

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086661.D
 Acq On : 16 May 2025 11:37
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

Quant Time: May 16 23:00:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.806	128	29831	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	175700	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	163950	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	82264	28.603	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	95.333%	
60) 4-Bromofluorobenzene	12.847	95	92966	28.851	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	96.167%	
63) Toluene-d8	10.565	98	266858	29.586	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	98.633%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41358	20.082	ug/l	94
3) Chloromethane	2.359	50	57830	19.768	ug/l	97
4) Vinyl Chloride	2.512	62	54013	19.277	ug/l	99
5) Bromomethane	2.965	94	31351	21.431	ug/l	98
6) Chloroethane	3.124	64	36907	19.758	ug/l	98
7) Trichlorofluoromethane	3.500	101	67438	20.390	ug/l	99
8) Diethyl Ether	3.959	74	29202	20.917	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	43404	21.347	ug/l	98
10) 1,1-Dichloroethene	4.342	96	41381	19.884	ug/l	98
11) Methyl Iodide	4.583	142	46393	19.053	ug/l	97
12) Methyl Acetate	5.024	43	64573	21.891	ug/l	95
13) Acrolein	4.183	56	12516	82.166	ug/l	96
14) Acrylonitrile	5.712	53	120018	109.322	ug/l	100
15) Acetone	4.424	58	35292	116.663	ug/l	82
16) Carbon Disulfide	4.712	76	104088	18.981	ug/l	99
17) Allyl chloride	5.024	41	64209	19.296	ug/l	94
18) Methylene Chloride	5.277	84	50701	21.393	ug/l	93
19) trans-1,2-Dichloroethene	5.777	96	44331	19.985	ug/l	93
20) Diisopropyl ether	6.671	45	154005	19.465	ug/l	98
21) 1,1-Dichloroethane	6.565	63	88439	20.420	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	55722	20.090	ug/l	95
23) tert-Butyl Alcohol	5.518	59	46935	110.362	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	152245	19.800	ug/l	97
25) Chloroform	7.965	83	89245	20.361	ug/l	96
26) Cyclohexane	8.253	56	69656	18.215	ug/l #	99
29) 1,1-Dichloropropene	8.365	75	62412	20.149	ug/l	99
30) 2-Butanone	7.477	43	162156	107.859	ug/l	99
31) 2,2-Dichloropropane	7.483	77	77810	19.542	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	75356	20.359	ug/l	99
33) Carbon Tetrachloride	8.359	117	62551	20.529	ug/l	96
34) Benzene	8.600	78	203047	20.610	ug/l	97
35) Methacrylonitrile	7.771	41	33857	19.742	ug/l	93
36) 1,2-Dichloroethane	8.671	62	64212	20.075	ug/l	100
37) Trichloroethene	9.347	130	49007	19.871	ug/l	90
38) Methylcyclohexane	9.600	83	66866	18.692	ug/l	99
39) 1,2-Dichloropropane	9.612	63	48649	19.989	ug/l	94
40) Dibromomethane	9.706	93	33013	20.283	ug/l	94
41) Bromodichloromethane	9.888	83	69542	20.190	ug/l	98
42) Vinyl Acetate	6.600	43	534061	102.547	ug/l	100

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDCCC020

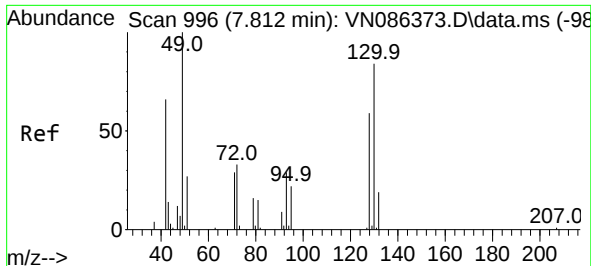
Manual Integrations
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Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	62606	21.043	ug/l	96
44) Isopropyl Acetate	8.682	43	116785	20.682	ug/l	100
45) 1,4-Dioxane	9.694	88	20440	463.944	ug/l	95
46) Methyl methacrylate	9.677	41	50176	19.264	ug/l	99
47) n-amyl Acetate	12.488	43	94321	19.598	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	75178	19.523	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	80143	19.736	ug/l	93
50) 1,1,2-Trichloroethane	11.012	97	47746	21.002	ug/l	96
51) Ethyl methacrylate	10.871	69	78180	19.745	ug/l	93
52) 1,3-Dichloropropane	11.159	76	82559	20.547	ug/l	99
53) Dibromochloromethane	11.353	129	51617	20.220	ug/l	100
54) 1,2-Dibromoethane	11.465	107	47987	20.760	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	166983	89.701	ug/l	98
56) Bromoform	12.576	173	34499	20.825	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	322848	101.759	ug/l	98
59) 2-Hexanone	11.194	43	239597	102.478	ug/l	98
61) Tetrachloroethene	11.100	164	50559	20.219	ug/l	94
62) Toluene	10.629	91	220605	20.102	ug/l	99
64) Chlorobenzene	11.888	112	139913	20.461	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	47376	20.721	ug/l	100
66) Ethyl Benzene	11.959	91	242809	19.656	ug/l	100
67) m/p-Xylenes	12.071	106	188761	40.274	ug/l	99
68) o-Xylene	12.394	106	94158	20.518	ug/l	95
69) Styrene	12.406	104	155311	19.967	ug/l	99
70) Isopropylbenzene	12.694	105	226286	19.753	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	68752	22.793	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	57084m	21.707	ug/l	
73) Bromobenzene	12.976	156	54742	20.786	ug/l	99
74) n-propylbenzene	13.035	91	265200	19.482	ug/l	99
75) 2-Chlorotoluene	13.123	91	168942	19.881	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	184307	19.608	ug/l	98
77) t-1,4-Dichloro-2-butene	12.729	75	25543	19.139	ug/l	91
78) 4-Chlorotoluene	13.217	91	168526	19.834	ug/l	98
79) tert-butylbenzene	13.435	119	159066	19.760	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	185703	19.345	ug/l	97
81) sec-Butylbenzene	13.612	105	223670	19.465	ug/l	98
82) p-Isopropyltoluene	13.723	119	183201	19.053	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	100661	20.219	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	97903	19.904	ug/l	99
85) n-Butylbenzene	14.053	91	157538	18.362	ug/l	99
86) Hexachloroethane	14.329	117	29188	18.564	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	96035	20.273	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11431	18.645	ug/l	95
89) 1,2,4-Trichlorobenzene	15.835	180	41402	19.176	ug/l	99
90) Hexachlorobutadiene	15.494	225	17065	19.623	ug/l	97
91) Naphthalene	15.635	128	141682	18.330	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	41402	19.176	ug/l	99

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



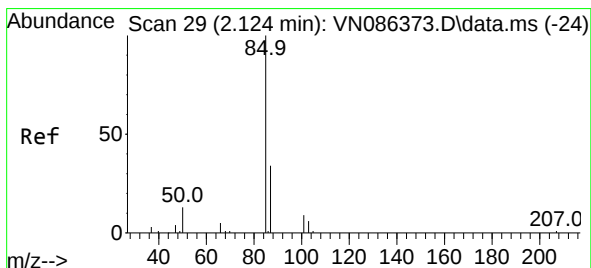
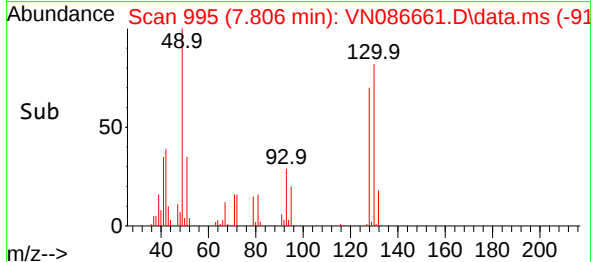
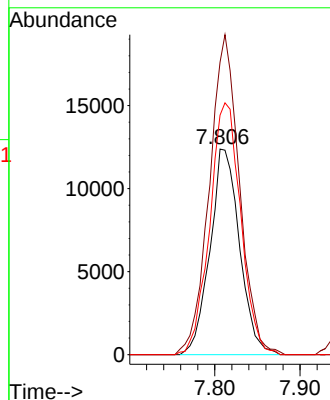
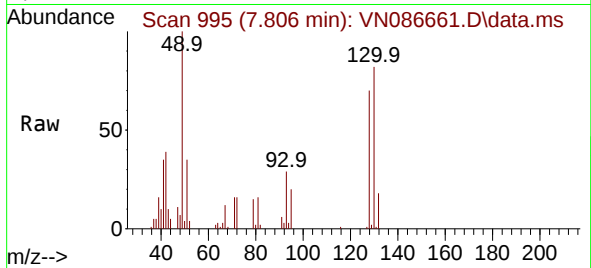
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 996
Delta R.T. -0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 2983
Ion Ratio Lower Upper
128 100
49 158.4 0.0 433.8
130 128.5 0.0 325.0

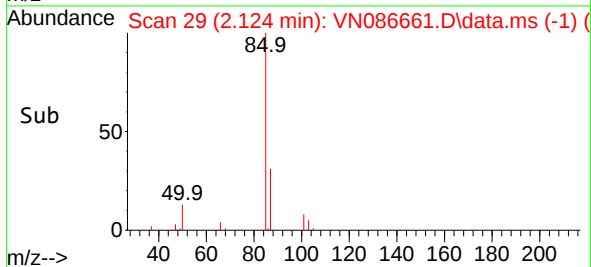
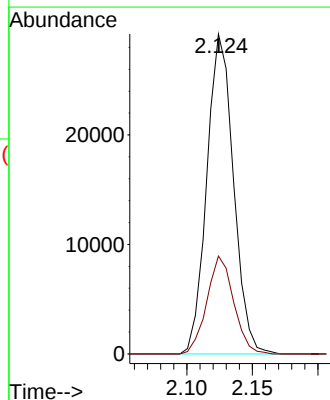
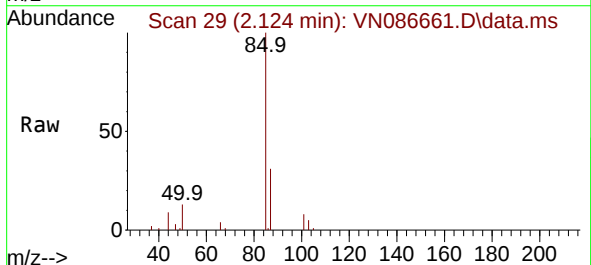
Manual Integrations
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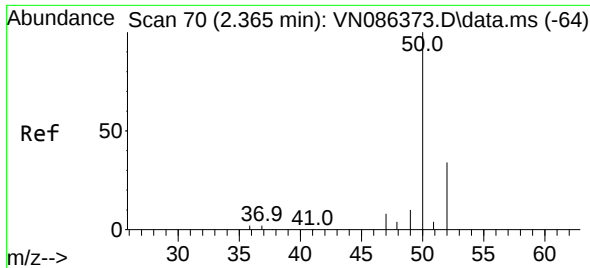
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#2
Dichlorodifluoromethane
Concen: 20.082 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion: 85 Resp: 41358
Ion Ratio Lower Upper
85 100
87 30.6 17.0 50.9





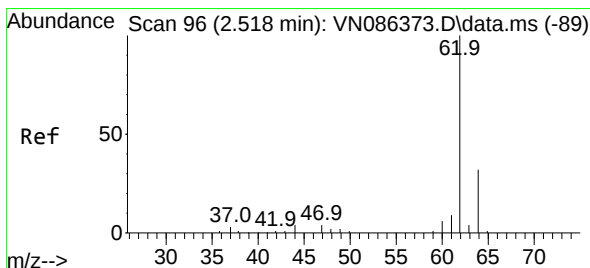
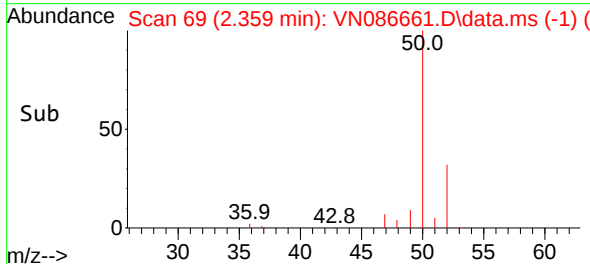
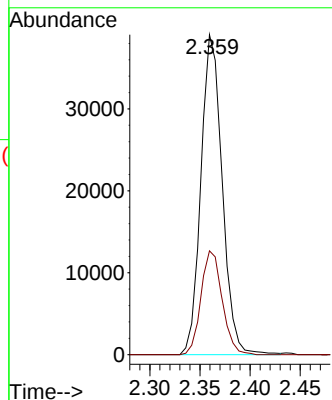
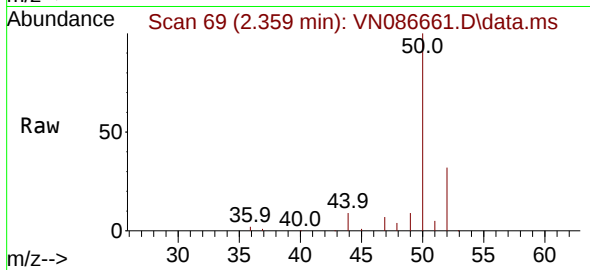
#3
Chloromethane
Concen: 19.768 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 50 Resp: 57830
Ion Ratio Lower Upper
50 100
52 32.5 27.3 40.9

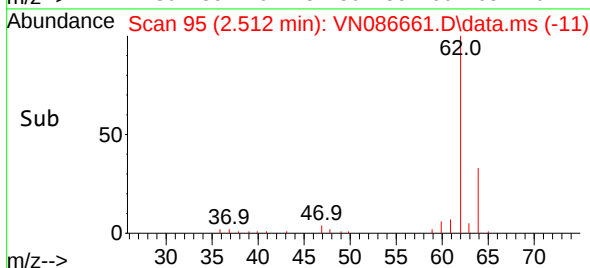
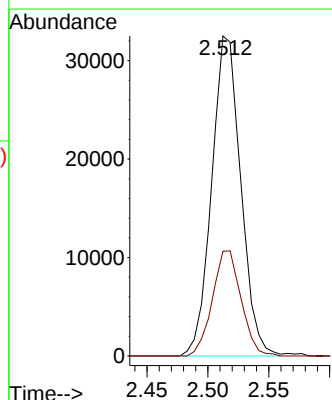
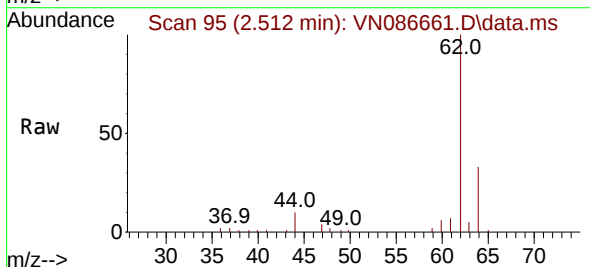
Manual Integrations
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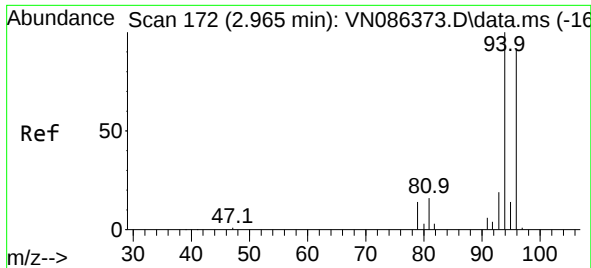
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#4
Vinyl Chloride
Concen: 19.277 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

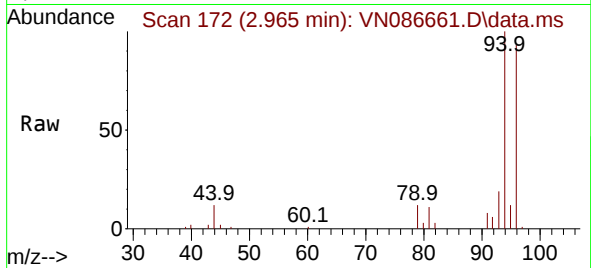
Tgt Ion: 62 Resp: 54013
Ion Ratio Lower Upper
62 100
64 32.7 25.8 38.8





#5
Bromomethane
Concen: 21.431 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

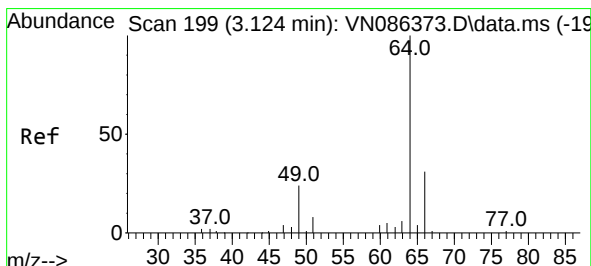
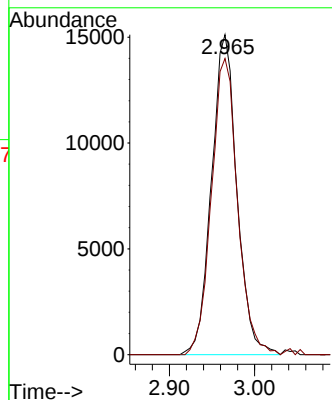
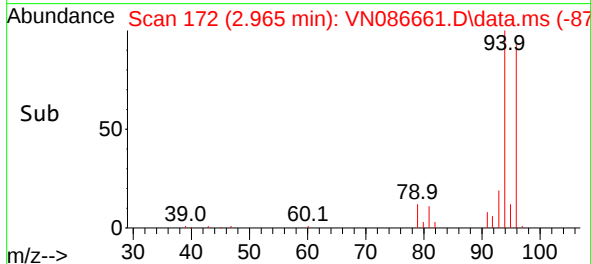
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



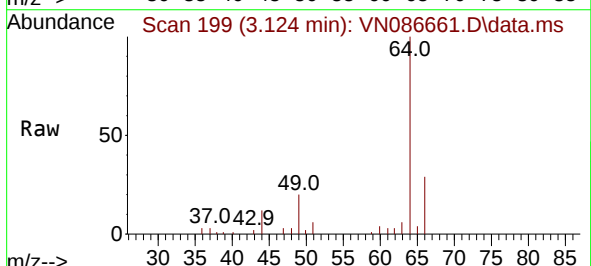
Tgt Ion: 94 Resp: 3135
Ion Ratio Lower Upper
94 100
96 92.5 72.4 108.6

Manual Integrations
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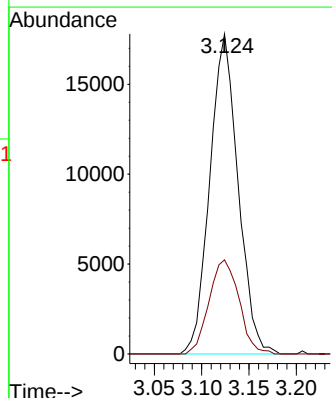
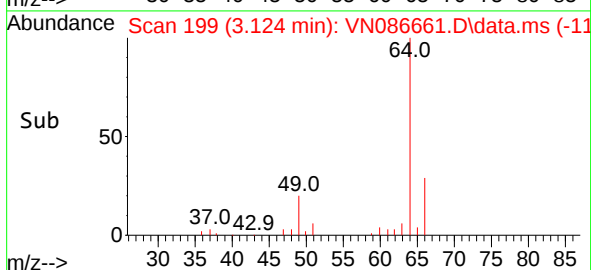
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

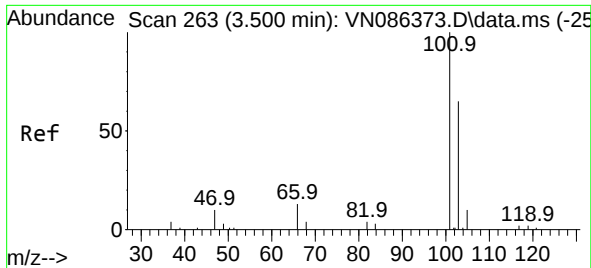


#6
Chloroethane
Concen: 19.758 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37



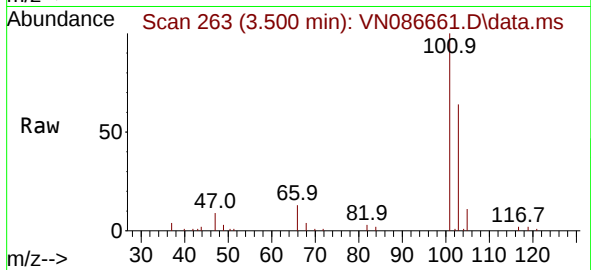
Tgt Ion: 64 Resp: 36907
Ion Ratio Lower Upper
64 100
66 29.4 24.5 36.7





#7
Trichlorofluoromethane
Concen: 20.390 ug/l
RT: 3.500 min Scan# 263
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

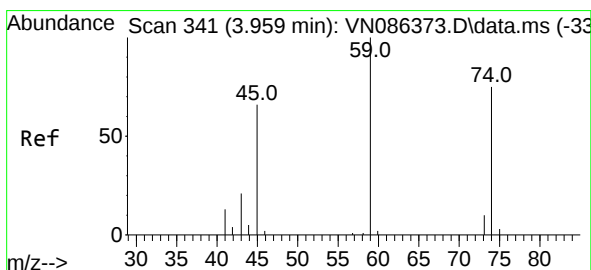
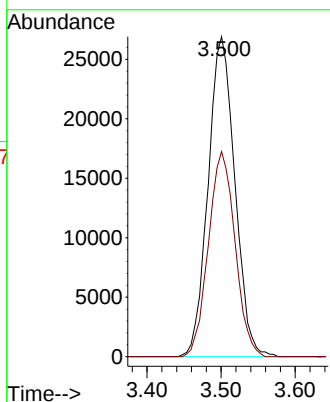
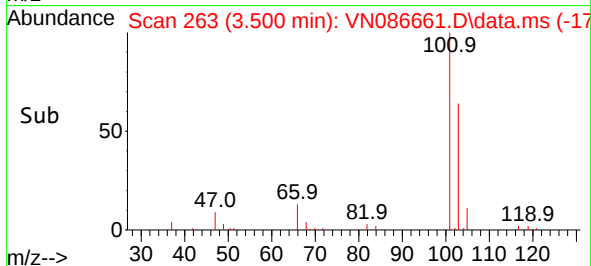
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:101 Resp: 67438
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.6

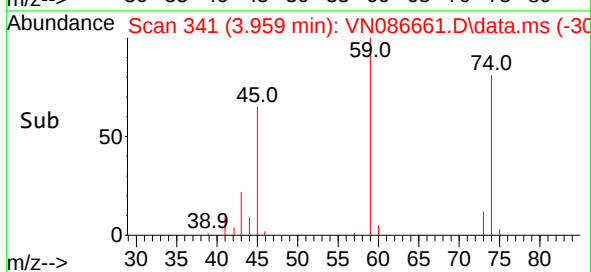
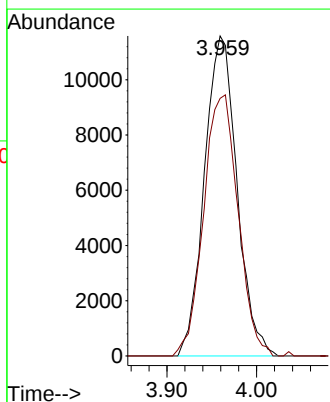
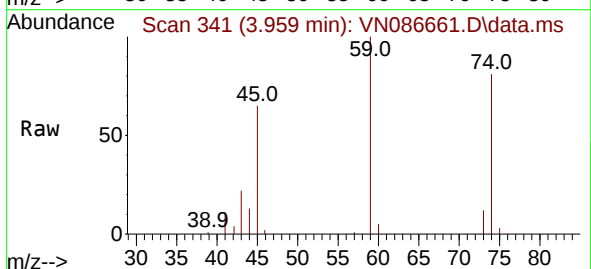
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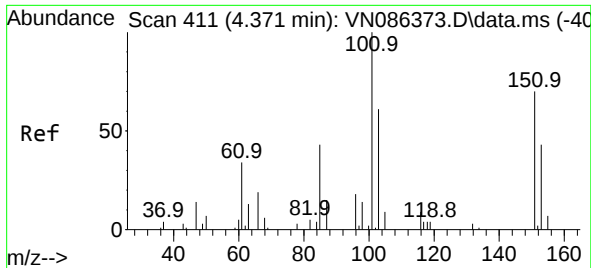
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#8
Diethyl Ether
Concen: 20.917 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion: 74 Resp: 29202
Ion Ratio Lower Upper
74 100
45 86.4 18.5 166.3





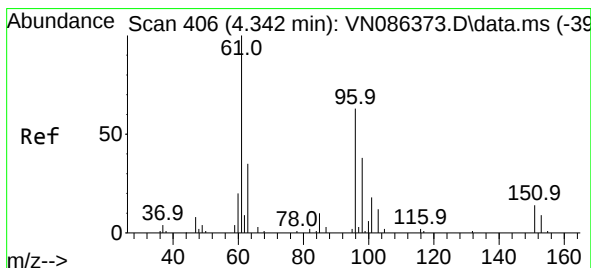
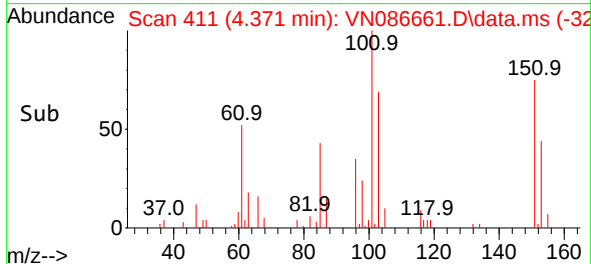
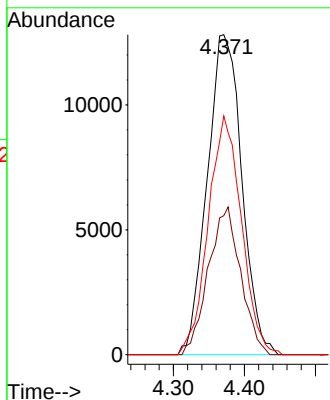
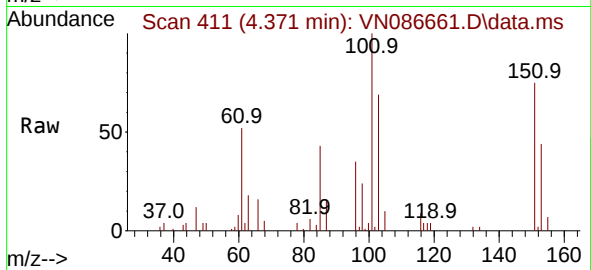
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1,1,2-Trichlorotrifluoroethane
Concen: 21.347 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 43404
Ion Ratio Lower Upper
101 100
85 43.1 0.0 84.4
151 71.6 0.0 145.8

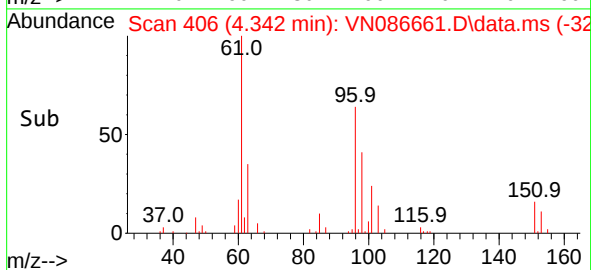
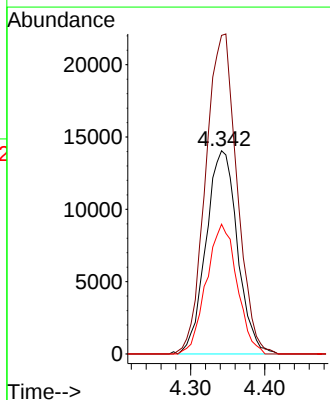
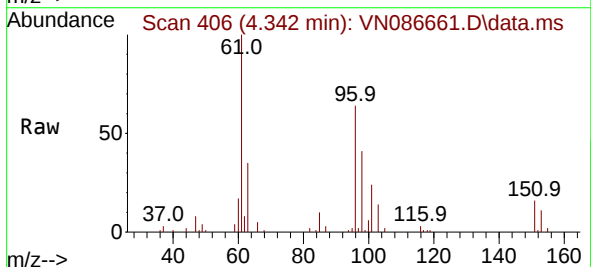
Manual Integrations
APPROVED

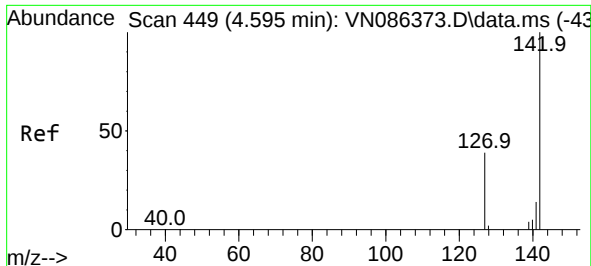
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#10
1,1-Dichloroethene
Concen: 19.884 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

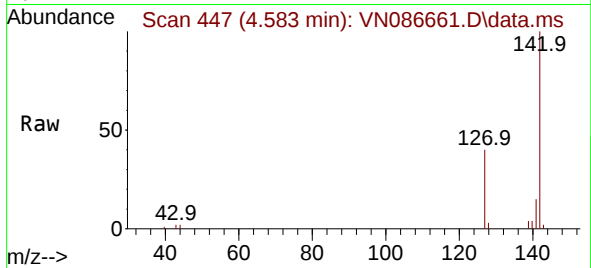
Tgt Ion: 96 Resp: 41381
Ion Ratio Lower Upper
96 100
61 156.8 126.2 189.4
98 63.8 48.5 72.7





#11
Methyl Iodide
Concen: 19.053 ug/l
RT: 4.583 min Scan# 449
Delta R.T. -0.012 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

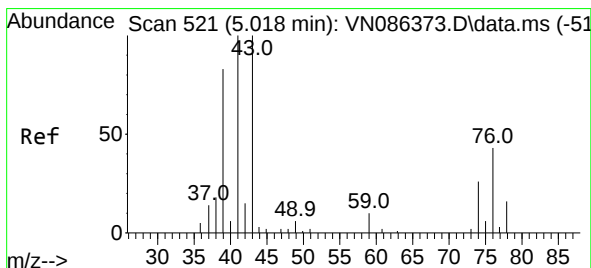
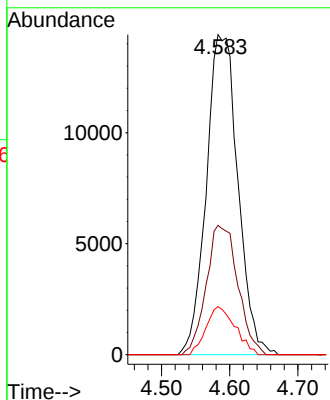
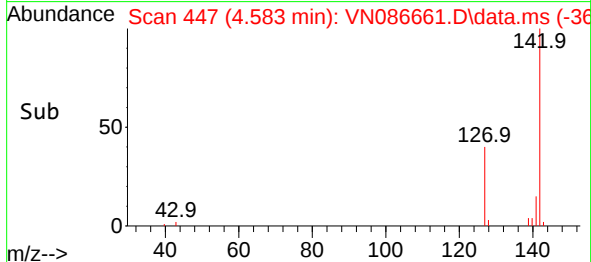
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC020



Tgt Ion: 142 Resp: 4639
Ion Ratio Lower Upper
142 100
127 40.4 19.3 57.9
141 15.0 7.1 21.3

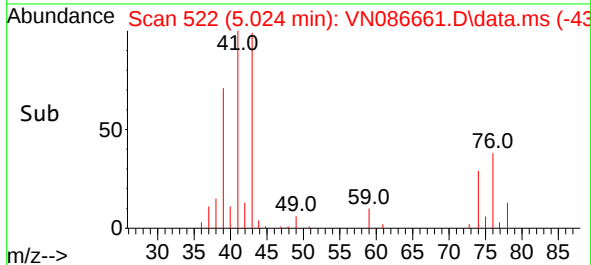
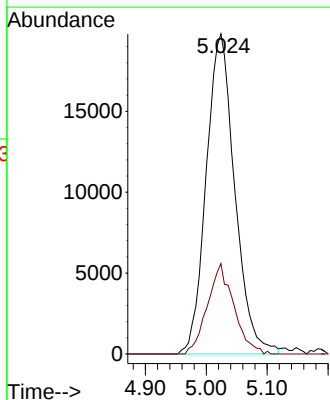
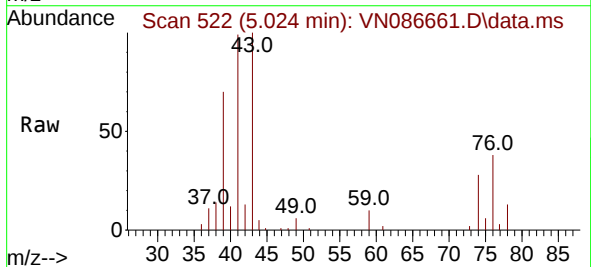
Manual Integrations
APPROVED

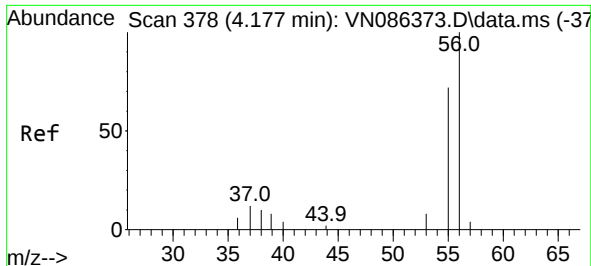
Reviewed By : John Carlone 05/19/2025
Supervised By : Mahesh Dadoda 05/19/2025



#12
Methyl Acetate
Concen: 21.891 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion: 43 Resp: 64573
Ion Ratio Lower Upper
43 100
74 28.5 20.8 31.2





#13

Acrolein

Concen: 82.166 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN086661.D

Acq: 16 May 2025 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 56 Resp: 12510

Ion Ratio Lower Upper

56 100

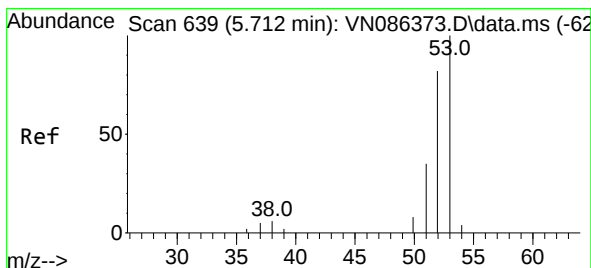
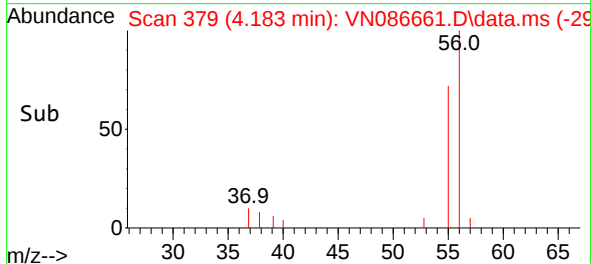
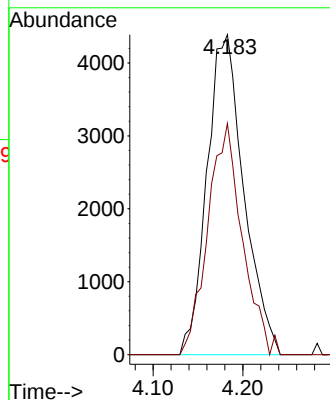
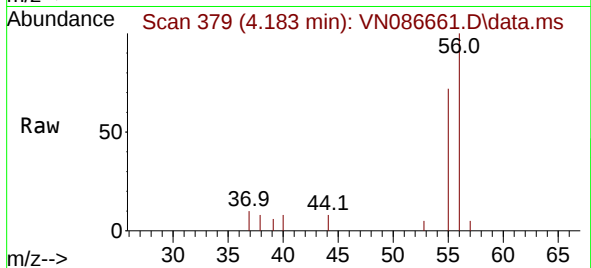
55 66.6 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#14

Acrylonitrile

Concen: 109.322 ug/l

RT: 5.712 min Scan# 639

Delta R.T. 0.000 min

Lab File: VN086661.D

Acq: 16 May 2025 11:37

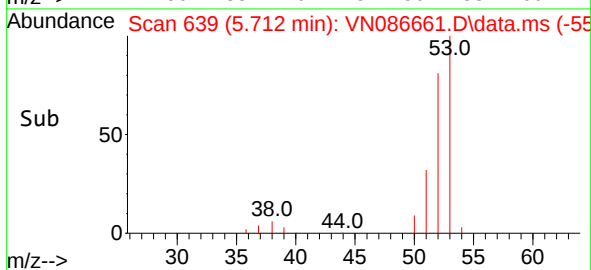
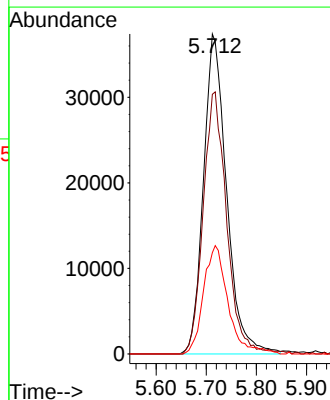
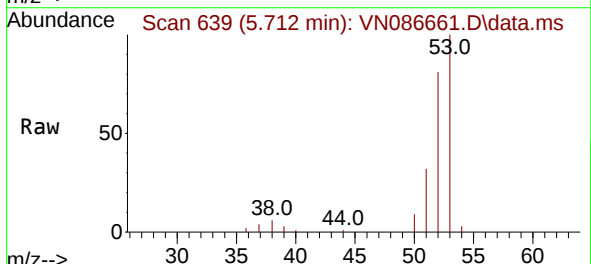
Tgt Ion: 53 Resp: 120018

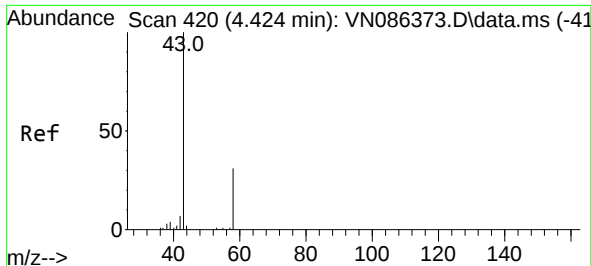
Ion Ratio Lower Upper

53 100

52 82.3 41.2 123.6

51 35.8 17.6 52.8





#15

Acetone

Concen: 116.663 ug/l

RT: 4.424 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN086661.D

Acq: 16 May 2025 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 3529

Ion Ratio Lower Upper

58 100

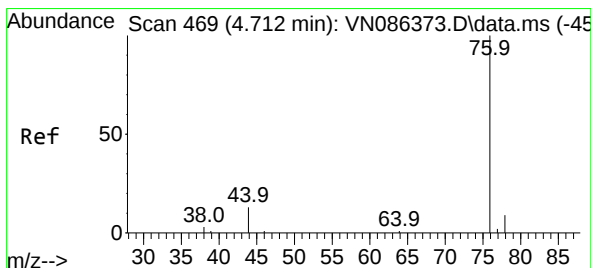
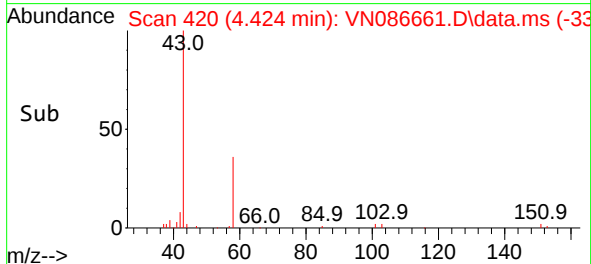
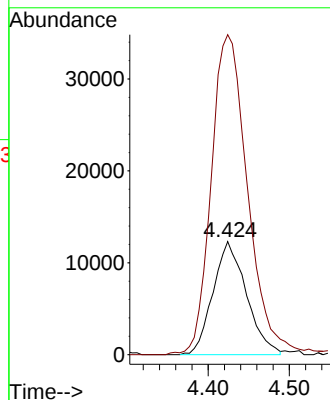
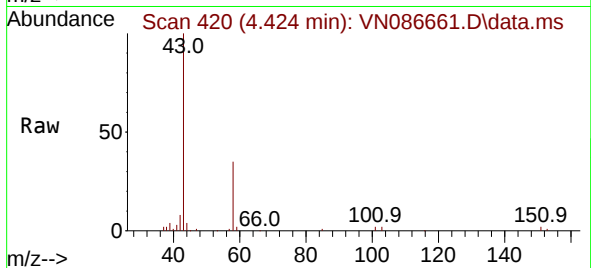
43 281.3 255.1 382.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#16

Carbon Disulfide

Concen: 18.981 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN086661.D

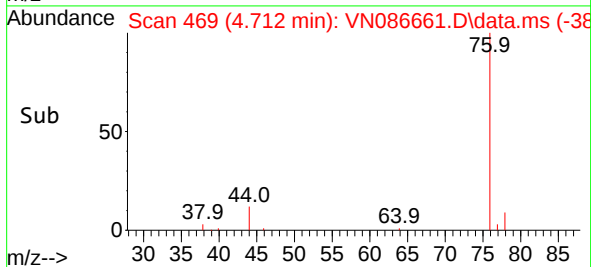
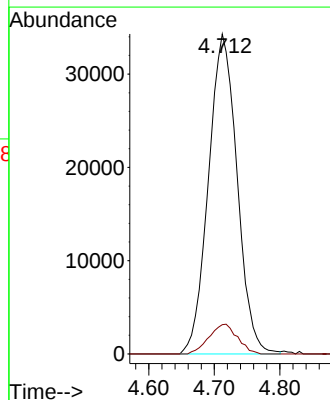
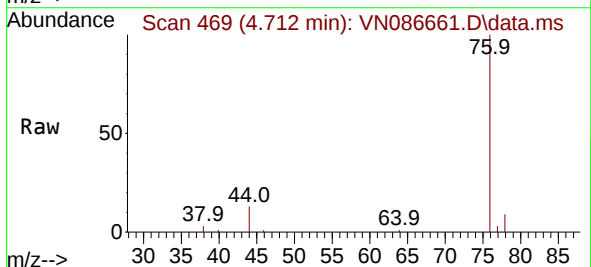
Acq: 16 May 2025 11:37

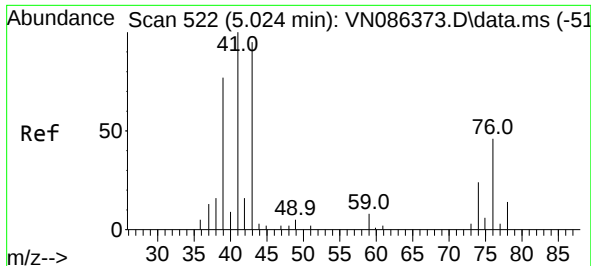
Tgt Ion: 76 Resp: 104088

Ion Ratio Lower Upper

76 100

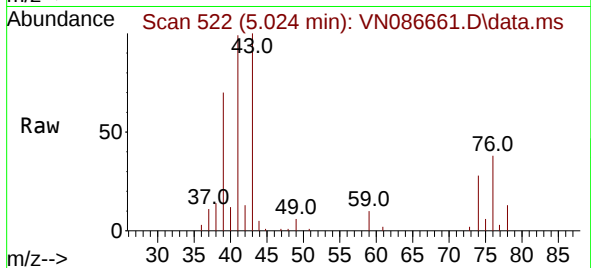
78 9.2 7.1 10.7





#17
 Allyl chloride
 Concen: 19.296 ug/l
 RT: 5.024 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN086661.D
 Acq: 16 May 2025 11:37

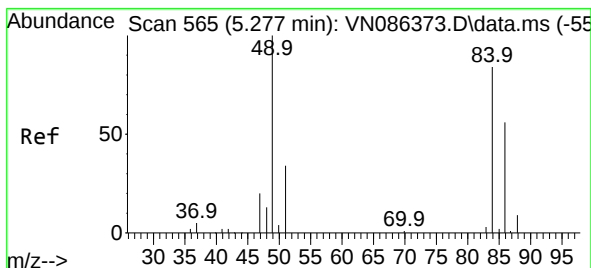
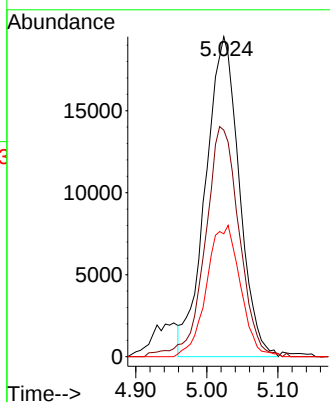
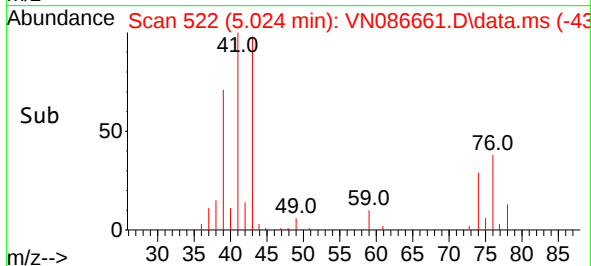
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 41 Resp: 64209
 Ion Ratio Lower Upper
 41 100
 39 69.8 36.7 110.1
 76 37.6 21.8 65.4

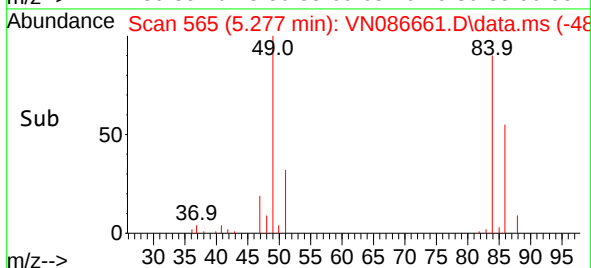
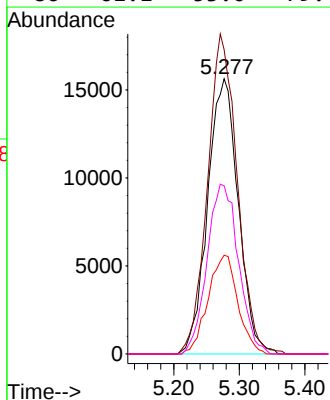
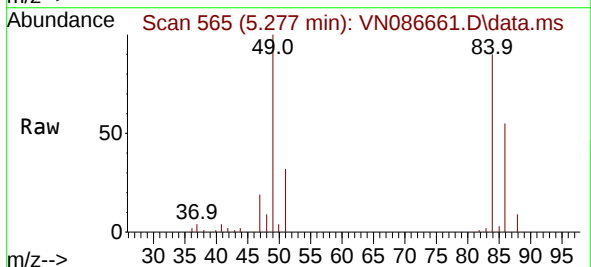
Manual Integrations
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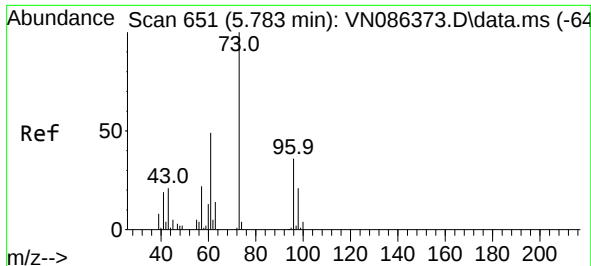
Reviewed By :John Carlone 05/19/2025
 Supervised By :Mahesh Dadoda 05/19/2025



#18
 Methylene Chloride
 Concen: 21.393 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. 0.000 min
 Lab File: VN086661.D
 Acq: 16 May 2025 11:37

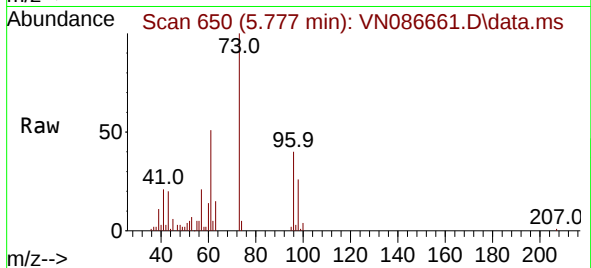
Tgt Ion: 84 Resp: 50701
 Ion Ratio Lower Upper
 84 100
 49 110.6 95.4 143.0
 51 35.9 32.8 49.2
 86 61.1 53.0 79.4





#19
trans-1,2-Dichloroethene
Concen: 19.985 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

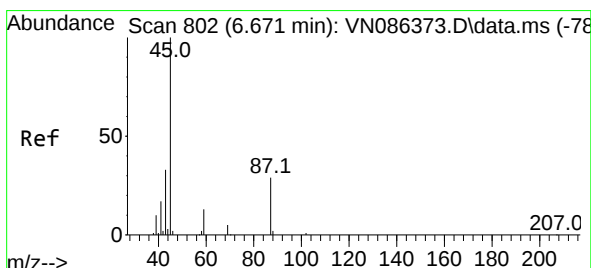
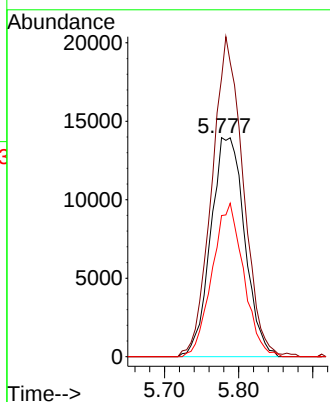
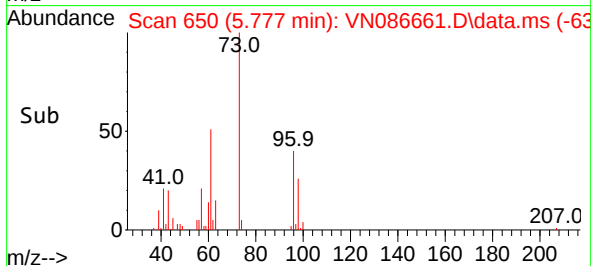
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 96 Resp: 4433
Ion Ratio Lower Upper
96 100
61 127.2 107.3 160.9
98 64.5 46.7 70.1

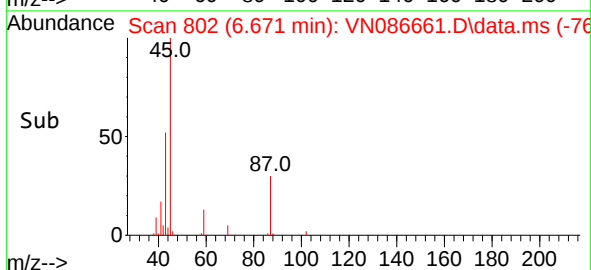
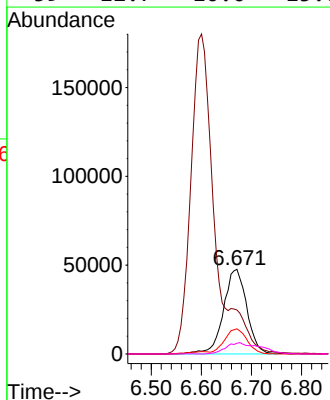
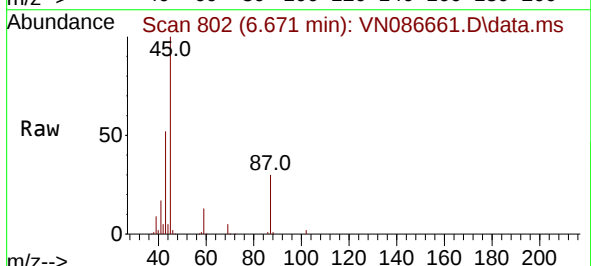
Manual Integrations
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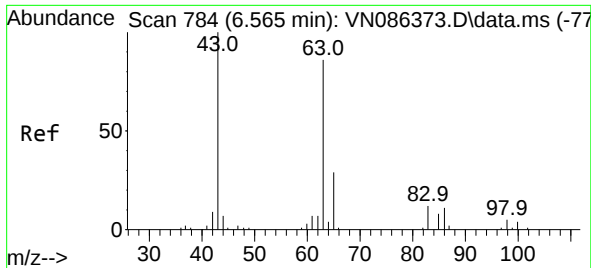
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#20
Diisopropyl ether
Concen: 19.465 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion: 45 Resp: 154005
Ion Ratio Lower Upper
45 100
43 50.2 38.8 58.2
87 29.7 23.5 35.3
59 12.7 10.0 15.0





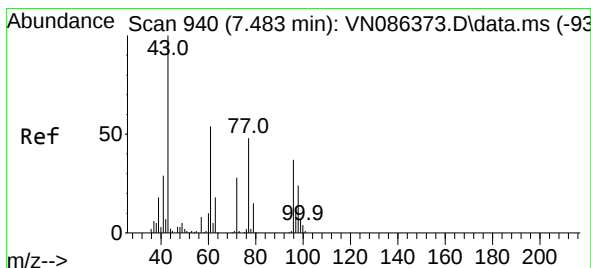
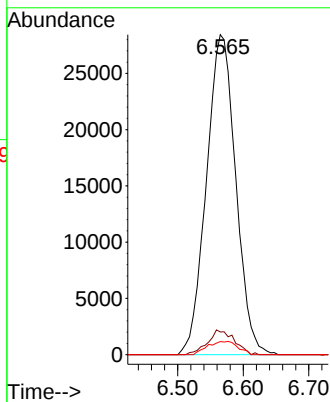
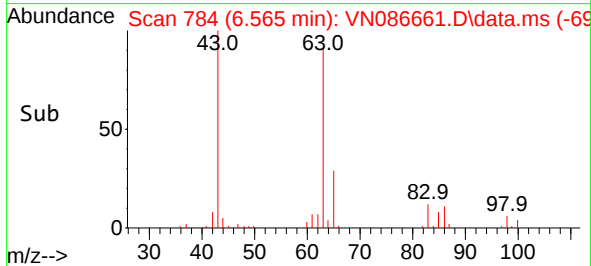
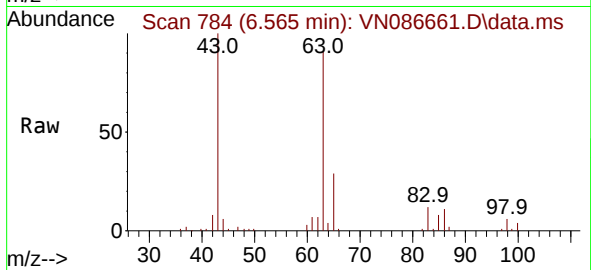
#21
1,1-Dichloroethane
Concen: 20.420 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 88439
Ion Ratio Lower Upper
63 100
98 7.1 3.0 9.2
100 4.1 2.3 6.8

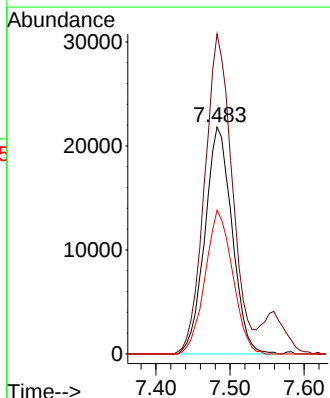
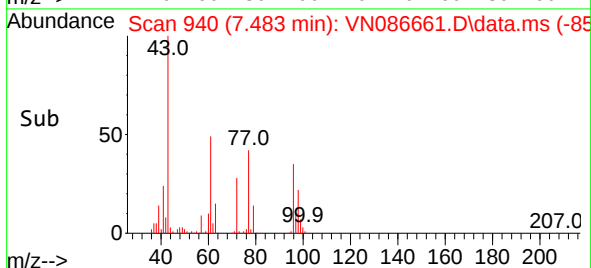
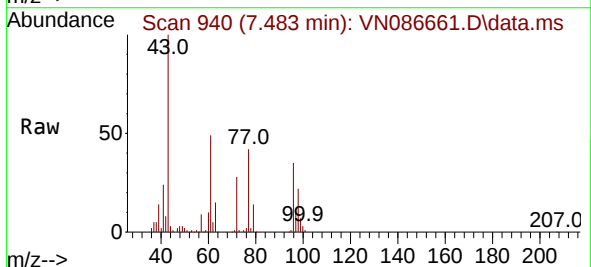
Manual Integrations
APPROVED

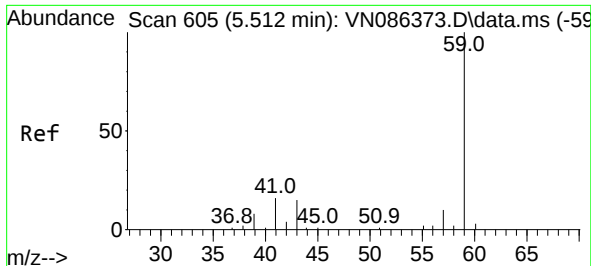
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#22
cis-1,2-Dichloroethene
Concen: 20.090 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

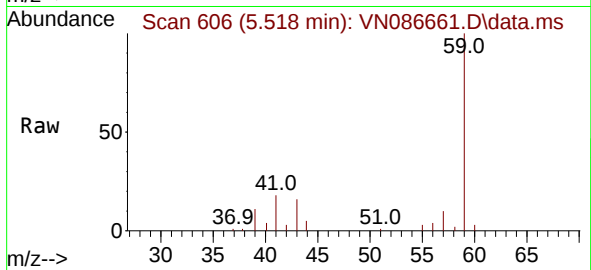
Tgt Ion: 96 Resp: 55722
Ion Ratio Lower Upper
96 100
61 141.5 120.6 181.0
98 64.2 51.8 77.6





#23
tert-Butyl Alcohol
Concen: 110.362 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

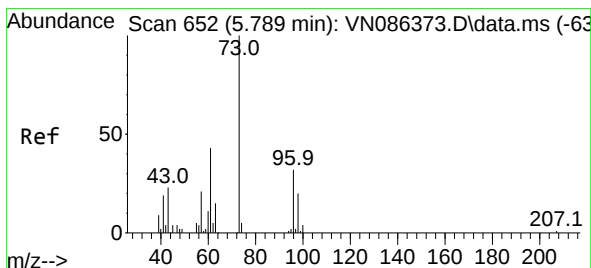
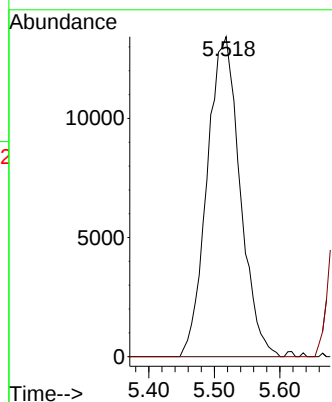
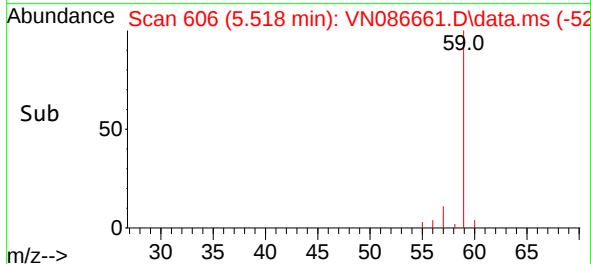
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



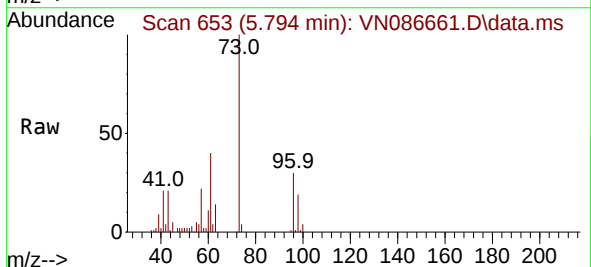
Tgt Ion: 59 Resp: 4693
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

Manual Integrations
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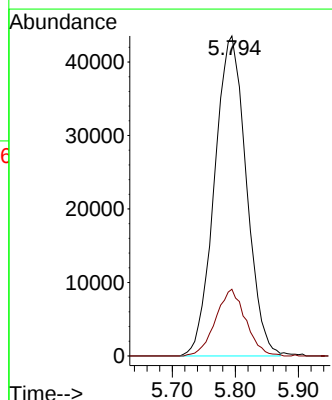
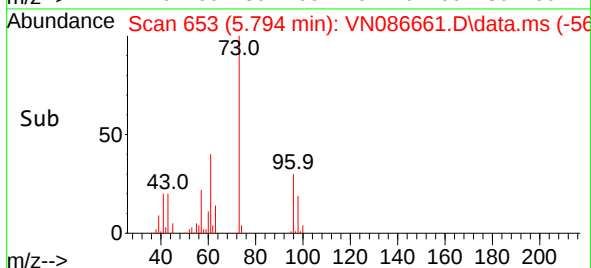
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

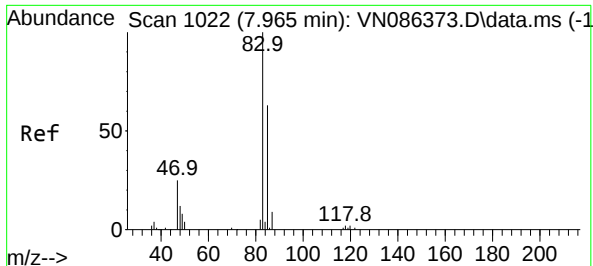


#24
Methyl tert-Butyl Ether
Concen: 19.800 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37



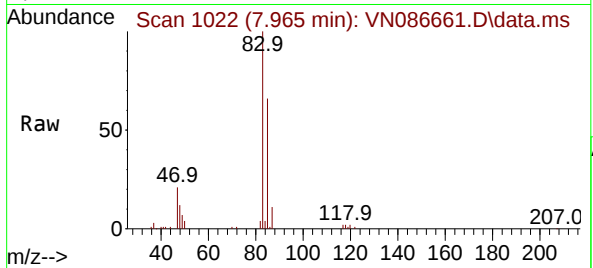
Tgt Ion: 73 Resp: 152245
Ion Ratio Lower Upper
73 100
43 19.8 17.1 25.7





#25
Chloroform
Concen: 20.361 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

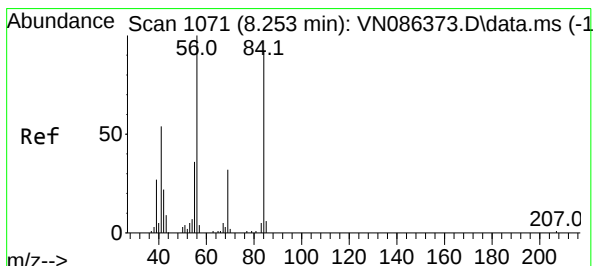
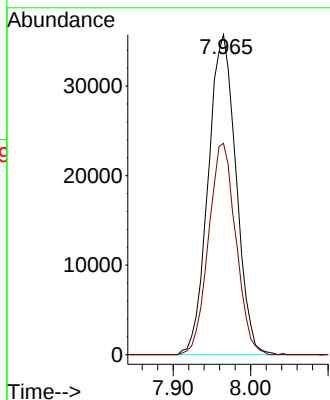
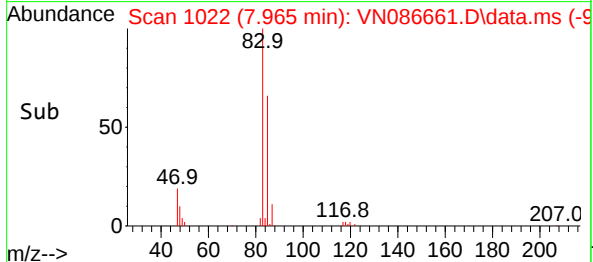
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



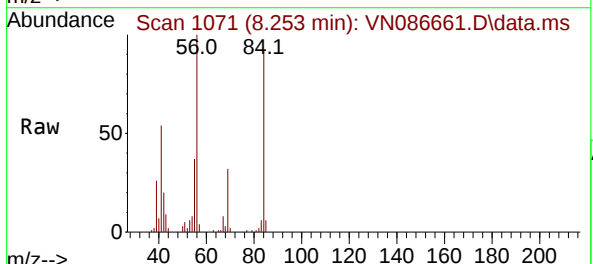
Tgt Ion: 83 Resp: 8924
Ion Ratio Lower Upper
83 100
85 66.0 50.2 75.2

Manual Integrations
APPROVED

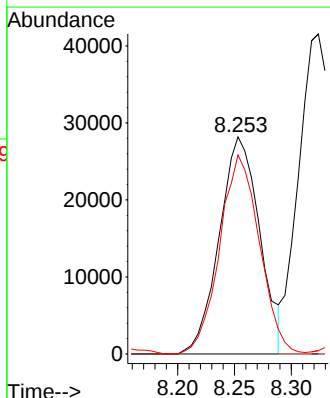
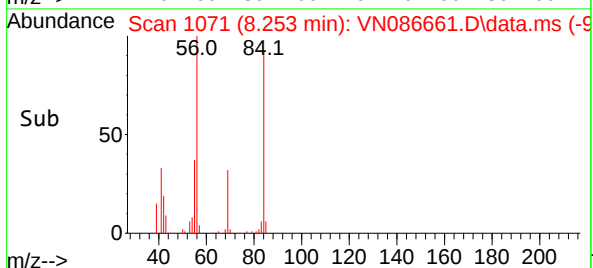
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

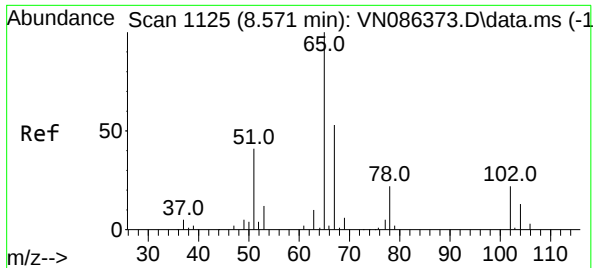


#26
Cyclohexane
Concen: 18.215 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37



Tgt Ion: 56 Resp: 69656
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 90.2 71.5 107.3





#27
1,2-Dichloroethane-d4
Concen: 28.603 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Instrument :

MSVOA_N

ClientSampleId :

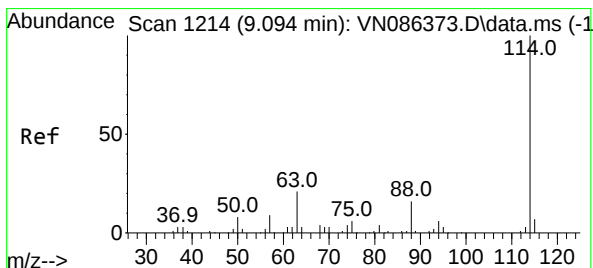
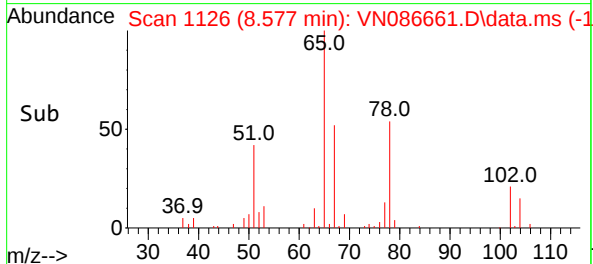
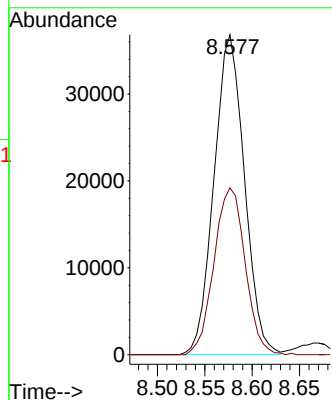
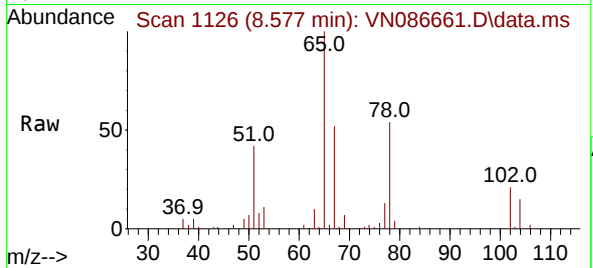
VSTDCCC020

Tgt Ion: 65 Resp: 82264
Ion Ratio Lower Upper
65 100
67 53.3 42.5 63.7

Manual Integrations

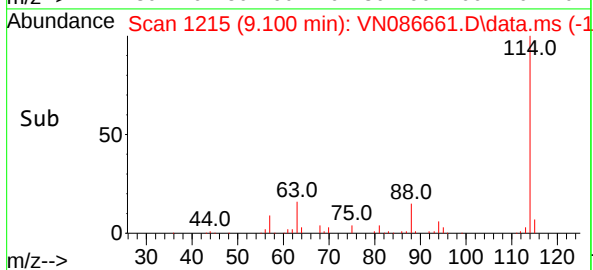
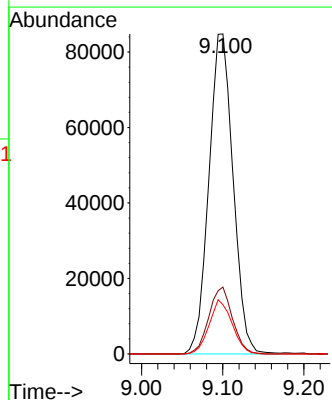
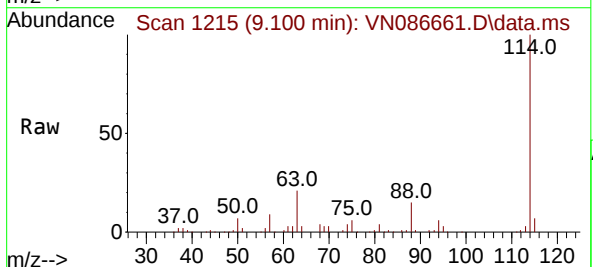
APPROVED

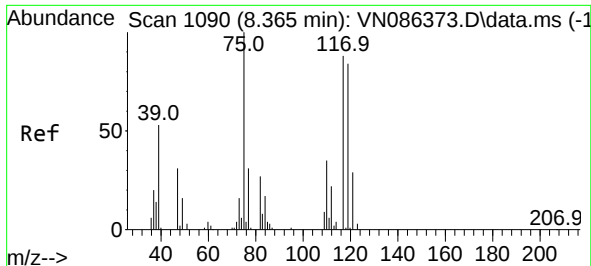
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

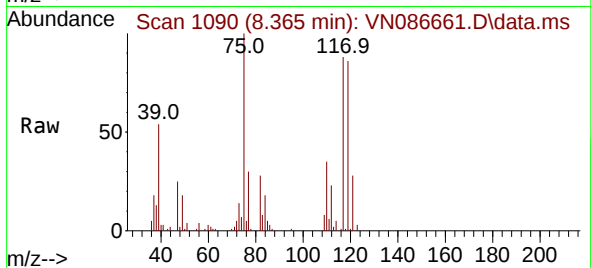
Tgt Ion:114 Resp: 175700
Ion Ratio Lower Upper
114 100
63 20.3 16.7 25.1
88 16.0 12.6 19.0





#29
1,1-Dichloropropene
Concen: 20.149 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

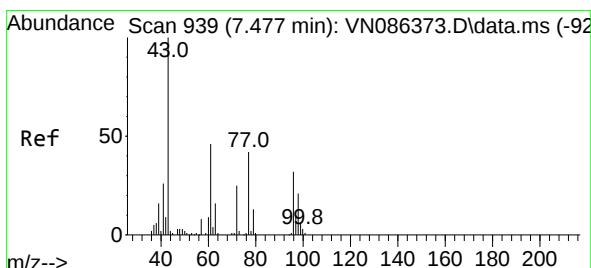
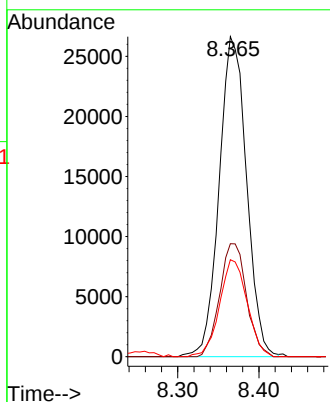
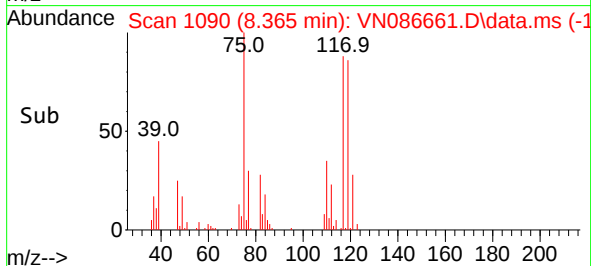
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	0.0	68.0
77	30.5	0.0	61.4

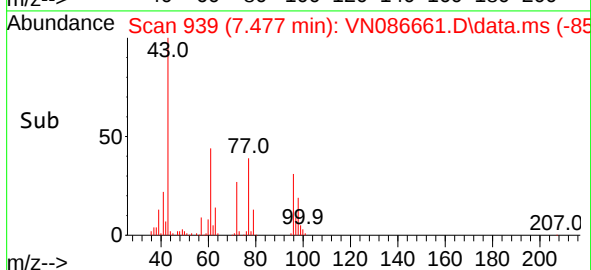
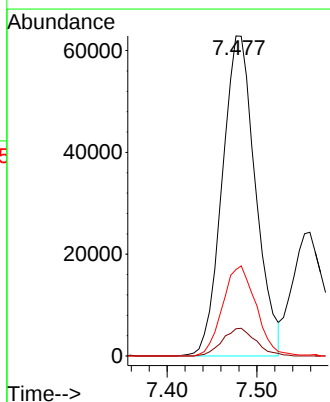
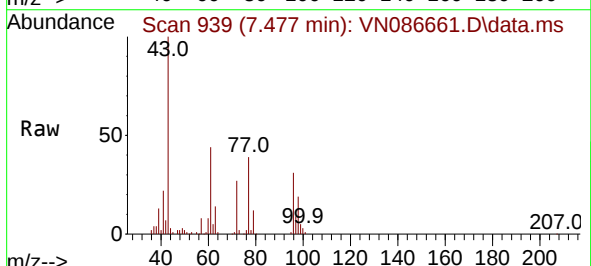
Manual Integrations
APPROVED

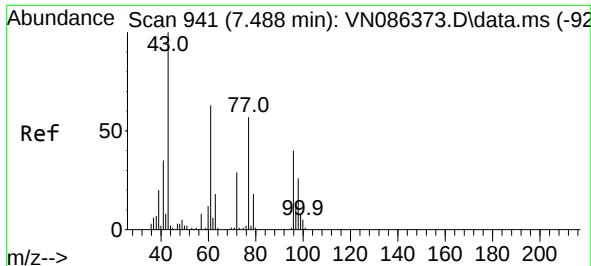
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#30
2-Butanone
Concen: 107.859 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.7	6.6	10.0
72	28.2	22.2	33.4





#31

2,2-Dichloropropane

Concen: 19.542 ug/l

RT: 7.483 min Scan# 941

Delta R.T. -0.006 min

Lab File: VN086661.D

Acq: 16 May 2025 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 77 Resp: 77810

Ion Ratio Lower Upper

77 100

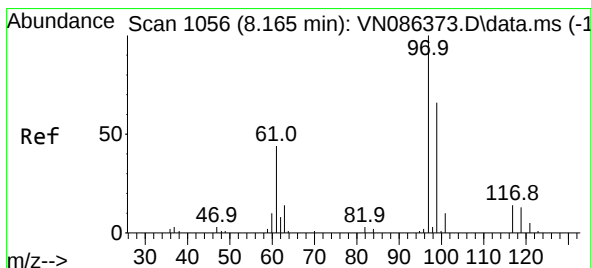
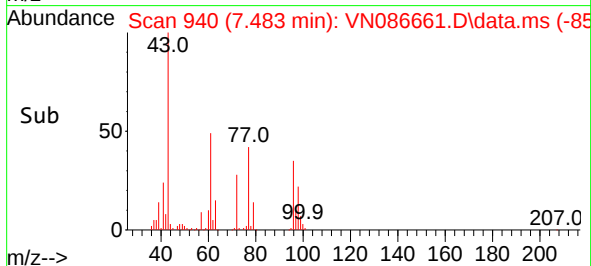
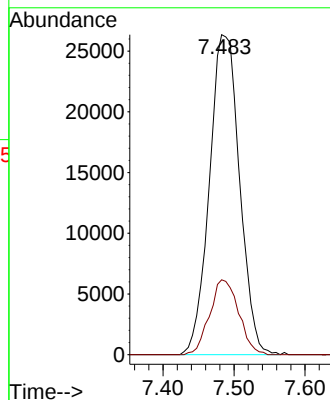
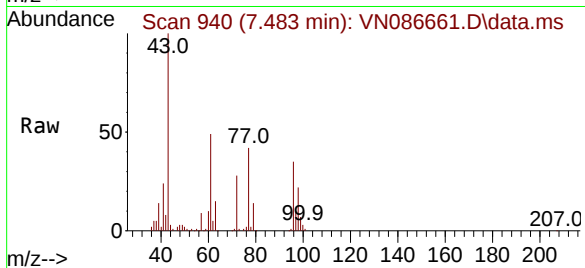
97 22.4 18.2 27.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#32

1,1,1-Trichloroethane

Concen: 20.359 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086661.D

Acq: 16 May 2025 11:37

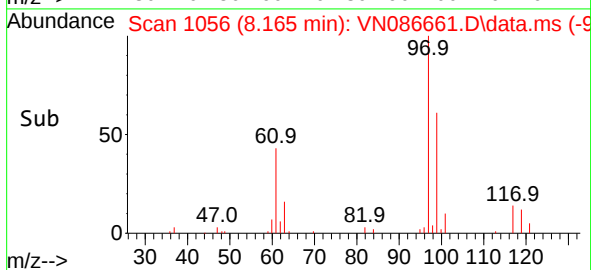
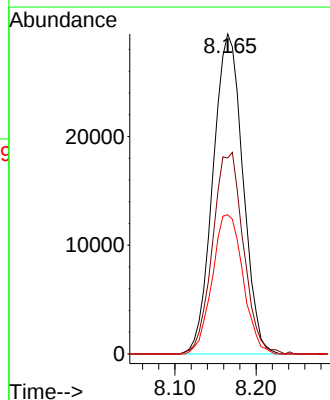
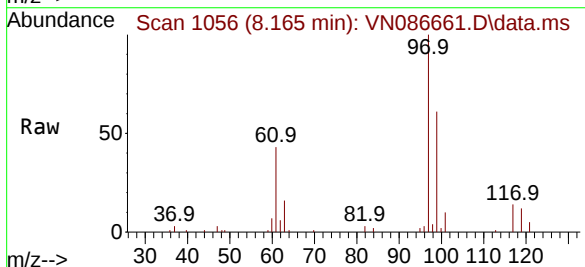
Tgt Ion: 97 Resp: 75356

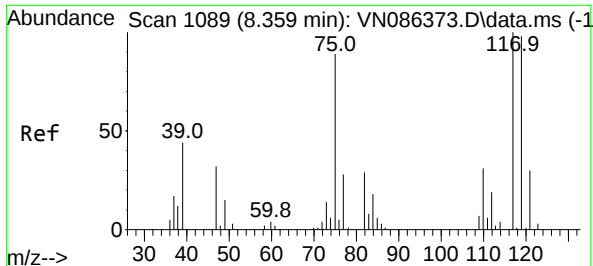
Ion Ratio Lower Upper

97 100

99 64.8 52.6 79.0

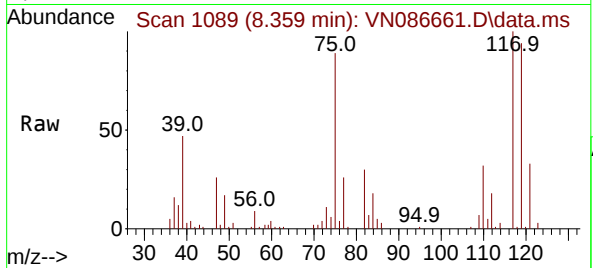
61 44.7 36.4 54.6





#33
Carbon Tetrachloride
Concen: 20.529 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

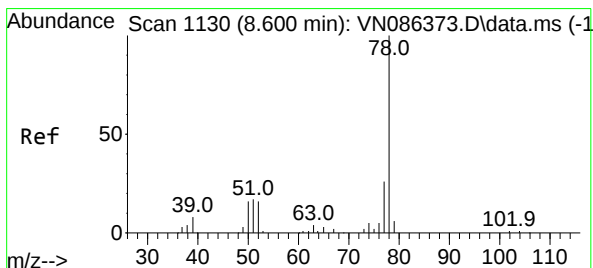
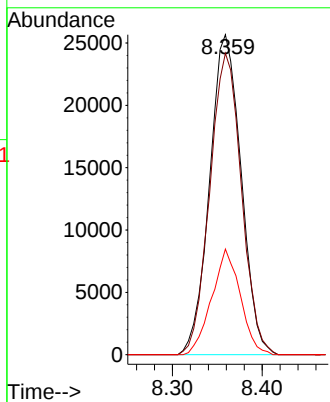
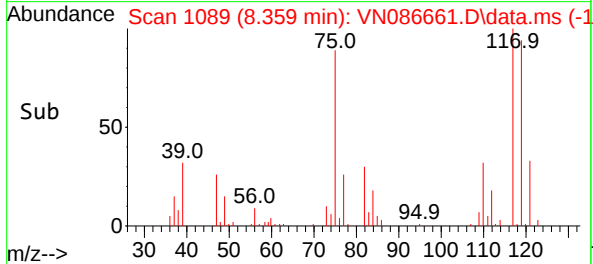
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



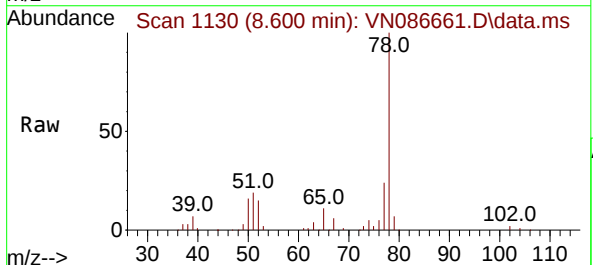
Tgt Ion:117 Resp: 6255
Ion Ratio Lower Upper
117 100
119 94.2 78.6 117.8
121 33.0 24.0 36.0

Manual Integrations
APPROVED

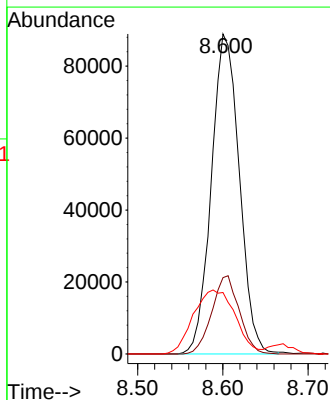
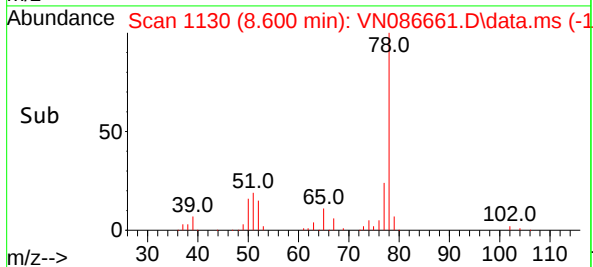
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

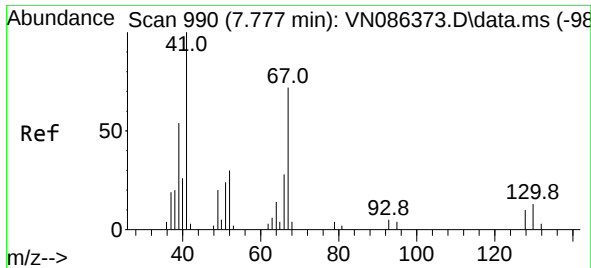


#34
Benzene
Concen: 20.610 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37



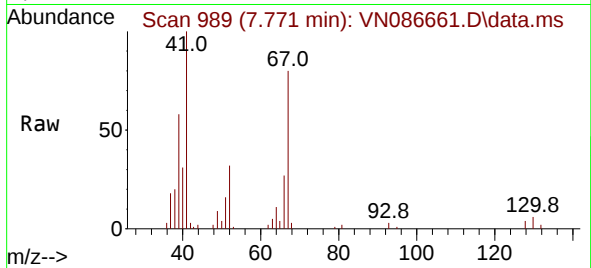
Tgt Ion: 78 Resp: 203047
Ion Ratio Lower Upper
78 100
77 23.9 20.8 31.2
51 17.0 14.0 21.0





#35
Methacrylonitrile
Concen: 19.742 ug/l
RT: 7.771 min Scan# 990
Delta R.T. -0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

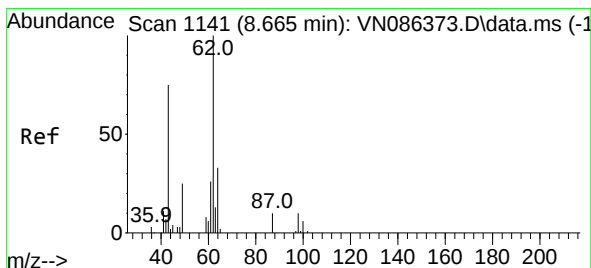
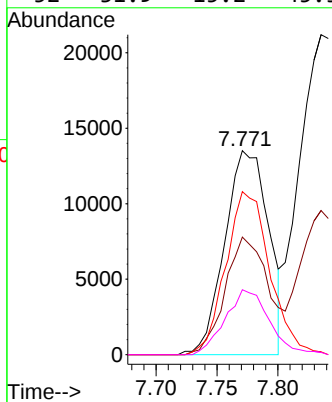
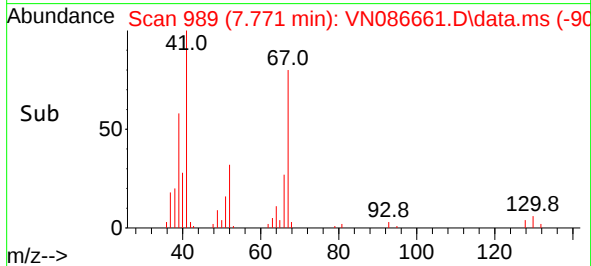
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:	41	Resp:	3385
Ion Ratio	100	Lower	Upper
39	57.7	27.0	80.8
67	80.0	35.8	107.3
52	31.9	15.2	45.5

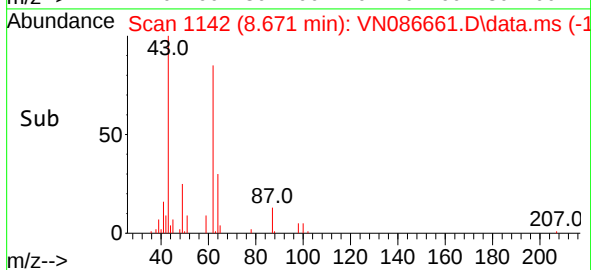
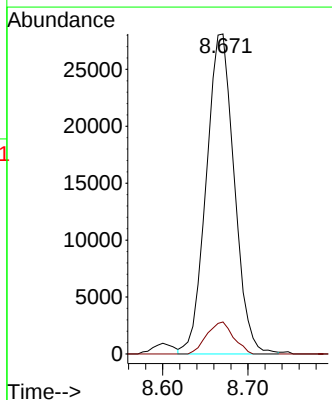
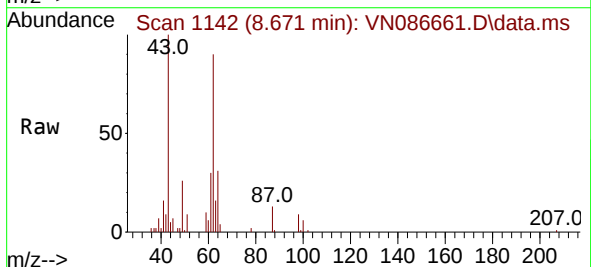
Manual Integrations
APPROVED

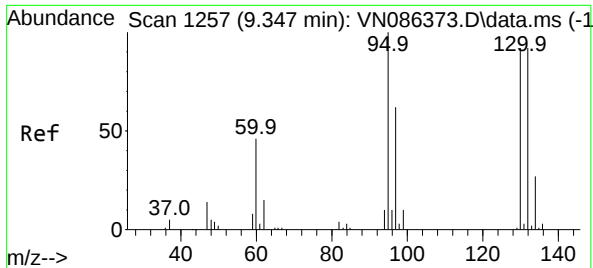
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#36
1,2-Dichloroethane
Concen: 20.075 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion:	62	Resp:	64212
Ion Ratio	100	Lower	Upper
98	9.5	7.6	11.4





#37

Trichloroethene

Concen: 19.871 ug/l

RT: 9.347 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN086661.D

Acq: 16 May 2025 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:130 Resp: 4900

Ion Ratio Lower Upper

130 100

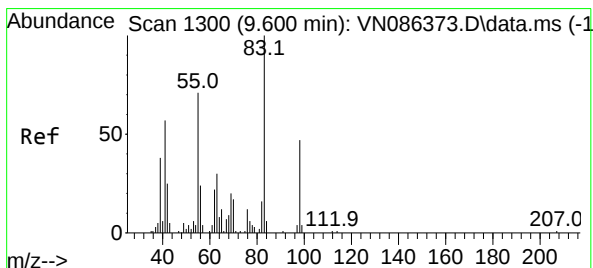
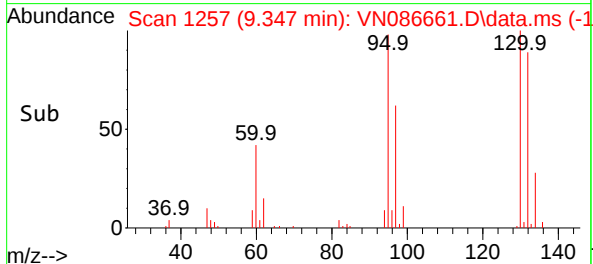
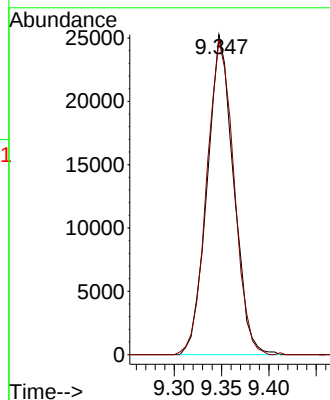
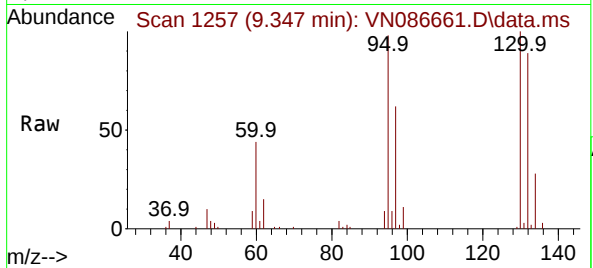
95 97.6 86.6 130.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#38

Methylcyclohexane

Concen: 18.692 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN086661.D

Acq: 16 May 2025 11:37

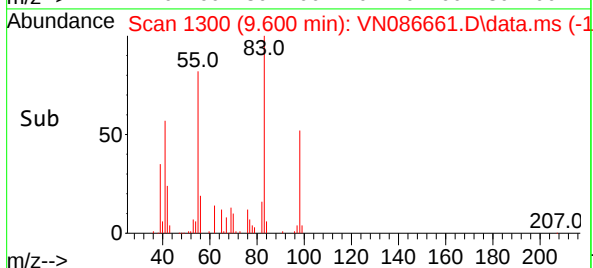
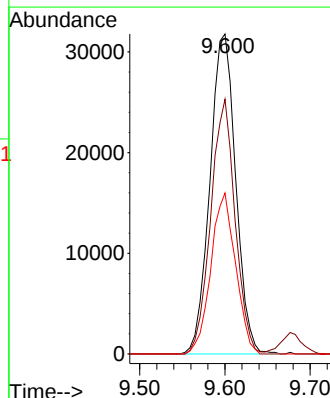
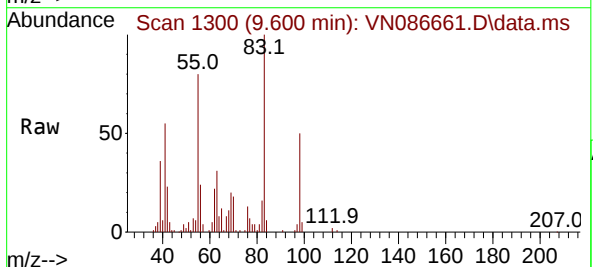
Tgt Ion: 83 Resp: 66866

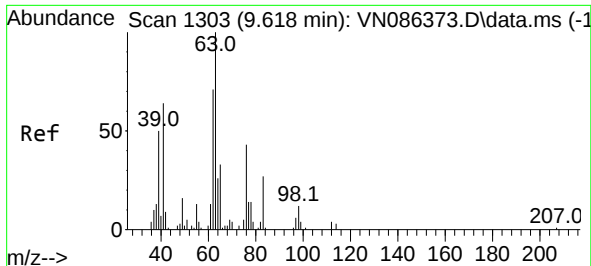
Ion Ratio Lower Upper

83 100

55 75.1 37.3 111.9

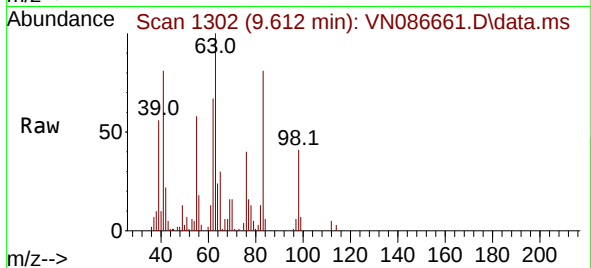
98 48.1 23.8 71.5





#39
1,2-Dichloropropane
Concen: 19.989 ug/l
RT: 9.612 min Scan# 1302
Delta R.T. -0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

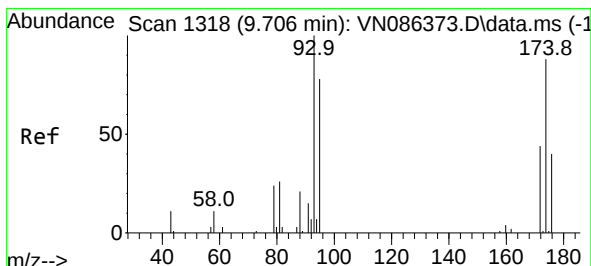
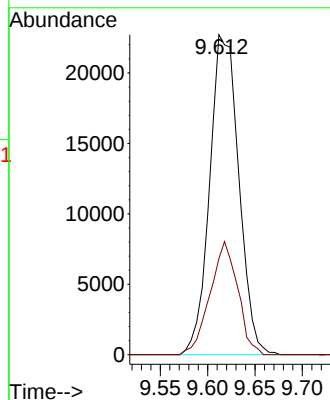
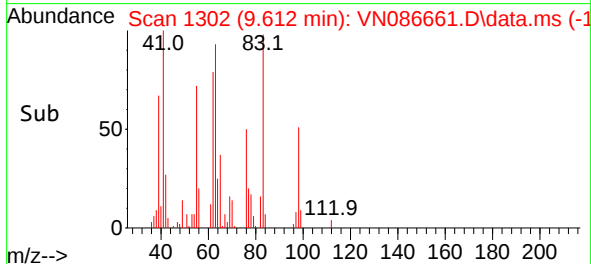
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 48649
Ion Ratio Lower Upper
63 100
65 30.0 26.7 40.1

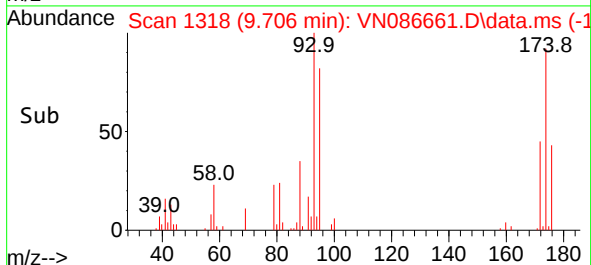
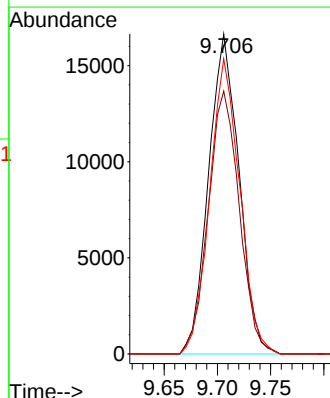
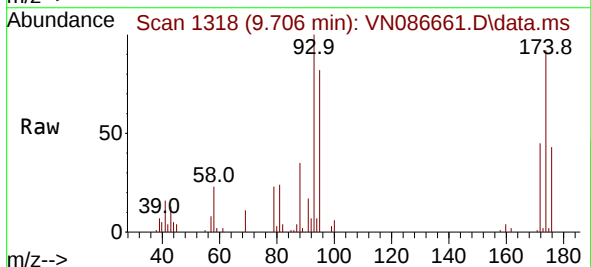
Manual Integrations
APPROVED

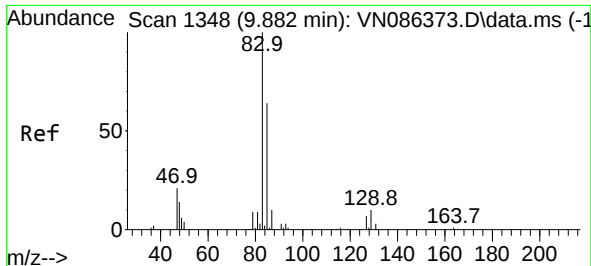
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#40
Dibromomethane
Concen: 20.283 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion: 93 Resp: 33013
Ion Ratio Lower Upper
93 100
95 83.9 0.0 159.2
174 91.4 0.0 171.4





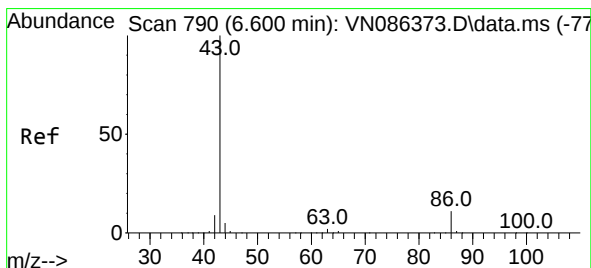
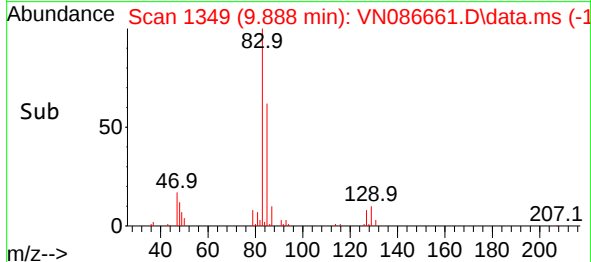
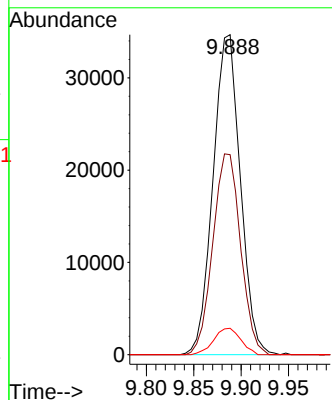
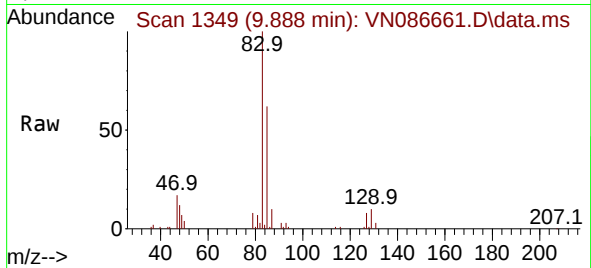
#41
Bromodichloromethane
Concen: 20.190 ug/l
RT: 9.888 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 6954
Ion Ratio Lower Upper
83 100
85 62.5 51.1 76.7
127 8.3 5.9 8.9

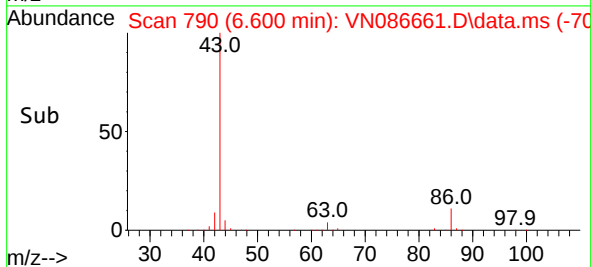
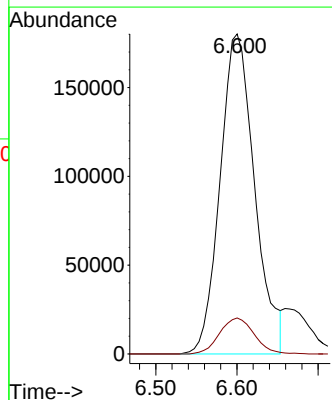
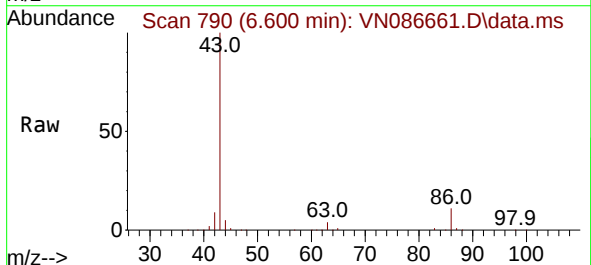
Manual Integrations
APPROVED

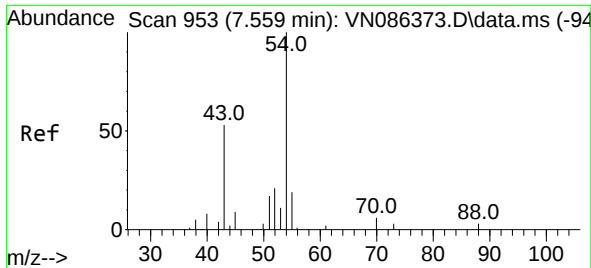
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#42
Vinyl Acetate
Concen: 102.547 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion: 43 Resp: 534061
Ion Ratio Lower Upper
43 100
86 11.2 8.9 13.3





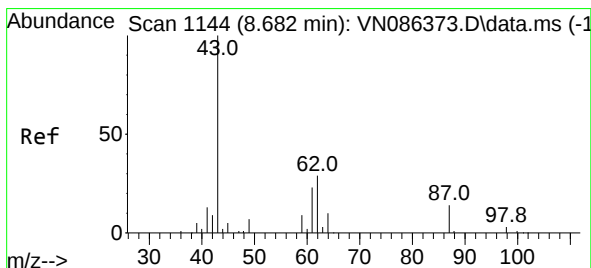
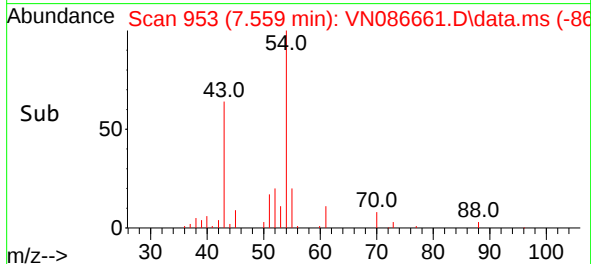
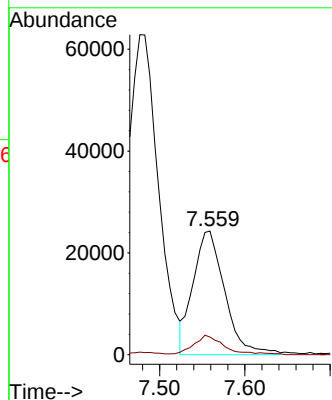
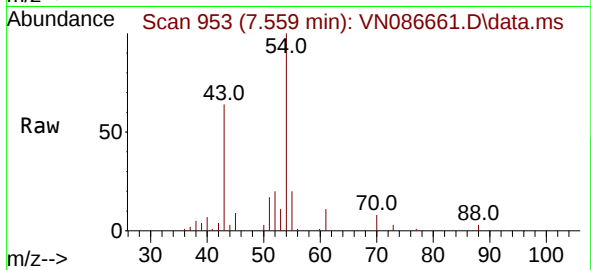
#43
Ethyl Acetate
Concen: 21.043 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 62600
Ion Ratio Lower Upper
43 100
45 12.8 11.4 17.2

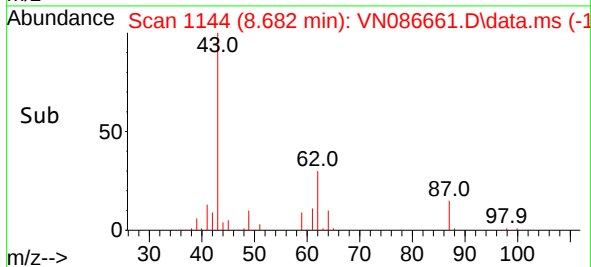
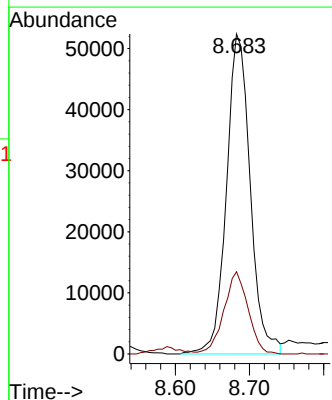
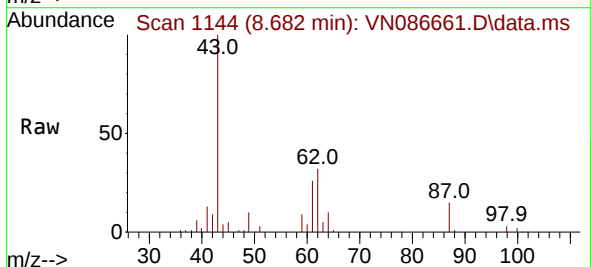
Manual Integrations
APPROVED

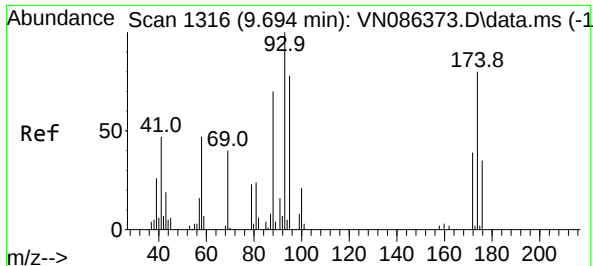
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#44
Isopropyl Acetate
Concen: 20.682 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

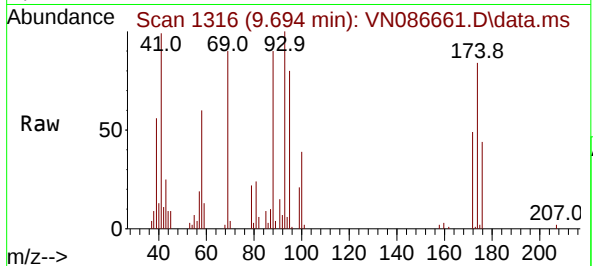
Tgt Ion: 43 Resp: 116785
Ion Ratio Lower Upper
43 100
61 26.1 21.0 31.4





#45
1,4-Dioxane
Concen: 463.944 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

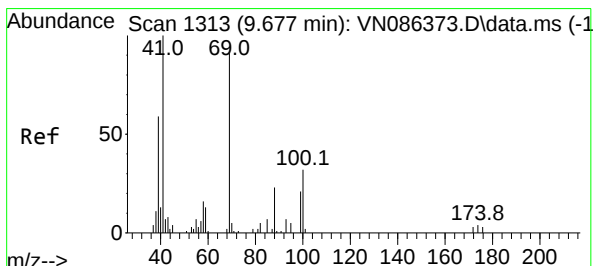
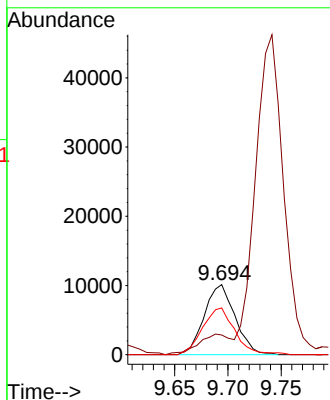
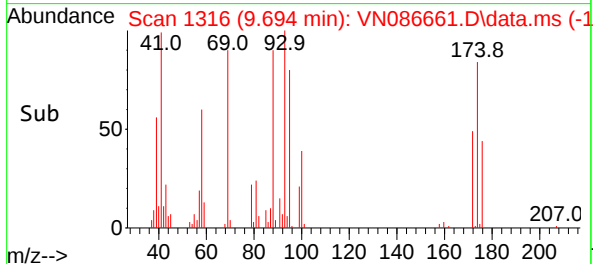
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



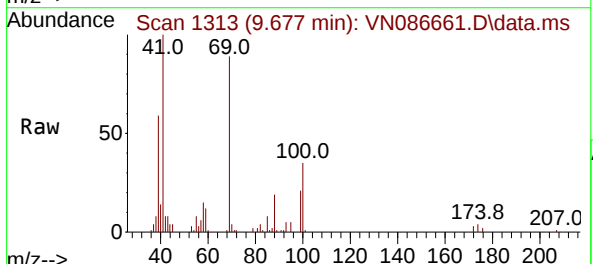
Tgt Ion: 88 Resp: 20440
Ion Ratio Lower Upper
88 100
43 25.8 24.9 37.3
58 69.8 57.8 86.8

Manual Integrations
APPROVED

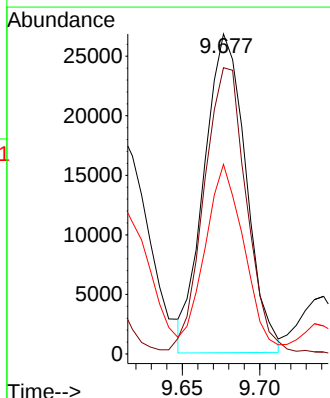
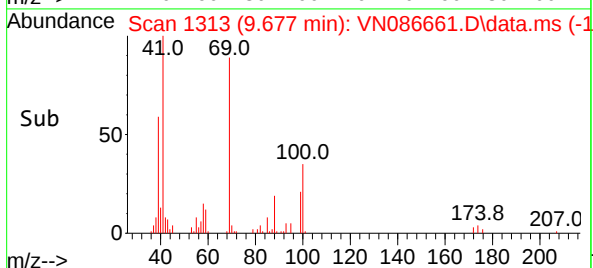
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

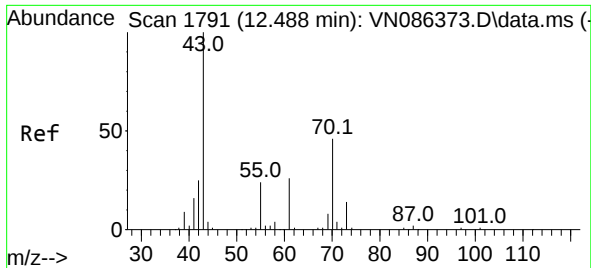


#46
Methyl methacrylate
Concen: 19.264 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37



Tgt Ion: 41 Resp: 50176
Ion Ratio Lower Upper
41 100
69 89.7 44.1 132.3
39 59.1 30.0 90.1





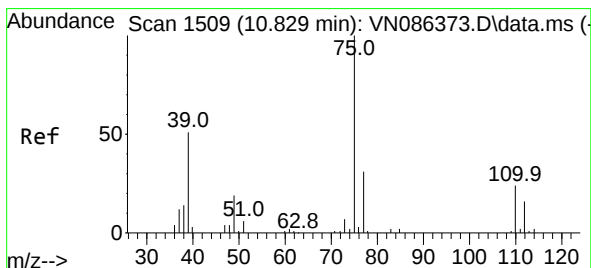
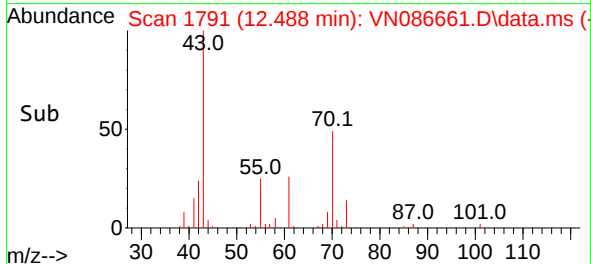
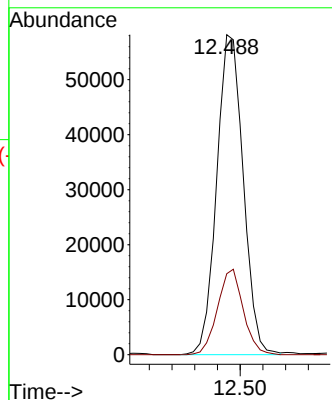
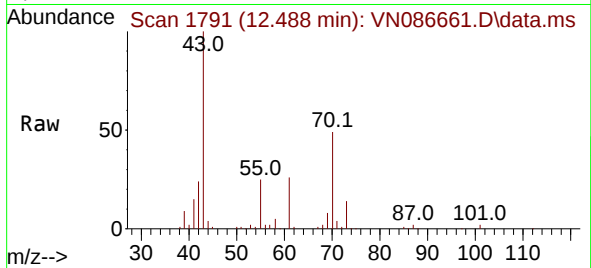
#47
n-amy1 Acetate
Concen: 19.598 ug/l
RT: 12.488 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 9432
Ion Ratio Lower Upper
43 100
55 25.9 19.4 29.0

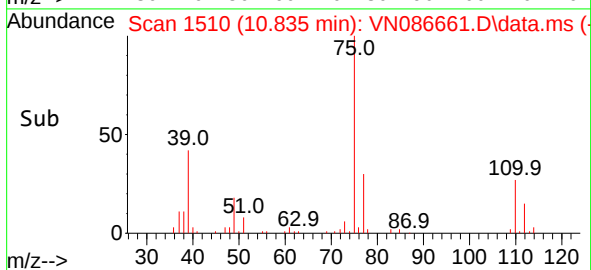
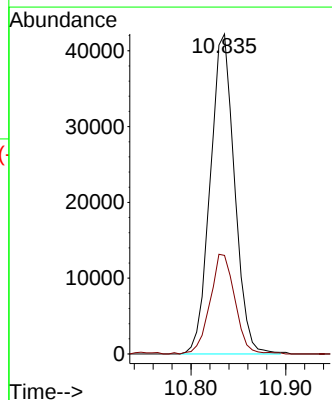
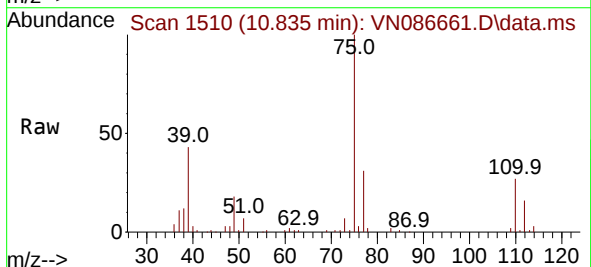
Manual Integrations
APPROVED

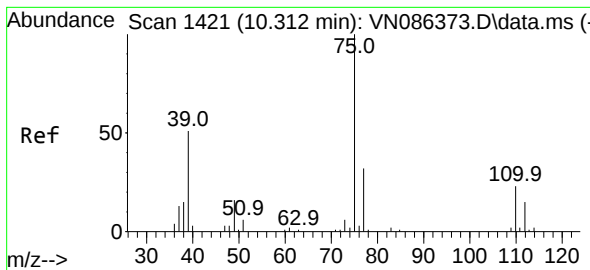
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#48
t-1,3-Dichloropropene
Concen: 19.523 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

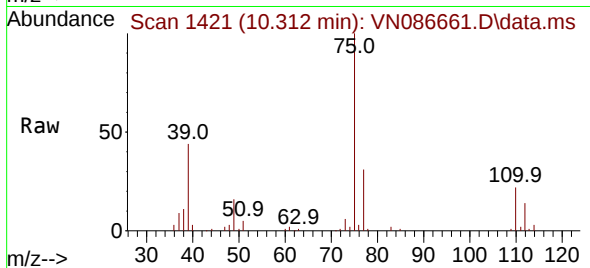
Tgt Ion: 75 Resp: 75178
Ion Ratio Lower Upper
75 100
77 30.8 24.4 36.6





#49
 cis-1,3-Dichloropropene
 Concen: 19.736 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.000 min
 Lab File: VN086661.D
 Acq: 16 May 2025 11:37

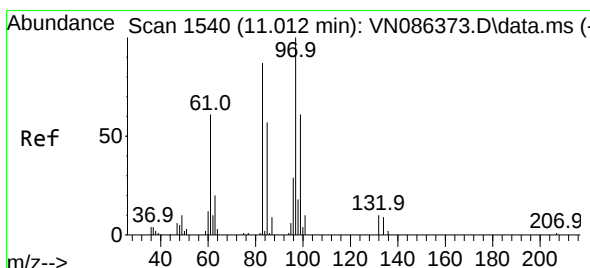
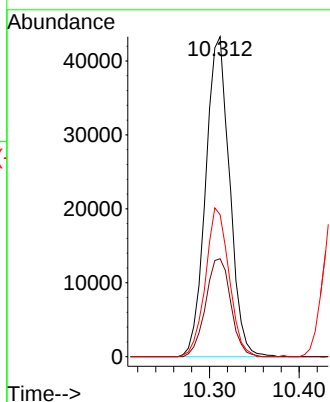
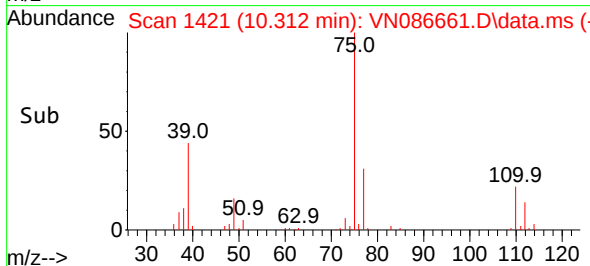
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 75 Resp: 8014
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.6 38.4
 39 44.4 40.6 60.8

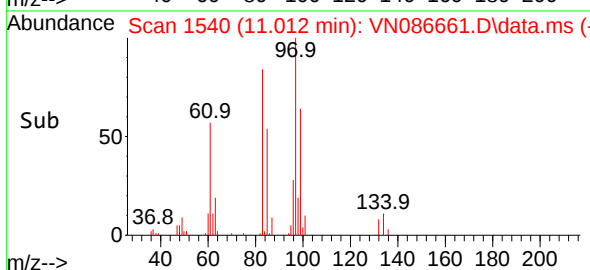
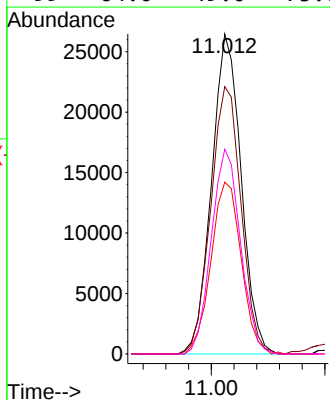
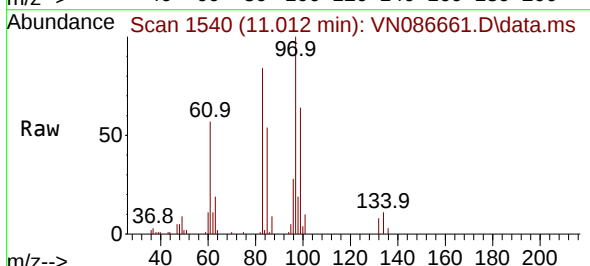
Manual Integrations
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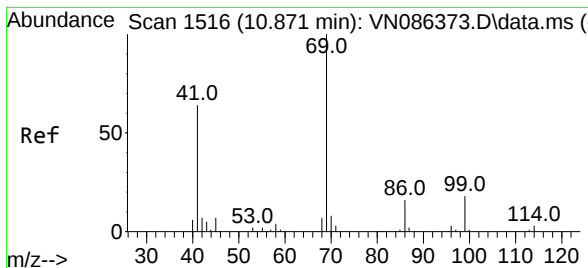
Reviewed By :John Carlone 05/19/2025
 Supervised By :Mahesh Dadoda 05/19/2025



#50
 1,1,2-Trichloroethane
 Concen: 21.002 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. 0.000 min
 Lab File: VN086661.D
 Acq: 16 May 2025 11:37

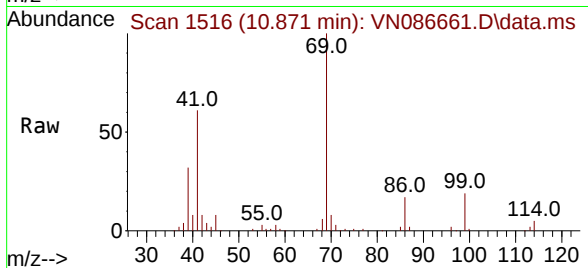
Tgt Ion: 97 Resp: 47746
 Ion Ratio Lower Upper
 97 100
 83 83.6 69.3 103.9
 85 53.6 45.5 68.3
 99 64.0 49.0 73.6





#51
Ethyl methacrylate
Concen: 19.745 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

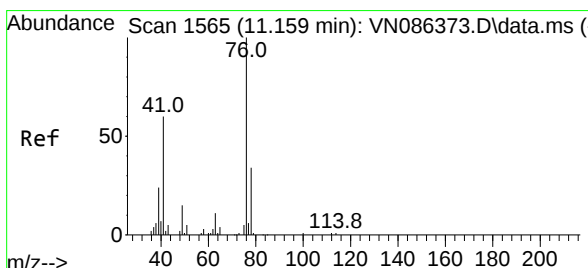
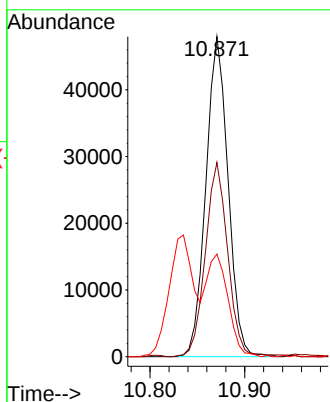
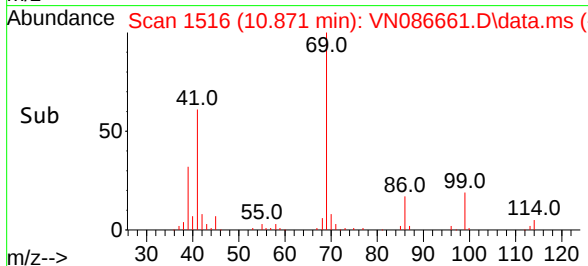
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 69 Resp: 78180
Ion Ratio Lower Upper
69 100
41 60.3 32.3 96.8
39 32.1 19.1 57.1

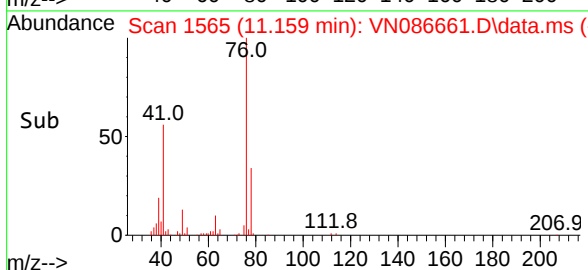
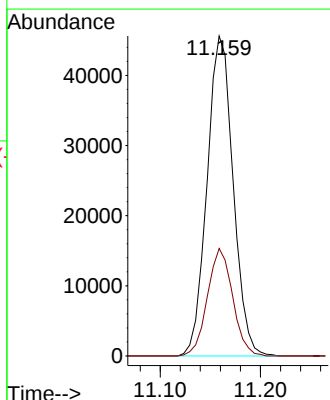
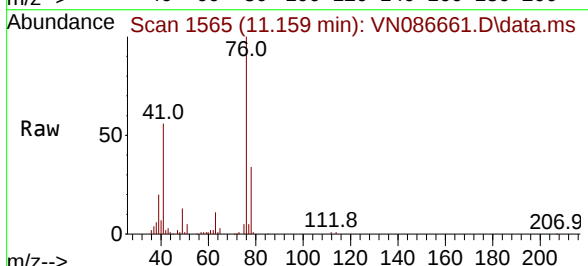
Manual Integrations
APPROVED

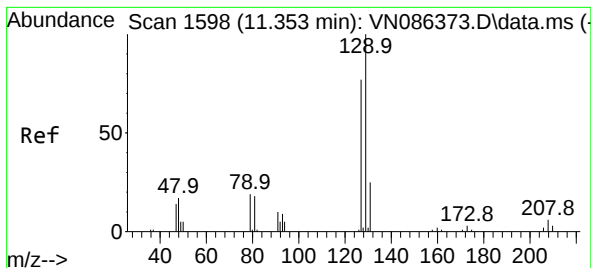
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#52
1,3-Dichloropropane
Concen: 20.547 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion: 76 Resp: 82559
Ion Ratio Lower Upper
76 100
78 32.5 0.0 65.6





#53

Dibromochloromethane

Concen: 20.220 ug/l

RT: 11.353 min Scan# 1598

Delta R.T. 0.000 min

Lab File: VN086661.D

Acq: 16 May 2025 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:129 Resp: 5161

Ion Ratio Lower Upper

129 100

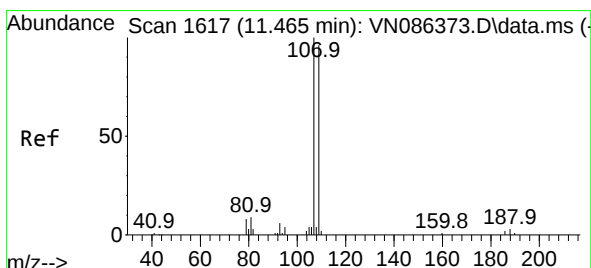
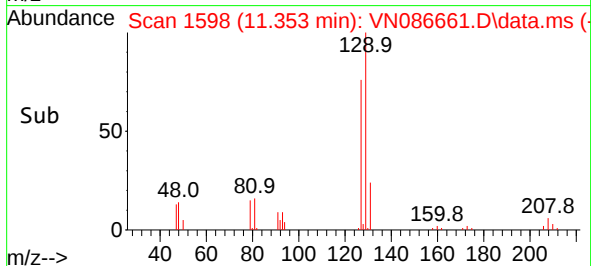
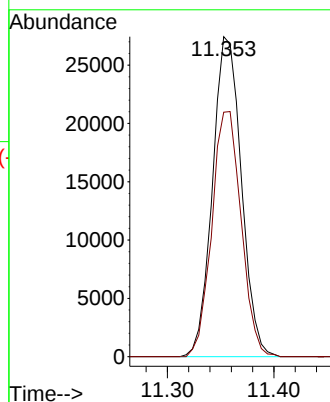
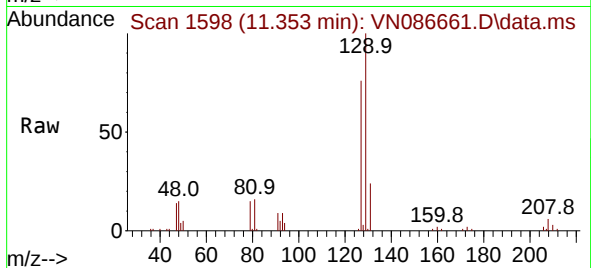
127 77.6 38.8 116.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#54

1,2-Dibromoethane

Concen: 20.760 ug/l

RT: 11.465 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VN086661.D

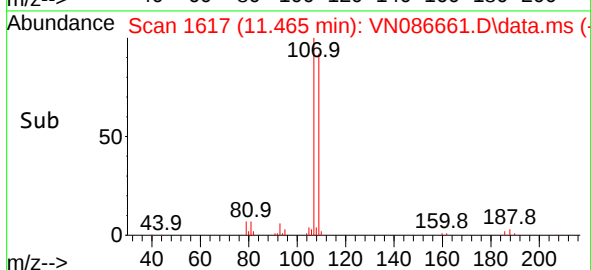
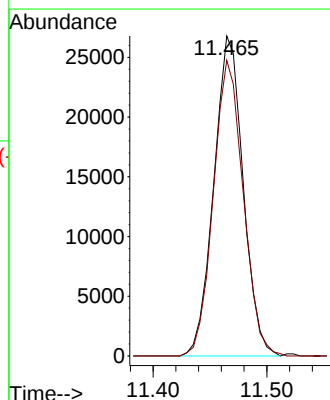
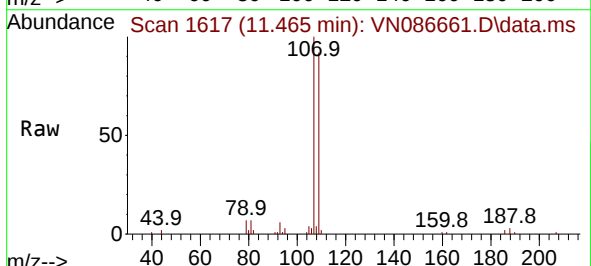
Acq: 16 May 2025 11:37

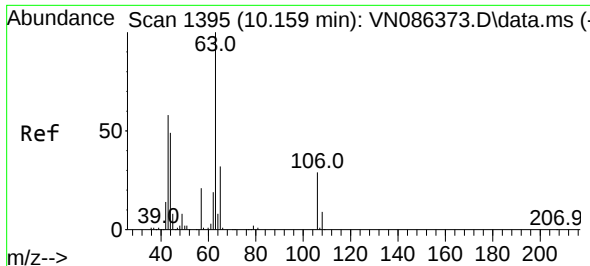
Tgt Ion:107 Resp: 47987

Ion Ratio Lower Upper

107 100

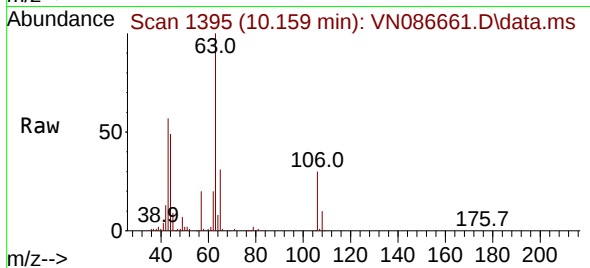
109 94.1 75.4 113.0





#55
2-Chloroethyl vinyl ether
Concen: 89.701 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

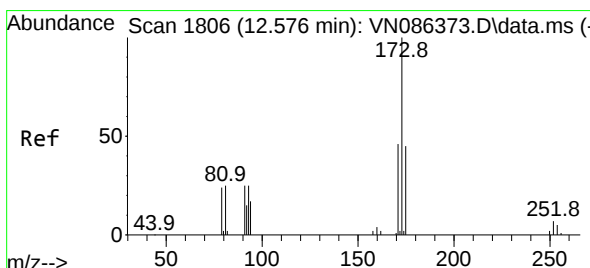
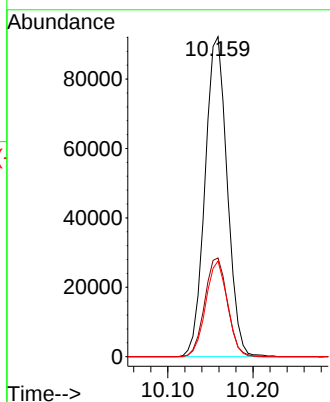
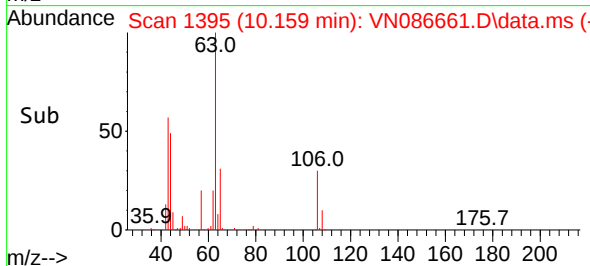
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 16698
Ion Ratio Lower Upper
63 100
65 31.5 25.7 38.5
106 29.2 22.3 33.5

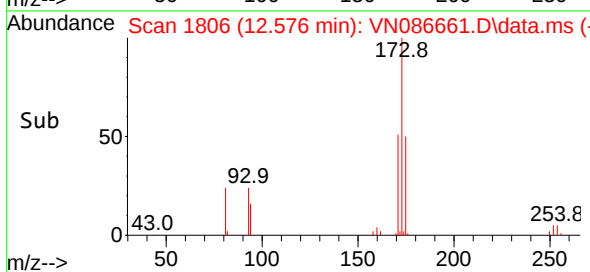
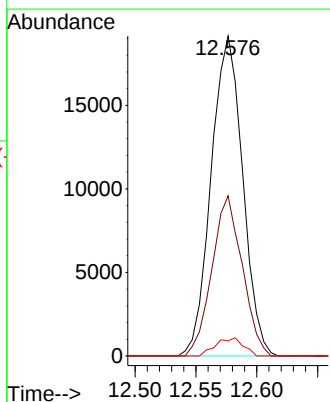
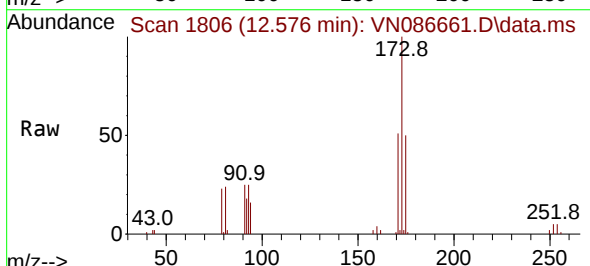
Manual Integrations
APPROVED

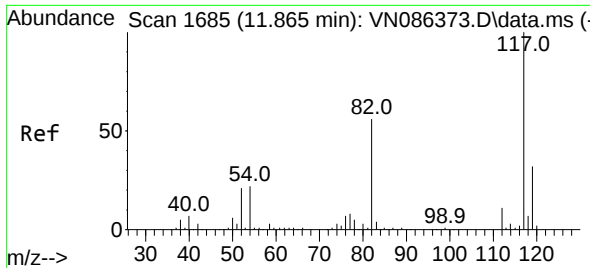
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#56
Bromoform
Concen: 20.825 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion:173 Resp: 34499
Ion Ratio Lower Upper
173 100
175 48.1 39.0 58.6
254 4.9 3.8 5.6





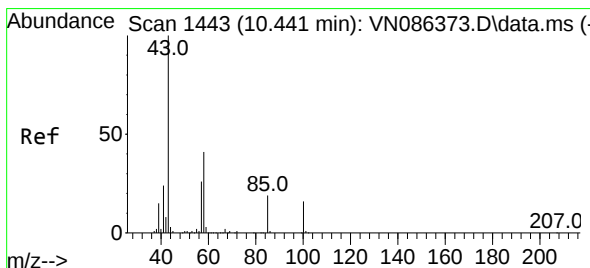
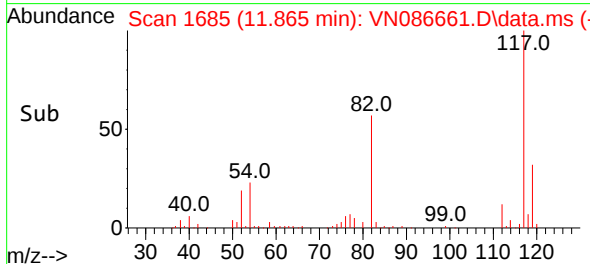
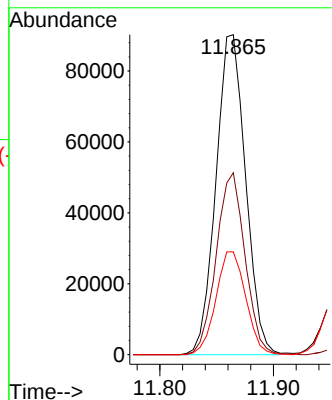
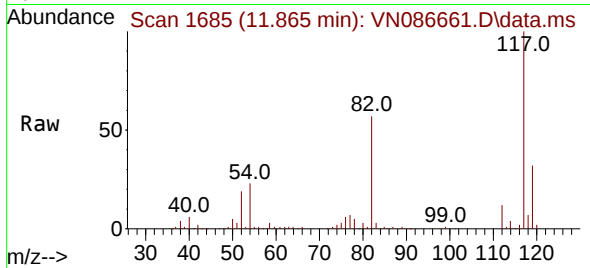
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:117 Resp: 163950
Ion Ratio Lower Upper
117 100
82 55.2 45.5 68.3
119 32.3 25.9 38.9

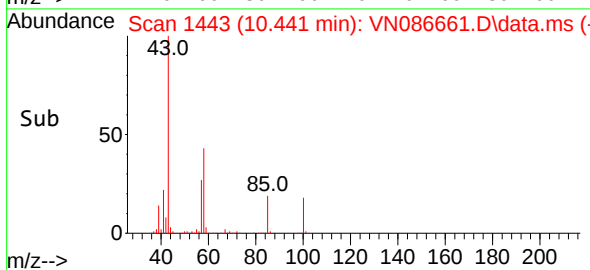
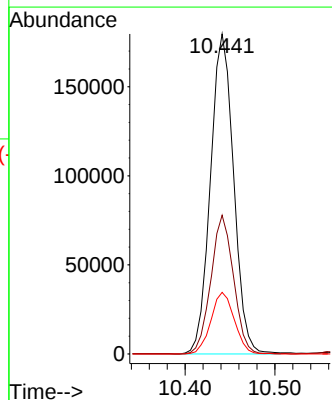
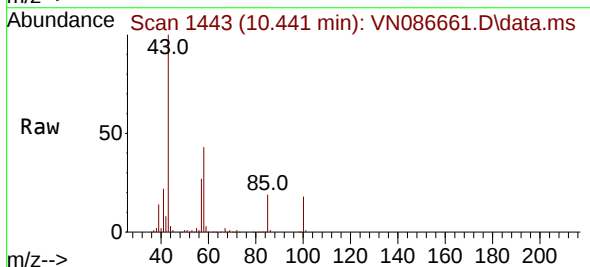
Manual Integrations
APPROVED

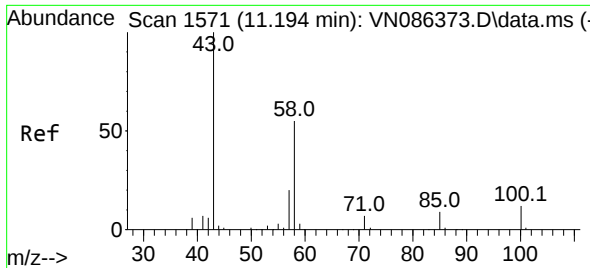
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#58
4-Methyl-2-Pentanone
Concen: 101.759 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

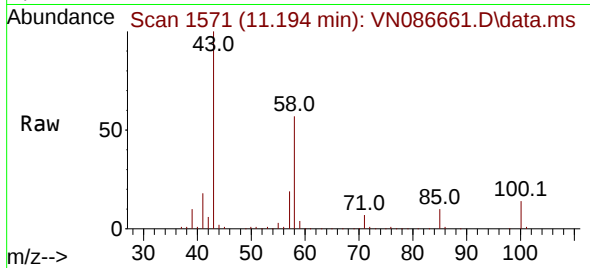
Tgt Ion: 43 Resp: 322848
Ion Ratio Lower Upper
43 100
58 42.2 33.0 49.6
85 19.4 14.9 22.3





#59
2-Hexanone
Concen: 102.478 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

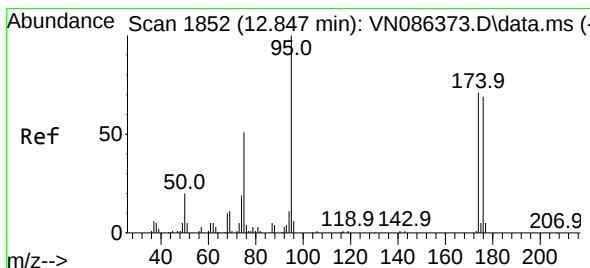
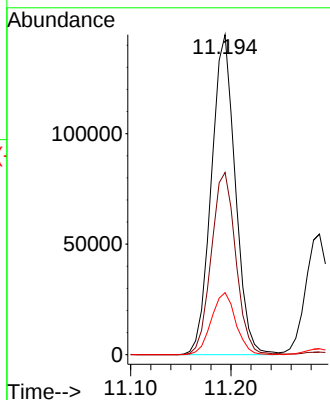
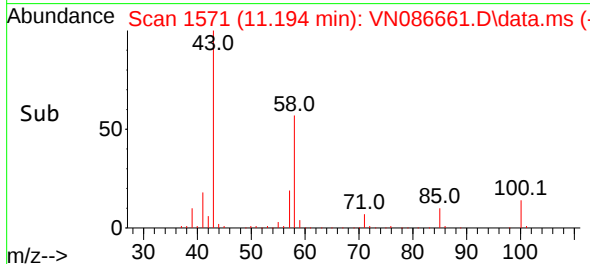
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



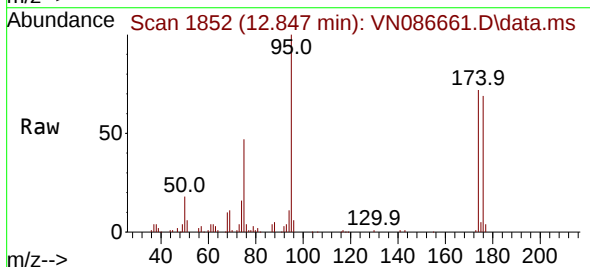
Tgt Ion: 43 Resp: 239597
Ion Ratio Lower Upper
43 100
58 58.4 45.0 67.6
57 19.8 15.5 23.3

Manual Integrations
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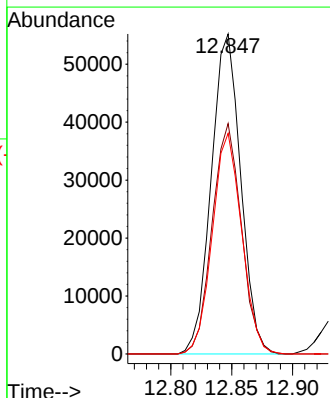
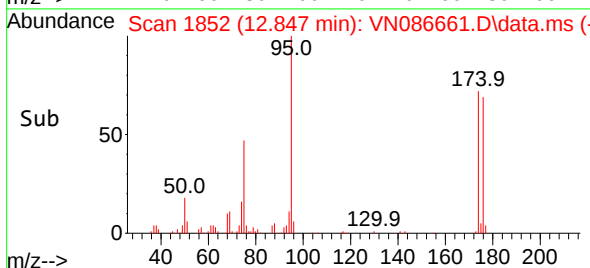
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

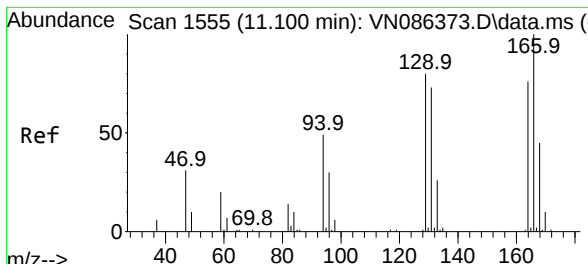


#60
4-Bromofluorobenzene
Concen: 28.851 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37



Tgt Ion: 95 Resp: 92966
Ion Ratio Lower Upper
95 100
174 71.2 56.6 84.8
176 68.7 53.3 79.9





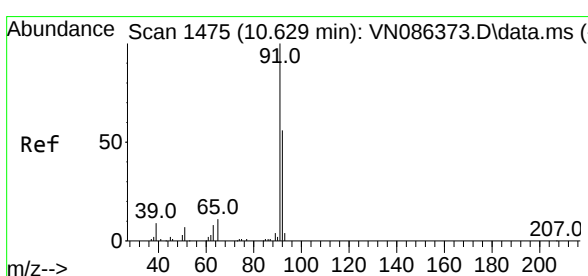
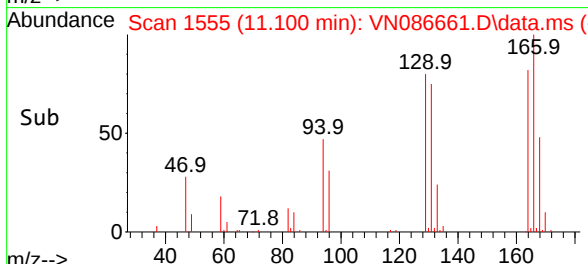
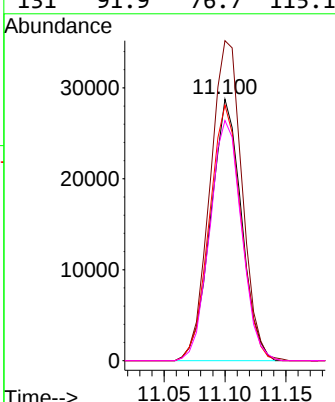
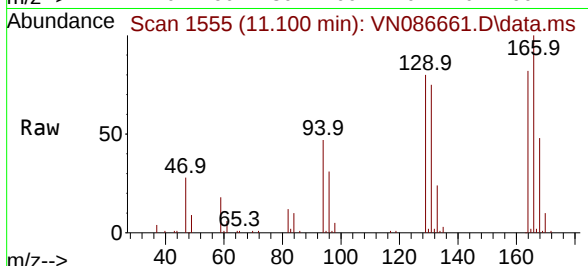
#61
 Tetrachloroethene
 Concen: 20.219 ug/l
 RT: 11.100 min Scan# 1555
 Delta R.T. 0.000 min
 Lab File: VN086661.D
 Acq: 16 May 2025 11:37

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC020

Tgt Ion:164 Resp: 5055

Ion	Ratio	Lower	Upper
164	100		
166	122.4	105.0	157.4
129	97.7	83.9	125.9
131	91.9	76.7	115.1

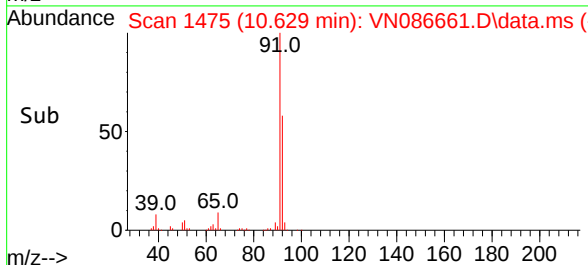
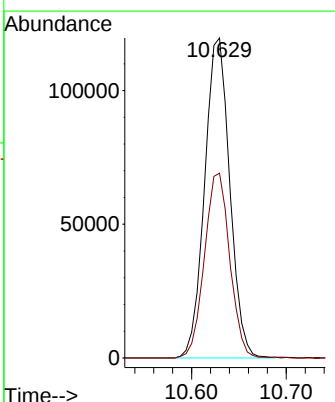
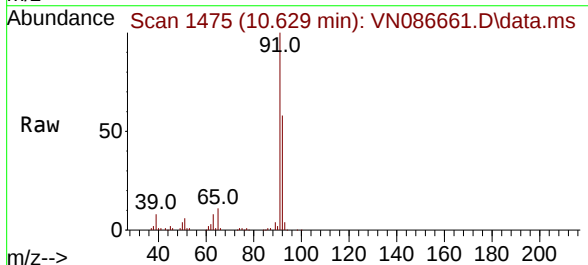
Manual Integrations
APPROVED
 Reviewed By :John Carlone 05/19/2025
 Supervised By :Mahesh Dadoda 05/19/2025

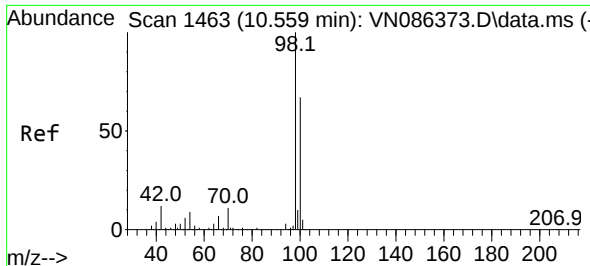


#62
 Toluene
 Concen: 20.102 ug/l
 RT: 10.629 min Scan# 1475
 Delta R.T. 0.000 min
 Lab File: VN086661.D
 Acq: 16 May 2025 11:37

Tgt Ion: 91 Resp: 220605

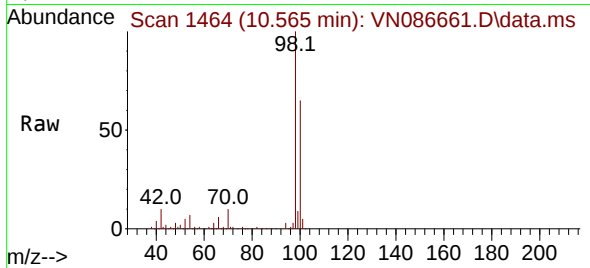
Ion	Ratio	Lower	Upper
91	100		
92	58.0	45.7	68.5





#63
Toluene-d8
Concen: 29.586 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

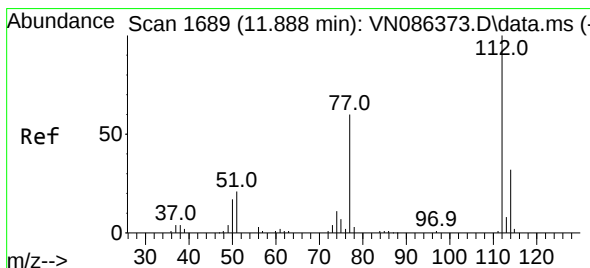
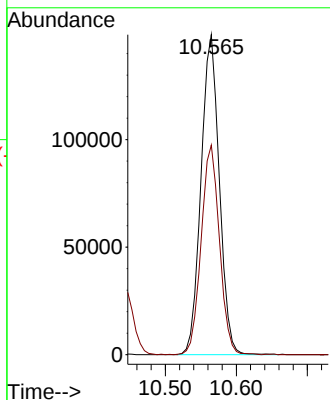
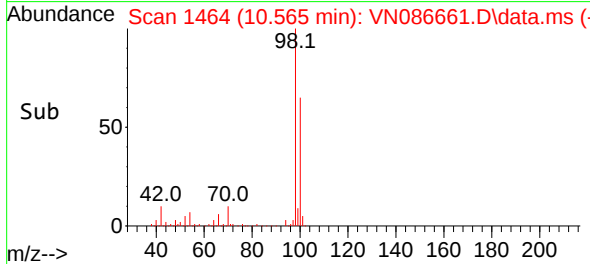
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 98 Resp: 266858
Ion Ratio Lower Upper
98 100
100 65.4 53.1 79.7

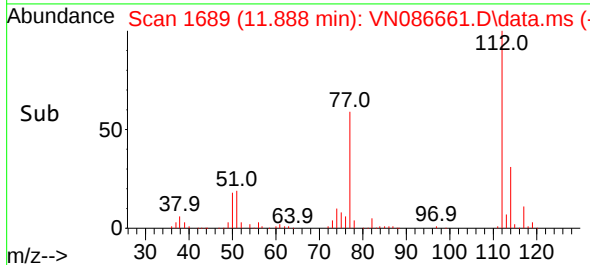
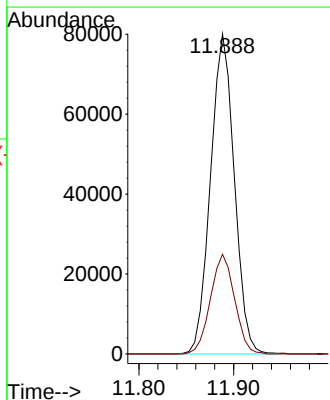
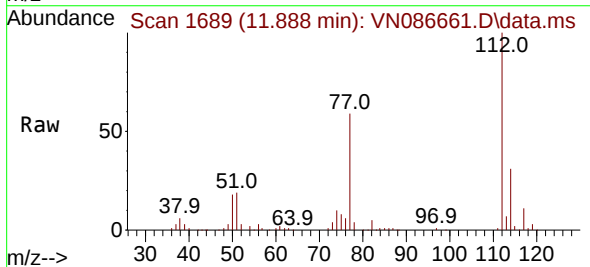
Manual Integrations
APPROVED

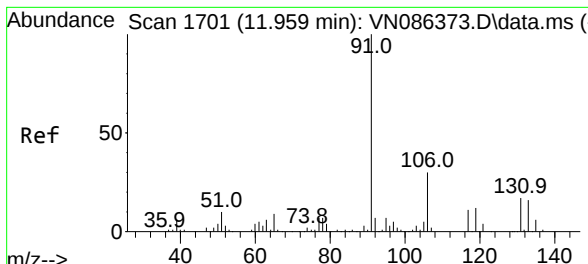
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#64
Chlorobenzene
Concen: 20.461 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

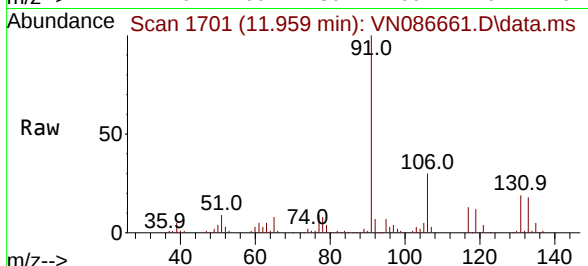
Tgt Ion:112 Resp: 139913
Ion Ratio Lower Upper
112 100
114 31.2 25.6 38.4





#65
1,1,1,2-Tetrachloroethane
Concen: 20.721 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

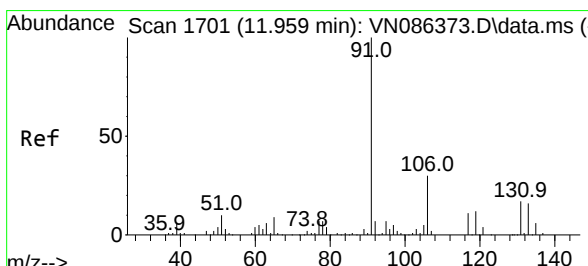
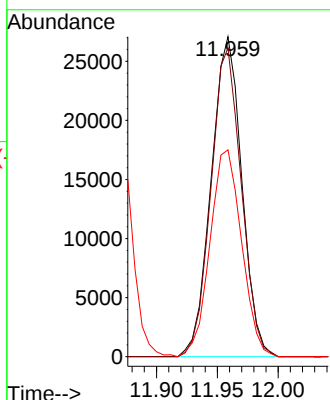
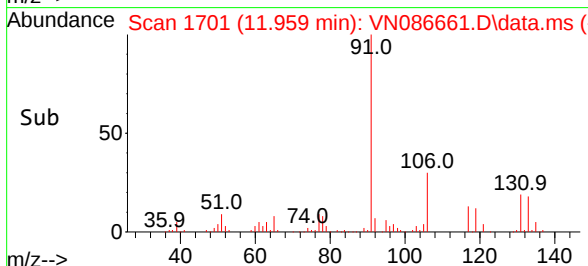
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



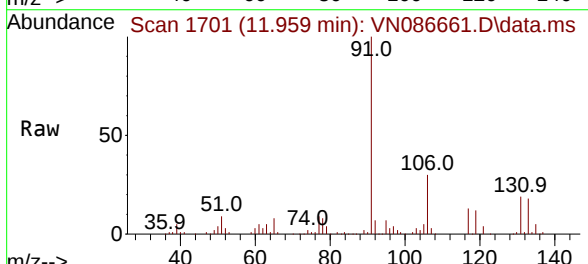
Tgt Ion:131 Resp: 47370
Ion Ratio Lower Upper
131 100
133 95.6 0.0 191.4
119 66.9 0.0 133.6

Manual Integrations
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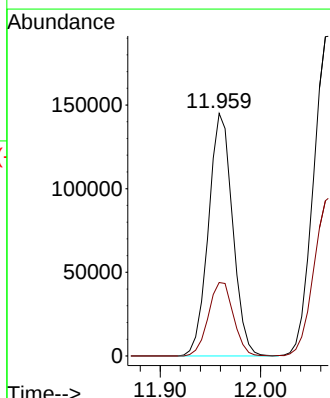
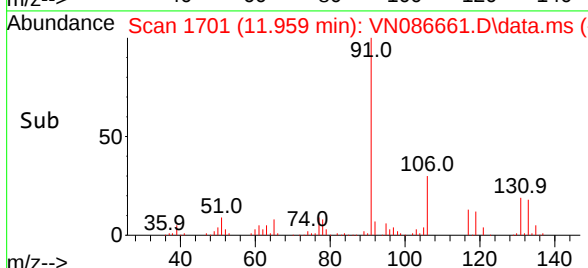
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

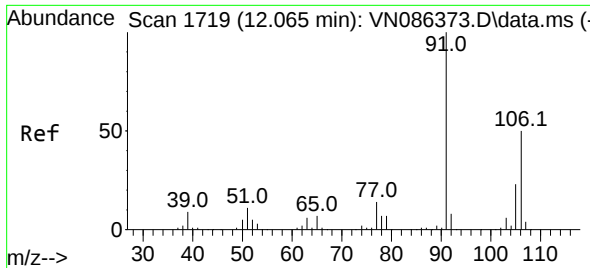


#66
Ethyl Benzene
Concen: 19.656 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37



Tgt Ion: 91 Resp: 242809
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5





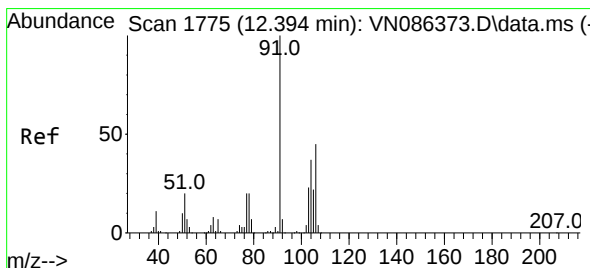
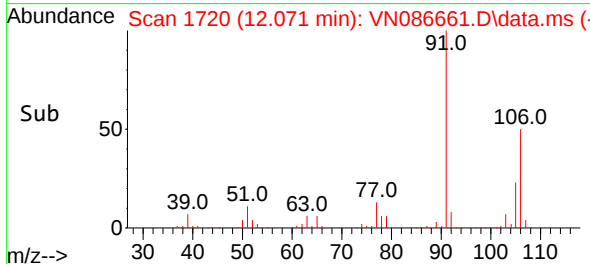
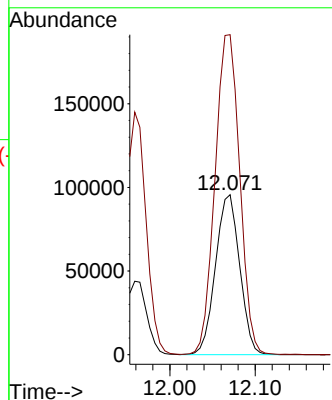
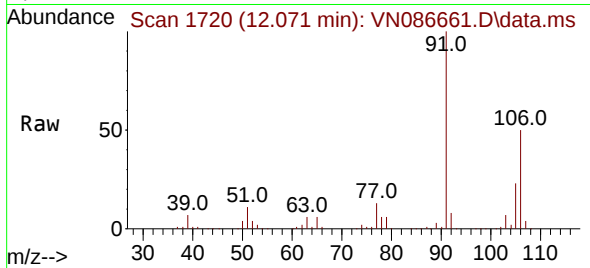
#67
m/p-Xylenes
Concen: 40.274 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 18876
Ion Ratio Lower Upper
106 100
91 204.7 162.6 243.8

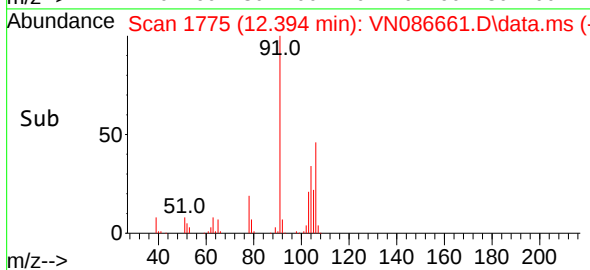
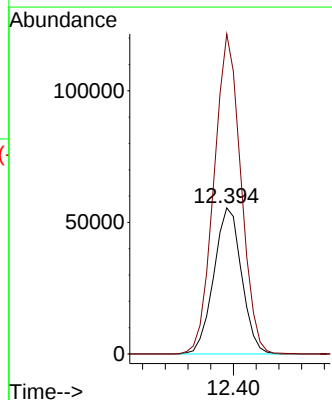
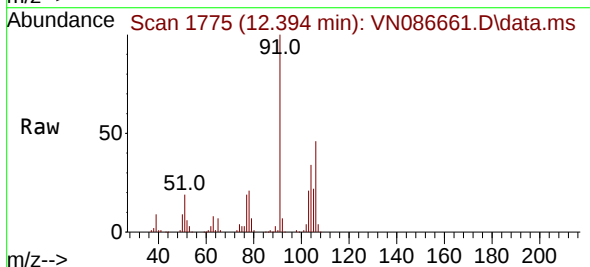
Manual Integrations
APPROVED

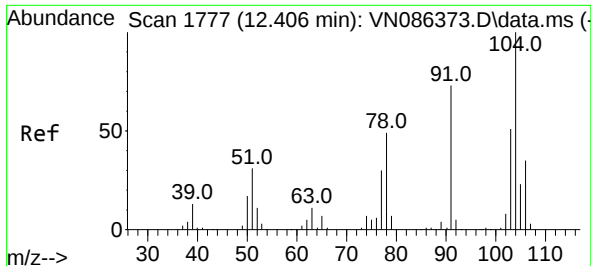
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#68
o-Xylene
Concen: 20.518 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion:106 Resp: 94158
Ion Ratio Lower Upper
106 100
91 213.0 110.6 331.6





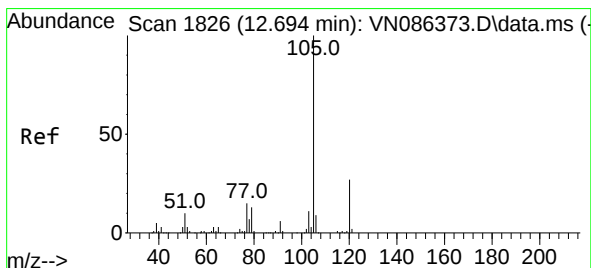
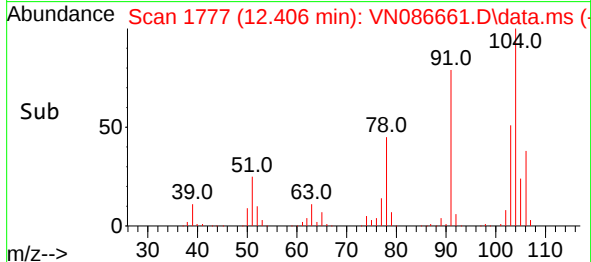
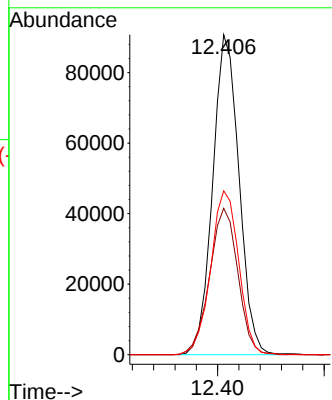
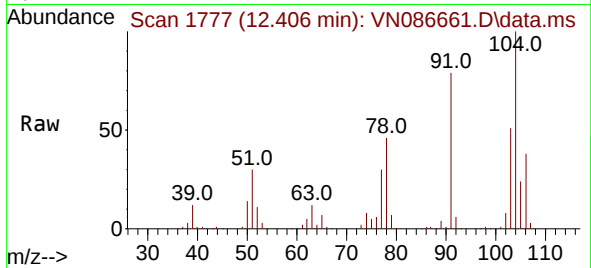
#69
Styrene
Concen: 19.967 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:104 Resp: 15531
Ion Ratio Lower Upper
104 100
78 49.2 40.2 60.4
103 54.6 43.8 65.8

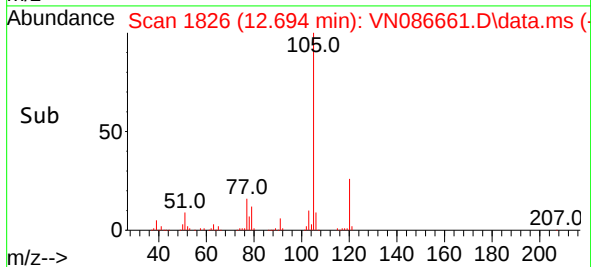
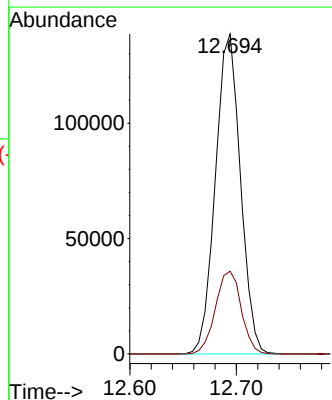
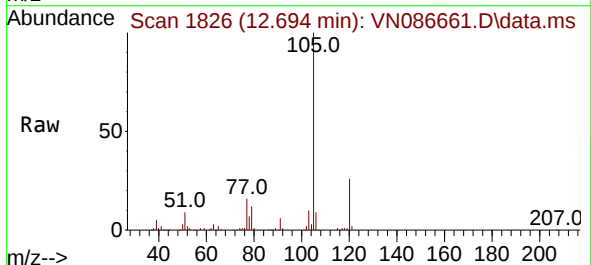
Manual Integrations
APPROVED

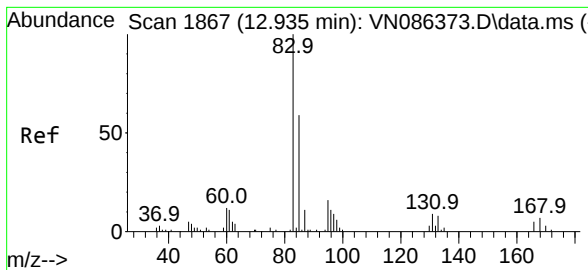
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#70
Isopropylbenzene
Concen: 19.753 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

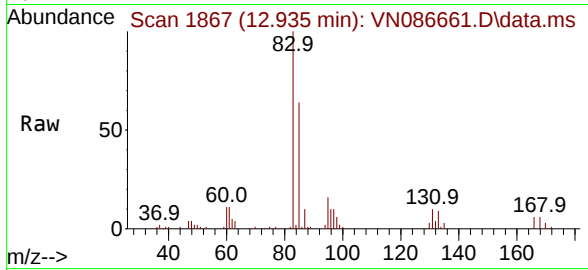
Tgt Ion:105 Resp: 226286
Ion Ratio Lower Upper
105 100
120 26.6 18.2 33.8





#71
1,1,2,2-Tetrachloroethane
Concen: 22.793 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

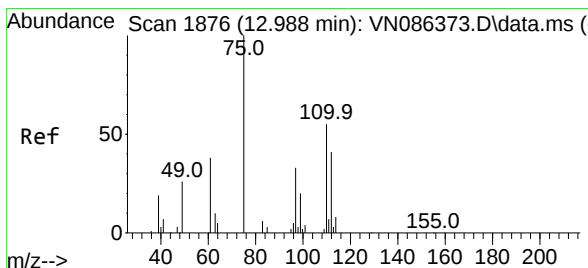
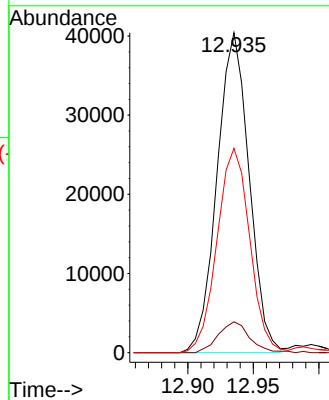
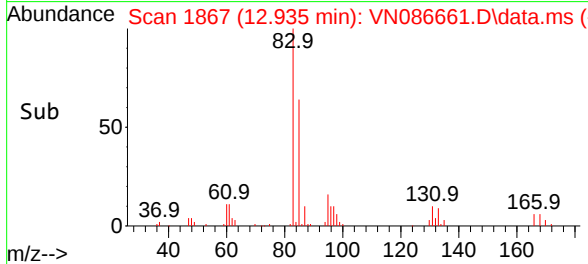
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 83 Resp: 68752
Ion Ratio Lower Upper
83 100
131 9.4 4.5 13.7
85 65.1 31.7 95.1

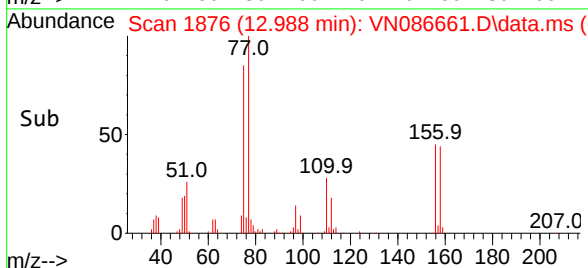
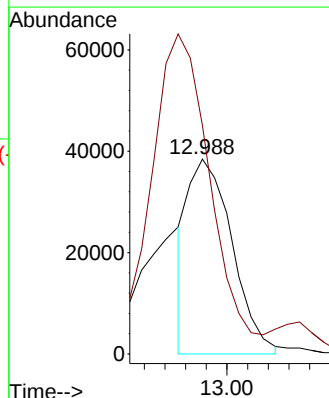
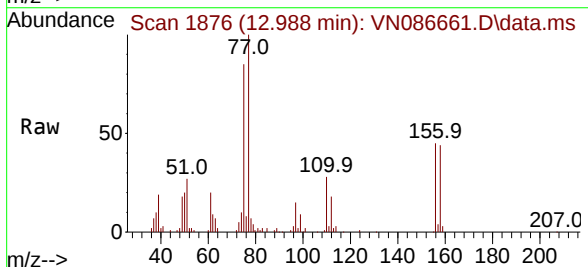
Manual Integrations
APPROVED

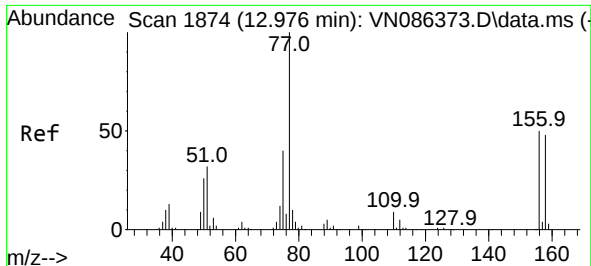
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#72
1,2,3-Trichloropropane
Concen: 21.707 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion: 75 Resp: 57084
Ion Ratio Lower Upper
75 100
77 221.1 0.0 464.4





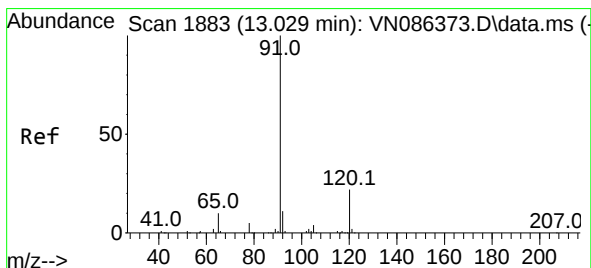
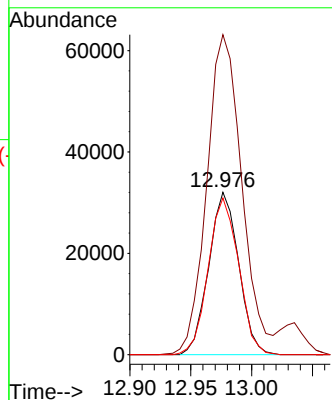
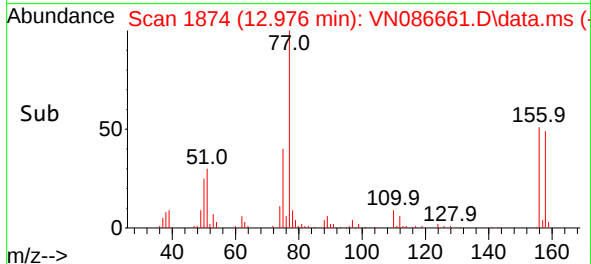
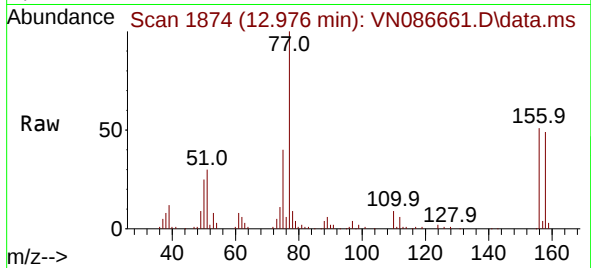
#73
Bromobenzene
Concen: 20.786 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:156 Resp: 5474
Ion Ratio Lower Upper
156 100
77 230.5 0.0 463.4
158 98.0 0.0 191.8

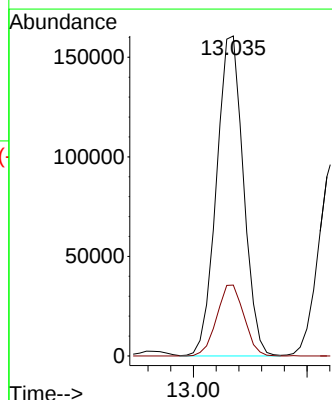
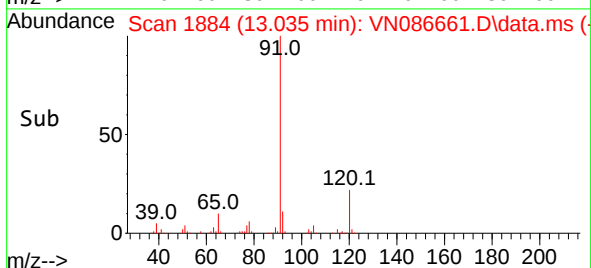
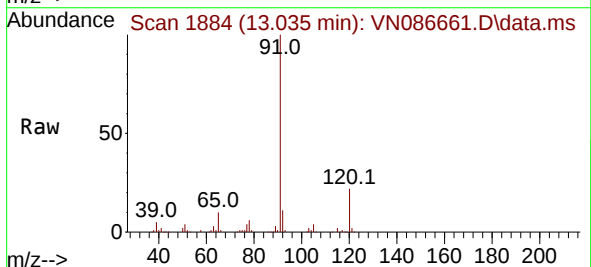
Manual Integrations
APPROVED

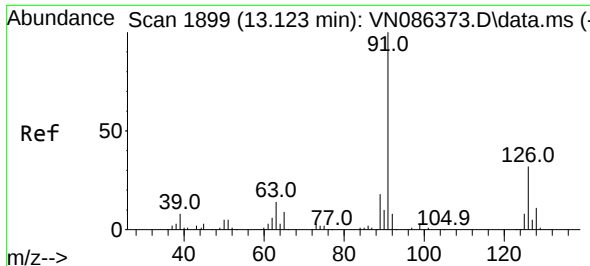
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#74
n-propylbenzene
Concen: 19.482 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion: 91 Resp: 265200
Ion Ratio Lower Upper
91 100
120 22.3 0.0 43.8





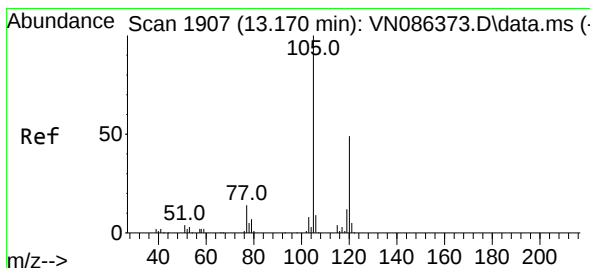
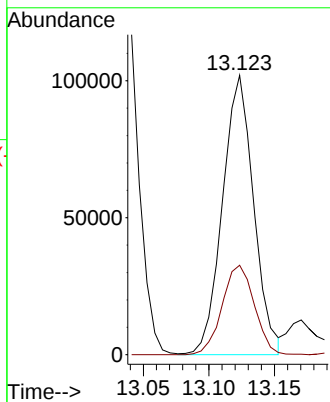
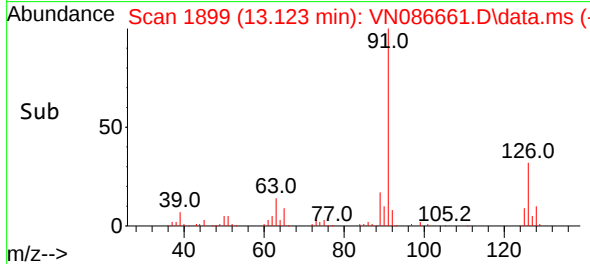
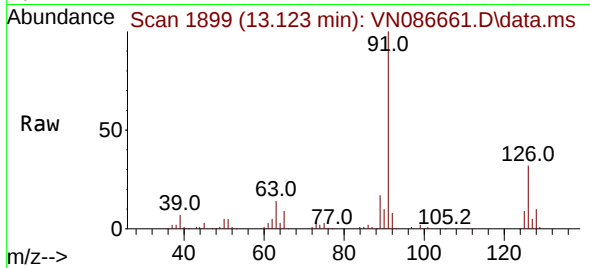
#75
2-Chlorotoluene
Concen: 19.881 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 16894
Ion Ratio Lower Upper
91 100
126 33.0 0.0 65.0

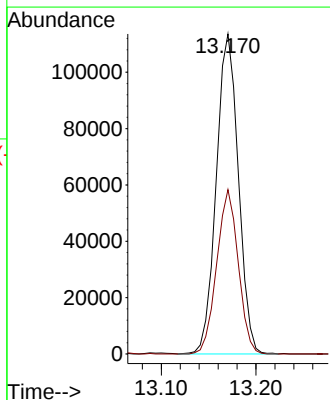
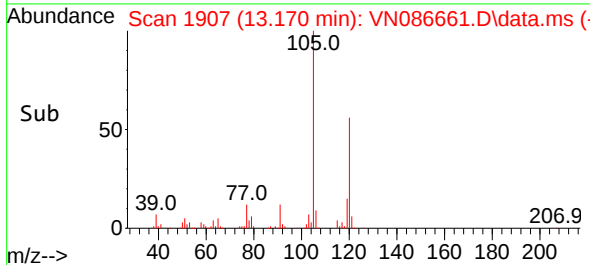
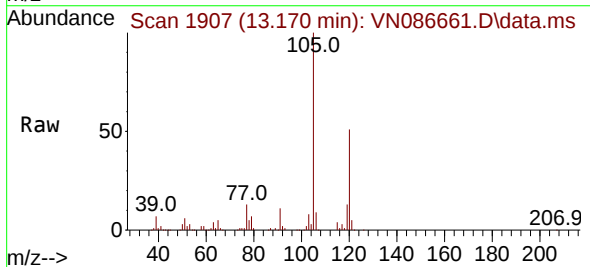
Manual Integrations
APPROVED

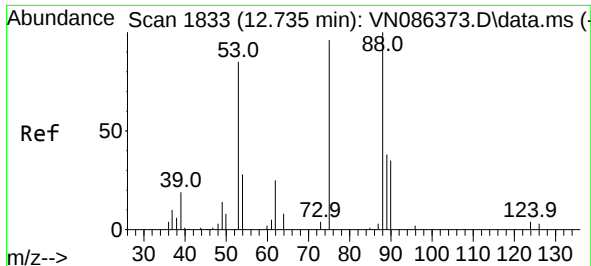
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#76
1,3,5-Trimethylbenzene
Concen: 19.608 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion:105 Resp: 184307
Ion Ratio Lower Upper
105 100
120 49.9 0.0 97.6





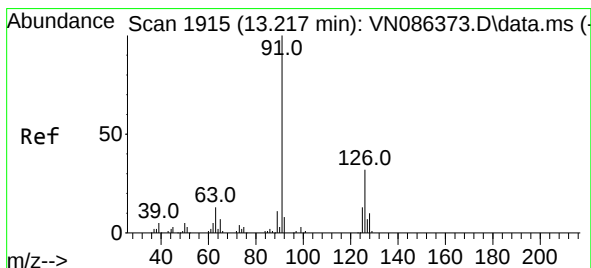
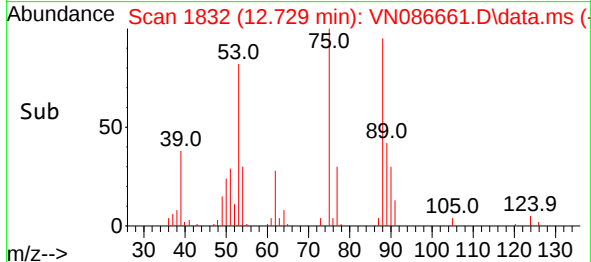
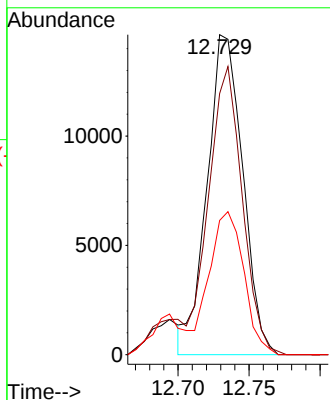
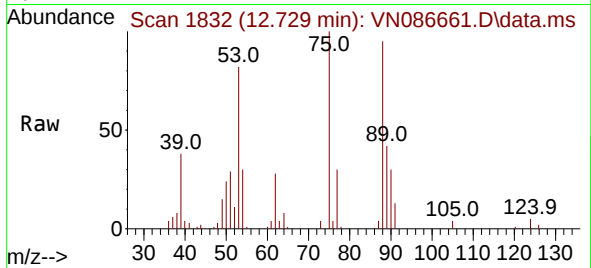
#77
t-1,4-Dichloro-2-butene
Concen: 19.139 ug/l
RT: 12.729 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 75 Resp: 2554
Ion Ratio Lower Upper
75 100
53 80.6 46.0 138.0
89 42.0 21.6 64.6

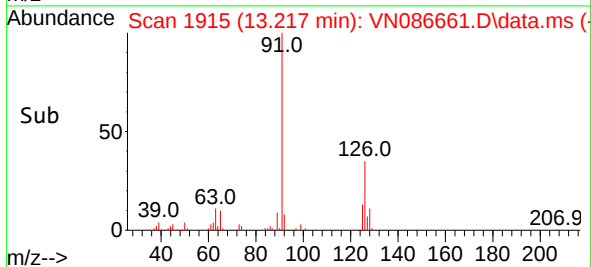
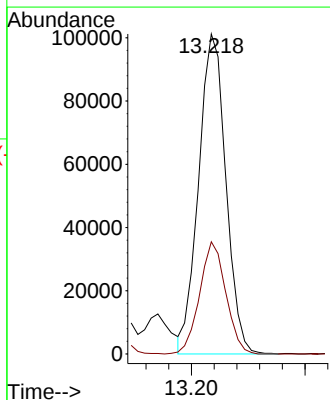
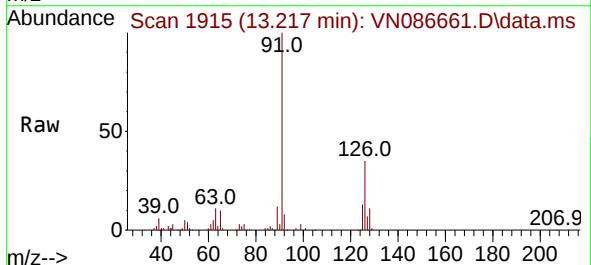
Manual Integrations
APPROVED

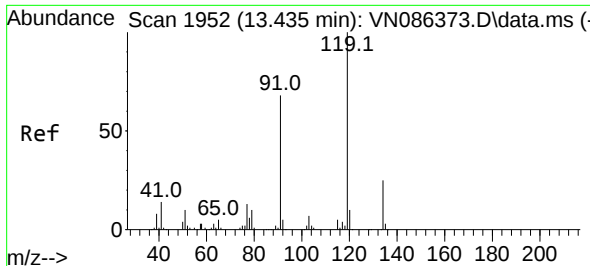
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#78
4-Chlorotoluene
Concen: 19.834 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion: 91 Resp: 168526
Ion Ratio Lower Upper
91 100
126 33.7 0.0 65.4





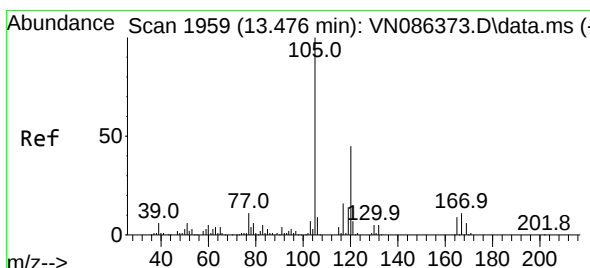
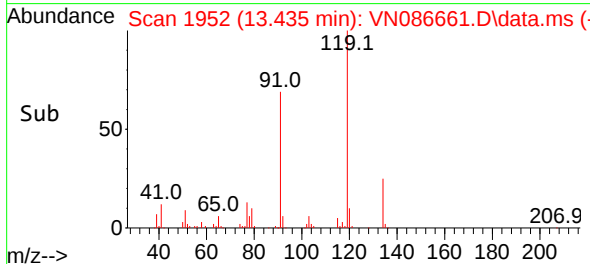
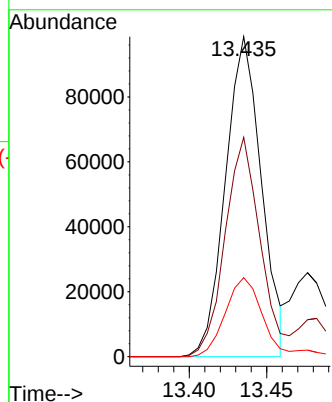
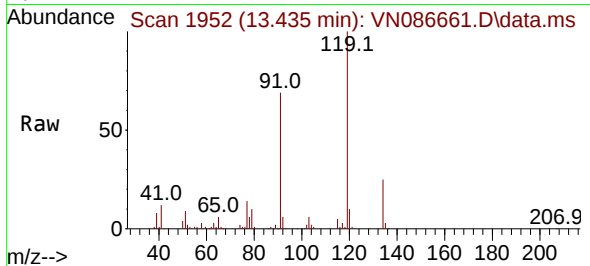
#79
tert-butylbenzene
Concen: 19.760 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 15906
Ion Ratio Lower Upper
119 100
91 67.4 0.0 137.4
134 25.0 0.0 49.2

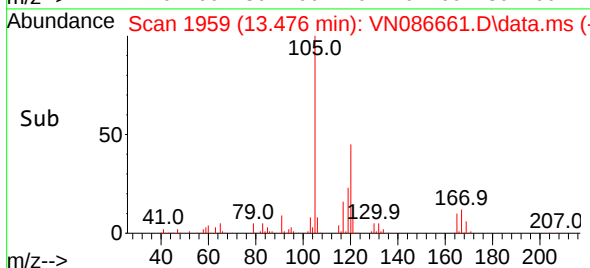
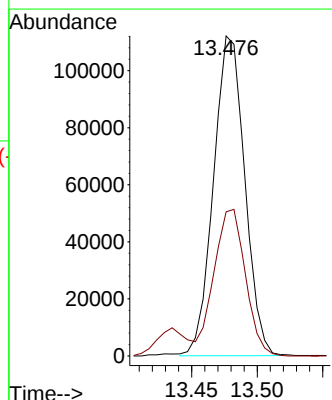
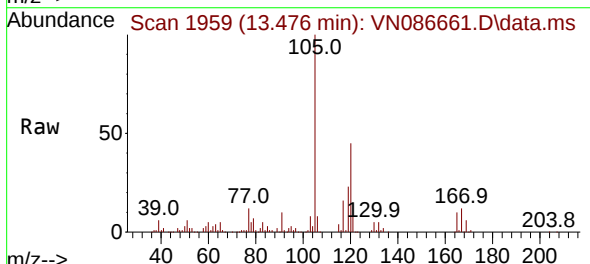
Manual Integrations
APPROVED

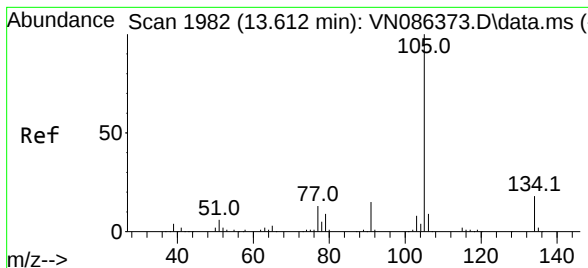
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#80
1,2,4-Trimethylbenzene
Concen: 19.345 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

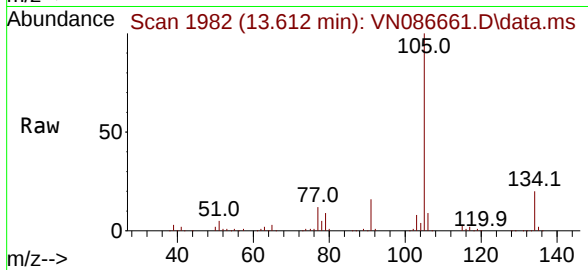
Tgt Ion:105 Resp: 185703
Ion Ratio Lower Upper
105 100
120 46.0 0.0 87.6





#81
 sec-Butylbenzene
 Concen: 19.465 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086661.D
 Acq: 16 May 2025 11:37

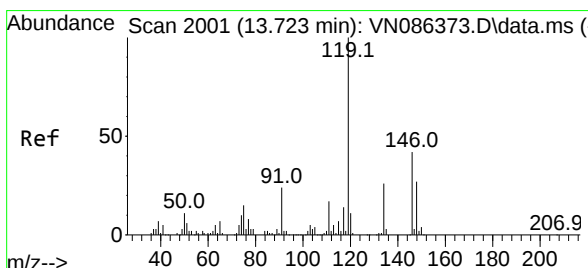
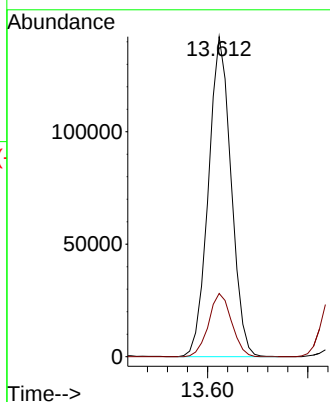
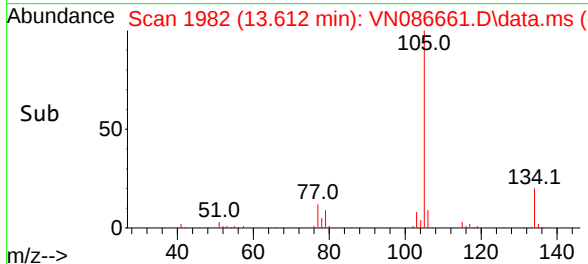
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



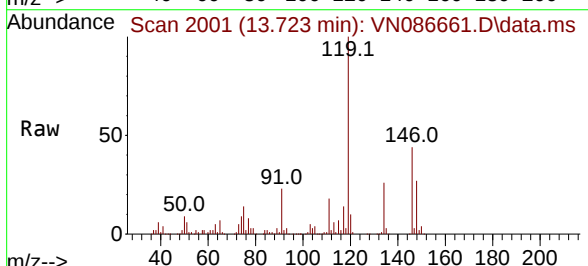
Tgt Ion:105 Resp: 223670
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 38.4

Manual Integrations
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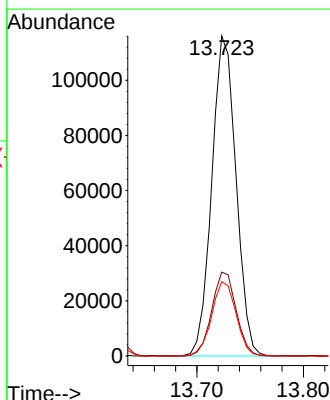
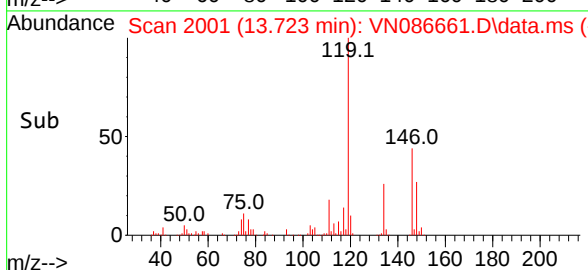
Reviewed By :John Carlone 05/19/2025
 Supervised By :Mahesh Dadoda 05/19/2025

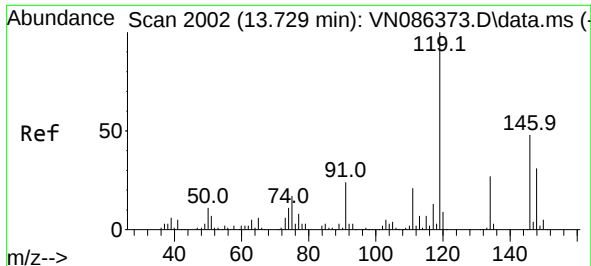


#82
 p-Isopropyltoluene
 Concen: 19.053 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN086661.D
 Acq: 16 May 2025 11:37



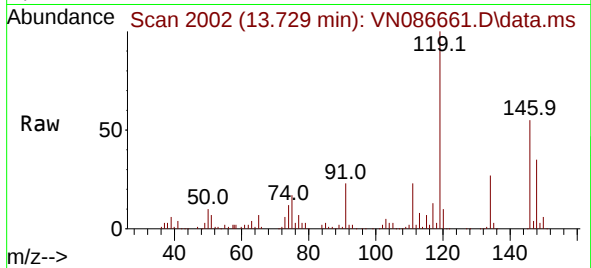
Tgt Ion:119 Resp: 183201
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 52.2
 91 23.5 0.0 47.6





#83
1,3-Dichlorobenzene
Concen: 20.219 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

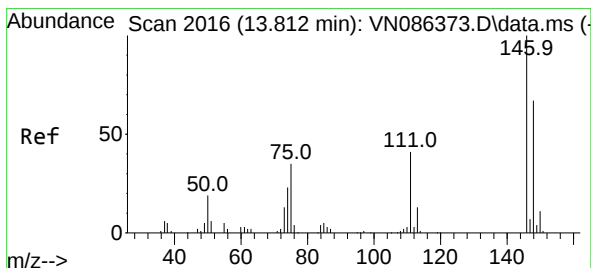
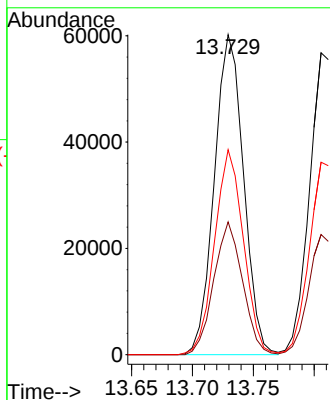
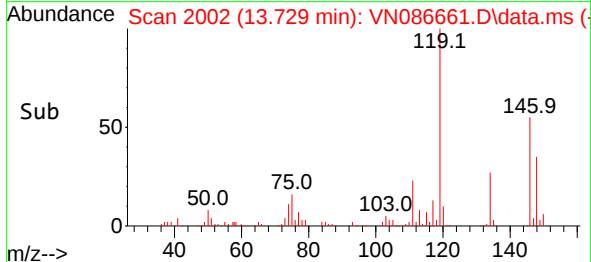
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:146 Resp: 10066
Ion Ratio Lower Upper
146 100
111 40.8 20.7 62.1
148 63.4 32.3 96.8

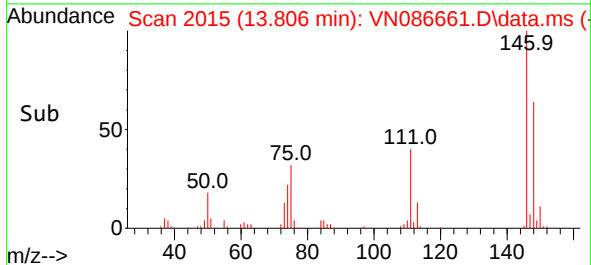
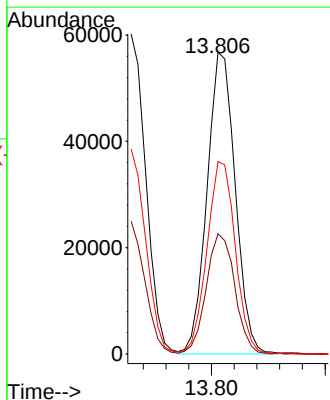
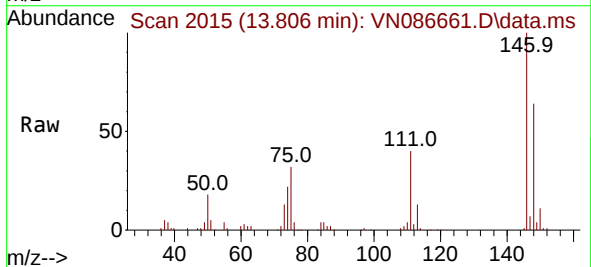
Manual Integrations
APPROVED

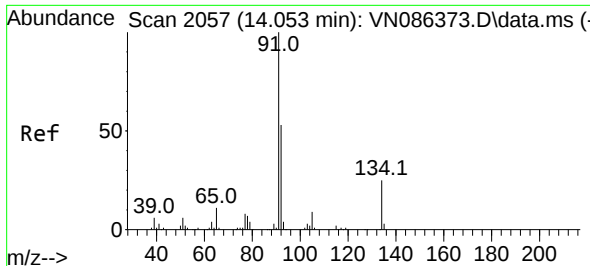
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#84
1,4-Dichlorobenzene
Concen: 19.904 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion:146 Resp: 97903
Ion Ratio Lower Upper
146 100
111 40.3 20.3 60.8
148 64.2 32.4 97.2





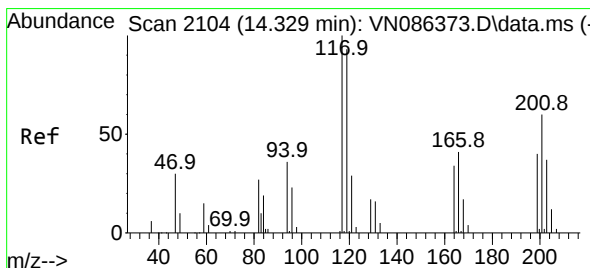
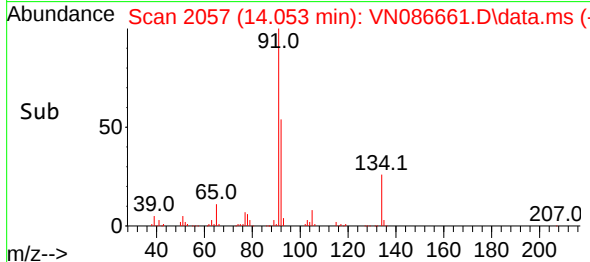
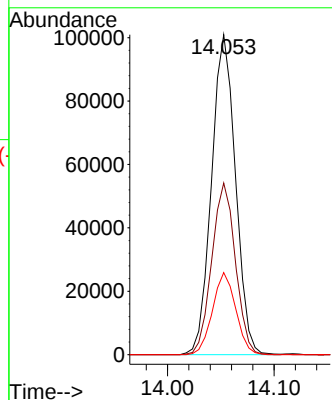
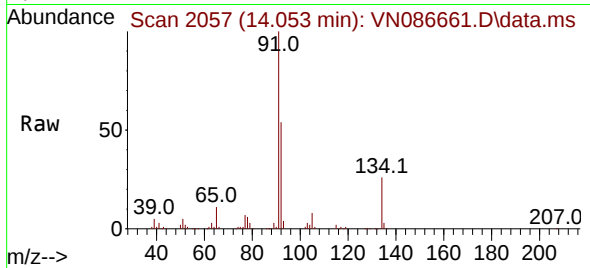
#85
n-Butylbenzene
Concen: 18.362 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 157538
Ion Ratio Lower Upper
91 100
92 52.9 0.0 107.2
134 24.9 0.0 48.2

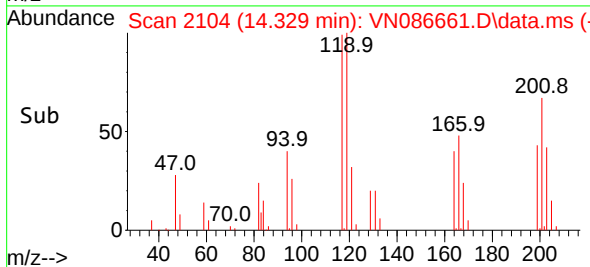
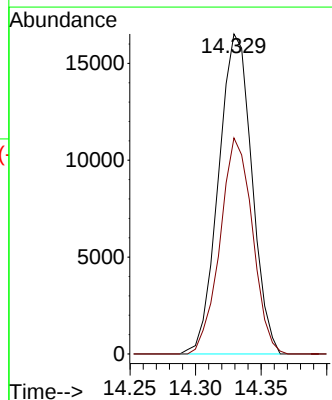
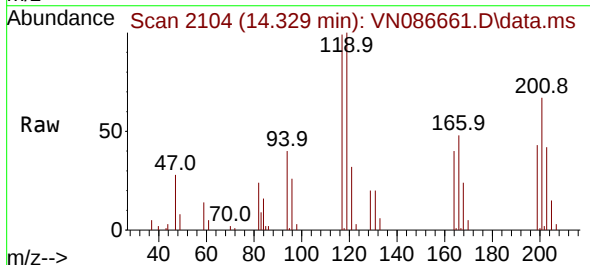
Manual Integrations
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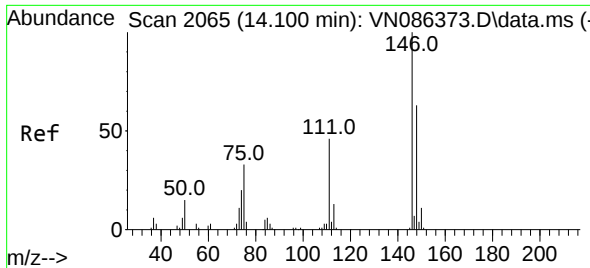
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#86
Hexachloroethane
Concen: 18.564 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion:117 Resp: 29188
Ion Ratio Lower Upper
117 100
201 65.5 31.7 95.1





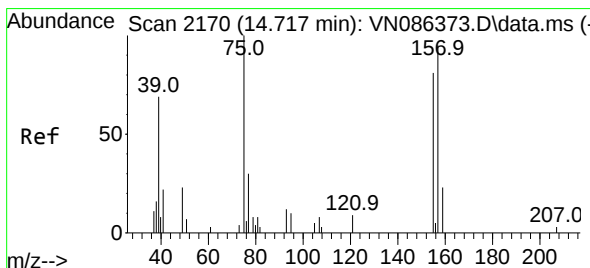
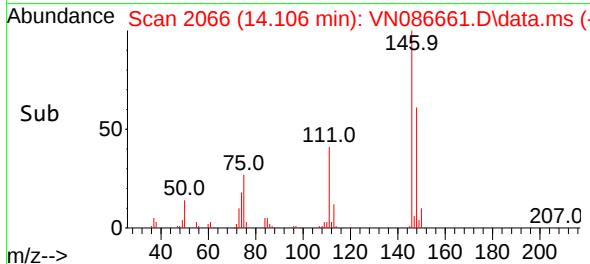
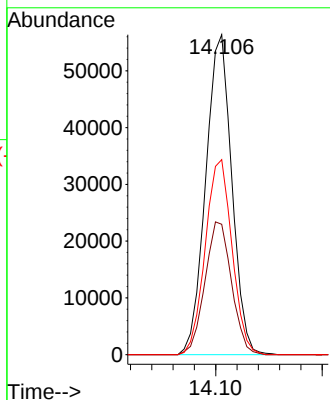
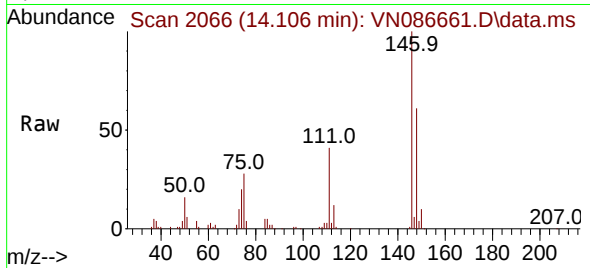
#87
1,2-Dichlorobenzene
Concen: 20.273 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:146 Resp: 9603
Ion Ratio Lower Upper
146 100
111 42.3 22.1 66.3
148 62.5 32.0 96.0

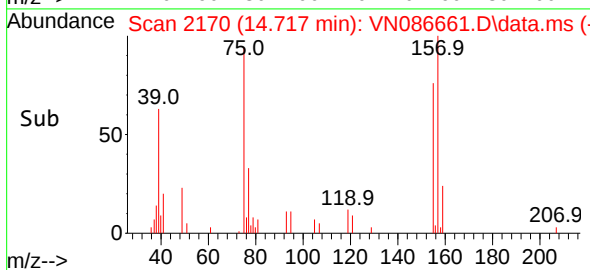
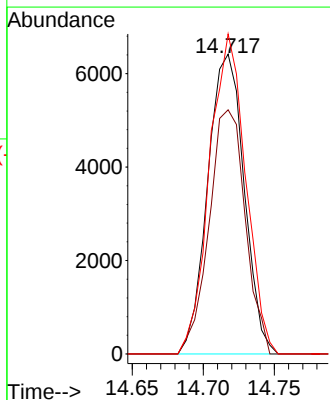
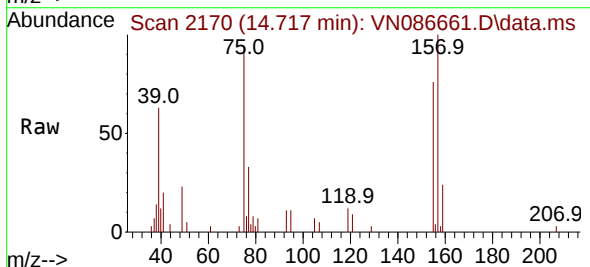
Manual Integrations
APPROVED

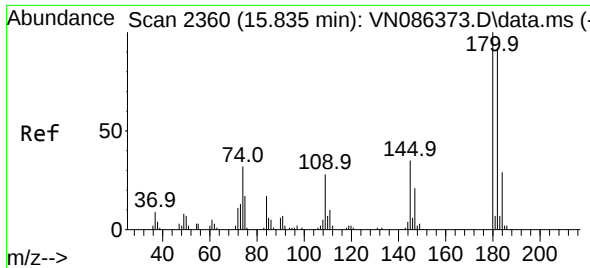
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 18.645 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

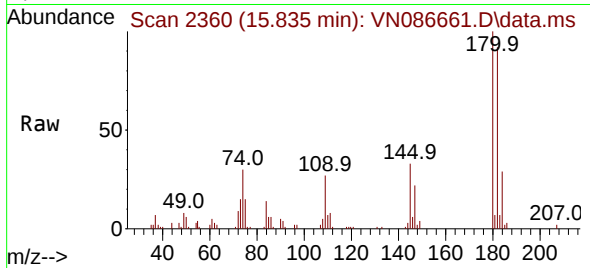
Tgt Ion: 75 Resp: 11431
Ion Ratio Lower Upper
75 100
155 81.1 64.0 96.0
157 105.7 78.2 117.4





#89
1,2,4-Trichlorobenzene
Concen: 19.176 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

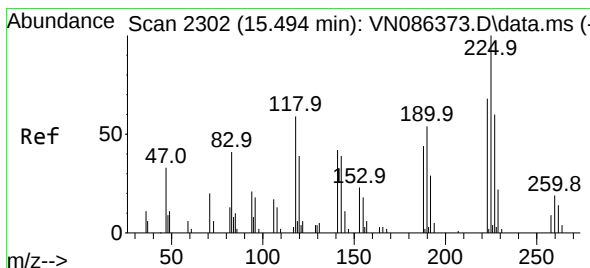
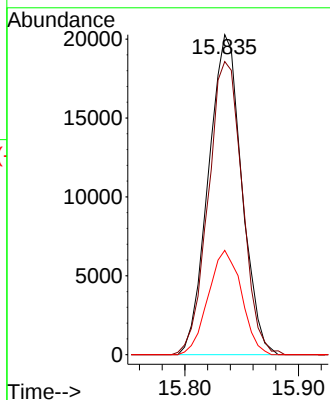
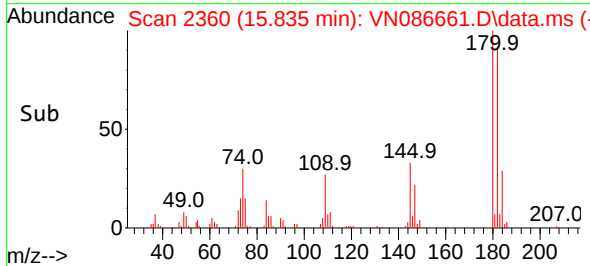
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



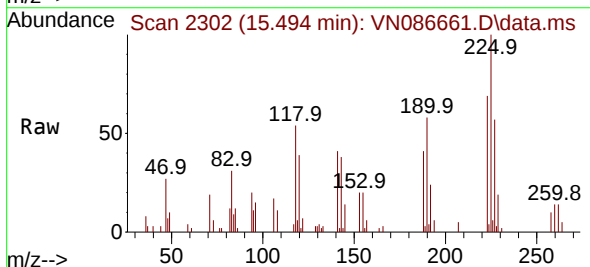
Tgt Ion:180 Resp: 4140
Ion Ratio Lower Upper
180 100
182 93.1 74.8 112.2
145 32.5 26.9 40.3

Manual Integrations
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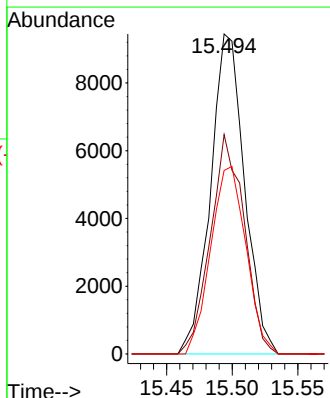
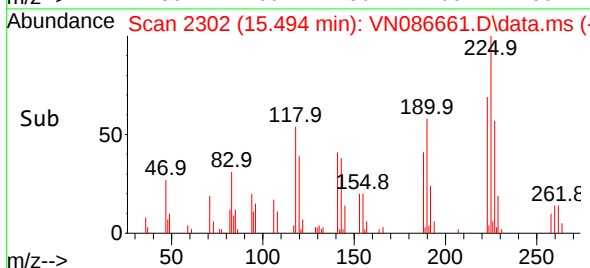
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

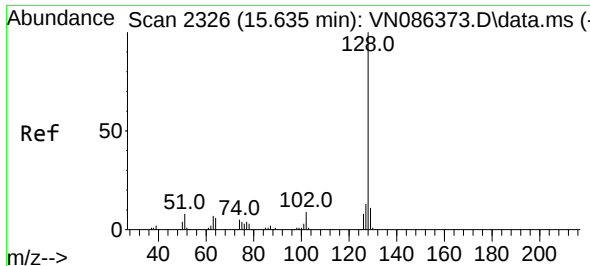


#90
Hexachlorobutadiene
Concen: 19.623 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37



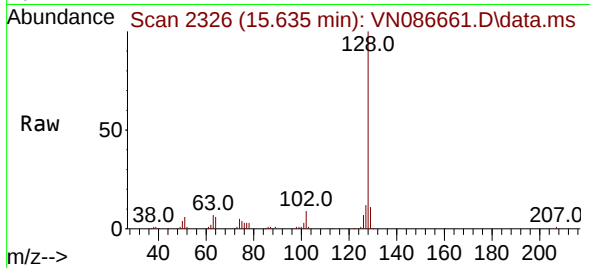
Tgt Ion:225 Resp: 17065
Ion Ratio Lower Upper
225 100
223 67.9 0.0 128.8
227 60.8 0.0 120.2





#91
Naphthalene
Concen: 18.330 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

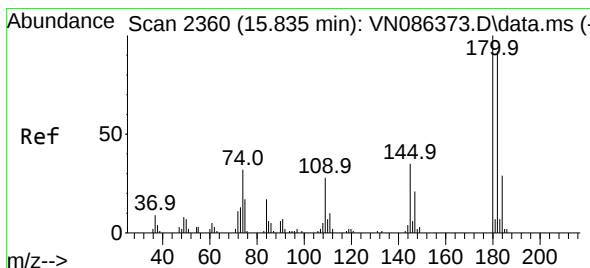
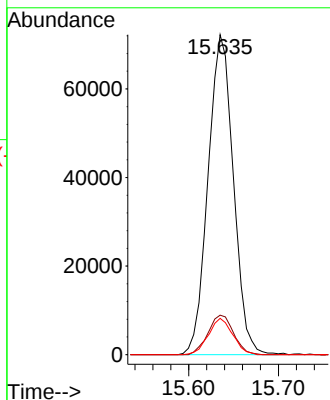
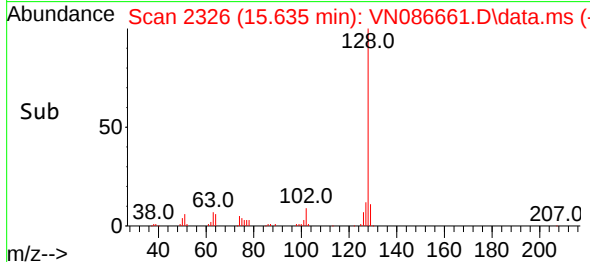
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 141682
Ion Ratio Lower Upper
128 100
127 12.4 10.6 15.8
129 10.9 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#92
1,2,3-Trichlorobenzene
Concen: 19.176 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086661.D
Acq: 16 May 2025 11:37

Tgt Ion:180 Resp: 41402
Ion Ratio Lower Upper
180 100
182 93.1 0.0 187.0
145 32.5 0.0 67.2

