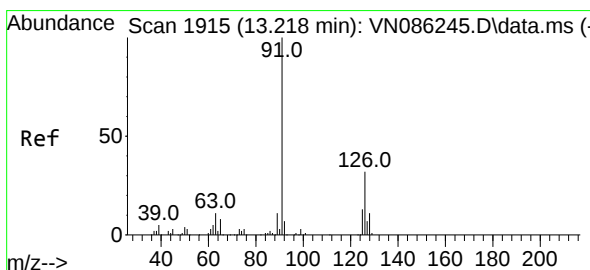
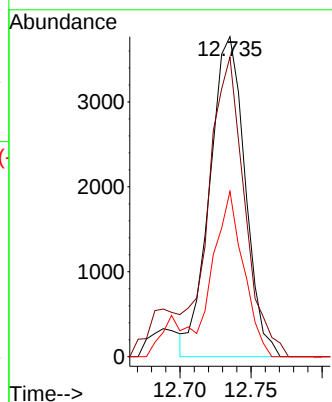
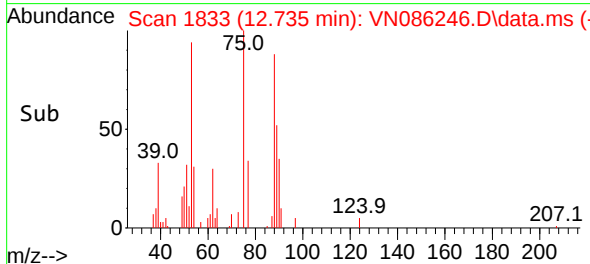
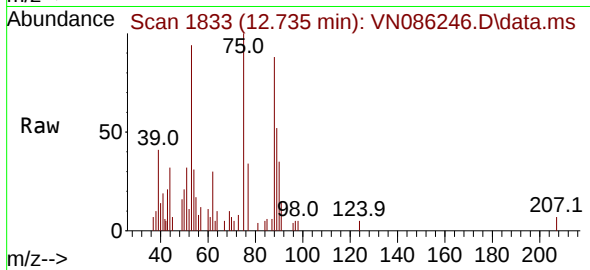
#77
t-1,4-Dichloro-2-butene
Concen: 4.845 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 650
Ion Ratio Lower Upper
75 100
53 89.4 46.4 139.2
89 51.6 22.5 67.5

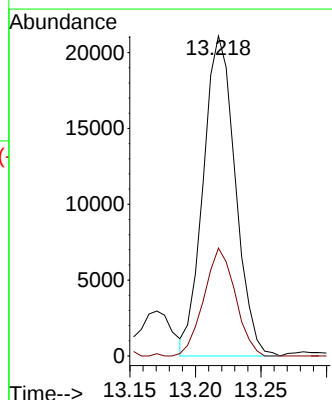
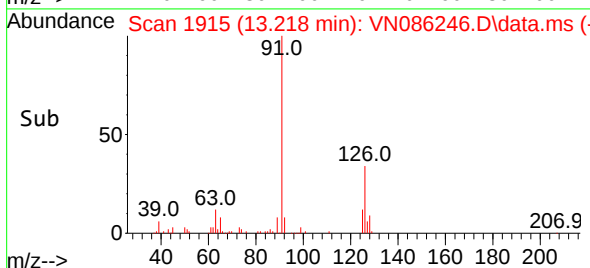
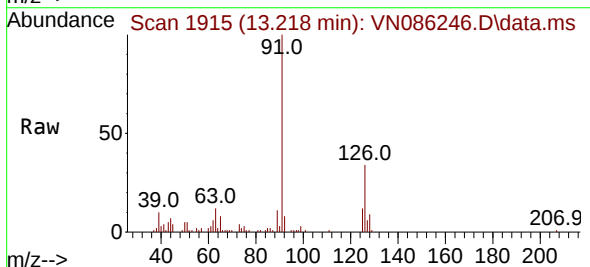
Manual Integrations
APPROVED

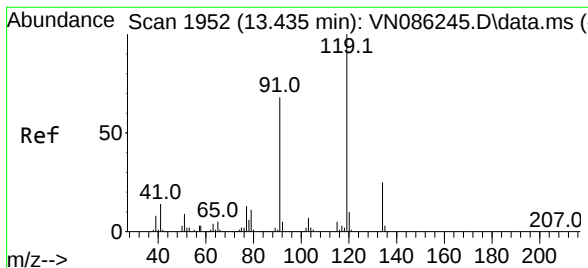
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#78
4-Chlorotoluene
Concen: 4.927 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion: 91 Resp: 35898
Ion Ratio Lower Upper
91 100
126 33.0 0.0 63.2





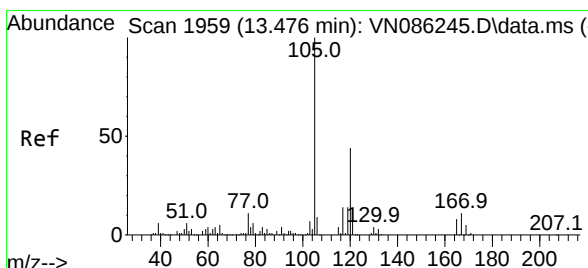
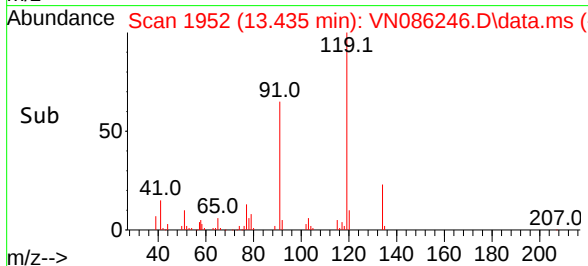
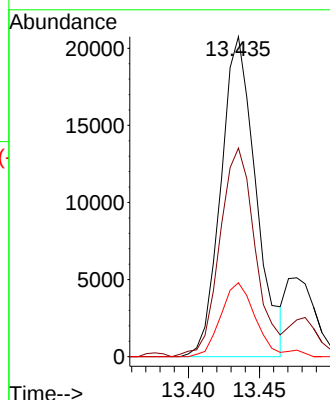
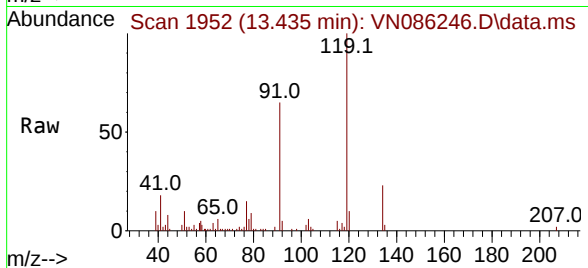
#79
tert-butylbenzene
Concen: 5.092 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:119 Resp: 35578
Ion Ratio Lower Upper
119 100
91 66.0 0.0 136.6
134 22.4 0.0 49.4

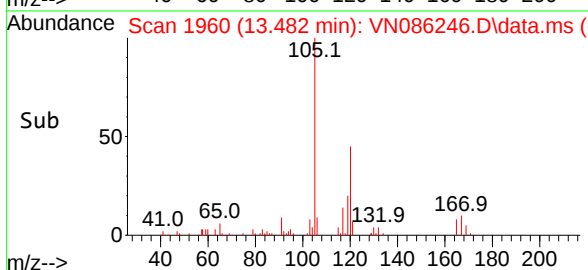
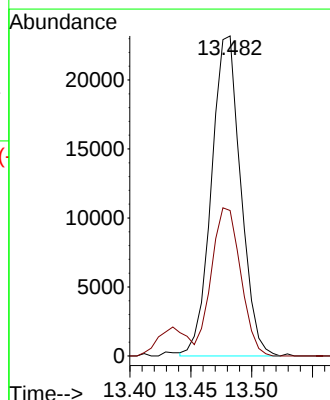
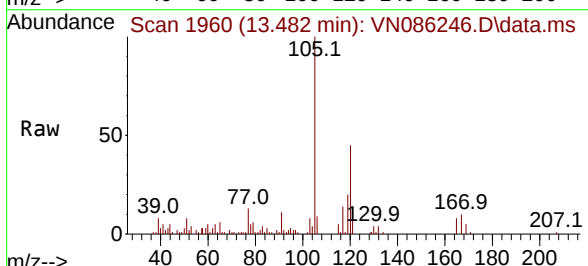
Manual Integrations
APPROVED

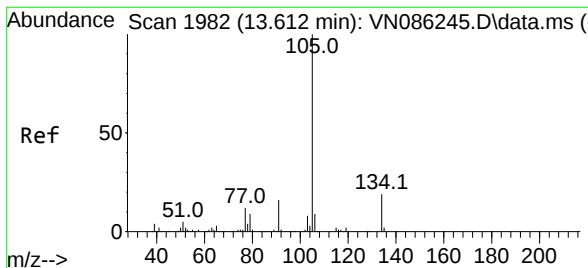
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#80
1,2,4-Trimethylbenzene
Concen: 4.730 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion:105 Resp: 38730
Ion Ratio Lower Upper
105 100
120 46.3 0.0 91.0





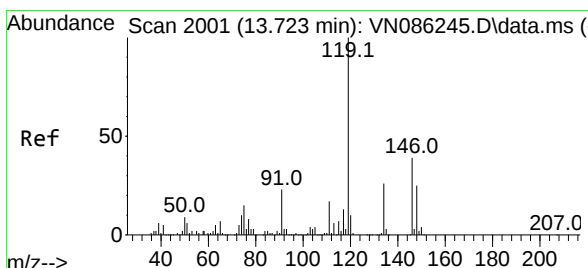
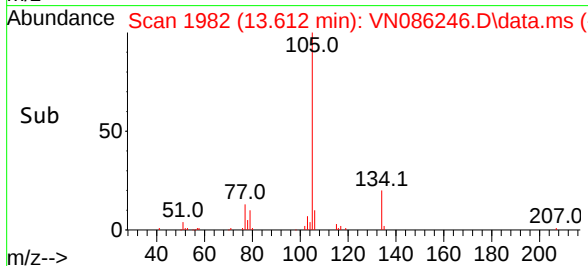
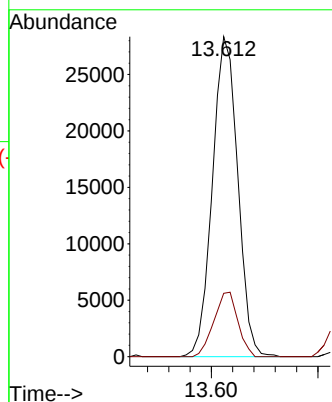
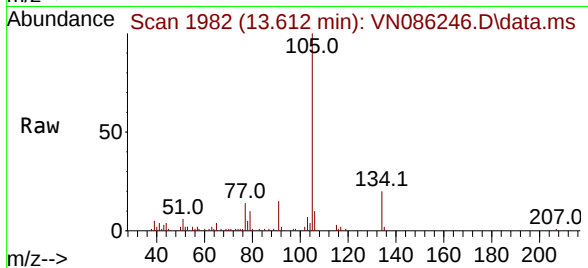
#81
 sec-Butylbenzene
 Concen: 4.798 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086246.D
 Acq: 11 Apr 2025 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:105 Resp: 4676
 Ion Ratio Lower Upper
 105 100
 134 19.1 0.0 38.6

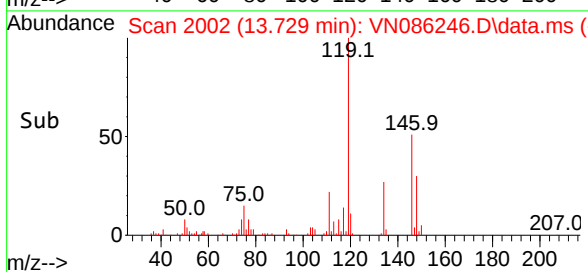
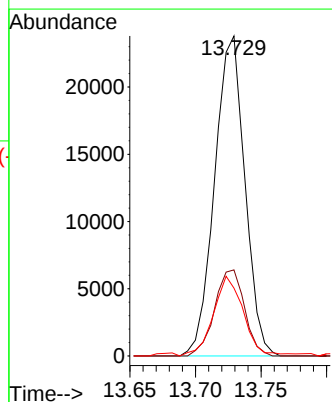
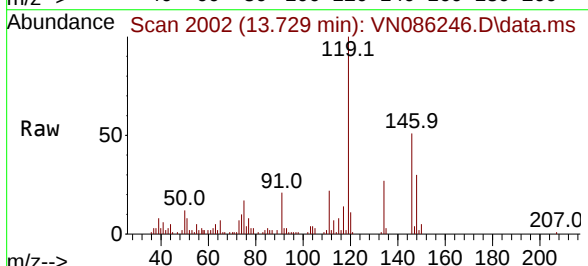
Manual Integrations
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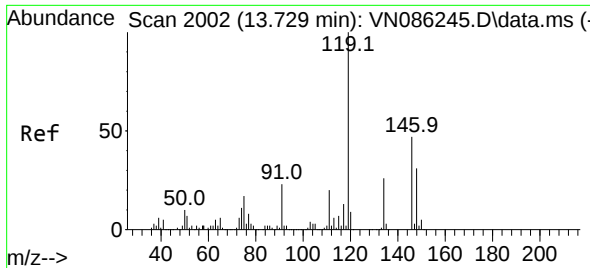
Reviewed By :John Carlone 04/14/2025
 Supervised By :Mahesh Dadoda 04/14/2025



#82
 p-Isopropyltoluene
 Concen: 4.692 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VN086246.D
 Acq: 11 Apr 2025 12:40

Tgt Ion:119 Resp: 38146
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 51.6
 91 24.5 0.0 48.2





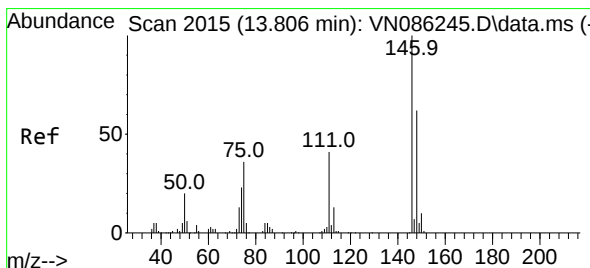
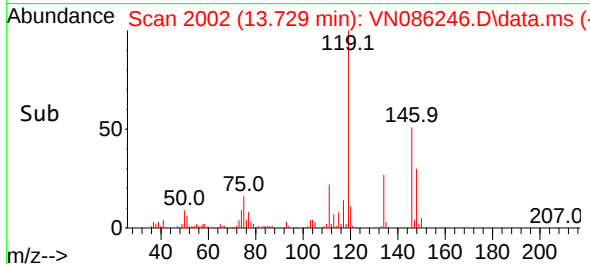
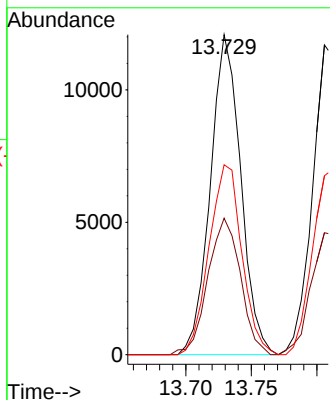
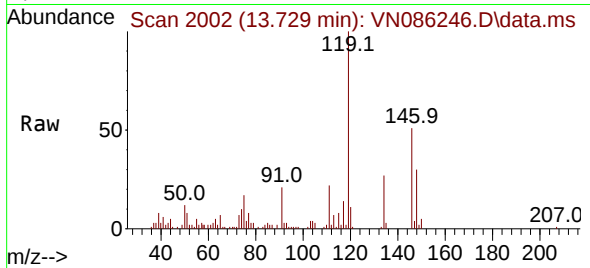
#83
1,3-Dichlorobenzene
Concen: 4.818 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:146 Resp: 1950
Ion Ratio Lower Upper
146 100
111 45.8 21.7 65.1
148 64.0 32.3 96.8

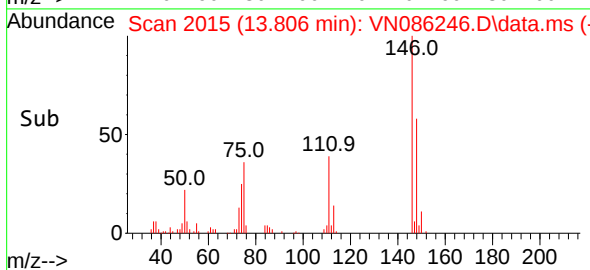
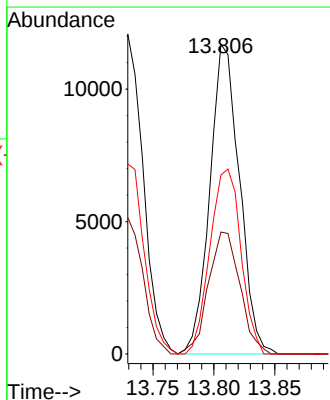
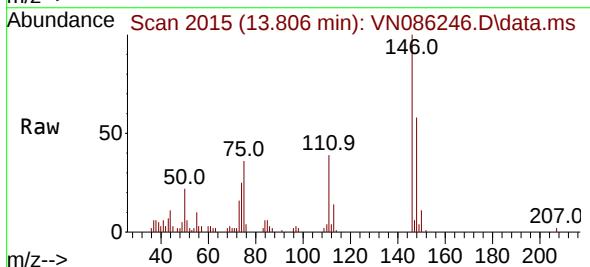
Manual Integrations
APPROVED

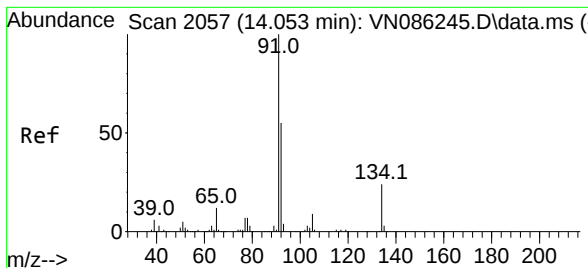
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#84
1,4-Dichlorobenzene
Concen: 4.888 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion:146 Resp: 19847
Ion Ratio Lower Upper
146 100
111 41.9 20.8 62.4
148 62.3 31.9 95.5





#85

n-Butylbenzene

Concen: 4.716 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086246.D

Acq: 11 Apr 2025 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

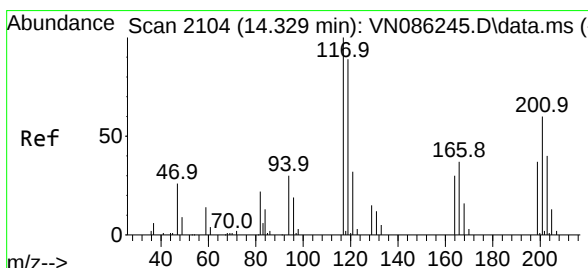
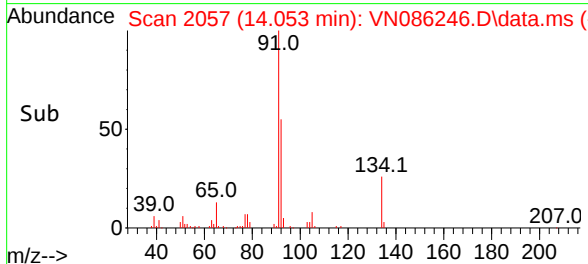
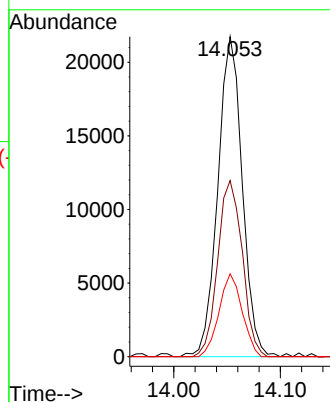
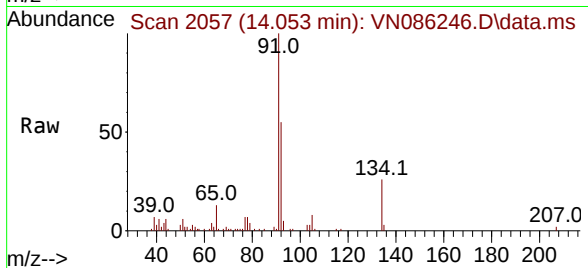
Tgt Ion:	91	Resp:	3459
Ion Ratio	Lower	Upper	
91	100		
92	55.3	0.0	109.4
134	24.5	0.0	48.2

Manual Integrations

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Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#86

Hexachloroethane

Concen: 4.714 ug/l

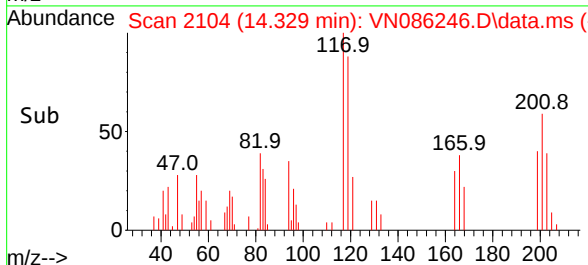
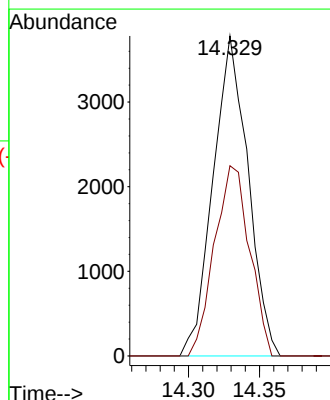
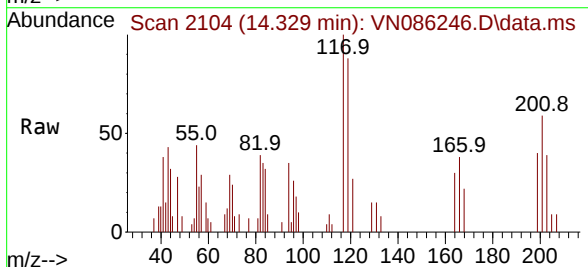
RT: 14.329 min Scan# 2104

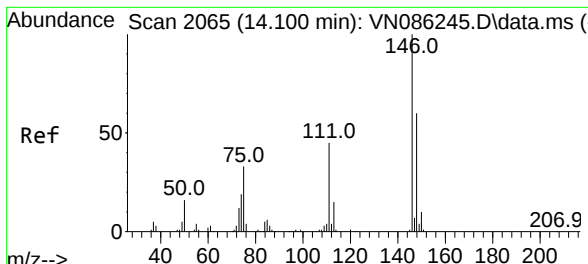
Delta R.T. -0.000 min

Lab File: VN086246.D

Acq: 11 Apr 2025 12:40

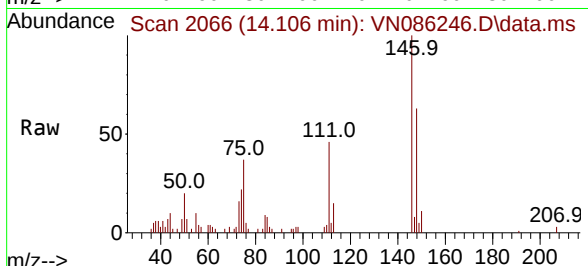
Tgt Ion:	117	Resp:	6465
Ion Ratio	Lower	Upper	
117	100		
201	59.8	30.9	92.8





#87
 1,2-Dichlorobenzene
 Concen: 4.834 ug/l
 RT: 14.106 min Scan# 2066
 Delta R.T. 0.006 min
 Lab File: VN086246.D
 Acq: 11 Apr 2025 12:40

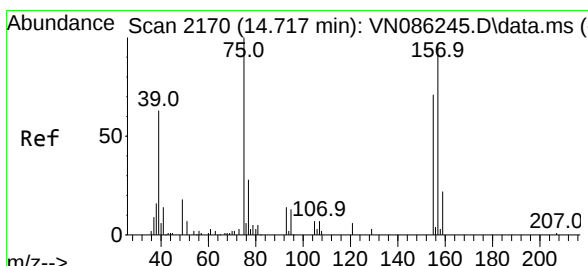
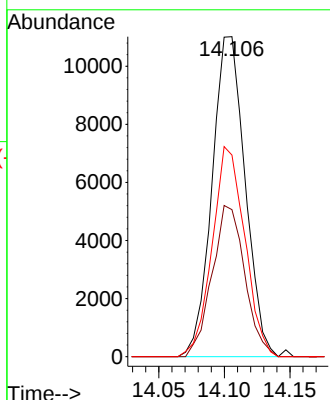
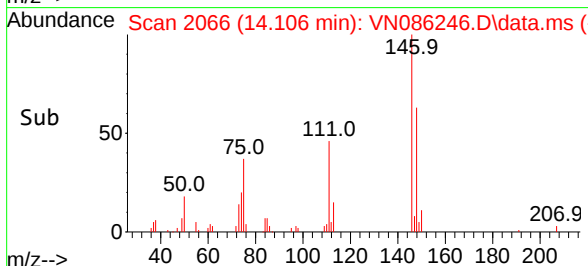
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



Tgt Ion:146 Resp: 19310
 Ion Ratio Lower Upper
 146 100
 111 46.7 22.7 68.0
 148 64.6 31.8 95.3

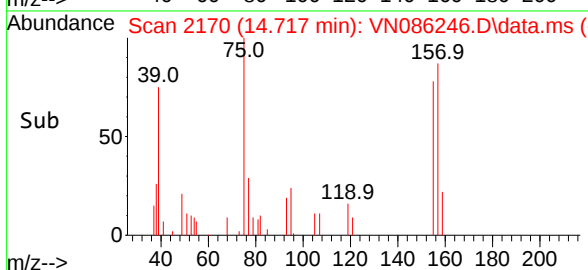
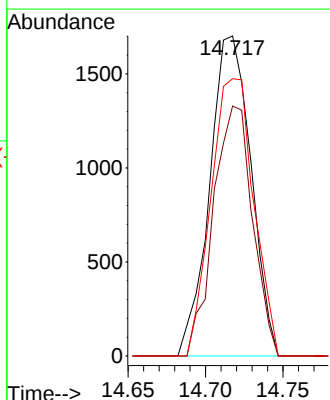
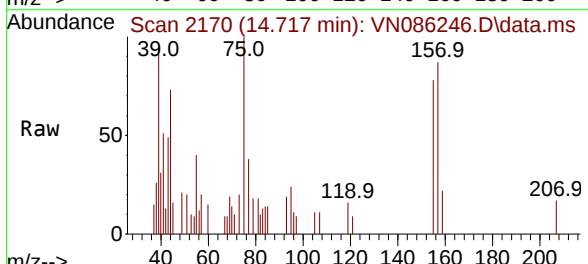
Manual Integrations
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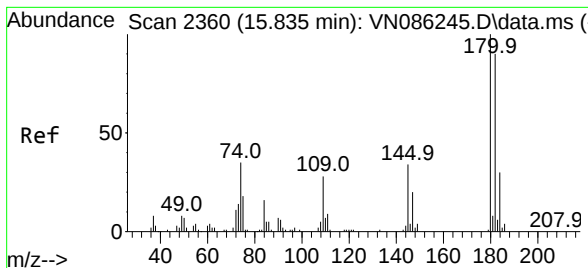
Reviewed By :John Carlone 04/14/2025
 Supervised By :Mahesh Dadoda 04/14/2025



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.946 ug/l
 RT: 14.717 min Scan# 2170
 Delta R.T. -0.000 min
 Lab File: VN086246.D
 Acq: 11 Apr 2025 12:40

Tgt Ion: 75 Resp: 3152
 Ion Ratio Lower Upper
 75 100
 155 73.8 60.3 90.5
 157 89.7 79.0 118.4





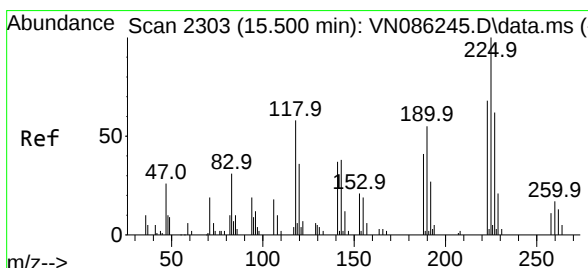
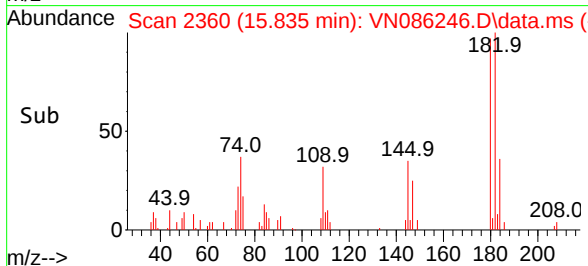
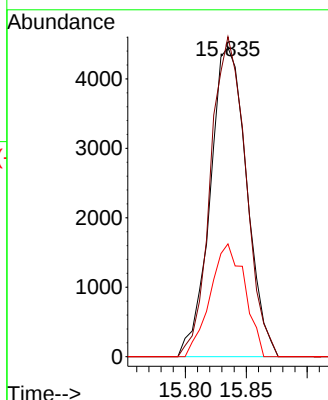
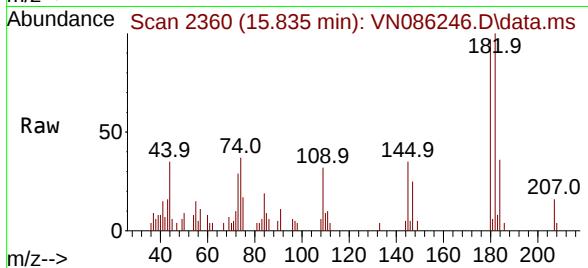
#89
1,2,4-Trichlorobenzene
Concen: 4.778 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:180 Resp: 929
Ion Ratio Lower Upper
180 100
182 99.7 75.1 112.7
145 34.6 27.1 40.7

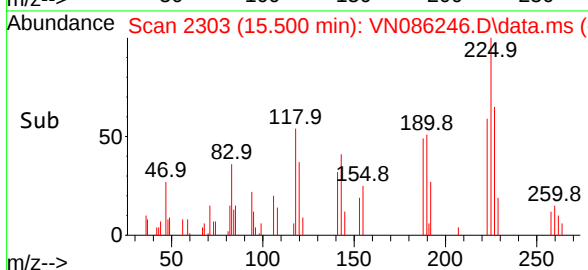
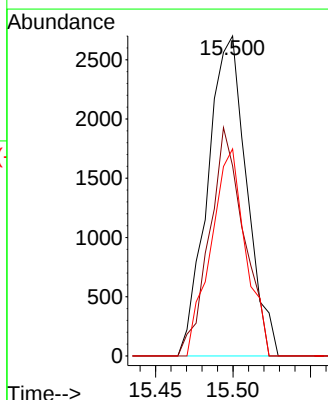
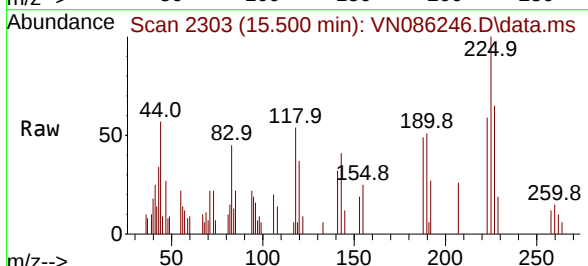
Manual Integrations
APPROVED

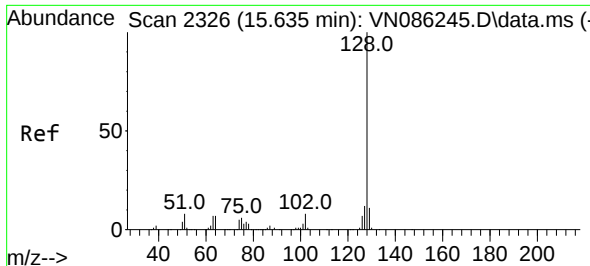
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#90
Hexachlorobutadiene
Concen: 5.639 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion:225 Resp: 4734
Ion Ratio Lower Upper
225 100
223 62.9 0.0 130.0
227 57.5 0.0 123.2





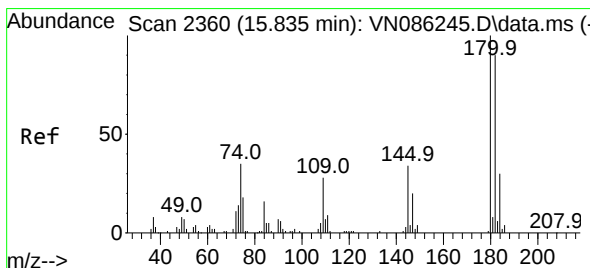
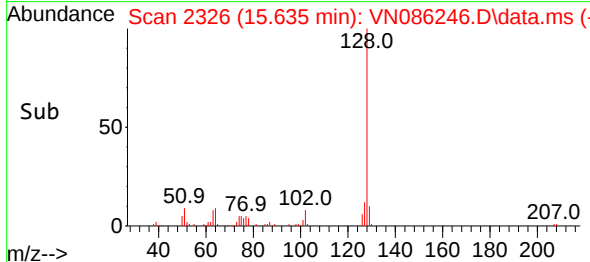
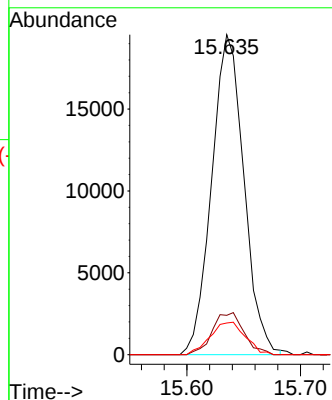
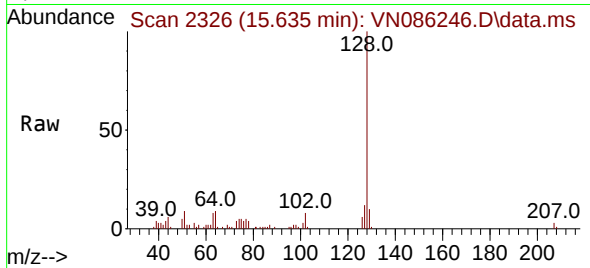
#91
Naphthalene
Concen: 5.026 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 3853
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 11.1 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#92
1,2,3-Trichlorobenzene
Concen: 4.778 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086246.D
Acq: 11 Apr 2025 12:40

Tgt Ion:180 Resp: 9291
Ion Ratio Lower Upper
180 100
182 99.7 0.0 187.8
145 34.6 0.0 67.8

