

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072325\
 Data File : VN087399.D
 Acq On : 23 Jul 2025 10:08
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Jul 24 04:46:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 24 04:45:45 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/24/2025
 Supervised By : Mahesh Dadoda 07/24/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	30329	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	141214	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	131168	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	76240	30.376	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.267%			
60) 4-Bromofluorobenzene	12.829	95	59476	27.194	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 90.633%			
63) Toluene-d8	10.547	98	193491	32.040	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 106.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	6392	3.596	ug/l	97
3) Chloromethane	2.389	50	7367	4.105	ug/l #	88
4) Vinyl Chloride	2.536	62	8935	4.453	ug/l	100
5) Bromomethane	2.977	94	4879	4.262	ug/l #	81
6) Chloroethane	3.142	64	7418	4.808	ug/l #	85
7) Trichlorofluoromethane	3.506	101	17065	4.983	ug/l	98
8) Diethyl Ether	3.971	74	6294m	4.718	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.365	101	8840m	4.986	ug/l	
10) 1,1-Dichloroethene	4.342	96	9748	5.305	ug/l #	90
11) Methyl Iodide	4.583	142	3317	2.549	ug/l #	71
12) Methyl Acetate	5.030	43	10503m	4.406	ug/l	
13) Acrolein	4.171	56	8698m	21.131	ug/l	
14) Acrylonitrile	5.700	53	21230	19.587	ug/l #	41
15) Acetone	4.430	58	9607	25.396	ug/l	89
16) Carbon Disulfide	4.701	76	22699	4.805	ug/l	98
17) Allyl chloride	5.018	41	10063m	3.974	ug/l	
18) Methylene Chloride	5.259	84	8941m	4.792	ug/l	
19) trans-1,2-Dichloroethene	5.783	96	7810m	4.377	ug/l	
20) Diisopropyl ether	6.659	45	22412	3.537	ug/l #	97
21) 1,1-Dichloroethane	6.553	63	16434	4.733	ug/l #	91
22) cis-1,2-Dichloroethene	7.477	96	9164	4.312	ug/l	94
23) tert-Butyl Alcohol	5.506	59	8660m	23.461	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	21257	3.630	ug/l #	70
25) Chloroform	7.947	83	17710	4.718	ug/l	89
26) Cyclohexane	8.241	56	10681m	4.144	ug/l	
29) 1,1-Dichloropropene	8.353	75	10484	4.391	ug/l #	61
30) 2-Butanone	7.471	43	33276	20.716	ug/l #	98
31) 2,2-Dichloropropane	7.471	77	14653	4.673	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	14413	4.645	ug/l #	77
33) Carbon Tetrachloride	8.341	117	12846m	4.714	ug/l	
34) Benzene	8.594	78	32650	4.291	ug/l #	95
35) Methacrylonitrile	7.765	41	6034m	3.636	ug/l	
36) 1,2-Dichloroethane	8.659	62	13794m	4.535	ug/l	
37) Trichloroethene	9.330	130	9216	5.177	ug/l #	64
38) Methylcyclohexane	9.583	83	9758	3.951	ug/l	84
39) 1,2-Dichloropropane	9.612	63	8259m	4.320	ug/l	
40) Dibromomethane	9.688	93	7108	4.710	ug/l	80
41) Bromodichloromethane	9.871	83	13999	4.685	ug/l #	95
42) Vinyl Acetate	6.595	43	103034	18.732	ug/l	96

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 ALS Vial : 2 Sample Multiplier: 1

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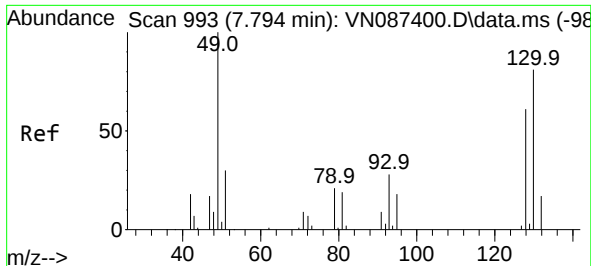
Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/24/2025
 Supervised By : Mahesh Dadoda 07/24/2025

Quant Time: Jul 24 04:46:16 2025
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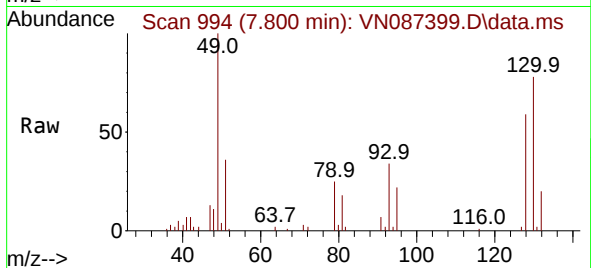
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	12664	3.773	ug/l	99
44) Isopropyl Acetate	8.677	43	18453	3.616	ug/l	98
45) 1,4-Dioxane	9.683	88	2192	70.208	ug/l #	44
46) Methyl methacrylate	9.665	41	7848	3.349	ug/l	91
47) n-amyl Acetate	12.682	43	11124m	4.222	ug/l	
48) t-1,3-Dichloropropene	10.818	75	12463	3.962	ug/l	90
49) cis-1,3-Dichloropropene	10.294	75	13118	4.125	ug/l	95
50) 1,1,2-Trichloroethane	11.000	97	8820	4.559	ug/l	95
51) Ethyl methacrylate	10.859	69	8660m	2.958	ug/l	
52) 1,3-Dichloropropane	11.147	76	14008	4.270	ug/l	98
53) Dibromochloromethane	11.335	129	9671	4.255	ug/l	95
54) 1,2-Dibromoethane	11.453	107	9221	4.554	ug/l	90
55) 2-Chloroethyl vinyl ether	10.141	63	18742	11.946	ug/l	97
56) Bromoform	12.559	173	6350	3.957	ug/l #	94
58) 4-Methyl-2-Pentanone	10.430	43	61300	19.504	ug/l	98
59) 2-Hexanone	11.182	43	35666	16.683	ug/l	93
61) Tetrachloroethene	11.088	164	7784	5.290	ug/l	92
62) Toluene	10.612	91	37164	4.699	ug/l	98
64) Chlorobenzene	11.871	112	22760	4.550	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.941	131	8525	4.634	ug/l	95
66) Ethyl Benzene	11.941	91	33452	3.963	ug/l	98
67) m/p-Xylenes	12.053	106	25909	7.681	ug/l	97
68) o-Xylene	12.376	106	11477	3.630	ug/l	94
69) Styrene	12.394	104	18874	3.394	ug/l	94
70) Isopropylbenzene	12.676	105	29462	3.635	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.918	83	13210	4.560	ug/l	90
72) 1,2,3-Trichloropropane	12.976	75	11468m	3.125	ug/l	
73) Bromobenzene	12.965	156	8685	4.108	ug/l	81
74) n-propylbenzene	13.018	91	40102	3.893	ug/l	97
75) 2-Chlorotoluene	13.100	91	23645	3.888	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	25169	3.589	ug/l	100
77) t-1,4-Dichloro-2-butene	12.729	75	3016	3.003	ug/l #	73
78) 4-Chlorotoluene	13.206	91	24481	3.752	ug/l	96
79) tert-butylbenzene	13.418	119	20777	3.514	ug/l	95
80) 1,2,4-Trimethylbenzene	13.459	105	24400	3.399	ug/l	98
81) sec-Butylbenzene	13.594	105	31763	3.682	ug/l	99
82) p-Isopropyltoluene	13.712	119	25168	3.407	ug/l	97
83) 1,3-Dichlorobenzene	13.712	146	17794	4.173	ug/l	98
84) 1,4-Dichlorobenzene	13.794	146	17455	4.142	ug/l	99
85) n-Butylbenzene	14.035	91	22815	3.381	ug/l	98
86) Hexachloroethane	14.318	117	6249m	4.301	ug/l	
87) 1,2-Dichlorobenzene	14.082	146	17091	4.226	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.694	75	2976	4.533	ug/l #	65
89) 1,2,4-Trichlorobenzene	15.812	180	9026	3.912	ug/l	97
90) Hexachlorobutadiene	15.476	225	4303	4.510	ug/l #	38
91) Naphthalene	15.617	128	24248	3.192	ug/l	99
92) 1,2,3-Trichlorobenzene	15.812	180	9026	3.912	ug/l	97

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

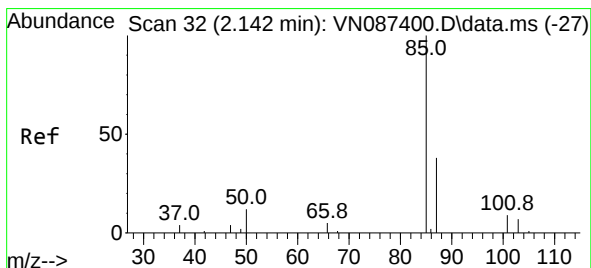
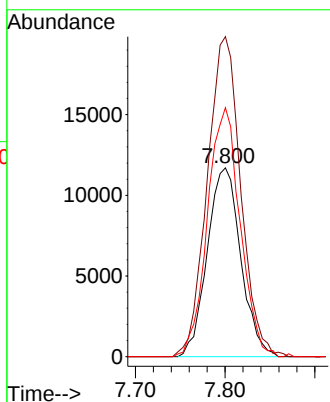
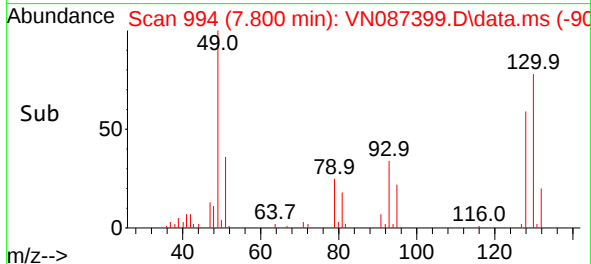
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:128 Resp: 30329
Ion Ratio Lower Upper
128 100
49 168.8 0.0 446.2
130 128.7 0.0 331.0

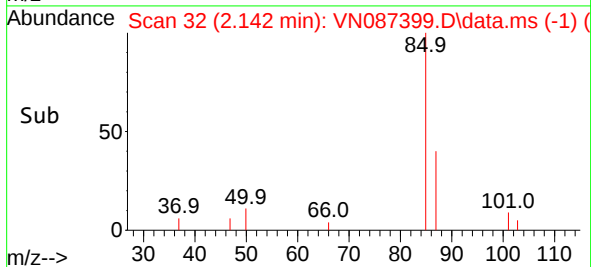
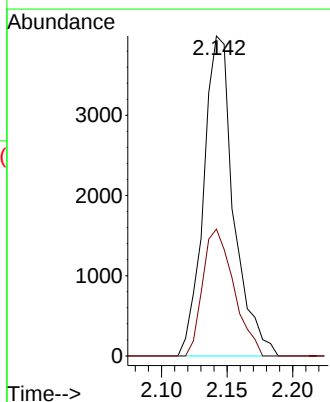
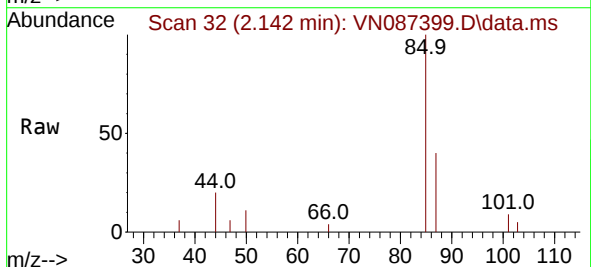
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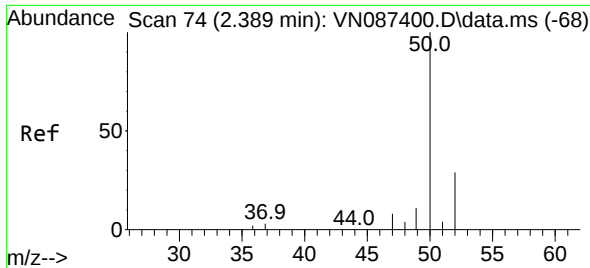
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#2
Dichlorodifluoromethane
Concen: 3.596 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

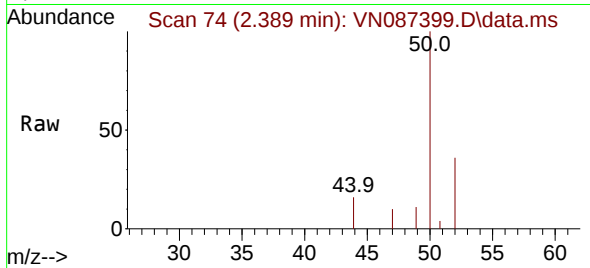
Tgt Ion: 85 Resp: 6392
Ion Ratio Lower Upper
85 100
87 39.7 18.9 56.9





#3
Chloromethane
Concen: 4.105 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

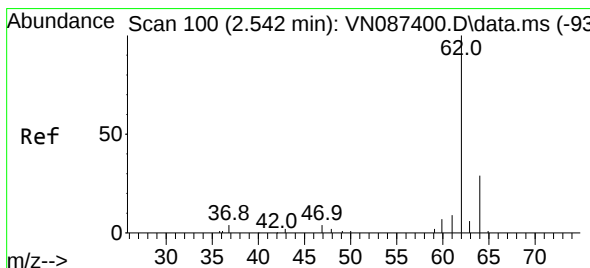
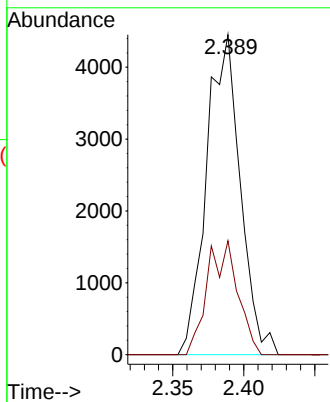
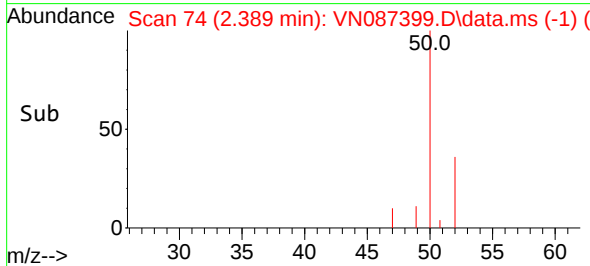
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



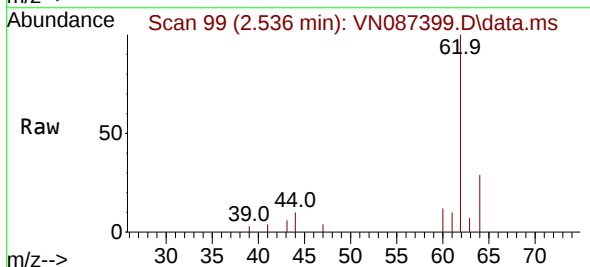
Tgt Ion: 50 Resp: 736
Ion Ratio Lower Upper
50 100
52 35.6 23.2 34.8

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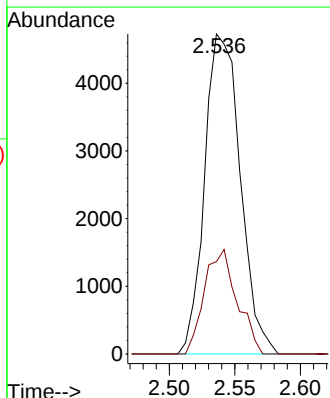
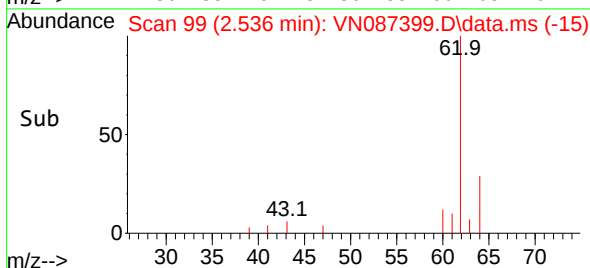
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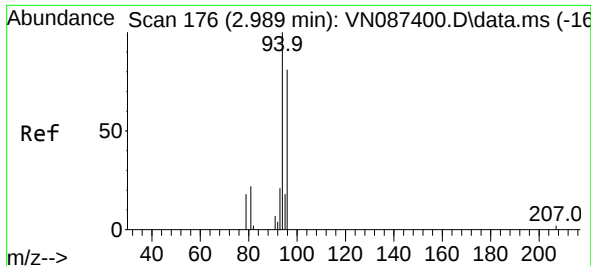


#4
Vinyl Chloride
Concen: 4.453 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08



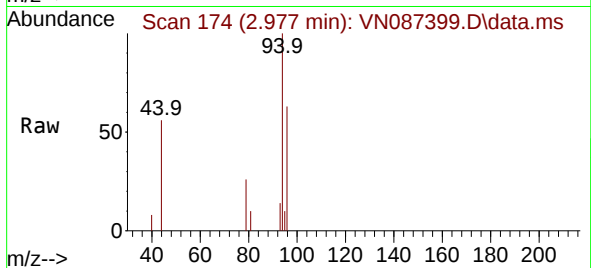
Tgt Ion: 62 Resp: 8935
Ion Ratio Lower Upper
62 100
64 28.9 23.2 34.8





#5
Bromomethane
Concen: 4.262 ug/l
RT: 2.977 min Scan# 174
Delta R.T. -0.012 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

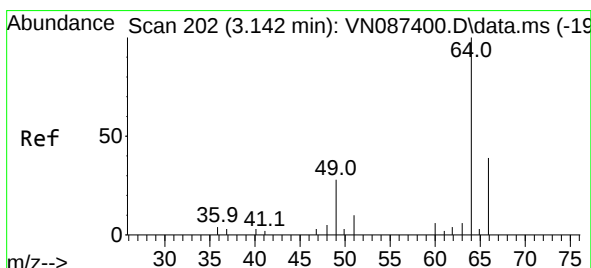
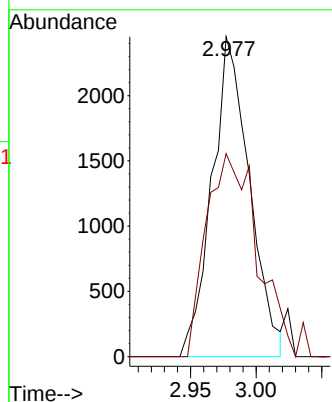
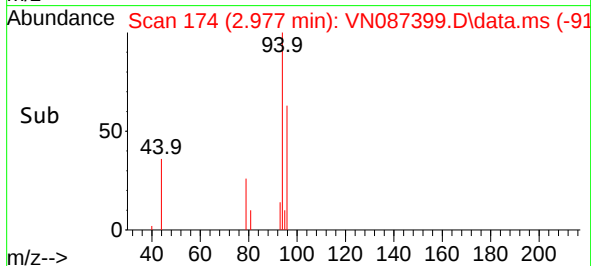
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 94 Resp: 4879
Ion Ratio Lower Upper
94 100
96 63.5 64.6 96.8

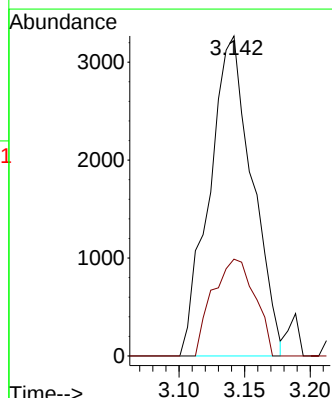
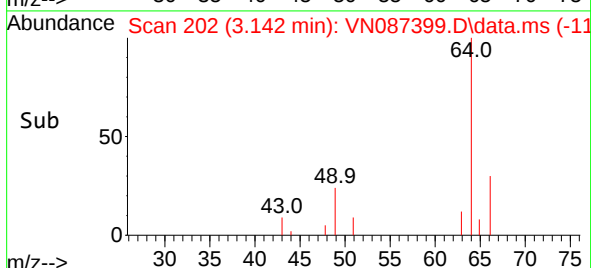
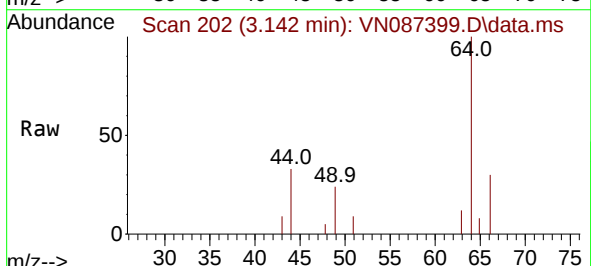
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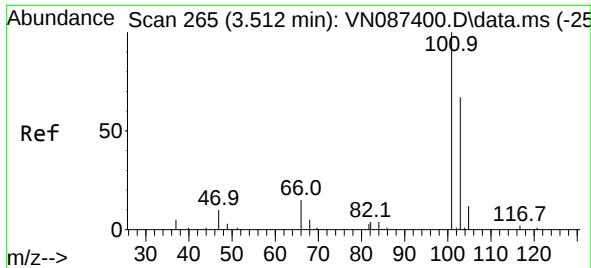
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#6
Chloroethane
Concen: 4.808 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

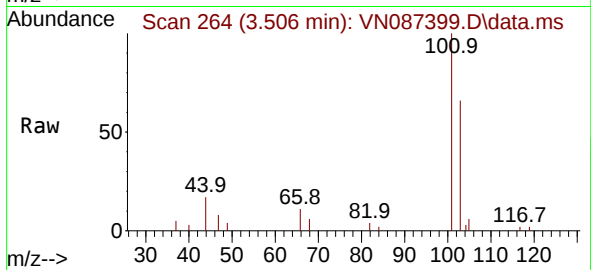
Tgt Ion: 64 Resp: 7418
Ion Ratio Lower Upper
64 100
66 30.2 31.4 47.2





#7
 Trichlorofluoromethane
 Concen: 4.983 ug/l
 RT: 3.506 min Scan# 210
 Delta R.T. -0.006 min
 Lab File: VN087399.D
 Acq: 23 Jul 2025 10:08

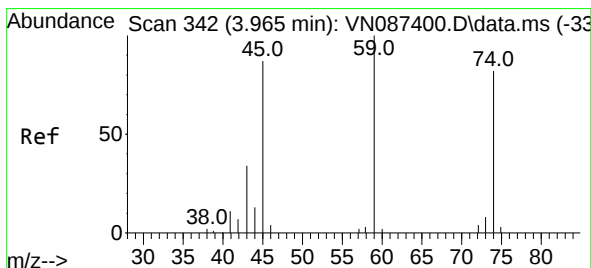
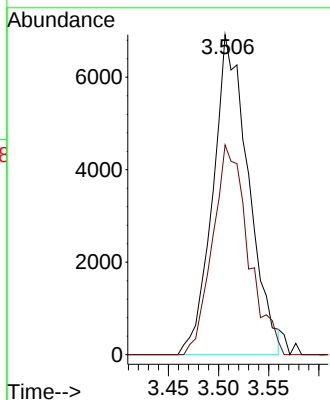
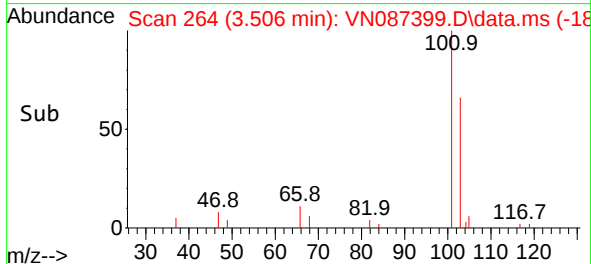
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



Tgt Ion:101 Resp: 1706
 Ion Ratio Lower Upper
 101 100
 103 65.5 53.7 80.5

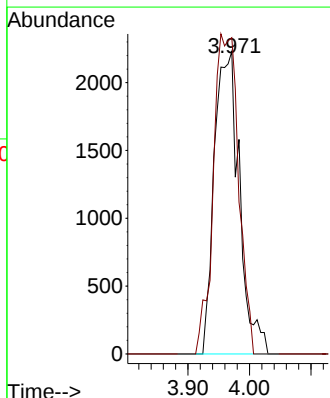
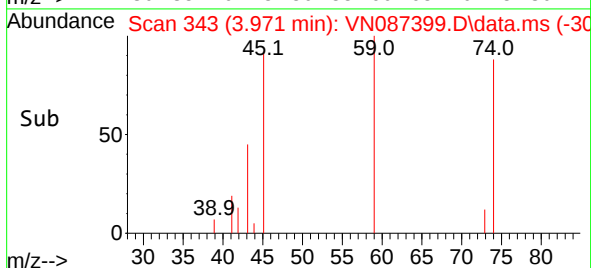
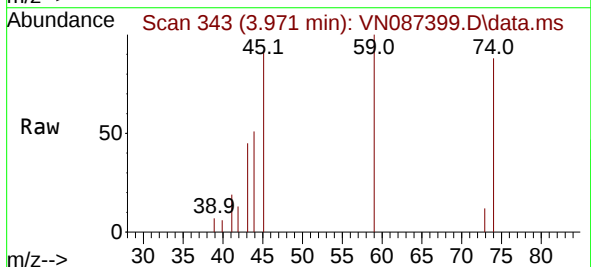
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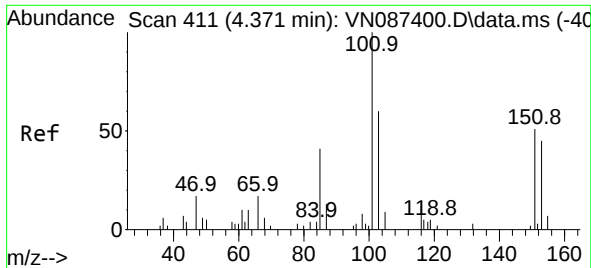
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#8
 Diethyl Ether
 Concen: 4.718 ug/l m
 RT: 3.971 min Scan# 343
 Delta R.T. 0.006 min
 Lab File: VN087399.D
 Acq: 23 Jul 2025 10:08

Tgt Ion: 74 Resp: 6294
 Ion Ratio Lower Upper
 74 100
 45 37.4 21.4 192.8





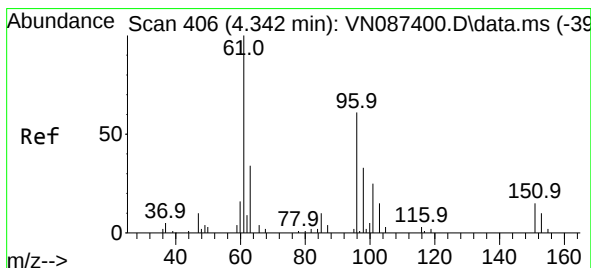
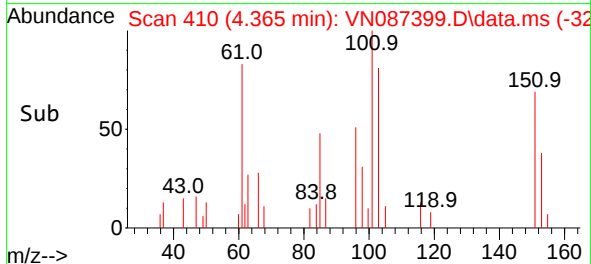
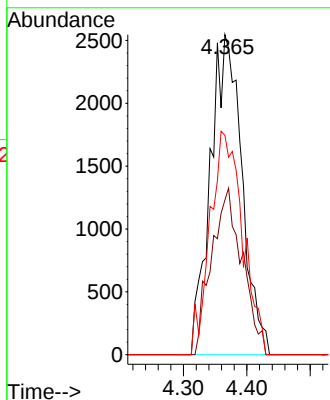
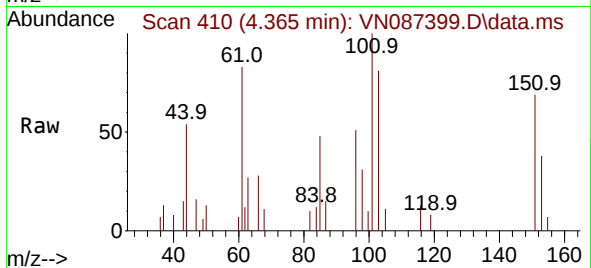
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1,1,2-Trichlorotrifluoroethane
Concen: 4.986 ug/l m
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 8840
Ion Ratio Lower Upper
101 100
85 5.2 0.0 94.8
151 2.3 0.0 64.8

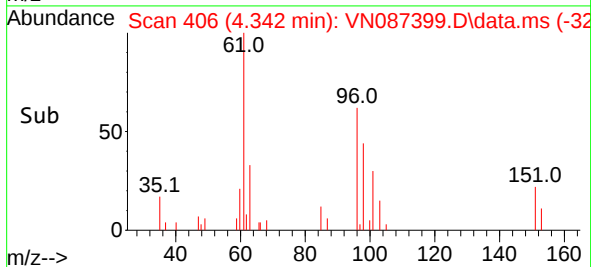
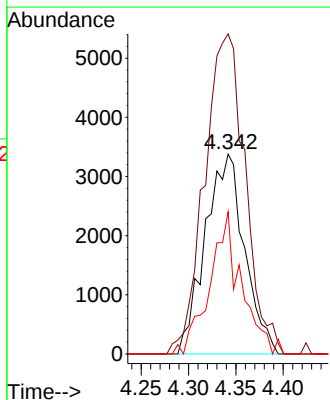
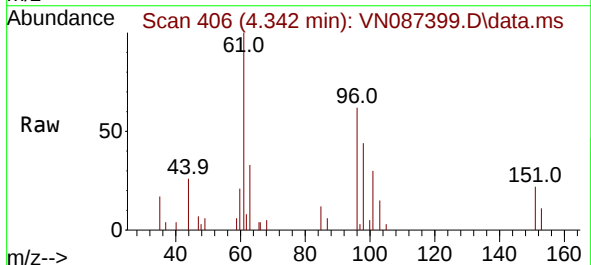
Manual Integrations
APPROVED

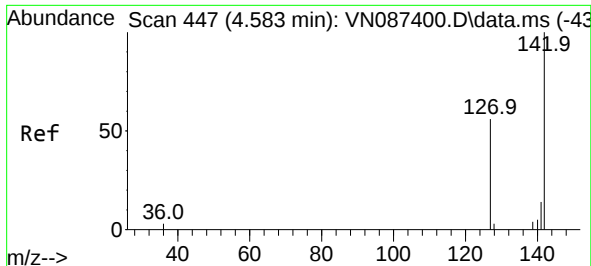
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#10
1,1-Dichloroethene
Concen: 5.305 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

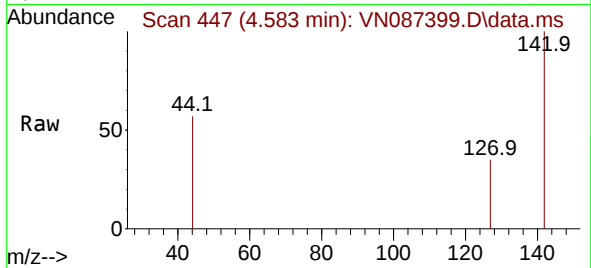
Tgt Ion: 96 Resp: 9748
Ion Ratio Lower Upper
96 100
61 154.8 131.8 197.8
98 66.3 43.0 64.4#





#11
Methyl Iodide
Concen: 2.549 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

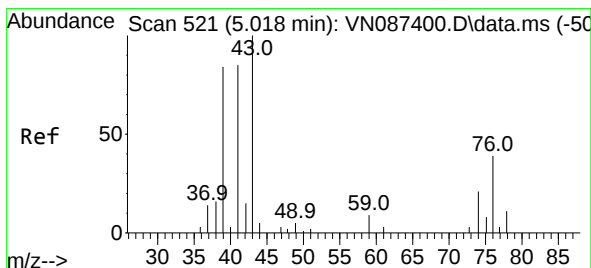
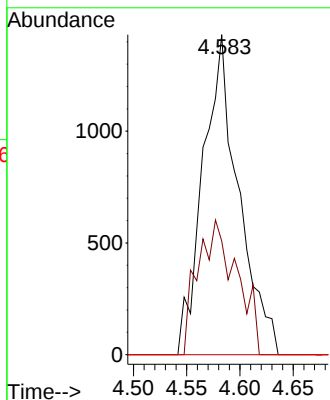
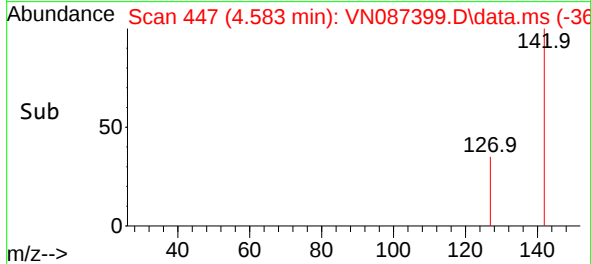
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion:142 Resp: 331
Ion Ratio Lower Upper
142 100
127 35.5 27.7 83.0
141 0.0 7.2 21.6

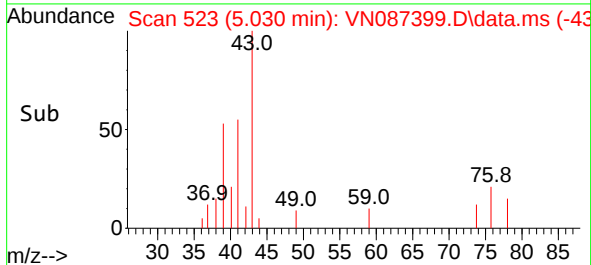
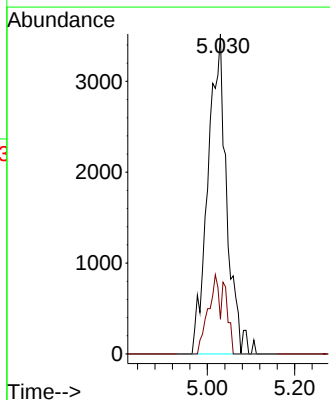
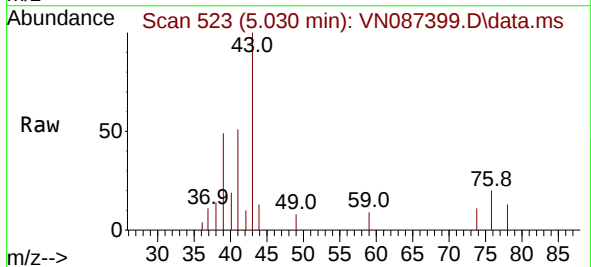
Manual Integrations
APPROVED

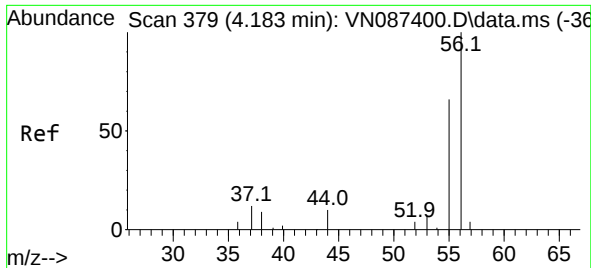
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#12
Methyl Acetate
Concen: 4.406 ug/l m
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

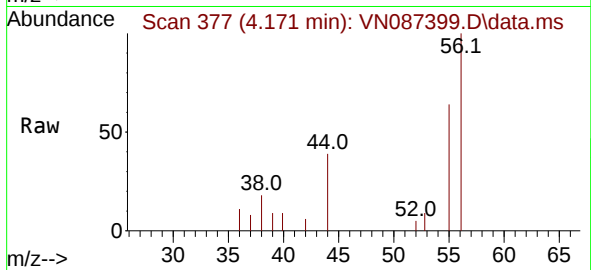
Tgt Ion: 43 Resp: 10503
Ion Ratio Lower Upper
43 100
74 10.8 16.9 25.3#





#13
Acrolein
Concen: 21.131 ug/l m
RT: 4.171 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

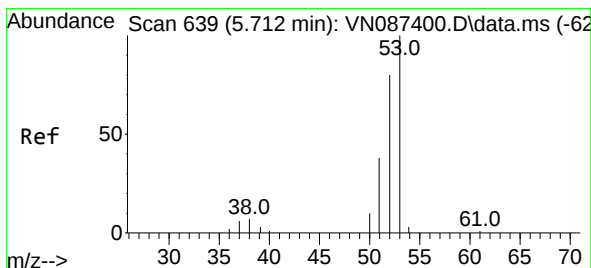
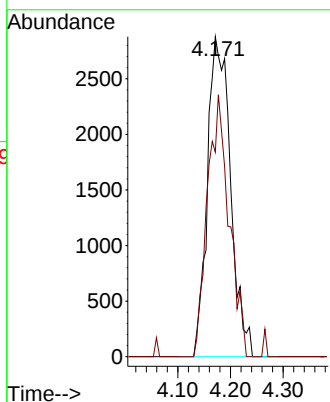
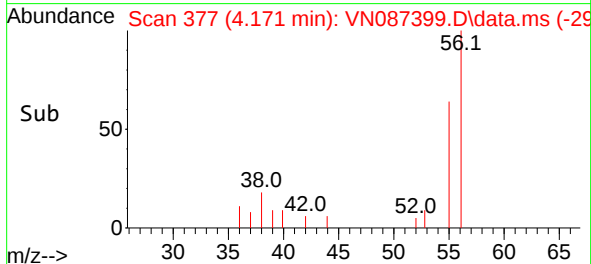
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



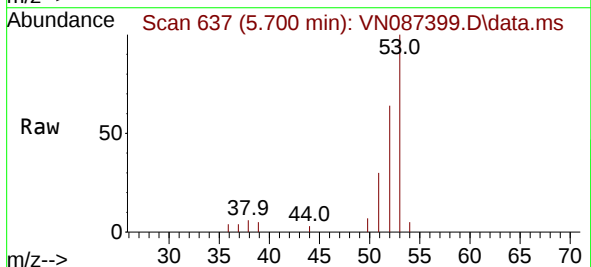
Tgt Ion: 56 Resp: 8698
Ion Ratio Lower Upper
56 100
55 15.5 56.8 85.2

Manual Integrations
APPROVED

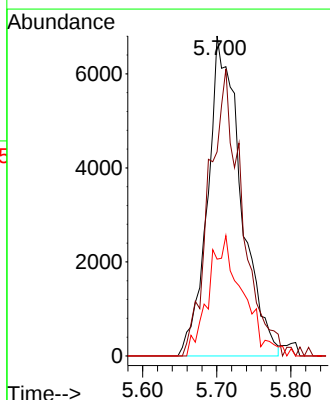
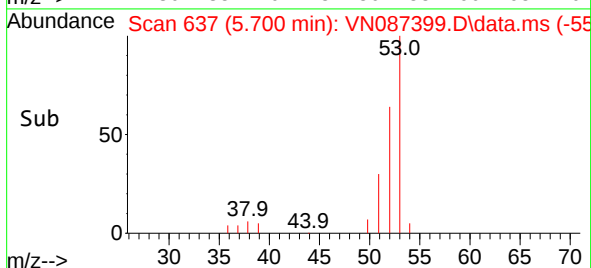
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

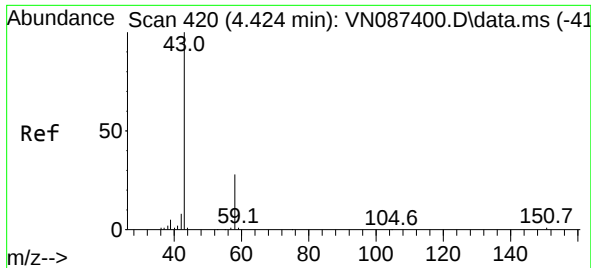


#14
Acrylonitrile
Concen: 19.587 ug/l
RT: 5.700 min Scan# 637
Delta R.T. -0.012 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08



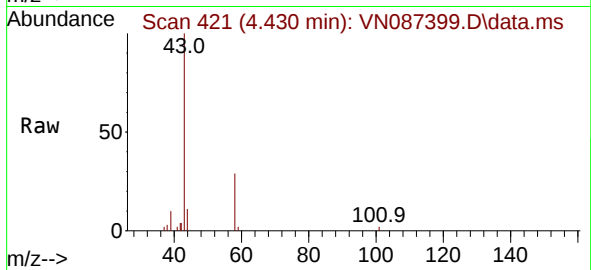
Tgt Ion: 53 Resp: 21230
Ion Ratio Lower Upper
53 100
52 23.0 41.5 124.6#
51 13.1 19.4 58.4#





#15
Acetone
Concen: 25.396 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

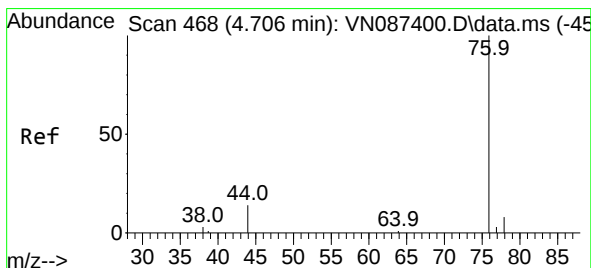
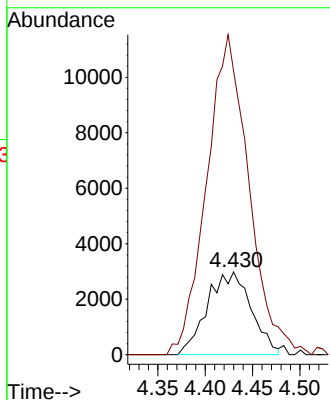
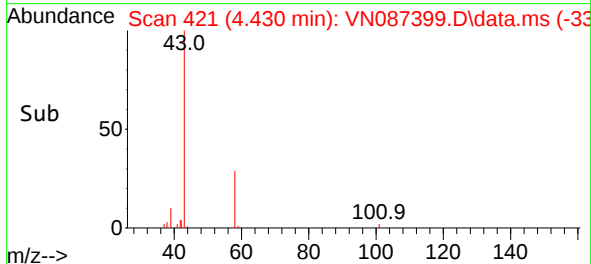
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 58 Resp: 960
Ion Ratio Lower Upper
58 100
43 330.5 283.4 425.0

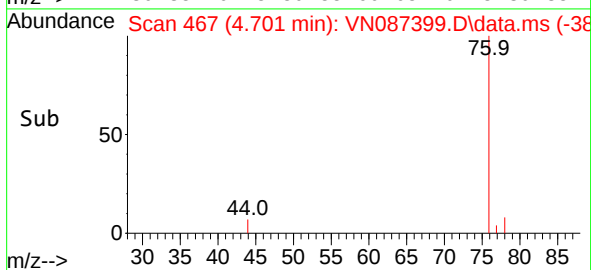
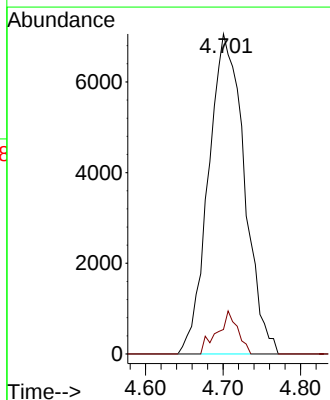
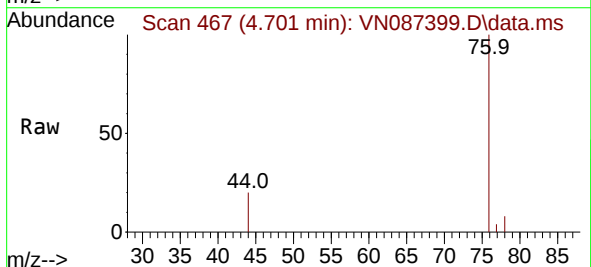
Manual Integrations
APPROVED

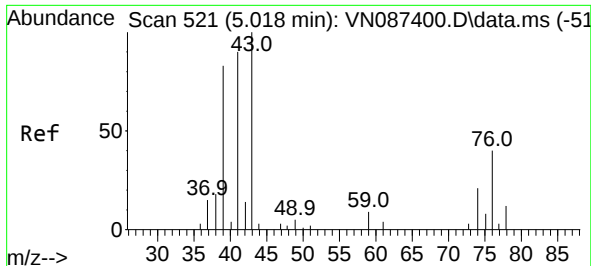
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#16
Carbon Disulfide
Concen: 4.805 ug/l
RT: 4.701 min Scan# 467
Delta R.T. -0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

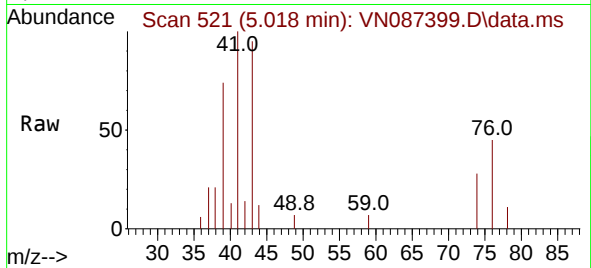
Tgt Ion: 76 Resp: 22699
Ion Ratio Lower Upper
76 100
78 7.7 6.6 10.0





#17
 Allyl chloride
 Concen: 3.974 ug/l m
 RT: 5.018 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN087399.D
 Acq: 23 Jul 2025 10:08

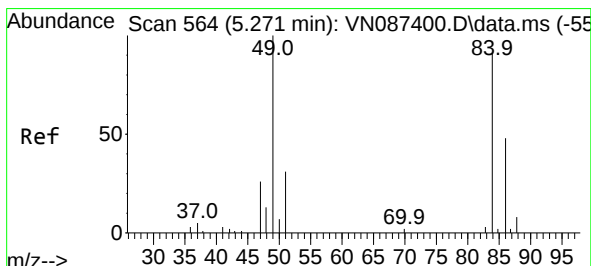
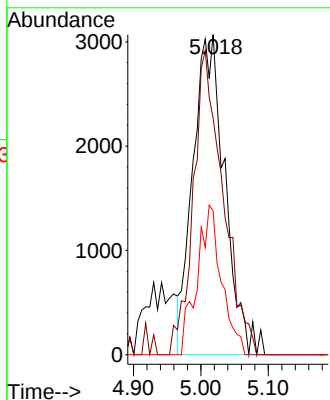
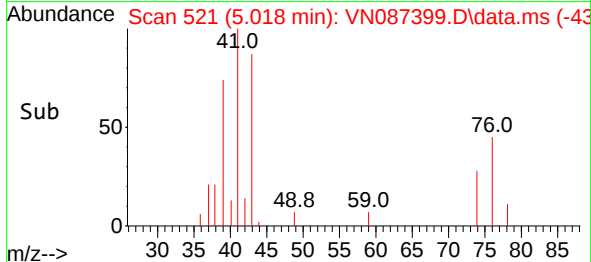
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



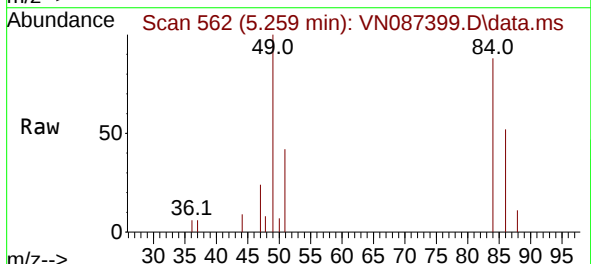
Tgt Ion: 41 Resp: 1006
 Ion Ratio Lower Upper
 41 100
 39 74.0 42.9 128.7
 76 45.0 19.8 59.4

Manual Integrations
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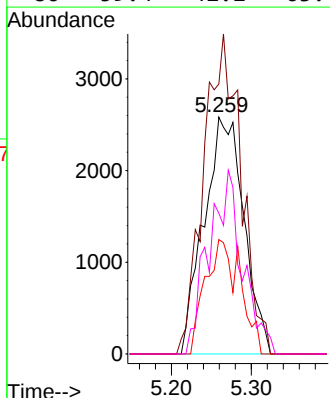
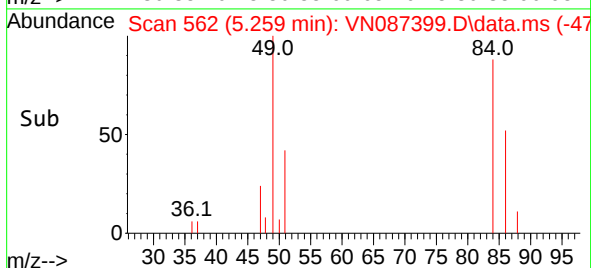
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

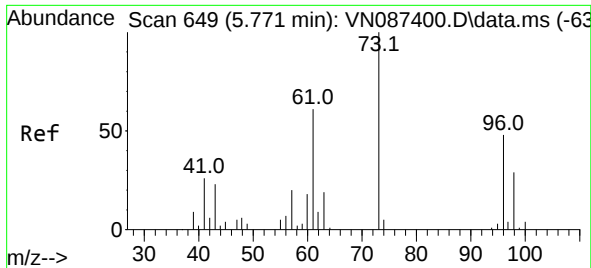


#18
 Methylene Chloride
 Concen: 4.792 ug/l m
 RT: 5.259 min Scan# 562
 Delta R.T. -0.012 min
 Lab File: VN087399.D
 Acq: 23 Jul 2025 10:08



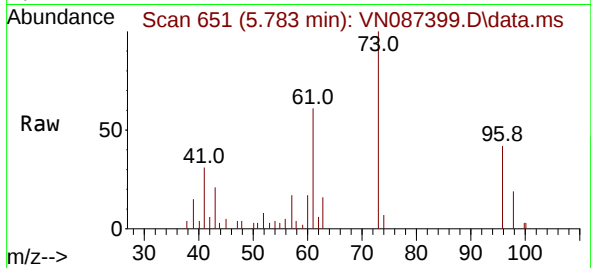
Tgt Ion: 84 Resp: 8941
 Ion Ratio Lower Upper
 84 100
 49 114.0 88.4 132.6
 51 48.3 27.3 40.9#
 86 59.4 42.2 63.4





#19
trans-1,2-Dichloroethene
Concen: 4.377 ug/l m
RT: 5.783 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

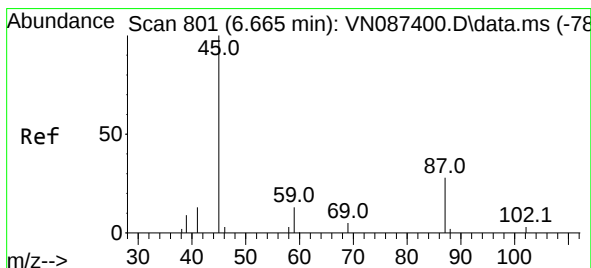
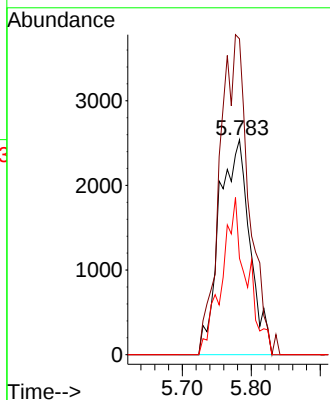
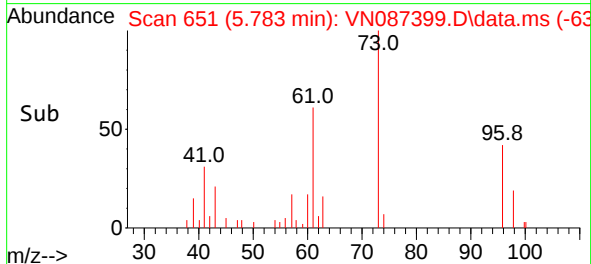
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 96 Resp: 7810
Ion Ratio Lower Upper
96 100
61 146.9 101.7 152.5
98 44.8 48.2 72.4

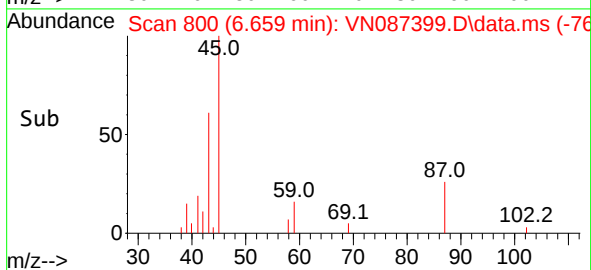
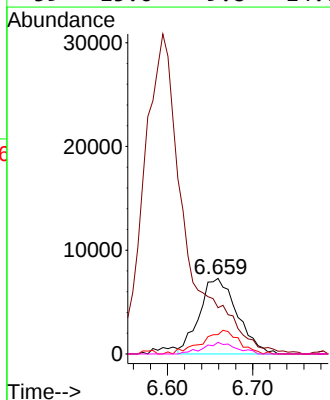
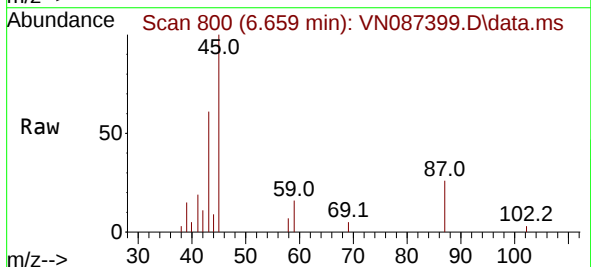
Manual Integrations
APPROVED

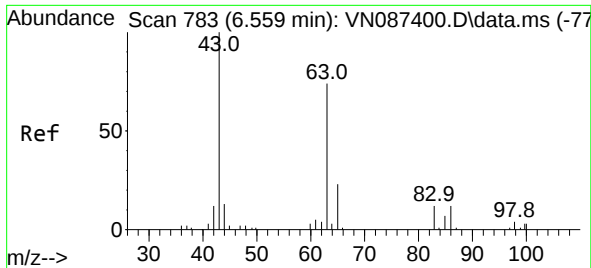
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#20
Diisopropyl ether
Concen: 3.537 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 45 Resp: 22412
Ion Ratio Lower Upper
45 100
43 57.6 46.0 69.0
87 25.6 23.4 35.2
59 15.6 9.8 14.6





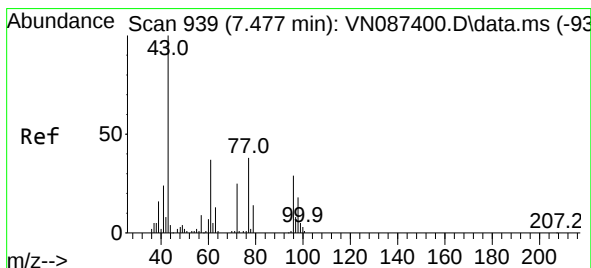
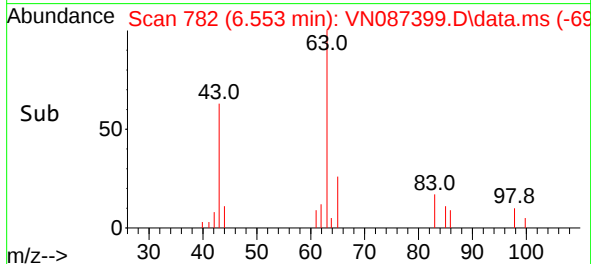
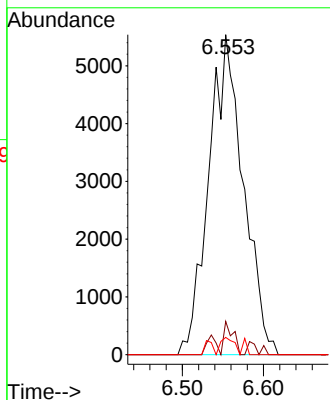
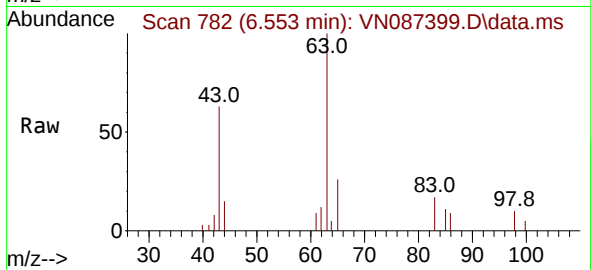
#21
1,1-Dichloroethane
Concen: 4.733 ug/l
RT: 6.553 min Scan# 714
Delta R.T. -0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 16434
Ion Ratio Lower Upper
63 100
98 10.4 2.9 8.6
100 5.4 3.6 10.8

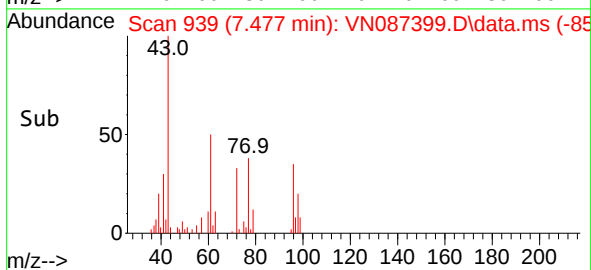
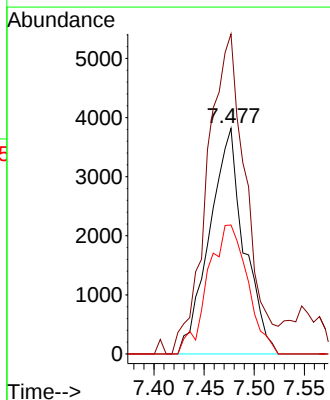
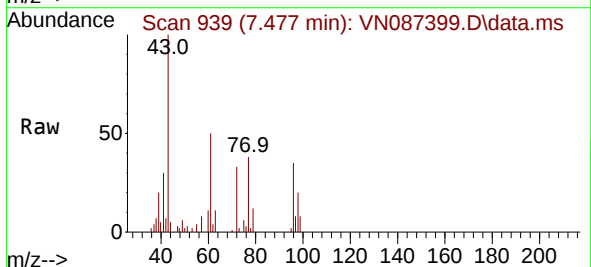
Manual Integrations
APPROVED

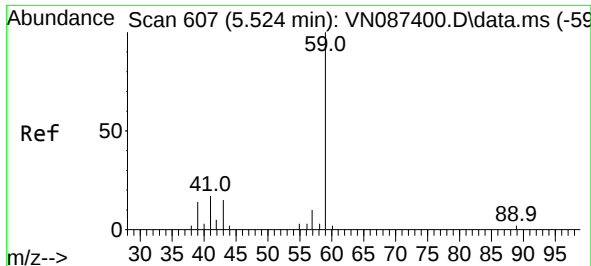
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#22
cis-1,2-Dichloroethene
Concen: 4.312 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

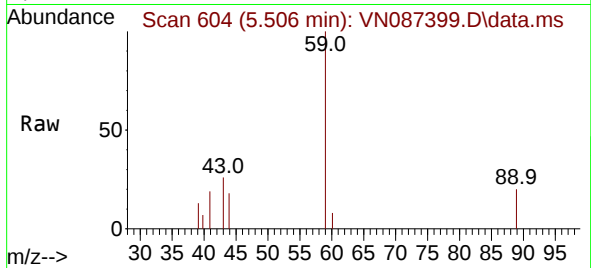
Tgt Ion: 96 Resp: 9164
Ion Ratio Lower Upper
96 100
61 158.2 120.4 180.6
98 62.1 54.0 81.0





#23
tert-Butyl Alcohol
Concen: 23.461 ug/l m
RT: 5.506 min Scan# 607
Delta R.T. -0.017 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

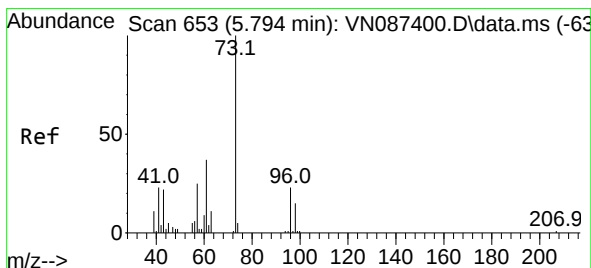
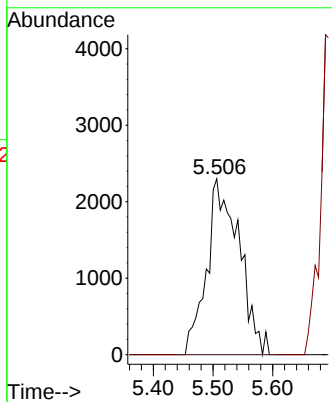
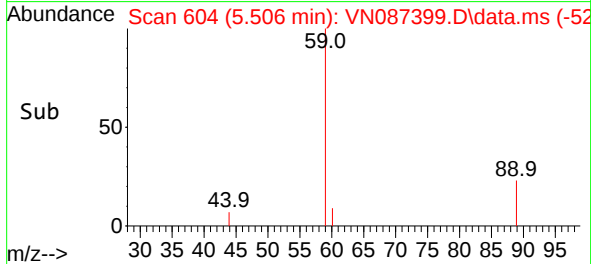
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 59 Resp: 866
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

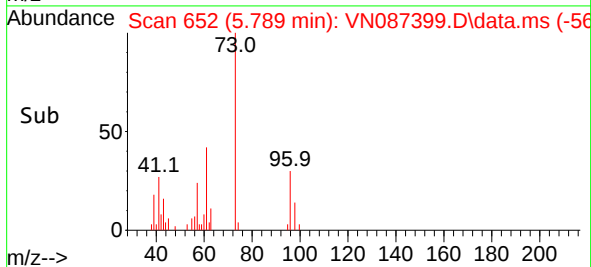
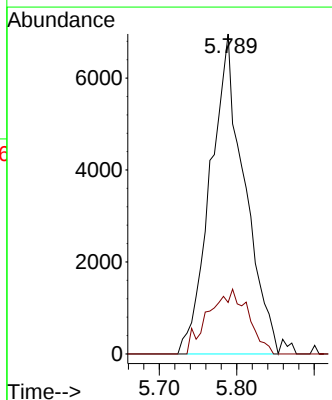
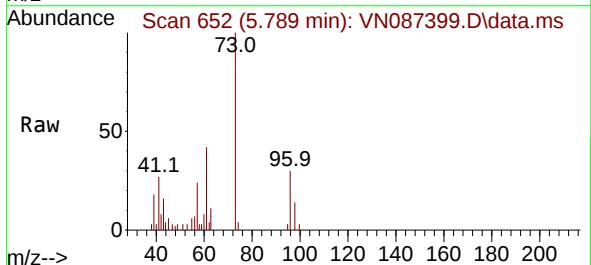
Manual Integrations
APPROVED

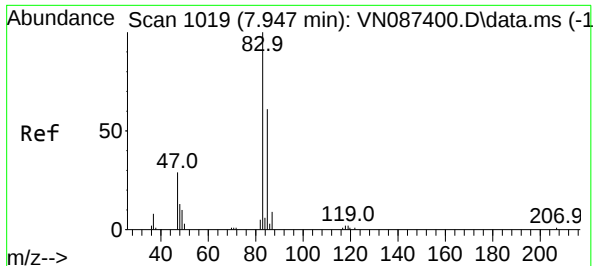
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#24
Methyl tert-Butyl Ether
Concen: 3.630 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 73 Resp: 21257
Ion Ratio Lower Upper
73 100
43 8.0 17.7 26.5#





#25

Chloroform

Concen: 4.718 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VN087399.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 17710

Ion Ratio Lower Upper

83 100

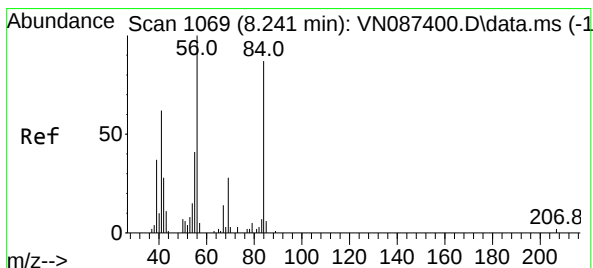
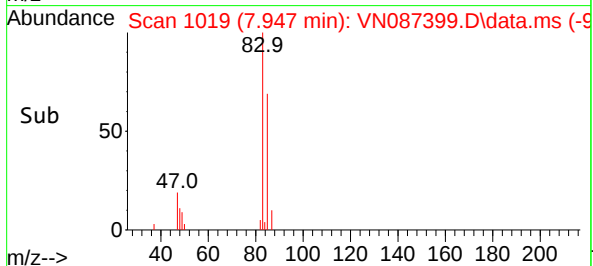
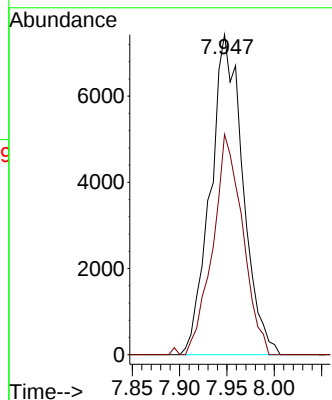
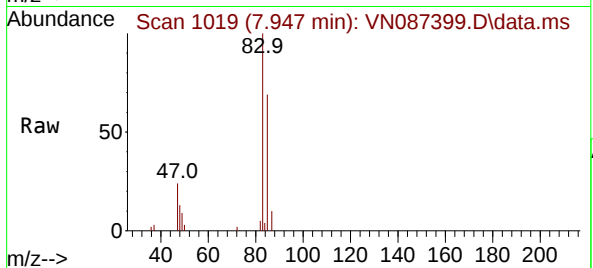
85 68.9 48.6 73.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#26

Cyclohexane

Concen: 4.144 ug/l m

RT: 8.241 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VN087399.D

Acq: 23 Jul 2025 10:08

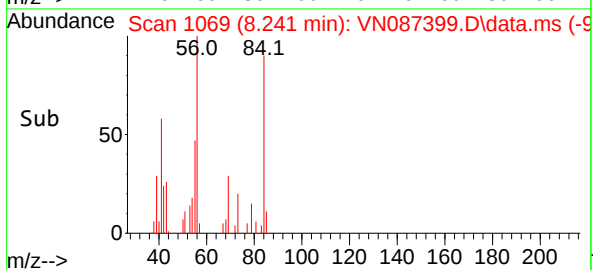
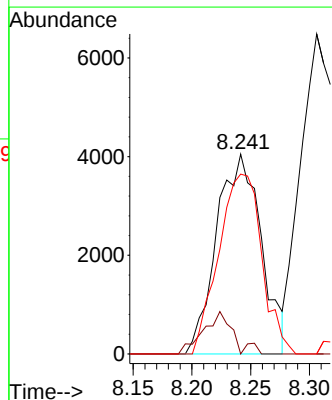
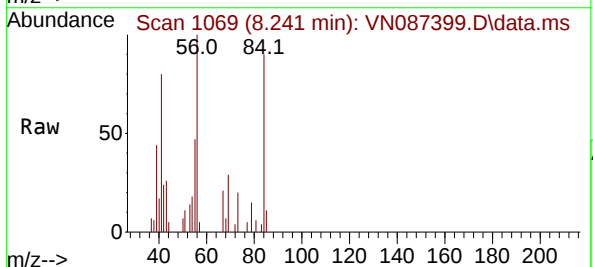
Tgt Ion: 56 Resp: 10681

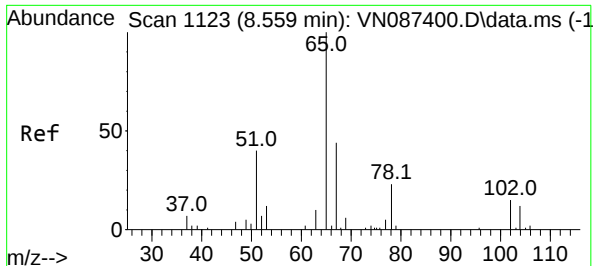
Ion Ratio Lower Upper

56 100

89 12.8 1.5 2.3#

84 0.0 71.2 106.8#





#27
1,2-Dichloroethane-d4
Concen: 30.376 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_N

ClientSampleId :

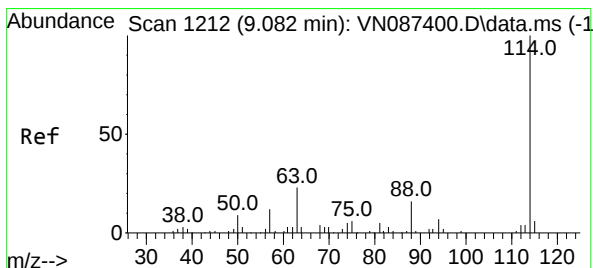
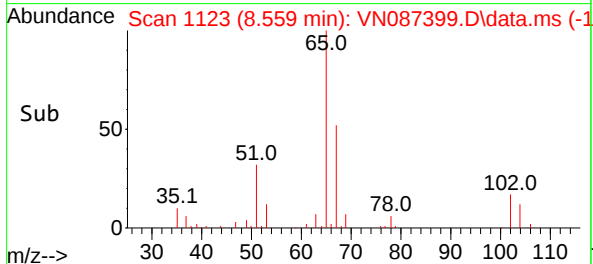
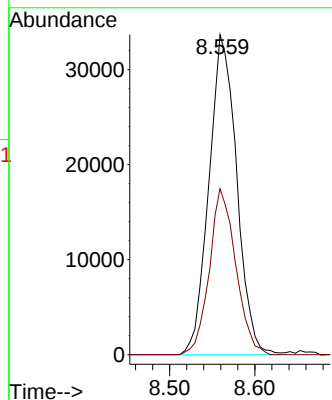
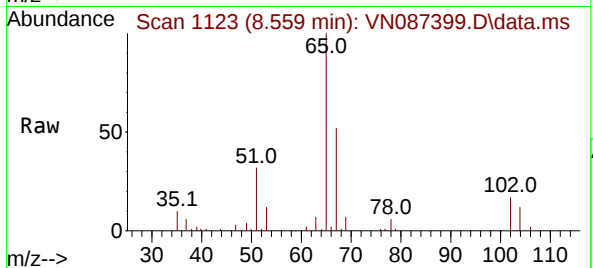
VSTDIC005

Tgt Ion: 65 Resp: 76240
Ion Ratio Lower Upper
65 100
67 49.3 40.2 60.4

Manual Integrations

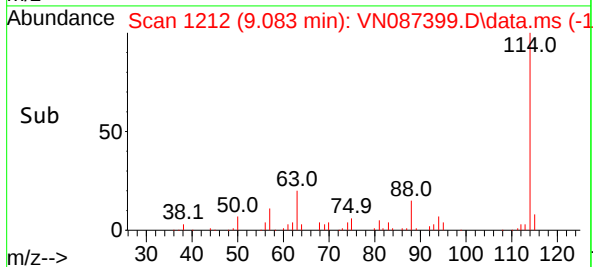
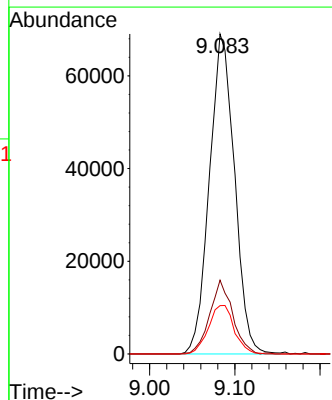
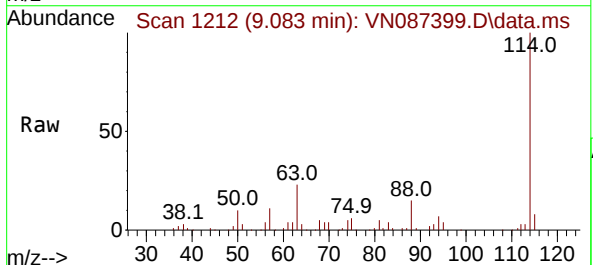
APPROVED

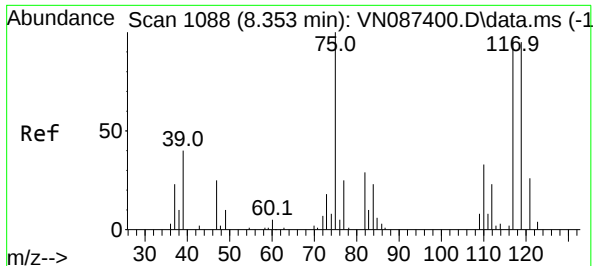
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Tgt Ion:114 Resp: 141214
Ion Ratio Lower Upper
114 100
63 21.1 16.8 25.2
88 15.5 12.5 18.7





#29

1,1-Dichloropropene

Concen: 4.391 ug/l

RT: 8.353 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VN087399.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

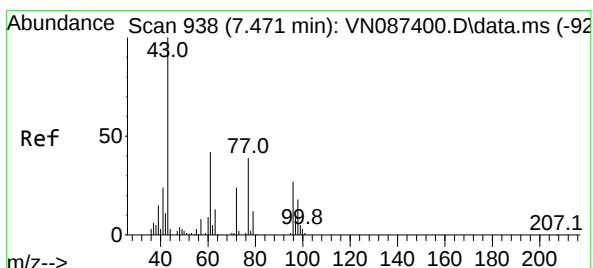
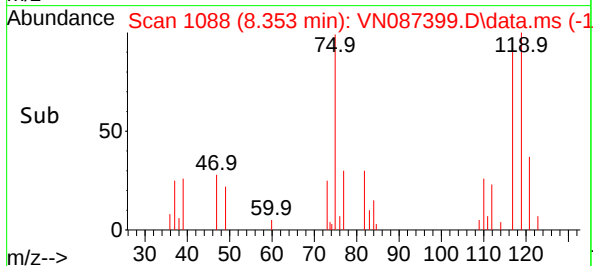
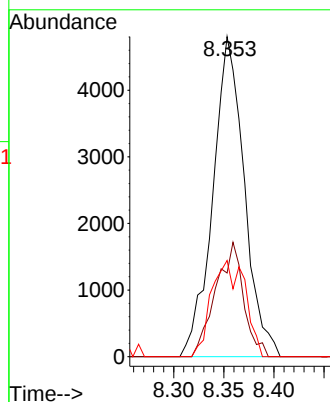
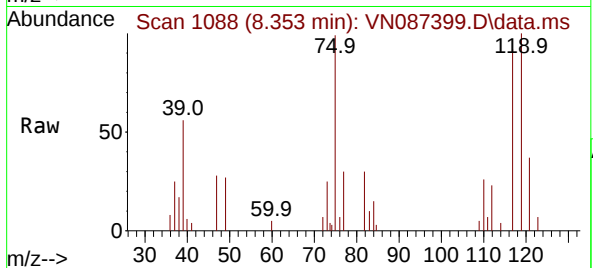
Tgt Ion: 75	Resp: 10484
Ion Ratio	Lower Upper
75 100	
110 0.0	0.0 66.4
77 20.9	0.0 61.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#30

2-Butanone

Concen: 20.716 ug/l

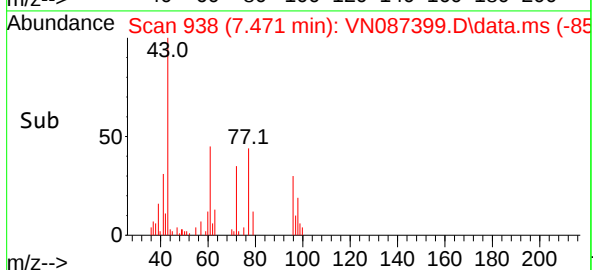
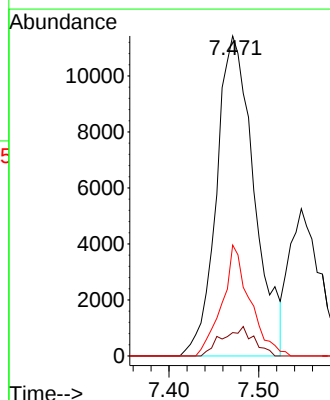
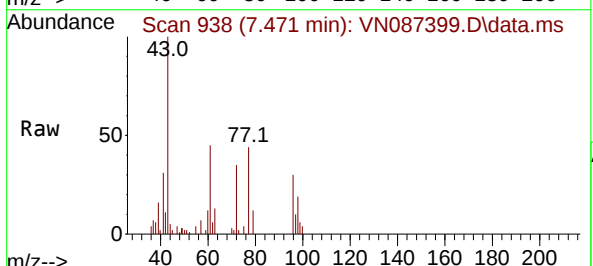
RT: 7.471 min Scan# 938

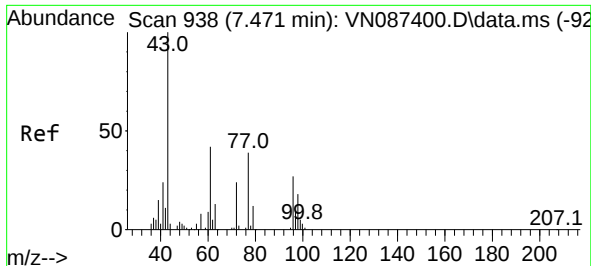
Delta R.T. 0.000 min

Lab File: VN087399.D

Acq: 23 Jul 2025 10:08

Tgt Ion: 43	Resp: 33276
Ion Ratio	Lower Upper
43 100	
57 5.8	6.6 9.8#
72 25.6	20.6 30.8





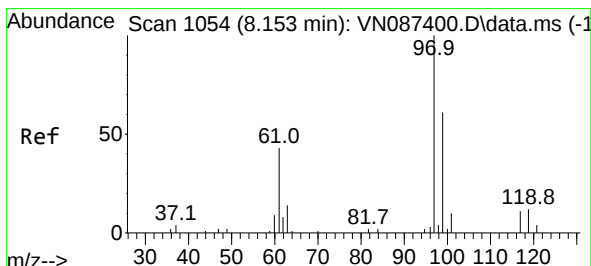
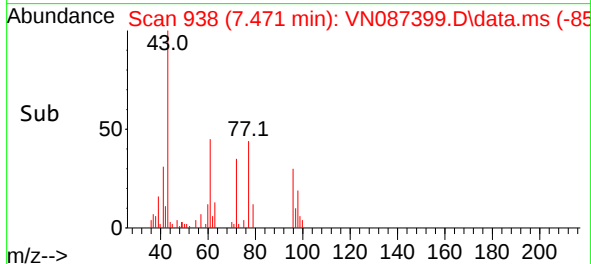
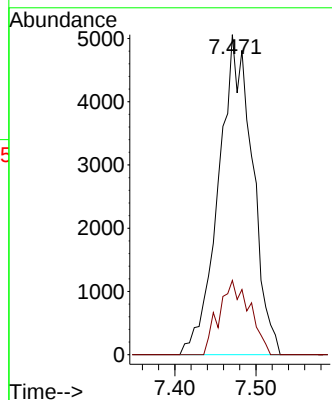
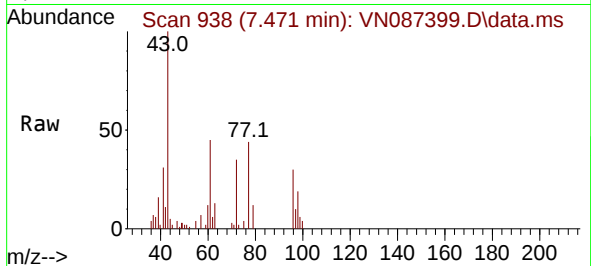
#31
2,2-Dichloropropane
Concen: 4.673 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 77 Resp: 1465
Ion Ratio Lower Upper
77 100
97 21.1 17.1 25.7

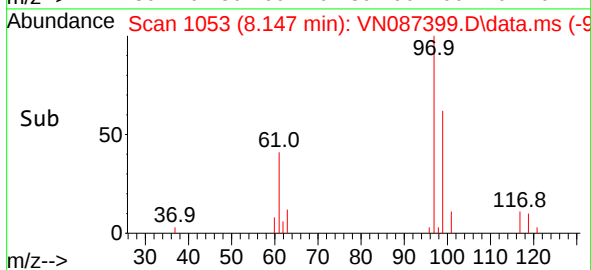
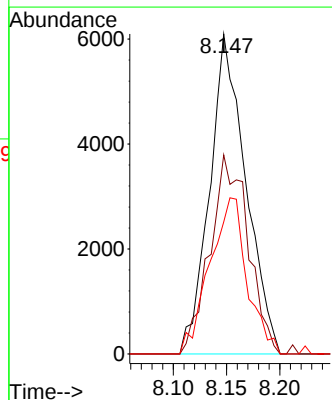
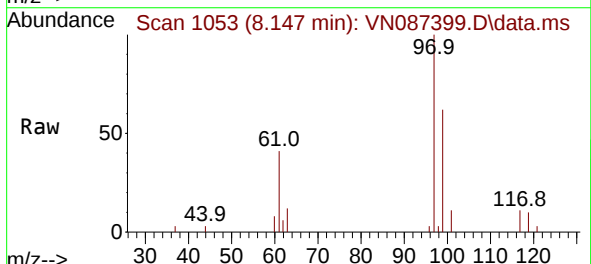
Manual Integrations
APPROVED

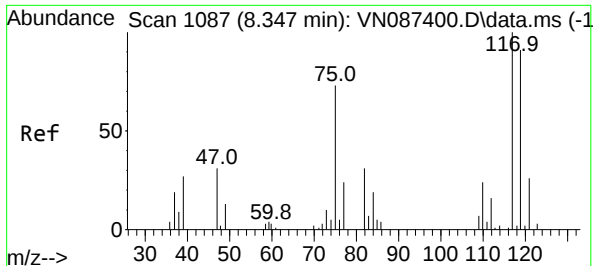
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#32
1,1,1-Trichloroethane
Concen: 4.645 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

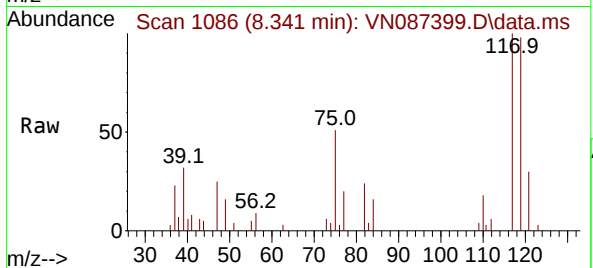
Tgt Ion: 97 Resp: 14413
Ion Ratio Lower Upper
97 100
99 37.3 51.0 76.6#
61 50.5 36.1 54.1





#33
Carbon Tetrachloride
Concen: 4.714 ug/l m
RT: 8.341 min Scan# 1108
Delta R.T. -0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

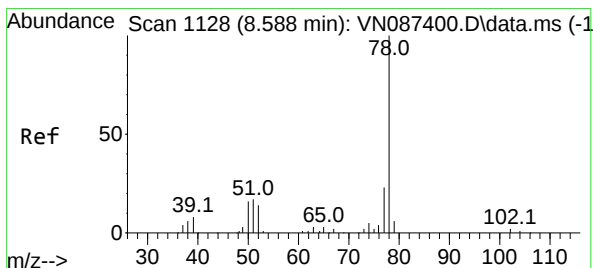
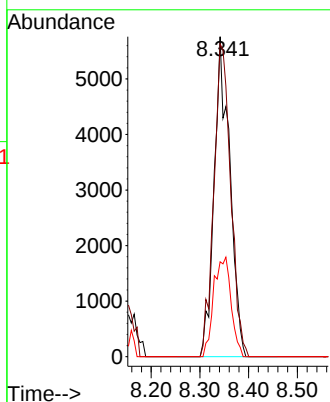
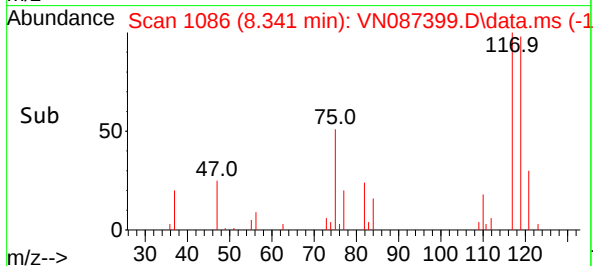
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



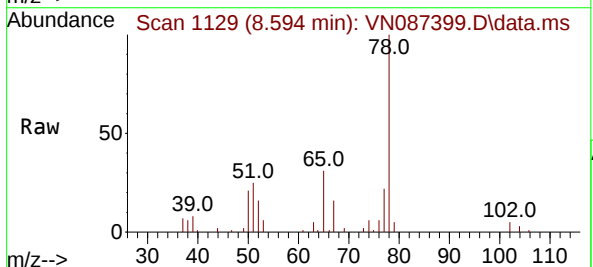
Tgt Ion:117 Resp: 12840
Ion Ratio Lower Upper
117 100
119 97.7 72.7 109.1
121 29.6 21.1 31.7

Manual Integrations
APPROVED

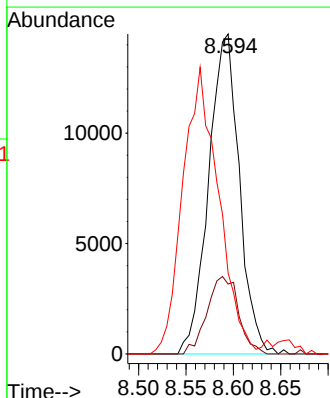
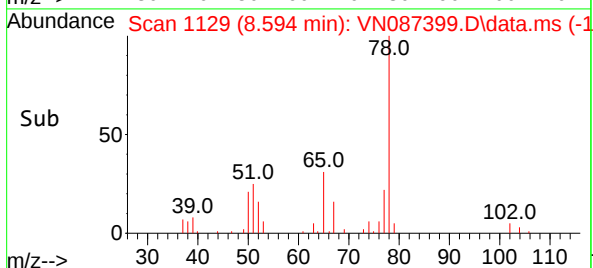
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

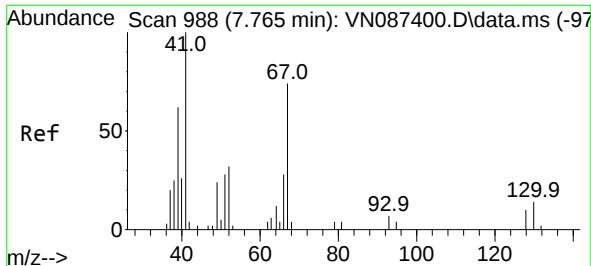


#34
Benzene
Concen: 4.291 ug/l
RT: 8.594 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08



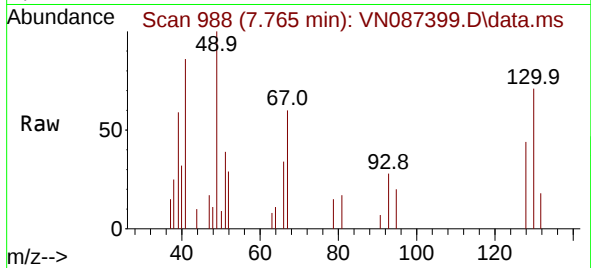
Tgt Ion: 78 Resp: 32650
Ion Ratio Lower Upper
78 100
77 21.8 18.2 27.2
51 21.6 13.8 20.8#





#35
Methacrylonitrile
Concen: 3.636 ug/l m
RT: 7.765 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

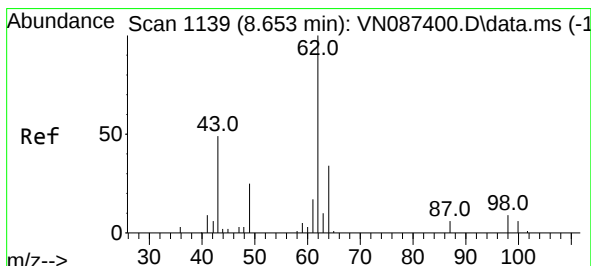
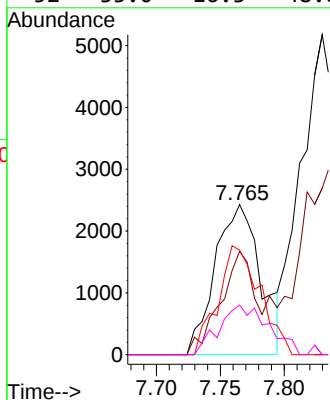
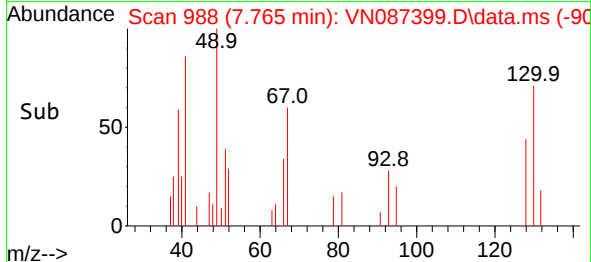
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



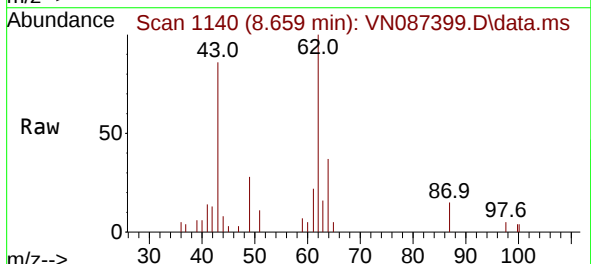
Tgt Ion: 41 Resp: 6034
Ion Ratio Lower Upper
41 100
39 68.8 31.0 93.0
67 69.6 36.8 110.3
52 33.0 16.3 48.8

Manual Integrations
APPROVED

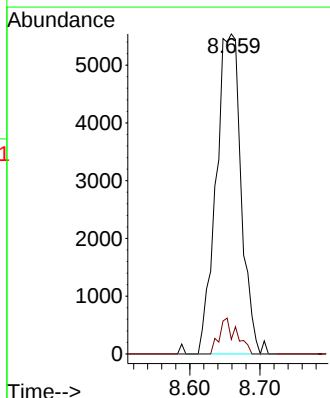
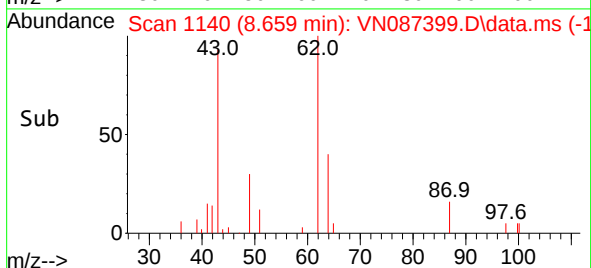
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

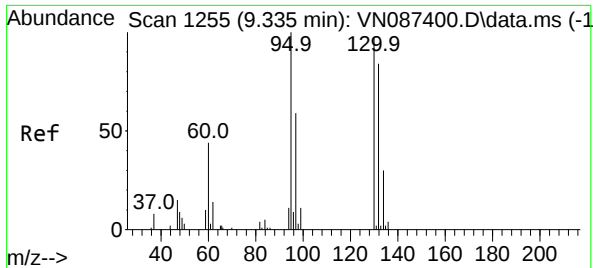


#36
1,2-Dichloroethane
Concen: 4.535 ug/l m
RT: 8.659 min Scan# 1140
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08



Tgt Ion: 62 Resp: 13794
Ion Ratio Lower Upper
62 100
98 4.9 6.6 9.8#





#37

Trichloroethene

Concen: 5.177 ug/l

RT: 9.330 min Scan# 1255

Delta R.T. -0.006 min

Lab File: VN087399.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:130 Resp: 9210

Ion Ratio Lower Upper

130 100

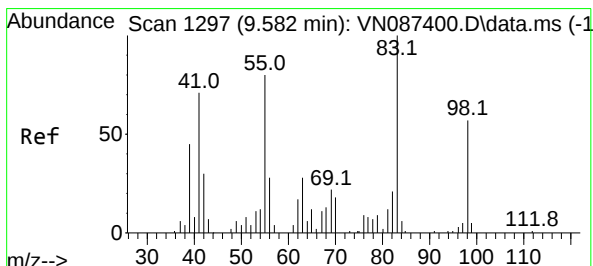
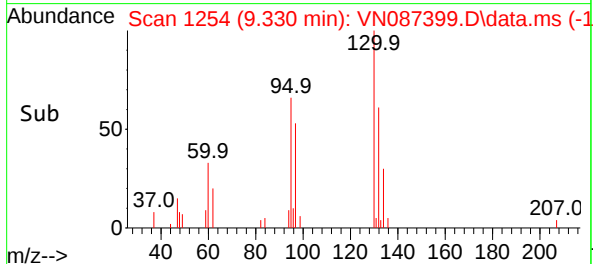
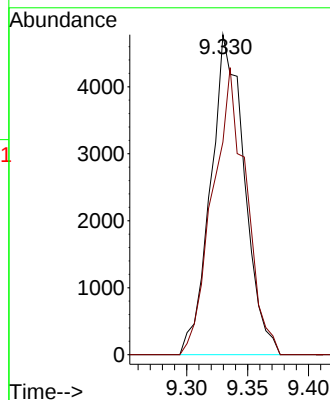
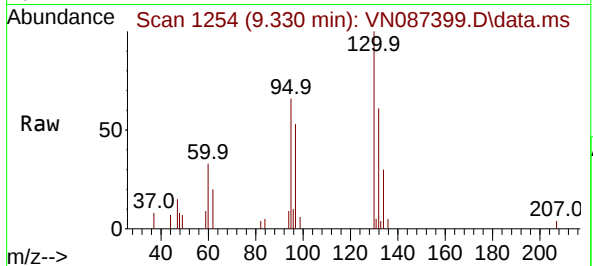
95 66.5 82.4 123.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#38

Methylcyclohexane

Concen: 3.951 ug/l

RT: 9.583 min Scan# 1297

Delta R.T. 0.000 min

Lab File: VN087399.D

Acq: 23 Jul 2025 10:08

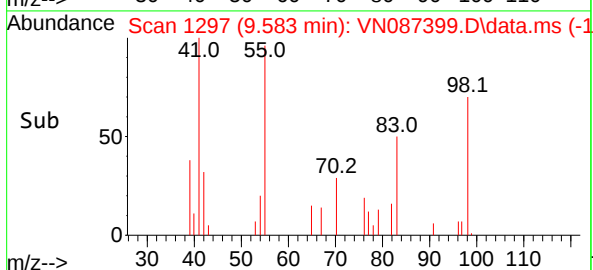
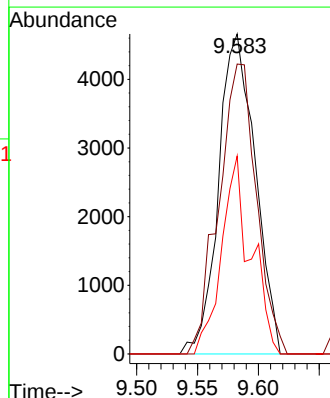
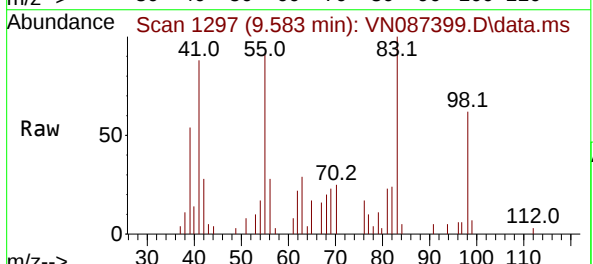
Tgt Ion: 83 Resp: 9758

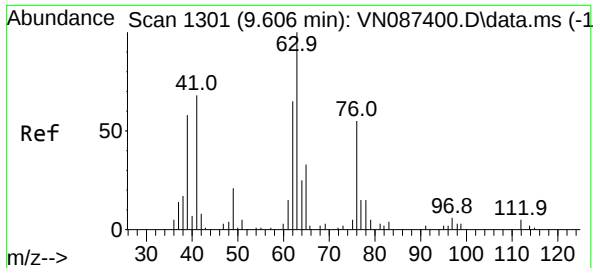
Ion Ratio Lower Upper

83 100

55 93.1 40.9 122.8

98 35.7 25.6 76.6





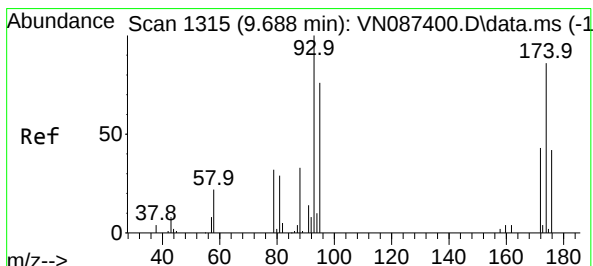
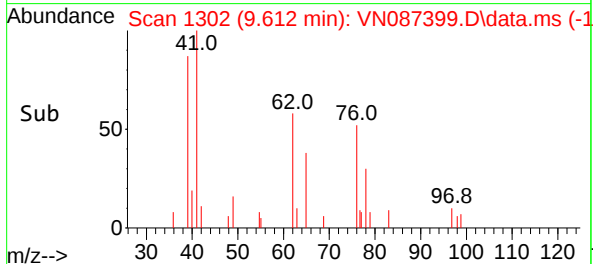
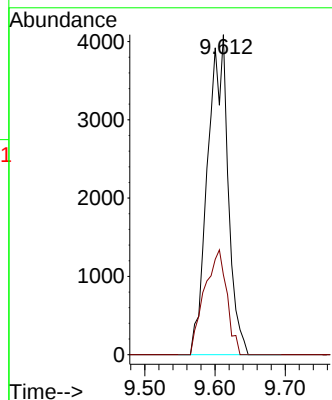
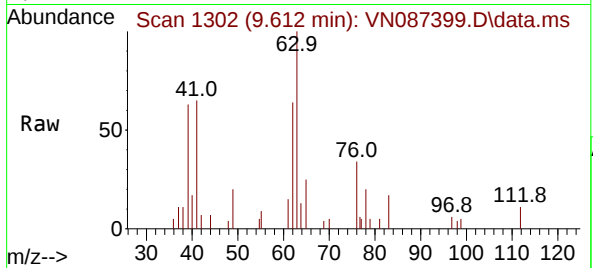
#39
1,2-Dichloropropane
Concen: 4.320 ug/l m
RT: 9.612 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 63 Resp: 825
Ion Ratio Lower Upper
63 100
65 24.9 26.1 39.1

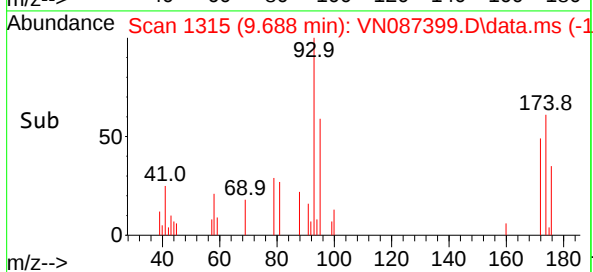
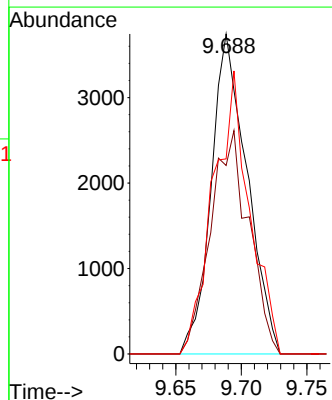
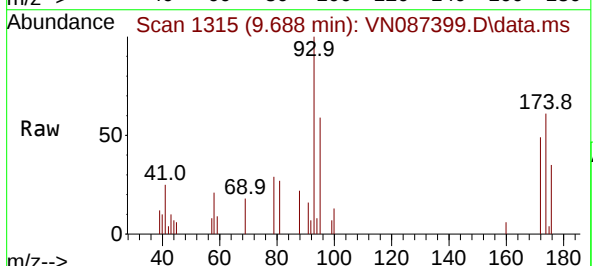
Manual Integrations
APPROVED

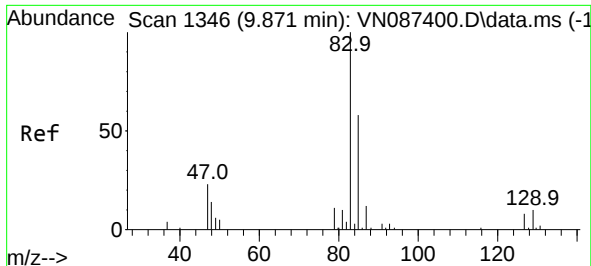
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#40
Dibromomethane
Concen: 4.710 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

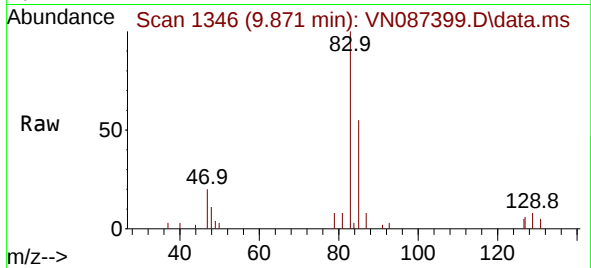
Tgt Ion: 93 Resp: 7108
Ion Ratio Lower Upper
93 100
95 74.9 0.0 161.8
174 59.6 0.0 177.6





#41
Bromodichloromethane
Concen: 4.685 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

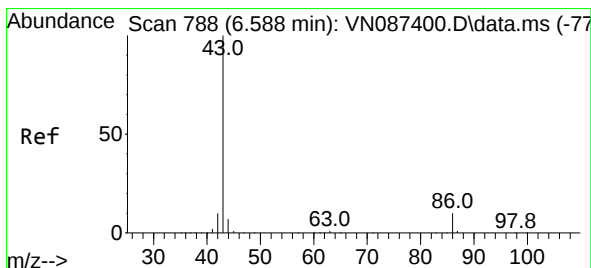
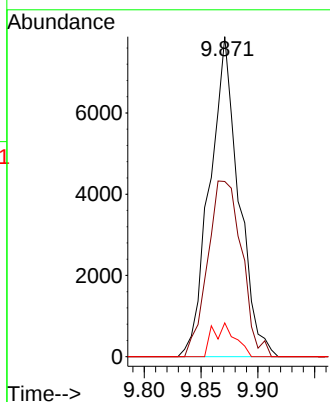
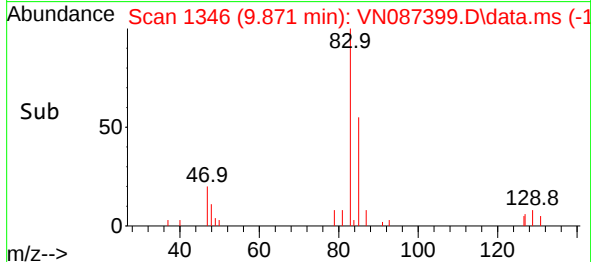
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



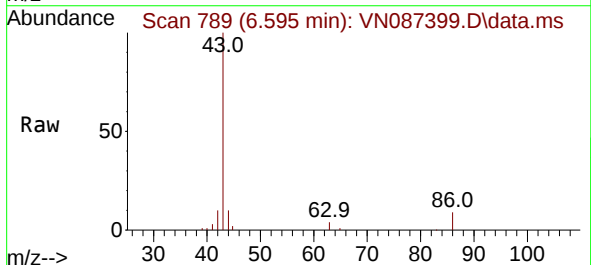
Tgt Ion: 83 Resp: 1399
Ion Ratio Lower Upper
83 100
85 54.7 46.2 69.2
127 10.6 6.1 9.1

Manual Integrations
APPROVED

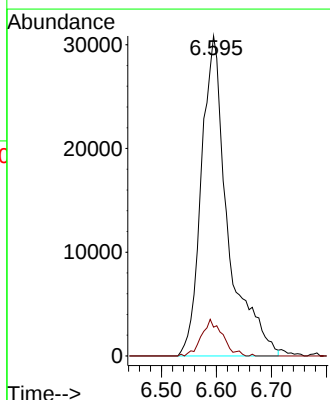
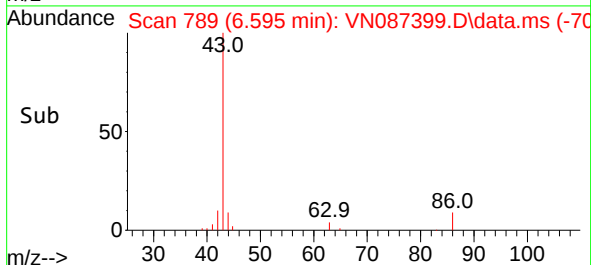
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

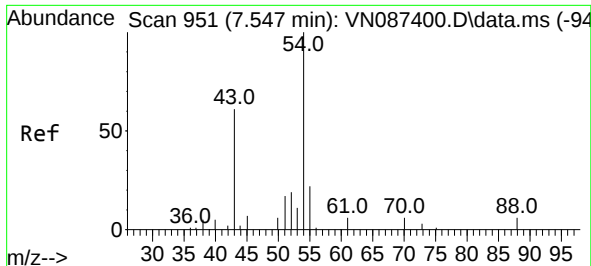


#42
Vinyl Acetate
Concen: 18.732 ug/l
RT: 6.595 min Scan# 789
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08



Tgt Ion: 43 Resp: 103034
Ion Ratio Lower Upper
43 100
86 8.7 8.1 12.1





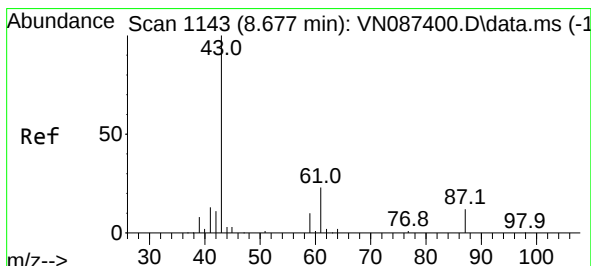
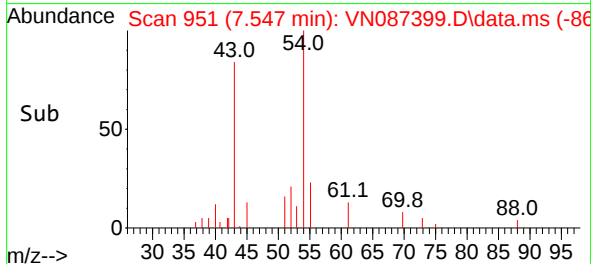
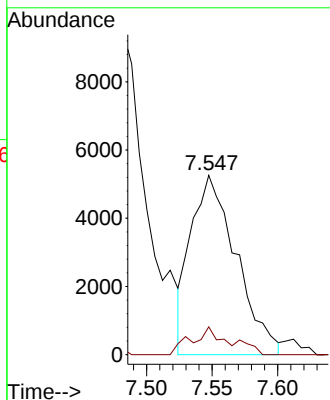
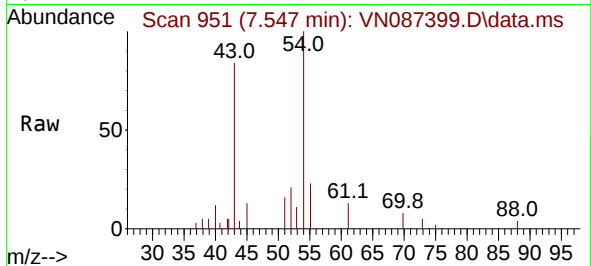
#43
Ethyl Acetate
Concen: 3.773 ug/l
RT: 7.547 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 12664
Ion Ratio Lower Upper
43 100
45 6.7 5.6 8.4

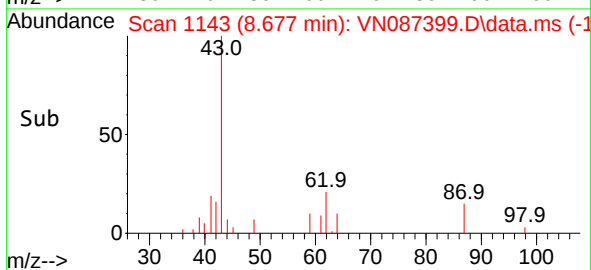
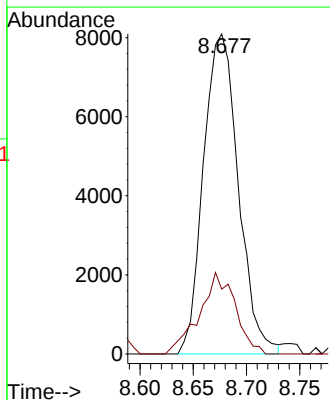
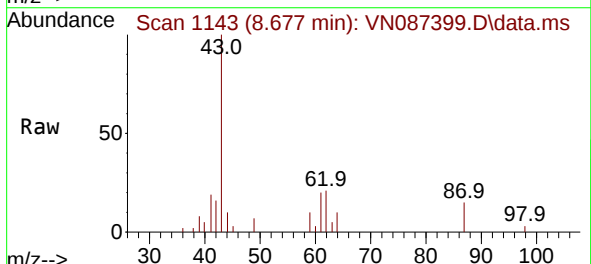
Manual Integrations
APPROVED

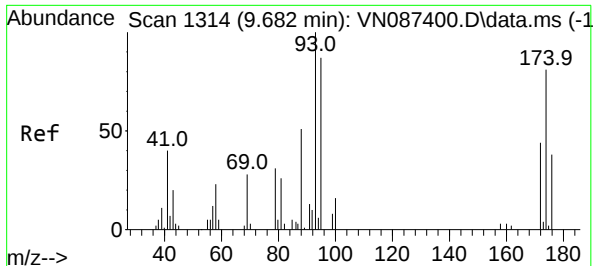
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#44
Isopropyl Acetate
Concen: 3.616 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 18453
Ion Ratio Lower Upper
43 100
61 26.0 20.1 30.1





#45

1,4-Dioxane

Concen: 70.208 ug/l

RT: 9.683 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VN087399.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 88 Resp: 219

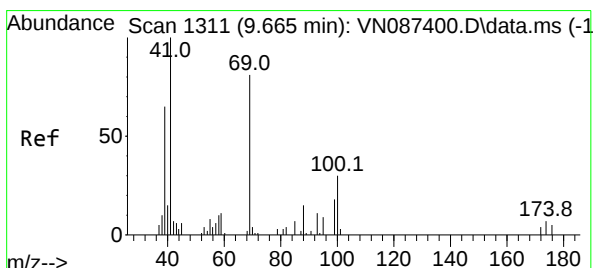
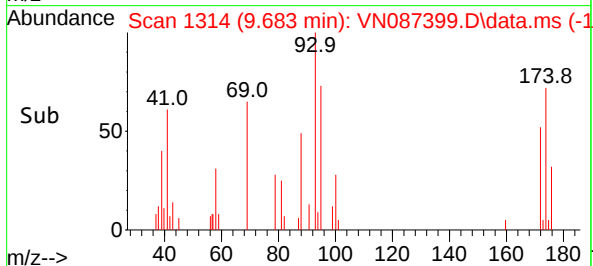
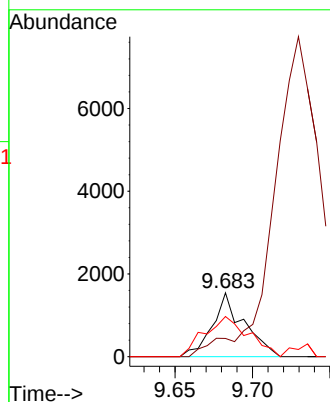
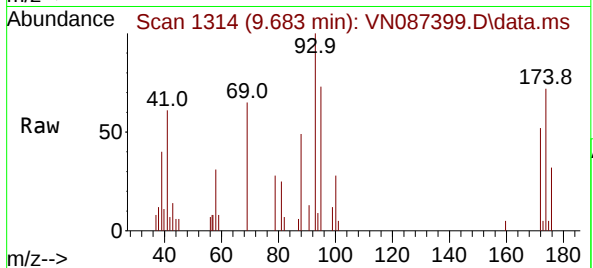
Ion	Ratio	Lower	Upper
88	100		
43	27.5	29.6	44.4
58	87.0	23.5	35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#46

Methyl methacrylate

Concen: 3.349 ug/l

RT: 9.665 min Scan# 1311

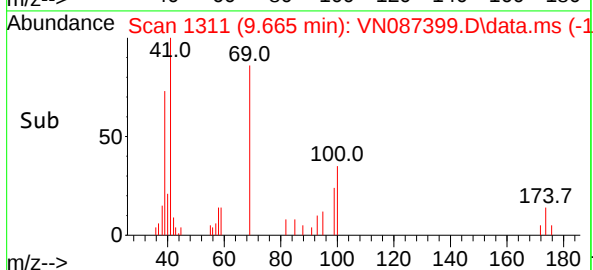
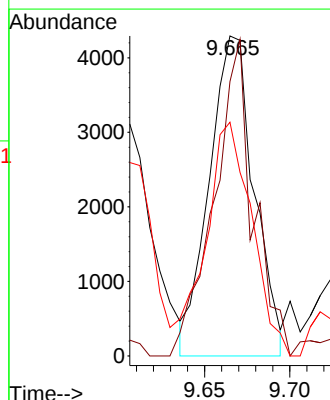
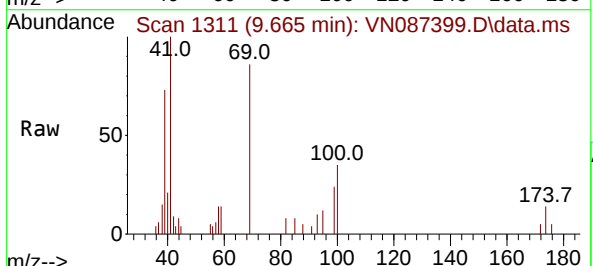
Delta R.T. 0.000 min

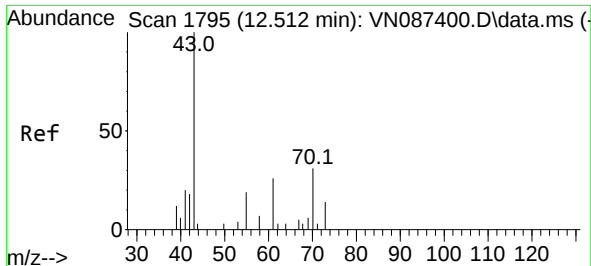
Lab File: VN087399.D

Acq: 23 Jul 2025 10:08

Tgt Ion: 41 Resp: 7848

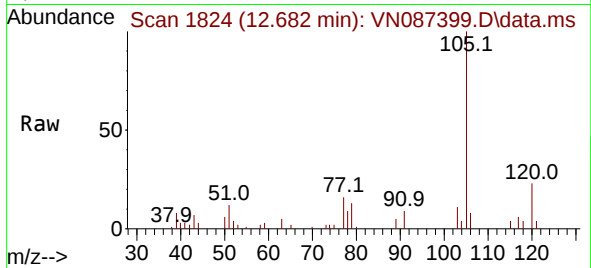
Ion	Ratio	Lower	Upper
41	100		
69	85.5	39.5	118.5
39	71.6	31.6	94.7





#47
n-amy1 Acetate
Concen: 4.222 ug/l m
RT: 12.682 min Scan# 1824
Delta R.T. 0.171 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

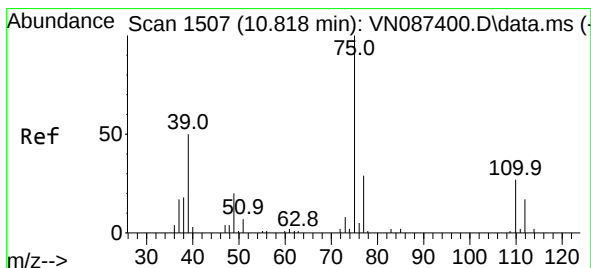
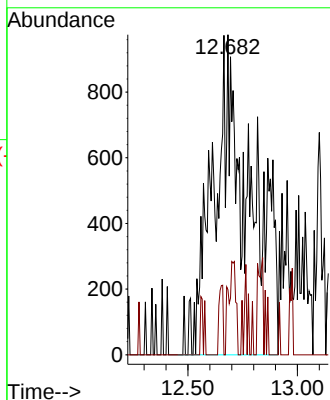
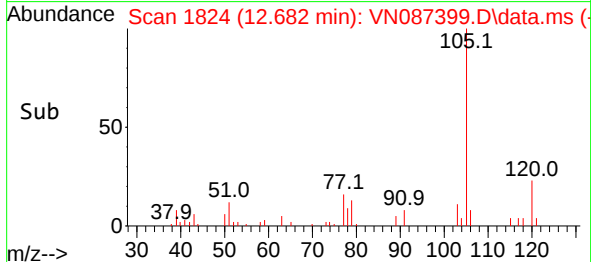
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 11124
Ion Ratio Lower Upper
43 100
55 0.0 0.6 0.8

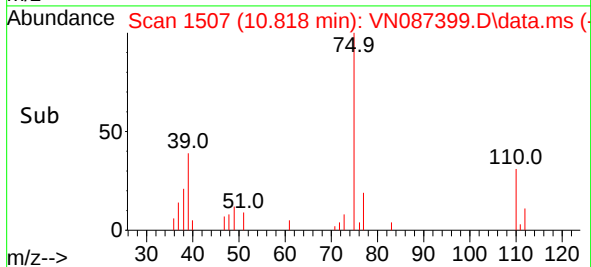
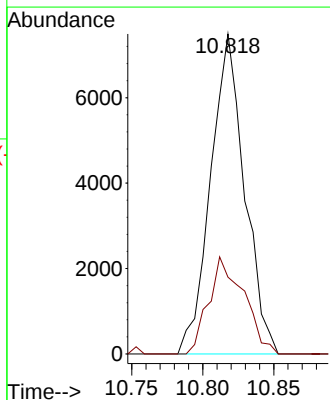
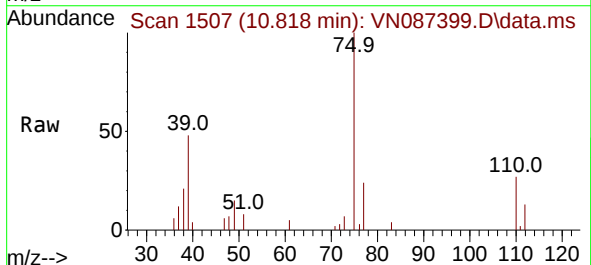
Manual Integrations
APPROVED

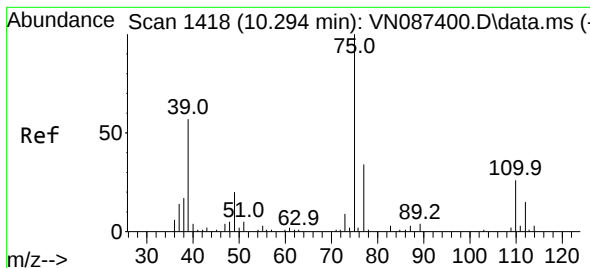
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#48
t-1,3-Dichloropropene
Concen: 3.962 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

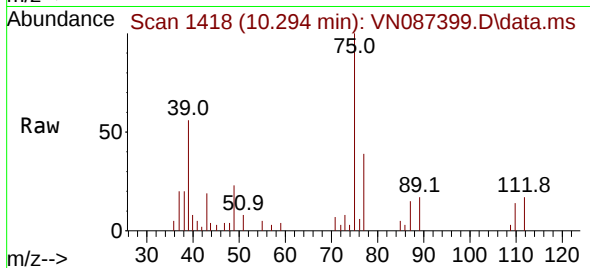
Tgt Ion: 75 Resp: 12463
Ion Ratio Lower Upper
75 100
77 24.0 23.6 35.4





#49
cis-1,3-Dichloropropene
Concen: 4.125 ug/l
RT: 10.294 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

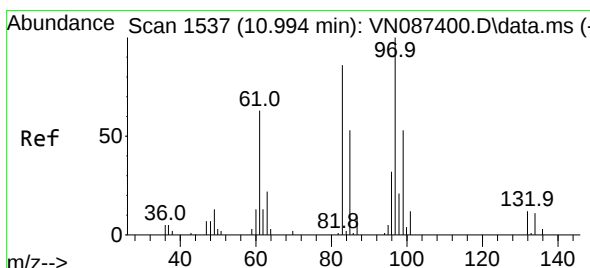
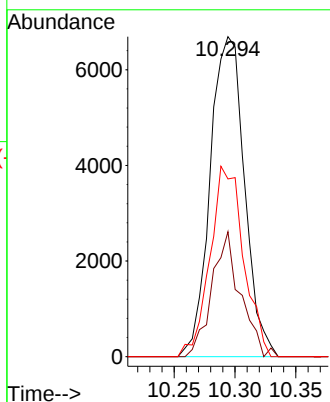
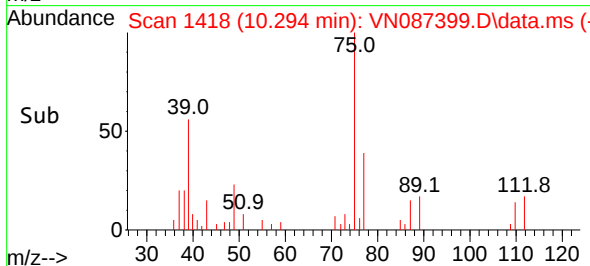
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 13118
Ion Ratio Lower Upper
75 100
77 39.1 27.4 41.0
39 55.5 46.3 69.5

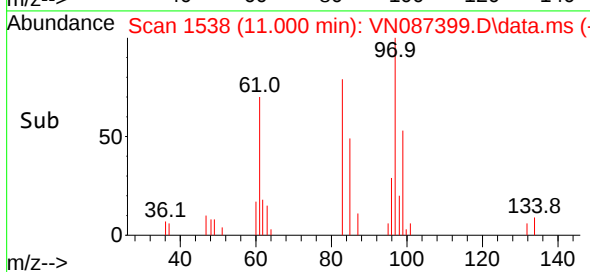
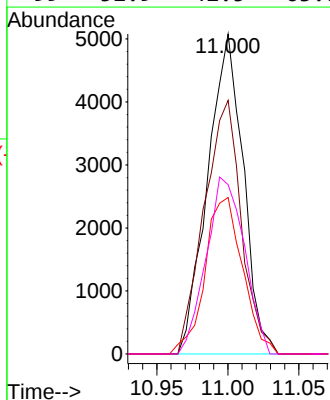
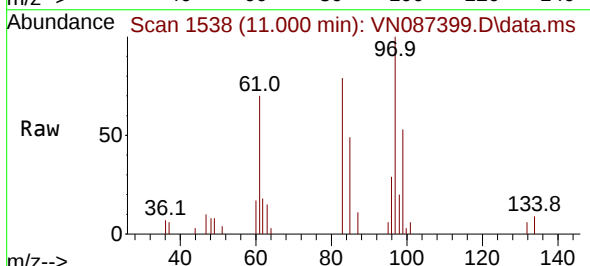
Manual Integrations
APPROVED

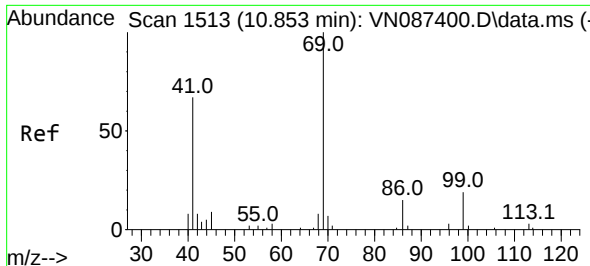
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#50
1,1,2-Trichloroethane
Concen: 4.559 ug/l
RT: 11.000 min Scan# 1538
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

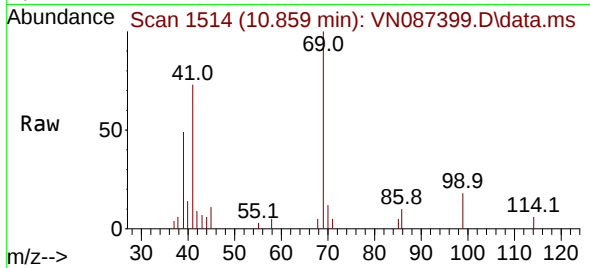
Tgt Ion: 97 Resp: 8820
Ion Ratio Lower Upper
97 100
83 79.2 68.9 103.3
85 48.9 42.2 63.2
99 52.9 42.5 63.7





#51
Ethyl methacrylate
Concen: 2.958 ug/l m
RT: 10.859 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

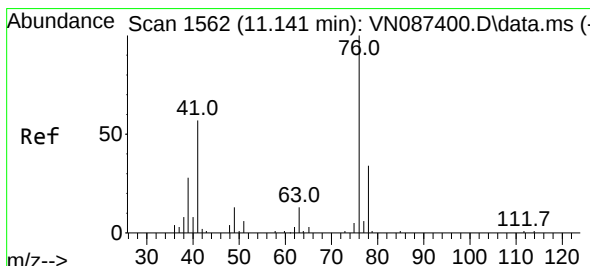
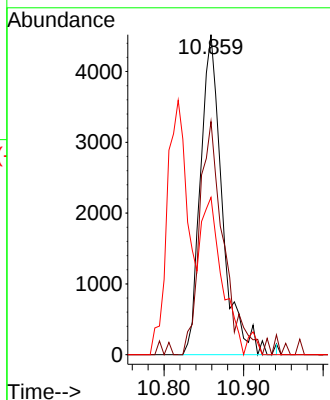
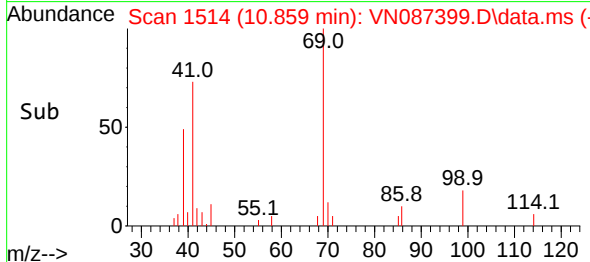
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 69 Resp: 8660
Ion Ratio Lower Upper
69 100
41 72.8 33.7 101.1
39 49.1 21.6 65.0

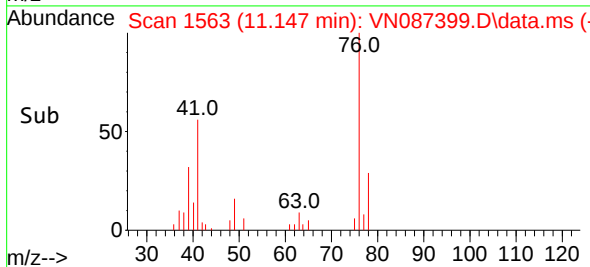
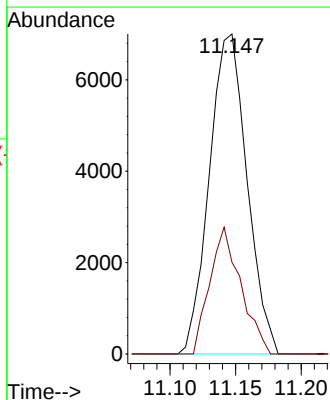
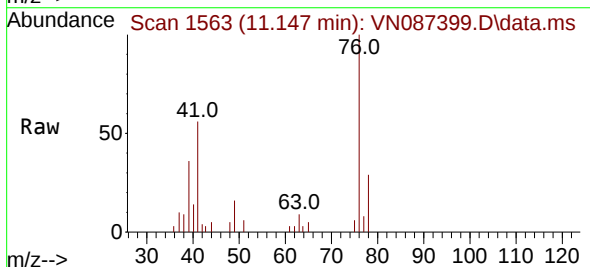
Manual Integrations
APPROVED

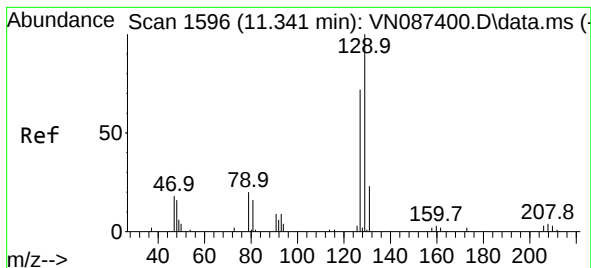
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#52
1,3-Dichloropropane
Concen: 4.270 ug/l
RT: 11.147 min Scan# 1563
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 76 Resp: 14008
Ion Ratio Lower Upper
76 100
78 32.6 0.0 67.4





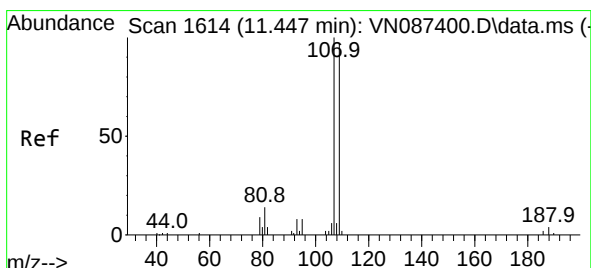
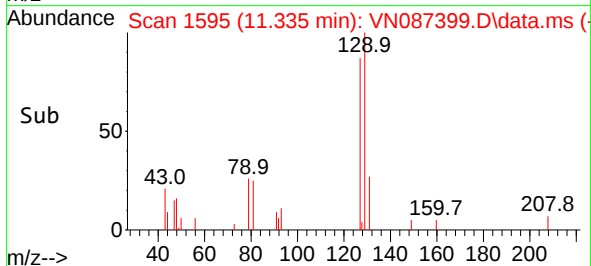
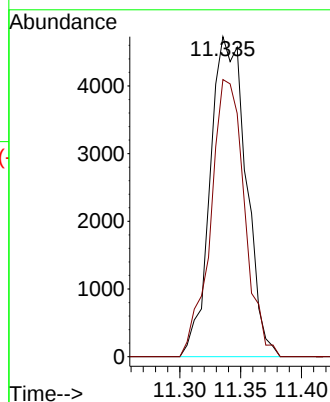
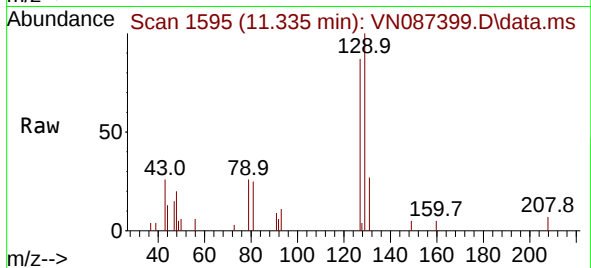
#53
Dibromochloromethane
Concen: 4.255 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. -0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:129 Resp: 967
Ion Ratio Lower Upper
129 100
127 81.9 38.7 116.1

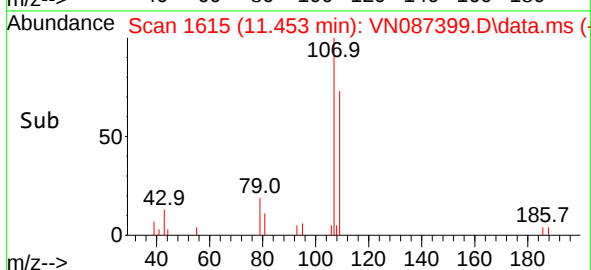
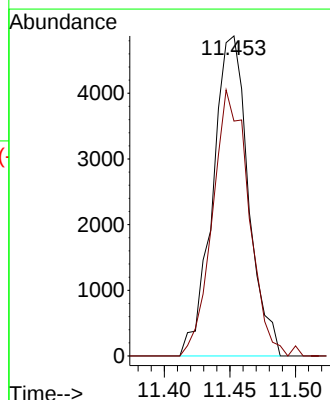
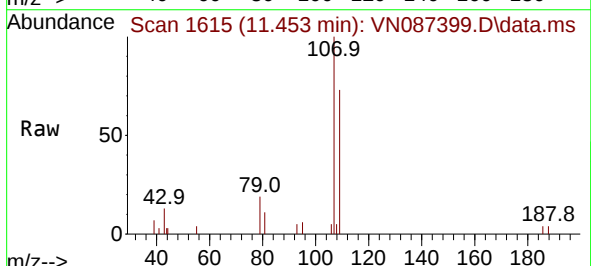
Manual Integrations
APPROVED

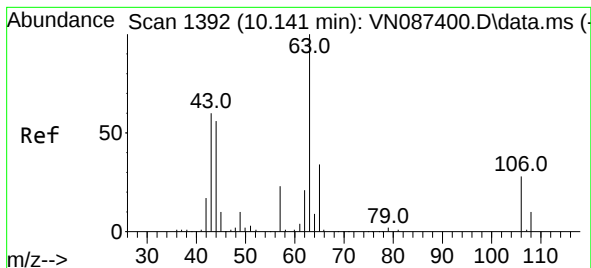
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#54
1,2-Dibromoethane
Concen: 4.554 ug/l
RT: 11.453 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Tgt Ion:107 Resp: 9221
Ion Ratio Lower Upper
107 100
109 84.1 74.6 112.0





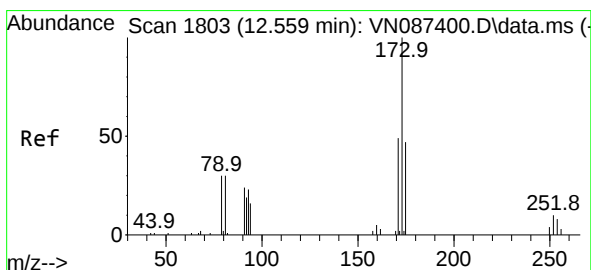
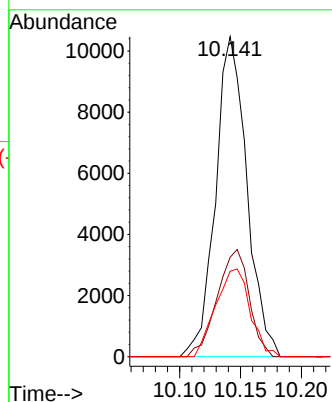
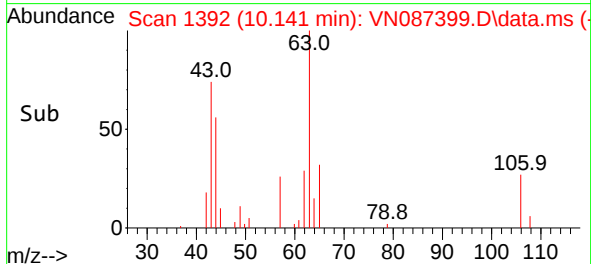
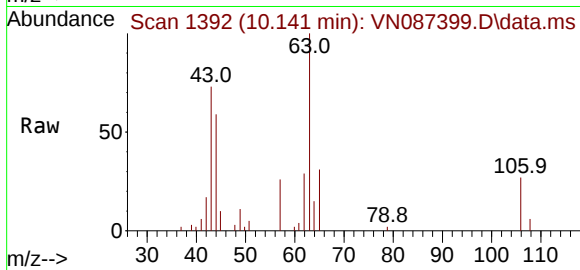
#55
2-Chloroethyl vinyl ether
Concen: 11.946 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 63 Resp: 1874
Ion Ratio Lower Upper
63 100
65 34.2 25.8 38.8
106 30.1 23.0 34.4

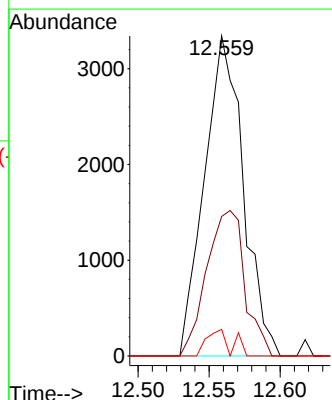
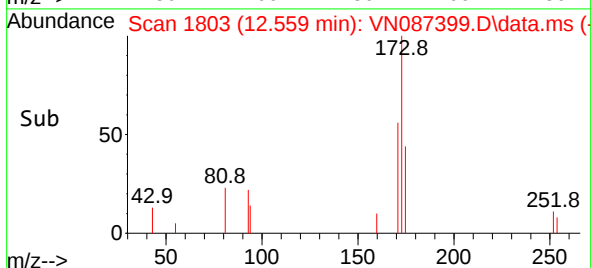
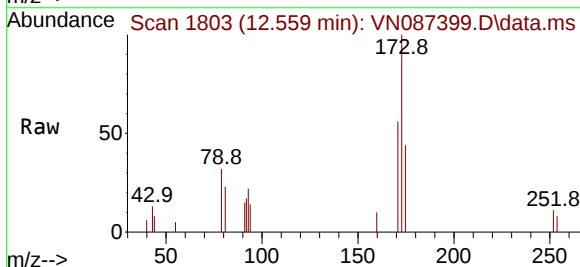
Manual Integrations
APPROVED

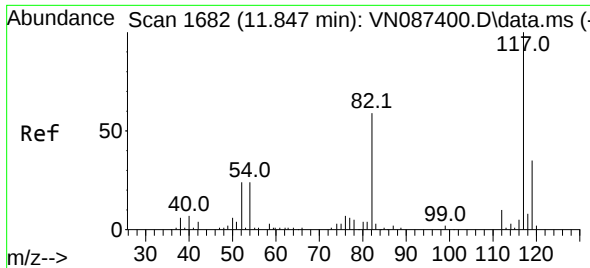
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#56
Bromoform
Concen: 3.957 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Tgt Ion:173 Resp: 6350
Ion Ratio Lower Upper
173 100
175 44.6 38.4 57.6
254 3.8 6.7 10.1#





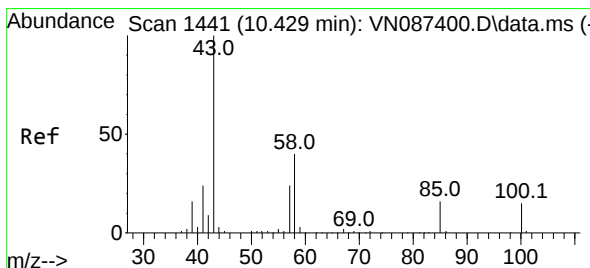
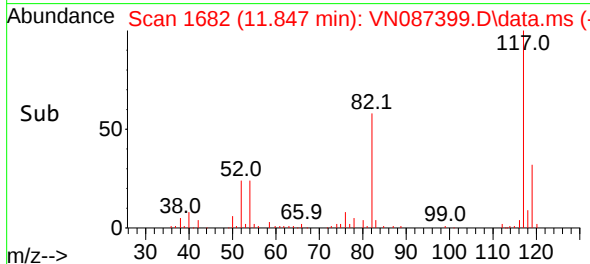
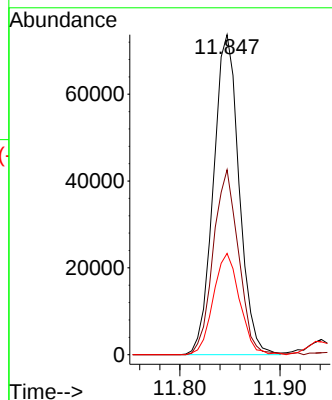
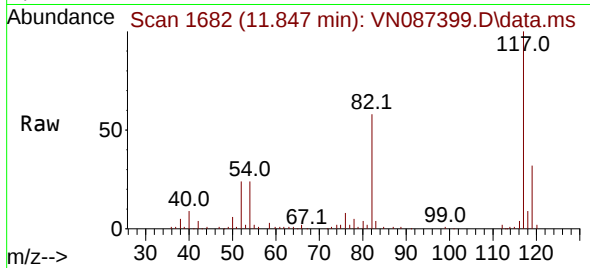
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 131168
Ion Ratio Lower Upper
117 100
82 57.0 44.1 66.1
119 32.4 25.4 38.2

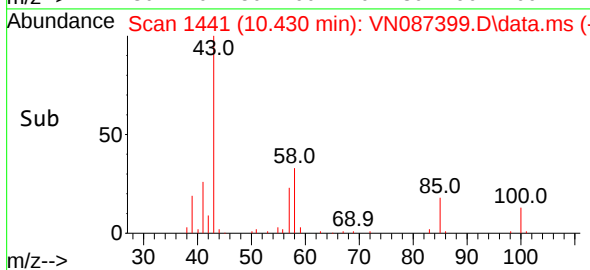
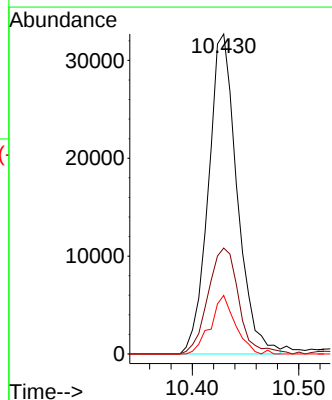
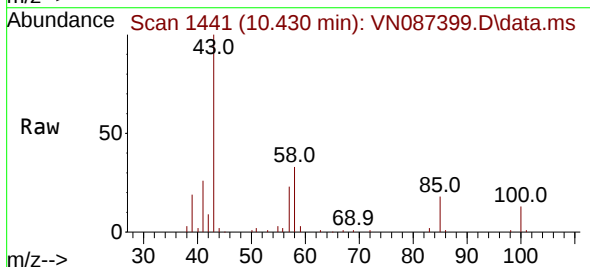
Manual Integrations
APPROVED

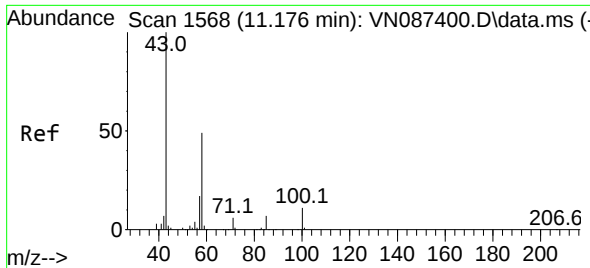
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#58
4-Methyl-2-Pentanone
Concen: 19.504 ug/l
RT: 10.430 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

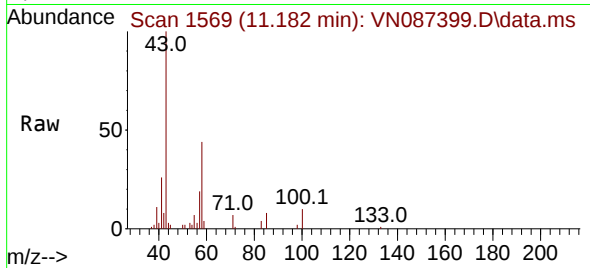
Tgt Ion: 43 Resp: 61300
Ion Ratio Lower Upper
43 100
58 35.3 29.5 44.3
85 15.7 13.3 19.9





#59
2-Hexanone
Concen: 16.683 ug/l
RT: 11.182 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

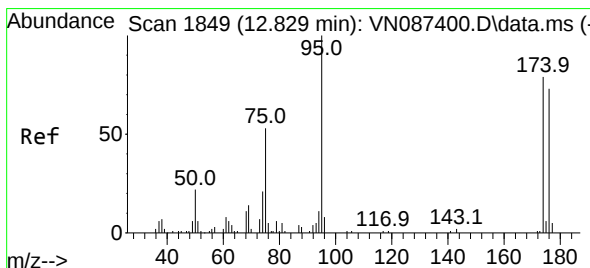
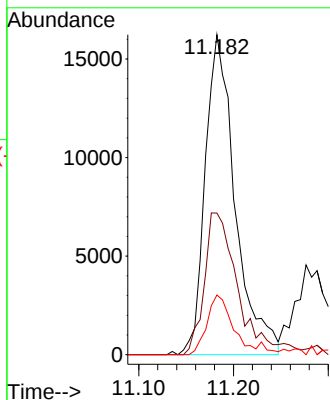
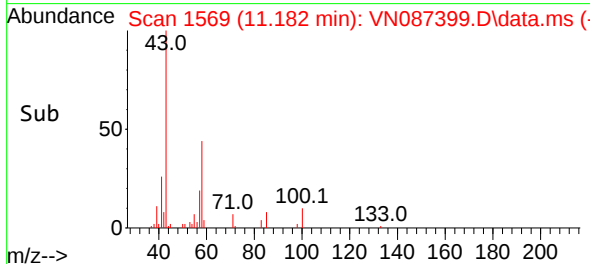
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 3566
Ion Ratio Lower Upper
43 100
58 45.3 40.5 60.7
57 15.8 14.0 21.0

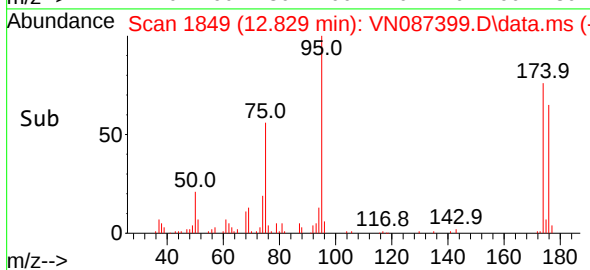
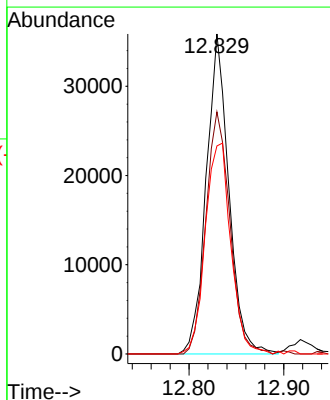
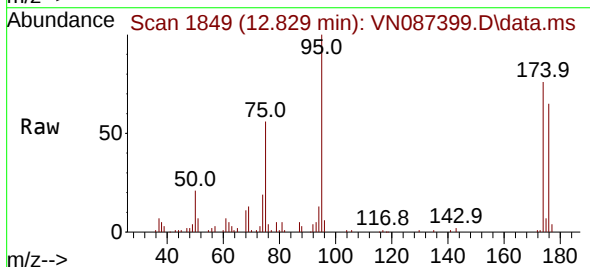
Manual Integrations
APPROVED

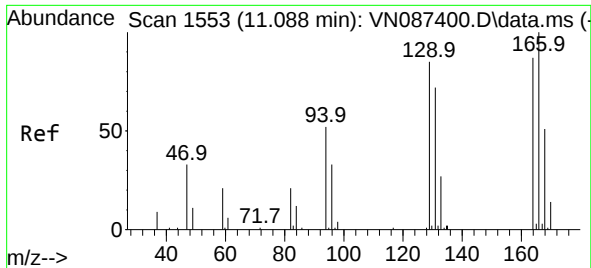
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#60
4-Bromofluorobenzene
Concen: 27.194 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

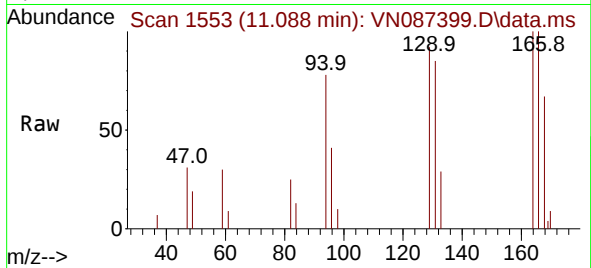
Tgt Ion: 95 Resp: 59476
Ion Ratio Lower Upper
95 100
174 80.4 62.1 93.1
176 74.3 57.9 86.9





#61
Tetrachloroethene
Concen: 5.290 ug/l
RT: 11.088 min Scan# 1553
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

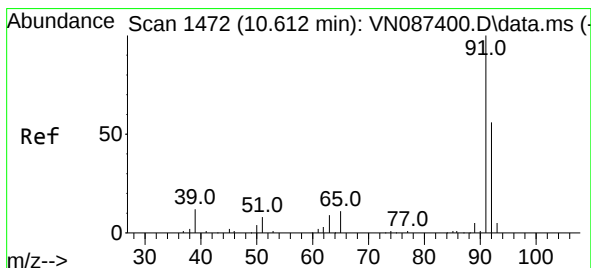
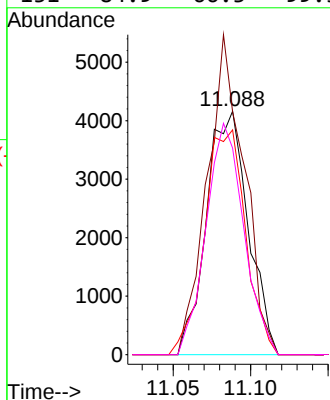
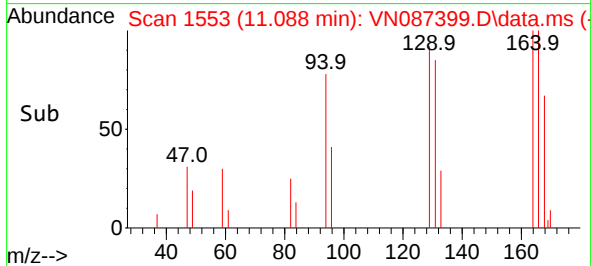
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



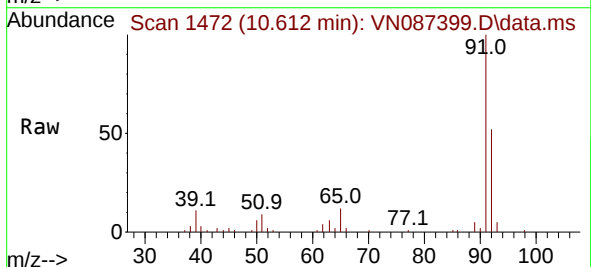
Tgt Ion:164 Resp: 7784
Ion Ratio Lower Upper
164 100
166 99.8 91.7 137.5
129 92.3 77.8 116.6
131 84.9 66.3 99.5

Manual Integrations
APPROVED

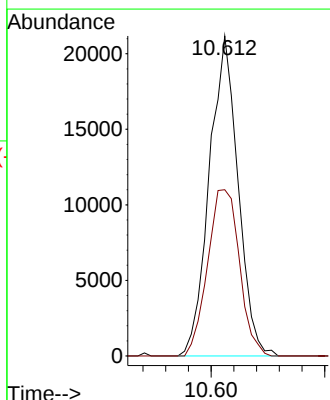
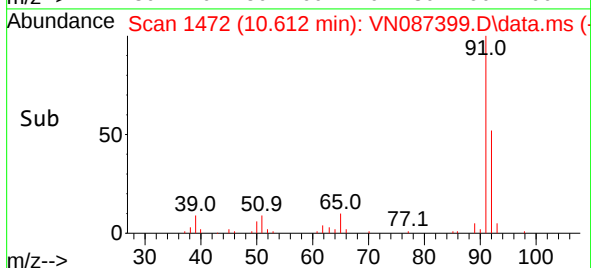
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

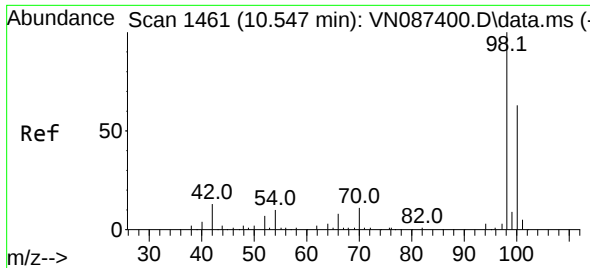


#62
Toluene
Concen: 4.699 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08



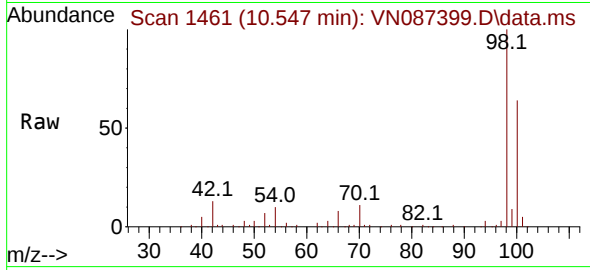
Tgt Ion: 91 Resp: 37164
Ion Ratio Lower Upper
91 100
92 57.6 47.4 71.0





#63
Toluene-d8
Concen: 32.040 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

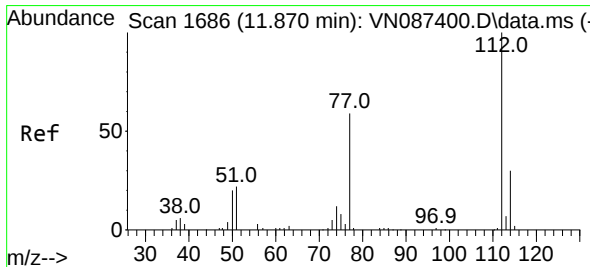
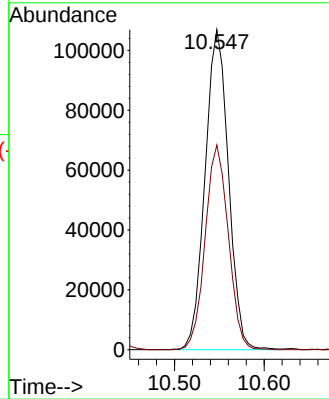
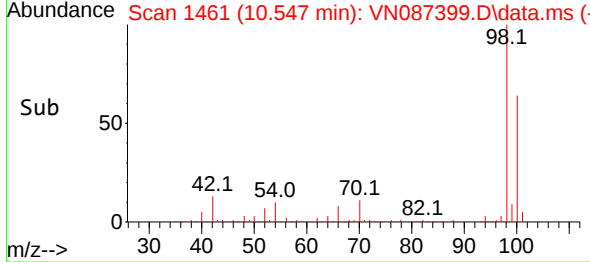
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



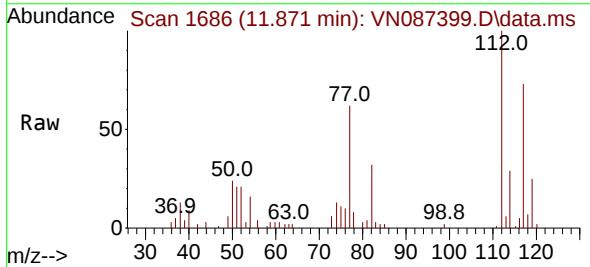
Tgt Ion: 98 Resp: 19349
Ion Ratio Lower Upper
98 100
100 63.4 51.1 76.7

Manual Integrations
APPROVED

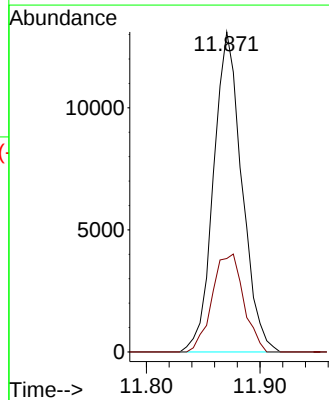
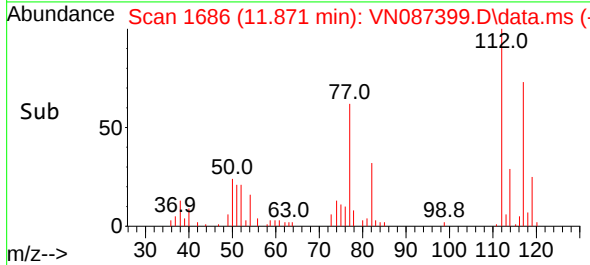
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

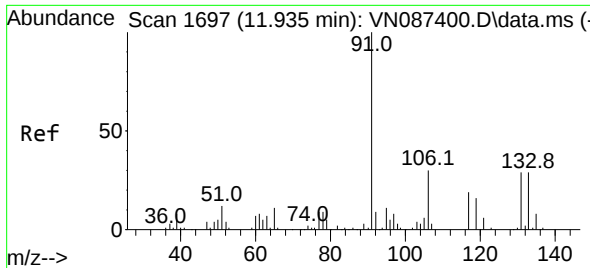


#64
Chlorobenzene
Concen: 4.550 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08



Tgt Ion:112 Resp: 22760
Ion Ratio Lower Upper
112 100
114 29.2 24.0 36.0





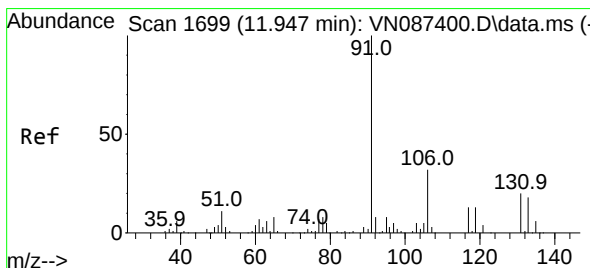
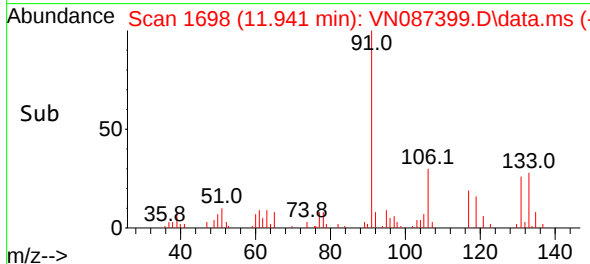
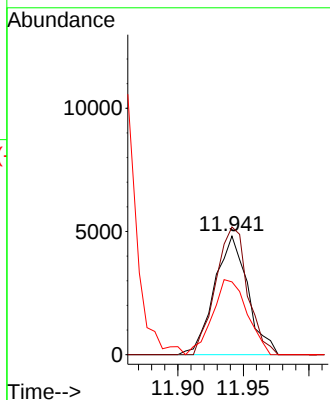
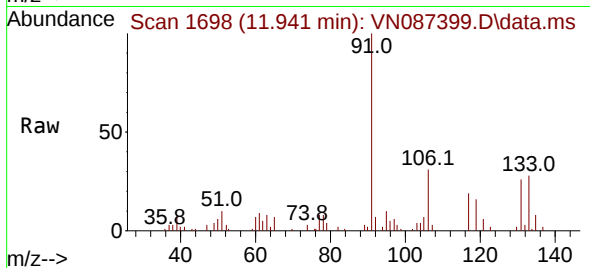
#65
1,1,1,2-Tetrachloroethane
Concen: 4.634 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:131 Resp: 852
Ion Ratio Lower Upper
131 100
133 103.1 0.0 193.0
119 65.6 0.0 128.2

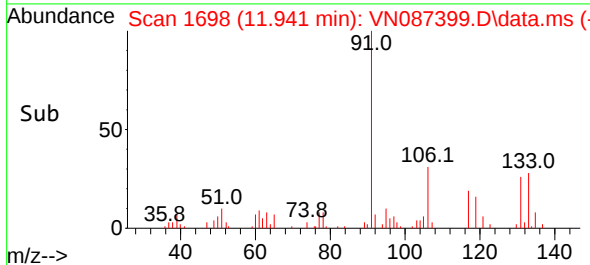
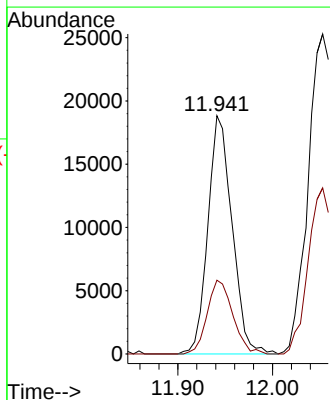
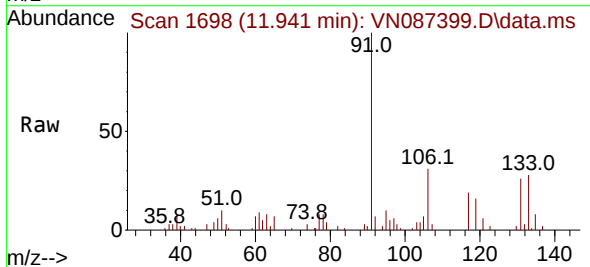
Manual Integrations
APPROVED

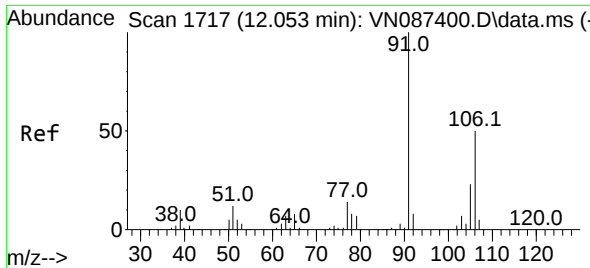
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#66
Ethyl Benzene
Concen: 3.963 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 33452
Ion Ratio Lower Upper
91 100
106 31.0 25.8 38.6





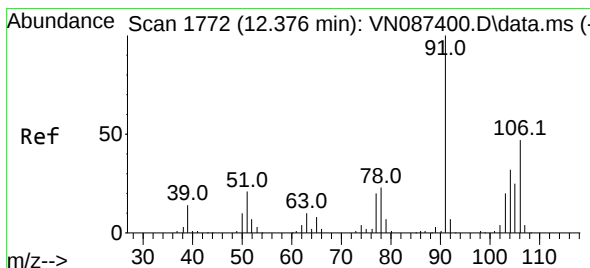
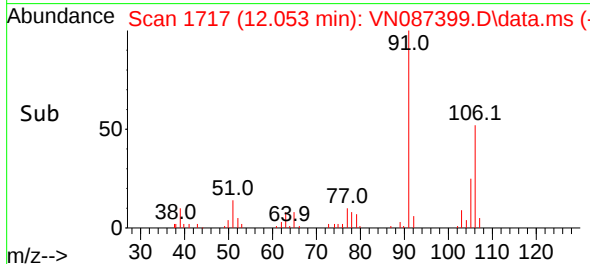
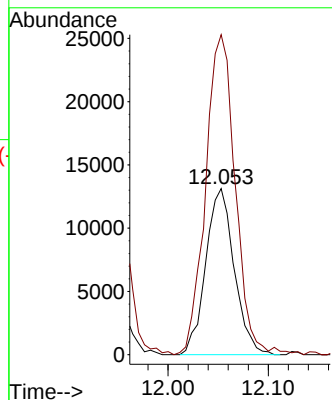
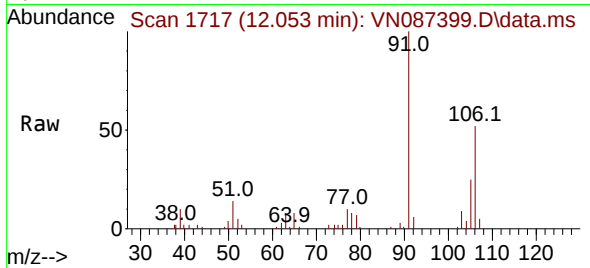
#67
m/p-Xylenes
Concen: 7.681 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 25909
Ion Ratio Lower Upper
106 100
91 199.0 163.4 245.2

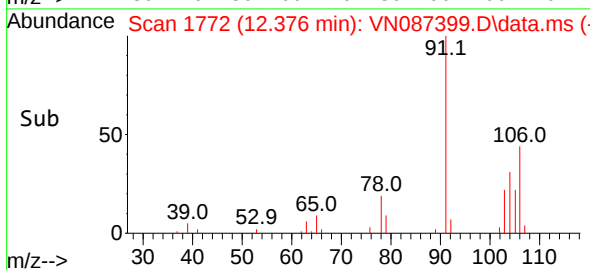
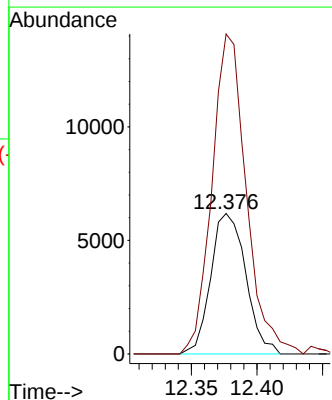
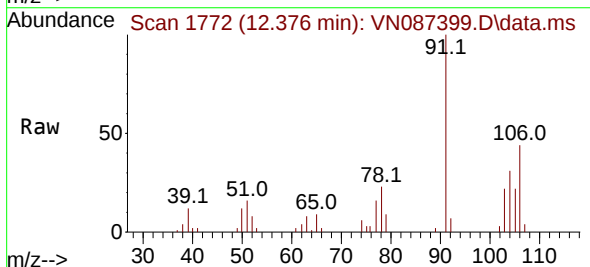
Manual Integrations
APPROVED

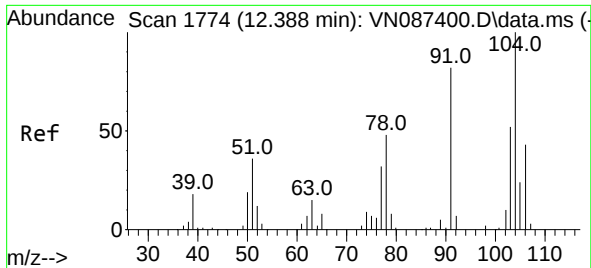
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#68
o-Xylene
Concen: 3.630 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

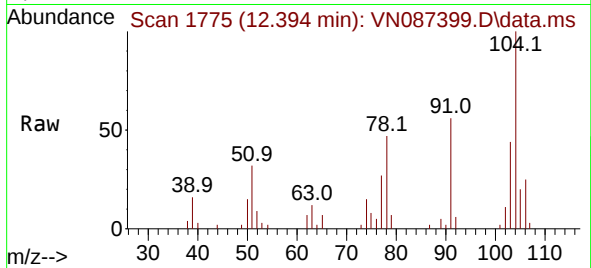
Tgt Ion:106 Resp: 11477
Ion Ratio Lower Upper
106 100
91 222.7 106.6 319.8





#69
Styrene
Concen: 3.394 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

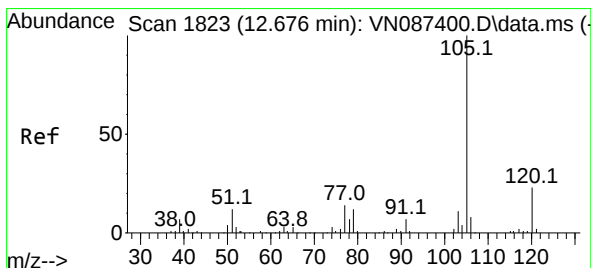
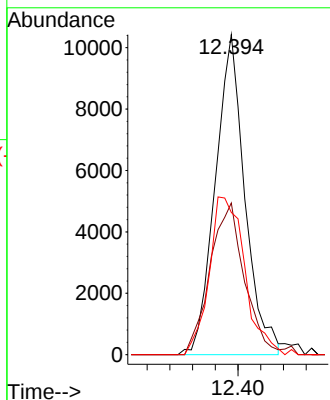
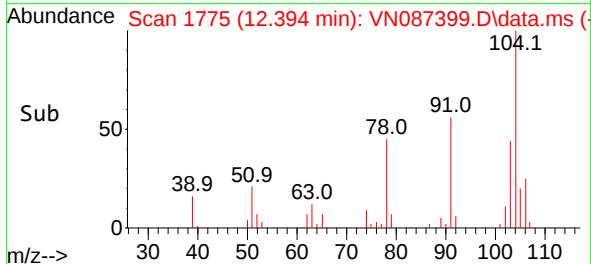
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



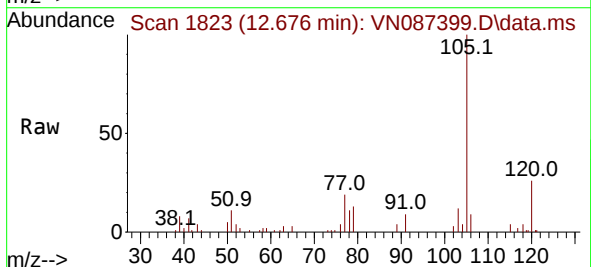
Tgt Ion:104 Resp: 18874
Ion Ratio Lower Upper
104 100
78 54.9 40.7 61.1
103 58.7 43.4 65.2

Manual Integrations
APPROVED

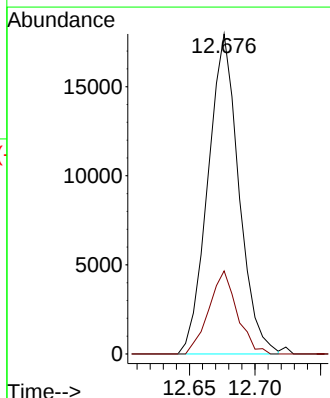
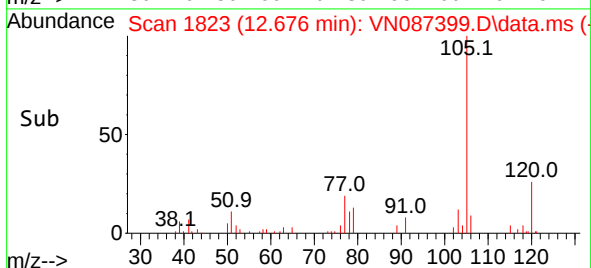
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

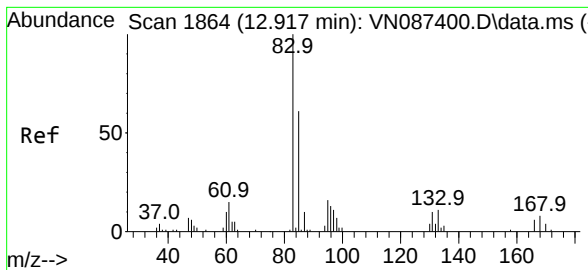


#70
Isopropylbenzene
Concen: 3.635 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08



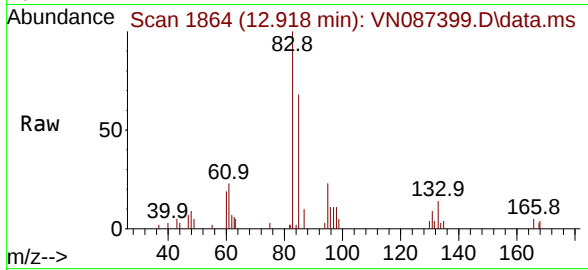
Tgt Ion:105 Resp: 29462
Ion Ratio Lower Upper
105 100
120 23.7 17.6 32.6





#71
1,1,2,2-Tetrachloroethane
Concen: 4.560 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

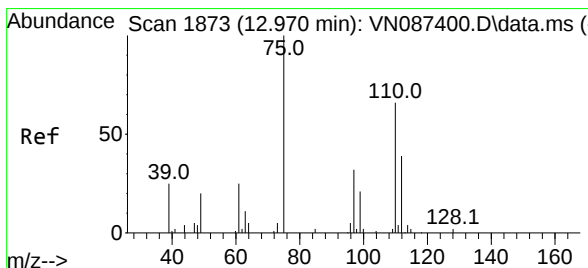
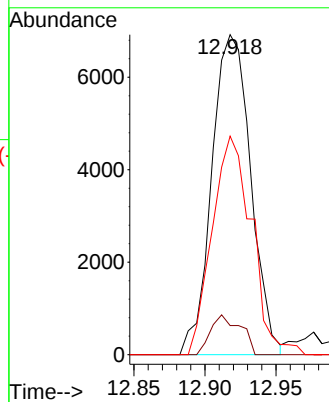
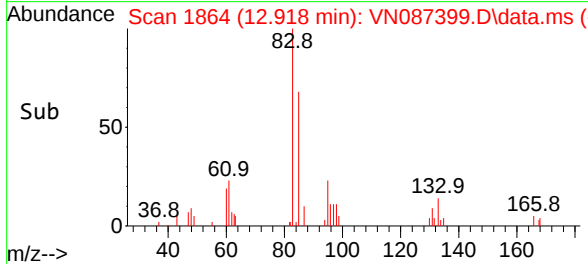
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 83 Resp: 13210
Ion Ratio Lower Upper
83 100
131 6.4 4.6 13.8
85 68.8 30.6 91.6

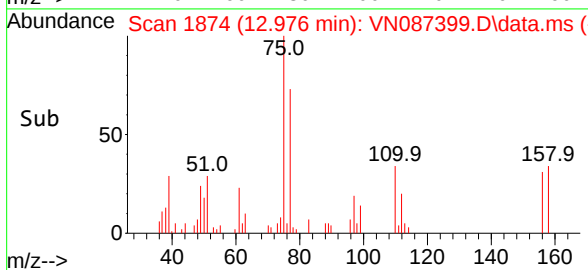
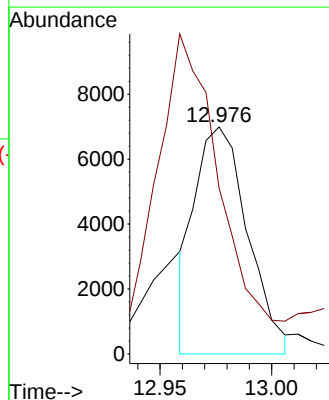
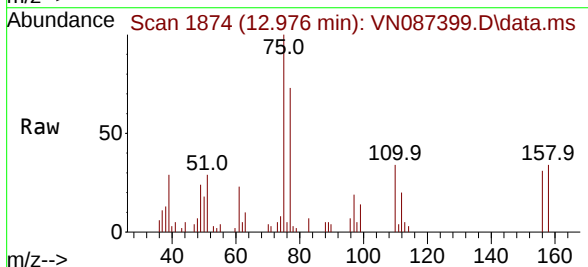
Manual Integrations
APPROVED

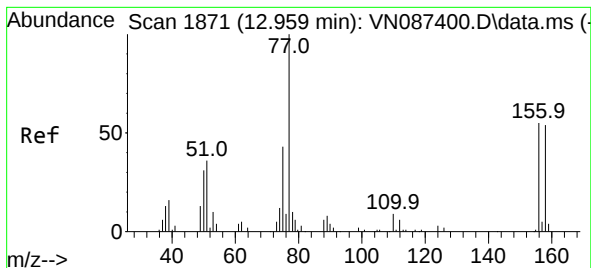
Reviewed By :John Carbone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#72
1,2,3-Trichloropropane
Concen: 3.125 ug/l m
RT: 12.976 min Scan# 1874
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 75 Resp: 11468
Ion Ratio Lower Upper
75 100
77 176.0 0.0 361.2





#73

Bromobenzene

Concen: 4.108 ug/l

RT: 12.965 min Scan# 1871

Delta R.T. 0.006 min

Lab File: VN087399.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

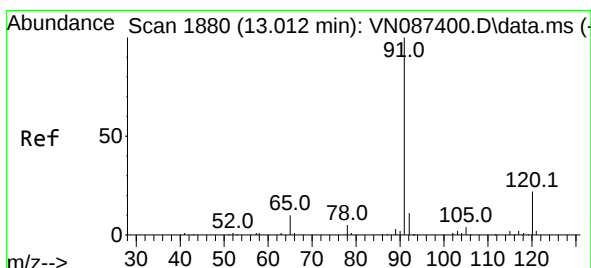
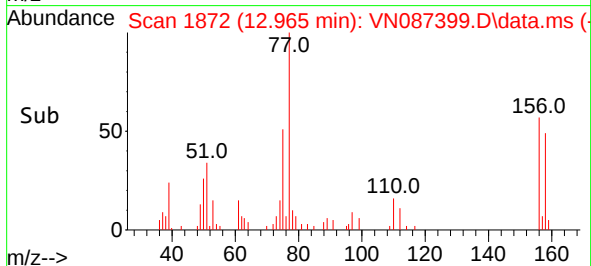
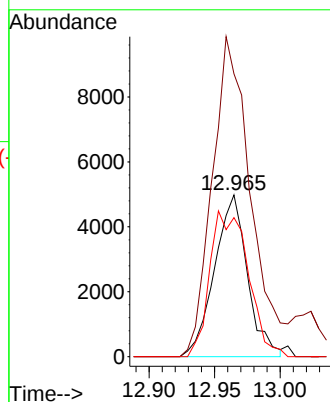
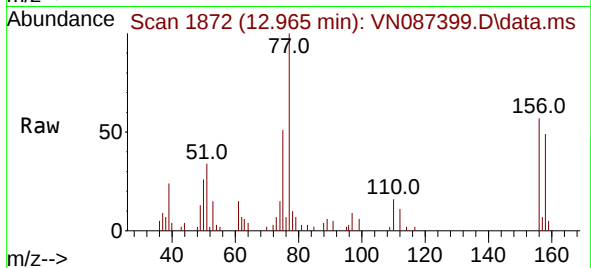
Tgt Ion:	156	Resp:	868
Ion Ratio	Lower	Upper	
156	100		
77	232.5	0.0	440.6
158	51.9	0.0	195.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#74

n-propylbenzene

Concen: 3.893 ug/l

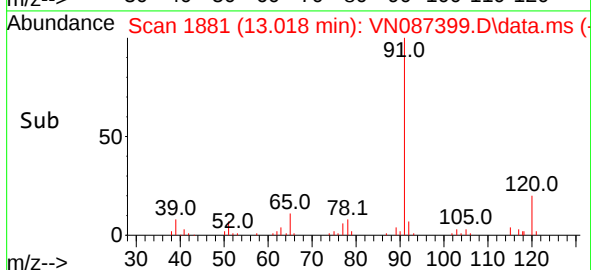
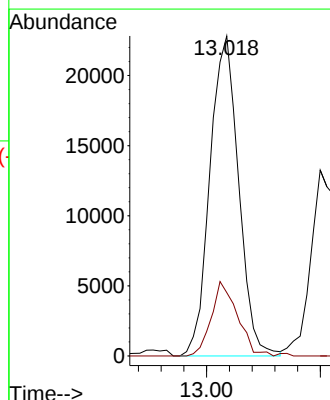
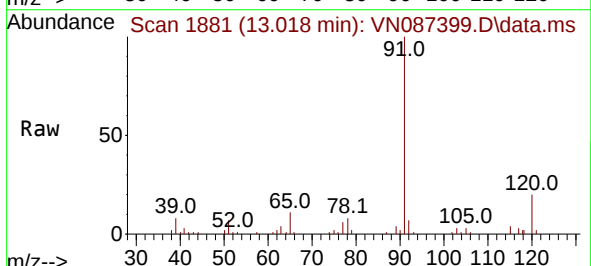
RT: 13.018 min Scan# 1881

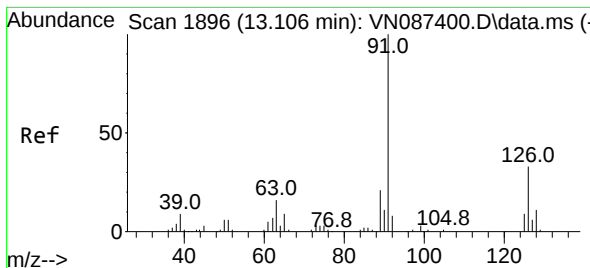
Delta R.T. 0.006 min

Lab File: VN087399.D

Acq: 23 Jul 2025 10:08

Tgt Ion:	91	Resp:	40102
Ion Ratio	Lower	Upper	
91	100		
120	20.6	0.0	44.6





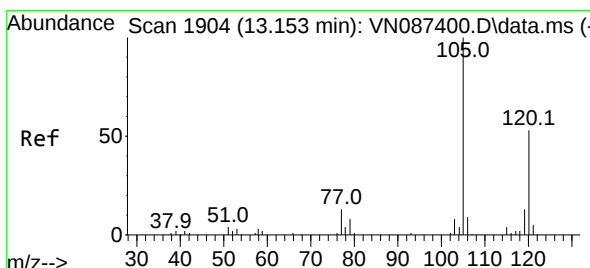
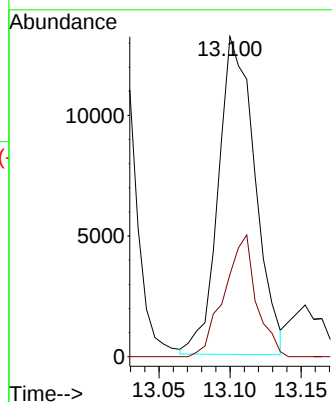
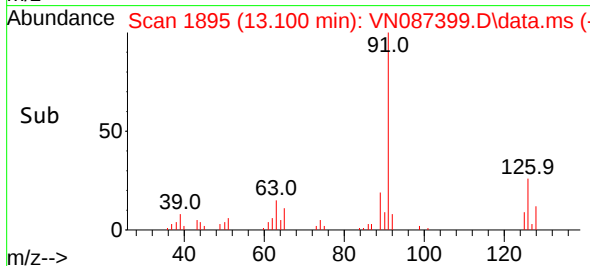
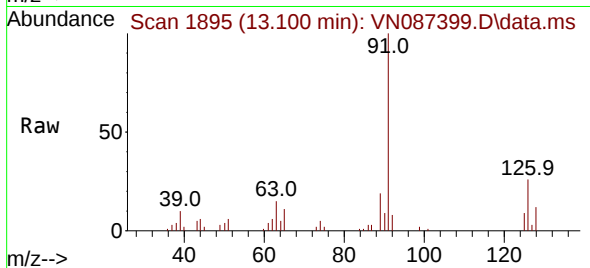
#75
2-Chlorotoluene
Concen: 3.888 ug/l
RT: 13.100 min Scan# 1896
Delta R.T. -0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 2364
Ion Ratio Lower Upper
91 100
126 33.5 0.0 65.4

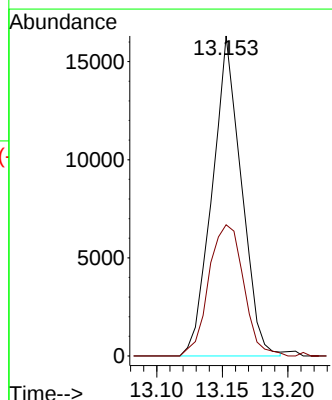
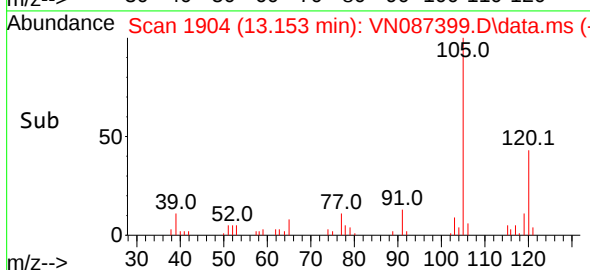
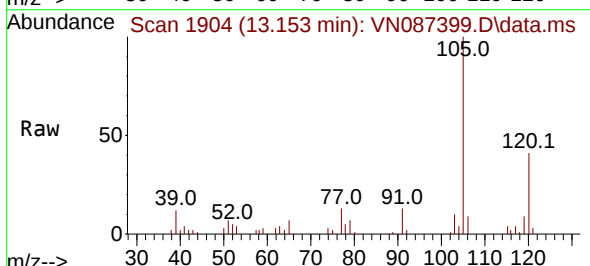
Manual Integrations
APPROVED

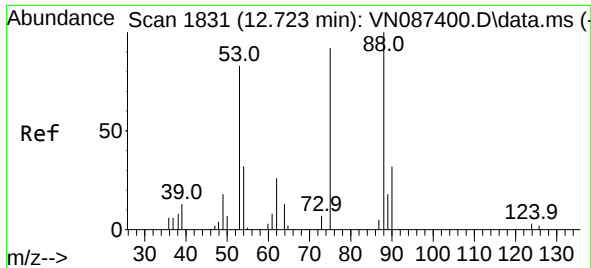
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#76
1,3,5-Trimethylbenzene
Concen: 3.589 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

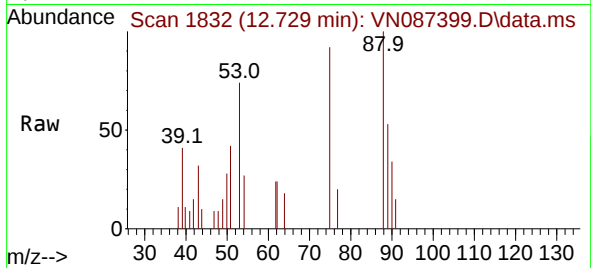
Tgt Ion:105 Resp: 25169
Ion Ratio Lower Upper
105 100
120 49.0 0.0 97.4





#77
t-1,4-Dichloro-2-butene
Concen: 3.003 ug/l
RT: 12.729 min Scan# 1831
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

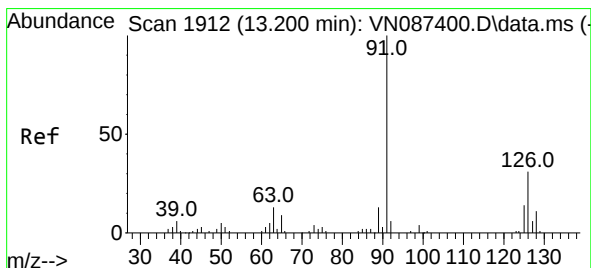
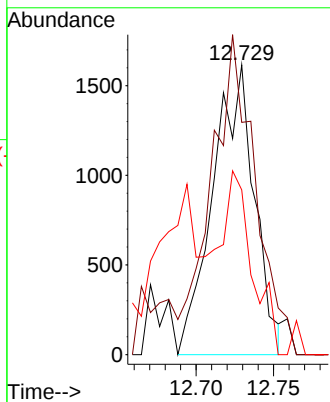
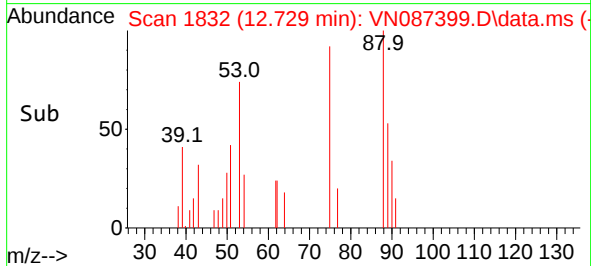
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 3010
Ion Ratio Lower Upper
75 100
53 68.1 44.0 131.8
89 56.9 17.0 50.9

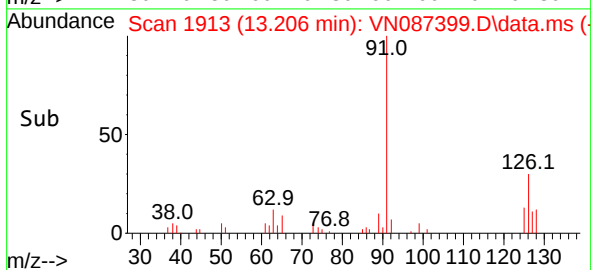
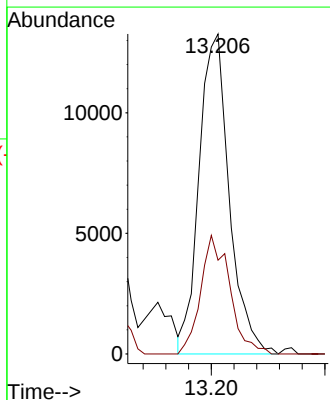
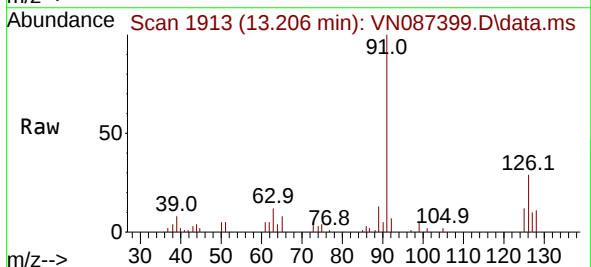
Manual Integrations
APPROVED

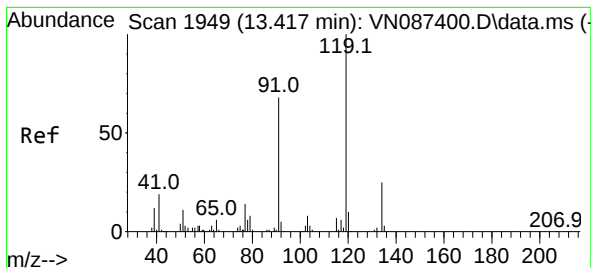
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#78
4-Chlorotoluene
Concen: 3.752 ug/l
RT: 13.206 min Scan# 1913
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

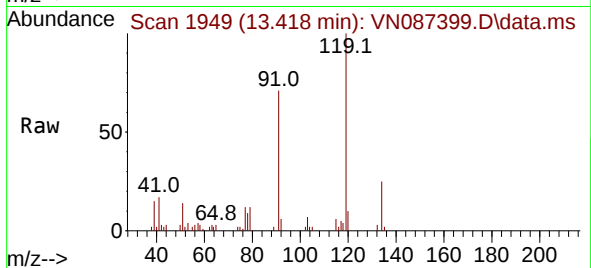
Tgt Ion: 91 Resp: 24481
Ion Ratio Lower Upper
91 100
126 35.8 0.0 66.6





#79
tert-butylbenzene
Concen: 3.514 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

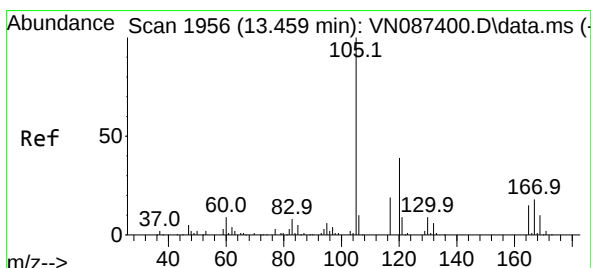
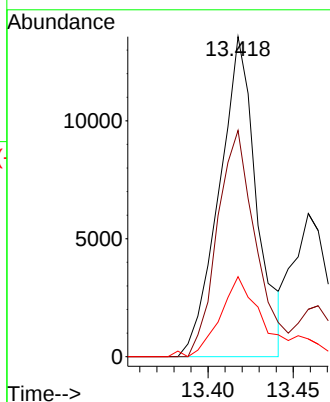
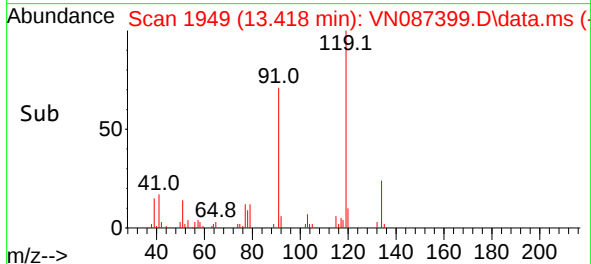
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



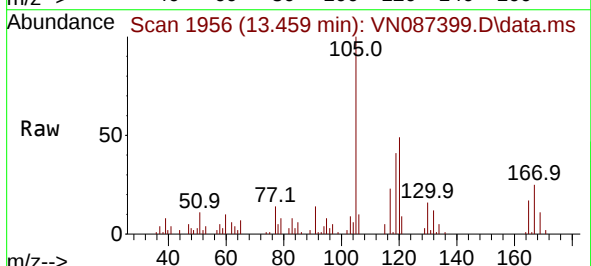
Tgt Ion:119 Resp: 2077
Ion Ratio Lower Upper
119 100
91 72.9 0.0 134.8
134 26.7 0.0 52.0

Manual Integrations
APPROVED

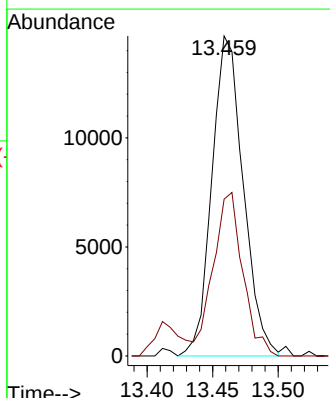
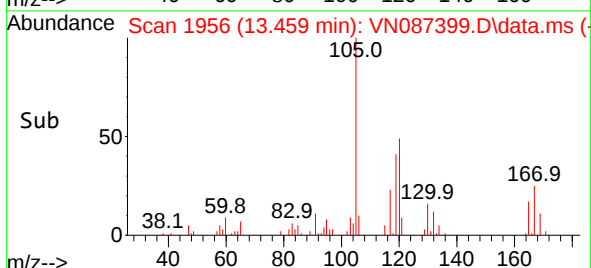
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

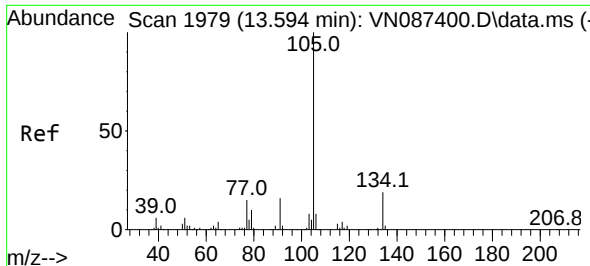


#80
1,2,4-Trimethylbenzene
Concen: 3.399 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08



Tgt Ion:105 Resp: 24400
Ion Ratio Lower Upper
105 100
120 48.0 0.0 93.6





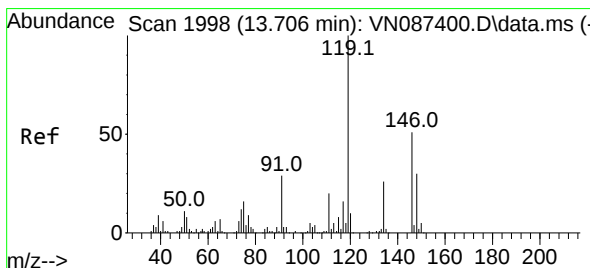
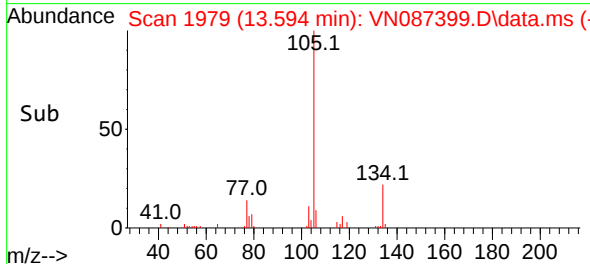
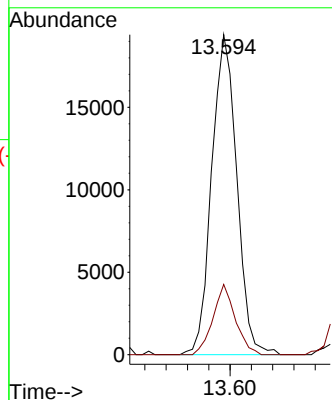
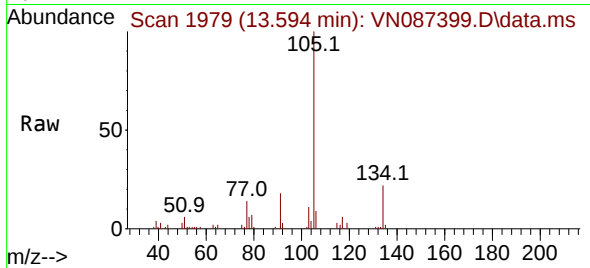
#81
 sec-Butylbenzene
 Concen: 3.682 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087399.D
 Acq: 23 Jul 2025 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:105 Resp: 3176
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 39.6

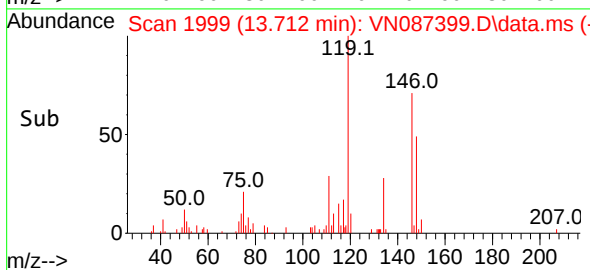
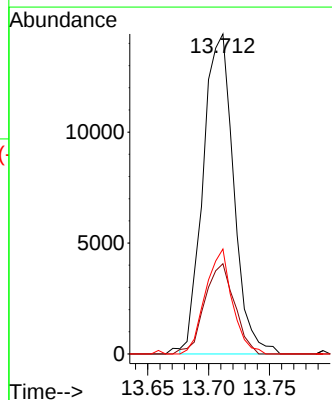
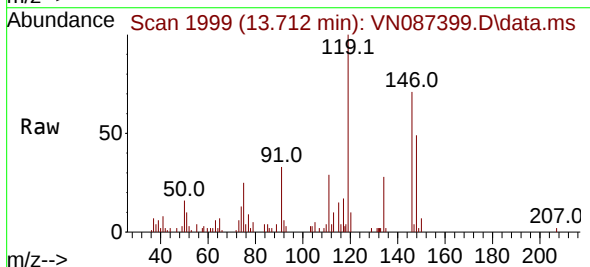
Manual Integrations
 APPROVED

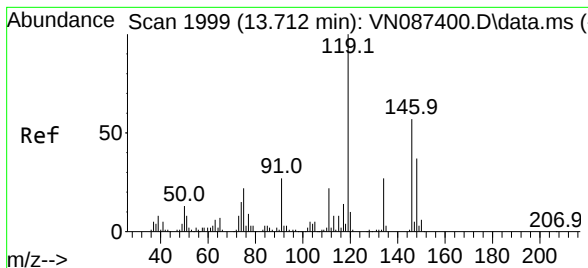
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#82
 p-Isopropyltoluene
 Concen: 3.407 ug/l
 RT: 13.712 min Scan# 1999
 Delta R.T. 0.006 min
 Lab File: VN087399.D
 Acq: 23 Jul 2025 10:08

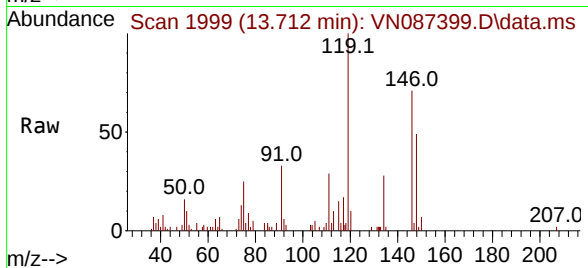
Tgt Ion:119 Resp: 25168
 Ion Ratio Lower Upper
 119 100
 134 27.6 0.0 51.8
 91 28.8 0.0 54.2





#83
1,3-Dichlorobenzene
Concen: 4.173 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

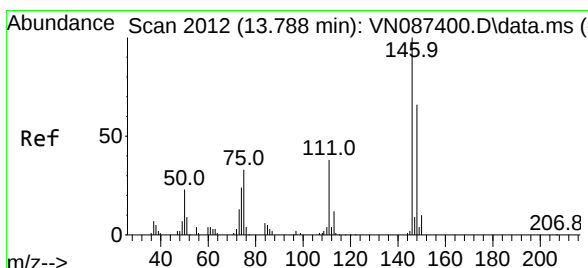
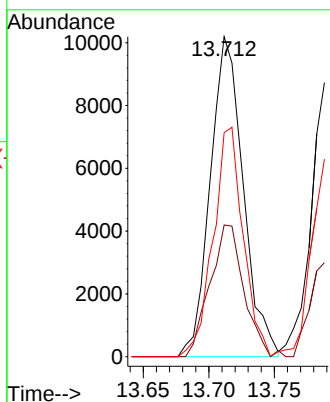
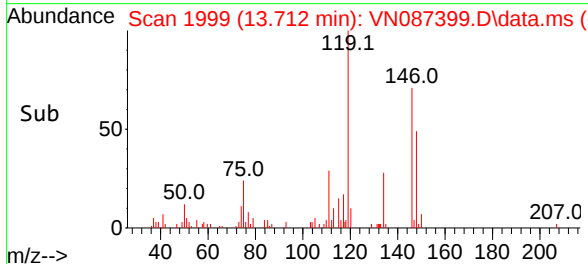
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



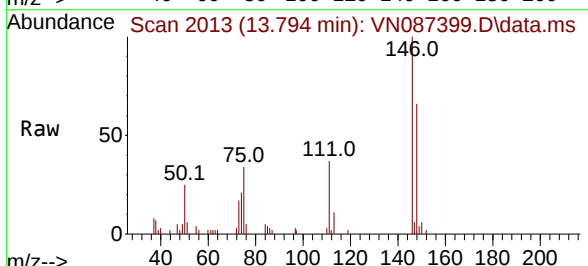
Tgt Ion:146 Resp: 17794
Ion Ratio Lower Upper
146 100
111 41.9 20.2 60.6
148 65.3 31.7 95.1

Manual Integrations
APPROVED

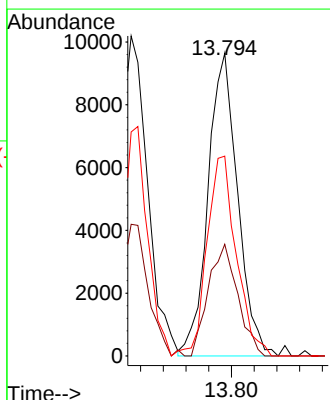
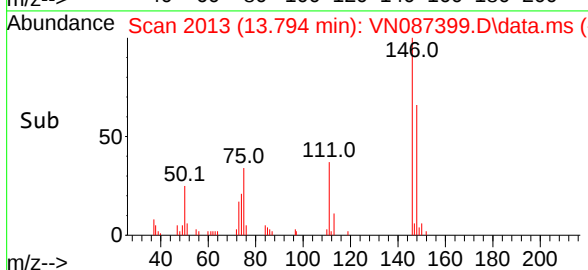
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

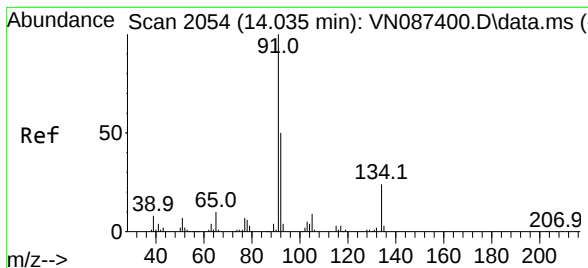


#84
1,4-Dichlorobenzene
Concen: 4.142 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08



Tgt Ion:146 Resp: 17455
Ion Ratio Lower Upper
146 100
111 36.6 19.4 58.1
148 64.6 32.4 97.2





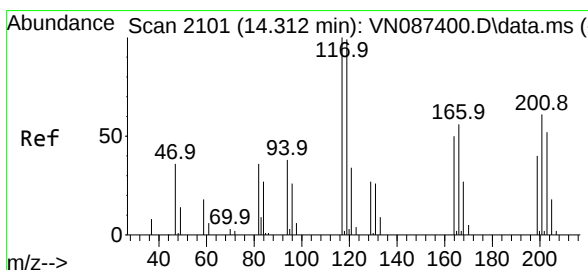
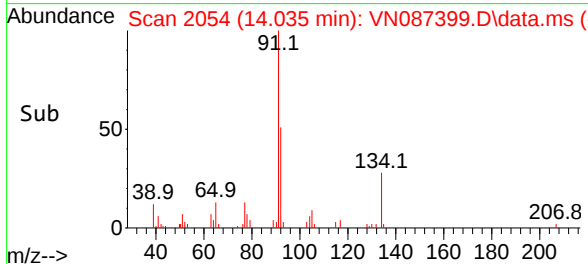
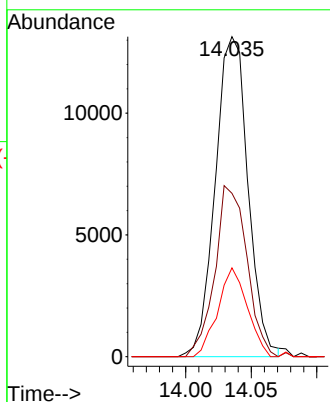
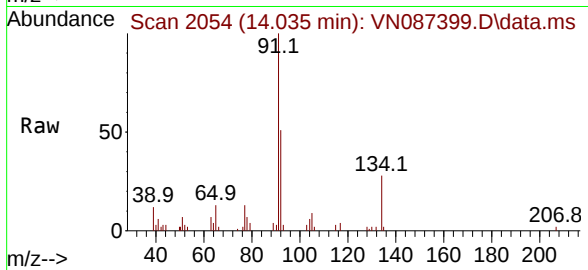
#85
n-Butylbenzene
Concen: 3.381 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 2281
Ion Ratio Lower Upper
91 100
92 52.1 0.0 101.4
134 25.0 0.0 48.6

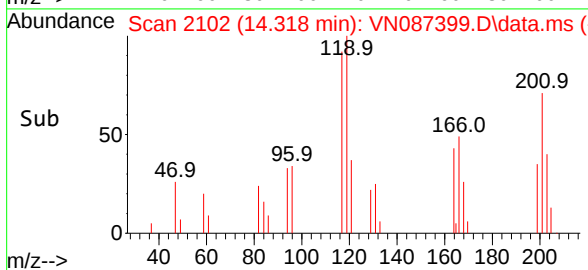
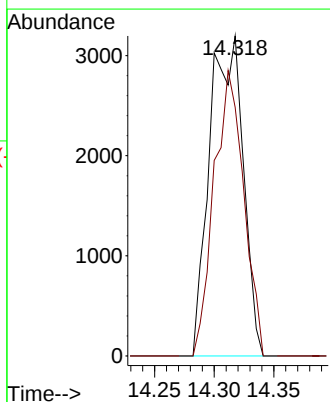
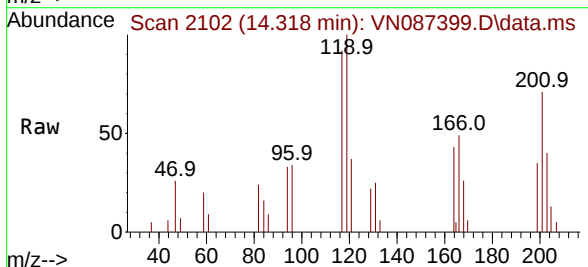
Manual Integrations
APPROVED

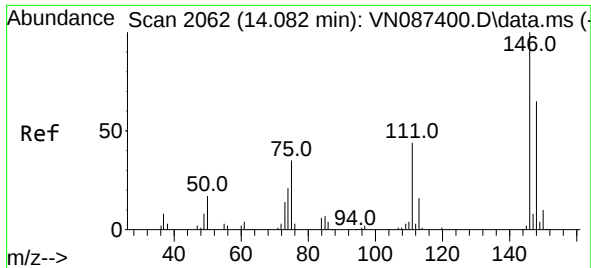
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#86
Hexachloroethane
Concen: 4.301 ug/l m
RT: 14.318 min Scan# 2102
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Tgt Ion:117 Resp: 6249
Ion Ratio Lower Upper
117 100
201 79.0 34.2 102.5





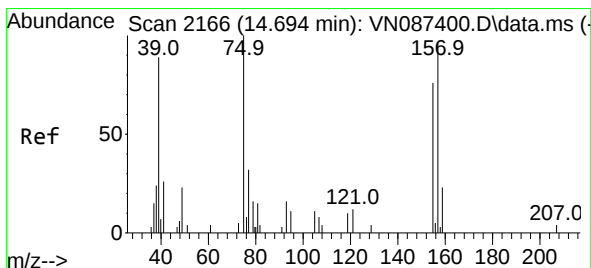
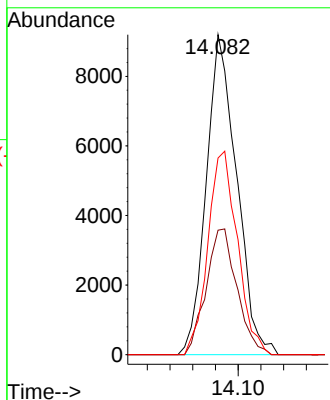
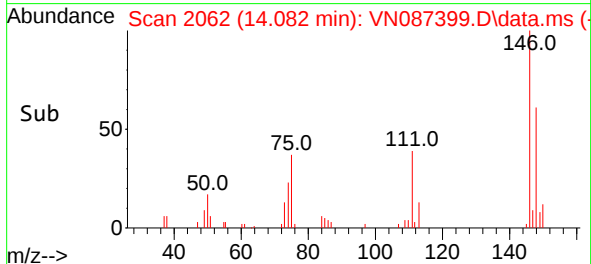
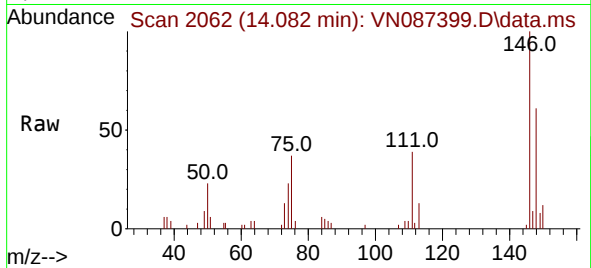
#87
1,2-Dichlorobenzene
Concen: 4.226 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:146 Resp: 1709
Ion Ratio Lower Upper
146 100
111 39.9 21.9 65.8
148 61.9 31.2 93.6

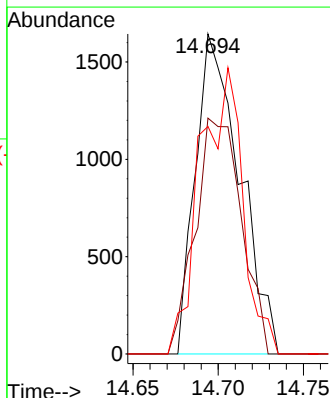
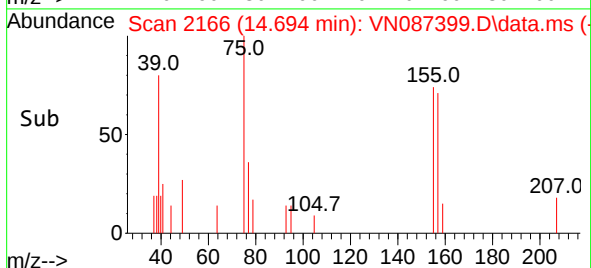
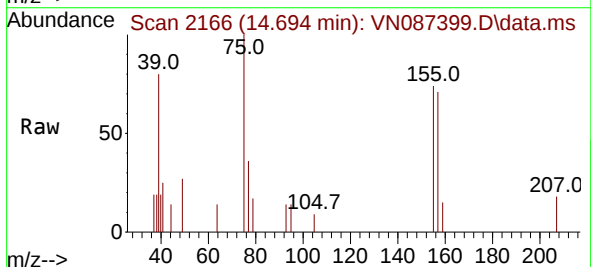
Manual Integrations
APPROVED

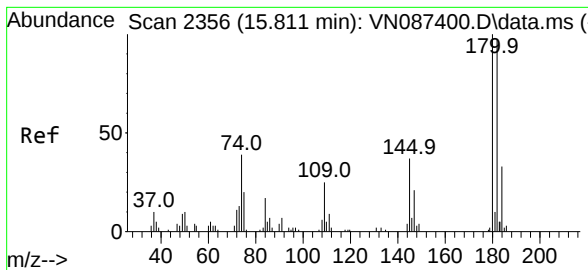
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 4.533 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

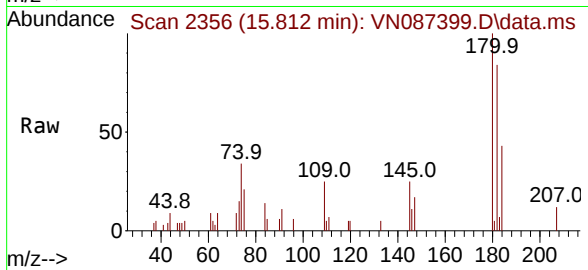
Tgt Ion: 75 Resp: 2976
Ion Ratio Lower Upper
75 100
155 76.8 61.3 91.9
157 45.0 85.5 128.3#





#89
1,2,4-Trichlorobenzene
Concen: 3.912 ug/l
RT: 15.812 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

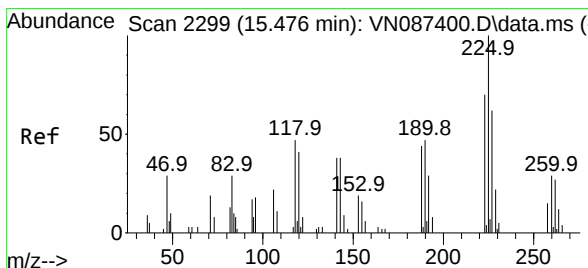
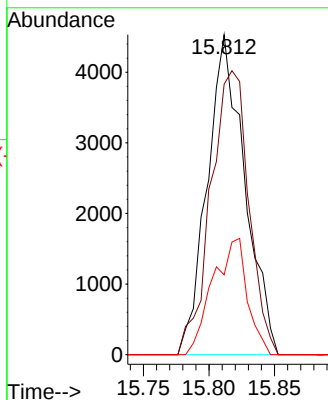
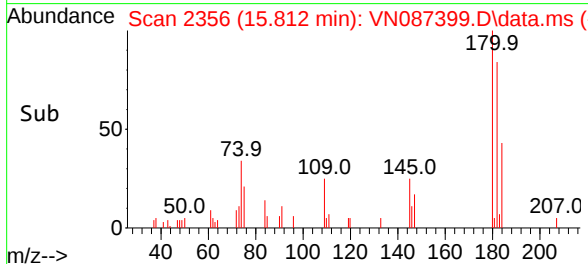
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



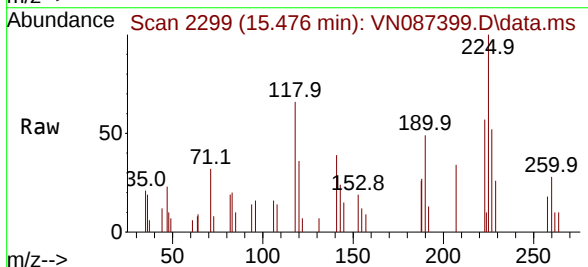
Tgt Ion:180 Resp: 9020
Ion Ratio Lower Upper
180 100
182 90.1 74.2 111.2
145 33.4 29.3 43.9

Manual Integrations
APPROVED

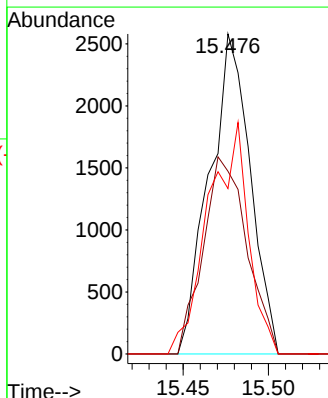
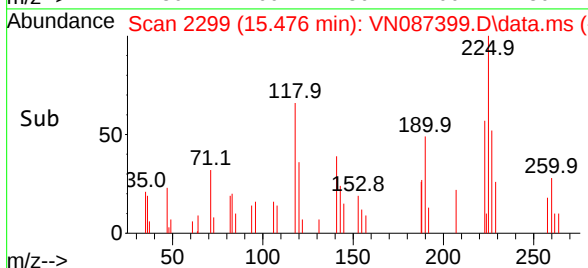
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

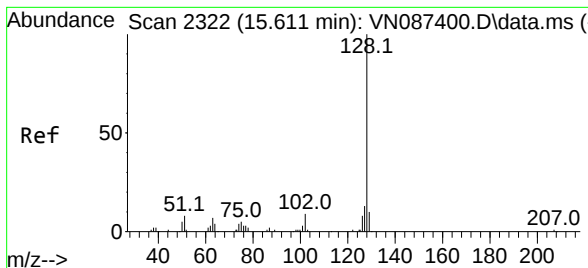


#90
Hexachlorobutadiene
Concen: 4.510 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08



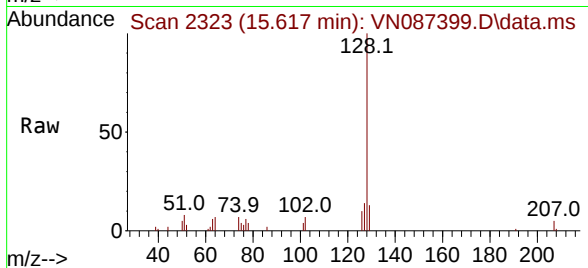
Tgt Ion:225 Resp: 4303
Ion Ratio Lower Upper
225 100
223 0.0 0.0 125.2
227 28.3 0.0 122.4





#91
Naphthalene
Concen: 3.192 ug/l
RT: 15.617 min Scan# 2322
Delta R.T. 0.006 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08

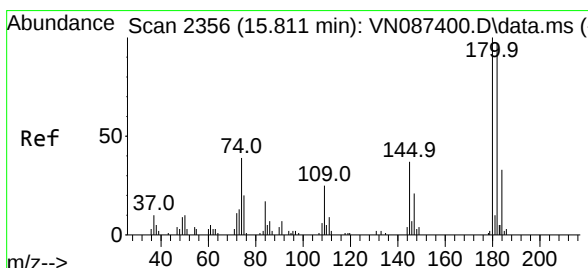
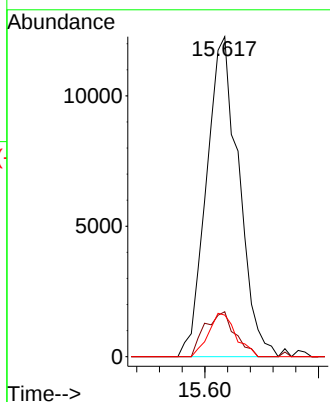
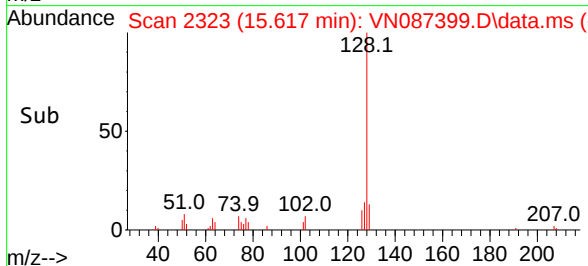
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



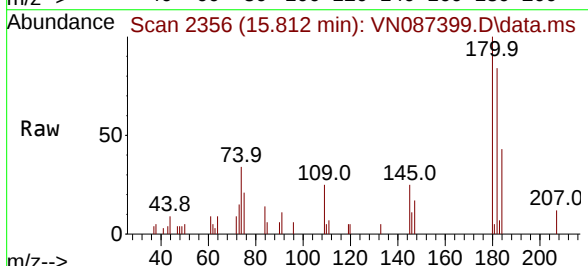
Tgt Ion:128 Resp: 2424
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 11.4 9.0 13.4

Manual Integrations
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Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#92
1,2,3-Trichlorobenzene
Concen: 3.912 ug/l
RT: 15.812 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN087399.D
Acq: 23 Jul 2025 10:08



Tgt Ion:180 Resp: 9026
Ion Ratio Lower Upper
180 100
182 90.1 0.0 185.4
145 33.4 0.0 73.2

