

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041125\
 Data File : VN086245.D
 Acq On : 11 Apr 2025 12:16
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

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

Quant Time: Apr 12 00:20:42 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)

Internal Standards						
1) Bromochloromethane	7.812	128	30974	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	185020	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	163907	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	89958	29.776	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.267%		
60) 4-Bromofluorobenzene	12.847	95	97314	29.820	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.400%		
63) Toluene-d8	10.565	98	281589	30.431	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.433%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	48008	19.345	ug/l	100
3) Chloromethane	2.359	50	63879	18.624	ug/l	100
4) Vinyl Chloride	2.512	62	62095	19.006	ug/l	100
5) Bromomethane	2.965	94	30452	18.686	ug/l	100
6) Chloroethane	3.124	64	38415	18.620	ug/l	100
7) Trichlorofluoromethane	3.501	101	66215	18.683	ug/l	100
8) Diethyl Ether	3.959	74	30487	18.653	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	41257	18.878	ug/l	100
10) 1,1-Dichloroethene	4.342	96	44299	18.782	ug/l	100
11) Methyl Iodide	4.589	142	50856	18.760	ug/l	100
12) Methyl Acetate	5.024	43	61331	18.414	ug/l	100
13) Acrolein	4.177	56	27873	73.623	ug/l	100
14) Acrylonitrile	5.718	53	132407	94.169	ug/l	100
15) Acetone	4.424	58	33967	95.196	ug/l	95
16) Carbon Disulfide	4.712	76	129547	19.155	ug/l	100
17) Allyl chloride	5.024	41	76657	18.648	ug/l	100
18) Methylene Chloride	5.277	84	49299	18.333	ug/l	100
19) trans-1,2-Dichloroethene	5.789	96	45854	21.553	ug/l	100
20) Diisopropyl ether	6.671	45	167099	18.905	ug/l	100
21) 1,1-Dichloroethane	6.565	63	89726	19.030	ug/l	100
22) cis-1,2-Dichloroethene	7.489	96	55538	18.766	ug/l	100
23) tert-Butyl Alcohol	5.512	59	56269	96.582	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	158818	18.690	ug/l	100
25) Chloroform	7.965	83	84511	18.796	ug/l	100
26) Cyclohexane	8.253	56	81442	18.462	ug/l #	100
29) 1,1-Dichloropropene	8.371	75	63403	19.129	ug/l	100
30) 2-Butanone	7.483	43	178630	97.263	ug/l	100
31) 2,2-Dichloropropane	7.489	77	78733	19.298	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	72230	18.945	ug/l	100
33) Carbon Tetrachloride	8.359	117	58240	19.114	ug/l	100
34) Benzene	8.606	78	201431	19.103	ug/l	100
35) Methacrylonitrile	7.777	41	39241	18.953	ug/l	100
36) 1,2-Dichloroethane	8.671	62	63104	19.124	ug/l	100
37) Trichloroethene	9.353	130	48886	19.215	ug/l	100
38) Methylcyclohexane	9.600	83	75994	18.695	ug/l	100
39) 1,2-Dichloropropane	9.618	63	49925	19.028	ug/l	100
40) Dibromomethane	9.706	93	32130	18.960	ug/l	100
41) Bromodichloromethane	9.882	83	69713	19.149	ug/l	100
42) Vinyl Acetate	6.600	43	616622	98.633	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	72635	19.607	ug/l	100
44) Isopropyl Acetate	8.683	43	129543	18.850	ug/l	100
45) 1,4-Dioxane	9.694	88	21134	386.736	ug/l	100
46) Methyl methacrylate	9.677	41	58112	19.192	ug/l	100
47) n-amyl Acetate	12.488	43	101635	18.304	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	78104	18.977	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	83505	19.170	ug/l	100
50) 1,1,2-Trichloroethane	11.012	97	45892	19.308	ug/l	100
51) Ethyl methacrylate	10.871	69	84042	19.027	ug/l	100
52) 1,3-Dichloropropane	11.159	76	79960	18.875	ug/l	100
53) Dibromochloromethane	11.353	129	49892	19.190	ug/l	100
54) 1,2-Dibromoethane	11.465	107	45668	19.034	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	199584	119.582	ug/l	100
56) Bromoform	12.576	173	32612	19.173	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	366576	98.554	ug/l	100
59) 2-Hexanone	11.194	43	271384	97.984	ug/l	100
61) Tetrachloroethene	11.100	164	46313	19.134	ug/l	100
62) Toluene	10.629	91	212088	19.292	ug/l	100
64) Chlorobenzene	11.888	112	128877	19.188	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	42656	19.244	ug/l	100
66) Ethyl Benzene	11.959	91	233805	19.177	ug/l	100
67) m/p-Xylenes	12.071	106	172384	38.024	ug/l	100
68) o-Xylene	12.394	106	85173	19.101	ug/l	100
69) Styrene	12.406	104	141327	18.793	ug/l	100
70) Isopropylbenzene	12.694	105	209526	19.057	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	60936	19.472	ug/l	100
72) 1,2,3-Trichloropropane	12.988	75	61888m	13.969	ug/l	
73) Bromobenzene	12.976	156	46561	19.116	ug/l	100
74) n-propylbenzene	13.029	91	243573	18.707	ug/l	100
75) 2-Chlorotoluene	13.123	91	154341	18.914	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	172014	19.046	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	28529	18.993	ug/l	100
78) 4-Chlorotoluene	13.218	91	151091	18.539	ug/l	100
79) tert-butylbenzene	13.435	119	147428	18.865	ug/l	100
80) 1,2,4-Trimethylbenzene	13.476	105	174827	19.089	ug/l	100
81) sec-Butylbenzene	13.612	105	208583	19.134	ug/l	100
82) p-Isopropyltoluene	13.723	119	173120	19.037	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	84482	18.662	ug/l	100
84) 1,4-Dichlorobenzene	13.806	146	84947	18.705	ug/l	100
85) n-Butylbenzene	14.053	91	155208	18.919	ug/l	100
86) Hexachloroethane	14.329	117	29008	18.910	ug/l	100
87) 1,2-Dichlorobenzene	14.100	146	85009	19.018	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	14031	19.684	ug/l	100
89) 1,2,4-Trichlorobenzene	15.835	180	43895	20.183	ug/l	100
90) Hexachlorobutadiene	15.500	225	18215	19.398	ug/l	100
91) Naphthalene	15.635	128	169118	19.722	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	43895	20.183	ug/l	100

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

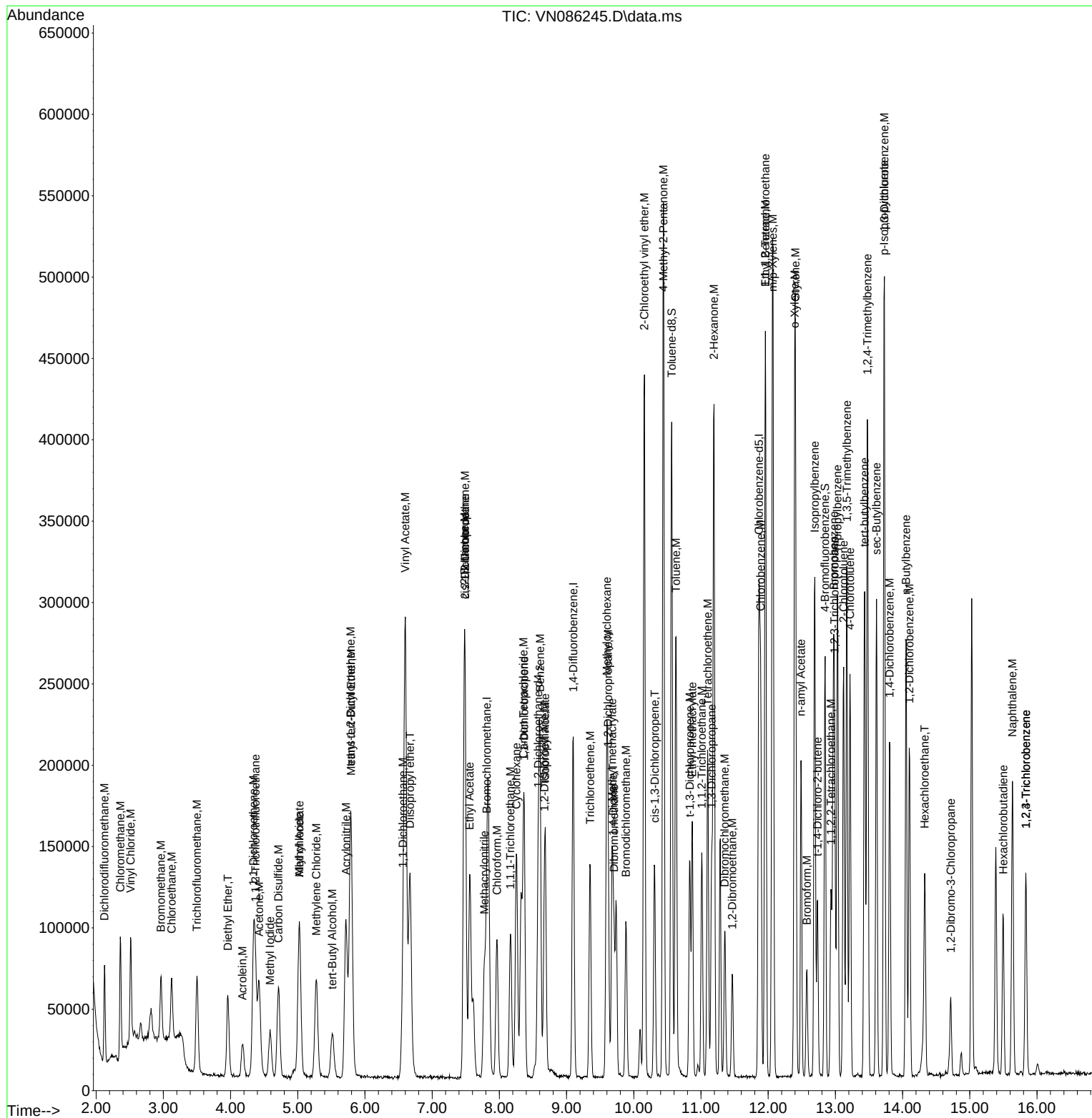
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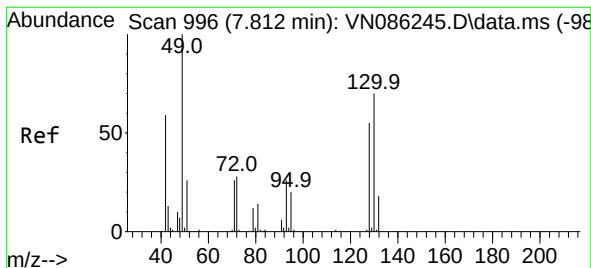
Instrument :
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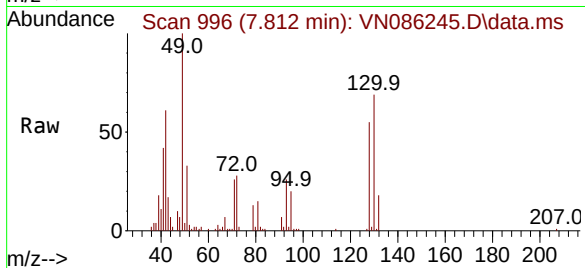
Reviewed By : John Carlone 04/14/2025
 Supervised By : Mahesh Dadoda 04/14/2025





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

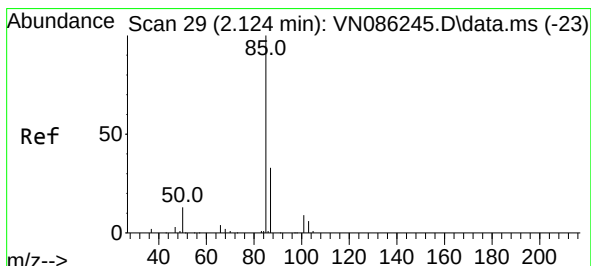
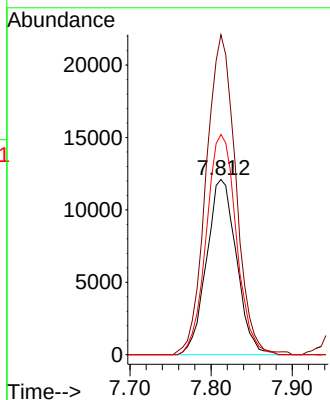
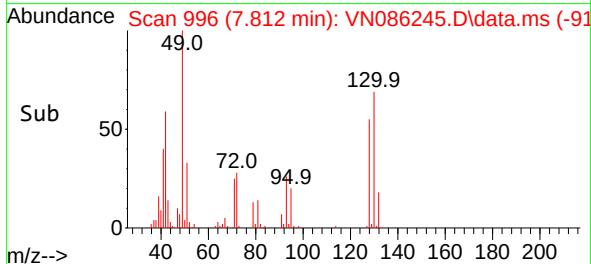
Instrument :
MSVOA_N
ClientSampleId :
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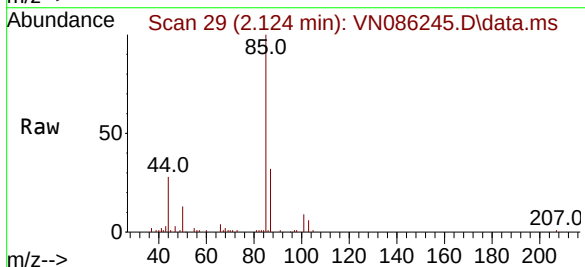
Tgt Ion:128 Resp: 30974
Ion Ratio Lower Upper
128 100
49 181.0 0.0 452.5
130 126.0 0.0 315.0

Manual Integrations
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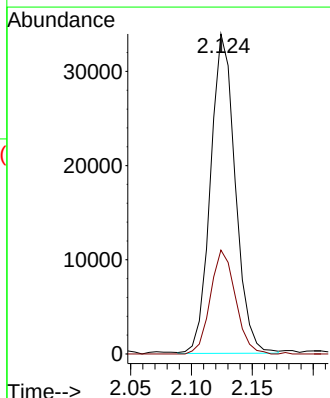
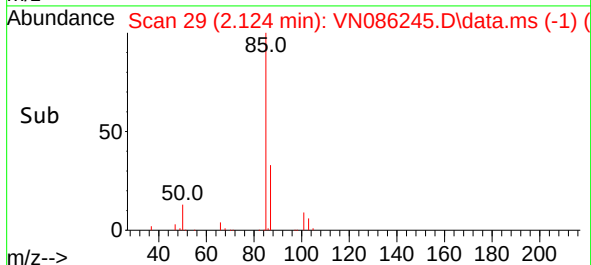
Reviewed By :John Carlone 04/14/2025
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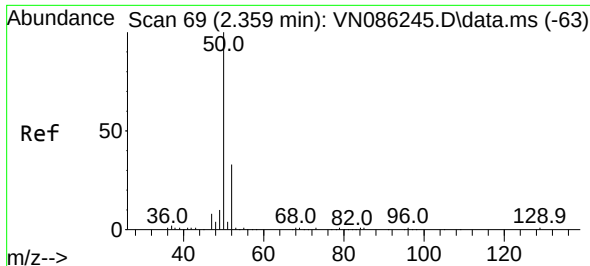


#2
Dichlorodifluoromethane
Concen: 19.345 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16



Tgt Ion: 85 Resp: 48008
Ion Ratio Lower Upper
85 100
87 32.6 16.3 48.9





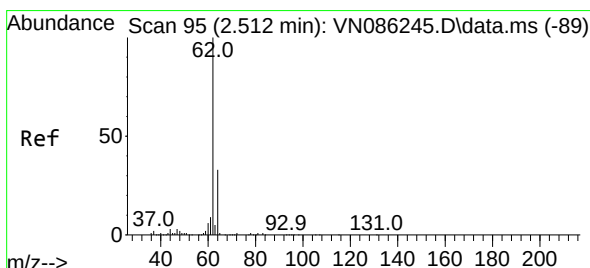
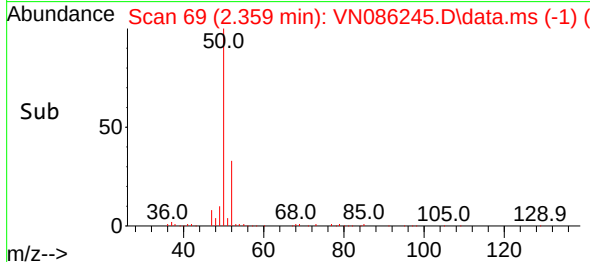
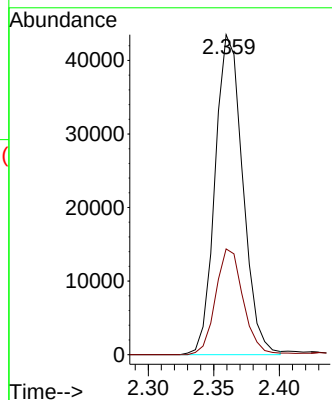
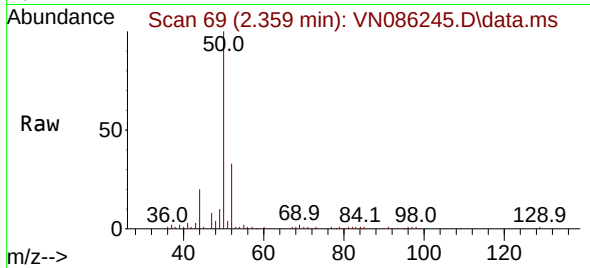
#3
Chloromethane
Concen: 18.624 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Instrument :
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Tgt Ion: 50 Resp: 63879
Ion Ratio Lower Upper
50 100
52 33.0 26.4 39.6

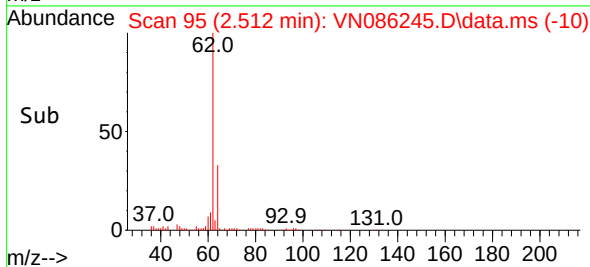
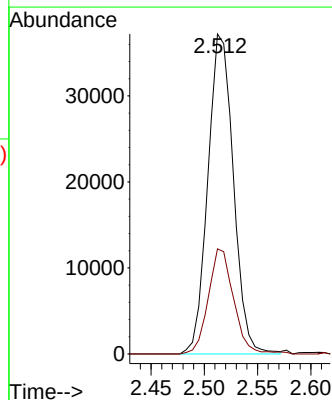
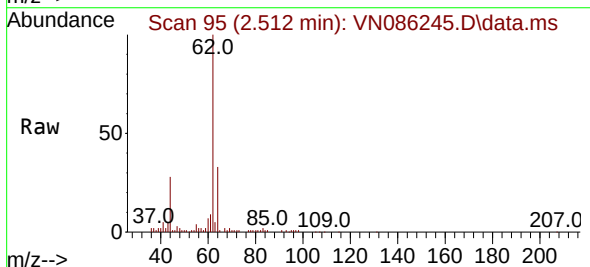
Manual Integrations
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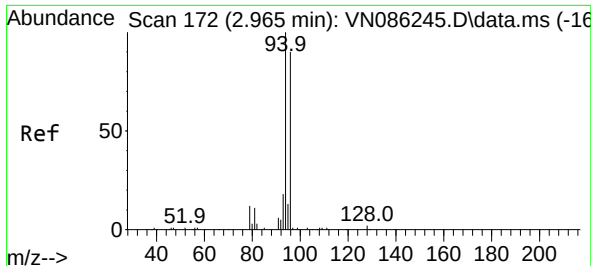
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#4
Vinyl Chloride
Concen: 19.006 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

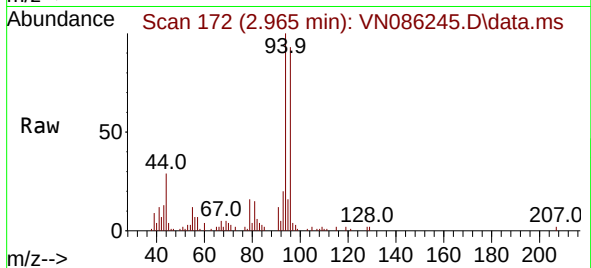
Tgt Ion: 62 Resp: 62095
Ion Ratio Lower Upper
62 100
64 32.9 26.3 39.5





#5
Bromomethane
Concen: 18.686 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

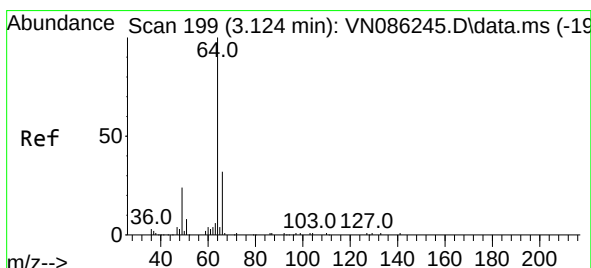
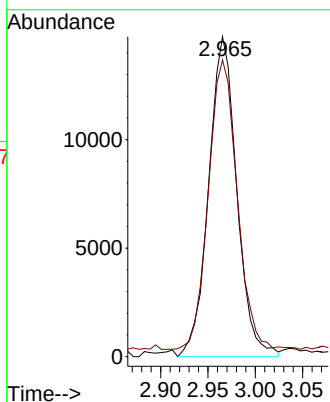
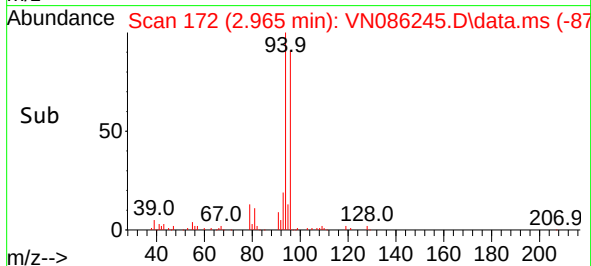
Instrument :
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Tgt Ion: 94 Resp: 30452
Ion Ratio Lower Upper
94 100
96 90.2 72.2 108.2

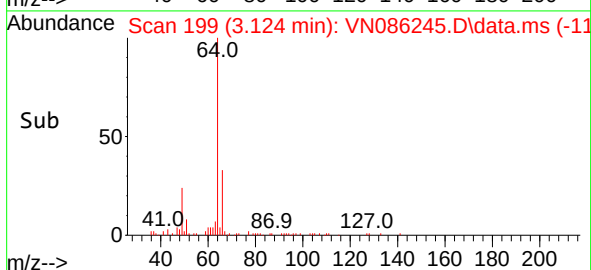
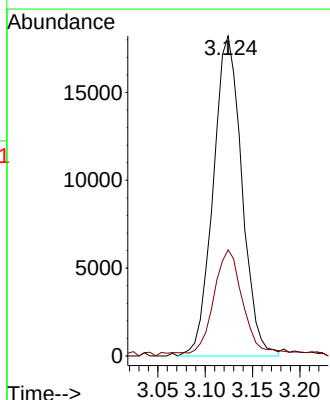
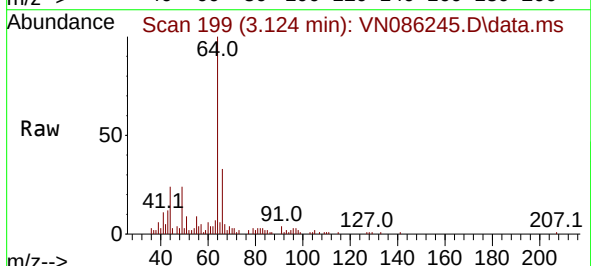
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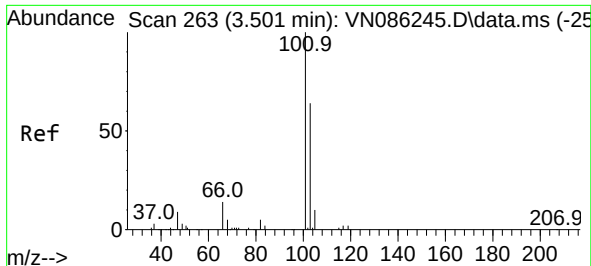
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#6
Chloroethane
Concen: 18.620 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

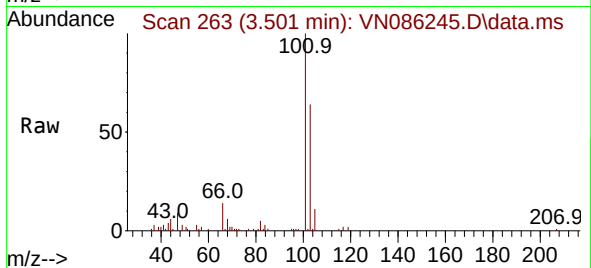
Tgt Ion: 64 Resp: 38415
Ion Ratio Lower Upper
64 100
66 32.1 25.7 38.5





#7
 Trichlorofluoromethane
 Concen: 18.683 ug/l
 RT: 3.501 min Scan# 263
 Delta R.T. 0.000 min
 Lab File: VN086245.D
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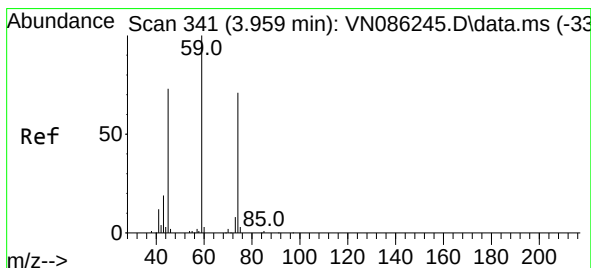
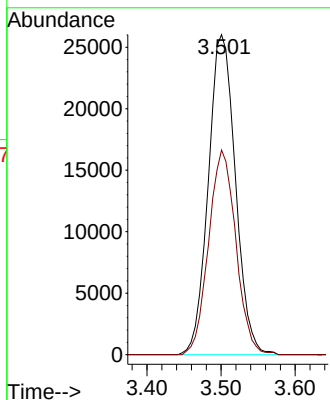
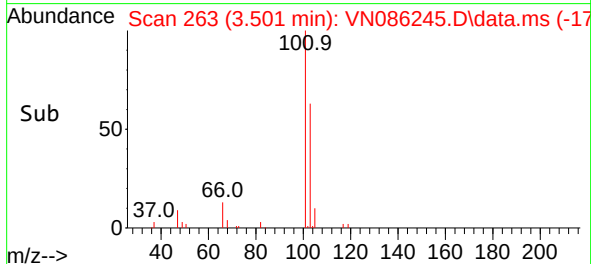
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Tgt Ion: 101 Resp: 6621
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.2 76.8

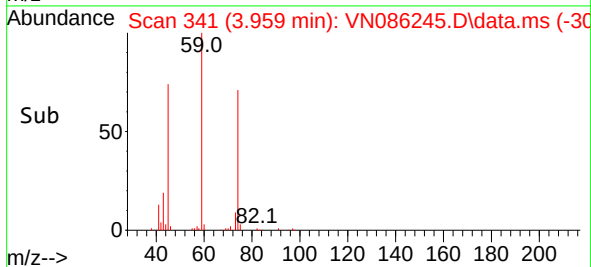
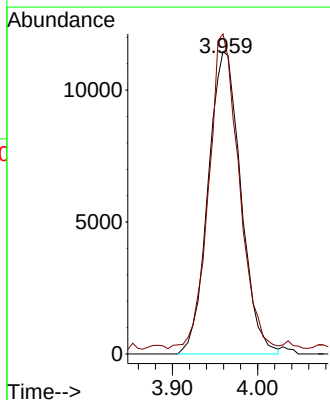
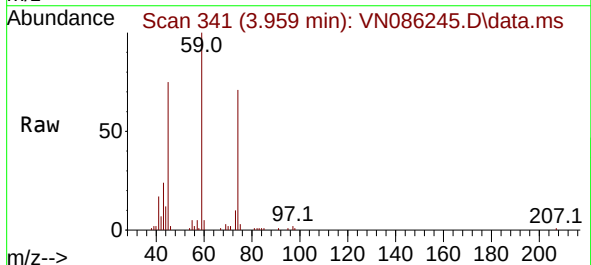
Manual Integrations
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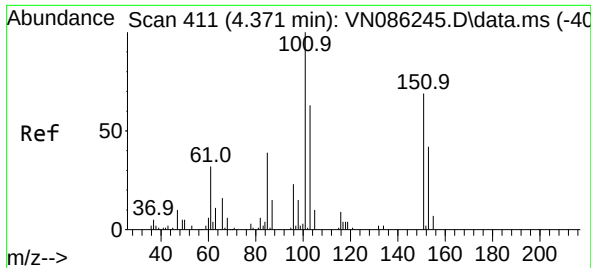
Reviewed By : John Carlone 04/14/2025
 Supervised By : Mahesh Dadoda 04/14/2025



#8
 Diethyl Ether
 Concen: 18.653 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.000 min
 Lab File: VN086245.D
 Acq: 11 Apr 2025 12:16

Tgt Ion: 74 Resp: 30487
 Ion Ratio Lower Upper
 74 100
 45 96.2 19.2 173.2





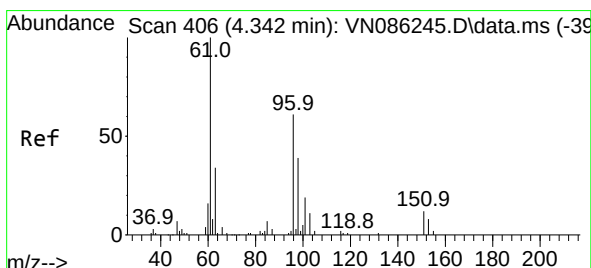
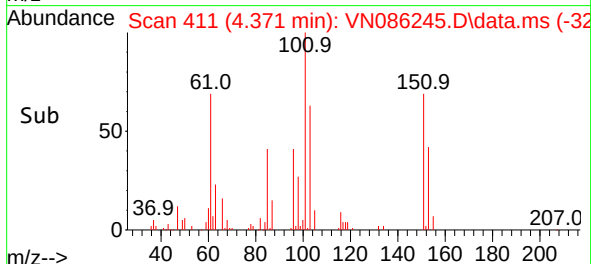
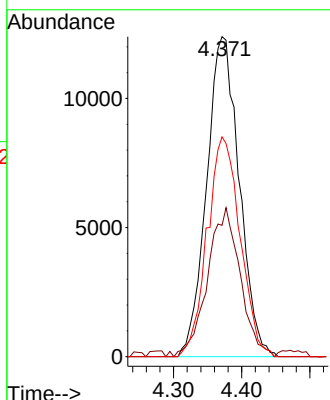
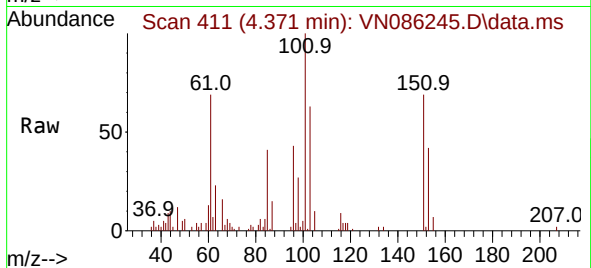
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.878 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VN086245.D
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Tgt Ion:101 Resp: 4125
 Ion Ratio Lower Upper
 101 100
 85 46.5 0.0 93.0
 151 69.3 0.0 138.6

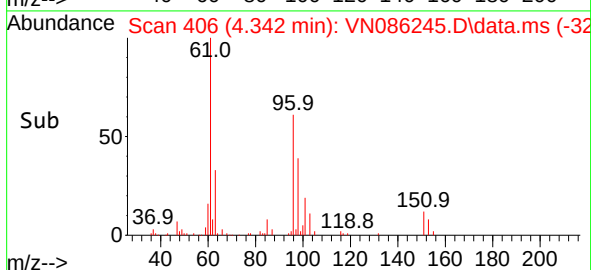
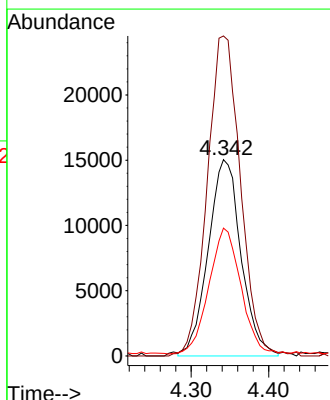
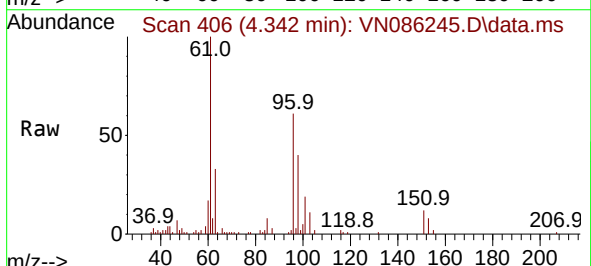
Manual Integrations
 APPROVED

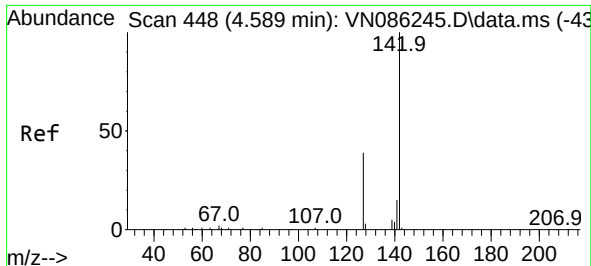
Reviewed By :John Carlone 04/14/2025
 Supervised By :Mahesh Dadoda 04/14/2025



#10
 1,1-Dichloroethene
 Concen: 18.782 ug/l
 RT: 4.342 min Scan# 406
 Delta R.T. 0.000 min
 Lab File: VN086245.D
 Acq: 11 Apr 2025 12:16

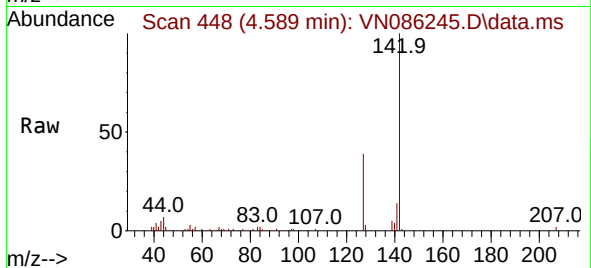
Tgt Ion: 96 Resp: 44299
 Ion Ratio Lower Upper
 96 100
 61 163.9 131.1 196.7
 98 64.5 51.6 77.4





#11
Methyl Iodide
Concen: 18.760 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

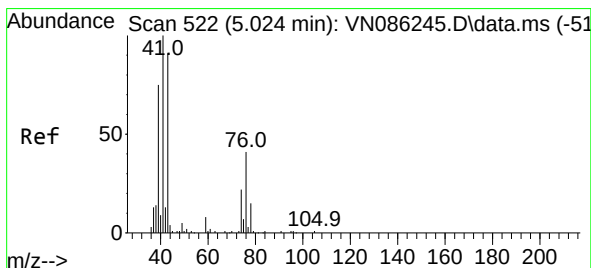
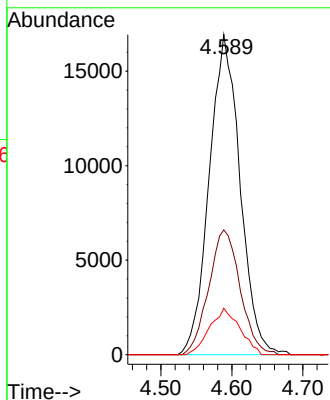
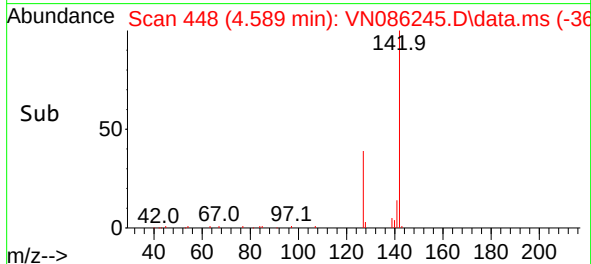
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:142 Resp: 50850
Ion Ratio Lower Upper
142 100
127 39.2 19.6 58.8
141 14.6 7.3 21.9

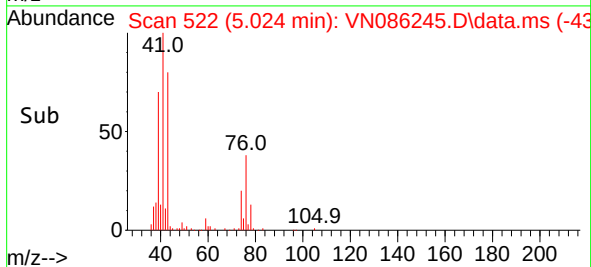
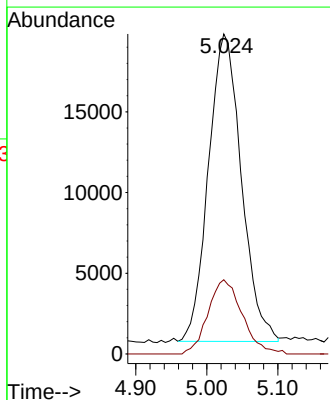
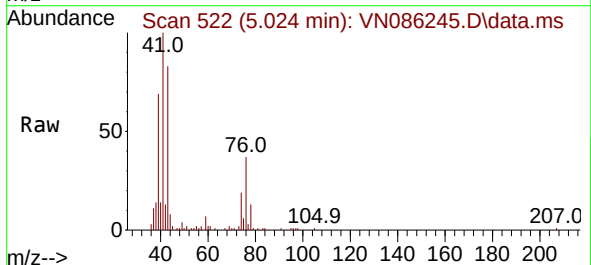
Manual Integrations
APPROVED

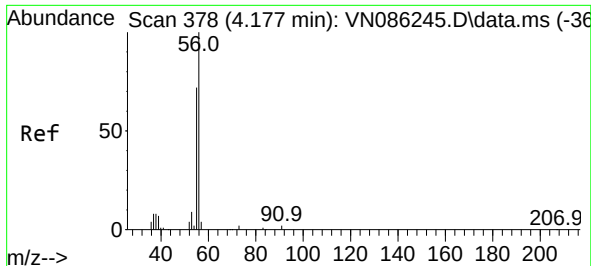
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#12
Methyl Acetate
Concen: 18.414 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Tgt Ion: 43 Resp: 61331
Ion Ratio Lower Upper
43 100
74 23.9 19.1 28.7





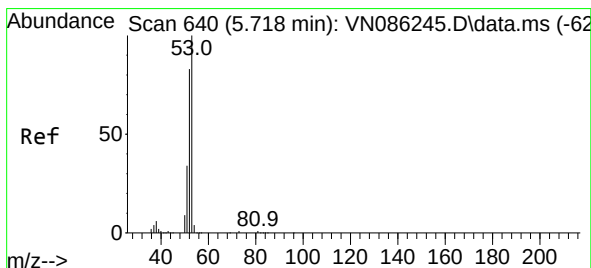
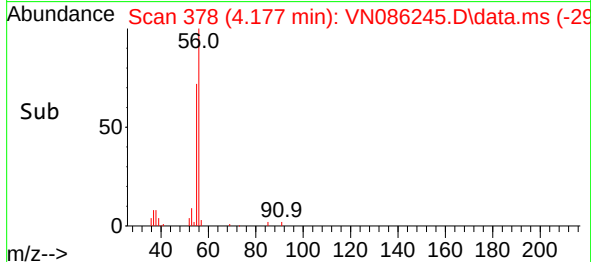
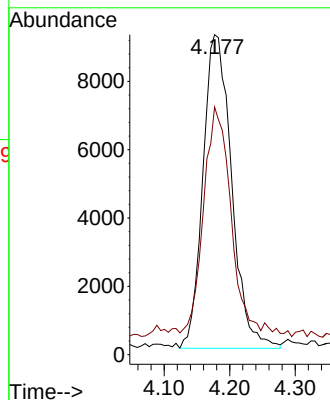
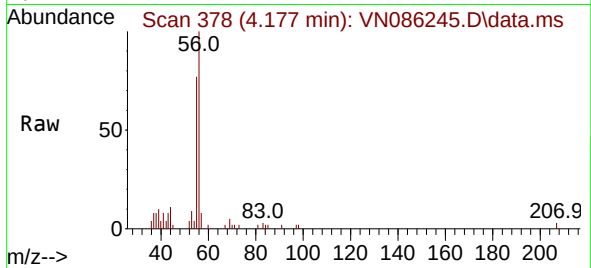
#13
Acrolein
Concen: 73.623 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 56 Resp: 2787
Ion Ratio Lower Upper
56 100
55 70.6 56.5 84.7

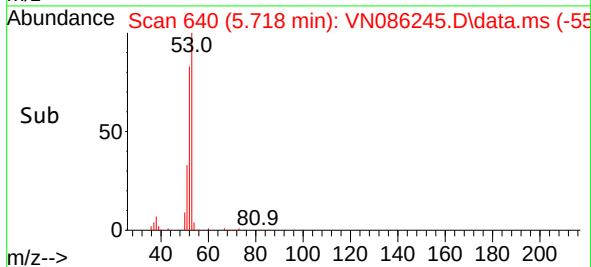
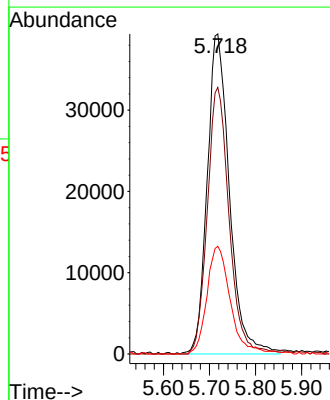
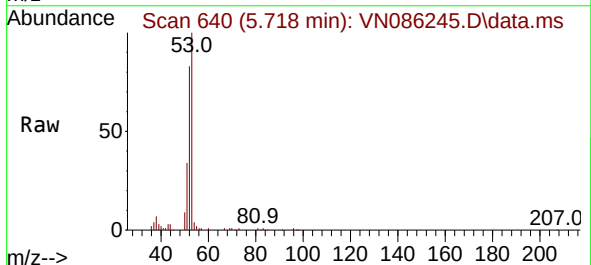
Manual Integrations
APPROVED

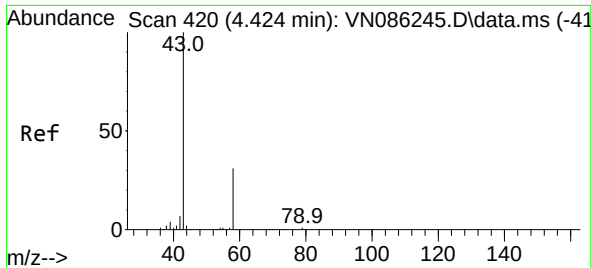
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#14
Acrylonitrile
Concen: 94.169 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Tgt Ion: 53 Resp: 132407
Ion Ratio Lower Upper
53 100
52 80.4 40.2 120.6
51 35.1 17.5 52.6





#15

Acetone

Concen: 95.196 ug/l

RT: 4.424 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN086245.D

Acq: 11 Apr 2025 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 58 Resp: 3396

Ion Ratio Lower Upper

58 100

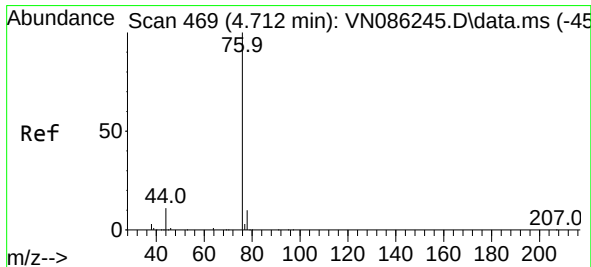
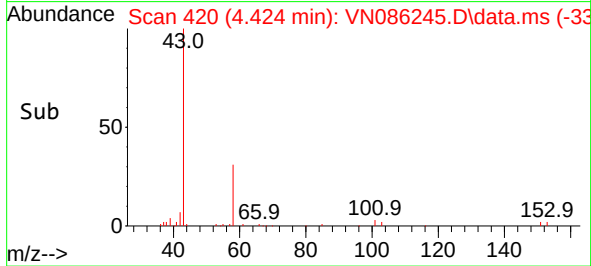
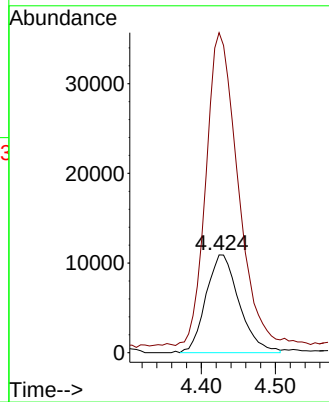
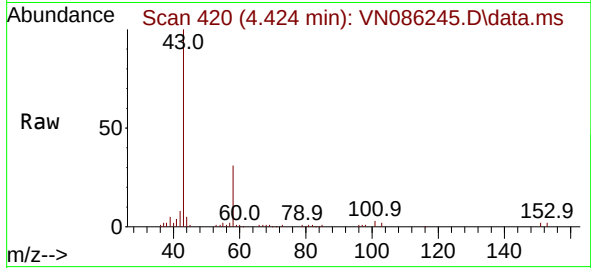
43 317.0 261.8 392.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#16

Carbon Disulfide

Concen: 19.155 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN086245.D

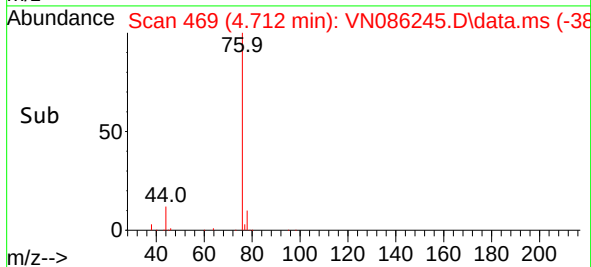
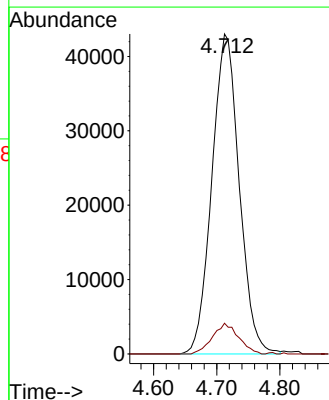
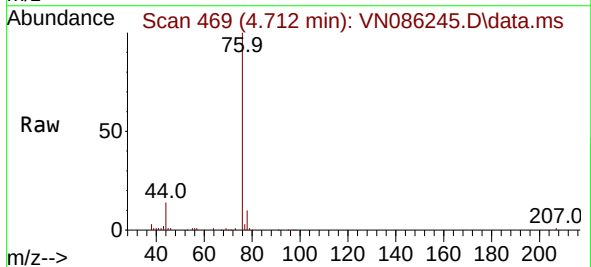
Acq: 11 Apr 2025 12:16

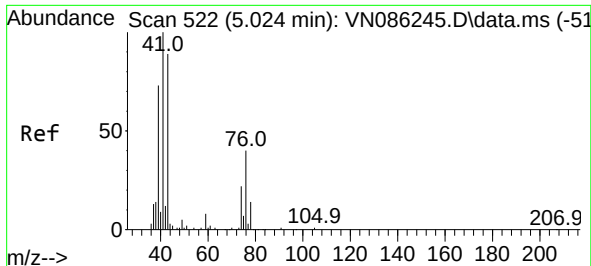
Tgt Ion: 76 Resp: 129547

Ion Ratio Lower Upper

76 100

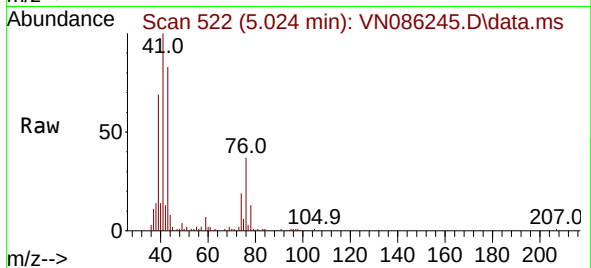
78 9.6 7.7 11.5





#17
 Allyl chloride
 Concen: 18.648 ug/l
 RT: 5.024 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VN086245.D
 Acq: 11 Apr 2025 12:16

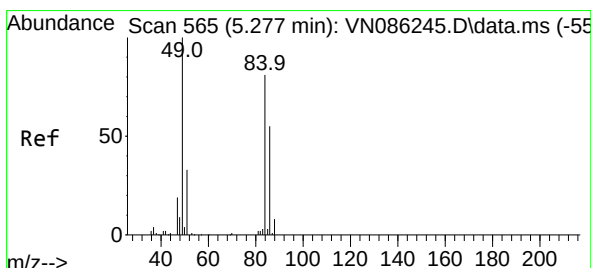
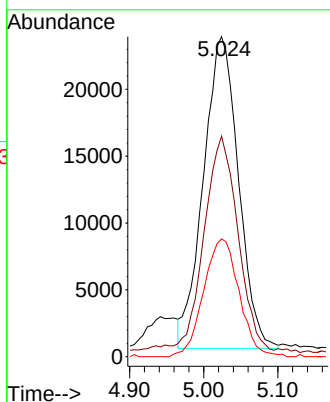
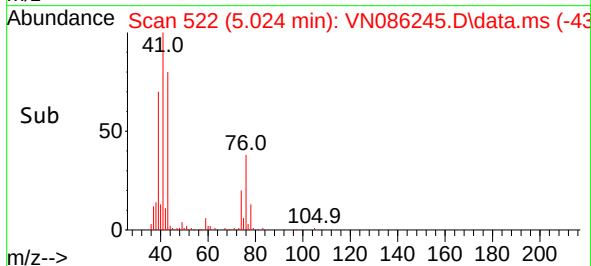
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



Tgt Ion:	41	Resp:	7665
Ion	Ratio	Lower	Upper
41	100		
39	68.8	34.4	103.2
76	37.5	18.8	56.3

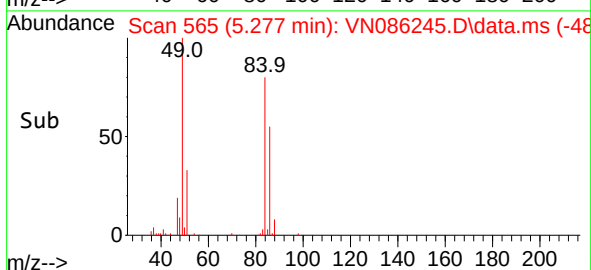
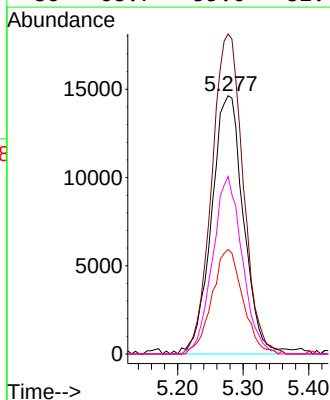
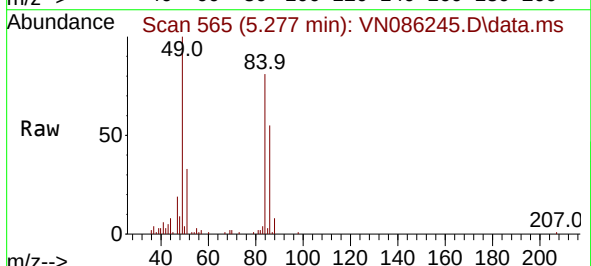
Manual Integrations
 APPROVED

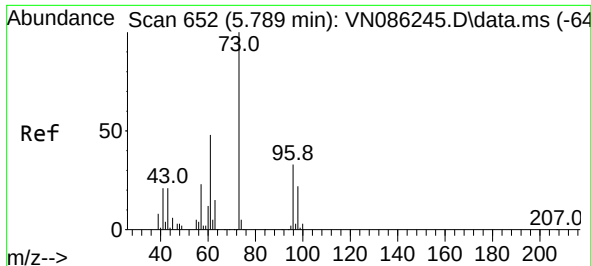
Reviewed By :John Carlone 04/14/2025
 Supervised By :Mahesh Dadoda 04/14/2025



#18
 Methylene Chloride
 Concen: 18.333 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. 0.000 min
 Lab File: VN086245.D
 Acq: 11 Apr 2025 12:16

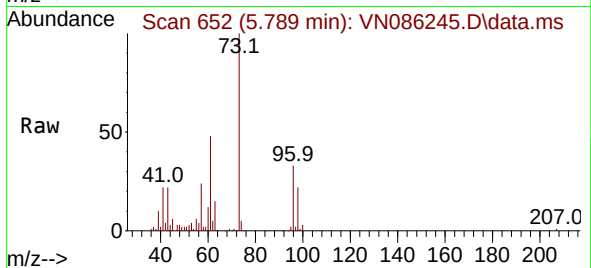
Tgt Ion:	84	Resp:	49299
Ion	Ratio	Lower	Upper
84	100		
49	123.9	99.1	148.7
51	40.4	32.3	48.5
86	68.7	55.0	82.4





#19
trans-1,2-Dichloroethene
Concen: 21.553 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

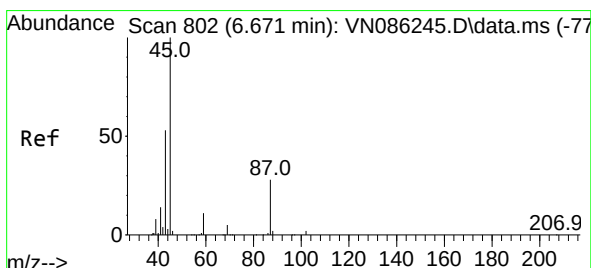
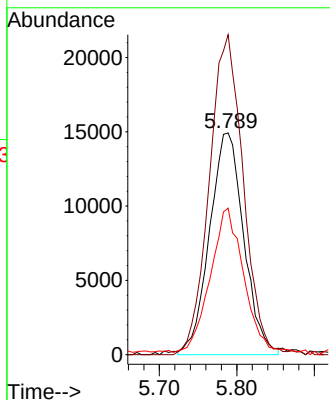
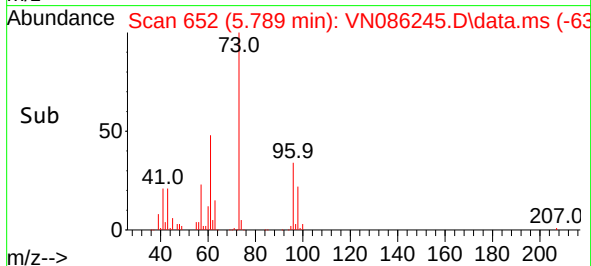
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 96 Resp: 45854
Ion Ratio Lower Upper
96 100
61 144.9 115.9 173.9
98 65.1 52.1 78.1

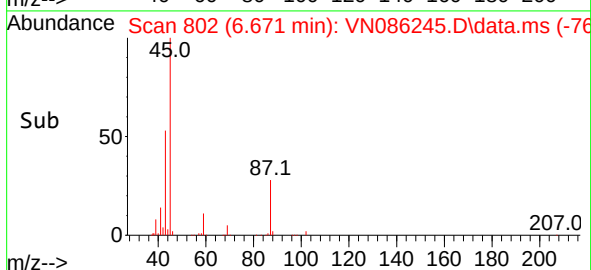
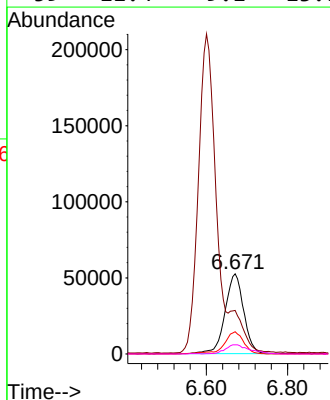
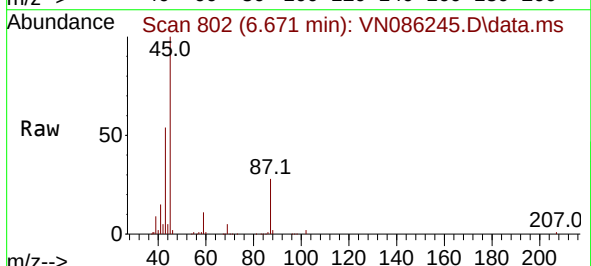
Manual Integrations
APPROVED

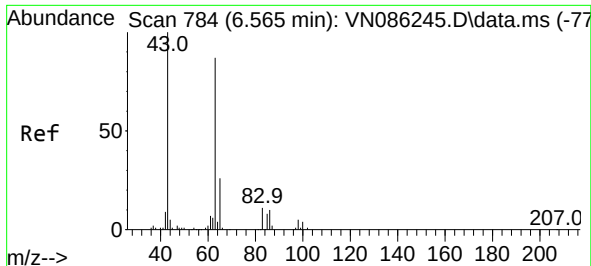
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#20
Diisopropyl ether
Concen: 18.905 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Tgt Ion: 45 Resp: 167099
Ion Ratio Lower Upper
45 100
43 52.9 42.3 63.5
87 27.8 22.2 33.4
59 11.4 9.1 13.7





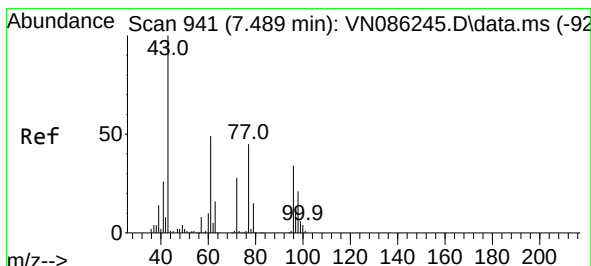
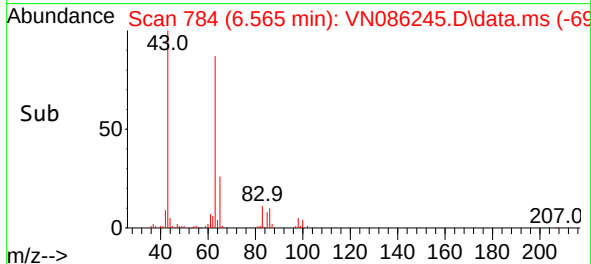
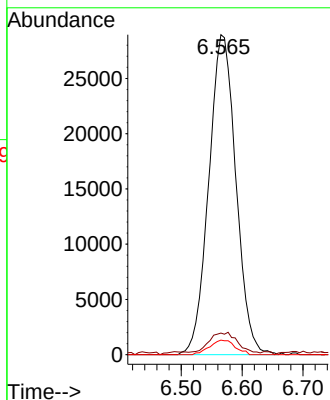
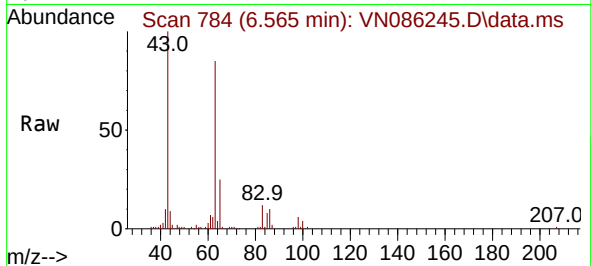
#21
1,1-Dichloroethane
Concen: 19.030 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 89720
Ion Ratio Lower Upper
63 100
98 6.2 3.1 9.3
100 4.6 2.3 6.9

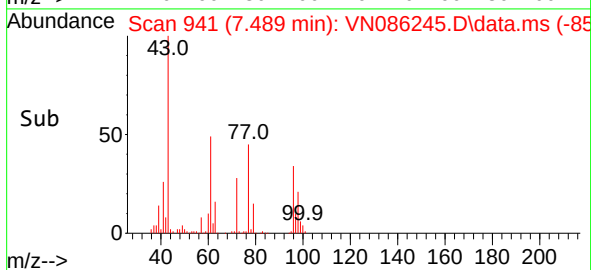
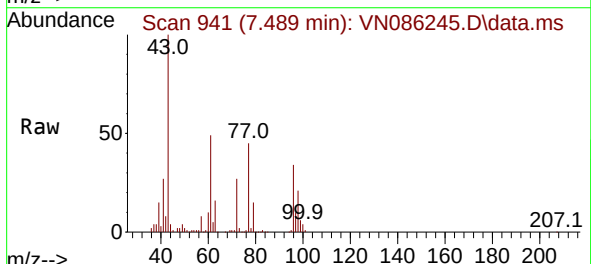
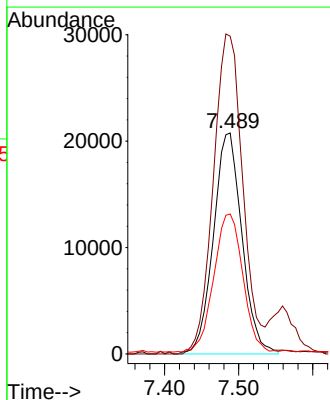
Manual Integrations
APPROVED

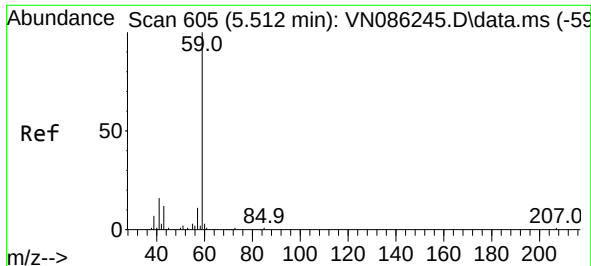
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#22
cis-1,2-Dichloroethene
Concen: 18.766 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

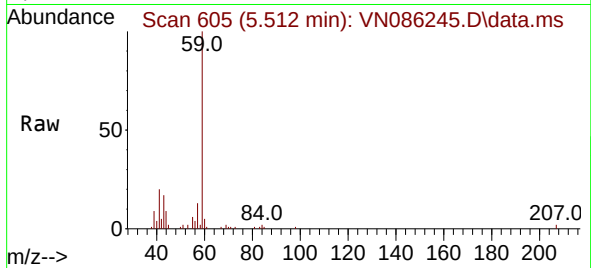
Tgt Ion: 96 Resp: 55538
Ion Ratio Lower Upper
96 100
61 149.4 119.5 179.3
98 63.8 51.0 76.6





#23
tert-Butyl Alcohol
Concen: 96.582 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

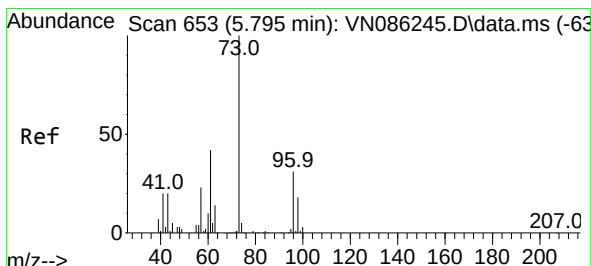
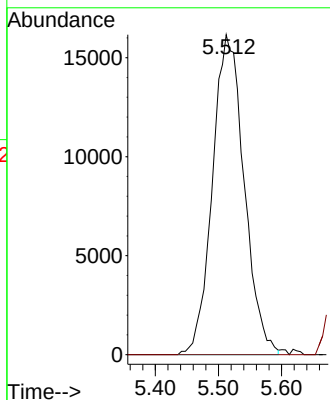
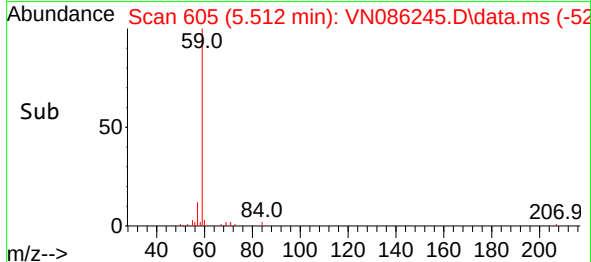
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



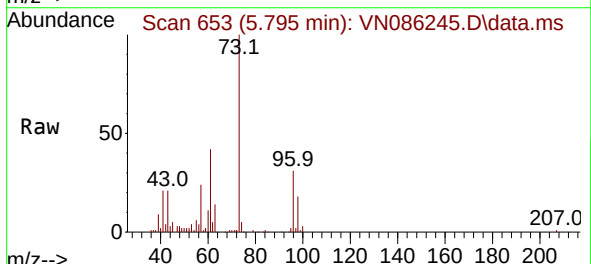
Tgt Ion: 59 Resp: 56269
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
APPROVED

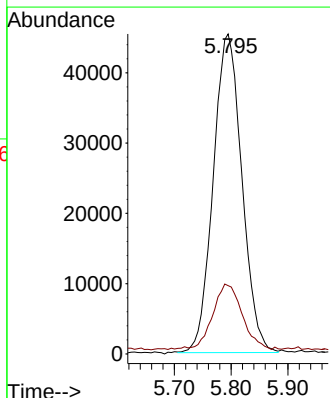
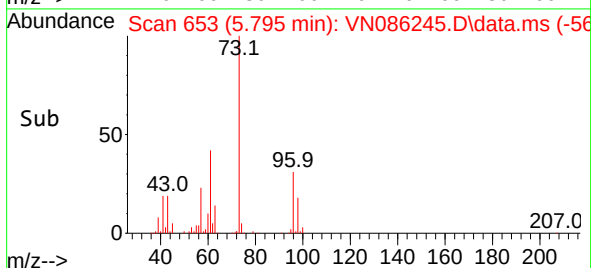
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

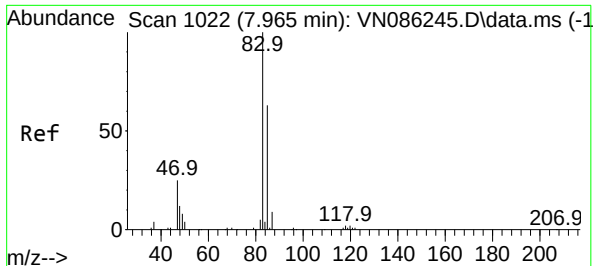


#24
Methyl tert-Butyl Ether
Concen: 18.690 ug/l
RT: 5.795 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16



Tgt Ion: 73 Resp: 158818
Ion Ratio Lower Upper
73 100
43 21.0 16.8 25.2





#25

Chloroform

Concen: 18.796 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN086245.D

Acq: 11 Apr 2025 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 83 Resp: 8451

Ion Ratio Lower Upper

83 100

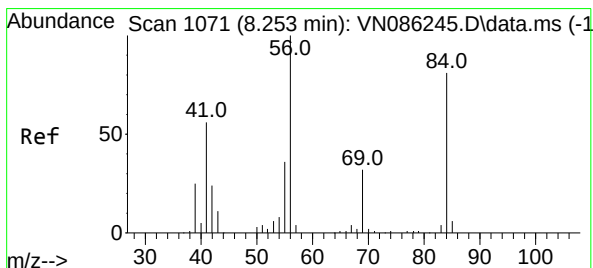
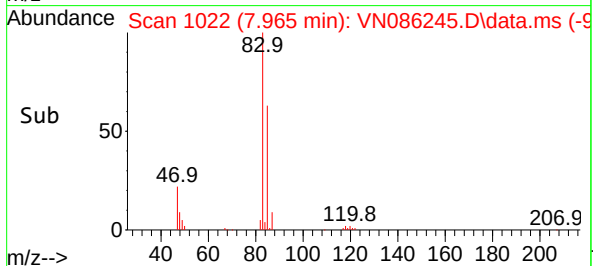
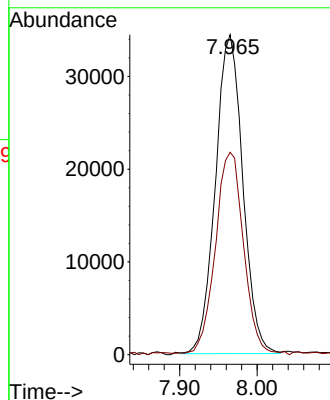
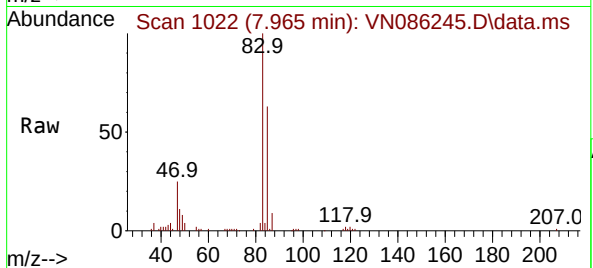
85 63.1 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#26

Cyclohexane

Concen: 18.462 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN086245.D

Acq: 11 Apr 2025 12:16

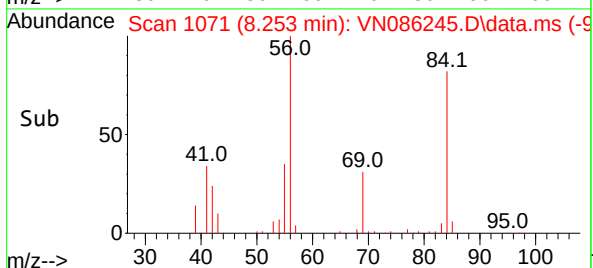
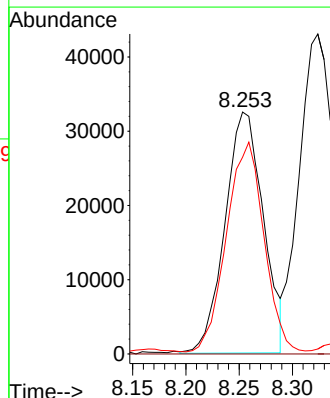
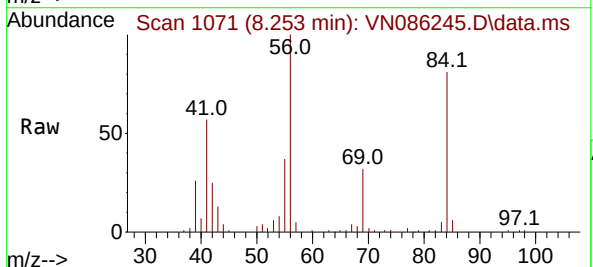
Tgt Ion: 56 Resp: 81442

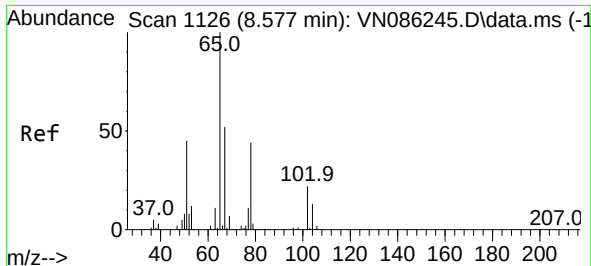
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 86.2 69.0 103.4





#27

1,2-Dichloroethane-d4

Concen: 29.776 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086245.D

Acq: 11 Apr 2025 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 65 Resp: 89958

Ion Ratio Lower Upper

65 100

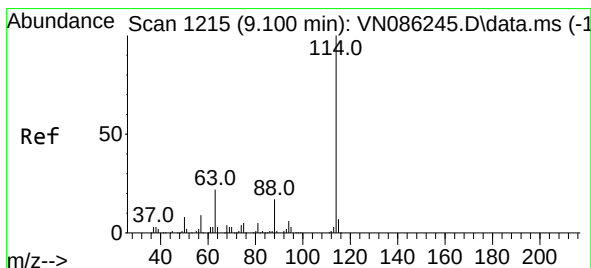
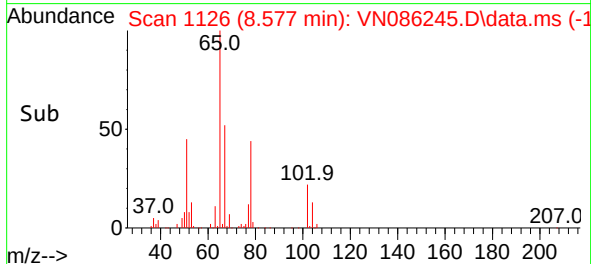
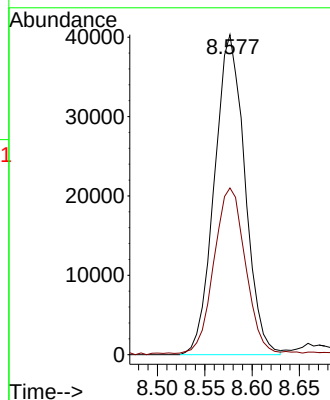
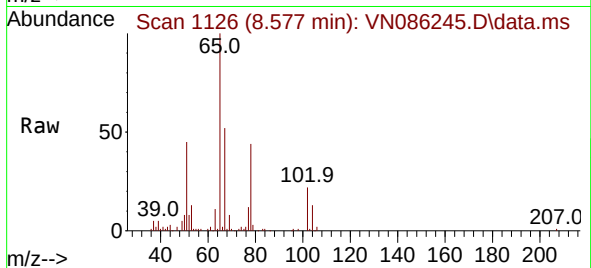
67 54.3 43.4 65.2

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: VN086245.D

Acq: 11 Apr 2025 12:16

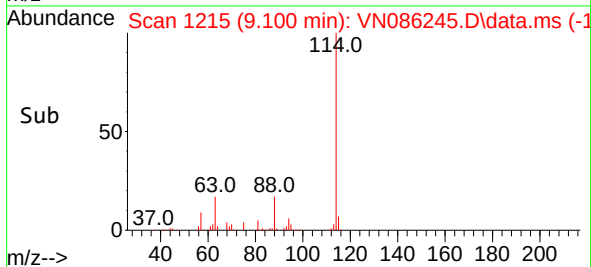
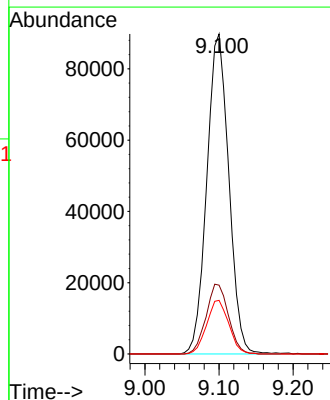
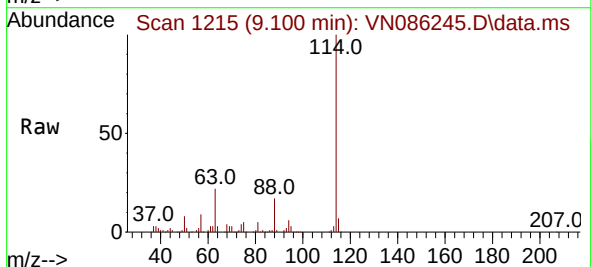
Tgt Ion:114 Resp: 185020

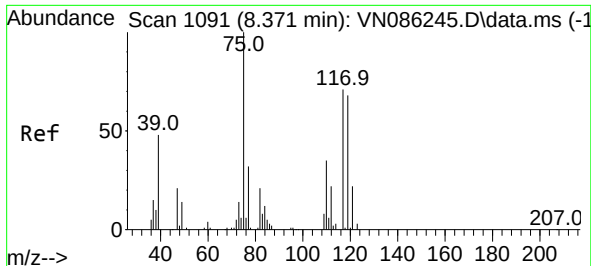
Ion Ratio Lower Upper

114 100

63 22.2 17.8 26.6

88 16.8 13.4 20.2





#29

1,1-Dichloropropene

Concen: 19.129 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.000 min

Lab File: VN086245.D

Acq: 11 Apr 2025 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

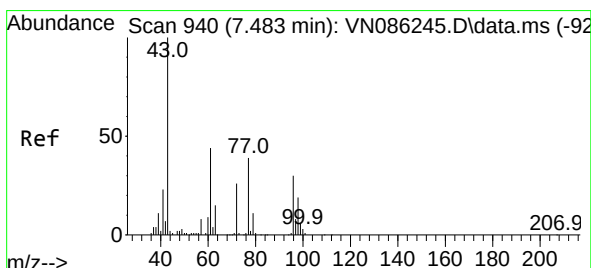
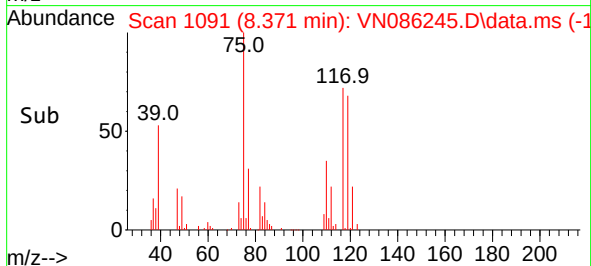
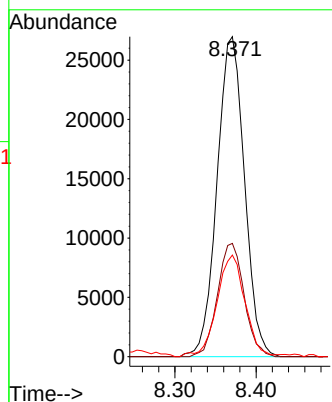
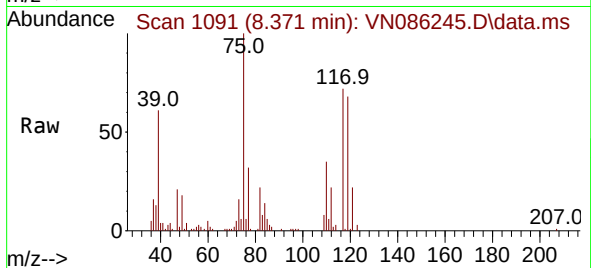
Tgt Ion: 75	Resp: 6340
Ion Ratio	Lower Upper
75	100
110	34.3 0.0 68.6
77	31.9 0.0 63.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#30

2-Butanone

Concen: 97.263 ug/l

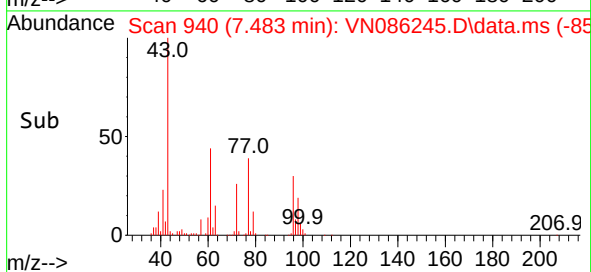
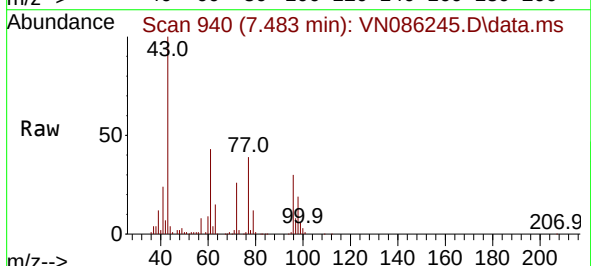
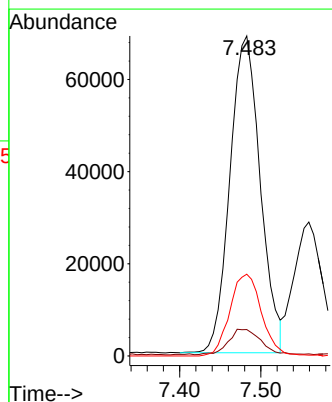
RT: 7.483 min Scan# 940

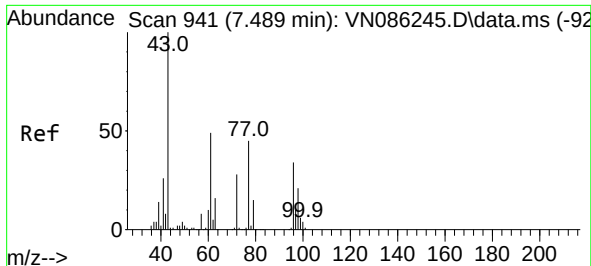
Delta R.T. 0.000 min

Lab File: VN086245.D

Acq: 11 Apr 2025 12:16

Tgt Ion: 43	Resp: 178630
Ion Ratio	Lower Upper
43	100
57	8.0 6.4 9.6
72	26.9 21.5 32.3





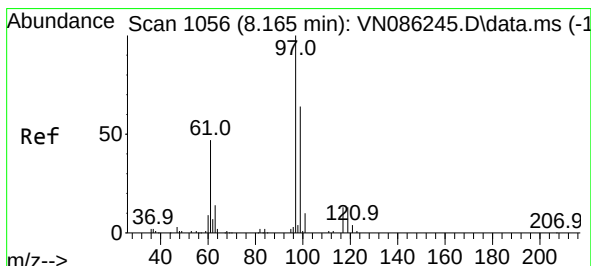
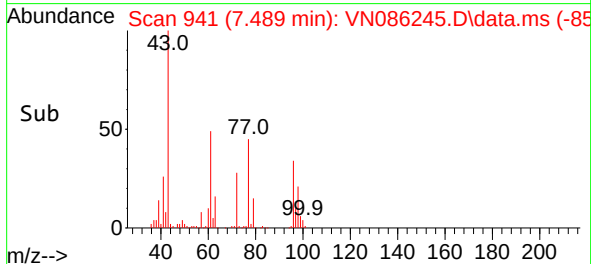
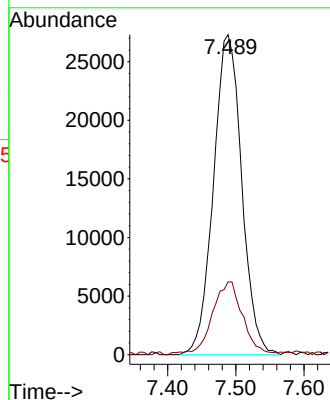
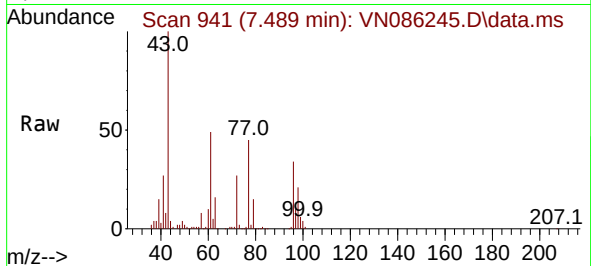
#31
2,2-Dichloropropane
Concen: 19.298 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 77 Resp: 7873
Ion Ratio Lower Upper
77 100
97 23.5 18.8 28.2

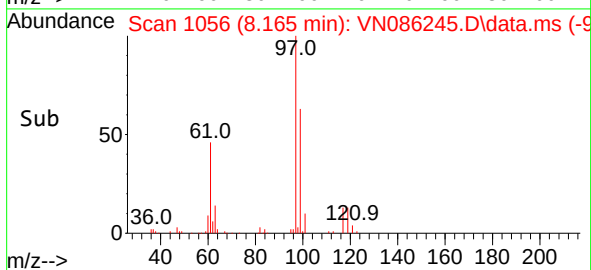
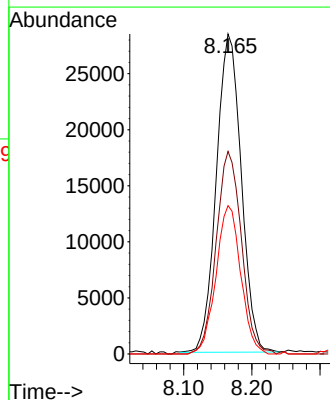
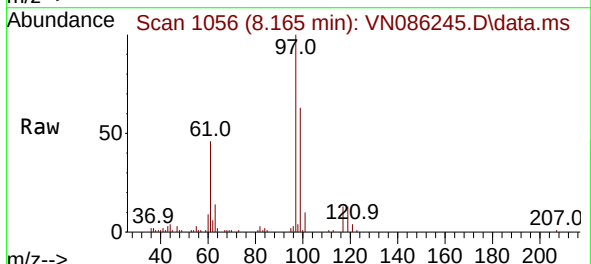
Manual Integrations
APPROVED

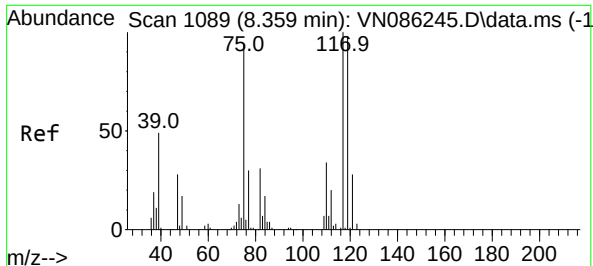
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#32
1,1,1-Trichloroethane
Concen: 18.945 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

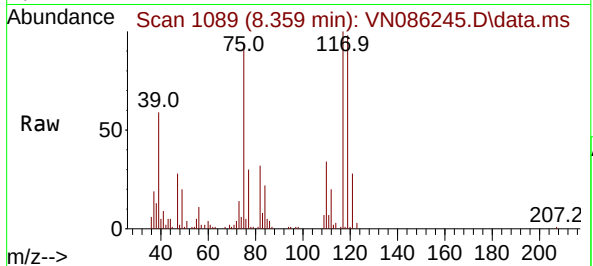
Tgt Ion: 97 Resp: 72230
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 46.3 37.0 55.6





#33
Carbon Tetrachloride
Concen: 19.114 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

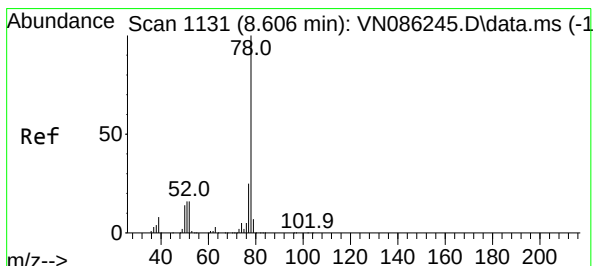
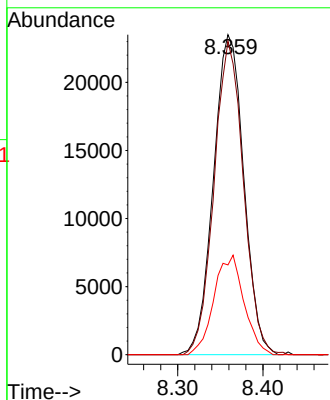
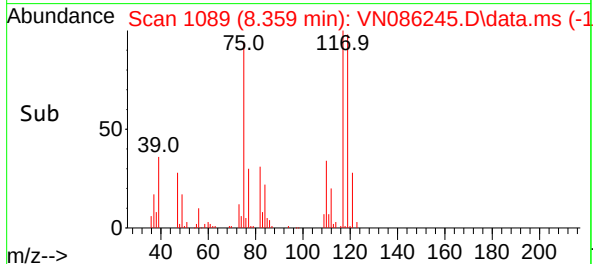
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 117 Resp: 58240
Ion Ratio Lower Upper
117 100
119 97.9 78.3 117.5
121 28.1 22.5 33.7

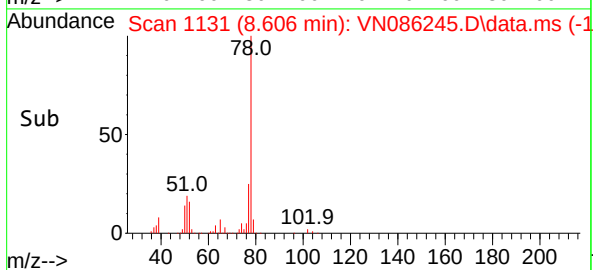
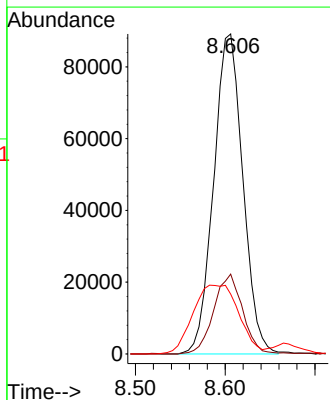
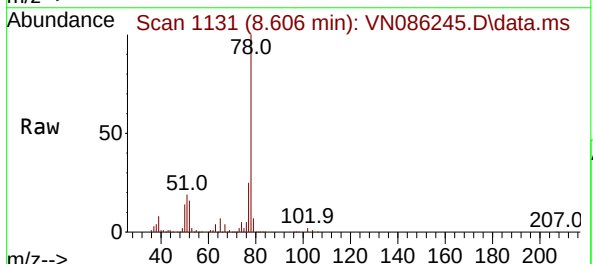
Manual Integrations
APPROVED

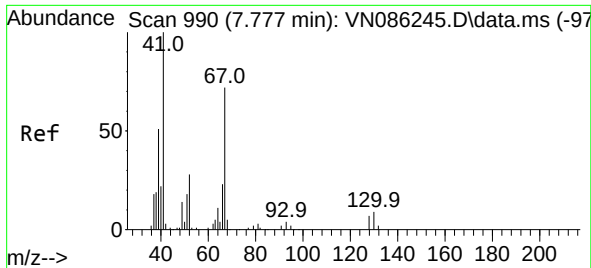
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#34
Benzene
Concen: 19.103 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

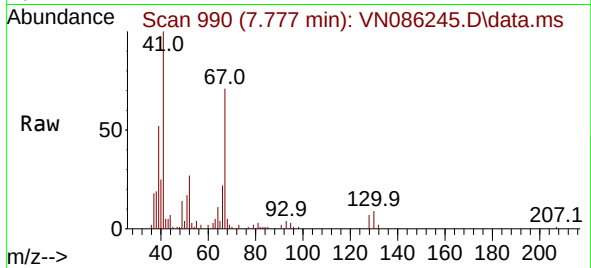
Tgt Ion: 78 Resp: 201431
Ion Ratio Lower Upper
78 100
77 25.0 20.0 30.0
51 16.1 12.9 19.3





#35
Methacrylonitrile
Concen: 18.953 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

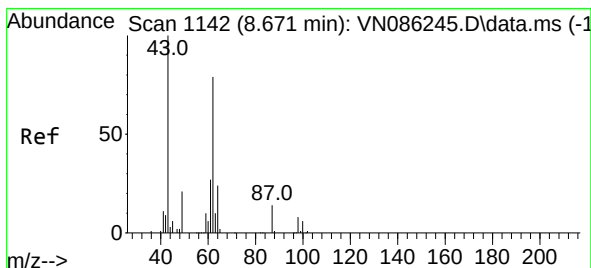
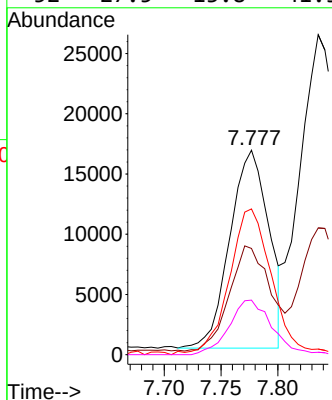
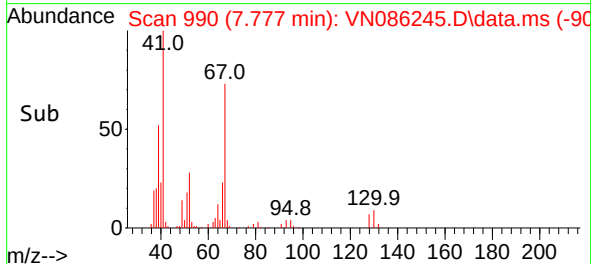
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:	41	Resp:	3924
Ion Ratio	100	Lower	Upper
39	51.5	25.8	77.3
67	72.0	36.0	108.0
52	27.5	13.8	41.3

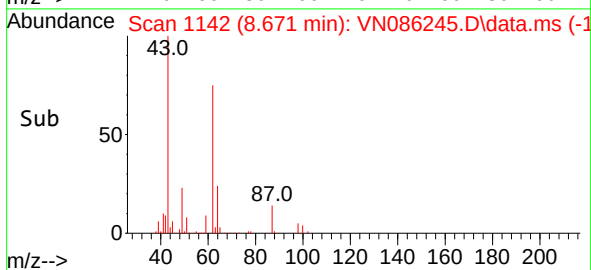
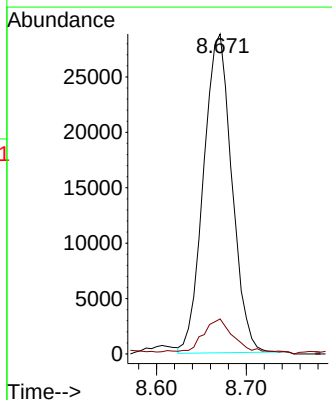
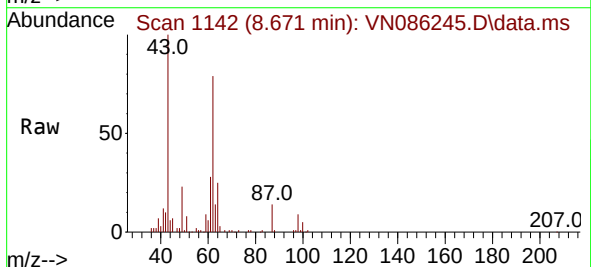
Manual Integrations
APPROVED

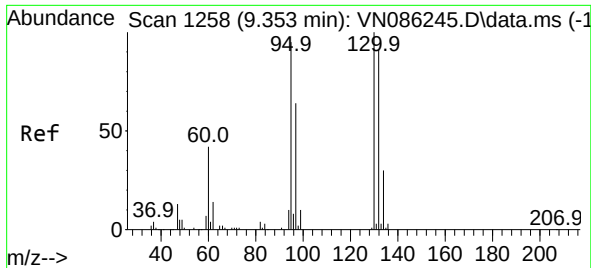
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#36
1,2-Dichloroethane
Concen: 19.124 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Tgt Ion:	62	Resp:	63104
Ion Ratio	100	Lower	Upper
98	10.7	8.6	12.8





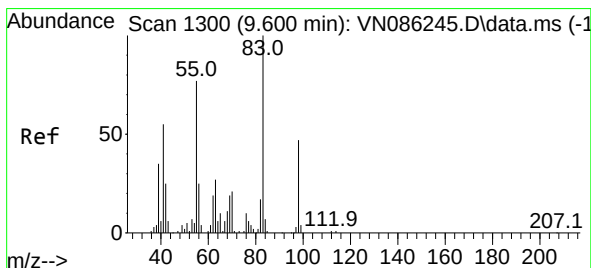
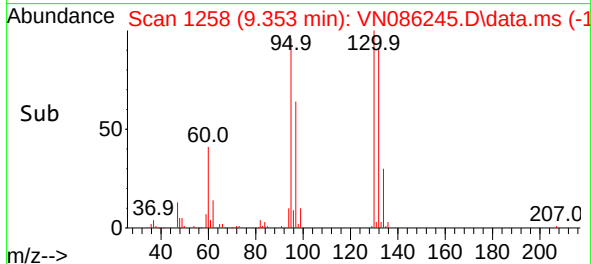
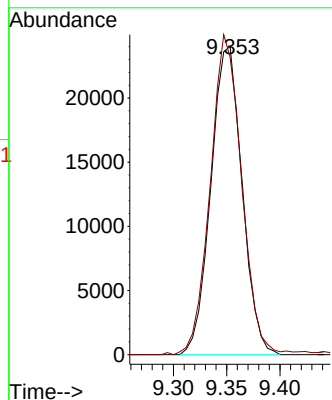
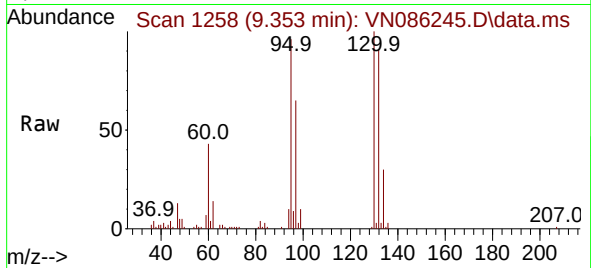
#37
Trichloroethene
Concen: 19.215 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:130 Resp: 4888
Ion Ratio Lower Upper
130 100
95 95.5 76.4 114.6

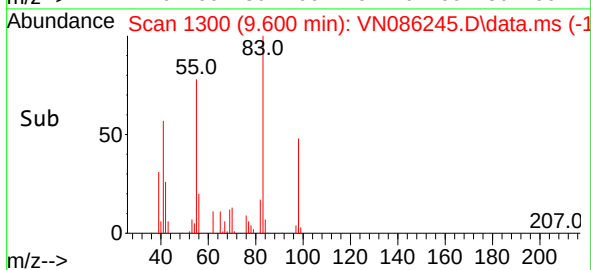
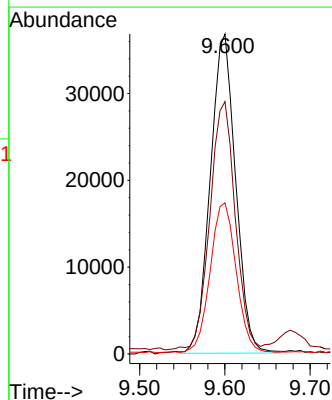
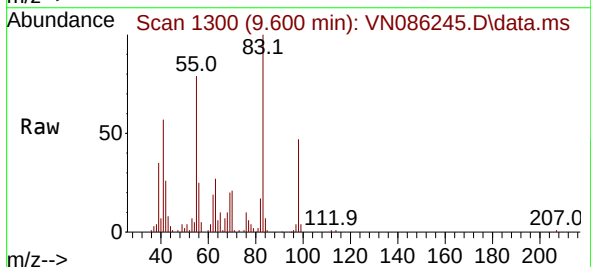
Manual Integrations
APPROVED

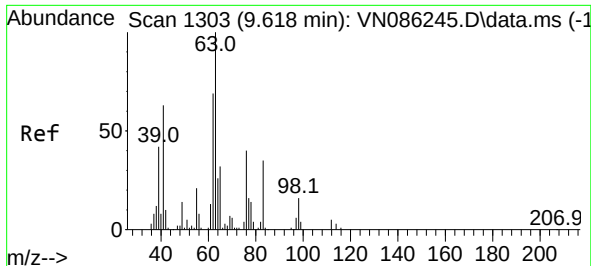
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#38
Methylcyclohexane
Concen: 18.695 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

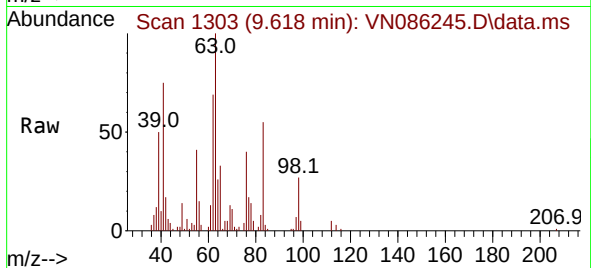
Tgt Ion: 83 Resp: 75994
Ion Ratio Lower Upper
83 100
55 77.0 38.5 115.5
98 48.8 24.4 73.2





#39
1,2-Dichloropropane
Concen: 19.028 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

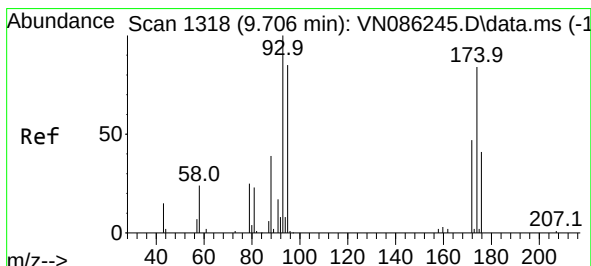
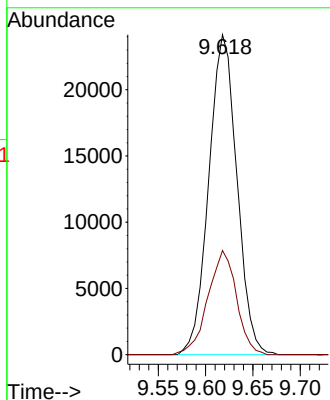
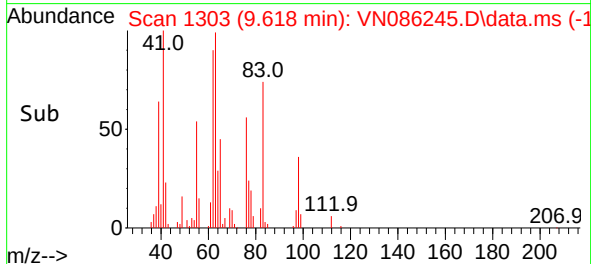
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 63 Resp: 4992
Ion Ratio Lower Upper
63 100
65 32.5 26.0 39.0

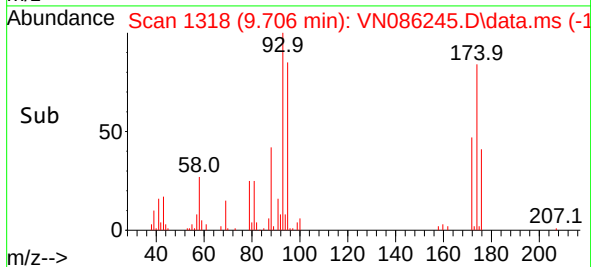
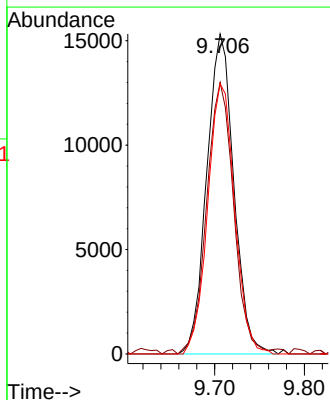
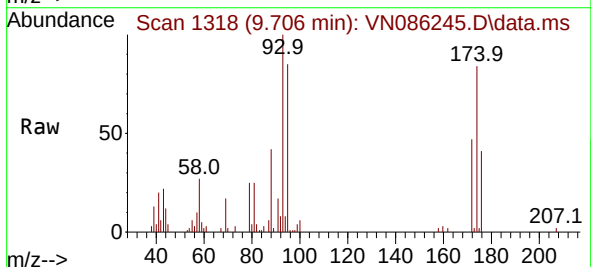
Manual Integrations
APPROVED

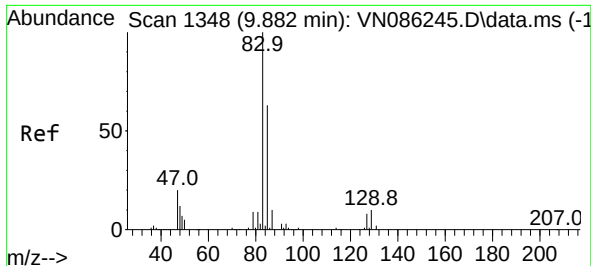
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#40
Dibromomethane
Concen: 18.960 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Tgt Ion: 93 Resp: 32130
Ion Ratio Lower Upper
93 100
95 84.5 0.0 169.0
174 84.0 0.0 168.0





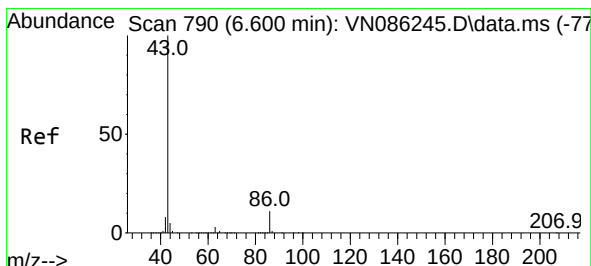
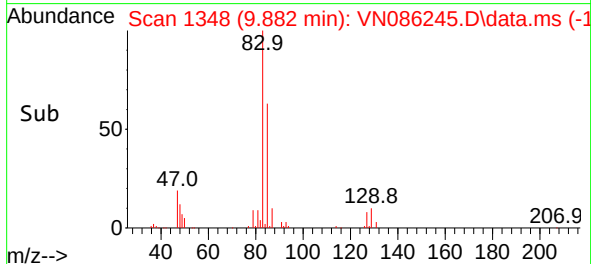
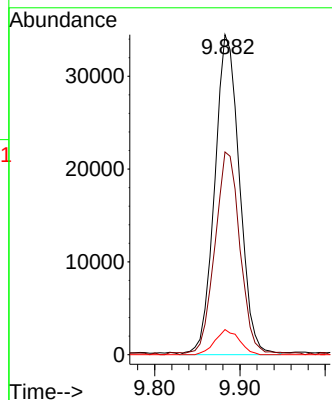
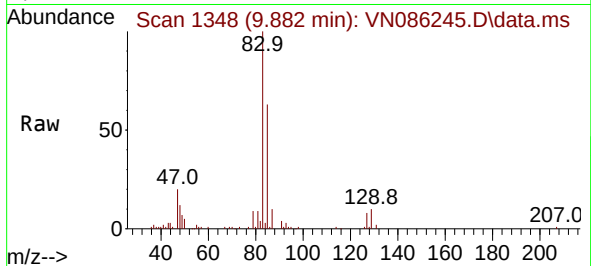
#41
Bromodichloromethane
Concen: 19.149 ug/l
RT: 9.882 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 83 Resp: 6971
Ion Ratio Lower Upper
83 100
85 62.7 50.2 75.2
127 7.8 6.2 9.4

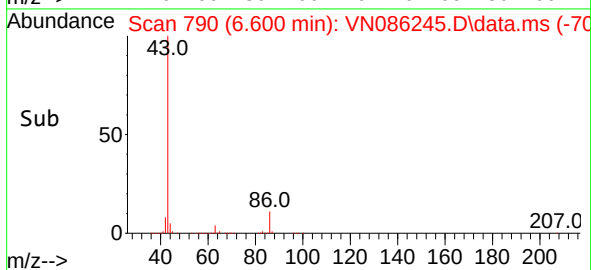
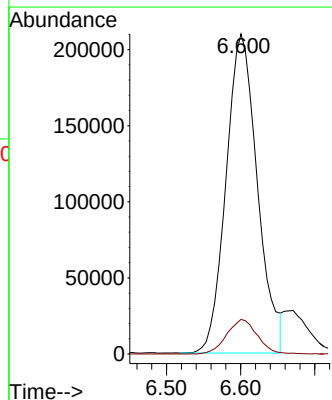
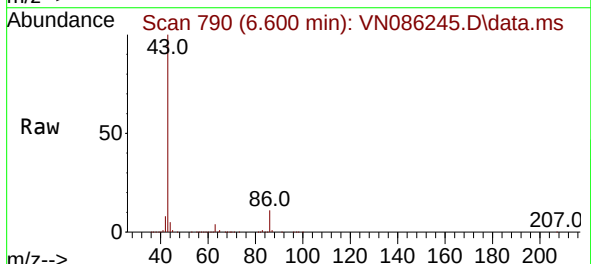
Manual Integrations
APPROVED

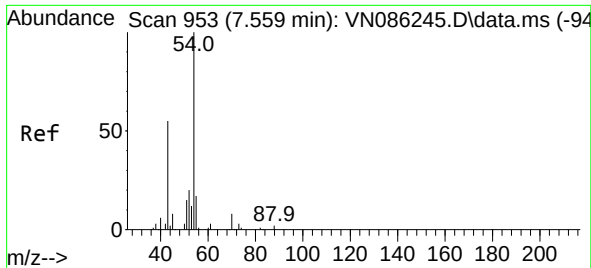
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#42
Vinyl Acetate
Concen: 98.633 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Tgt Ion: 43 Resp: 616622
Ion Ratio Lower Upper
43 100
86 10.5 8.4 12.6





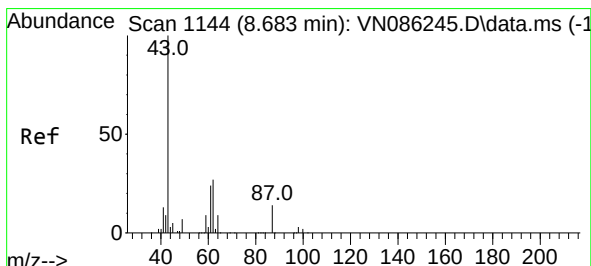
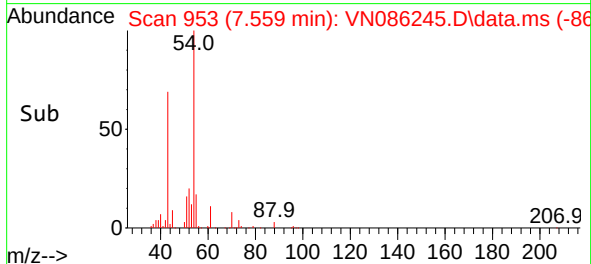
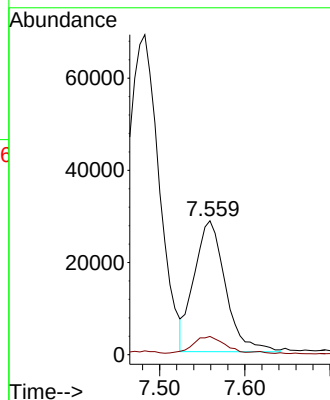
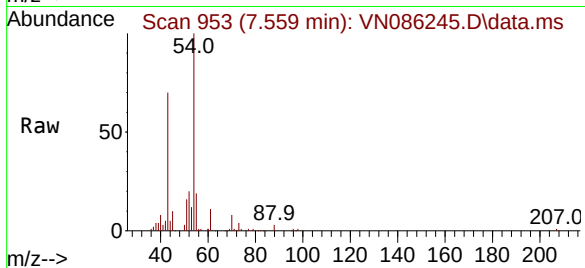
#43
Ethyl Acetate
Concen: 19.607 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 7263
Ion Ratio Lower Upper
43 100
45 14.0 11.2 16.8

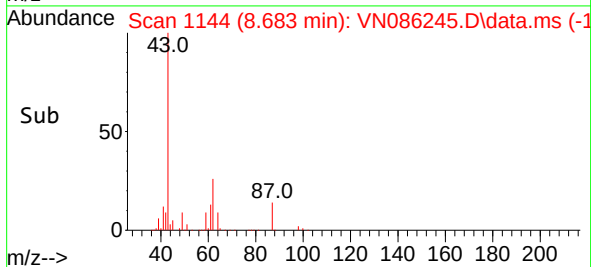
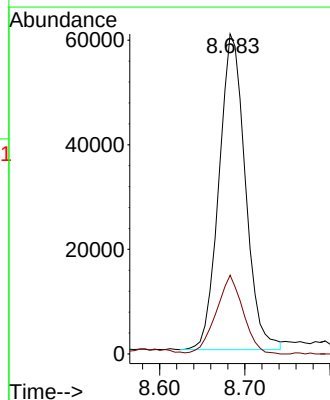
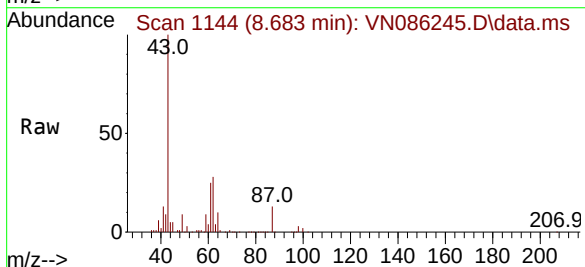
Manual Integrations
APPROVED

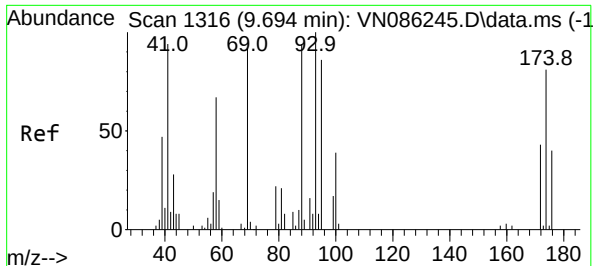
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#44
Isopropyl Acetate
Concen: 18.850 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Tgt Ion: 43 Resp: 129543
Ion Ratio Lower Upper
43 100
61 25.6 20.5 30.7





#45

1,4-Dioxane

Concen: 386.736 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN086245.D

Acq: 11 Apr 2025 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 88 Resp: 21134

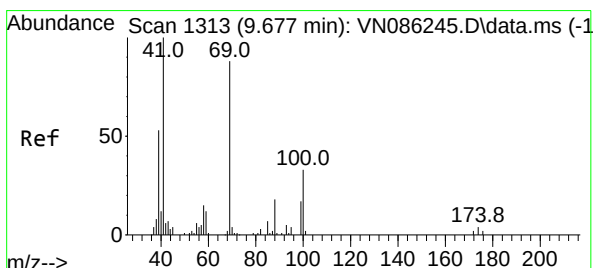
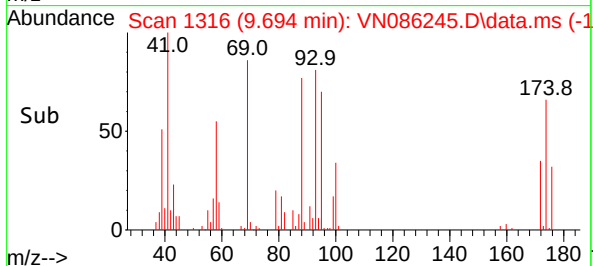
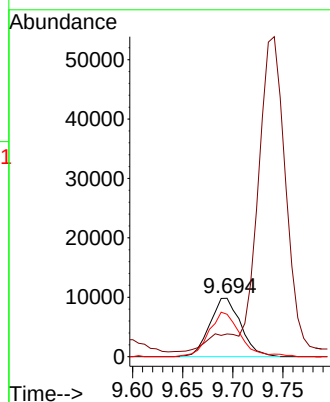
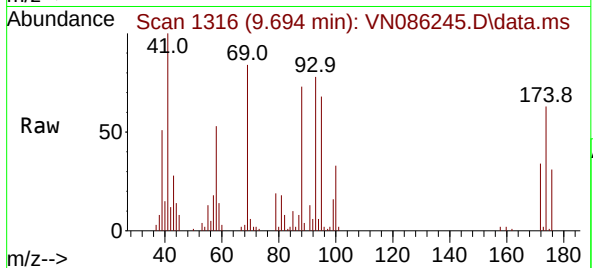
Ion	Ratio	Lower	Upper
88	100		
43	18.0	14.4	21.6
58	74.8	59.8	89.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#46

Methyl methacrylate

Concen: 19.192 ug/l

RT: 9.677 min Scan# 1313

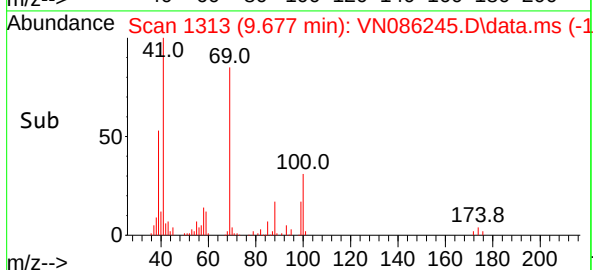
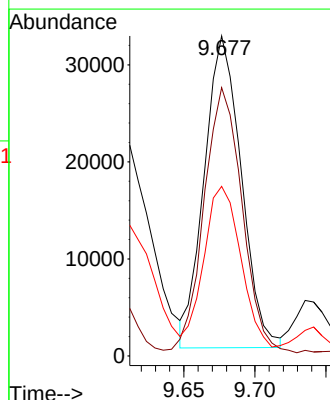
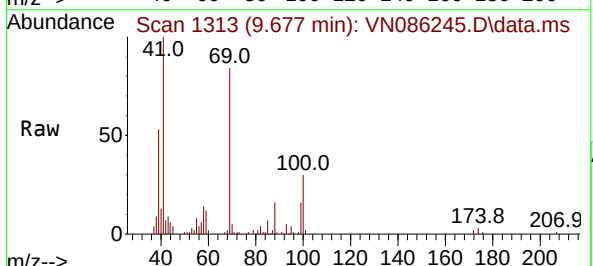
Delta R.T. 0.000 min

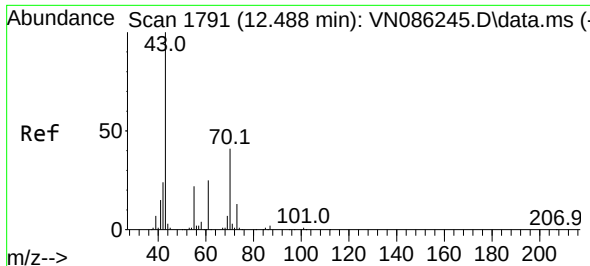
Lab File: VN086245.D

Acq: 11 Apr 2025 12:16

Tgt Ion: 41 Resp: 58112

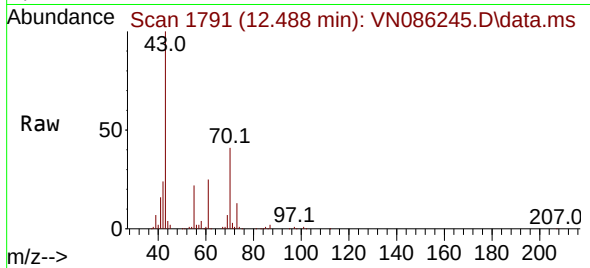
Ion	Ratio	Lower	Upper
41	100		
69	86.4	43.2	129.6
39	52.7	26.4	79.0





#47
n-amyl acetate
Concen: 18.304 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

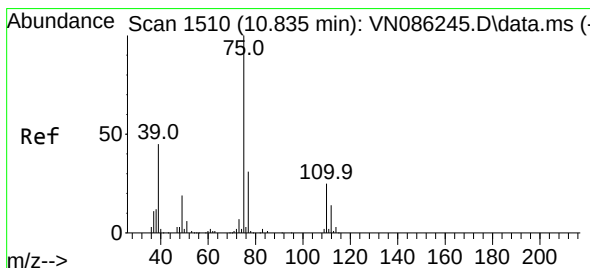
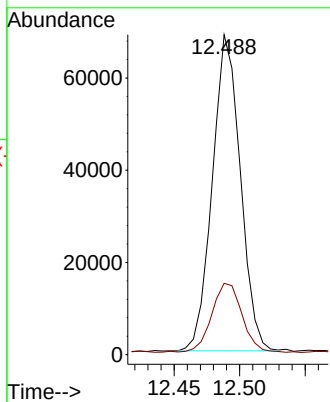
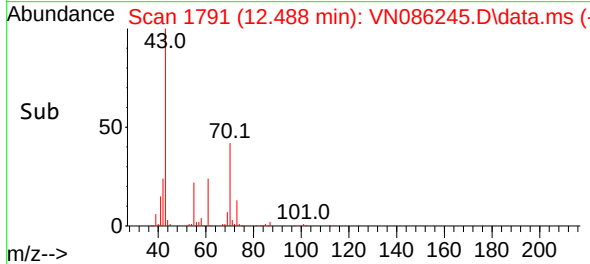
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 43 Resp: 101635
Ion Ratio Lower Upper
43 100
55 23.7 19.0 28.4

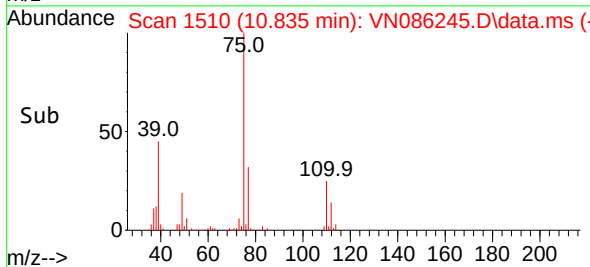
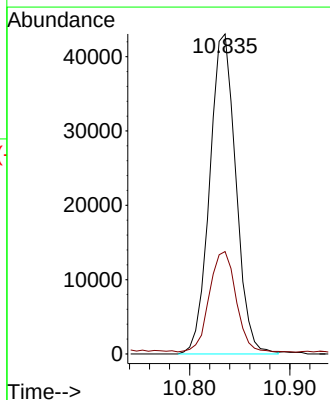
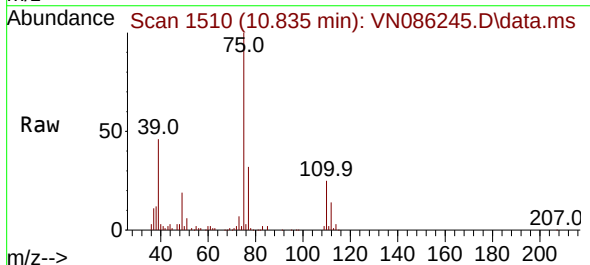
Manual Integrations
APPROVED

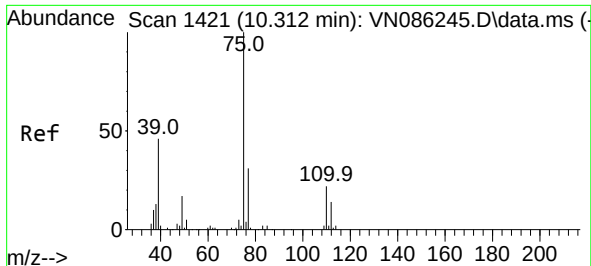
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#48
t-1,3-Dichloropropene
Concen: 18.977 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Tgt Ion: 75 Resp: 78104
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7





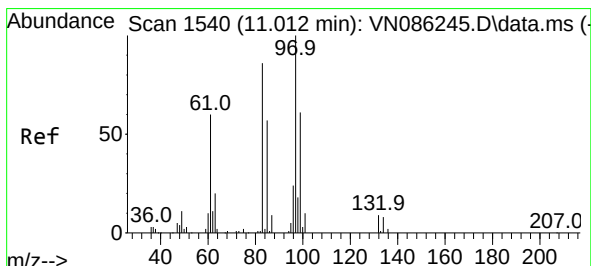
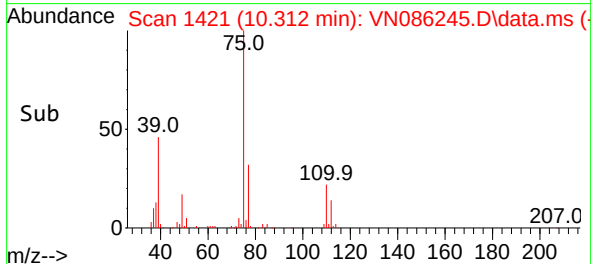
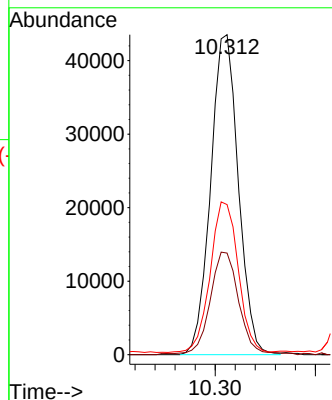
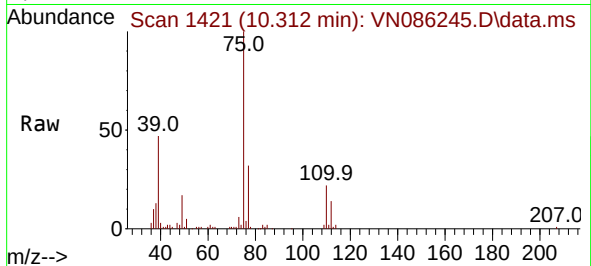
#49
 cis-1,3-Dichloropropene
 Concen: 19.170 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.000 min
 Lab File: VN086245.D
 Acq: 11 Apr 2025 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	45.9	36.7	55.1

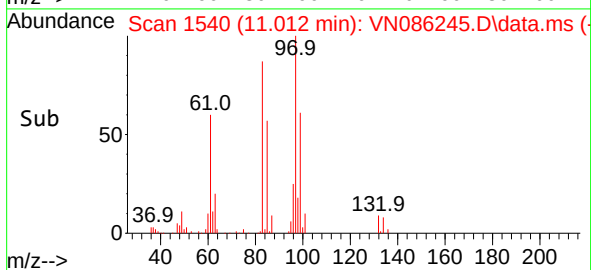
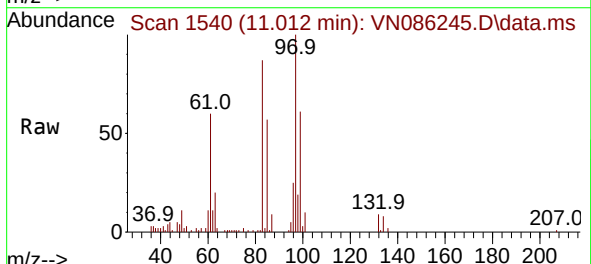
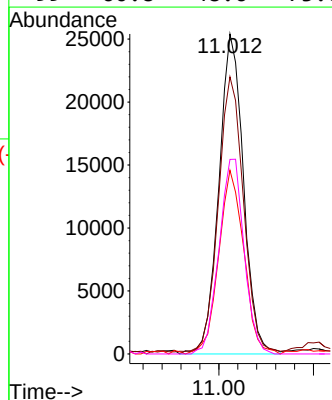
Manual Integrations
 APPROVED

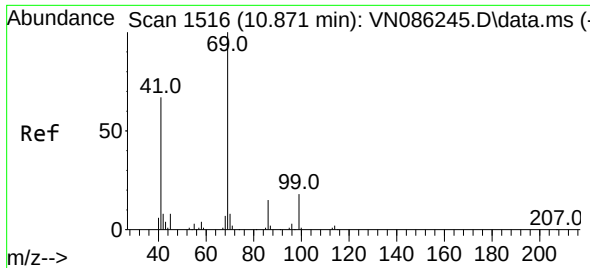
Reviewed By :John Carlone 04/14/2025
 Supervised By :Mahesh Dadoda 04/14/2025



#50
 1,1,2-Trichloroethane
 Concen: 19.308 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. 0.000 min
 Lab File: VN086245.D
 Acq: 11 Apr 2025 12:16

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.6	103.0
85	57.4	45.9	68.9
99	60.8	48.6	73.0





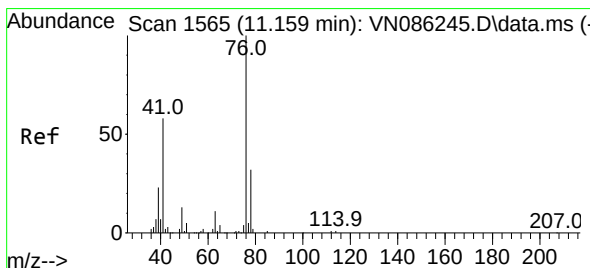
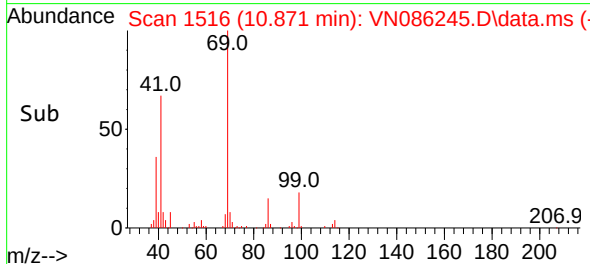
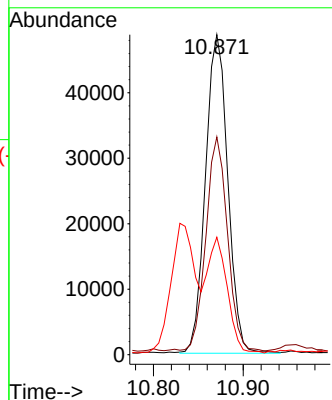
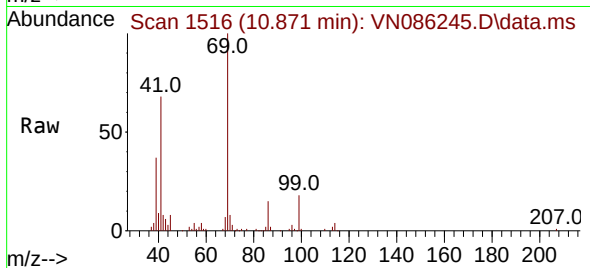
#51
Ethyl methacrylate
Concen: 19.027 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 69 Resp: 8404
Ion Ratio Lower Upper
69 100
41 67.1 33.6 100.6
39 35.6 17.8 53.4

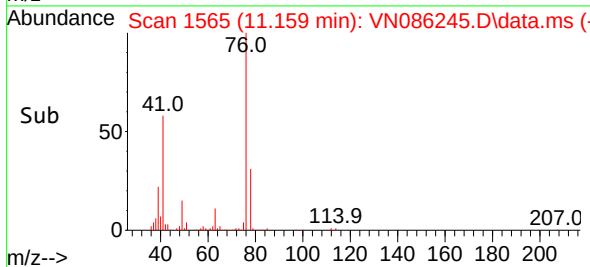
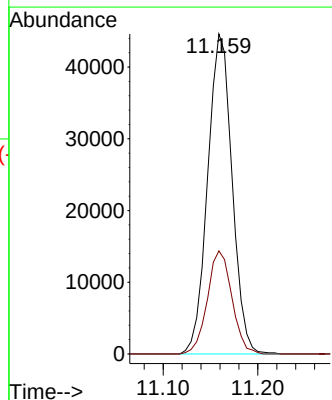
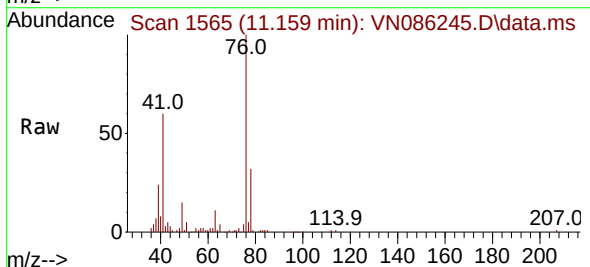
Manual Integrations
APPROVED

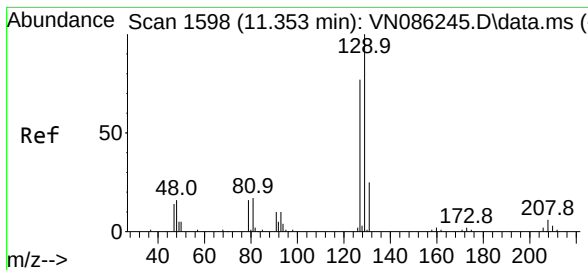
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#52
1,3-Dichloropropane
Concen: 18.875 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

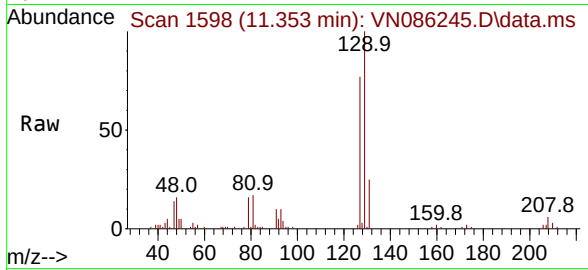
Tgt Ion: 76 Resp: 79960
Ion Ratio Lower Upper
76 100
78 32.3 0.0 64.6





#53
Dibromochloromethane
Concen: 19.190 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

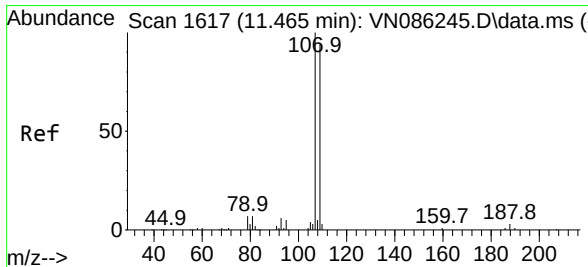
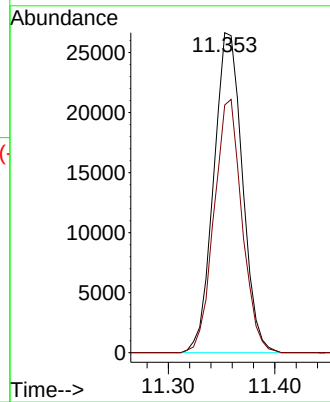
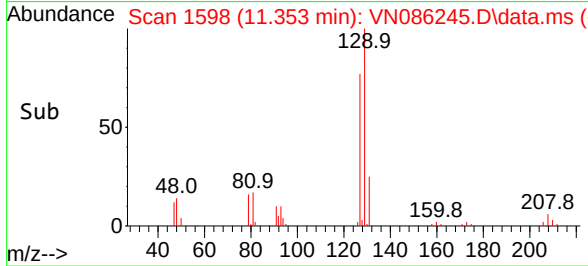
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



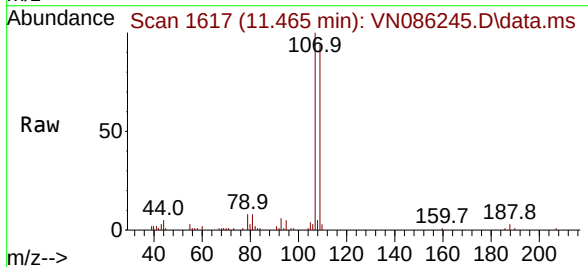
Tgt Ion:129 Resp: 49892
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5

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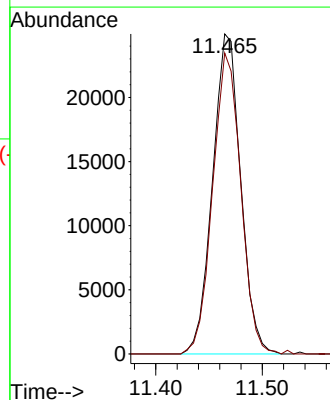
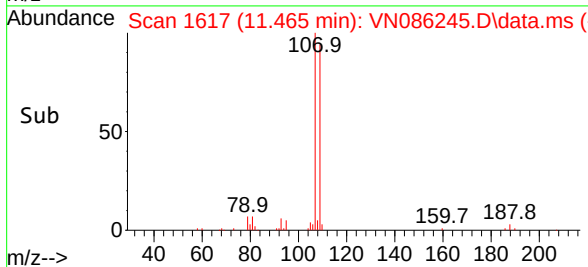
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

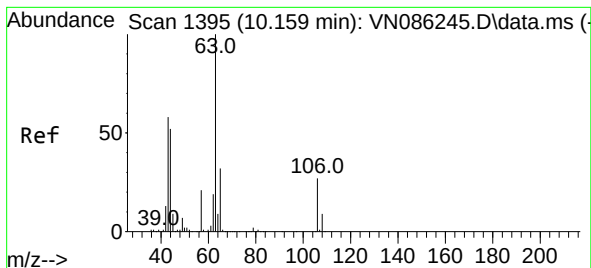


#54
1,2-Dibromoethane
Concen: 19.034 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16



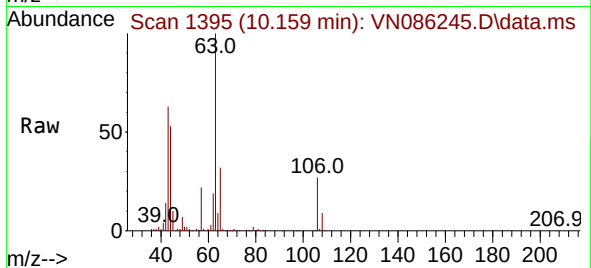
Tgt Ion:107 Resp: 45668
Ion Ratio Lower Upper
107 100
109 94.0 75.2 112.8





#55
2-Chloroethyl vinyl ether
Concen: 119.582 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

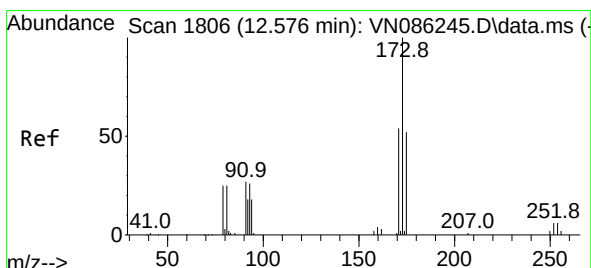
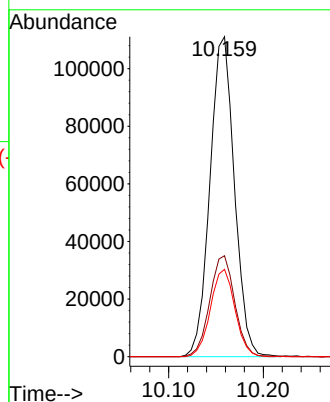
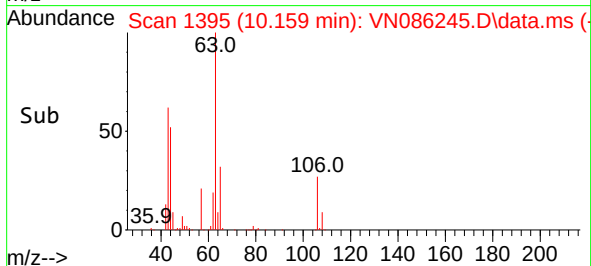
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 63 Resp: 199584
Ion Ratio Lower Upper
63 100
65 32.3 25.8 38.8
106 27.3 21.8 32.8

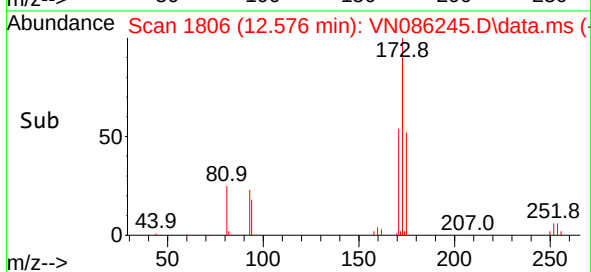
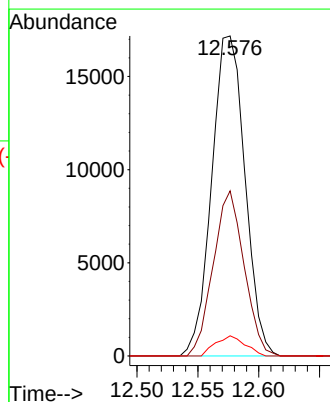
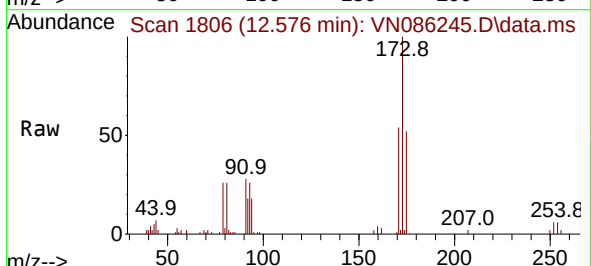
Manual Integrations
APPROVED

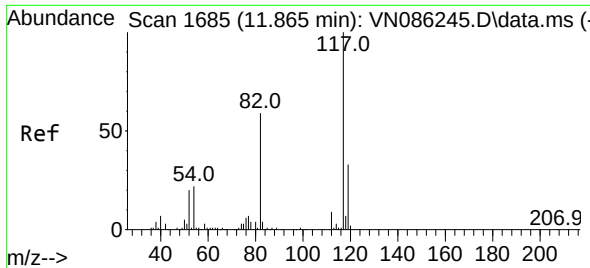
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#56
Bromoform
Concen: 19.173 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

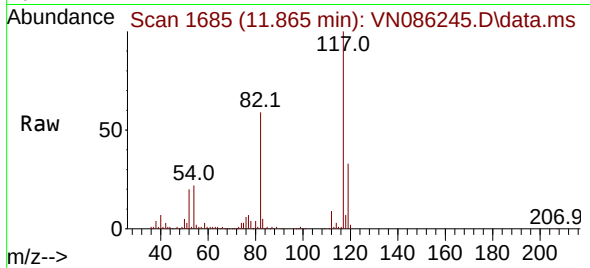
Tgt Ion:173 Resp: 32612
Ion Ratio Lower Upper
173 100
175 47.8 38.2 57.4
254 5.6 4.5 6.7





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

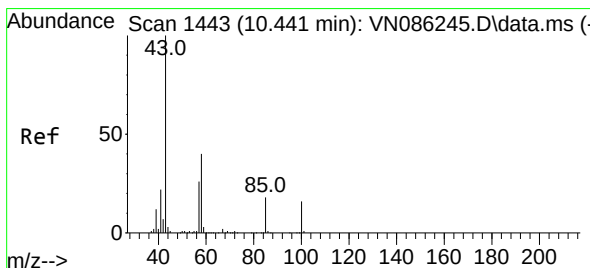
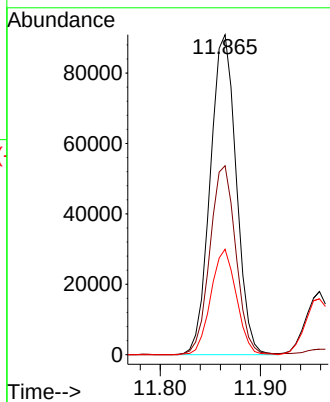
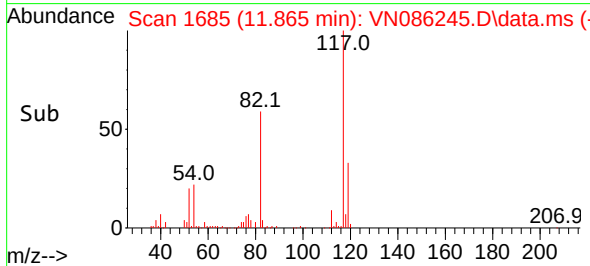
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 117 Resp: 16390
Ion Ratio Lower Upper
117 100
82 59.1 47.3 70.9
119 32.4 25.9 38.9

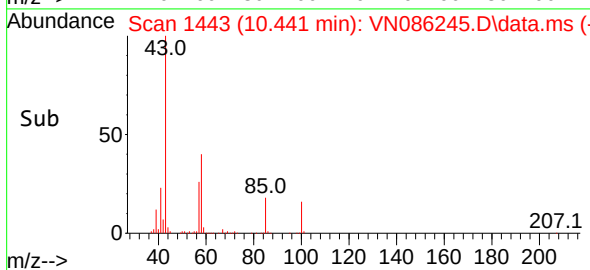
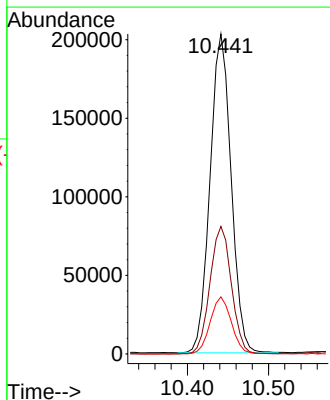
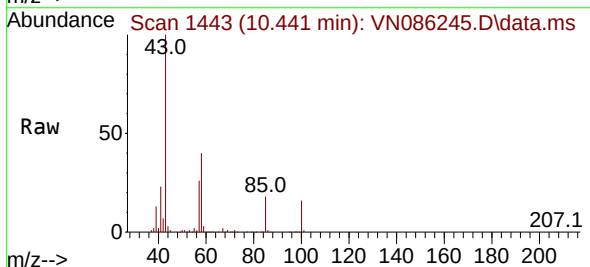
Manual Integrations
APPROVED

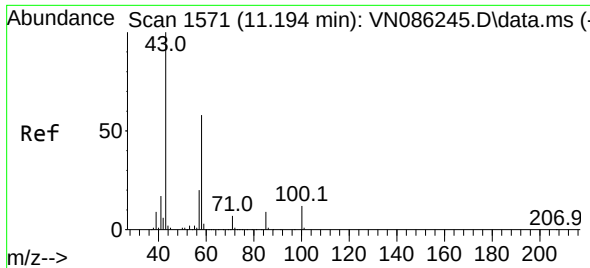
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#58
4-Methyl-2-Pentanone
Concen: 98.554 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

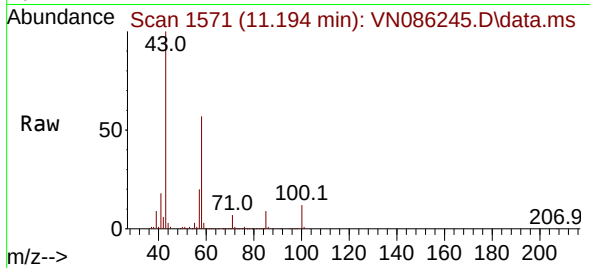
Tgt Ion: 43 Resp: 366576
Ion Ratio Lower Upper
43 100
58 40.6 32.5 48.7
85 18.0 14.4 21.6





#59
2-Hexanone
Concen: 97.984 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

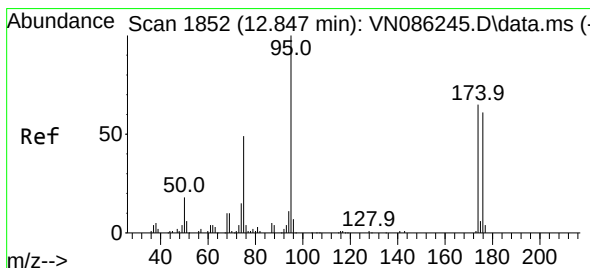
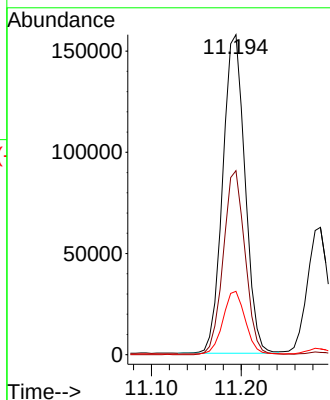
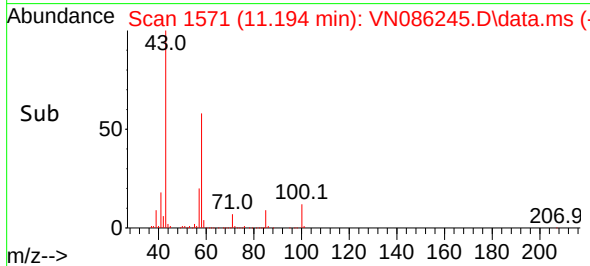
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



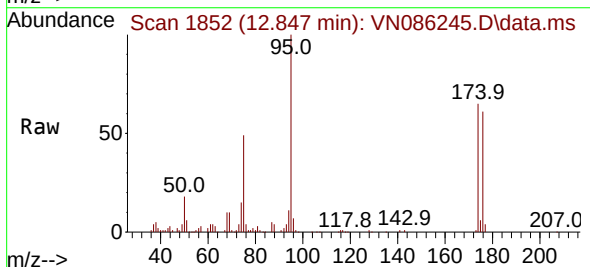
Tgt Ion: 43 Resp: 271384
Ion Ratio Lower Upper
43 100
58 56.6 45.3 67.9
57 19.7 15.8 23.6

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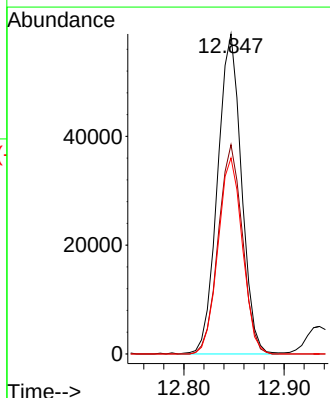
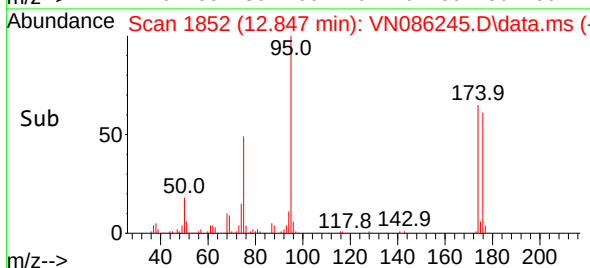
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

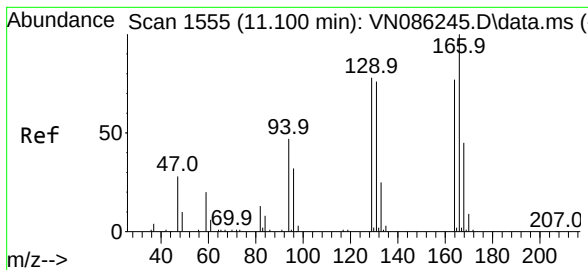


#60
4-Bromofluorobenzene
Concen: 29.820 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16



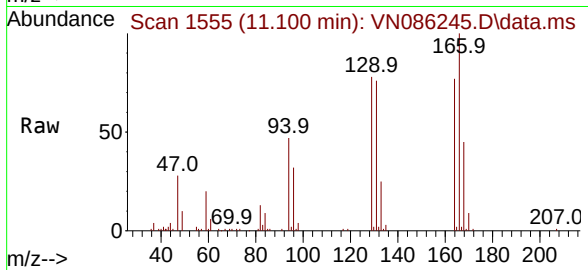
Tgt Ion: 95 Resp: 97314
Ion Ratio Lower Upper
95 100
174 65.9 52.7 79.1
176 62.3 49.8 74.8





#61
Tetrachloroethene
Concen: 19.134 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

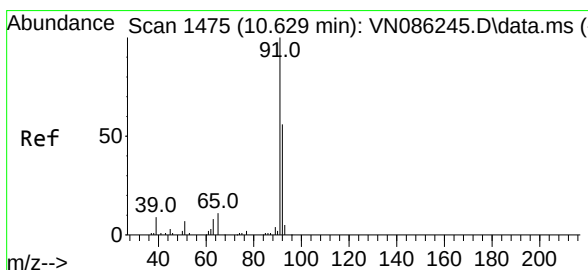
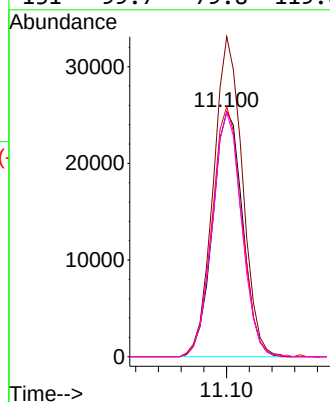
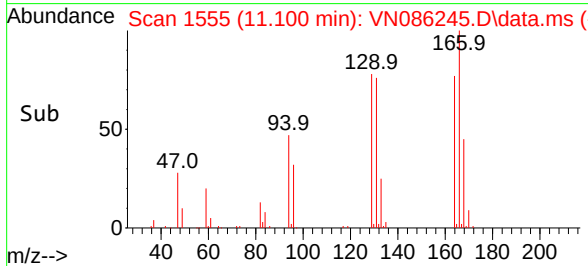
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:164 Resp: 4631
Ion Ratio Lower Upper
164 100
166 130.6 104.5 156.7
129 102.1 81.7 122.5
131 99.7 79.8 119.6

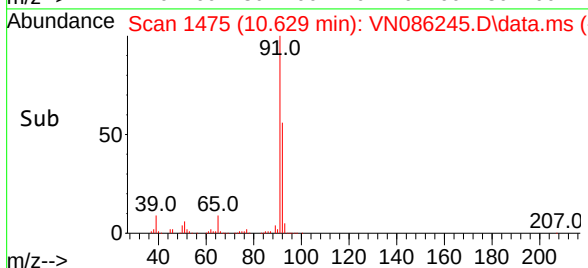
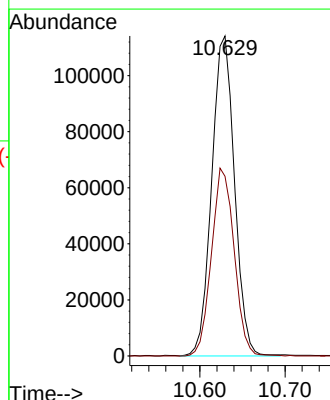
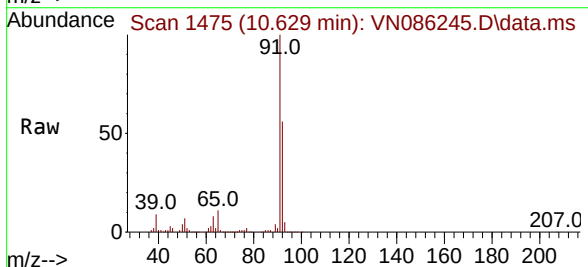
Manual Integrations
APPROVED

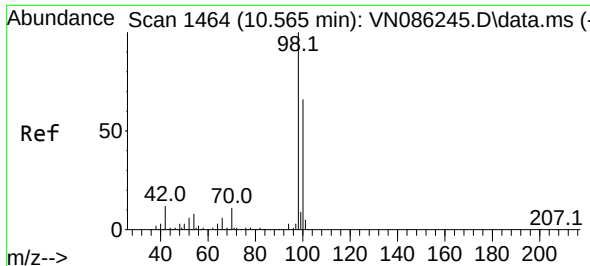
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#62
Toluene
Concen: 19.292 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

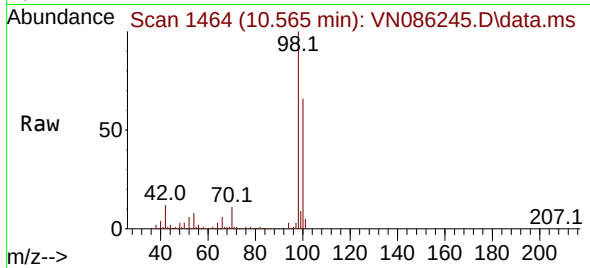
Tgt Ion: 91 Resp: 212088
Ion Ratio Lower Upper
91 100
92 58.5 46.8 70.2





#63
Toluene-d8
Concen: 30.431 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

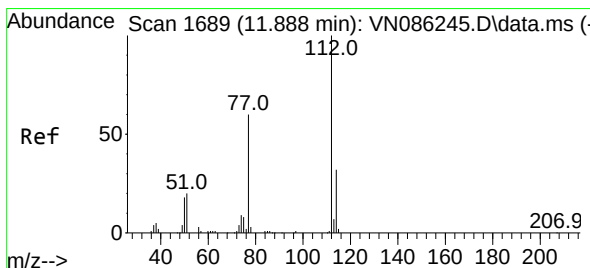
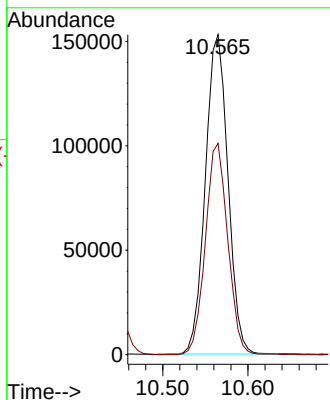
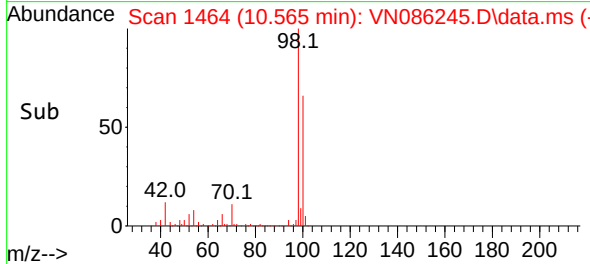
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 98 Resp: 281589
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5

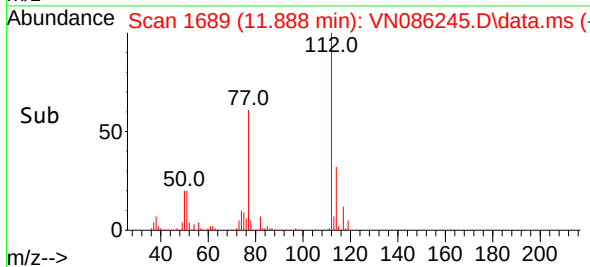
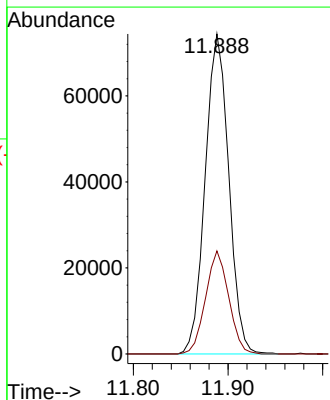
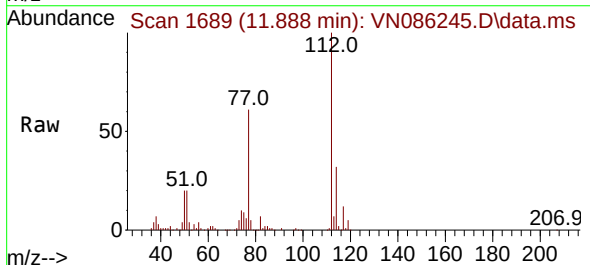
Manual Integrations
APPROVED

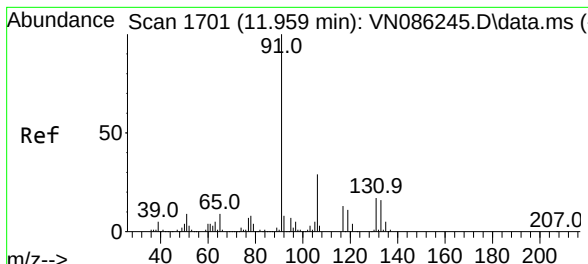
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#64
Chlorobenzene
Concen: 19.188 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Tgt Ion:112 Resp: 128877
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6



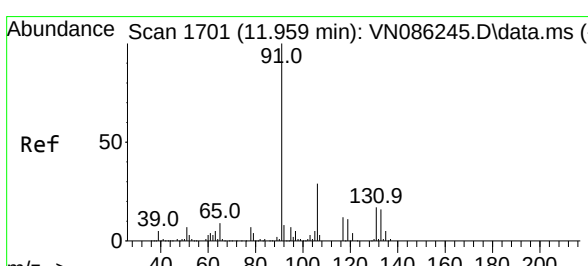
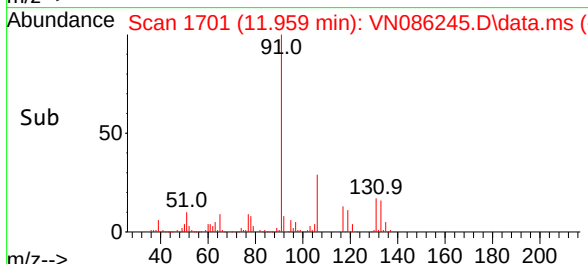
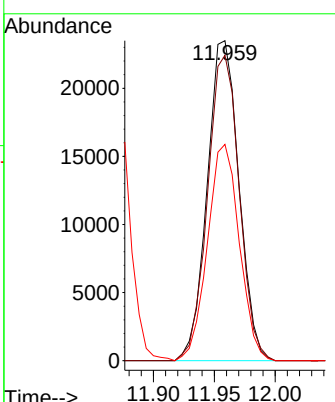
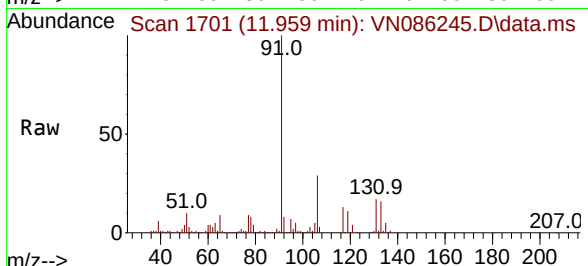


#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.244 ug/l
 RT: 11.959 min Scan# 1701
 Delta R.T. 0.000 min
 Lab File: VN086245.D
 Acq: 11 Apr 2025 12:16

Instrument : MSVOA_N
 ClientSampleId : VSTDICCC020

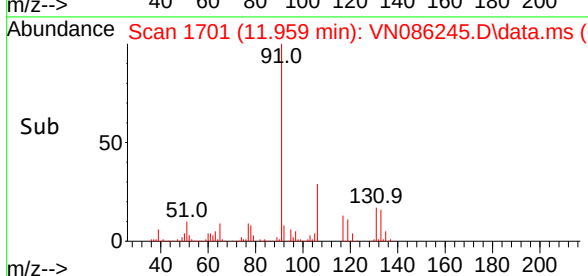
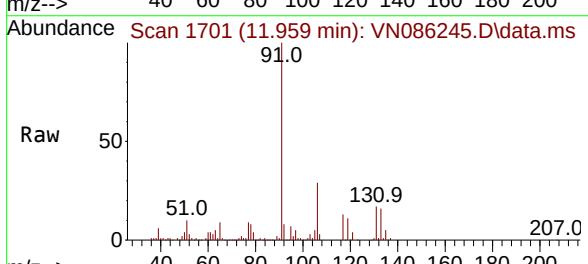
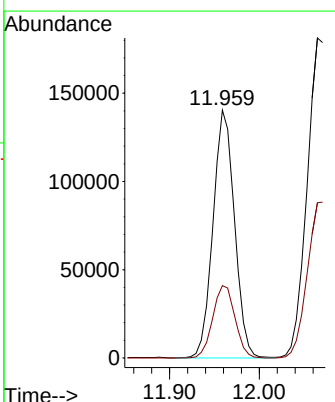
Tgt Ion:	131	Resp:	42650
Ion Ratio	Lower	Upper	
131	100		
133	95.2	0.0	190.4
119	67.8	0.0	135.6

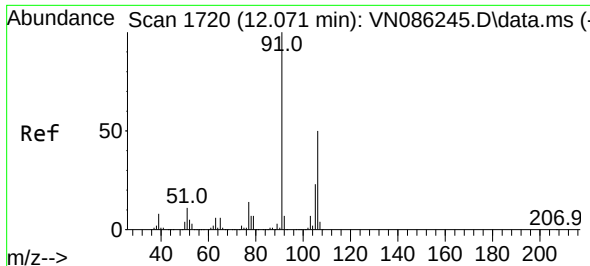
Manual Integrations
APPROVED
 Reviewed By :John Carlone 04/14/2025
 Supervised By :Mahesh Dadoda 04/14/2025



#66
 Ethyl Benzene
 Concen: 19.177 ug/l
 RT: 11.959 min Scan# 1701
 Delta R.T. 0.000 min
 Lab File: VN086245.D
 Acq: 11 Apr 2025 12:16

Tgt Ion:	91	Resp:	233805
Ion Ratio	Lower	Upper	
91	100		
106	29.2	23.4	35.0





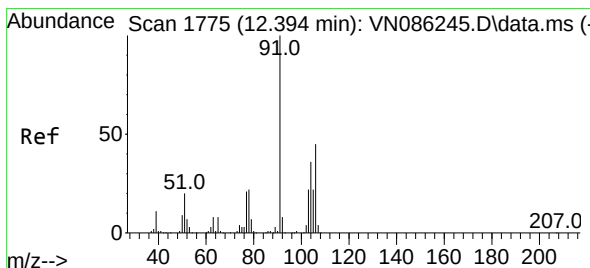
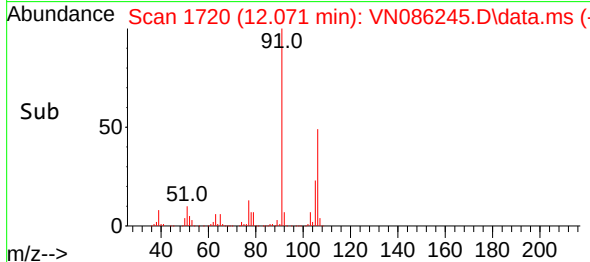
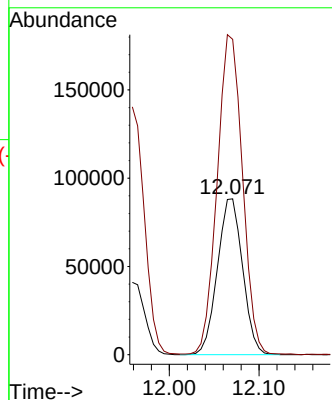
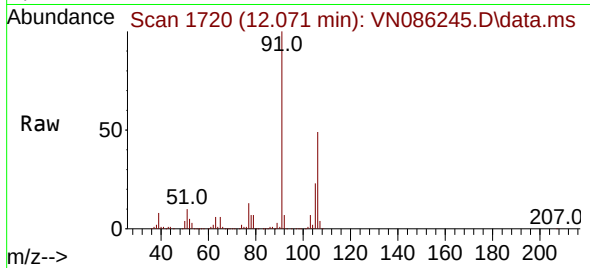
#67
m/p-Xylenes
Concen: 38.024 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 172384
Ion Ratio Lower Upper
106 100
91 205.6 164.5 246.7

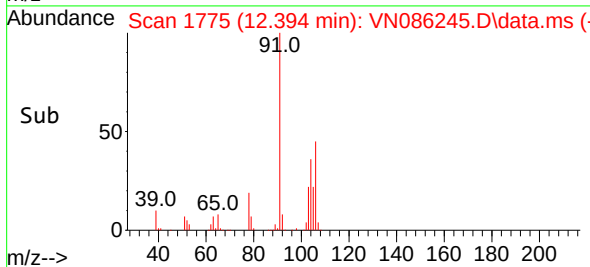
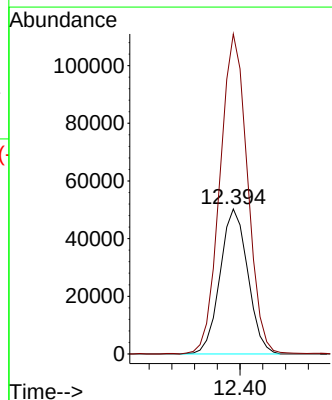
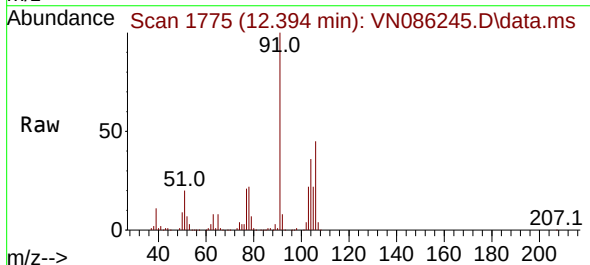
Manual Integrations
APPROVED

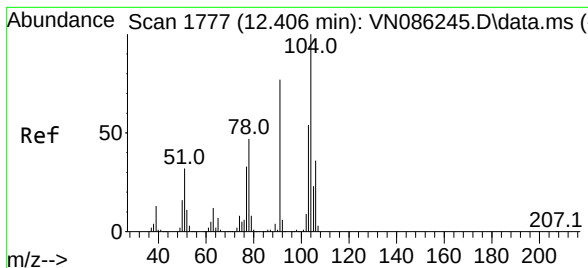
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#68
o-Xylene
Concen: 19.101 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Tgt Ion:106 Resp: 85173
Ion Ratio Lower Upper
106 100
91 219.6 109.8 329.4





#69

Styrene

Concen: 18.793 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VN086245.D

Acq: 11 Apr 2025 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

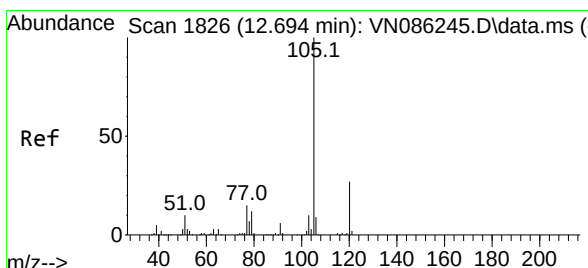
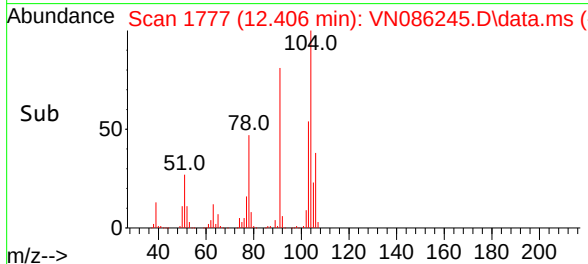
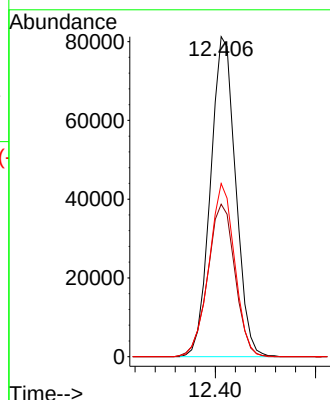
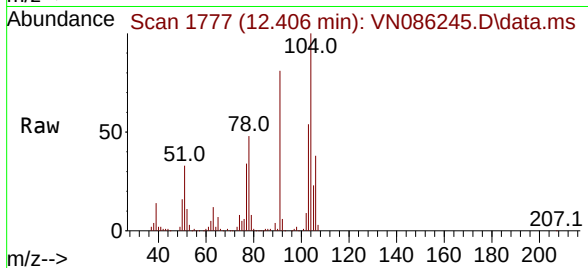
Tgt Ion:	104	Resp:	14132
Ion Ratio	Lower	Upper	
104	100		
78	51.7	41.4	62.0
103	55.3	44.2	66.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#70

Isopropylbenzene

Concen: 19.057 ug/l

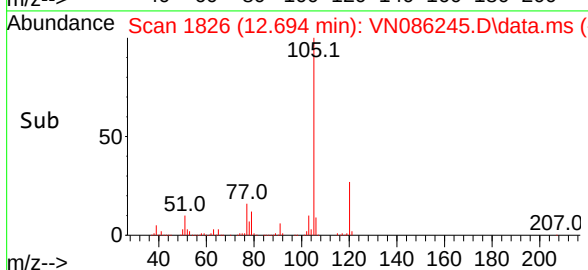
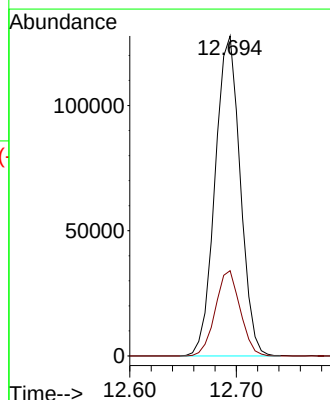
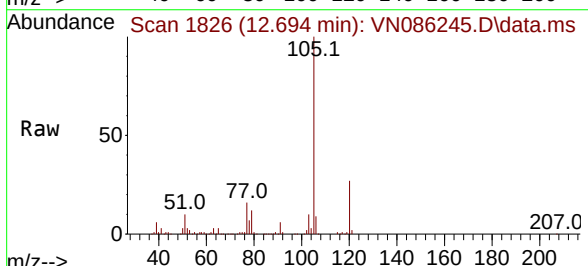
RT: 12.694 min Scan# 1826

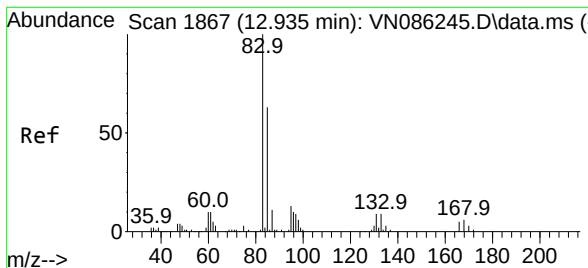
Delta R.T. 0.000 min

Lab File: VN086245.D

Acq: 11 Apr 2025 12:16

Tgt Ion:	105	Resp:	209526
Ion Ratio	Lower	Upper	
105	100		
120	26.2	18.3	34.1





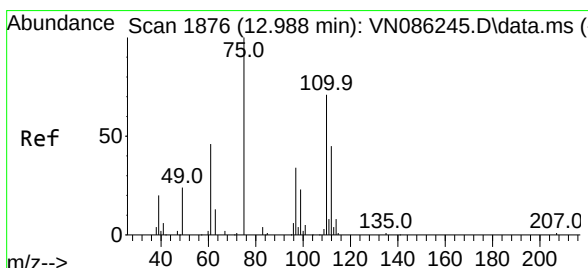
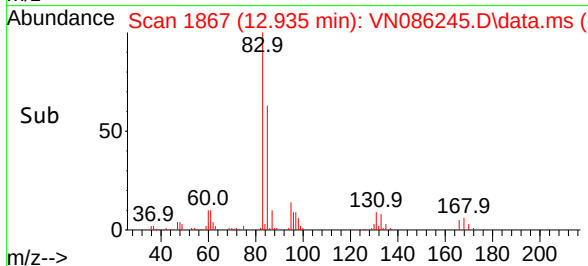
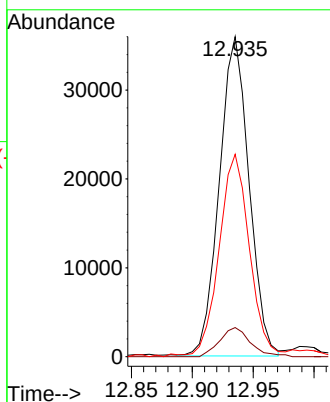
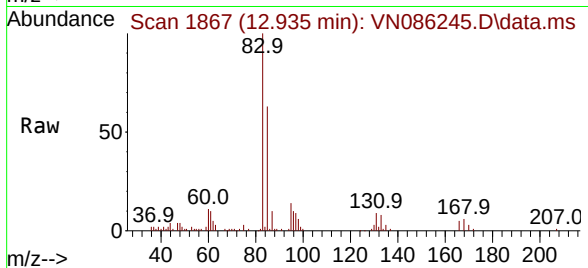
#71
1,1,2,2-Tetrachloroethane
Concen: 19.472 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 83 Resp: 60930
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.3
85 64.5 32.3 96.8

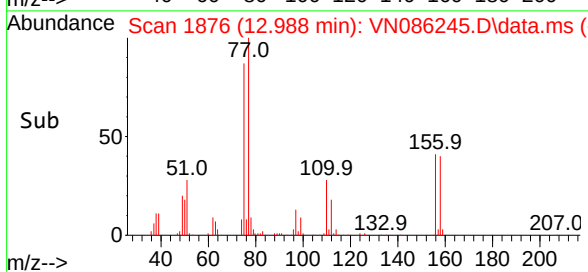
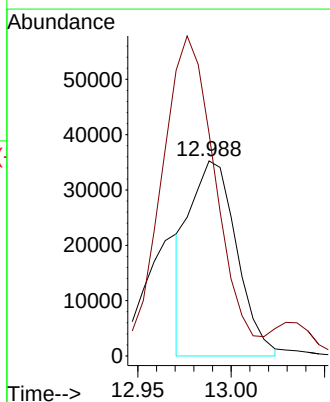
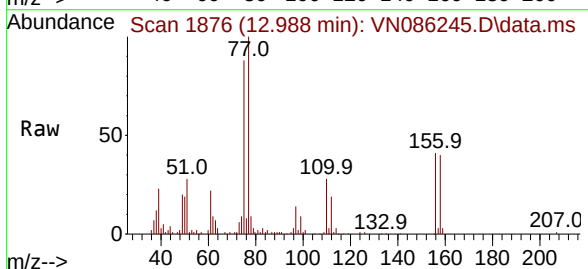
Manual Integrations
APPROVED

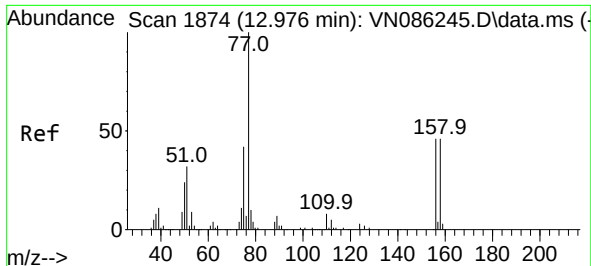
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#72
1,2,3-Trichloropropane
Concen: 13.969 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Tgt Ion: 75 Resp: 61888
Ion Ratio Lower Upper
75 100
77 190.0 0.0 380.0





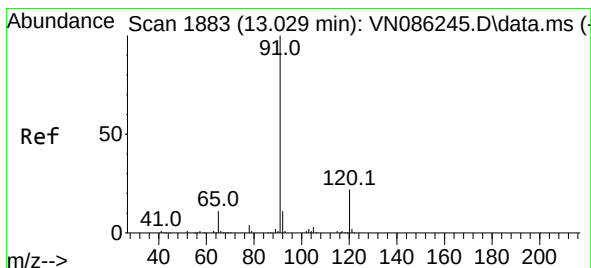
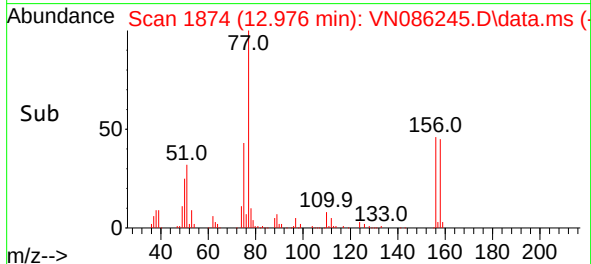
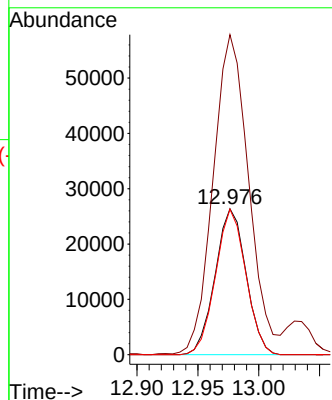
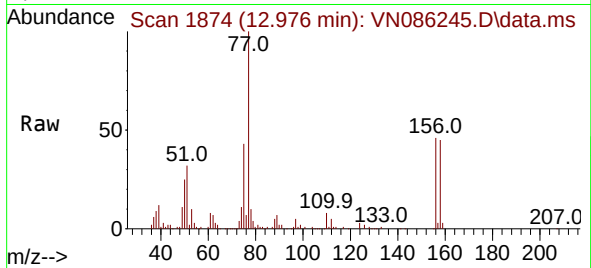
#73
Bromobenzene
Concen: 19.116 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:156 Resp: 4656
Ion Ratio Lower Upper
156 100
77 252.6 0.0 505.2
158 97.5 0.0 195.0

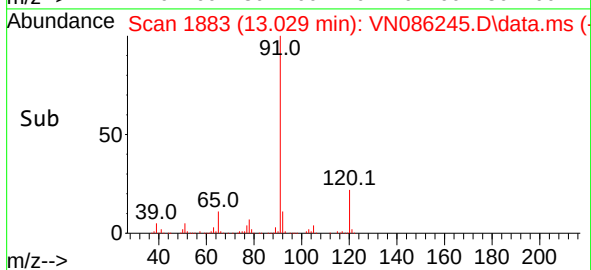
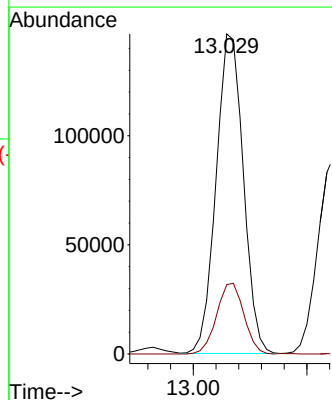
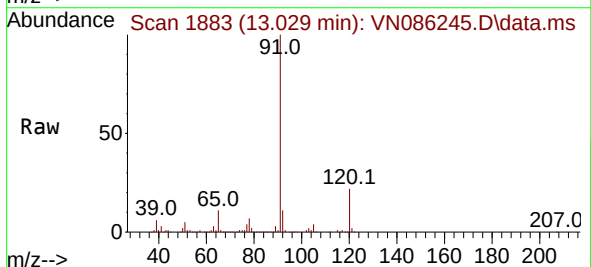
Manual Integrations
APPROVED

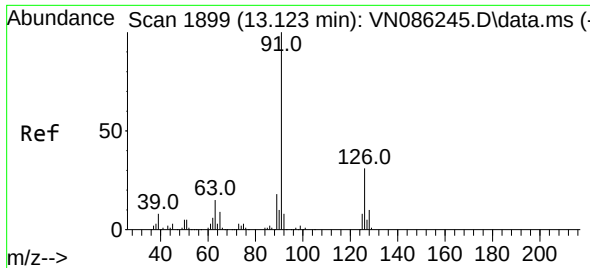
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#74
n-propylbenzene
Concen: 18.707 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Tgt Ion: 91 Resp: 243573
Ion Ratio Lower Upper
91 100
120 22.1 0.0 44.0





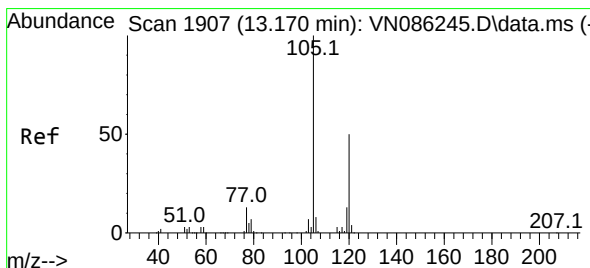
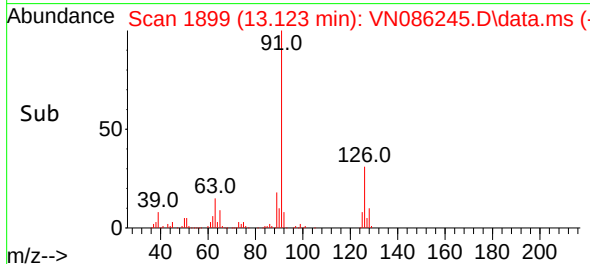
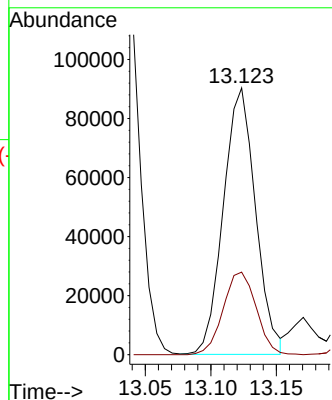
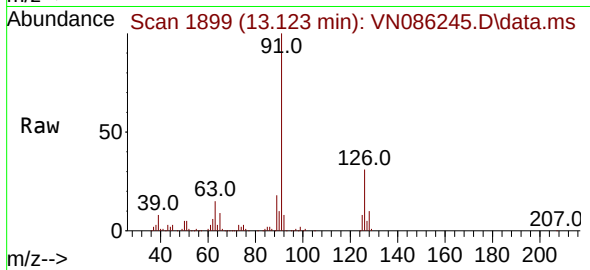
#75
2-Chlorotoluene
Concen: 18.914 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 15434
Ion Ratio Lower Upper
91 100
126 31.7 0.0 63.4

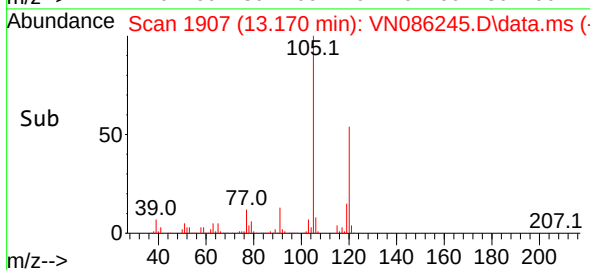
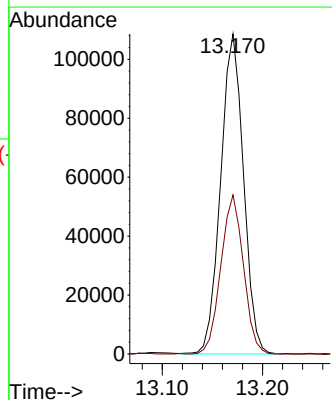
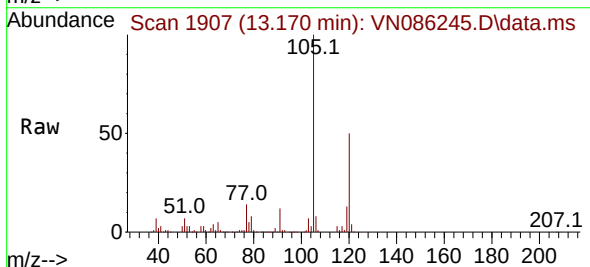
Manual Integrations
APPROVED

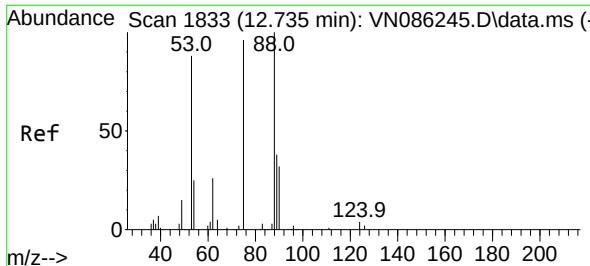
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#76
1,3,5-Trimethylbenzene
Concen: 19.046 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Tgt Ion:105 Resp: 172014
Ion Ratio Lower Upper
105 100
120 49.0 0.0 98.0





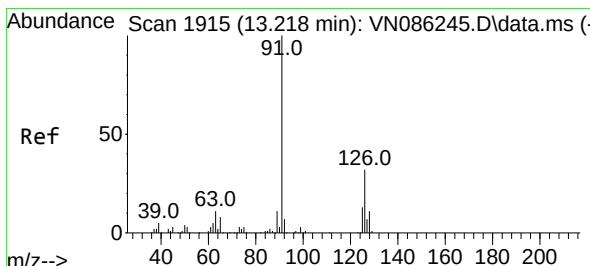
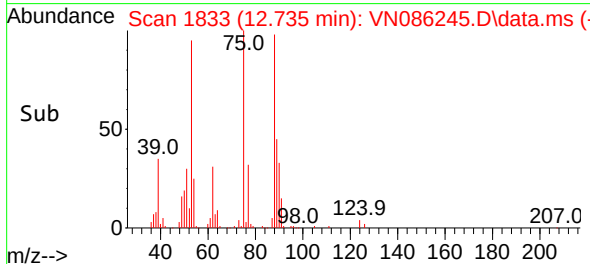
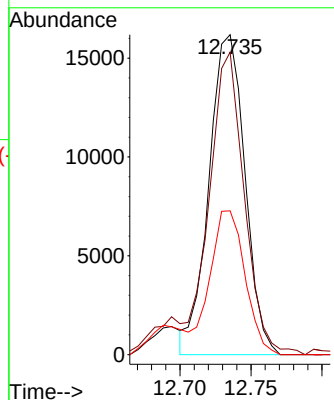
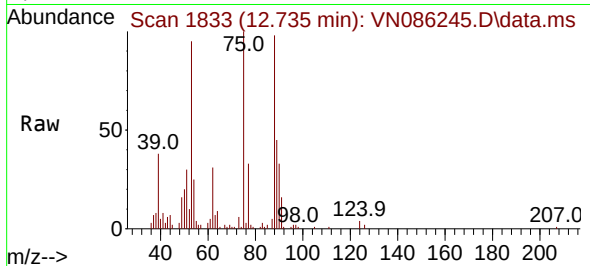
#77
t-1,4-Dichloro-2-butene
Concen: 18.993 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 75 Resp: 28529
Ion Ratio Lower Upper
75 100
53 92.8 46.4 139.2
89 45.0 22.5 67.5

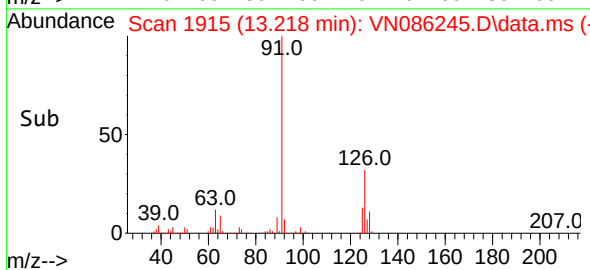
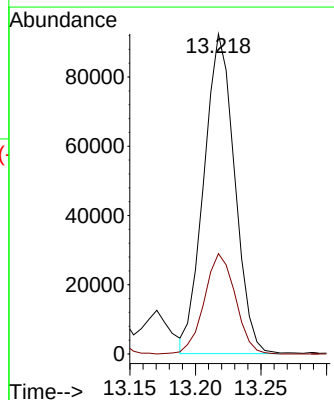
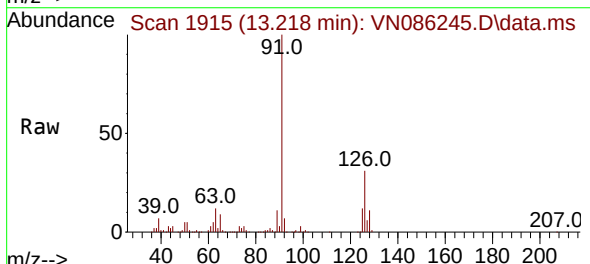
Manual Integrations
APPROVED

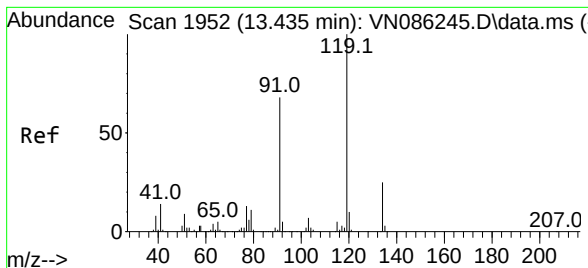
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#78
4-Chlorotoluene
Concen: 18.539 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Tgt Ion: 91 Resp: 151091
Ion Ratio Lower Upper
91 100
126 31.6 0.0 63.2





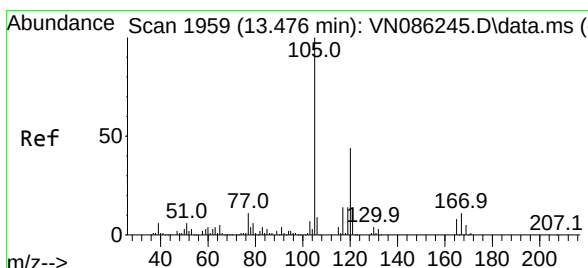
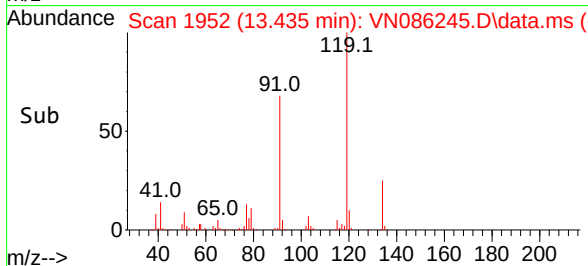
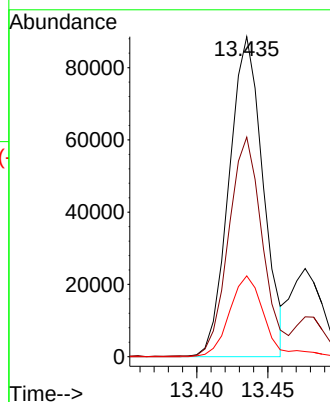
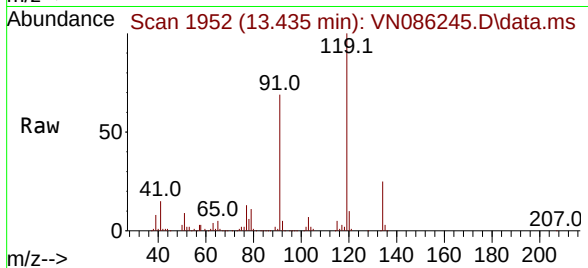
#79
tert-butylbenzene
Concen: 18.865 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:119 Resp: 147428
Ion Ratio Lower Upper
119 100
91 68.3 0.0 136.6
134 24.7 0.0 49.4

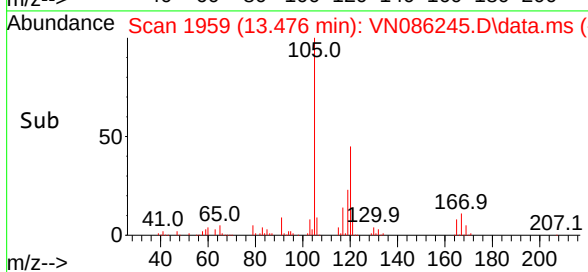
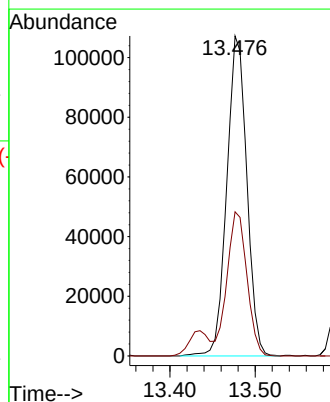
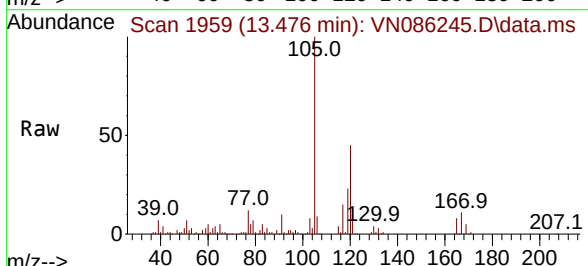
Manual Integrations
APPROVED

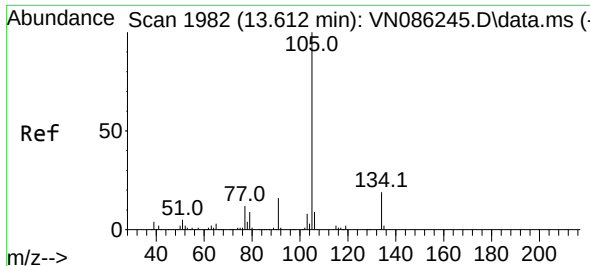
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#80
1,2,4-Trimethylbenzene
Concen: 19.089 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Tgt Ion:105 Resp: 174827
Ion Ratio Lower Upper
105 100
120 45.5 0.0 91.0





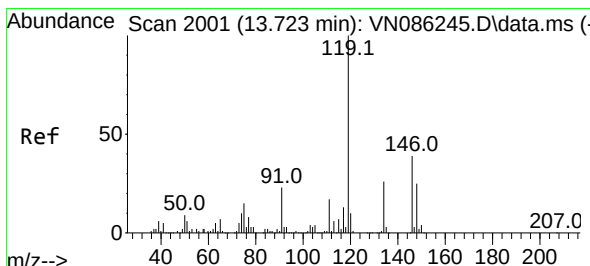
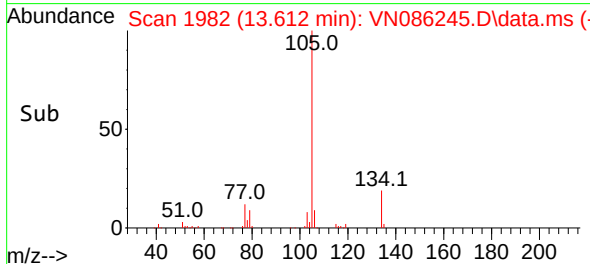
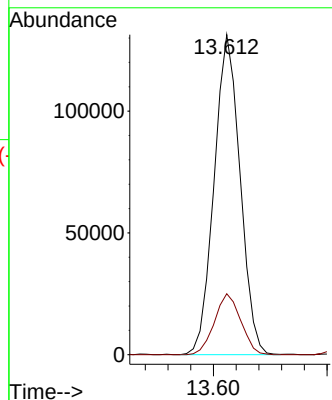
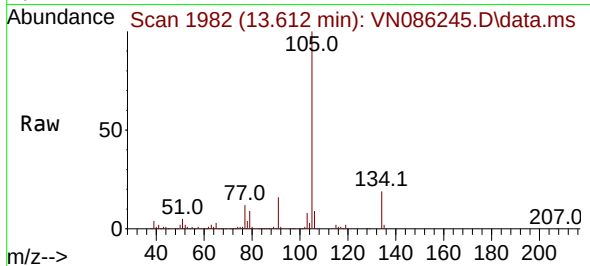
#81
 sec-Butylbenzene
 Concen: 19.134 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086245.D
 Acq: 11 Apr 2025 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion:105 Resp: 20858
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 38.6

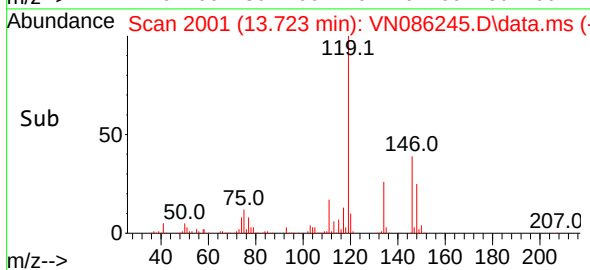
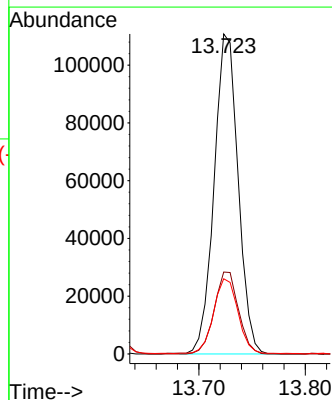
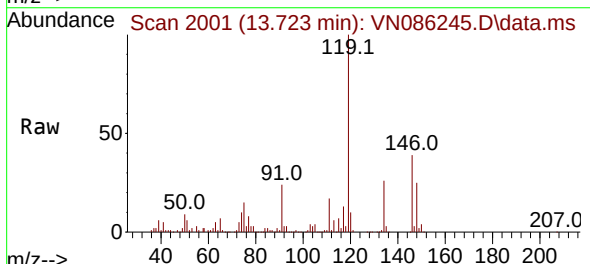
Manual Integrations
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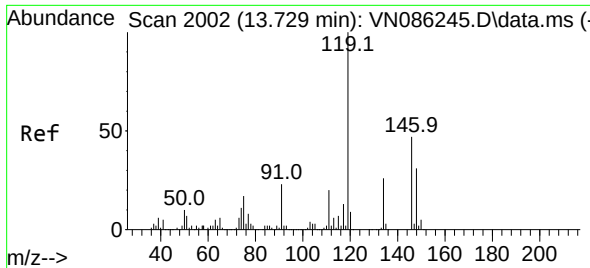
Reviewed By :John Carlone 04/14/2025
 Supervised By :Mahesh Dadoda 04/14/2025



#82
 p-Isopropyltoluene
 Concen: 19.037 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN086245.D
 Acq: 11 Apr 2025 12:16

Tgt Ion:119 Resp: 173120
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 51.6
 91 24.1 0.0 48.2





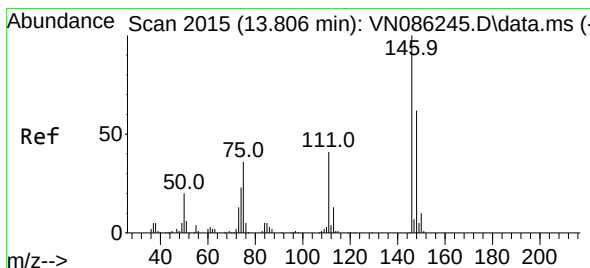
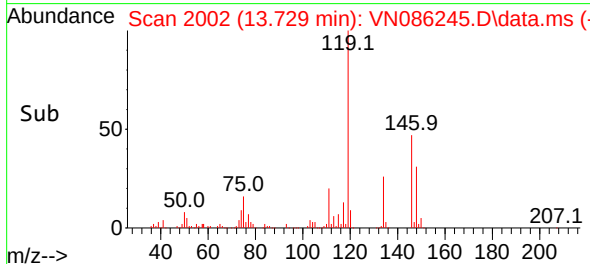
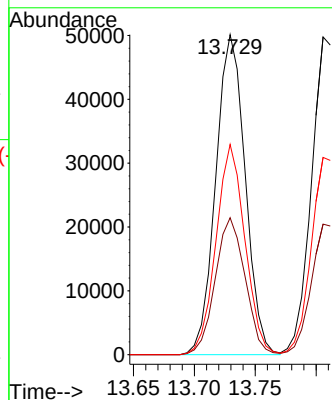
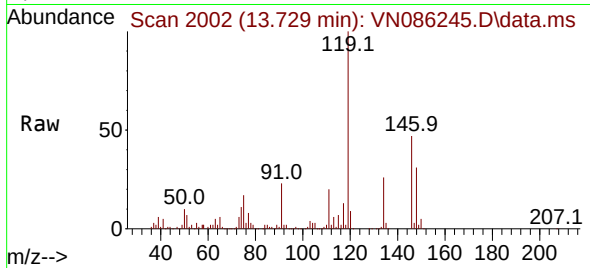
#83
1,3-Dichlorobenzene
Concen: 18.662 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:146 Resp: 8448
Ion Ratio Lower Upper
146 100
111 43.4 21.7 65.1
148 64.5 32.3 96.8

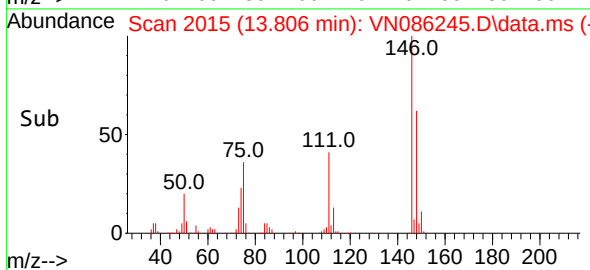
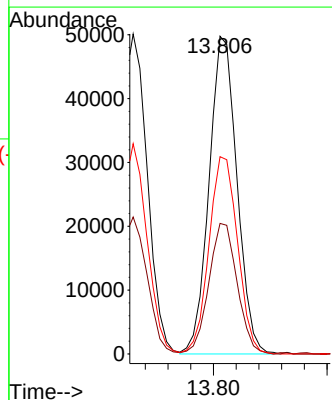
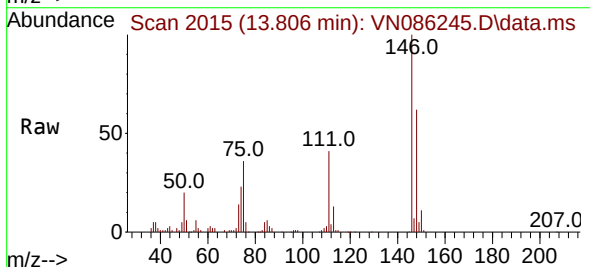
Manual Integrations
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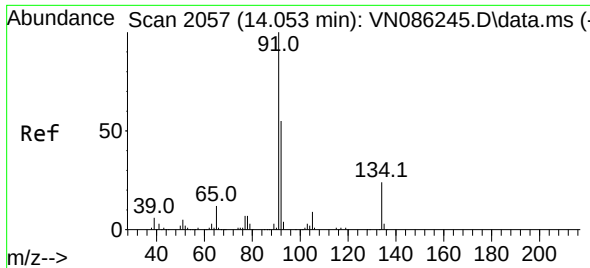
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#84
1,4-Dichlorobenzene
Concen: 18.705 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Tgt Ion:146 Resp: 84947
Ion Ratio Lower Upper
146 100
111 41.6 20.8 62.4
148 63.7 31.9 95.5





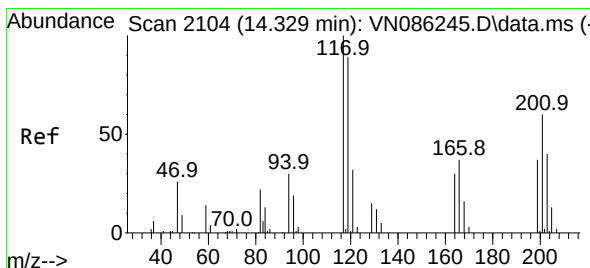
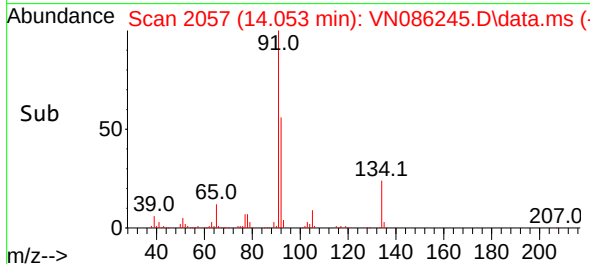
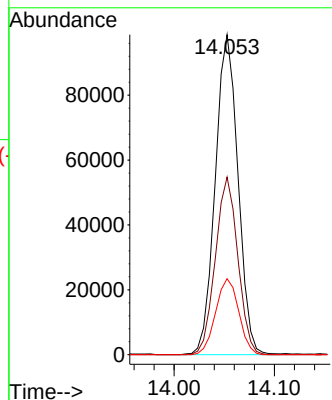
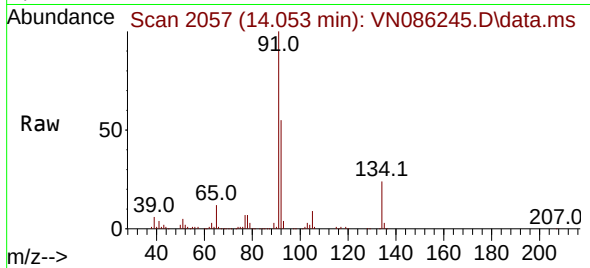
#85
n-Butylbenzene
Concen: 18.919 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 155208
Ion Ratio Lower Upper
91 100
92 54.7 0.0 109.4
134 24.1 0.0 48.2

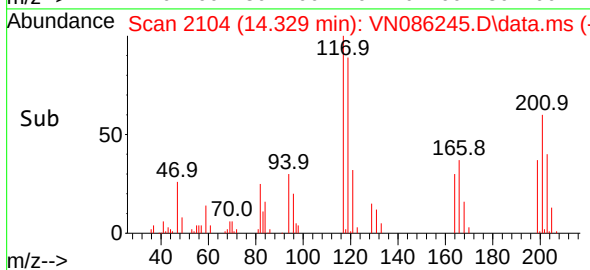
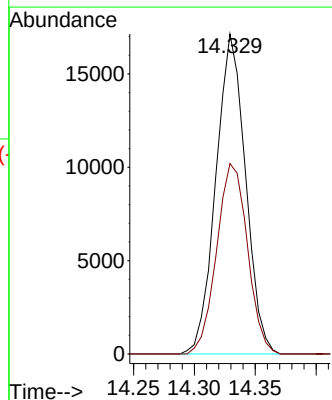
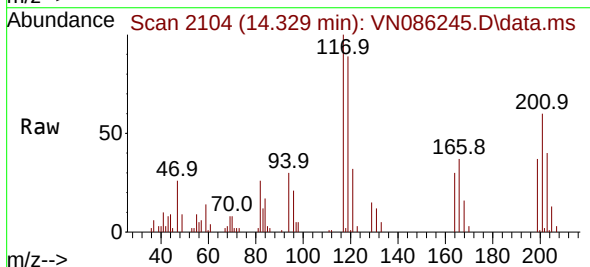
Manual Integrations
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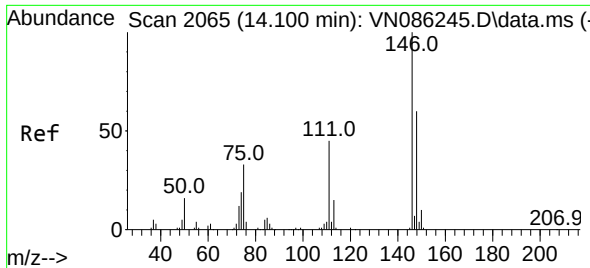
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#86
Hexachloroethane
Concen: 18.910 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

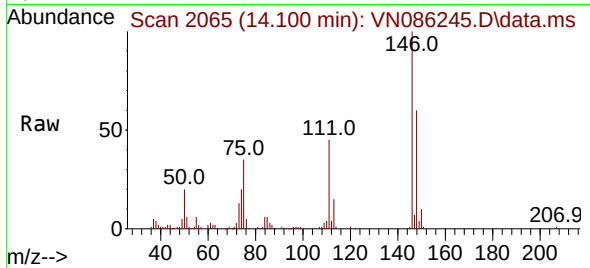
Tgt Ion:117 Resp: 29008
Ion Ratio Lower Upper
117 100
201 61.9 30.9 92.8





#87
 1,2-Dichlorobenzene
 Concen: 19.018 ug/l
 RT: 14.100 min Scan# 2065
 Delta R.T. 0.000 min
 Lab File: VN086245.D
 Acq: 11 Apr 2025 12:16

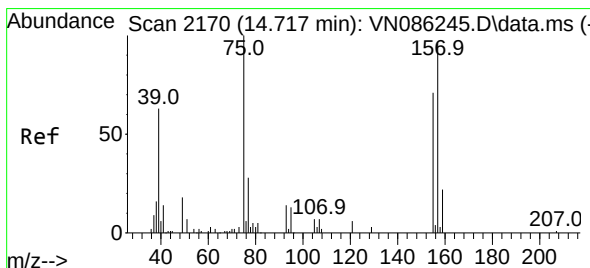
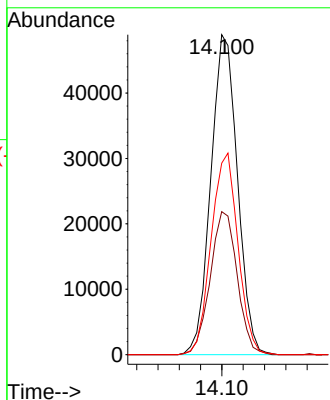
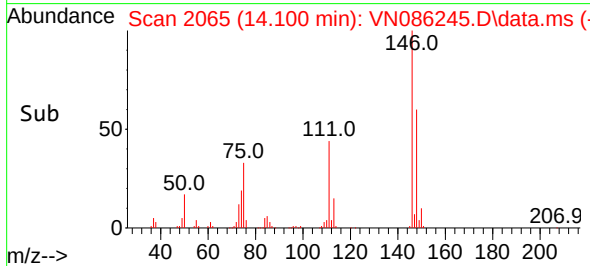
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



Tgt Ion:146 Resp: 85009
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.7 68.0
 148 63.5 31.8 95.3

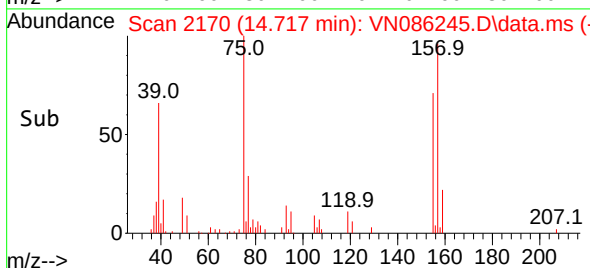
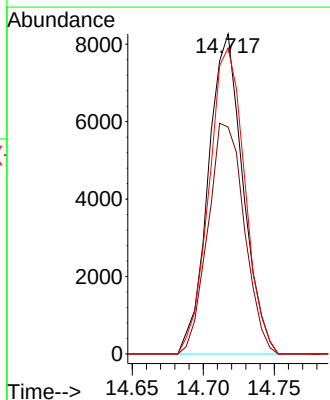
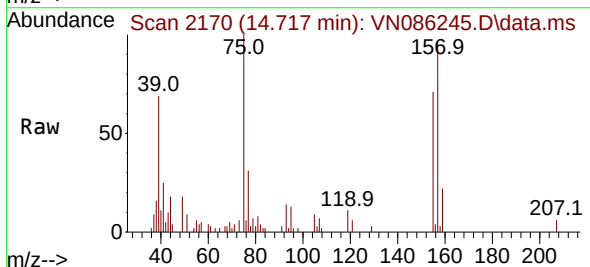
Manual Integrations
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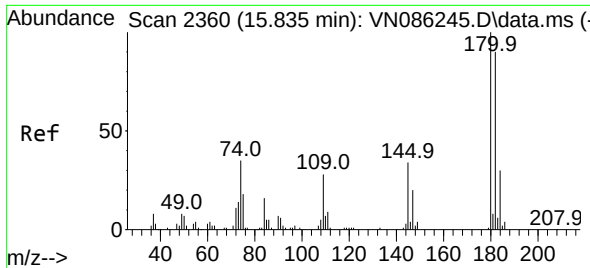
Reviewed By :John Carlone 04/14/2025
 Supervised By :Mahesh Dadoda 04/14/2025



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.684 ug/l
 RT: 14.717 min Scan# 2170
 Delta R.T. 0.000 min
 Lab File: VN086245.D
 Acq: 11 Apr 2025 12:16

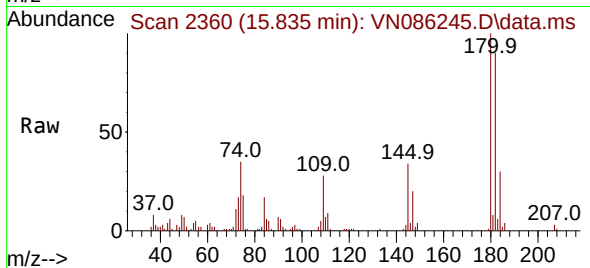
Tgt Ion: 75 Resp: 14031
 Ion Ratio Lower Upper
 75 100
 155 75.4 60.3 90.5
 157 98.7 79.0 118.4





#89
1,2,4-Trichlorobenzene
Concen: 20.183 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

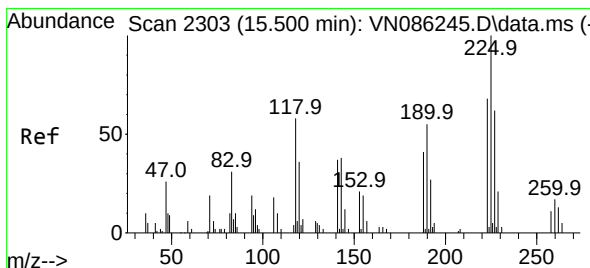
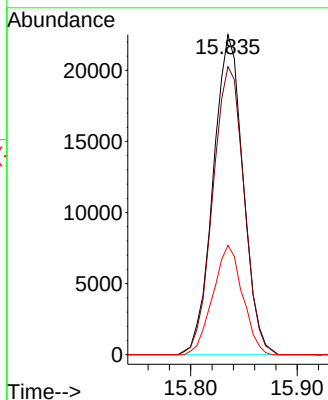
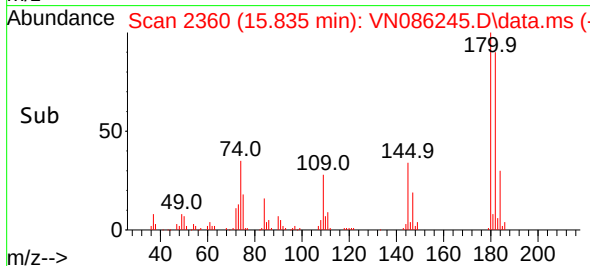
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



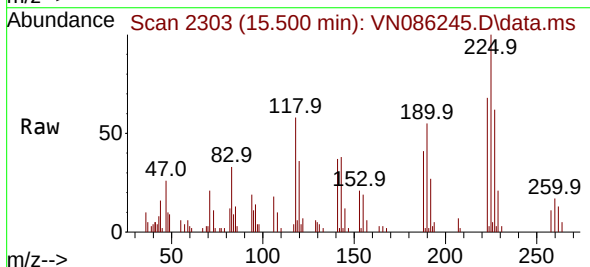
Tgt Ion:180 Resp: 4389
Ion Ratio Lower Upper
180 100
182 93.9 75.1 112.7
145 33.9 27.1 40.7

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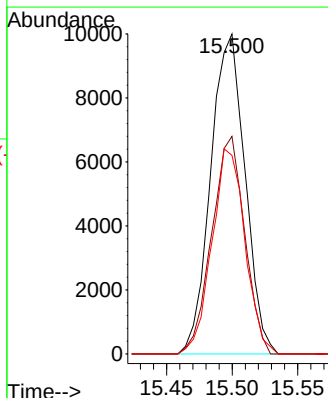
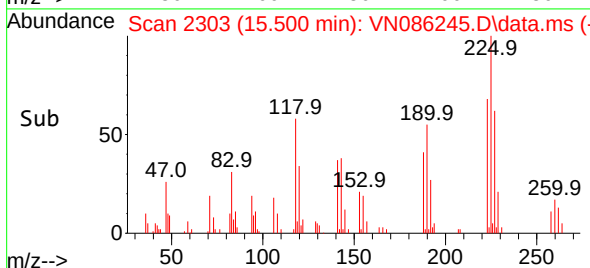
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

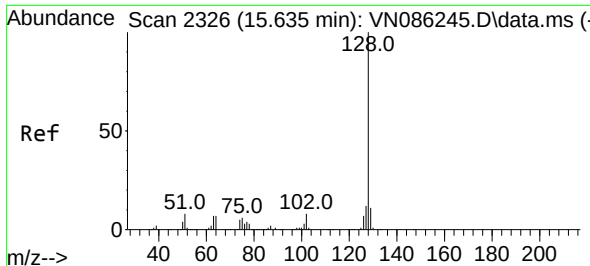


#90
Hexachlorobutadiene
Concen: 19.398 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16



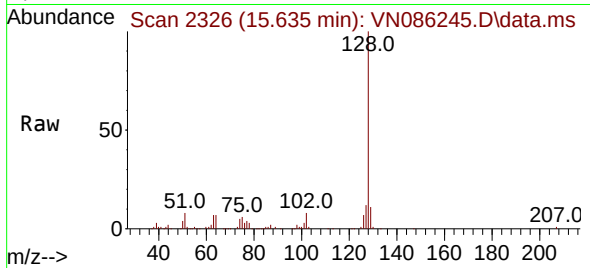
Tgt Ion:225 Resp: 18215
Ion Ratio Lower Upper
225 100
223 65.0 0.0 130.0
227 61.6 0.0 123.2





#91
Naphthalene
Concen: 19.722 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

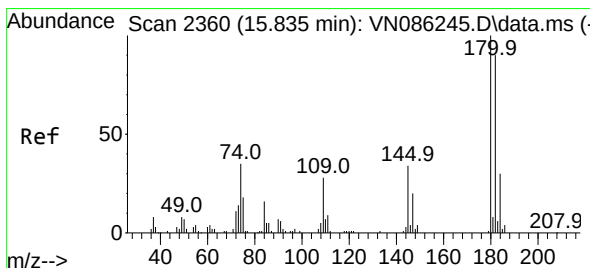
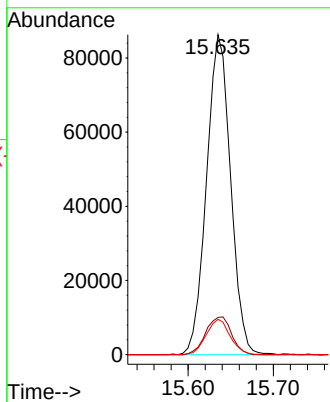
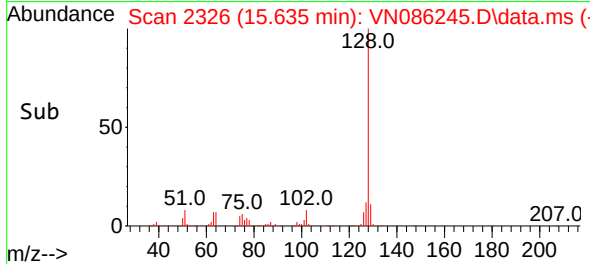
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:128 Resp: 169118
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 11.0 8.8 13.2

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



#92
1,2,3-Trichlorobenzene
Concen: 20.183 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086245.D
Acq: 11 Apr 2025 12:16

Tgt Ion:180 Resp: 43895
Ion Ratio Lower Upper
180 100
182 93.9 0.0 187.8
145 33.9 0.0 67.8

