

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072325\
 Data File : VN087405.D
 Acq On : 23 Jul 2025 14:36
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Jul 24 05:05:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 24 05:03:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	27375	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	136109	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	123438	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	67656	29.865	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.533%		
60) 4-Bromofluorobenzene	12.829	95	56143	27.277	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	90.933%		
63) Toluene-d8	10.547	98	171655	30.204	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.667%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	7531	4.694	ug/l	92
3) Chloromethane	2.383	50	7749	4.784	ug/l	97
4) Vinyl Chloride	2.536	62	8623	4.761	ug/l	95
5) Bromomethane	2.977	94	6940	6.717	ug/l	98
6) Chloroethane	3.136	64	7112	5.107	ug/l #	87
7) Trichlorofluoromethane	3.506	101	16080	5.202	ug/l	86
8) Diethyl Ether	3.965	74	6611m	5.490	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.377	101	9286m	5.803	ug/l	
10) 1,1-Dichloroethene	4.342	96	10227m	6.166	ug/l	
11) Methyl Iodide	4.577	142	4914m	4.183	ug/l	
12) Methyl Acetate	5.018	43	11476m	5.333	ug/l	
13) Acrolein	4.171	56	12123m	32.630	ug/l	
14) Acrylonitrile	5.712	53	24267	24.805	ug/l #	88
15) Acetone	4.424	58	10916	31.932	ug/l	69
16) Carbon Disulfide	4.700	76	24666	5.785	ug/l	99
17) Allyl chloride	5.006	41	11240m	4.965	ug/l	
18) Methylene Chloride	5.265	84	9378m	5.569	ug/l	
19) trans-1,2-Dichloroethene	5.771	96	8907	5.530	ug/l #	89
20) Diisopropyl ether	6.659	45	25822m	4.515	ug/l	
21) 1,1-Dichloroethane	6.547	63	15838	5.053	ug/l #	87
22) cis-1,2-Dichloroethene	7.471	96	9652	5.031	ug/l	98
23) tert-Butyl Alcohol	5.512	59	9831m	29.508	ug/l	
24) Methyl tert-Butyl Ether	5.777	73	25665	4.856	ug/l #	57
25) Chloroform	7.947	83	18204	5.373	ug/l	100
26) Cyclohexane	8.236	56	10643	4.575	ug/l #	98
29) 1,1-Dichloropropene	8.353	75	10628	4.618	ug/l	85
30) 2-Butanone	7.471	43	36231	23.402	ug/l #	97
31) 2,2-Dichloropropane	7.477	77	14809	4.900	ug/l #	73
32) 1,1,1-Trichloroethane	8.153	97	15107	5.051	ug/l #	85
33) Carbon Tetrachloride	8.341	117	12730	4.847	ug/l	97
34) Benzene	8.594	78	35613	4.856	ug/l #	88
35) Methacrylonitrile	7.771	41	6731m	4.138	ug/l	
36) 1,2-Dichloroethane	8.659	62	13911	4.741	ug/l #	92
37) Trichloroethene	9.330	130	8776	5.115	ug/l	96
38) Methylcyclohexane	9.583	83	11257	4.728	ug/l	94
39) 1,2-Dichloropropane	9.606	63	8995	4.881	ug/l	99
40) Dibromomethane	9.688	93	6931	4.765	ug/l	98
41) Bromodichloromethane	9.865	83	13849	4.809	ug/l #	94
42) Vinyl Acetate	6.589	43	106258	20.042	ug/l #	90

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 ALS Vial : 8 Sample Multiplier: 1

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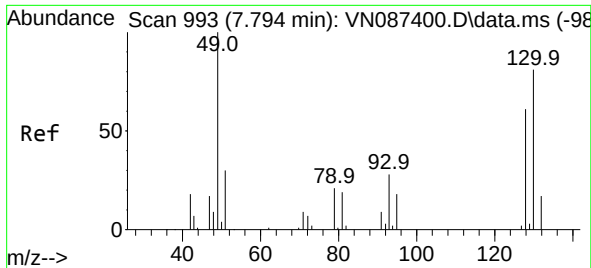
Manual Integrations
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Reviewed By : John Carlone 07/24/2025
 Supervised By : Mahesh Dadoda 07/24/2025

Quant Time: Jul 24 05:05:18 2025
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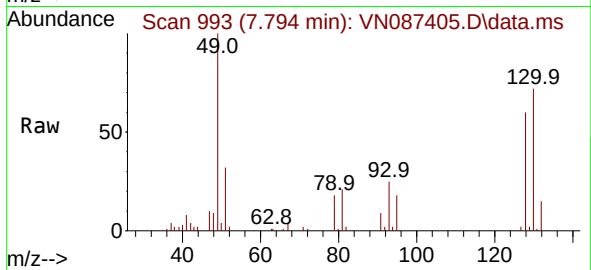
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	13753	4.355	ug/l #	87
44) Isopropyl Acetate	8.677	43	21882	4.449	ug/l	99
45) 1,4-Dioxane	9.683	88	2724	90.520	ug/l #	57
46) Methyl methacrylate	9.665	41	9609	4.254	ug/l	97
47) n-amyl Acetate	12.700	43	11831m	3.942	ug/l	
48) t-1,3-Dichloropropene	10.818	75	13398	4.419	ug/l	98
49) cis-1,3-Dichloropropene	10.288	75	13206	4.308	ug/l	95
50) 1,1,2-Trichloroethane	11.000	97	8953	4.802	ug/l	94
51) Ethyl methacrylate	10.853	69	9910	3.519	ug/l	90
52) 1,3-Dichloropropane	11.147	76	15380	4.864	ug/l	98
53) Dibromochloromethane	11.335	129	9723	4.439	ug/l	98
54) 1,2-Dibromoethane	11.447	107	8336	4.271	ug/l	89
55) 2-Chloroethyl vinyl ether	10.141	63	29235	19.333	ug/l	99
56) Bromoform	12.559	173	6689	4.325	ug/l #	96
58) 4-Methyl-2-Pentanone	10.424	43	65261	22.064	ug/l	97
59) 2-Hexanone	11.182	43	36744	18.263	ug/l	98
61) Tetrachloroethene	11.082	164	7170	5.178	ug/l #	85
62) Toluene	10.606	91	36845	4.951	ug/l	98
64) Chlorobenzene	11.871	112	23888	5.075	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.947	131	8654m	4.999	ug/l	
66) Ethyl Benzene	11.941	91	36371	4.579	ug/l	95
67) m/p-Xylenes	12.047	106	26721	8.419	ug/l	100
68) o-Xylene	12.382	106	13633	4.581	ug/l	93
69) Styrene	12.394	104	21322	4.075	ug/l	98
70) Isopropylbenzene	12.676	105	31587	4.142	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	12713	4.664	ug/l	94
72) 1,2,3-Trichloropropane	12.971	75	11337m	4.678	ug/l	
73) Bromobenzene	12.959	156	9061	4.554	ug/l	97
74) n-propylbenzene	13.012	91	41747	4.319	ug/l	100
75) 2-Chlorotoluene	13.106	91	25240	4.365	ug/l	96
76) 1,3,5-Trimethylbenzene	13.153	105	27884	4.225	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	3641	3.852	ug/l	80
78) 4-Chlorotoluene	13.200	91	26870	4.375	ug/l	98
79) tert-butylbenzene	13.418	119	24143	4.339	ug/l	97
80) 1,2,4-Trimethylbenzene	13.465	105	27109	4.020	ug/l	99
81) sec-Butylbenzene	13.594	105	34397	4.238	ug/l	100
82) p-Isopropyltoluene	13.706	119	27900	4.014	ug/l	96
83) 1,3-Dichlorobenzene	13.712	146	18448	4.597	ug/l	99
84) 1,4-Dichlorobenzene	13.794	146	17982	4.534	ug/l	100
85) n-Butylbenzene	14.035	91	26667	4.200	ug/l	97
86) Hexachloroethane	14.306	117	6340	4.637	ug/l	99
87) 1,2-Dichlorobenzene	14.088	146	16980	4.461	ug/l	93
88) 1,2-Dibromo-3-Chloropr...	14.700	75	3275m	5.300	ug/l	
89) 1,2,4-Trichlorobenzene	15.817	180	9629	4.435	ug/l	98
90) Hexachlorobutadiene	15.470	225	4458	4.965	ug/l	92
91) Naphthalene	15.617	128	28503	3.987	ug/l #	89
92) 1,2,3-Trichlorobenzene	15.817	180	9629	4.435	ug/l	98

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

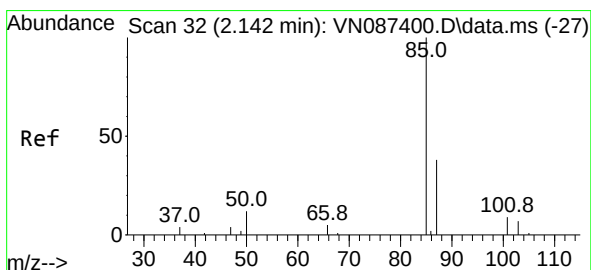
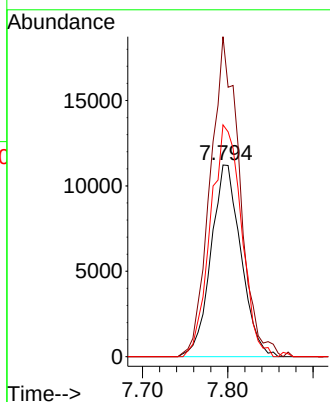
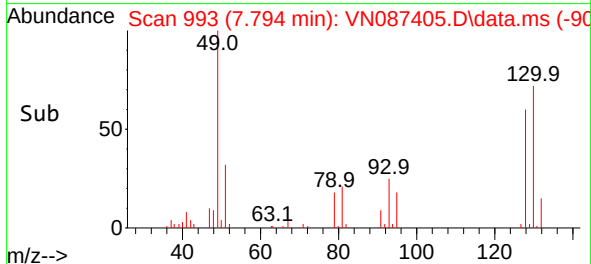
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



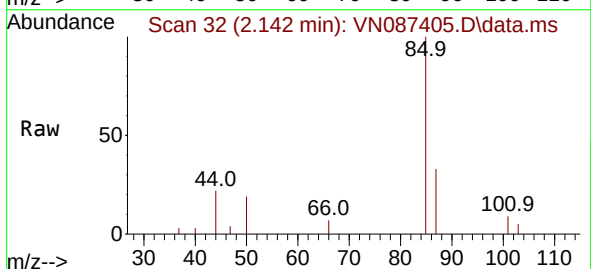
Tgt Ion:128 Resp: 2737
Ion Ratio Lower Upper
128 100
49 162.0 0.0 446.2
130 125.5 0.0 331.0

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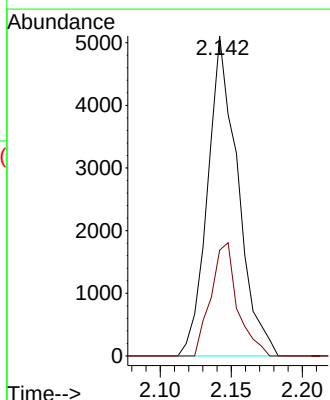
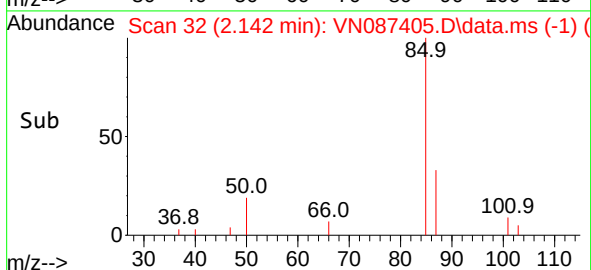
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

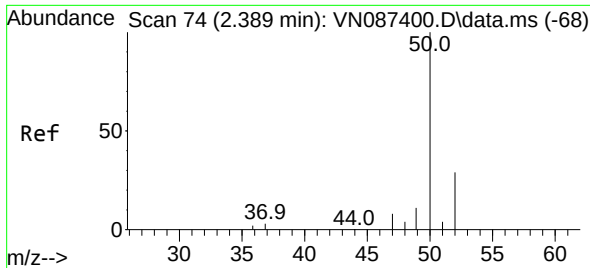


#2
Dichlorodifluoromethane
Concen: 4.694 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36



Tgt Ion: 85 Resp: 7531
Ion Ratio Lower Upper
85 100
87 33.1 18.9 56.9





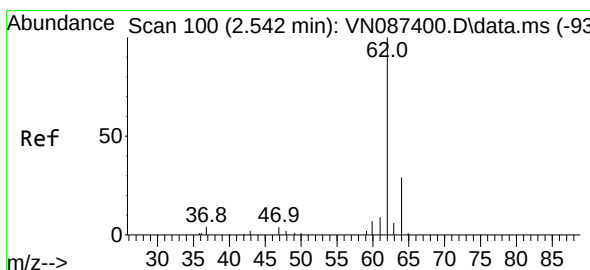
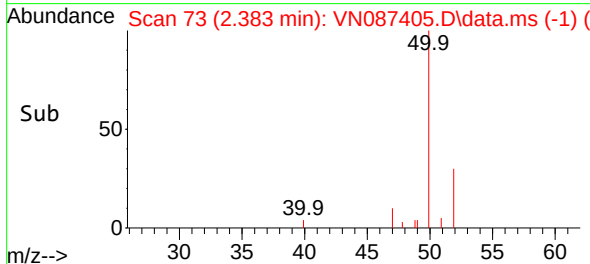
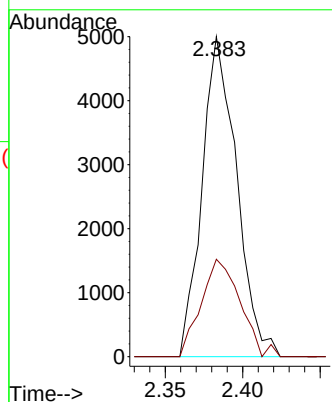
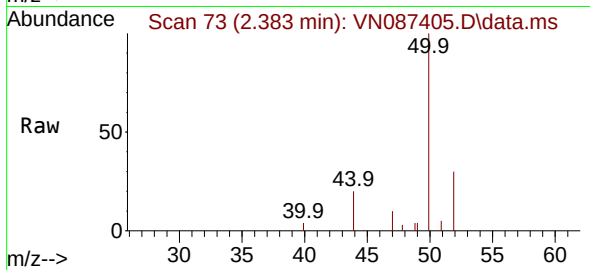
#3
Chloromethane
Concen: 4.784 ug/l
RT: 2.383 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 7749
Ion Ratio Lower Upper
50 100
52 30.5 23.2 34.8

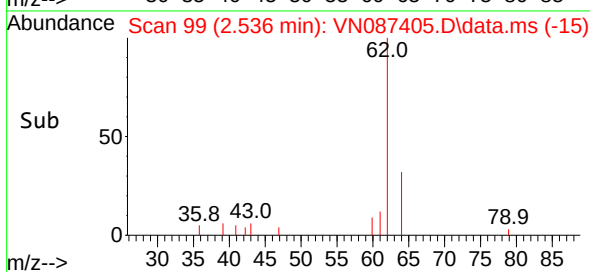
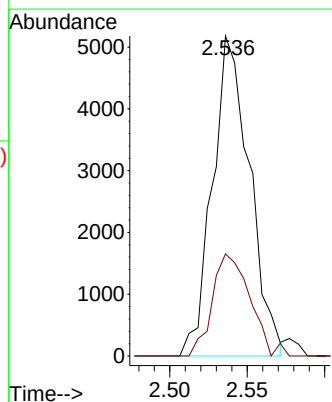
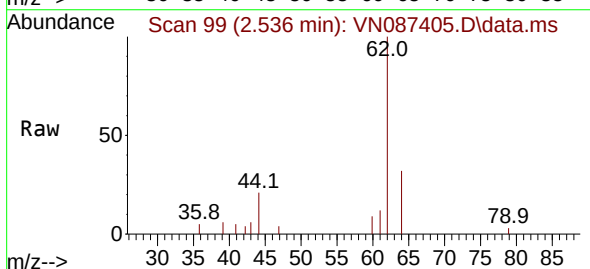
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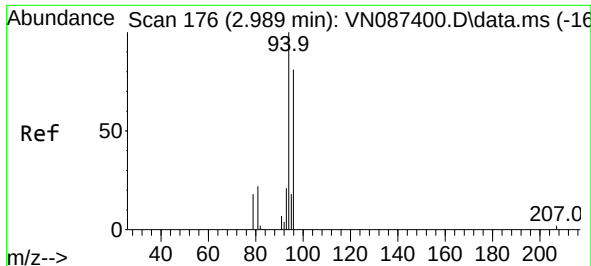
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#4
Vinyl Chloride
Concen: 4.761 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

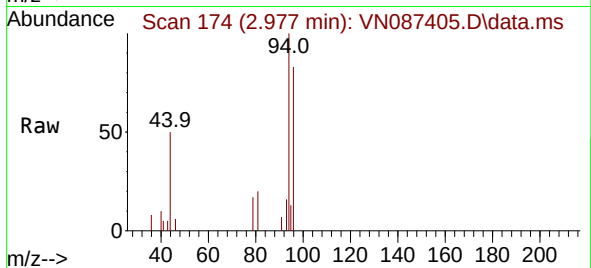
Tgt Ion: 62 Resp: 8623
Ion Ratio Lower Upper
62 100
64 31.9 23.2 34.8





#5
Bromomethane
Concen: 6.717 ug/l
RT: 2.977 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

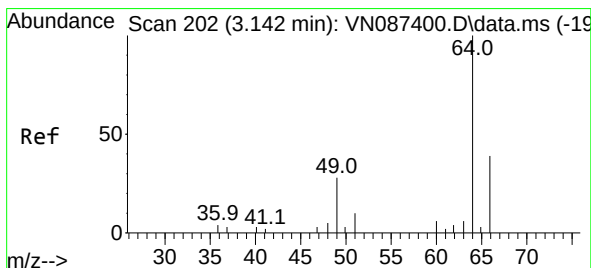
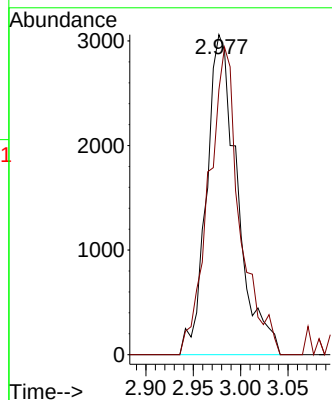
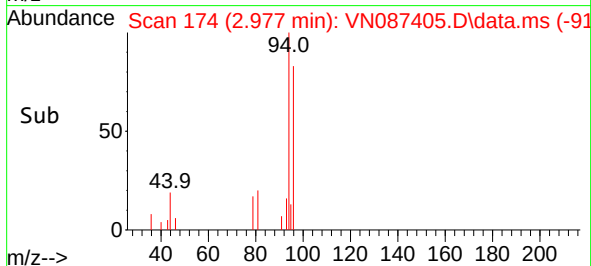
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 94 Resp: 6940
Ion Ratio Lower Upper
94 100
96 82.8 64.6 96.8

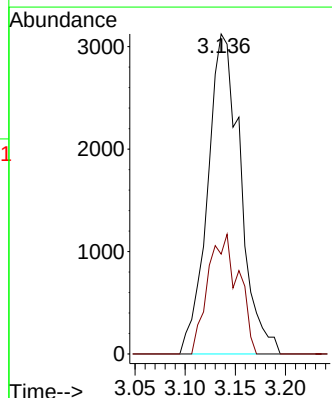
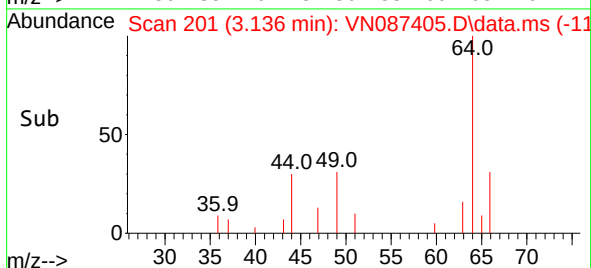
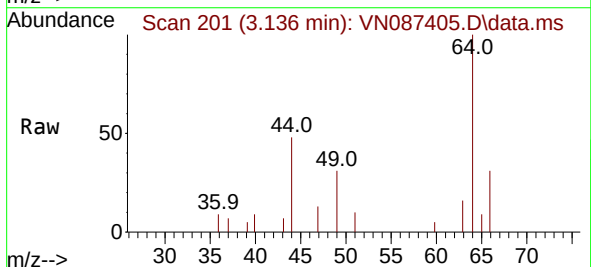
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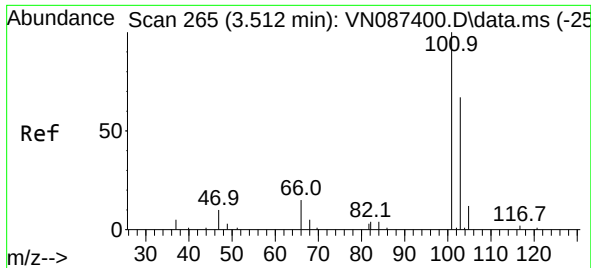
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#6
Chloroethane
Concen: 5.107 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Tgt Ion: 64 Resp: 7112
Ion Ratio Lower Upper
64 100
66 31.2 31.4 47.2#





#7
 Trichlorofluoromethane
 Concen: 5.202 ug/l
 RT: 3.506 min Scan# 265
 Delta R.T. -0.006 min
 Lab File: VN087405.D
 Acq: 23 Jul 2025 14:36

Instrument :

MSVOA_N

ClientSampleId :

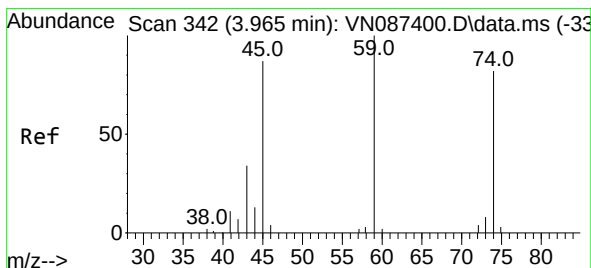
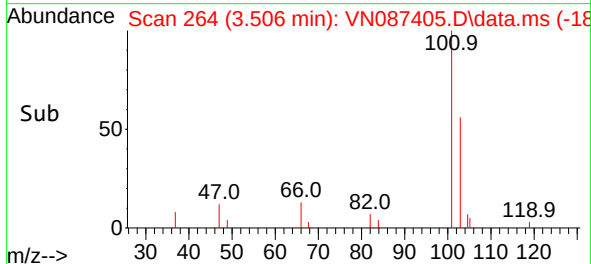
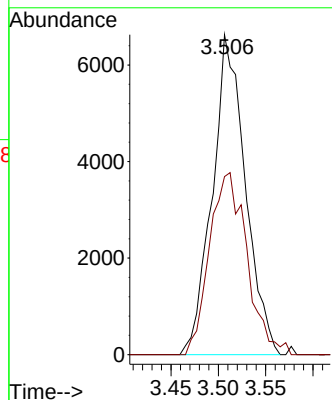
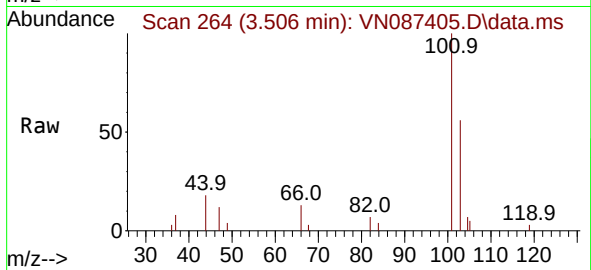
VSTDIC005

Tgt Ion:101 Resp: 1608
 Ion Ratio Lower Upper
 101 100
 103 55.7 53.7 80.5

Manual Integrations

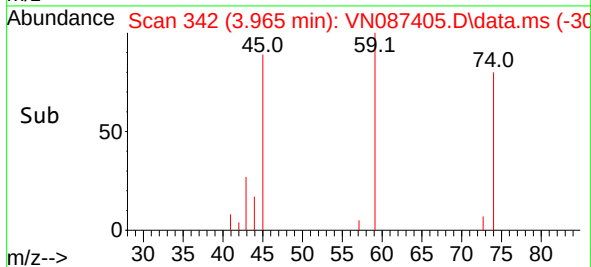
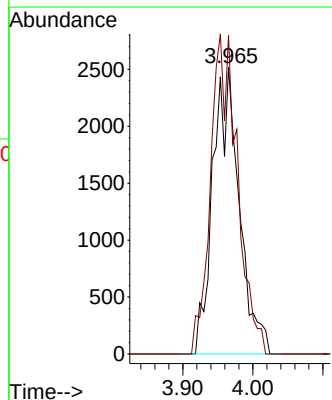
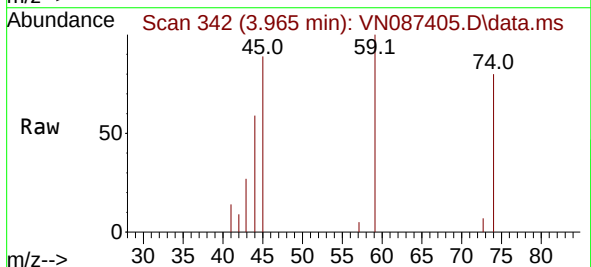
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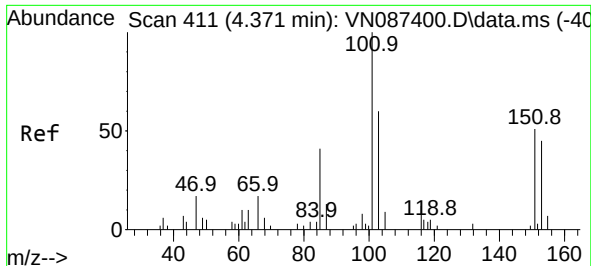
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#8
 Diethyl Ether
 Concen: 5.490 ug/l m
 RT: 3.965 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: VN087405.D
 Acq: 23 Jul 2025 14:36

Tgt Ion: 74 Resp: 6611
 Ion Ratio Lower Upper
 74 100
 45 61.6 21.4 192.8





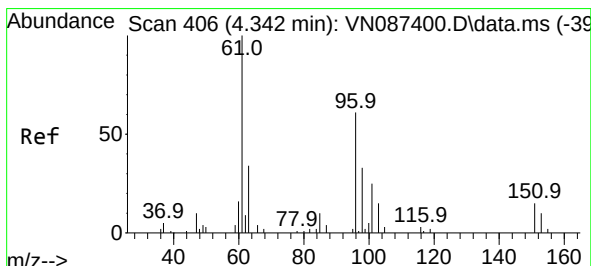
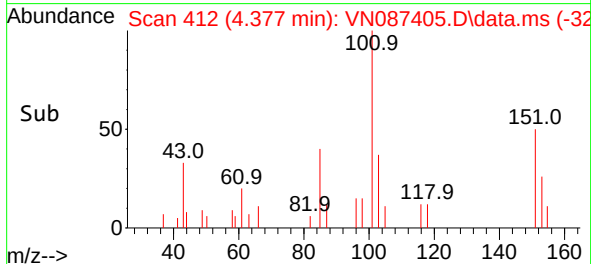
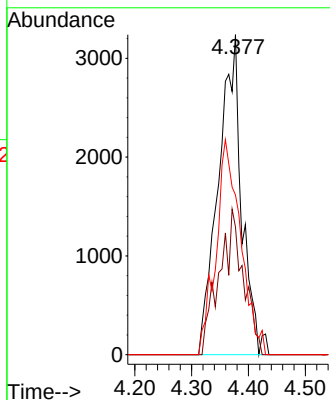
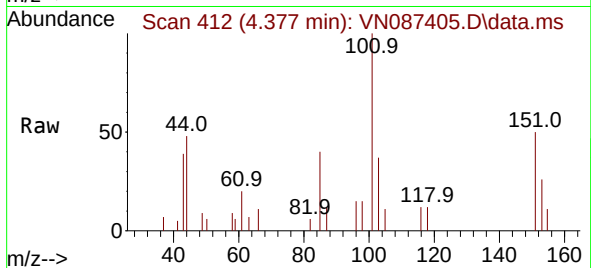
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.803 ug/l m
 RT: 4.377 min Scan# 411
 Delta R.T. 0.006 min
 Lab File: VN087405.D
 Acq: 23 Jul 2025 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:101 Resp: 9280
 Ion Ratio Lower Upper
 101 100
 85 10.8 0.0 94.8
 151 0.0 0.0 64.8

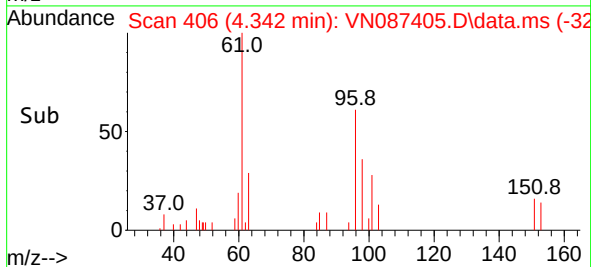
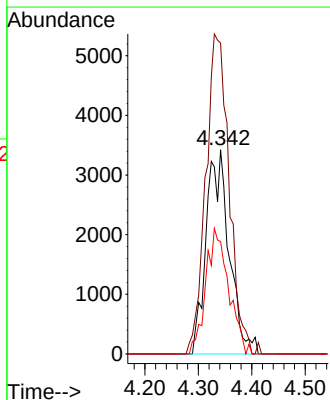
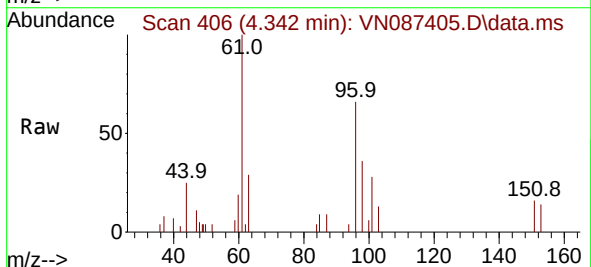
Manual Integrations
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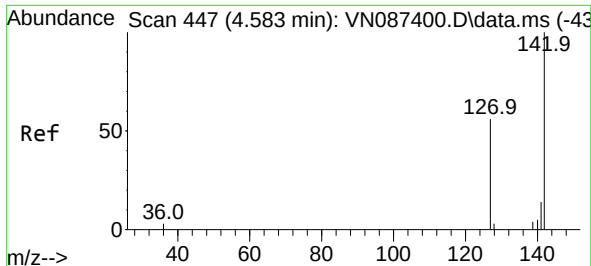
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#10
 1,1-Dichloroethene
 Concen: 6.166 ug/l m
 RT: 4.342 min Scan# 406
 Delta R.T. 0.000 min
 Lab File: VN087405.D
 Acq: 23 Jul 2025 14:36

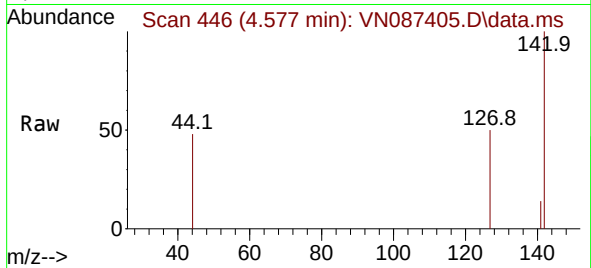
Tgt Ion: 96 Resp: 10227
 Ion Ratio Lower Upper
 96 100
 61 152.3 131.8 197.8
 98 55.1 43.0 64.4





#11
Methyl Iodide
Concen: 4.183 ug/l m
RT: 4.577 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

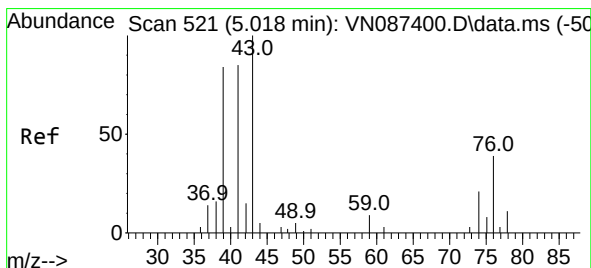
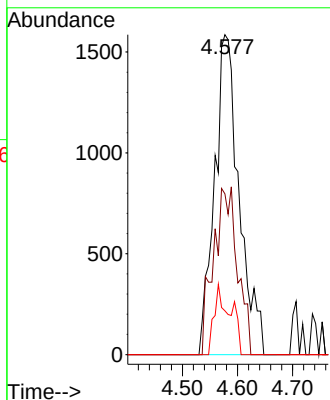
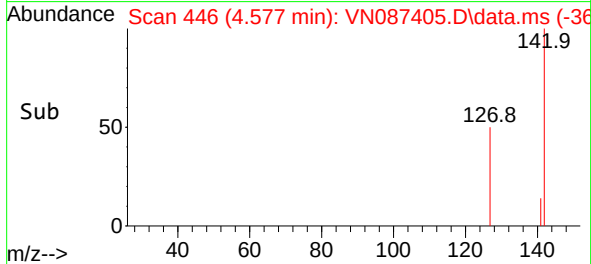
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:142 Resp: 4914
Ion Ratio Lower Upper
142 100
127 50.3 27.7 83.0
141 13.7 7.2 21.6

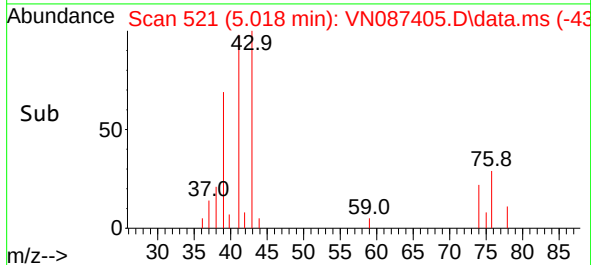
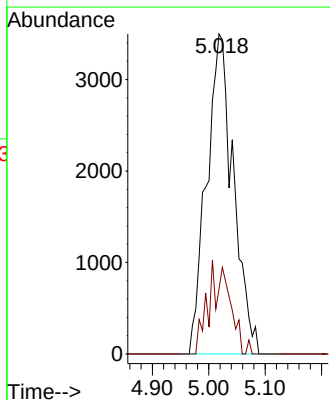
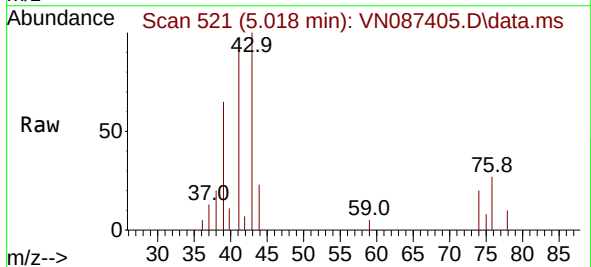
Manual Integrations
APPROVED

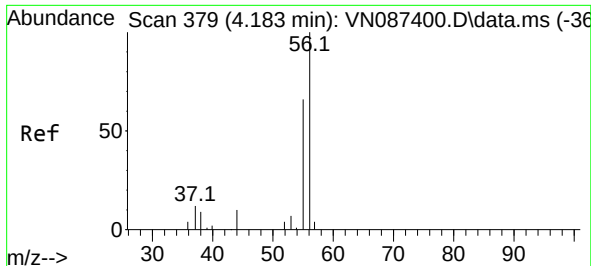
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#12
Methyl Acetate
Concen: 5.333 ug/l m
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Tgt Ion: 43 Resp: 11476
Ion Ratio Lower Upper
43 100
74 20.4 16.9 25.3





#13

Acrolein

Concen: 32.630 ug/l m

RT: 4.171 min Scan# 3

Delta R.T. -0.012 min

Lab File: VN087405.D

Acq: 23 Jul 2025 14:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 1212

Ion Ratio Lower Upper

56 100

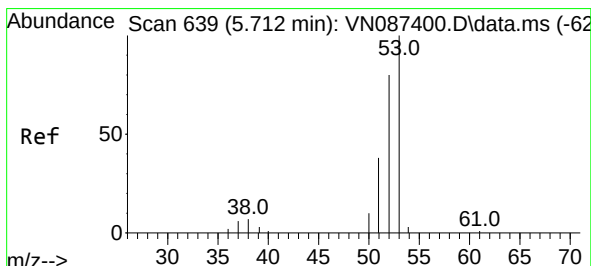
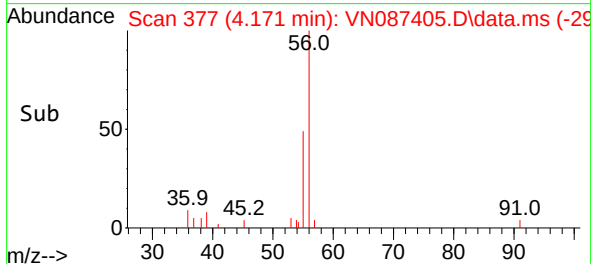
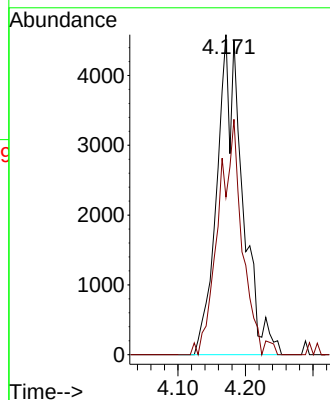
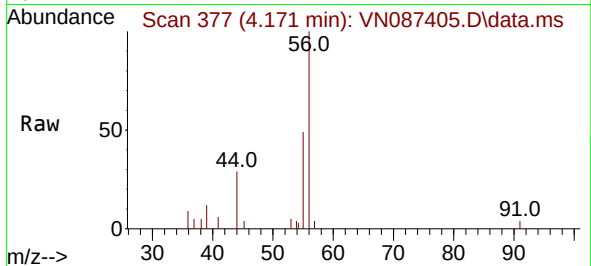
55 28.7 56.8 85.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#14

Acrylonitrile

Concen: 24.805 ug/l

RT: 5.712 min Scan# 639

Delta R.T. 0.000 min

Lab File: VN087405.D

Acq: 23 Jul 2025 14:36

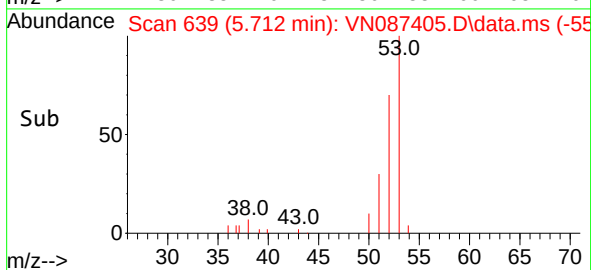
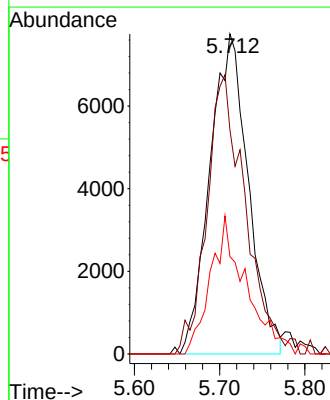
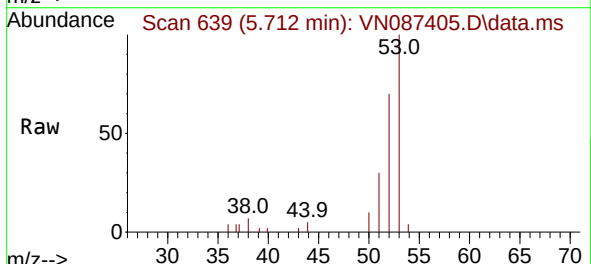
Tgt Ion: 53 Resp: 24267

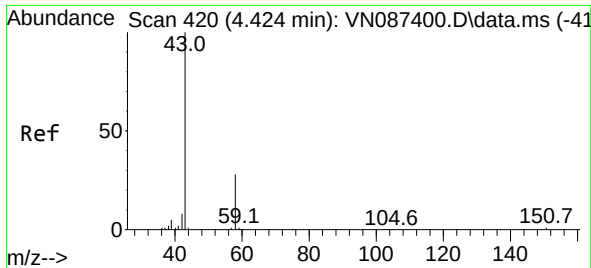
Ion Ratio Lower Upper

53 100

52 83.8 41.5 124.6

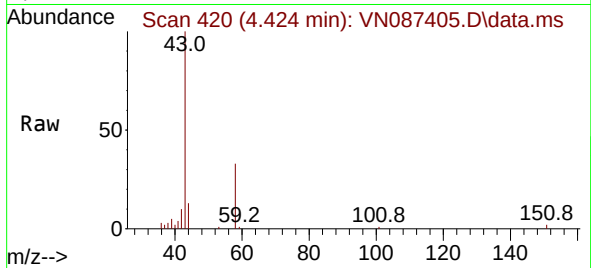
51 16.2 19.4 58.4





#15
Acetone
Concen: 31.932 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

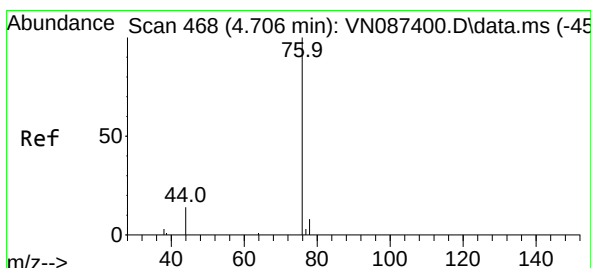
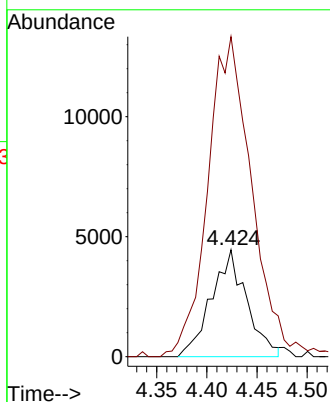
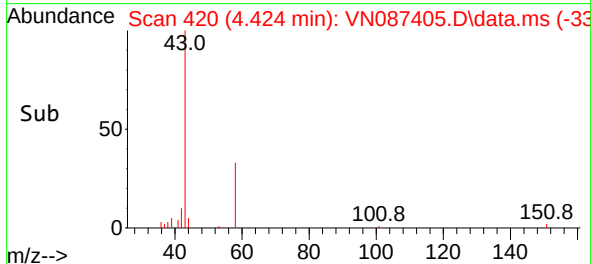
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



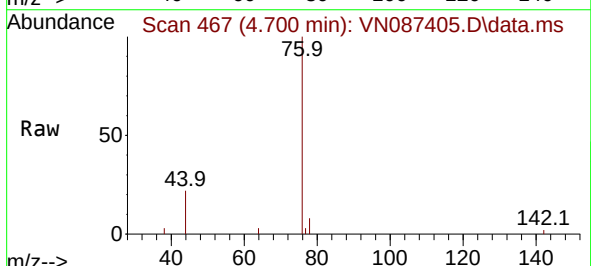
Tgt Ion: 58 Resp: 10910
Ion Ratio Lower Upper
58 100
43 286.0 283.4 425.0

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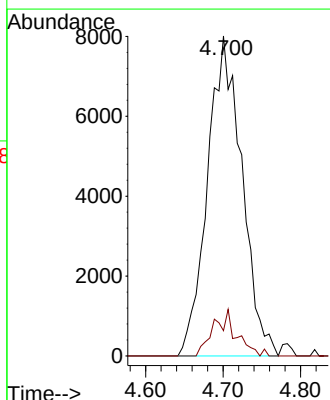
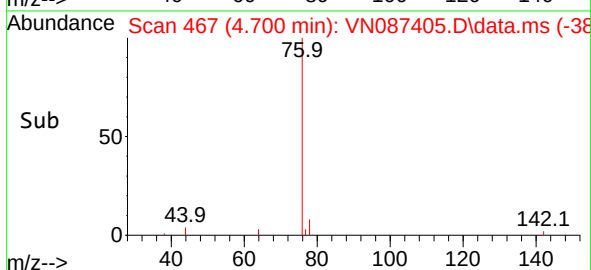
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

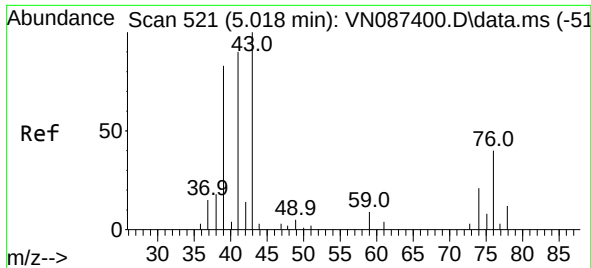


#16
Carbon Disulfide
Concen: 5.785 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36



Tgt Ion: 76 Resp: 24666
Ion Ratio Lower Upper
76 100
78 7.9 6.6 10.0





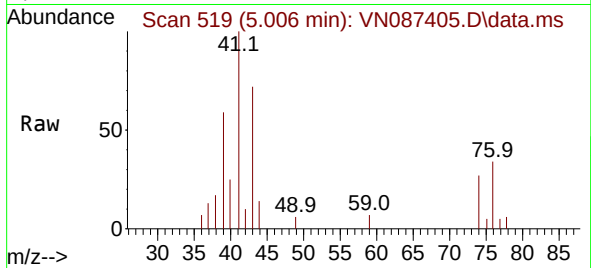
#17
 Allyl chloride
 Concen: 4.965 ug/l m
 RT: 5.006 min Scan# 51
 Delta R.T. -0.012 min
 Lab File: VN087405.D
 Acq: 23 Jul 2025 14:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005



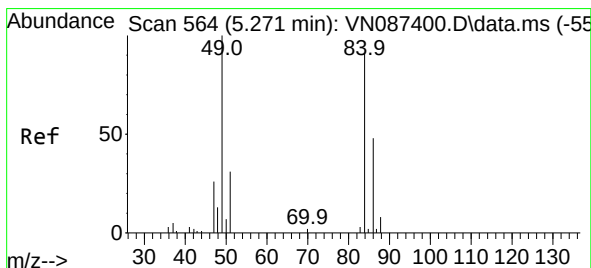
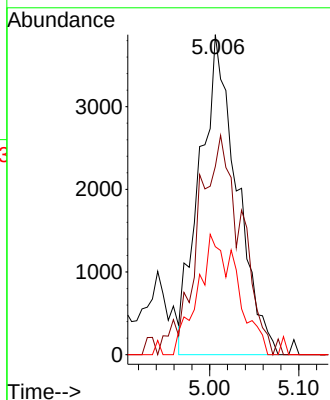
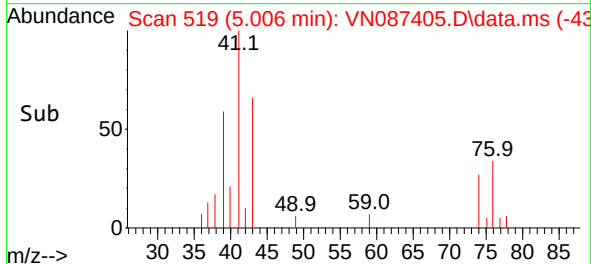
Tgt Ion: 41 Resp: 11240
 Ion Ratio Lower Upper
 41 100
 39 58.8 42.9 128.7
 76 33.8 19.8 59.4

Manual Integrations

APPROVED

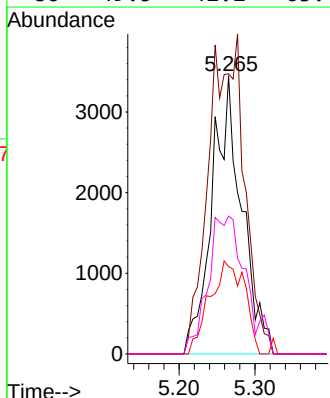
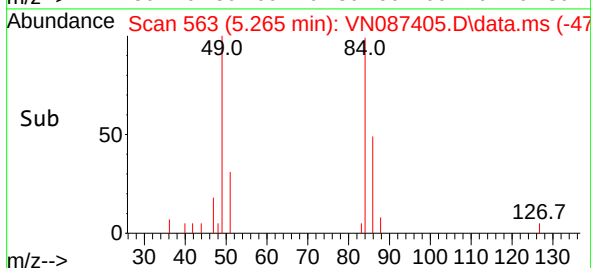
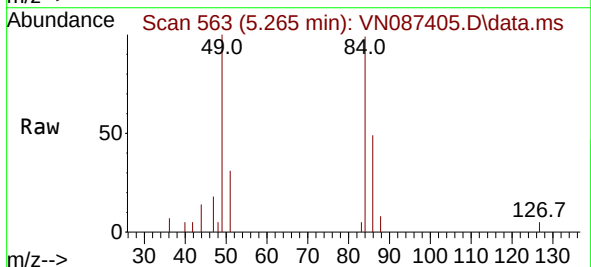
Reviewed By :John Carlone 07/24/2025

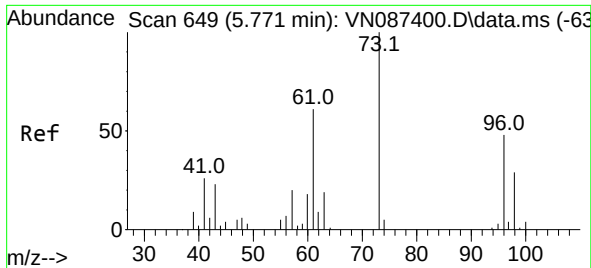
Supervised By :Mahesh Dadoda 07/24/2025



#18
 Methylene Chloride
 Concen: 5.569 ug/l m
 RT: 5.265 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: VN087405.D
 Acq: 23 Jul 2025 14:36

Tgt Ion: 84 Resp: 9378
 Ion Ratio Lower Upper
 84 100
 49 100.7 88.4 132.6
 51 31.4 27.3 40.9
 86 49.5 42.2 63.4





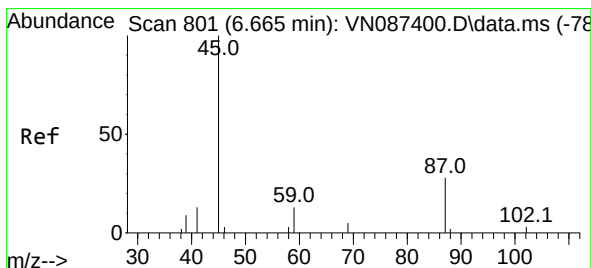
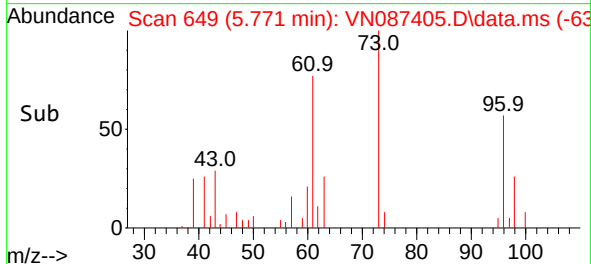
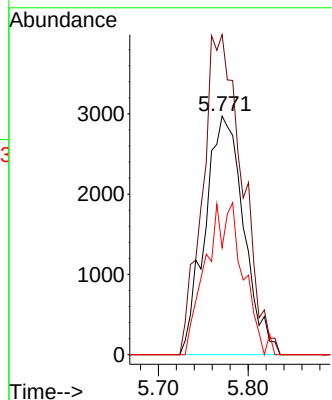
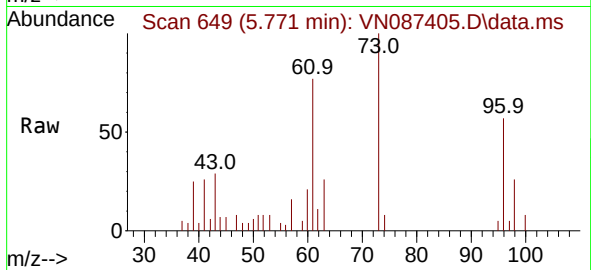
#19
trans-1,2-Dichloroethene
Concen: 5.530 ug/l
RT: 5.771 min Scan# 649
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 890
Ion Ratio Lower Upper
96 100
61 134.1 101.7 152.5
98 44.8 48.2 72.4

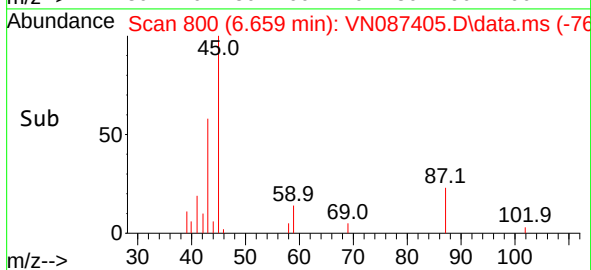
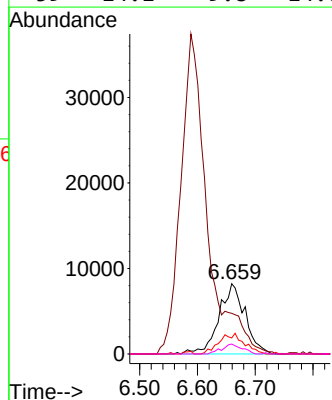
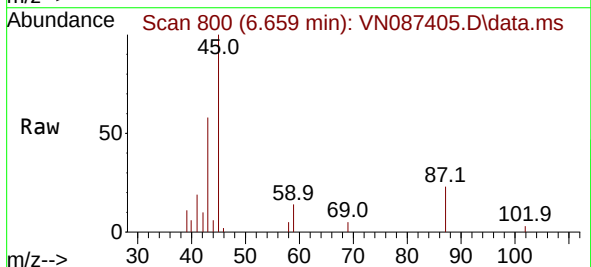
Manual Integrations
APPROVED

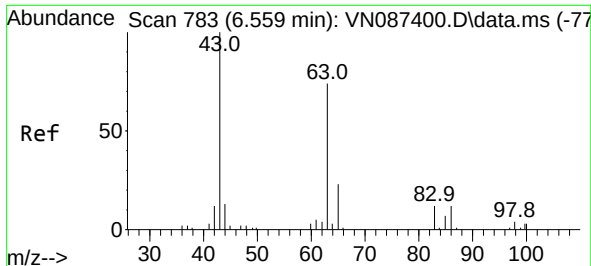
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#20
Diisopropyl ether
Concen: 4.515 ug/l m
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Tgt Ion: 45 Resp: 25822
Ion Ratio Lower Upper
45 100
43 57.9 46.0 69.0
87 22.9 23.4 35.2
59 14.1 9.8 14.6





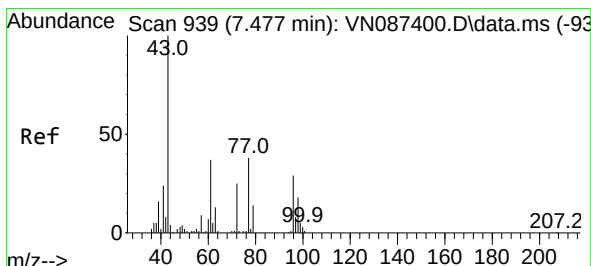
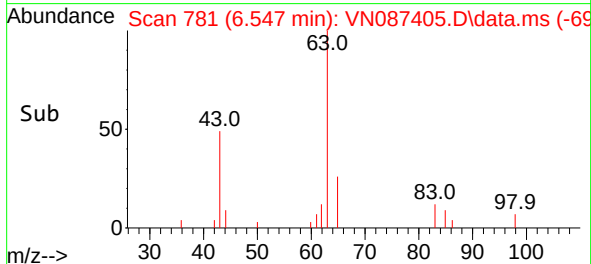
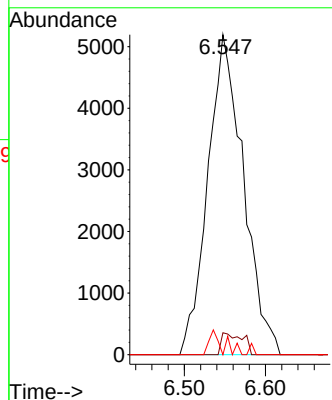
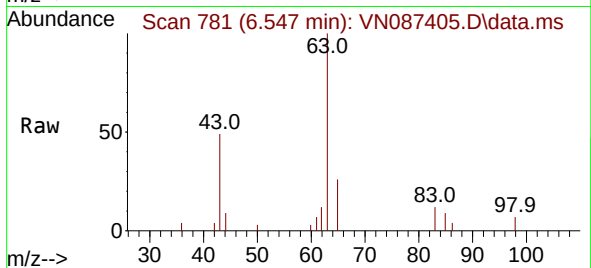
#21
1,1-Dichloroethane
Concen: 5.053 ug/l
RT: 6.547 min Scan# 781
Delta R.T. -0.012 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 1583
Ion Ratio Lower Upper
63 100
98 6.9 2.9 8.6
100 0.0 3.6 10.8

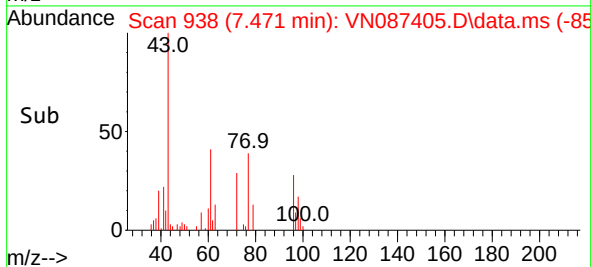
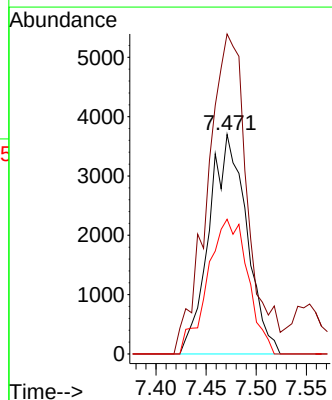
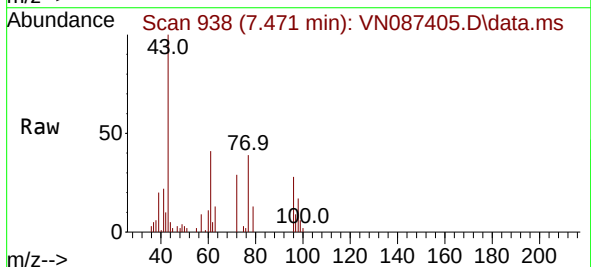
Manual Integrations
APPROVED

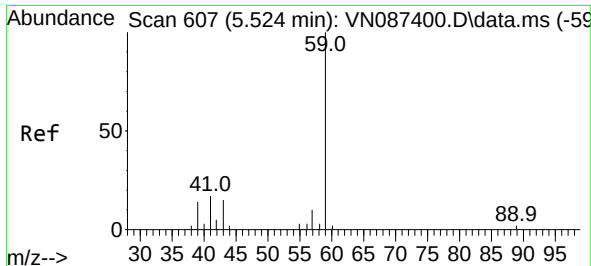
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#22
cis-1,2-Dichloroethene
Concen: 5.031 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

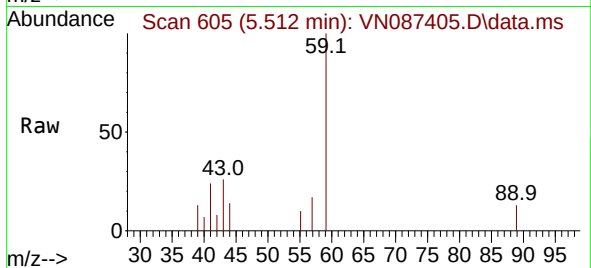
Tgt Ion: 96 Resp: 9652
Ion Ratio Lower Upper
96 100
61 150.4 120.4 180.6
98 62.6 54.0 81.0





#23
tert-Butyl Alcohol
Concen: 29.508 ug/l m
RT: 5.512 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

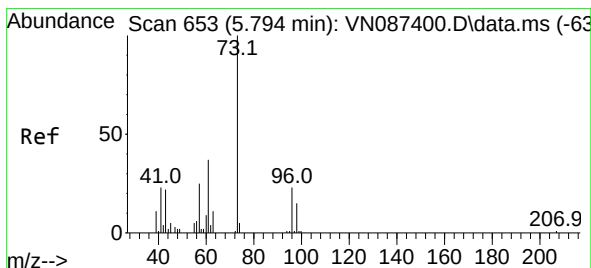
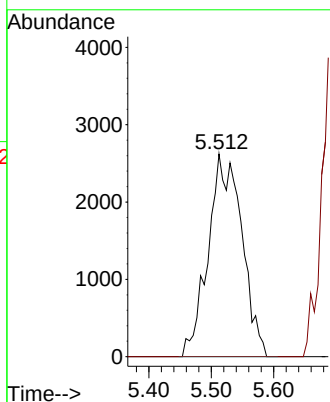
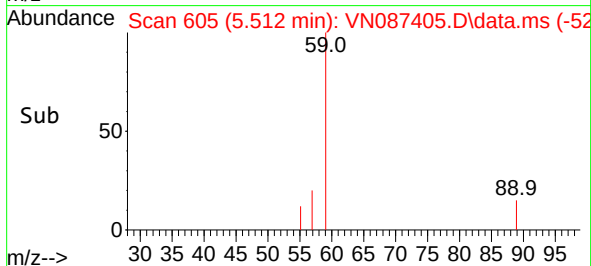
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 59 Resp: 983
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

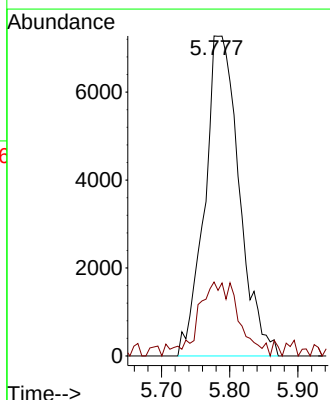
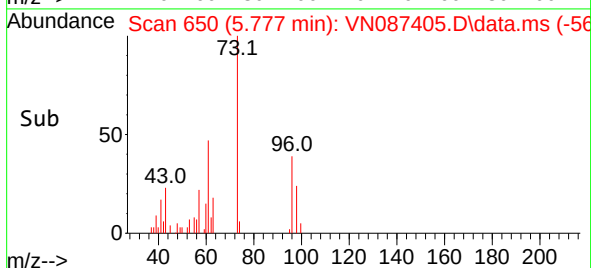
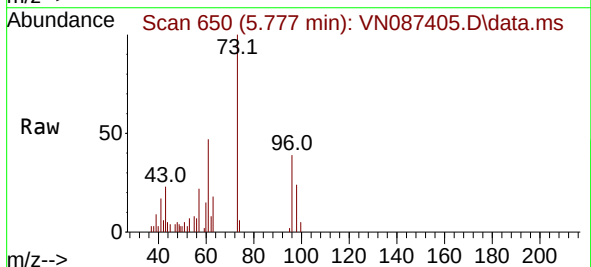
Manual Integrations
APPROVED

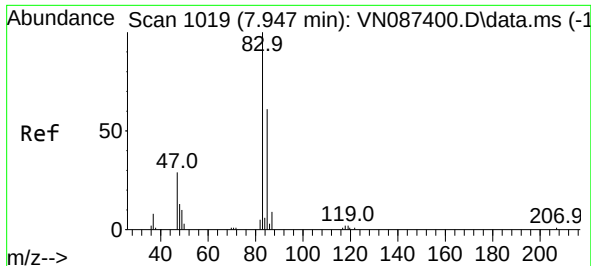
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#24
Methyl tert-Butyl Ether
Concen: 4.856 ug/l
RT: 5.777 min Scan# 650
Delta R.T. -0.018 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

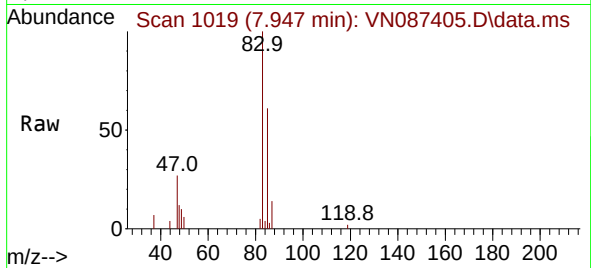
Tgt Ion: 73 Resp: 25665
Ion Ratio Lower Upper
73 100
43 1.3 17.7 26.5#





#25
Chloroform
Concen: 5.373 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

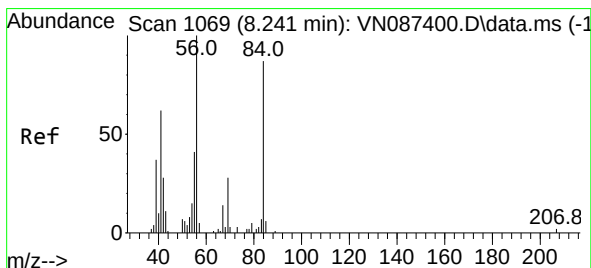
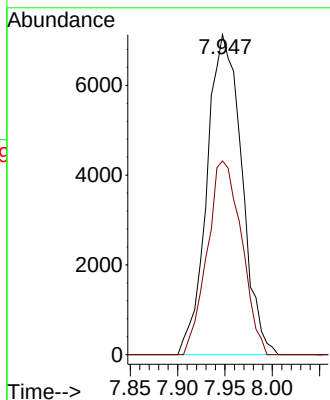
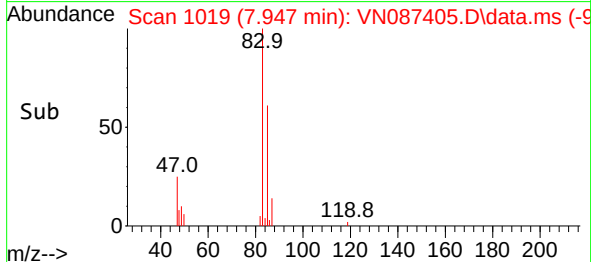
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



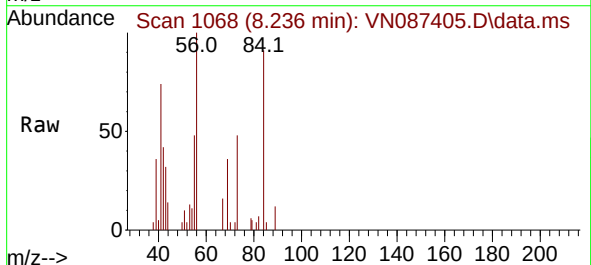
Tgt Ion: 83 Resp: 18204
Ion Ratio Lower Upper
83 100
85 60.5 48.6 73.0

Manual Integrations
APPROVED

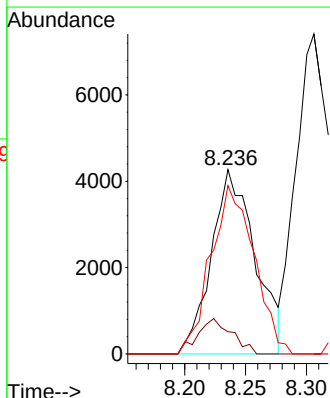
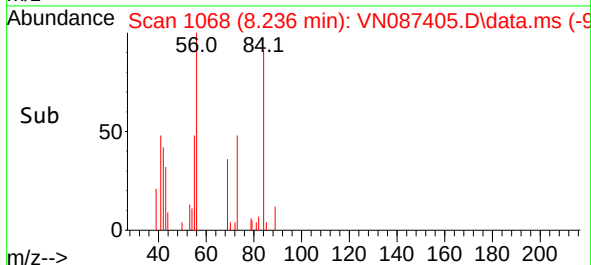
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

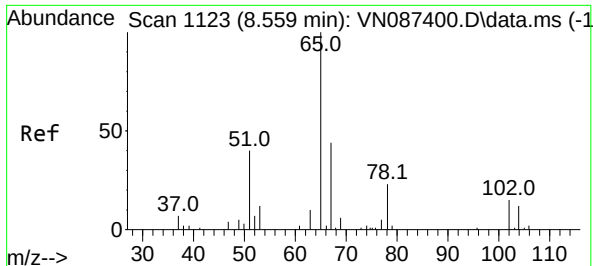


#26
Cyclohexane
Concen: 4.575 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36



Tgt Ion: 56 Resp: 10643
Ion Ratio Lower Upper
56 100
89 15.1 1.5 2.3#
84 90.7 71.2 106.8





#27

1,2-Dichloroethane-d4

Concen: 29.865 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN087405.D

Acq: 23 Jul 2025 14:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 65 Resp: 67650

Ion Ratio Lower Upper

65 100

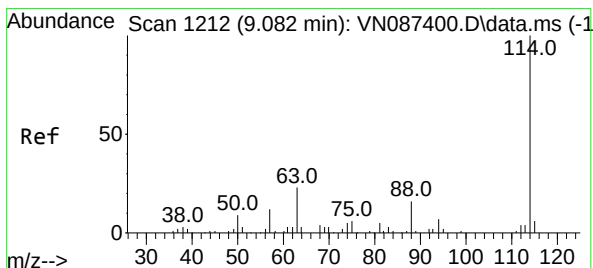
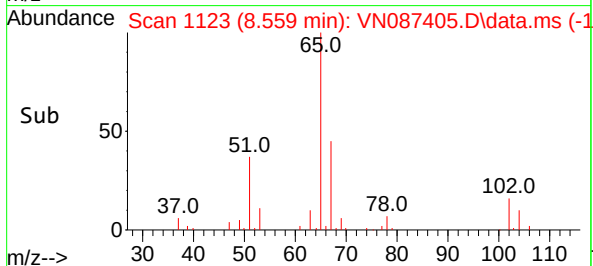
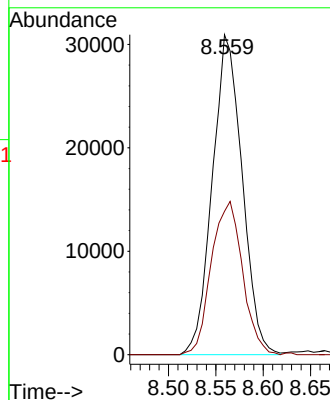
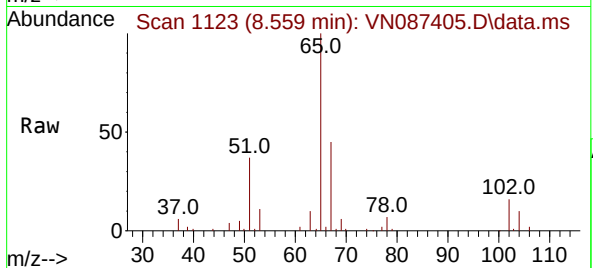
67 50.2 40.2 60.4

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: VN087405.D

Acq: 23 Jul 2025 14:36

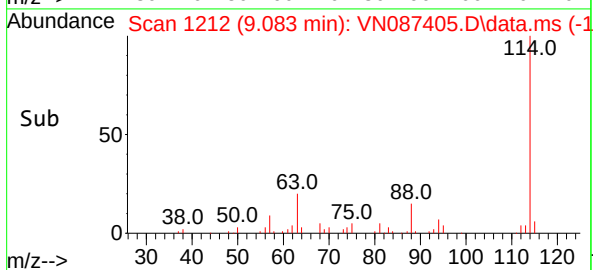
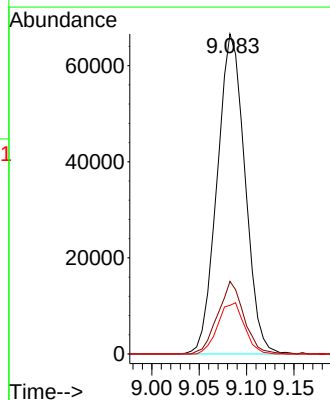
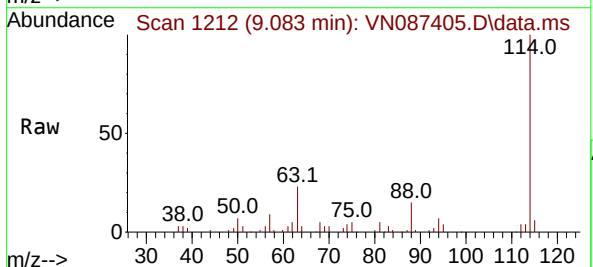
Tgt Ion:114 Resp: 136109

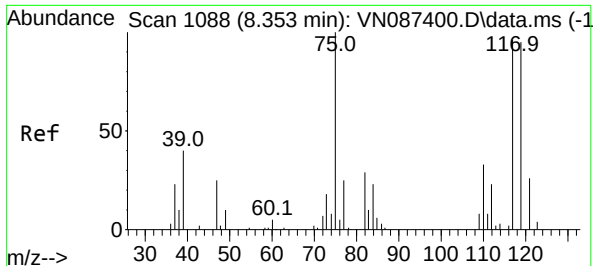
Ion Ratio Lower Upper

114 100

63 21.3 16.8 25.2

88 15.3 12.5 18.7





#29

1,1-Dichloropropene

Concen: 4.618 ug/l

RT: 8.353 min Scan# 10628

Delta R.T. 0.000 min

Lab File: VN087405.D

Acq: 23 Jul 2025 14:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

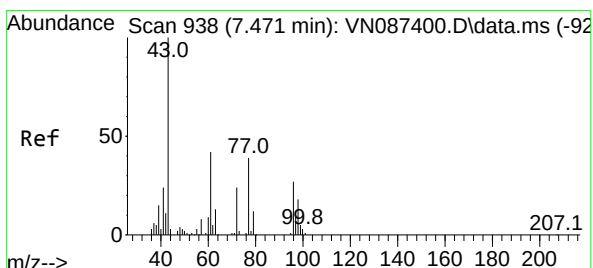
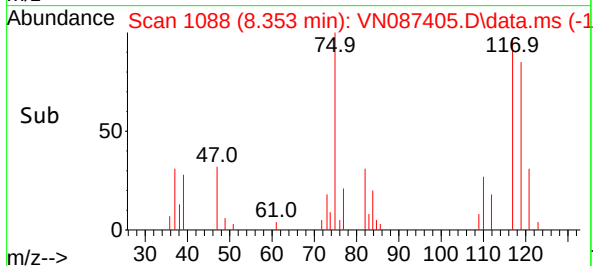
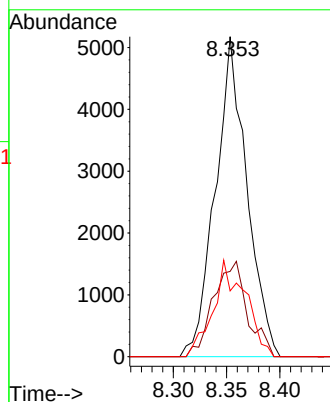
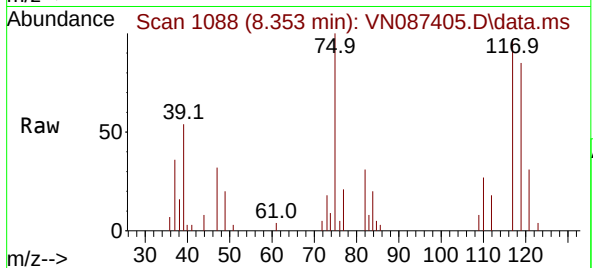
Tgt Ion:	75	Resp:	10628
Ion Ratio	Lower	Upper	
75	100		
110	29.7	0.0	66.4
77	17.0	0.0	61.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#30

2-Butanone

Concen: 23.402 ug/l

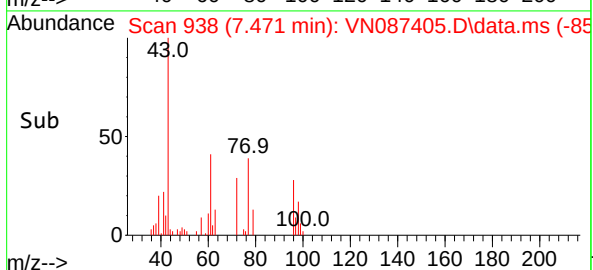
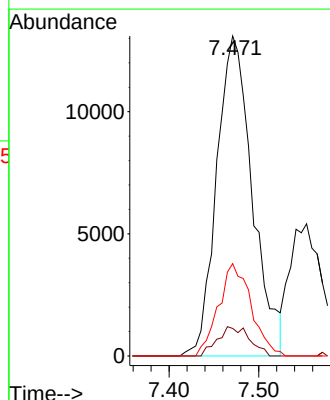
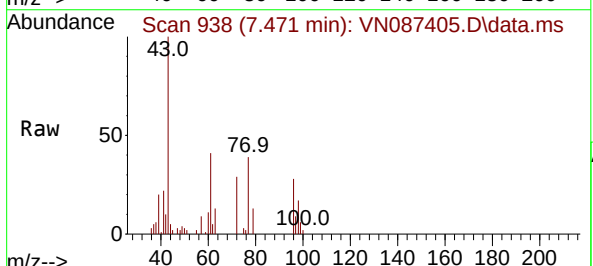
RT: 7.471 min Scan# 938

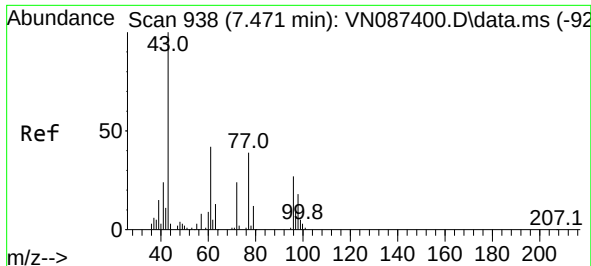
Delta R.T. 0.000 min

Lab File: VN087405.D

Acq: 23 Jul 2025 14:36

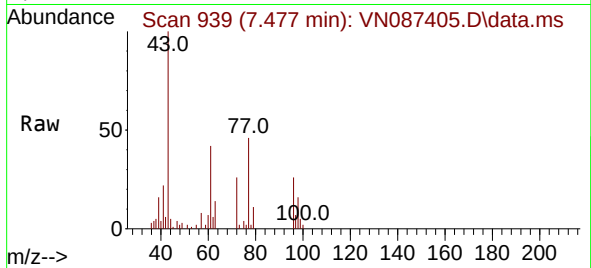
Tgt Ion:	43	Resp:	36231
Ion Ratio	Lower	Upper	
43	100		
57	5.3	6.6	9.8#
72	26.3	20.6	30.8





#31
2,2-Dichloropropane
Concen: 4.900 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

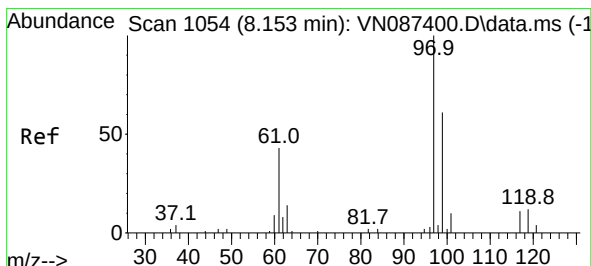
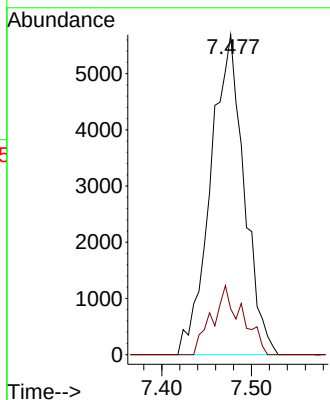
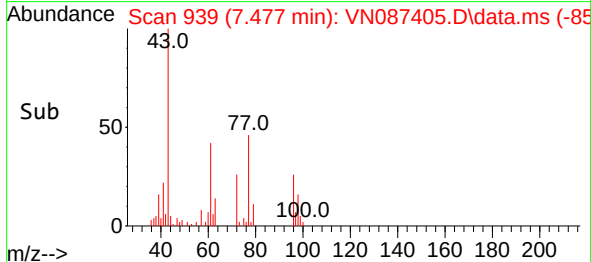
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



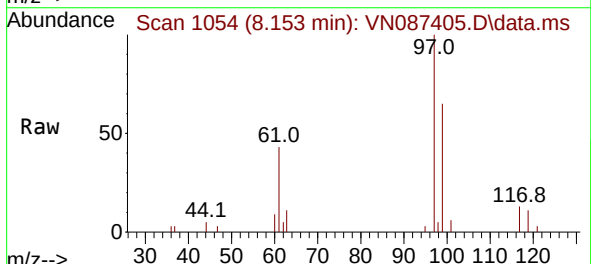
Tgt Ion: 77 Resp: 1480
Ion Ratio Lower Upper
77 100
97 8.5 17.1 25.7

Manual Integrations
APPROVED

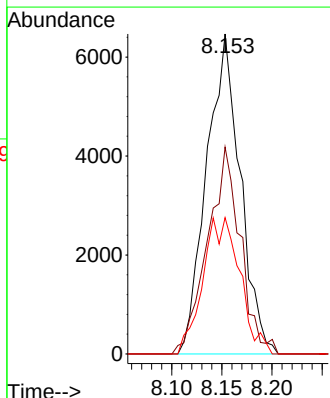
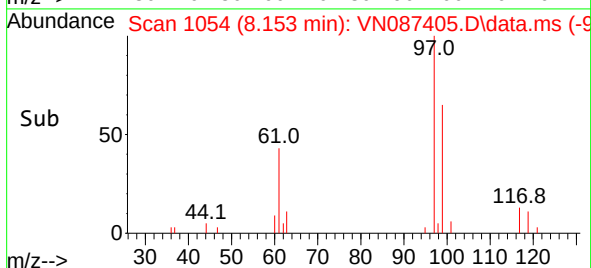
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

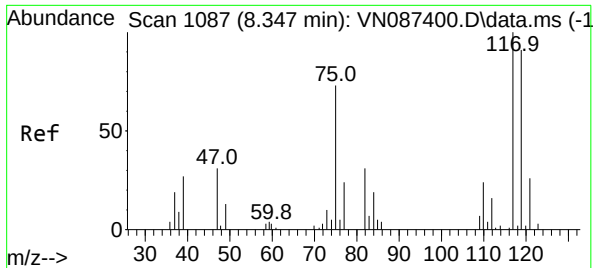


#32
1,1,1-Trichloroethane
Concen: 5.051 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36



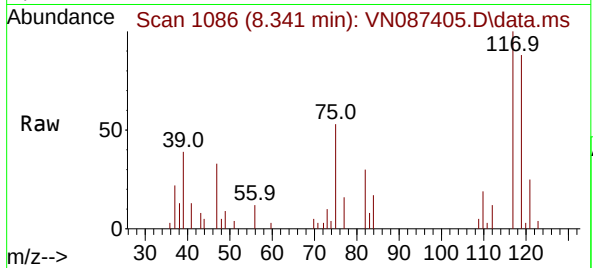
Tgt Ion: 97 Resp: 15107
Ion Ratio Lower Upper
97 100
99 62.3 51.0 76.6
61 23.6 36.1 54.1





#33
Carbon Tetrachloride
Concen: 4.847 ug/l
RT: 8.341 min Scan# 1107
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

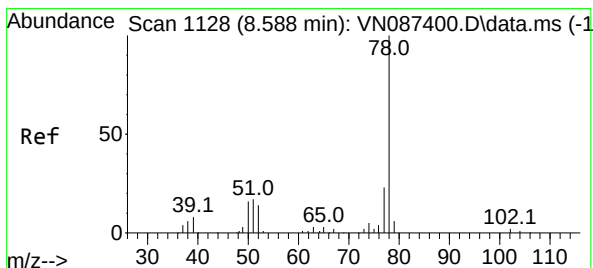
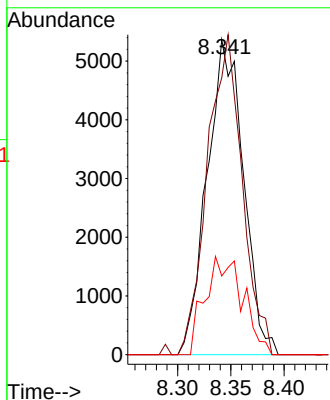
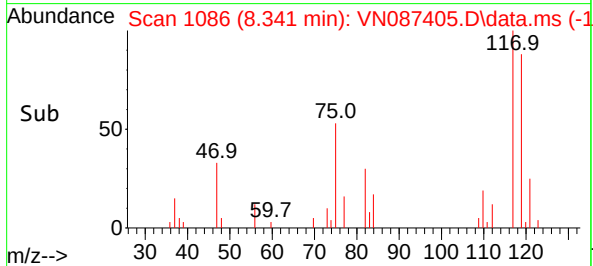
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



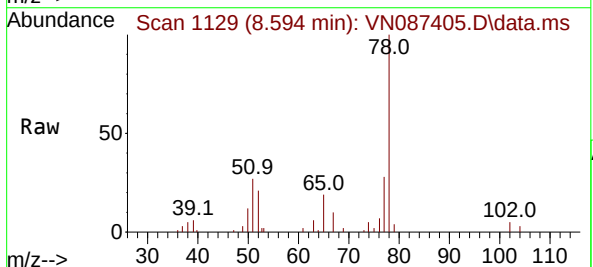
Tgt Ion:117 Resp: 12730
Ion Ratio Lower Upper
117 100
119 87.8 72.7 109.1
121 25.0 21.1 31.7

Manual Integrations
APPROVED

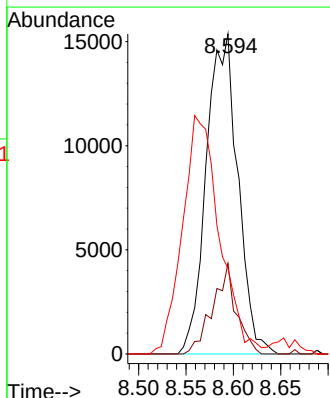
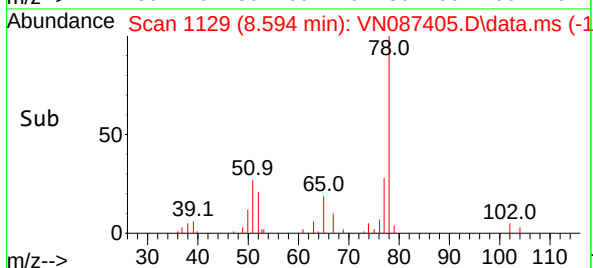
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

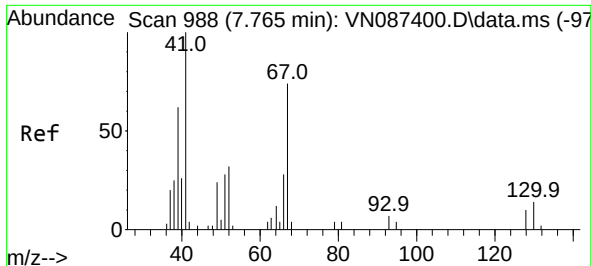


#34
Benzene
Concen: 4.856 ug/l
RT: 8.594 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36



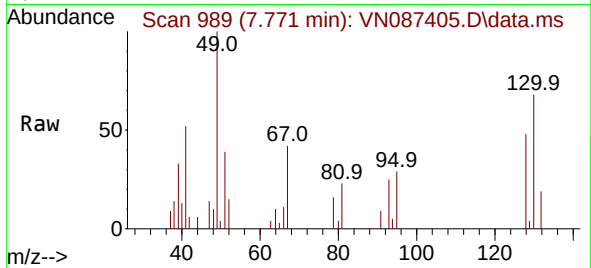
Tgt Ion: 78 Resp: 35613
Ion Ratio Lower Upper
78 100
77 28.3 18.2 27.2#
51 23.0 13.8 20.8#





#35
Methacrylonitrile
Concen: 4.138 ug/l m
RT: 7.771 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

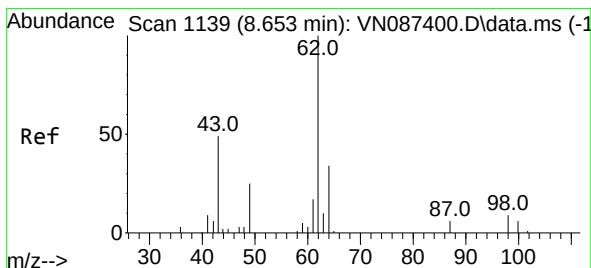
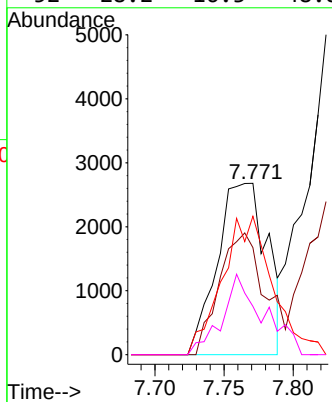
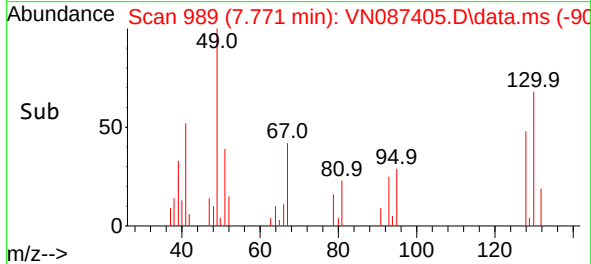
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



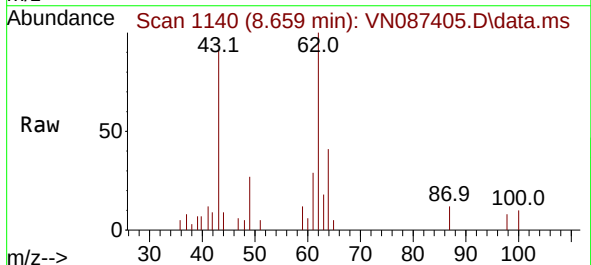
Tgt Ion: 41 Resp: 673
Ion Ratio Lower Upper
41 100
39 62.4 31.0 93.0
67 80.8 36.8 110.3
52 28.2 16.3 48.8

Manual Integrations
APPROVED

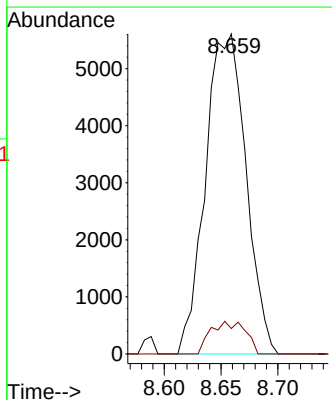
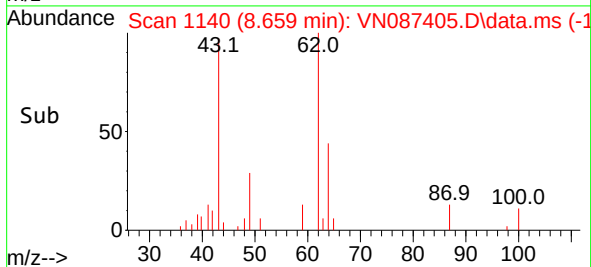
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

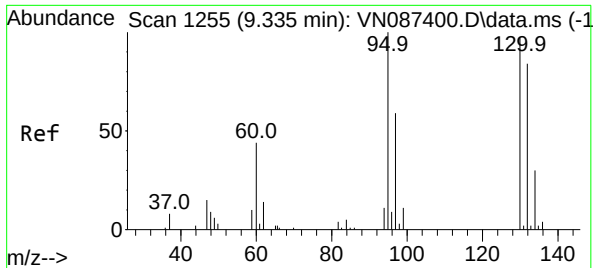


#36
1,2-Dichloroethane
Concen: 4.741 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. 0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36



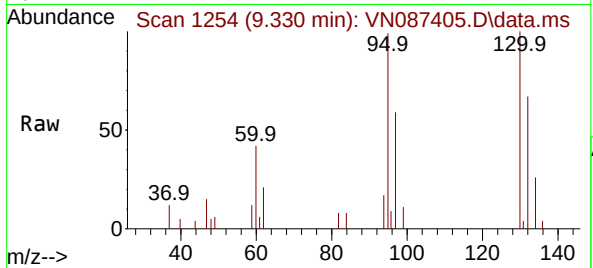
Tgt Ion: 62 Resp: 13911
Ion Ratio Lower Upper
62 100
98 5.5 6.6 9.8#





#37
Trichloroethene
Concen: 5.115 ug/l
RT: 9.330 min Scan# 1255
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

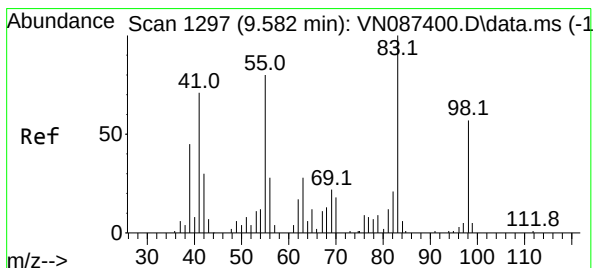
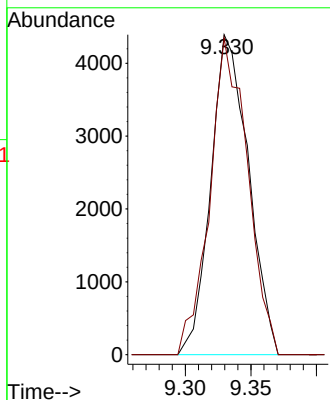
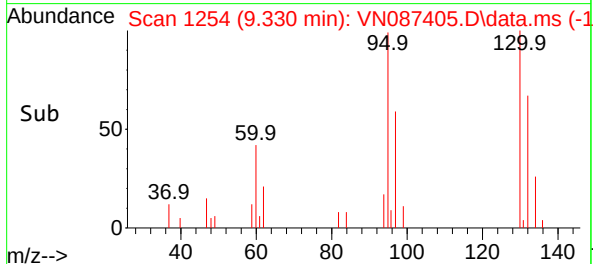
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



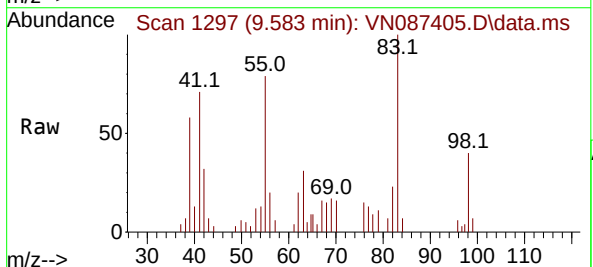
Tgt Ion:130 Resp: 8770
Ion Ratio Lower Upper
130 100
95 99.0 82.4 123.6

Manual Integrations
APPROVED

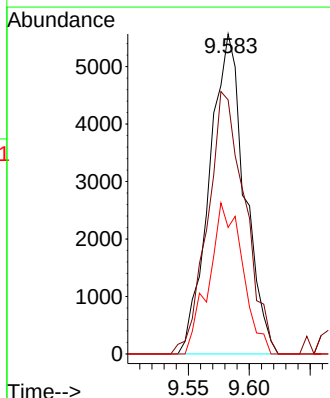
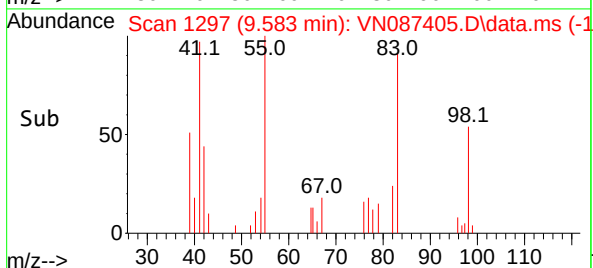
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

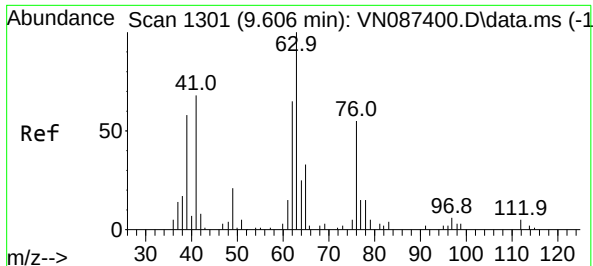


#38
Methylcyclohexane
Concen: 4.728 ug/l
RT: 9.583 min Scan# 1297
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36



Tgt Ion: 83 Resp: 11257
Ion Ratio Lower Upper
83 100
55 86.3 40.9 122.8
98 45.1 25.6 76.6





#39

1,2-Dichloropropane

Concen: 4.881 ug/l

RT: 9.606 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087405.D

Acq: 23 Jul 2025 14:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 899

Ion Ratio Lower Upper

63 100

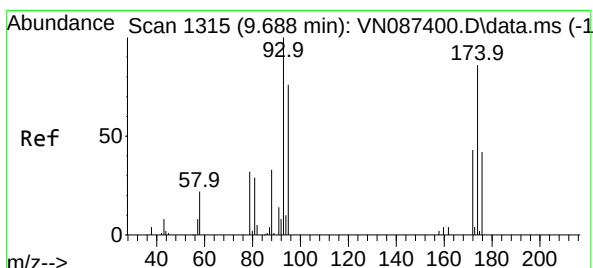
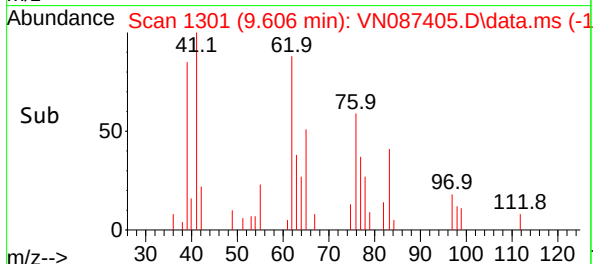
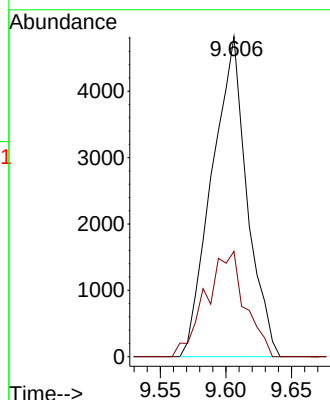
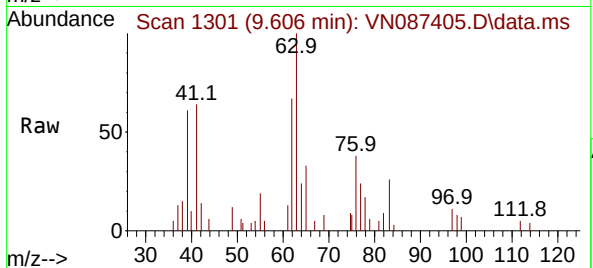
65 32.9 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#40

Dibromomethane

Concen: 4.765 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN087405.D

Acq: 23 Jul 2025 14:36

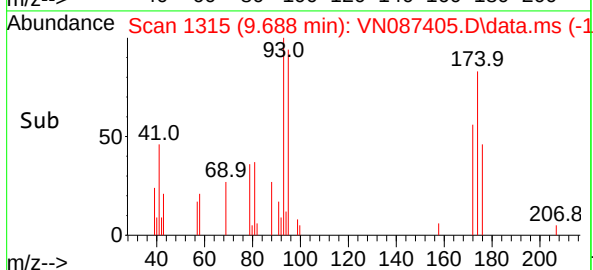
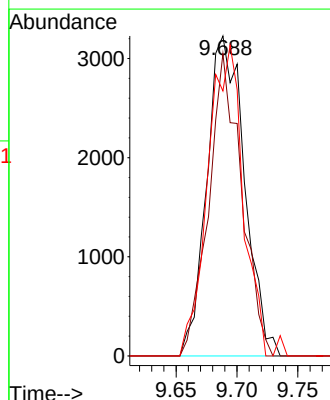
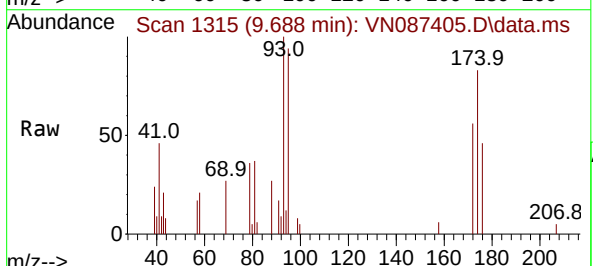
Tgt Ion: 93 Resp: 6931

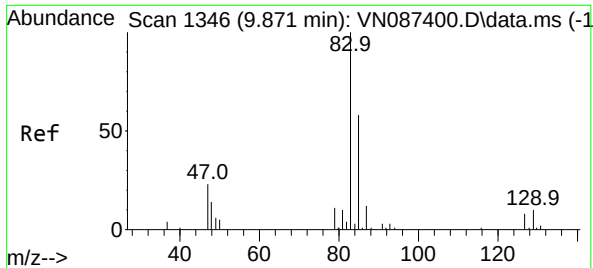
Ion Ratio Lower Upper

93 100

95 82.3 0.0 161.8

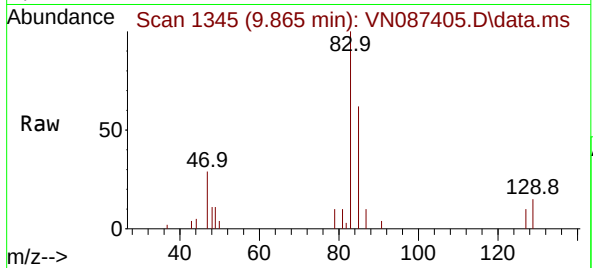
174 90.4 0.0 177.6





#41
Bromodichloromethane
Concen: 4.809 ug/l
RT: 9.865 min Scan# 1345
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

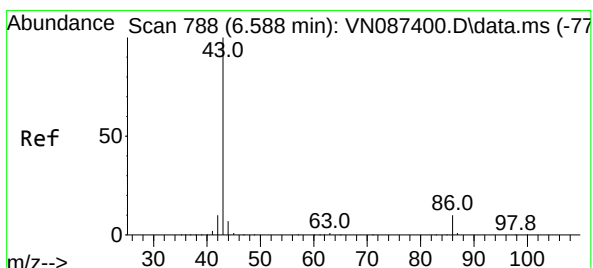
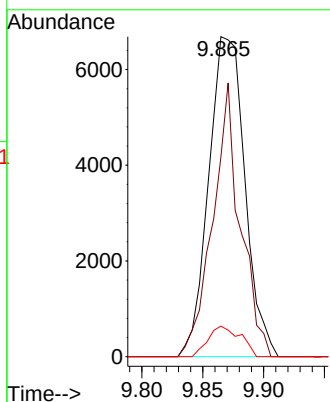
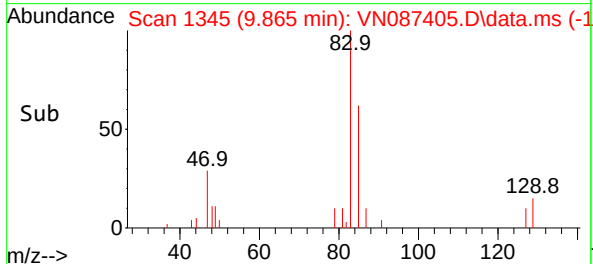
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 83 Resp: 13849
Ion Ratio Lower Upper
83 100
85 62.4 46.2 69.2
127 9.5 6.1 9.1

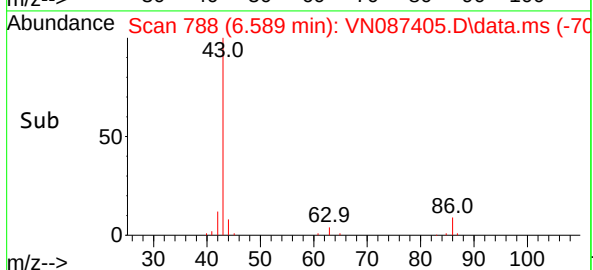
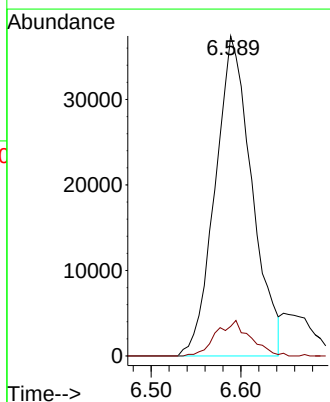
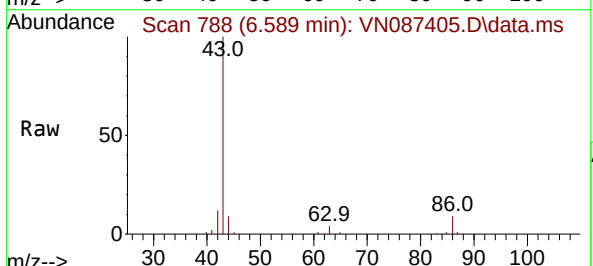
Manual Integrations
APPROVED

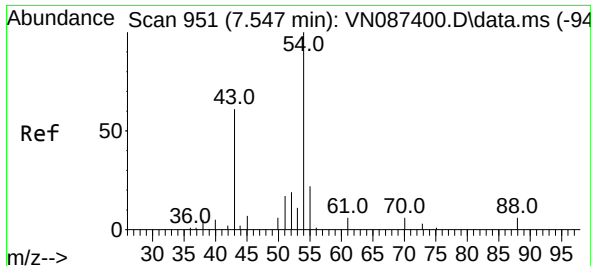
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#42
Vinyl Acetate
Concen: 20.042 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

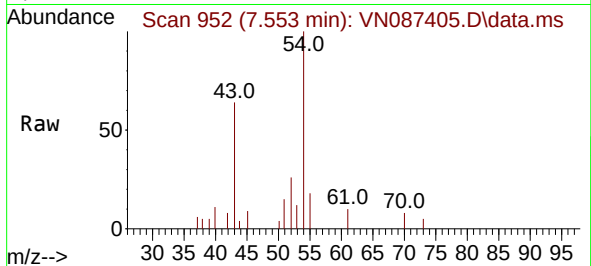
Tgt Ion: 43 Resp: 106258
Ion Ratio Lower Upper
43 100
86 6.3 8.1 12.1





#43
Ethyl Acetate
Concen: 4.355 ug/l
RT: 7.553 min Scan# 911
Delta R.T. 0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

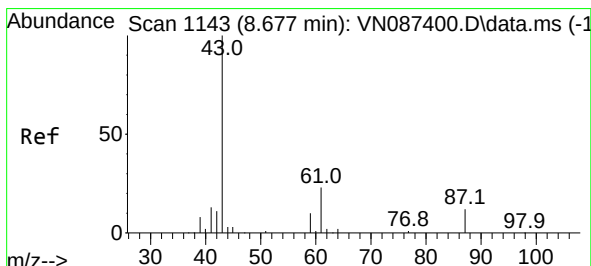
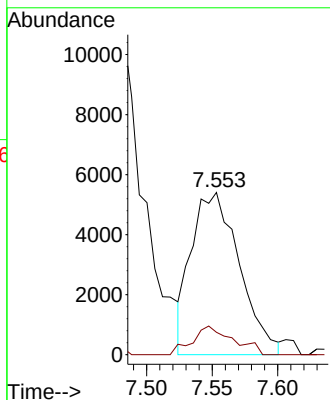
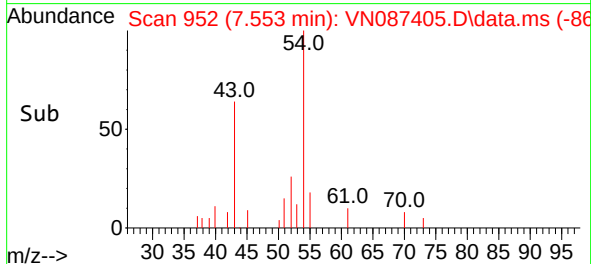
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



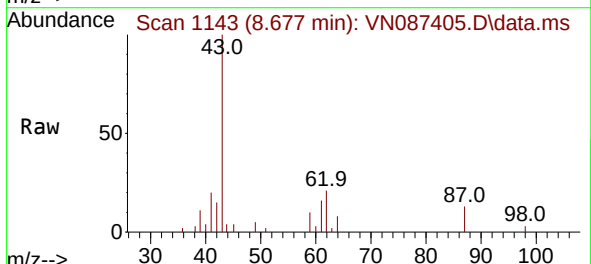
Tgt Ion: 43 Resp: 1375
Ion Ratio Lower Upper
43 100
45 11.3 5.6 8.4

Manual Integrations
APPROVED

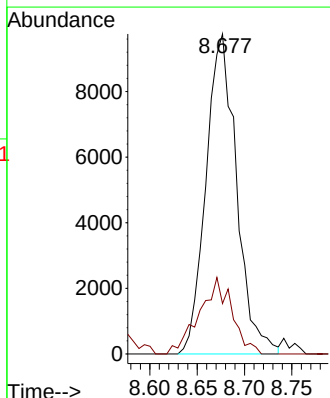
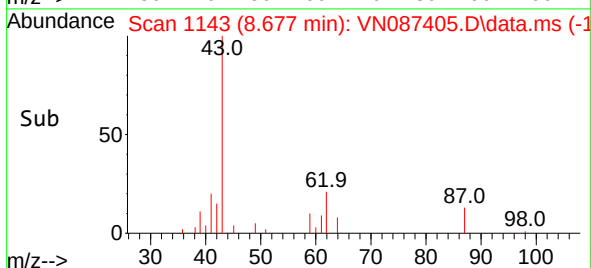
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

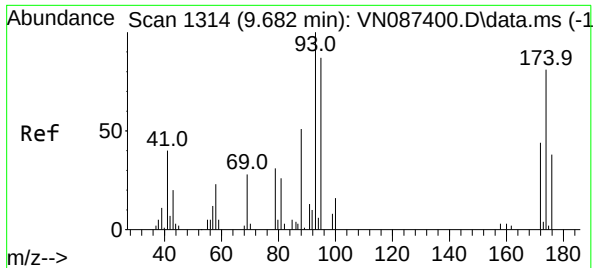


#44
Isopropyl Acetate
Concen: 4.449 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36



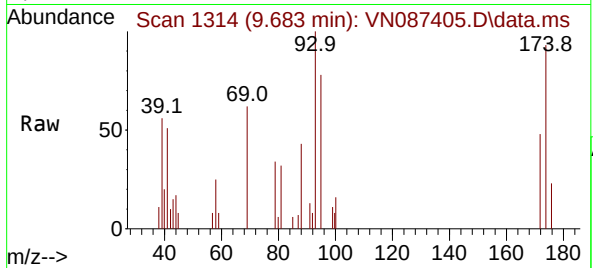
Tgt Ion: 43 Resp: 21882
Ion Ratio Lower Upper
43 100
61 24.6 20.1 30.1





#45
 1,4-Dioxane
 Concen: 90.520 ug/l
 RT: 9.683 min Scan# 1314
 Delta R.T. 0.000 min
 Lab File: VN087405.D
 Acq: 23 Jul 2025 14:36

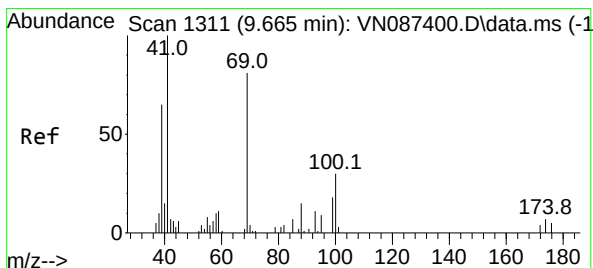
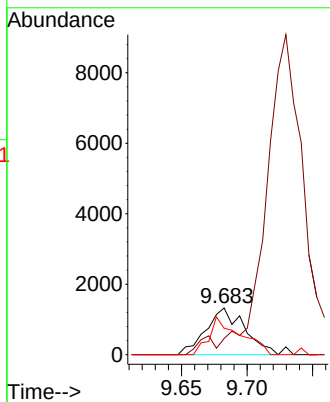
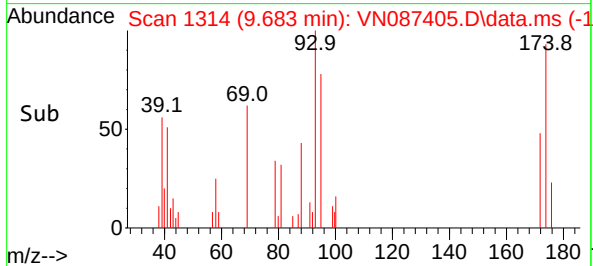
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



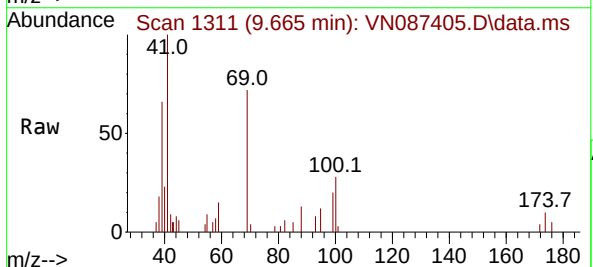
Tgt Ion: 88 Resp: 2724
 Ion Ratio Lower Upper
 88 100
 43 21.7 29.6 44.4
 58 64.7 23.5 35.3

Manual Integrations
 APPROVED

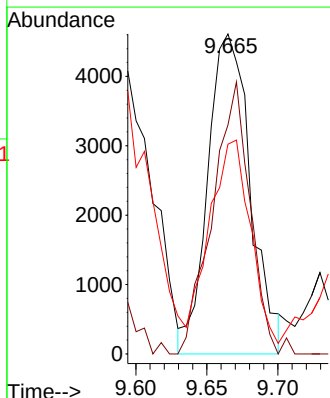
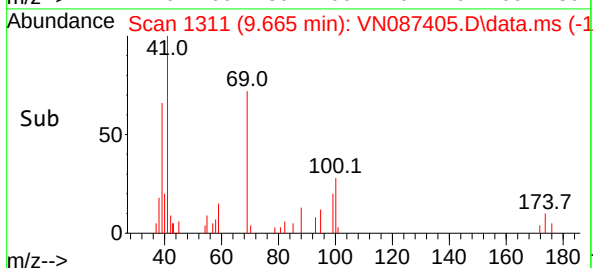
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

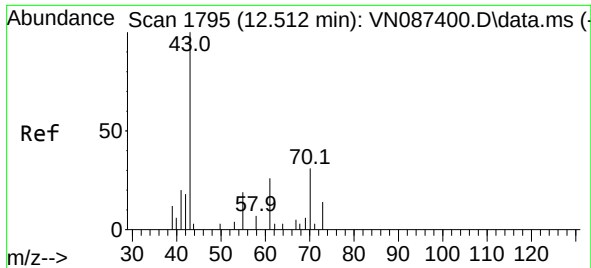


#46
 Methyl methacrylate
 Concen: 4.254 ug/l
 RT: 9.665 min Scan# 1311
 Delta R.T. 0.000 min
 Lab File: VN087405.D
 Acq: 23 Jul 2025 14:36



Tgt Ion: 41 Resp: 9609
 Ion Ratio Lower Upper
 41 100
 69 77.8 39.5 118.5
 39 67.6 31.6 94.7





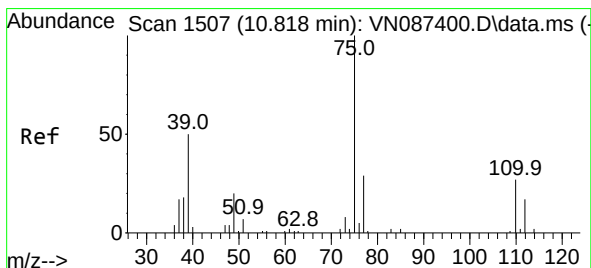
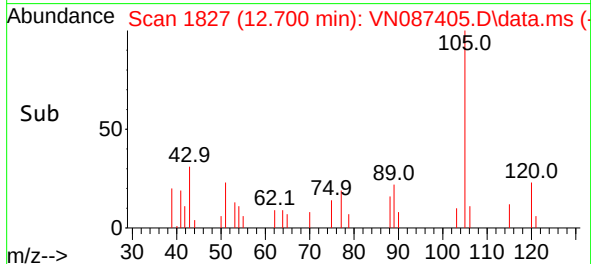
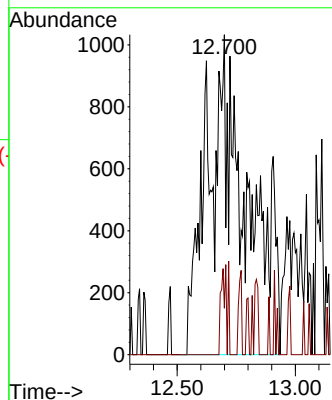
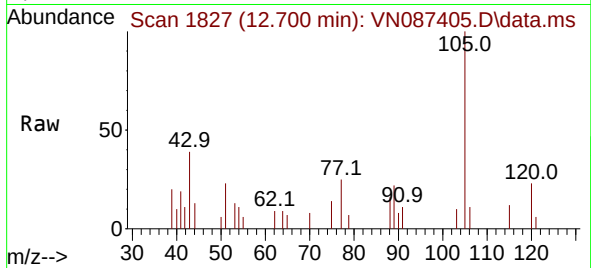
#47
n-amy1 Acetate
Concen: 3.942 ug/l m
RT: 12.700 min Scan# 1183
Delta R.T. 0.188 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 1183
Ion Ratio Lower Upper
43 100
55 0.0 0.6 0.8

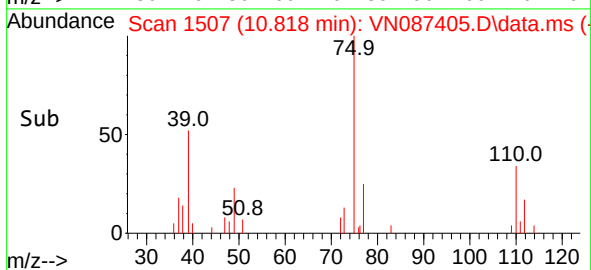
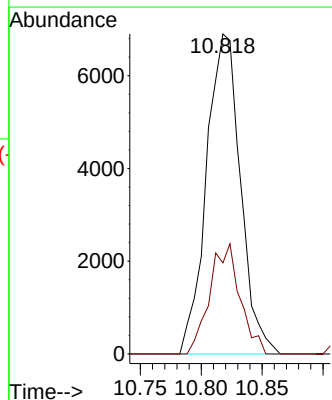
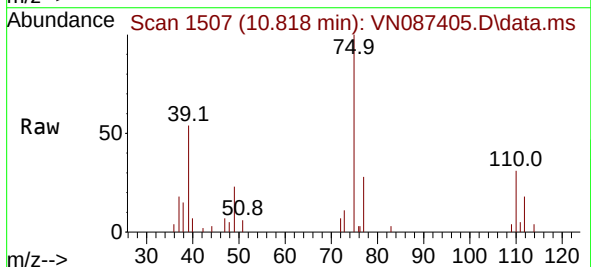
Manual Integrations
APPROVED

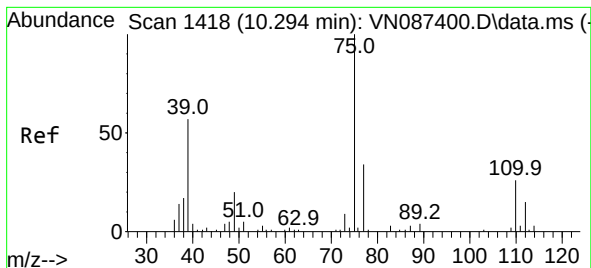
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#48
t-1,3-Dichloropropene
Concen: 4.419 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

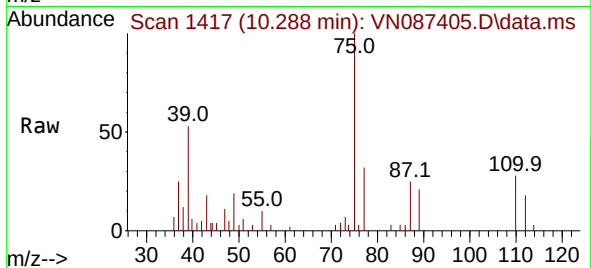
Tgt Ion: 75 Resp: 13398
Ion Ratio Lower Upper
75 100
77 28.4 23.6 35.4





#49
 cis-1,3-Dichloropropene
 Concen: 4.308 ug/l
 RT: 10.288 min Scan# 1417
 Delta R.T. -0.006 min
 Lab File: VN087405.D
 Acq: 23 Jul 2025 14:36

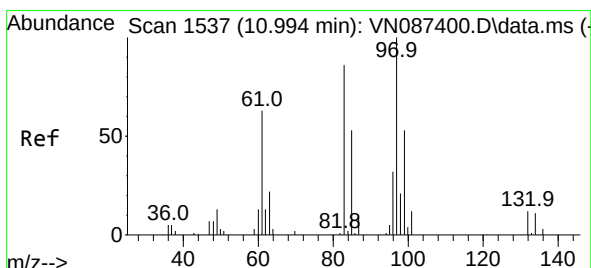
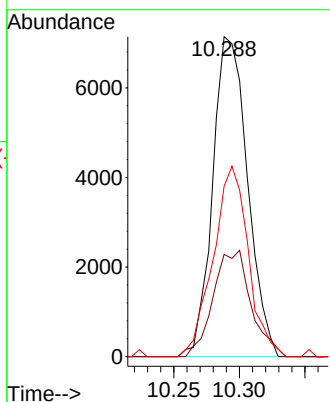
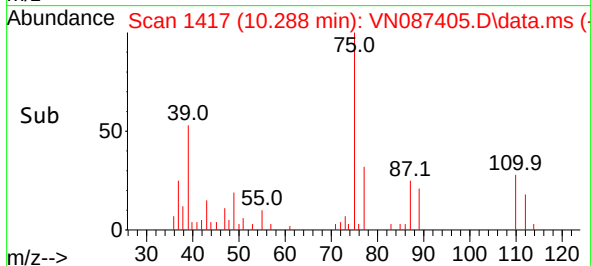
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



Tgt Ion: 75 Resp: 13200
 Ion Ratio Lower Upper
 75 100
 77 32.0 27.4 41.0
 39 53.2 46.3 69.5

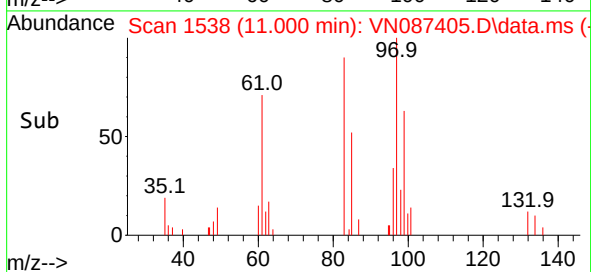
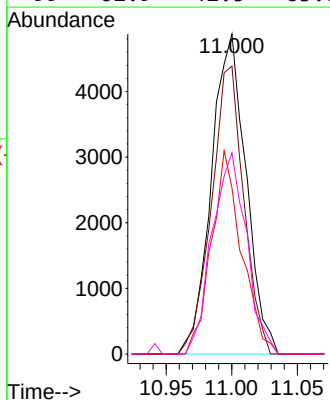
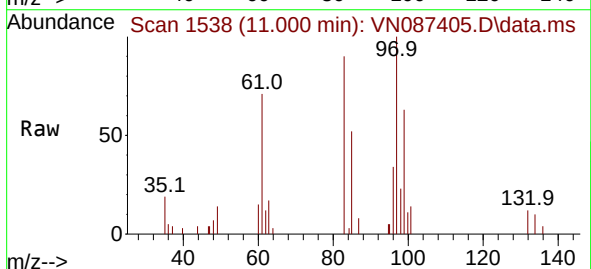
Manual Integrations
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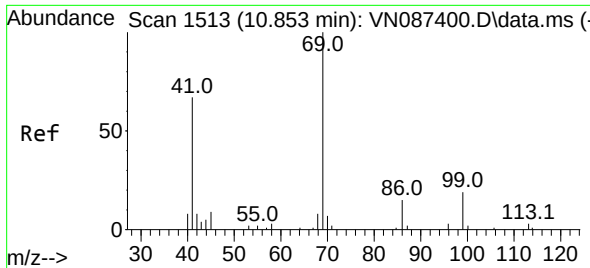
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#50
 1,1,2-Trichloroethane
 Concen: 4.802 ug/l
 RT: 11.000 min Scan# 1538
 Delta R.T. 0.006 min
 Lab File: VN087405.D
 Acq: 23 Jul 2025 14:36

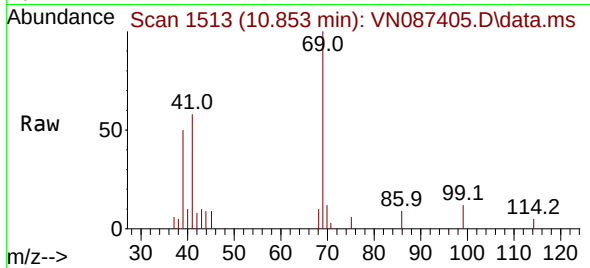
Tgt Ion: 97 Resp: 8953
 Ion Ratio Lower Upper
 97 100
 83 90.0 68.9 103.3
 85 52.0 42.2 63.2
 99 62.9 42.5 63.7





#51
Ethyl methacrylate
Concen: 3.519 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

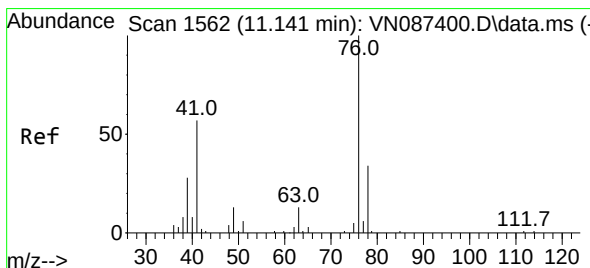
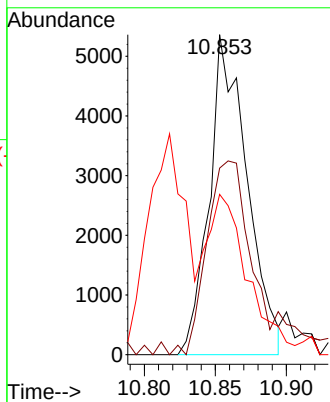
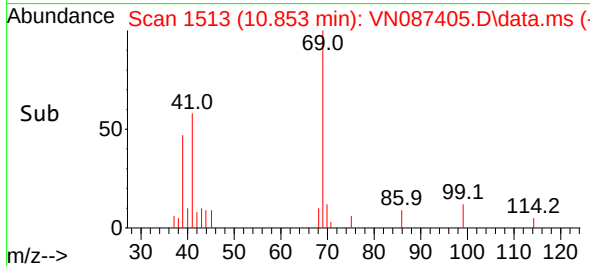
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



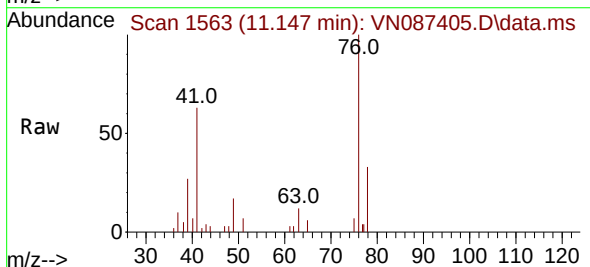
Tgt Ion: 69 Resp: 9910
Ion Ratio Lower Upper
69 100
41 55.3 33.7 101.1
39 41.2 21.6 65.0

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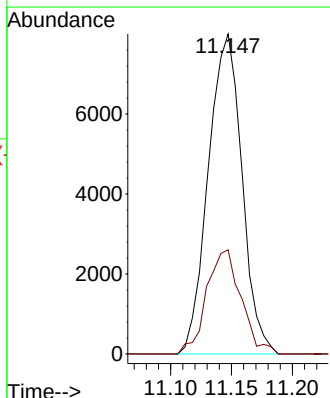
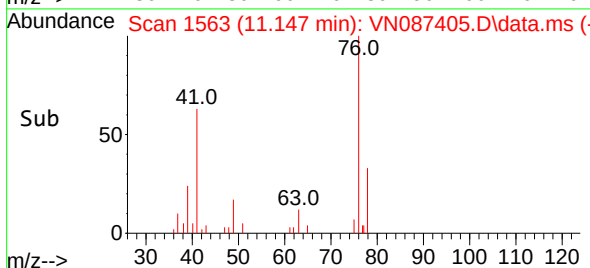
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

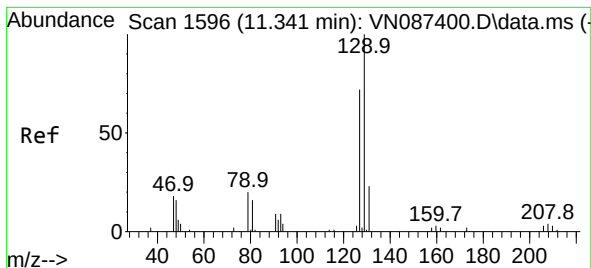


#52
1,3-Dichloropropane
Concen: 4.864 ug/l
RT: 11.147 min Scan# 1563
Delta R.T. 0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36



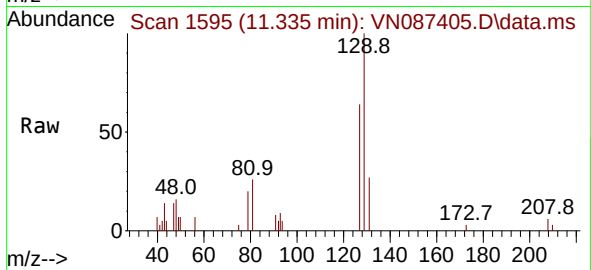
Tgt Ion: 76 Resp: 15380
Ion Ratio Lower Upper
76 100
78 32.3 0.0 67.4





#53
Dibromochloromethane
Concen: 4.439 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

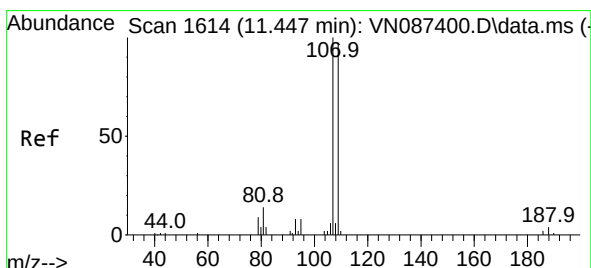
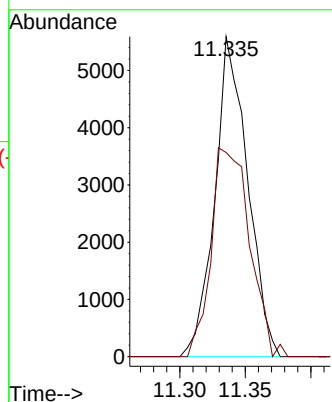
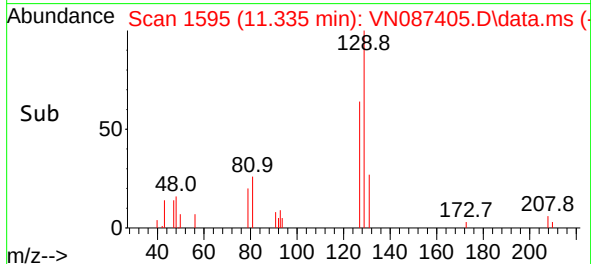
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:129 Resp: 972
Ion Ratio Lower Upper
129 100
127 75.8 38.7 116.1

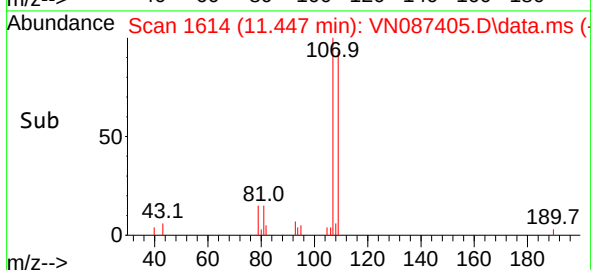
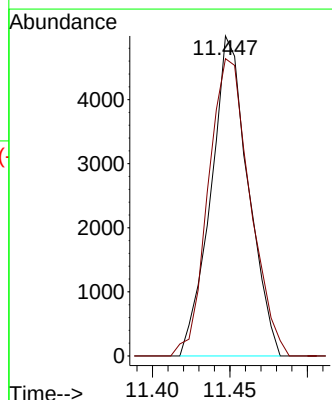
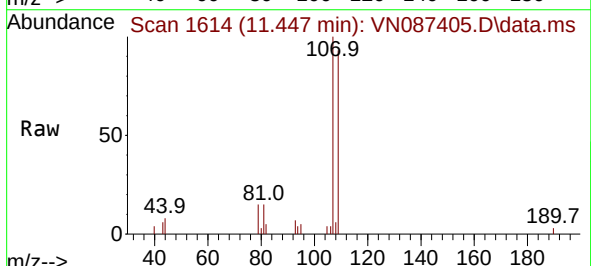
Manual Integrations
APPROVED

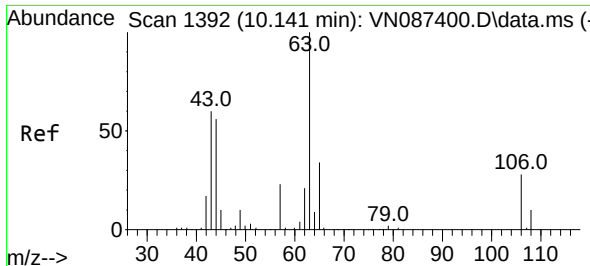
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#54
1,2-Dibromoethane
Concen: 4.271 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

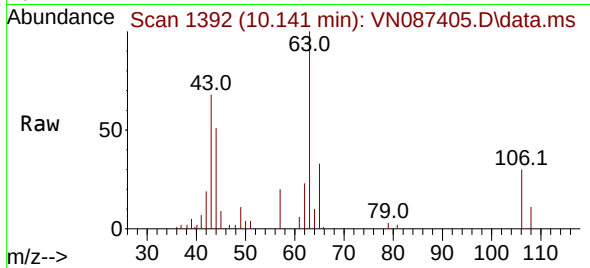
Tgt Ion:107 Resp: 8336
Ion Ratio Lower Upper
107 100
109 104.1 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 19.333 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

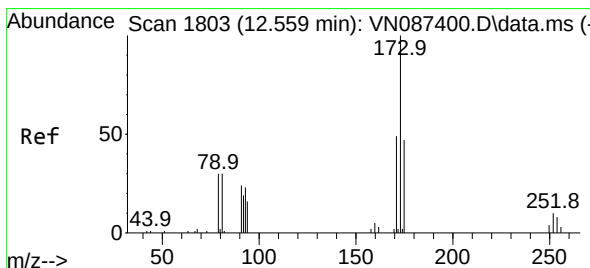
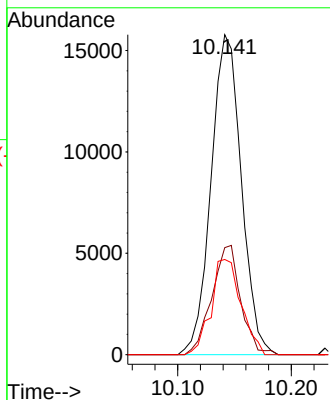
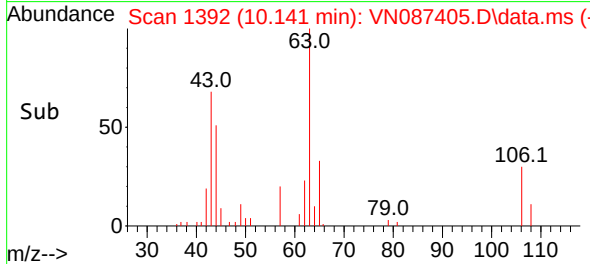
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 63 Resp: 2923
Ion Ratio Lower Upper
63 100
65 32.3 25.8 38.8
106 29.6 23.0 34.4

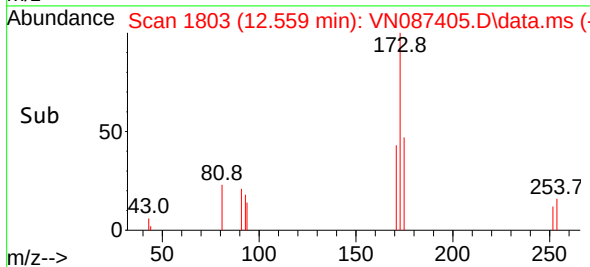
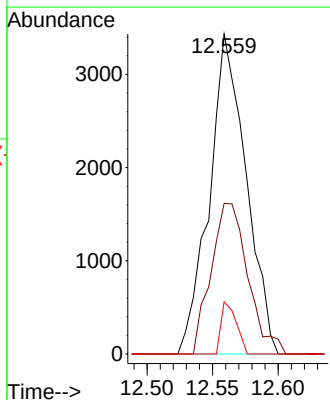
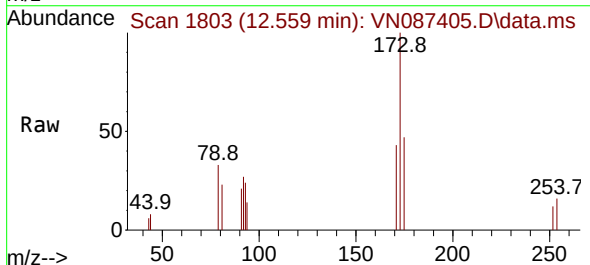
Manual Integrations
APPROVED

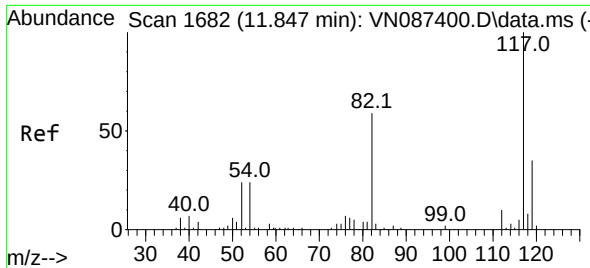
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#56
Bromoform
Concen: 4.325 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Tgt Ion:173 Resp: 6689
Ion Ratio Lower Upper
173 100
175 45.3 38.4 57.6
254 6.7 6.7 10.1#





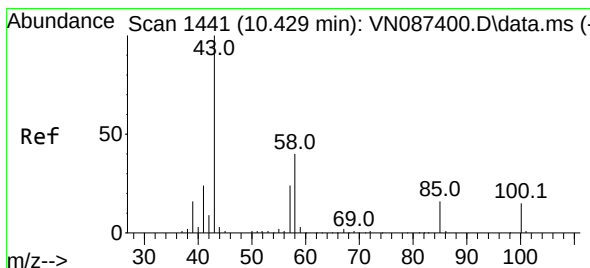
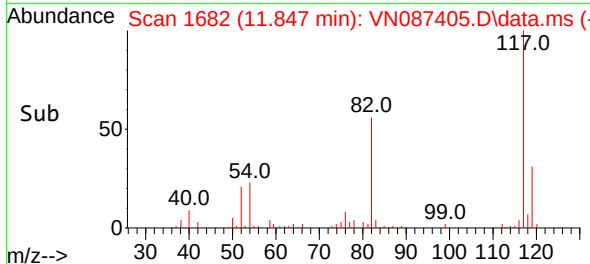
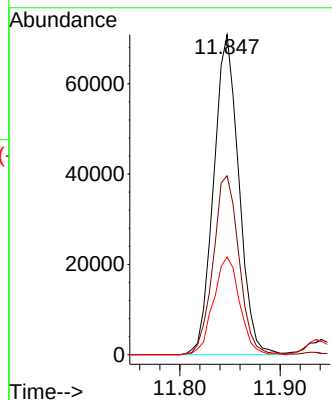
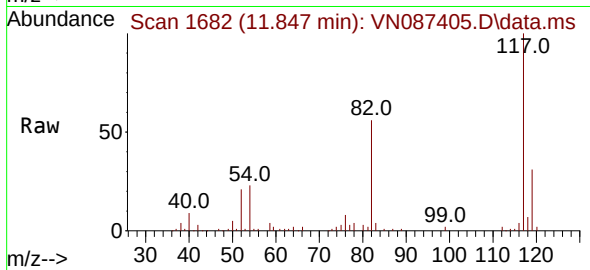
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 123438
Ion Ratio Lower Upper
117 100
82 57.4 44.1 66.1
119 31.7 25.4 38.2

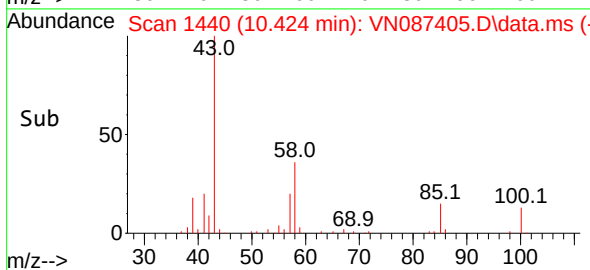
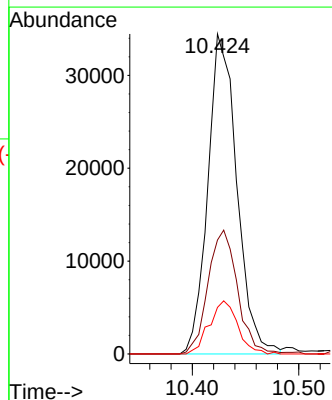
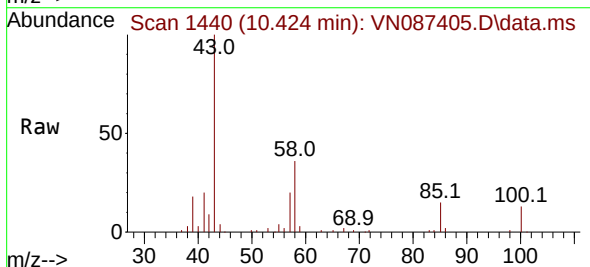
Manual Integrations
APPROVED

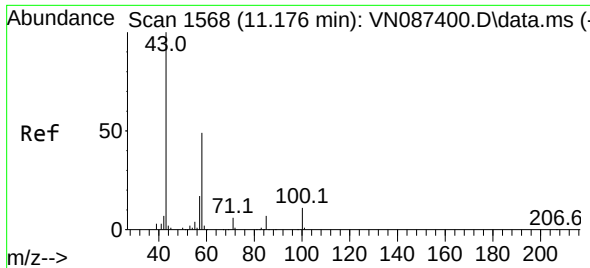
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#58
4-Methyl-2-Pentanone
Concen: 22.064 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

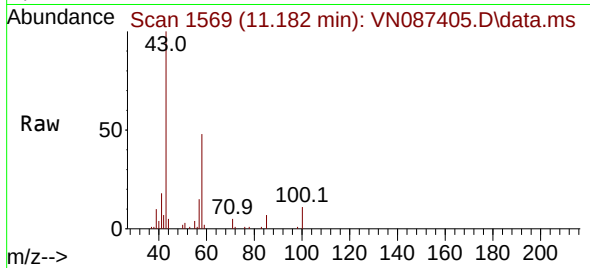
Tgt Ion: 43 Resp: 65261
Ion Ratio Lower Upper
43 100
58 39.2 29.5 44.3
85 16.2 13.3 19.9





#59
2-Hexanone
Concen: 18.263 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

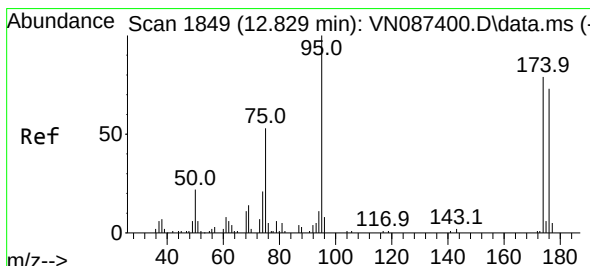
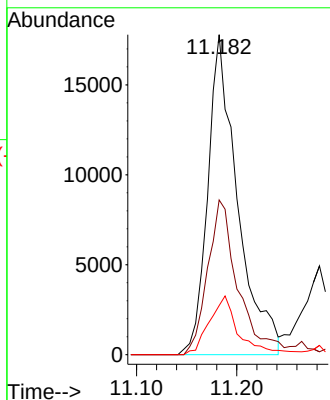
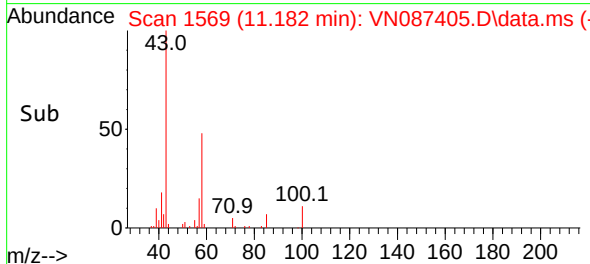
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 36744
Ion Ratio Lower Upper
43 100
58 49.1 40.5 60.7
57 18.3 14.0 21.0

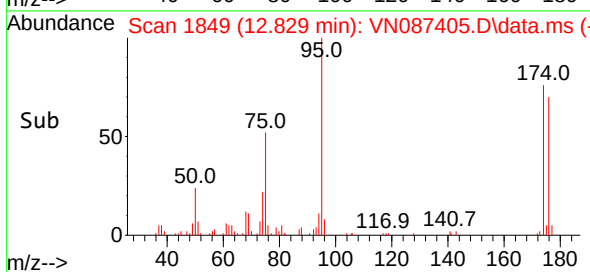
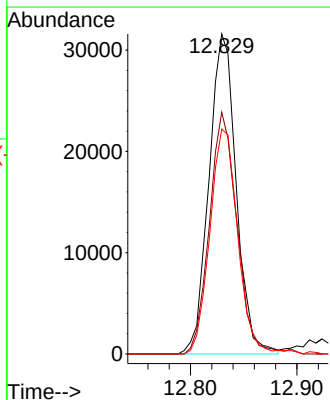
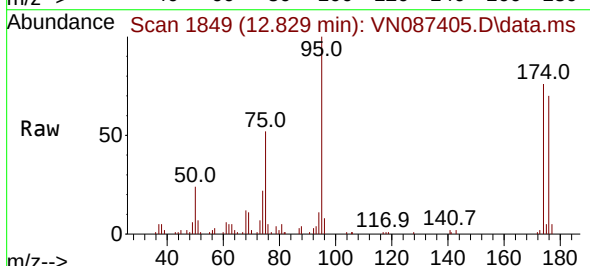
Manual Integrations
APPROVED

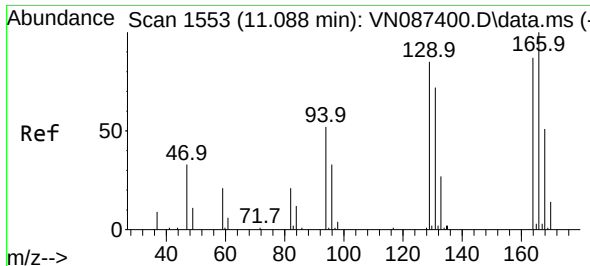
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#60
4-Bromofluorobenzene
Concen: 27.277 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

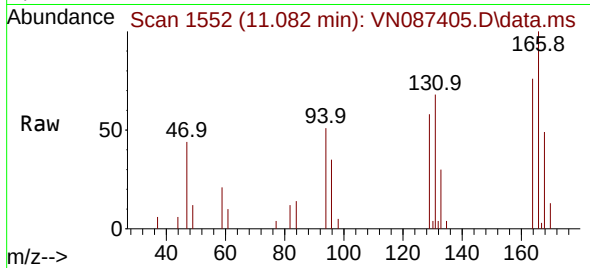
Tgt Ion: 95 Resp: 56143
Ion Ratio Lower Upper
95 100
174 76.2 62.1 93.1
176 71.4 57.9 86.9





#61
Tetrachloroethene
Concen: 5.178 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

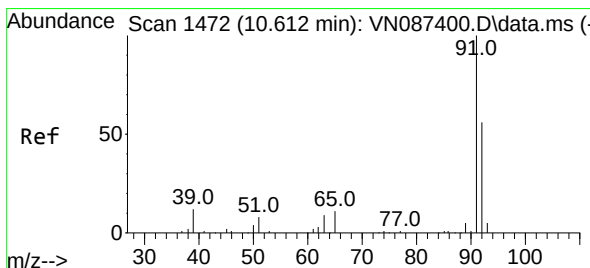
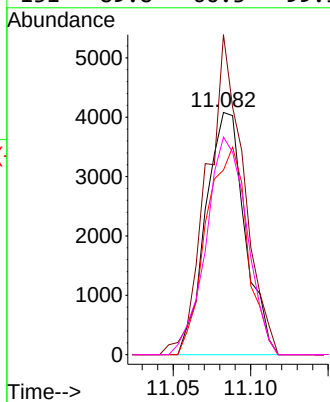
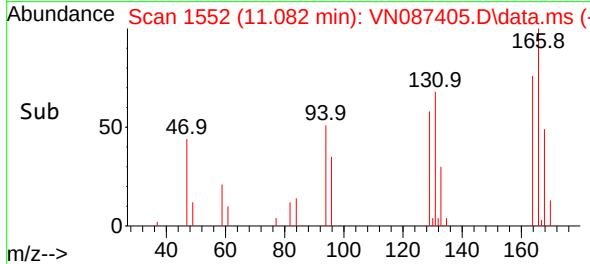
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



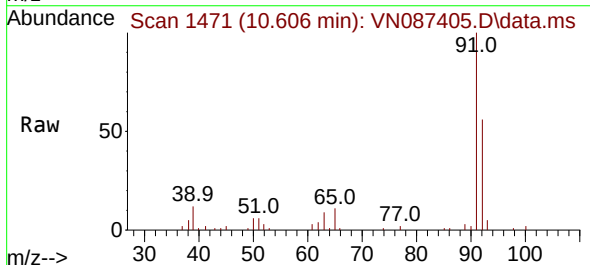
Tgt Ion:164 Resp: 7170
Ion Ratio Lower Upper
164 100
166 132.1 91.7 137.5
129 76.2 77.8 116.6
131 89.8 66.3 99.5

Manual Integrations
APPROVED

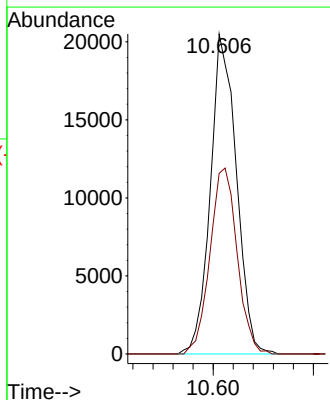
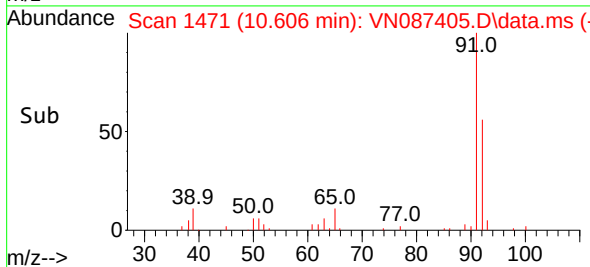
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

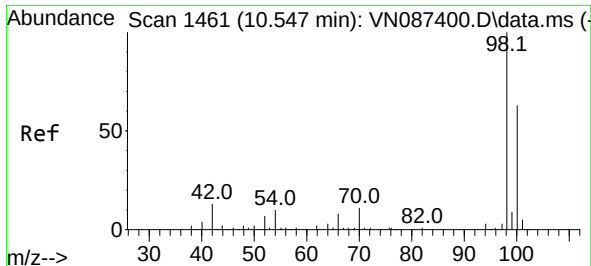


#62
Toluene
Concen: 4.951 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36



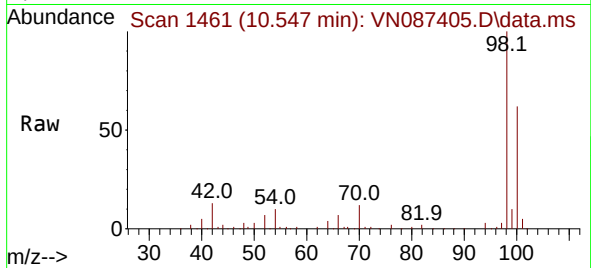
Tgt Ion: 91 Resp: 36845
Ion Ratio Lower Upper
91 100
92 60.8 47.4 71.0





#63
Toluene-d8
Concen: 30.204 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

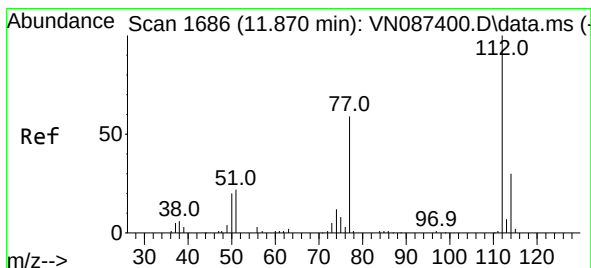
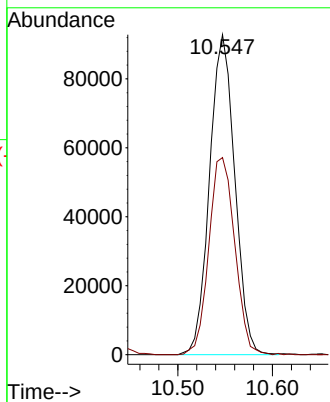
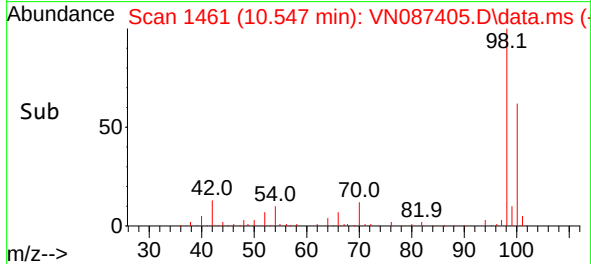
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



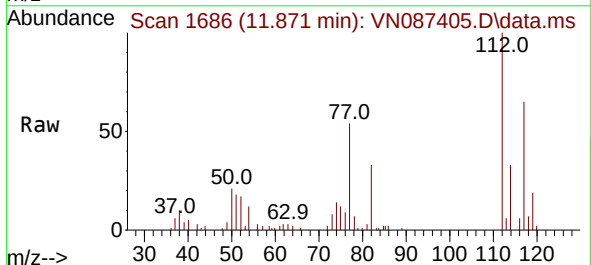
Tgt Ion: 98 Resp: 171658
Ion Ratio Lower Upper
98 100
100 63.3 51.1 76.7

Manual Integrations
APPROVED

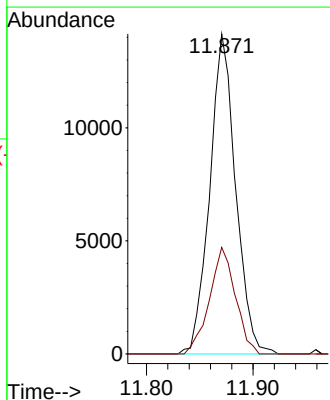
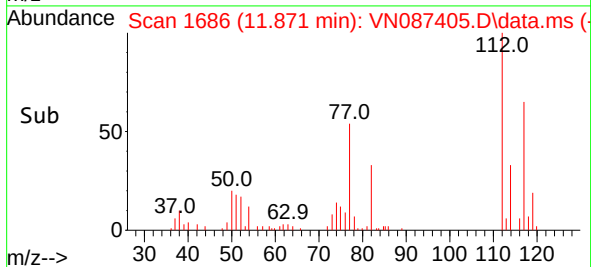
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

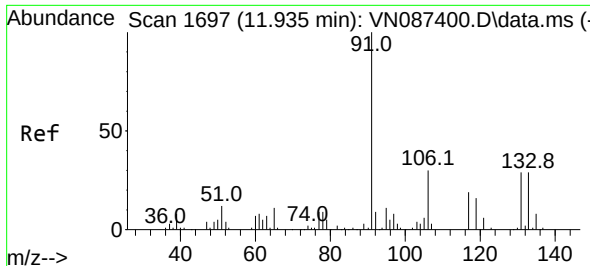


#64
Chlorobenzene
Concen: 5.075 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36



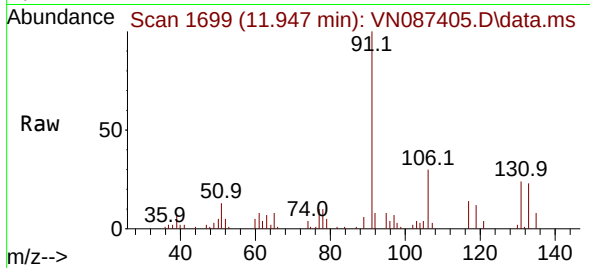
Tgt Ion:112 Resp: 23888
Ion Ratio Lower Upper
112 100
114 33.3 24.0 36.0





#65
1,1,1,2-Tetrachloroethane
Concen: 4.999 ug/l m
RT: 11.947 min Scan# 1698
Delta R.T. 0.012 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

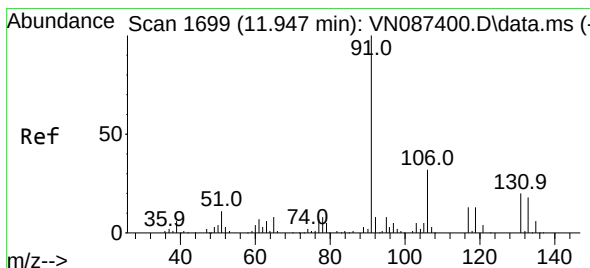
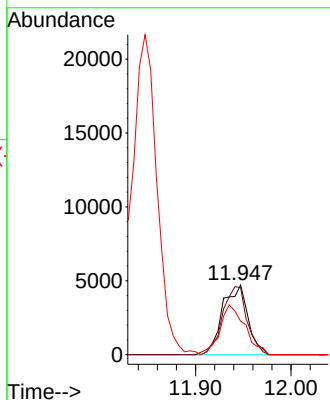
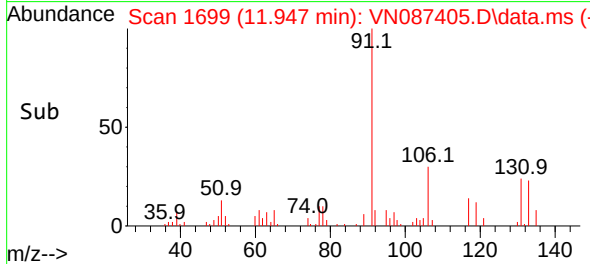
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:131 Resp: 8654
Ion Ratio Lower Upper
131 100
133 95.2 0.0 193.0
119 70.0 0.0 128.2

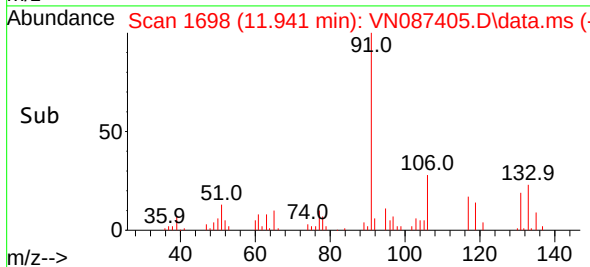
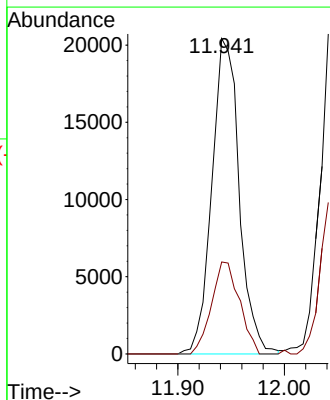
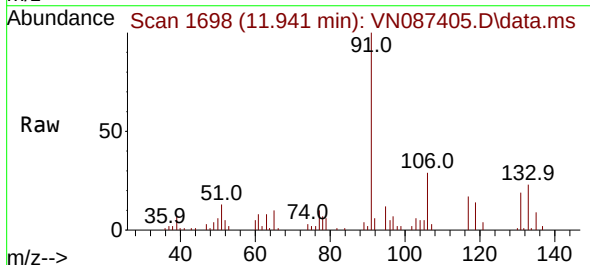
Manual Integrations
APPROVED

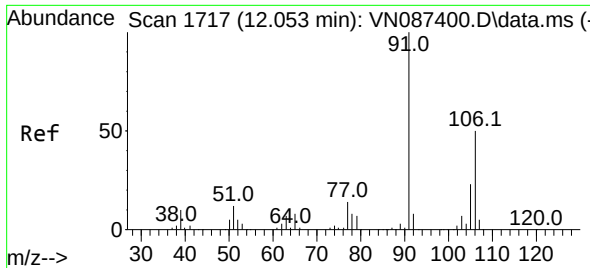
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#66
Ethyl Benzene
Concen: 4.579 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Tgt Ion: 91 Resp: 36371
Ion Ratio Lower Upper
91 100
106 29.2 25.8 38.6





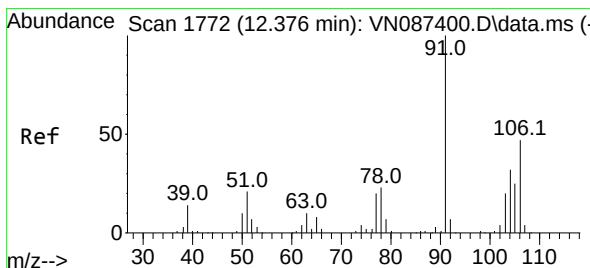
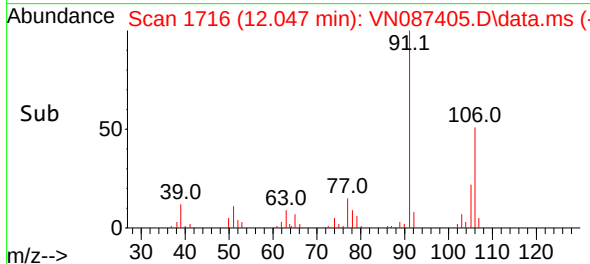
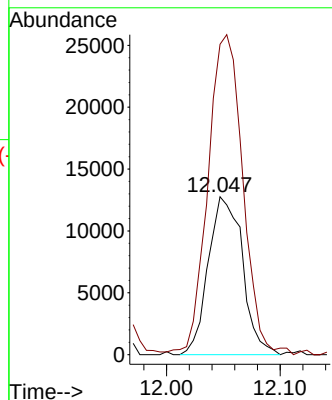
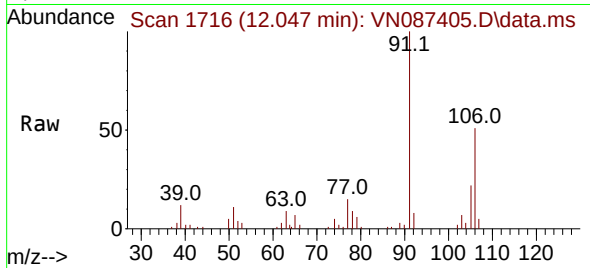
#67
m/p-Xylenes
Concen: 8.419 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 2672
Ion Ratio Lower Upper
106 100
91 204.2 163.4 245.2

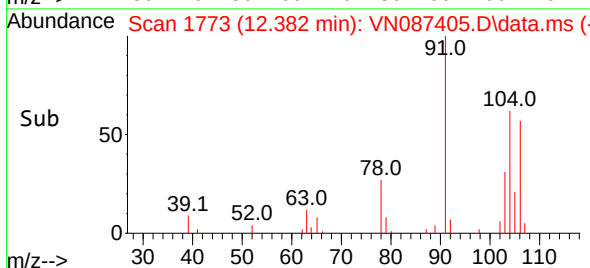
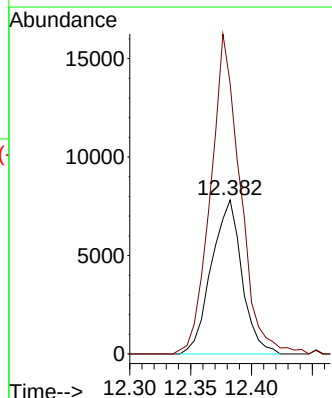
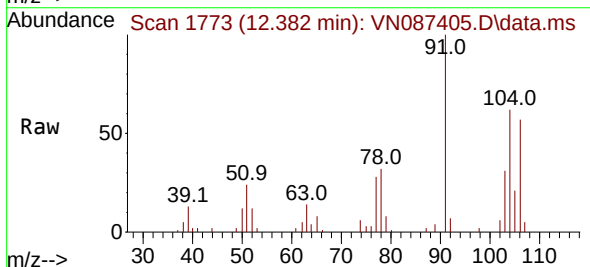
Manual Integrations
APPROVED

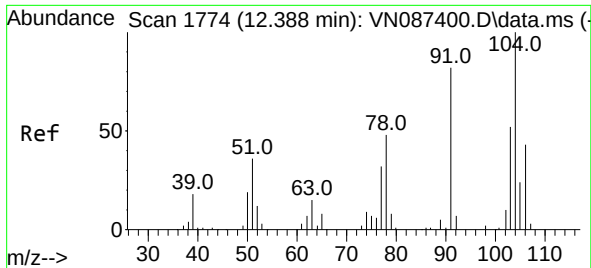
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#68
o-Xylene
Concen: 4.581 ug/l
RT: 12.382 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Tgt Ion:106 Resp: 13633
Ion Ratio Lower Upper
106 100
91 201.7 106.6 319.8





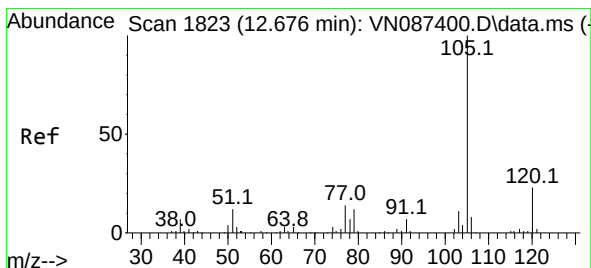
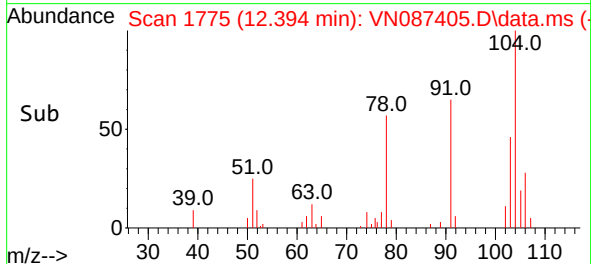
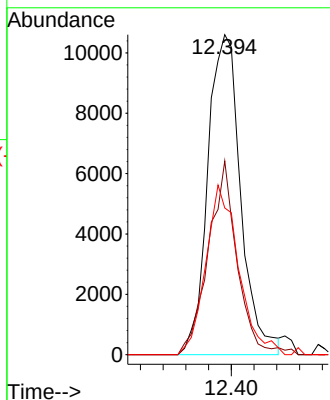
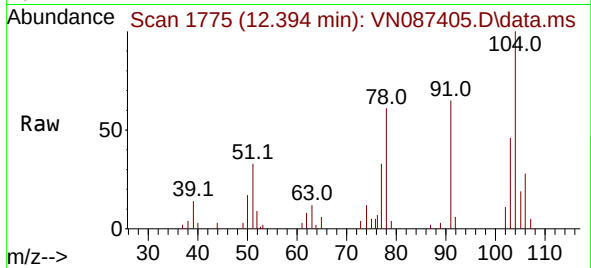
#69
Styrene
Concen: 4.075 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:104 Resp: 2132
Ion Ratio Lower Upper
104 100
78 52.2 40.7 61.1
103 52.9 43.4 65.2

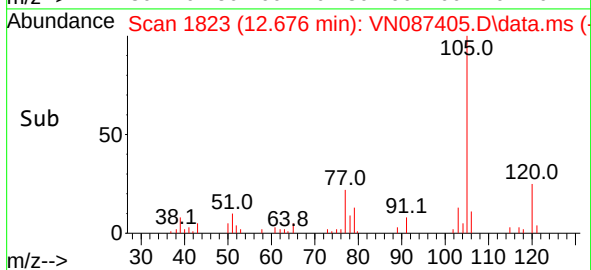
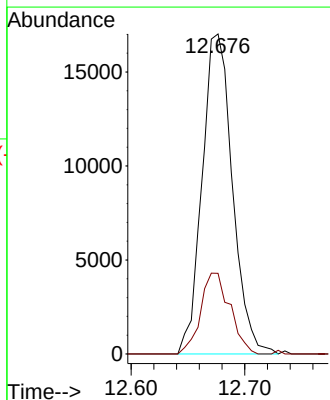
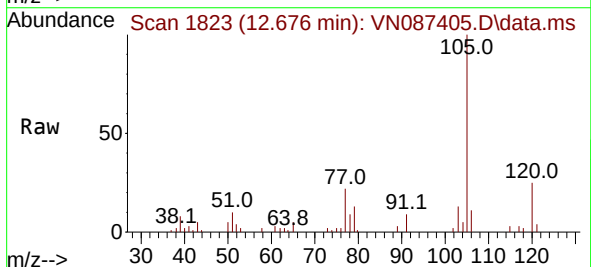
Manual Integrations
APPROVED

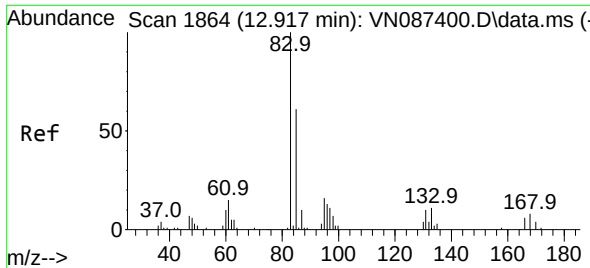
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#70
Isopropylbenzene
Concen: 4.142 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

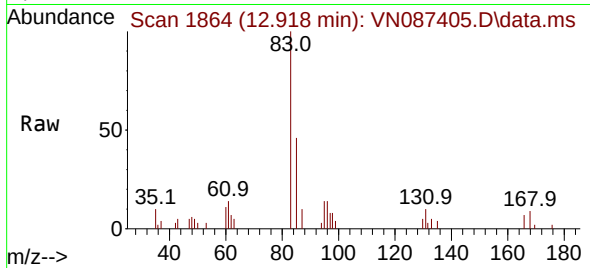
Tgt Ion:105 Resp: 31587
Ion Ratio Lower Upper
105 100
120 24.4 17.6 32.6





#71
1,1,2,2-Tetrachloroethane
Concen: 4.664 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

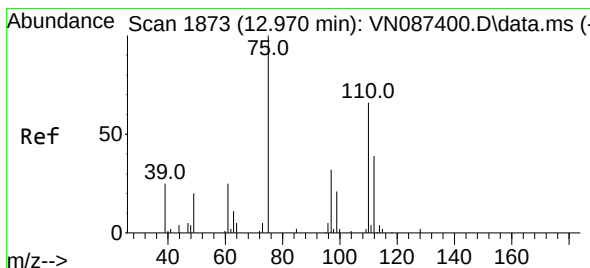
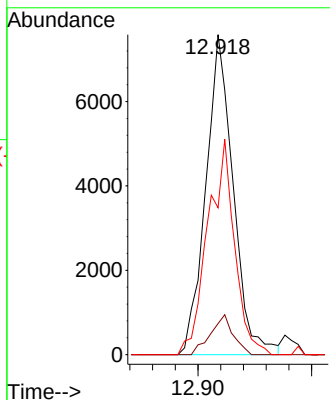
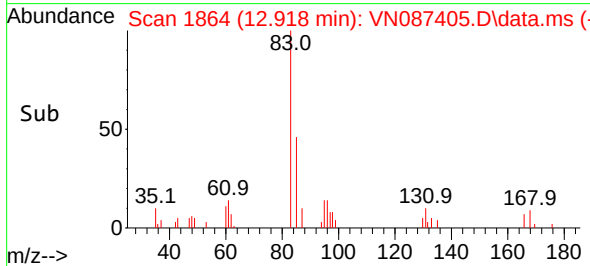
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



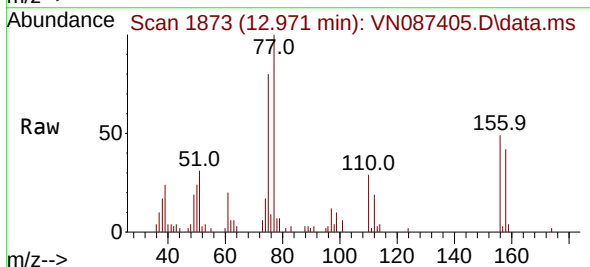
Tgt Ion: 83 Resp: 1271
Ion Ratio Lower Upper
83 100
131 10.3 4.6 13.8
85 65.6 30.6 91.6

Manual Integrations
APPROVED

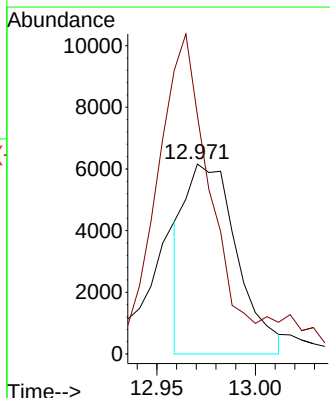
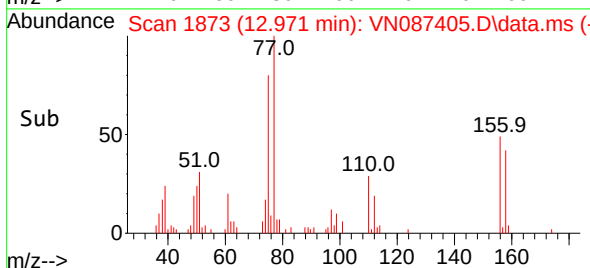
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

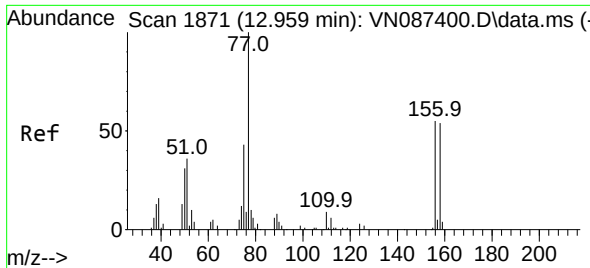


#72
1,2,3-Trichloropropane
Concen: 4.678 ug/l m
RT: 12.971 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36



Tgt Ion: 75 Resp: 11337
Ion Ratio Lower Upper
75 100
77 174.0 0.0 361.2





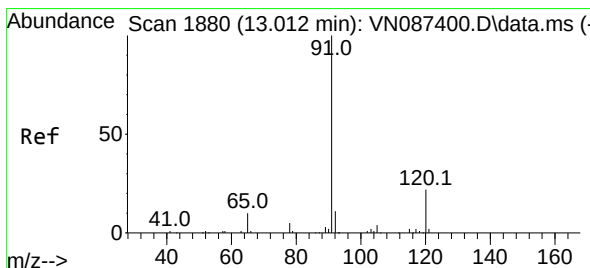
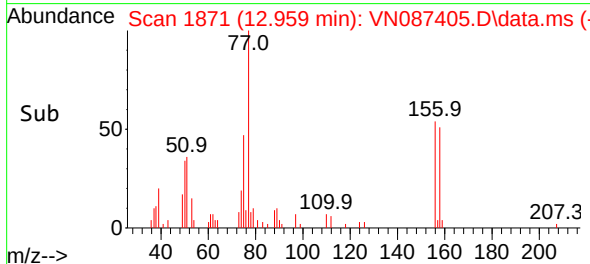
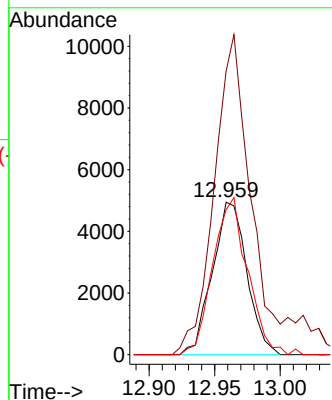
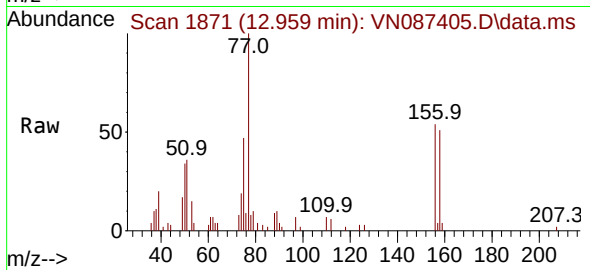
#73
Bromobenzene
Concen: 4.554 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:156 Resp: 906
Ion Ratio Lower Upper
156 100
77 217.7 0.0 440.6
158 103.3 0.0 195.0

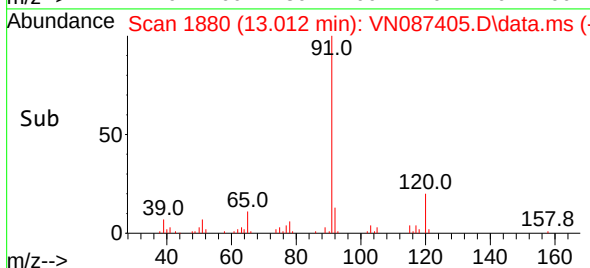
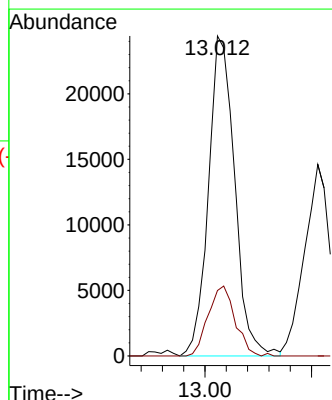
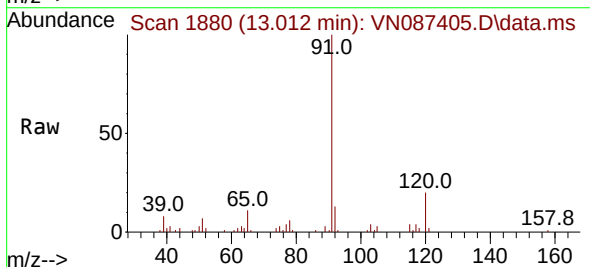
Manual Integrations
APPROVED

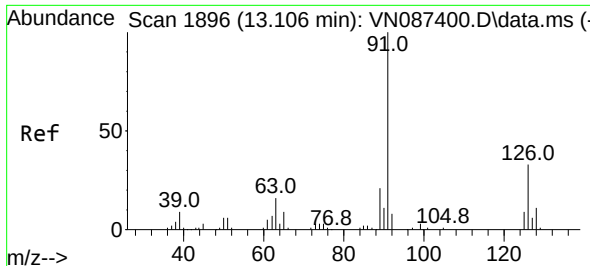
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#74
n-propylbenzene
Concen: 4.319 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Tgt Ion: 91 Resp: 41747
Ion Ratio Lower Upper
91 100
120 22.3 0.0 44.6





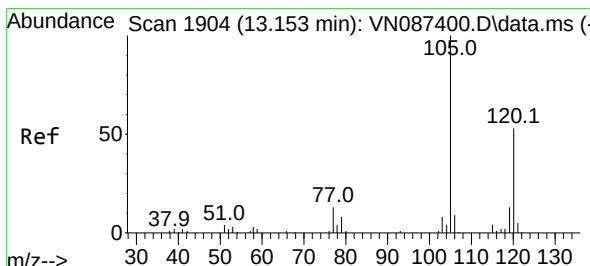
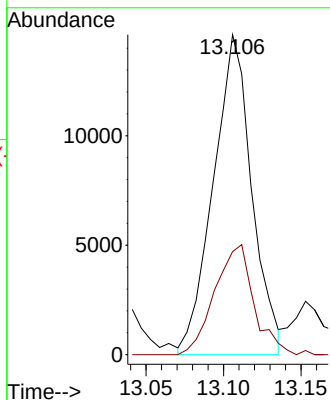
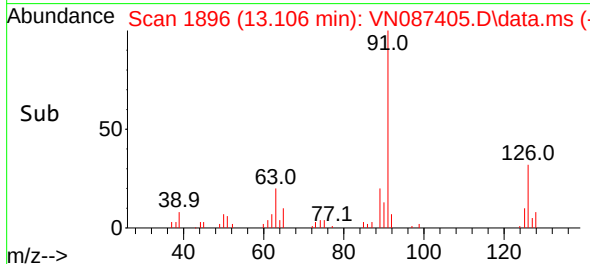
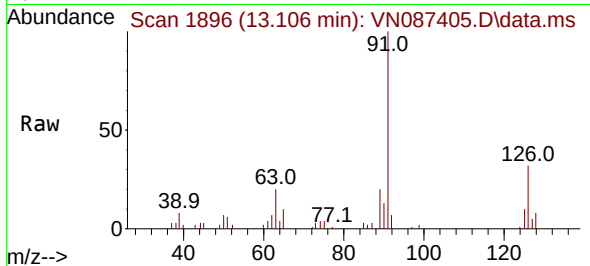
#75
2-Chlorotoluene
Concen: 4.365 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 25240
Ion Ratio Lower Upper
91 100
126 34.8 0.0 65.4

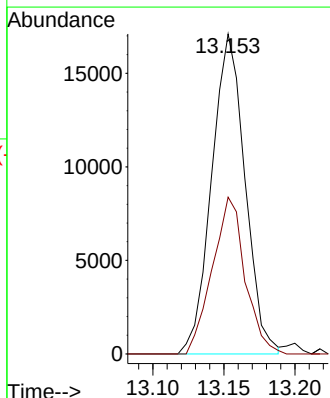
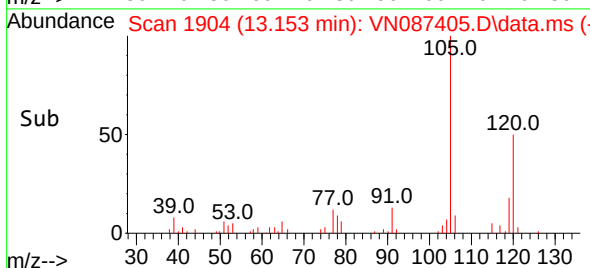
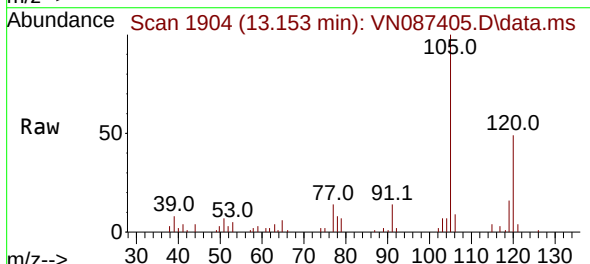
Manual Integrations
APPROVED

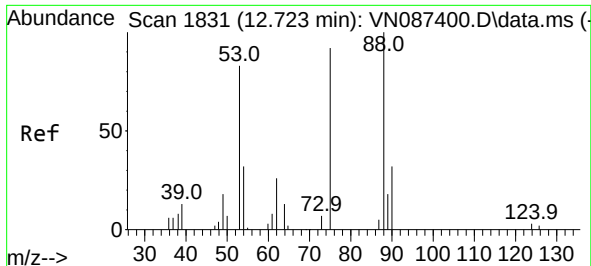
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#76
1,3,5-Trimethylbenzene
Concen: 4.225 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Tgt Ion:105 Resp: 27884
Ion Ratio Lower Upper
105 100
120 48.1 0.0 97.4





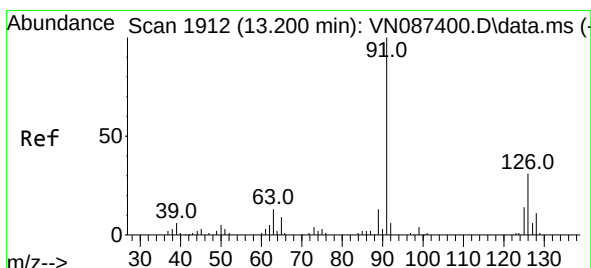
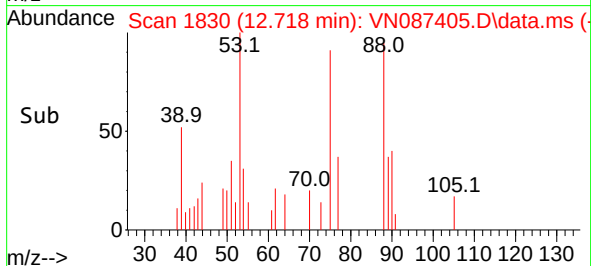
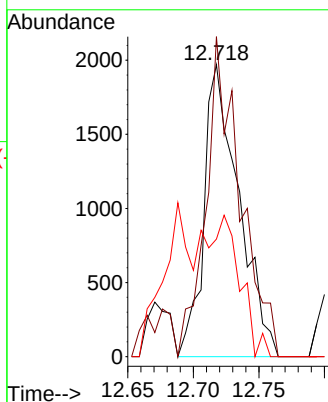
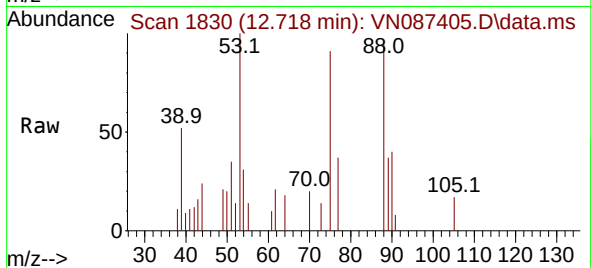
#77
t-1,4-Dichloro-2-butene
Concen: 3.852 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 75 Resp: 364
Ion Ratio Lower Upper
75 100
53 109.6 44.0 131.8
89 40.3 17.0 50.9

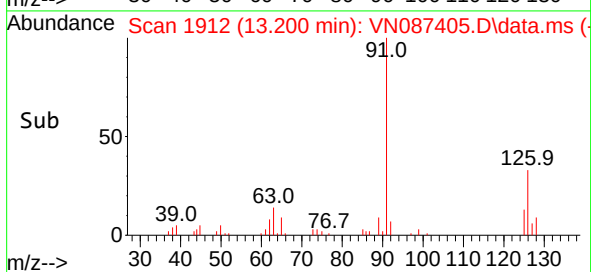
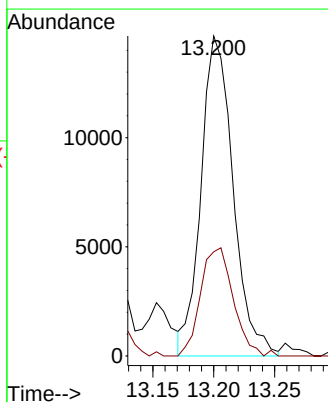
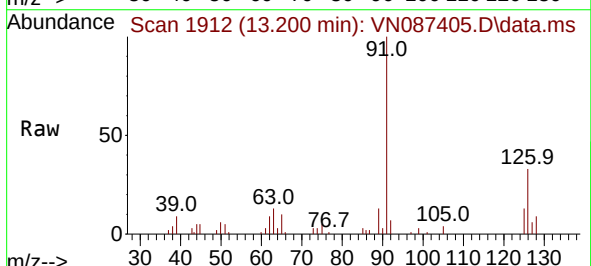
Manual Integrations
APPROVED

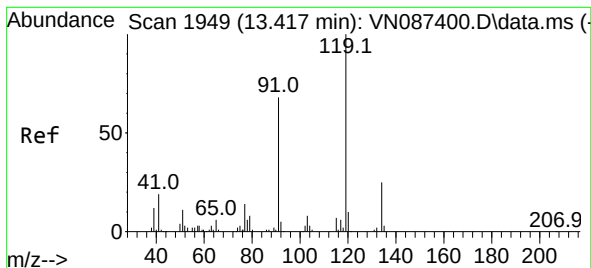
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#78
4-Chlorotoluene
Concen: 4.375 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

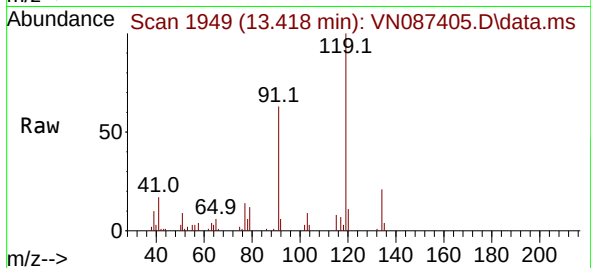
Tgt Ion: 91 Resp: 26870
Ion Ratio Lower Upper
91 100
126 34.2 0.0 66.6





#79
tert-butylbenzene
Concen: 4.339 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

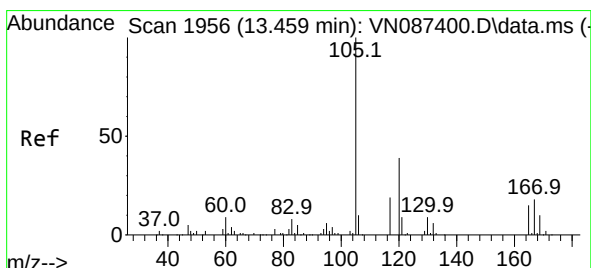
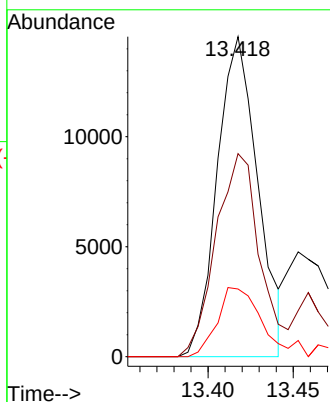
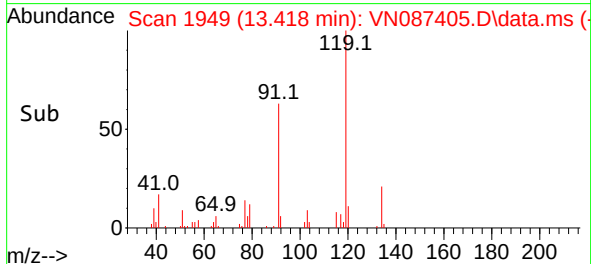
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



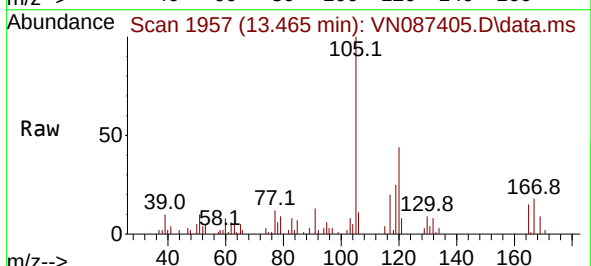
Tgt Ion:119 Resp: 2414
Ion Ratio Lower Upper
119 100
91 68.8 0.0 134.8
134 22.7 0.0 52.0

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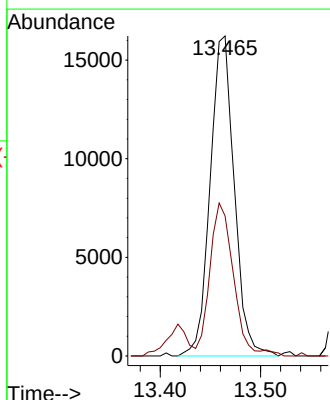
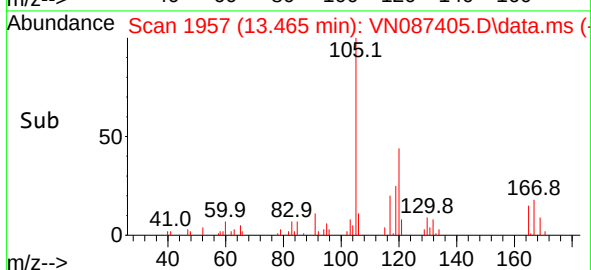
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

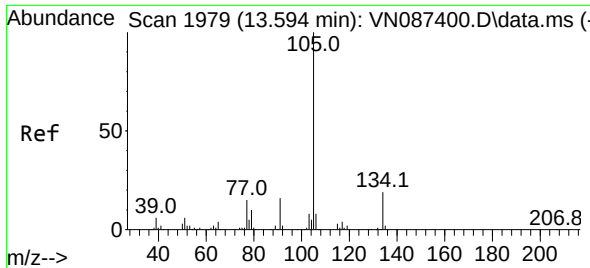


#80
1,2,4-Trimethylbenzene
Concen: 4.020 ug/l
RT: 13.465 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36



Tgt Ion:105 Resp: 27109
Ion Ratio Lower Upper
105 100
120 45.9 0.0 93.6





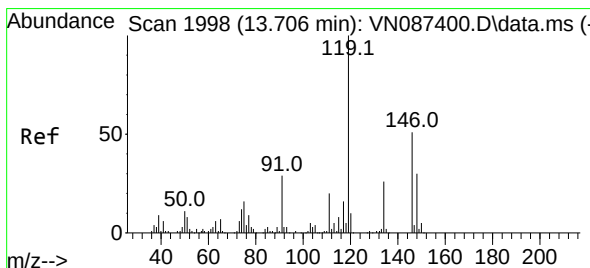
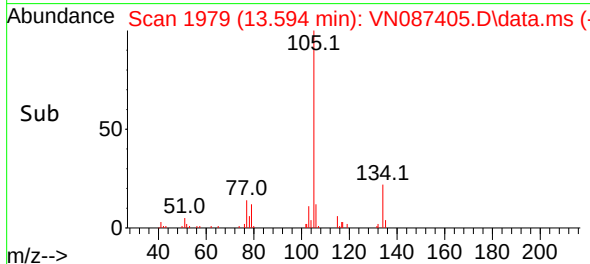
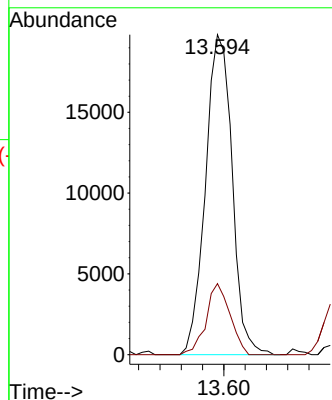
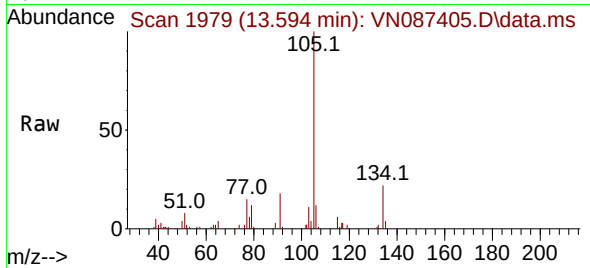
#81
 sec-Butylbenzene
 Concen: 4.238 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087405.D
 Acq: 23 Jul 2025 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:105 Resp: 3439
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 39.6

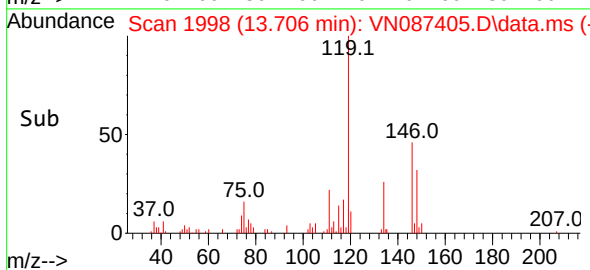
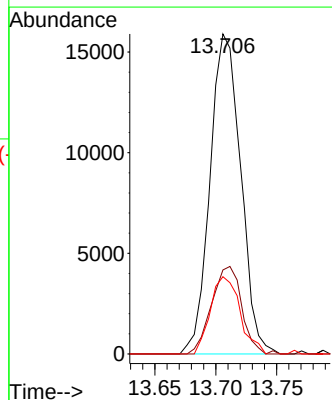
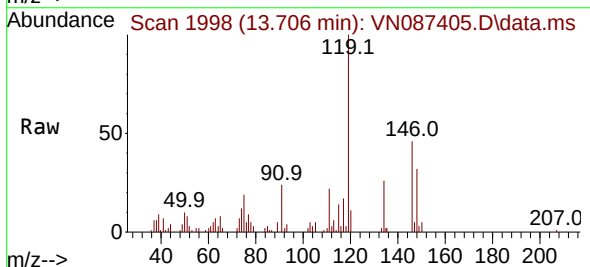
Manual Integrations
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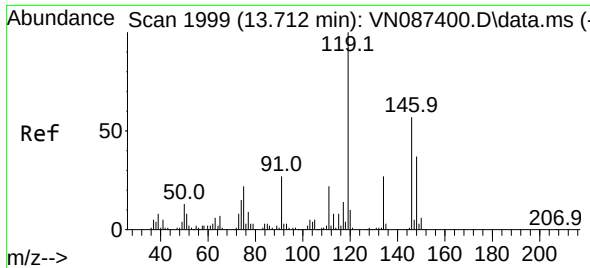
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#82
 p-Isopropyltoluene
 Concen: 4.014 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087405.D
 Acq: 23 Jul 2025 14:36

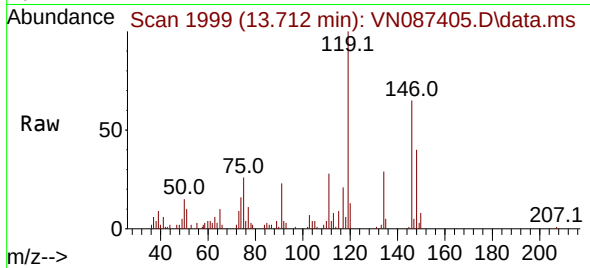
Tgt Ion:119 Resp: 27900
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 51.8
 91 23.3 0.0 54.2





#83
1,3-Dichlorobenzene
Concen: 4.597 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

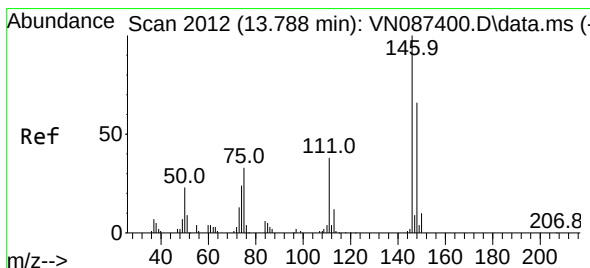
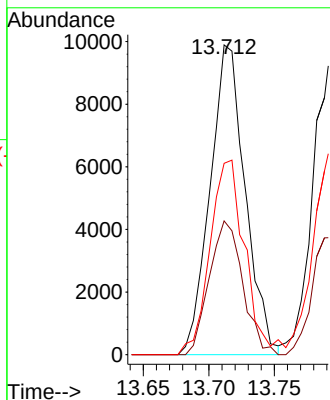
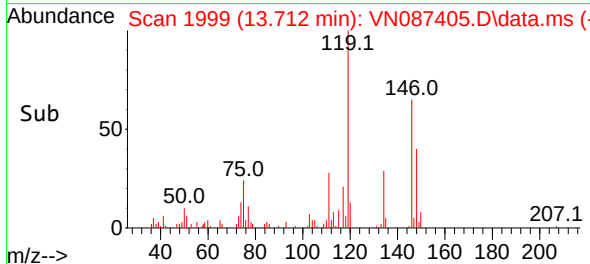
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



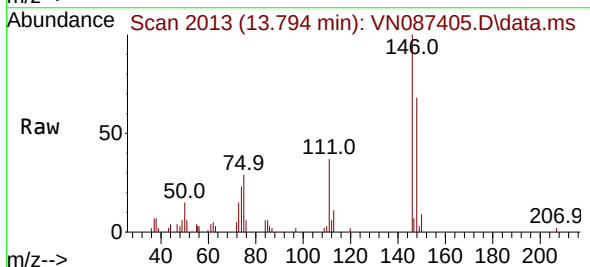
Tgt Ion:146 Resp: 18448
Ion Ratio Lower Upper
146 100
111 41.1 20.2 60.6
148 62.4 31.7 95.1

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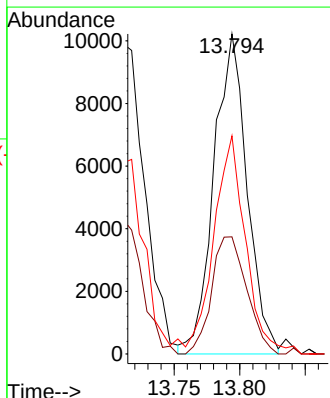
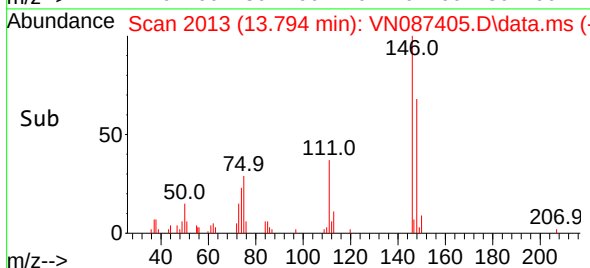
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

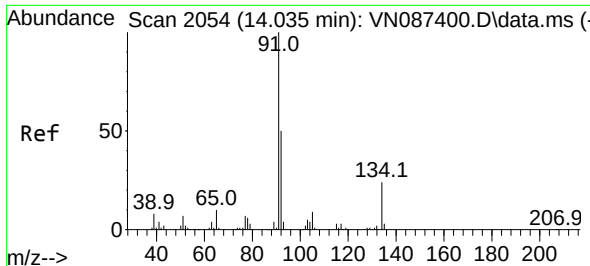


#84
1,4-Dichlorobenzene
Concen: 4.534 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36



Tgt Ion:146 Resp: 17982
Ion Ratio Lower Upper
146 100
111 38.7 19.4 58.1
148 64.6 32.4 97.2





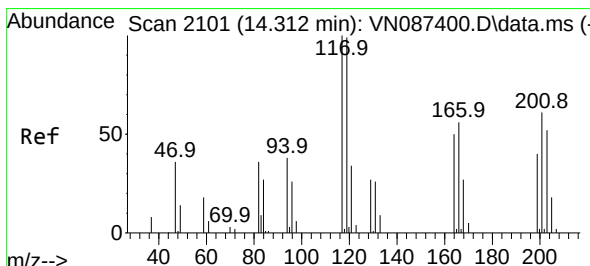
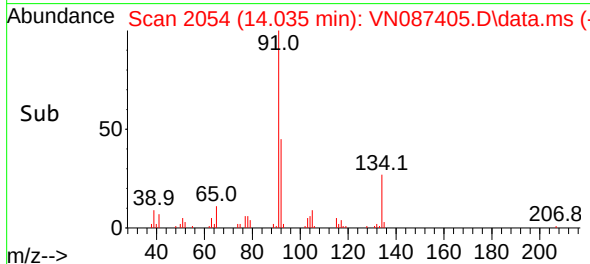
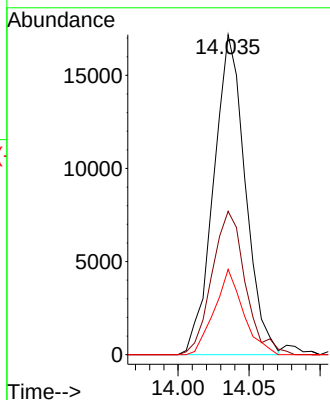
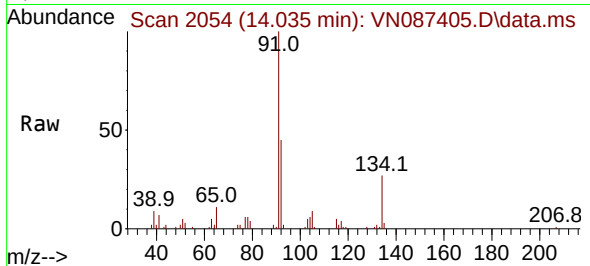
#85
n-Butylbenzene
Concen: 4.200 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 2666
Ion Ratio Lower Upper
91 100
92 47.2 0.0 101.4
134 24.3 0.0 48.6

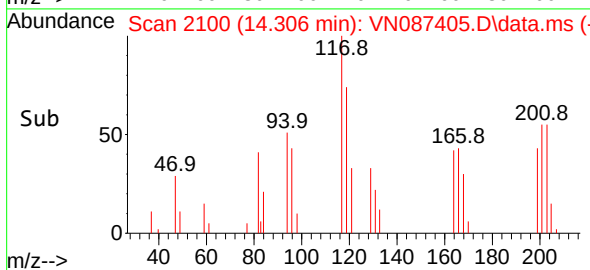
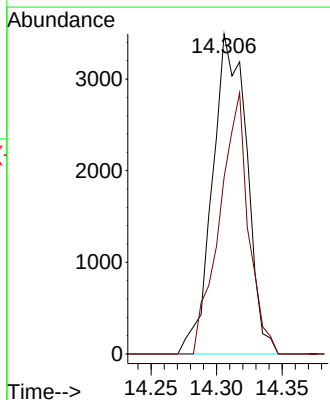
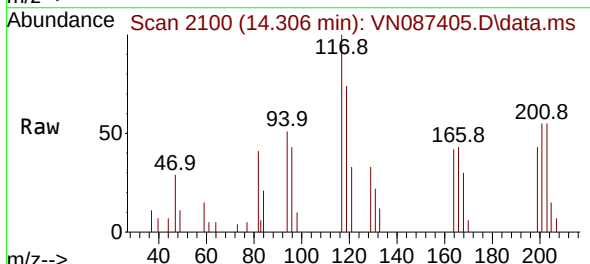
Manual Integrations
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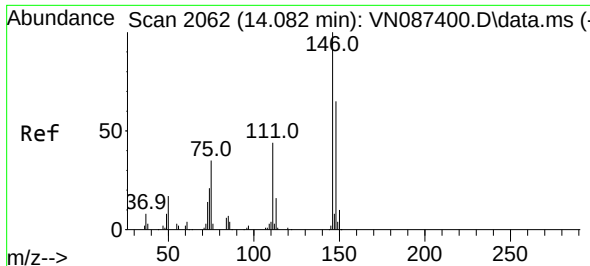
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#86
Hexachloroethane
Concen: 4.637 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

Tgt Ion:117 Resp: 6340
Ion Ratio Lower Upper
117 100
201 69.2 34.2 102.5





#87

1,2-Dichlorobenzene

Concen: 4.461 ug/l

RT: 14.088 min Scan# 2062

Delta R.T. 0.006 min

Lab File: VN087405.D

Acq: 23 Jul 2025 14:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

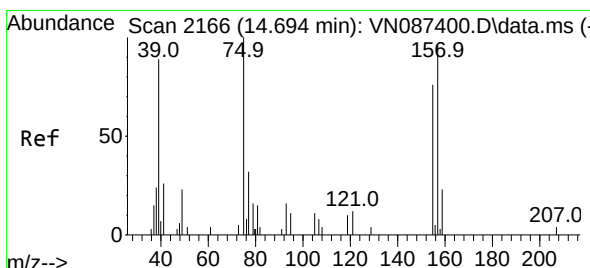
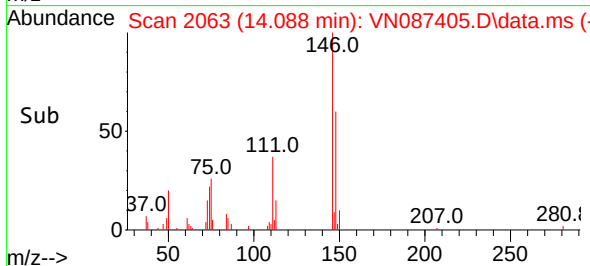
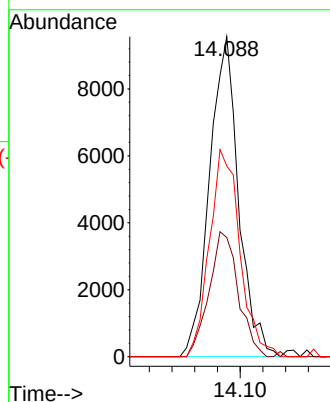
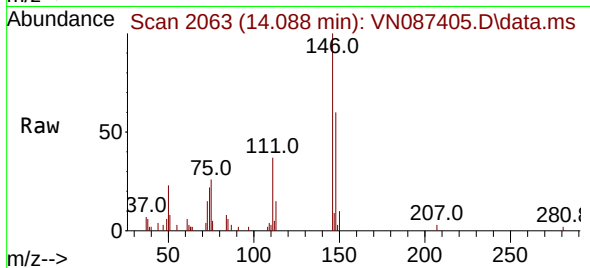
Tgt Ion:	146	Resp:	16980
Ion Ratio	Lower	Upper	
146	100		
111	39.2	21.9	65.8
148	67.7	31.2	93.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 5.300 ug/l m

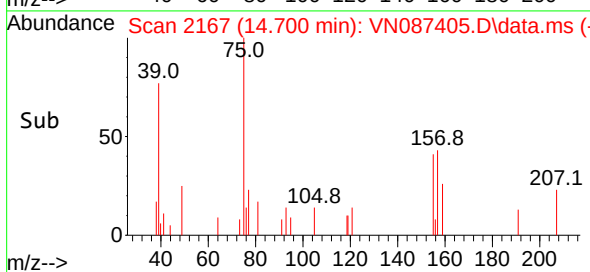
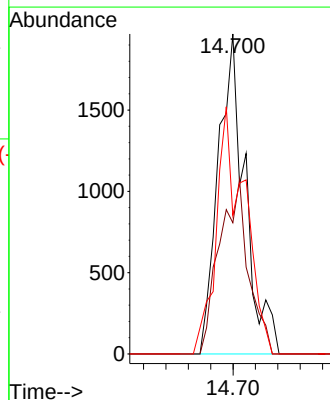
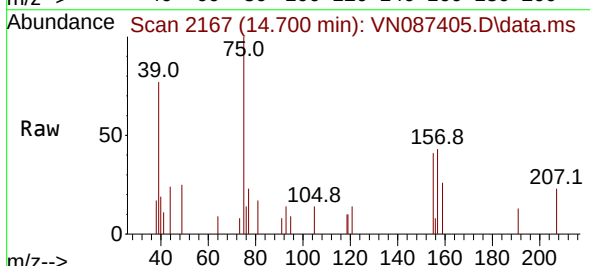
RT: 14.700 min Scan# 2167

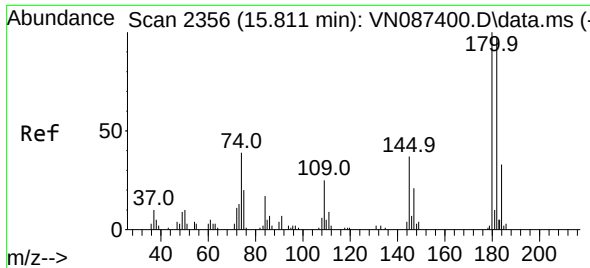
Delta R.T. 0.006 min

Lab File: VN087405.D

Acq: 23 Jul 2025 14:36

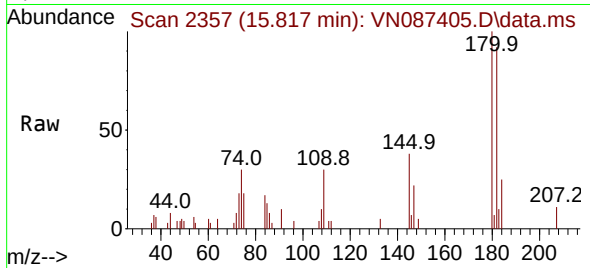
Tgt Ion:	75	Resp:	3275
Ion Ratio	Lower	Upper	
75	100		
155	59.1	61.3	91.9#
157	34.6	85.5	128.3#





#89
1,2,4-Trichlorobenzene
Concen: 4.435 ug/l
RT: 15.817 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

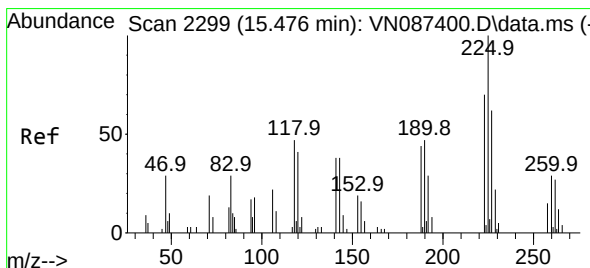
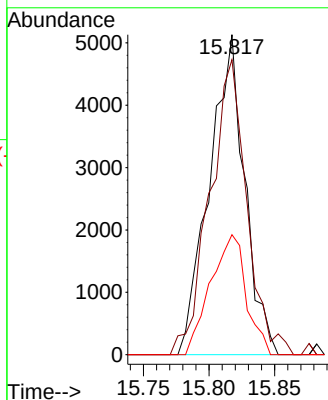
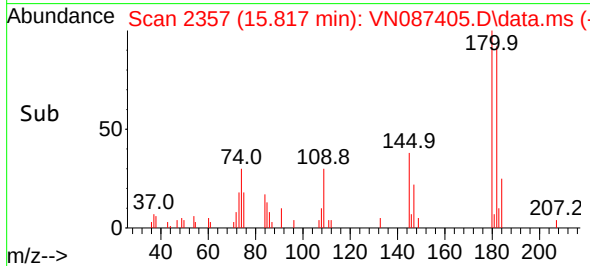
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



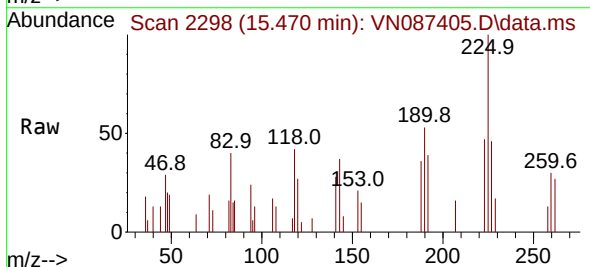
Tgt Ion:180 Resp: 9629
Ion Ratio Lower Upper
180 100
182 94.3 74.2 111.2
145 37.7 29.3 43.9

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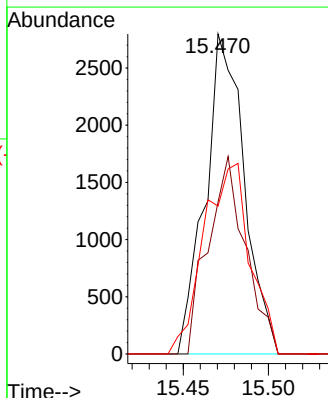
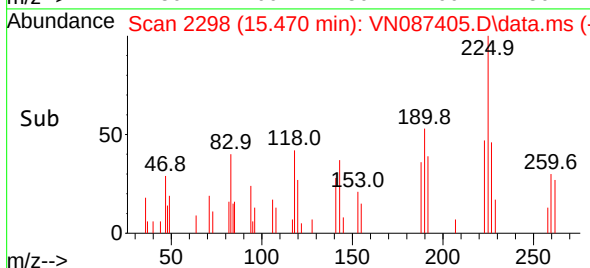
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

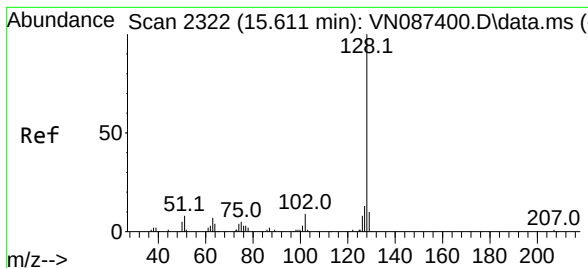


#90
Hexachlorobutadiene
Concen: 4.965 ug/l
RT: 15.470 min Scan# 2298
Delta R.T. -0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36



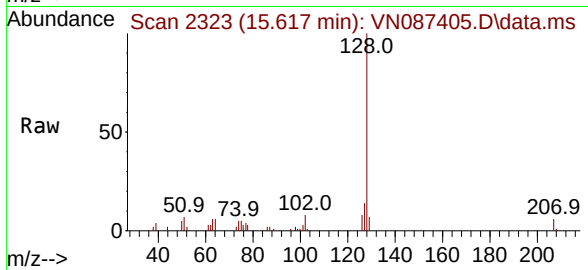
Tgt Ion:225 Resp: 4458
Ion Ratio Lower Upper
225 100
223 59.2 0.0 125.2
227 70.6 0.0 122.4





#91
Naphthalene
Concen: 3.987 ug/l
RT: 15.617 min Scan# 2322
Delta R.T. 0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36

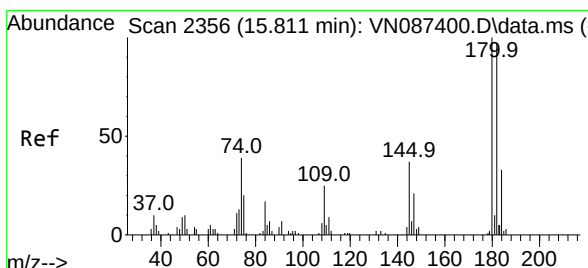
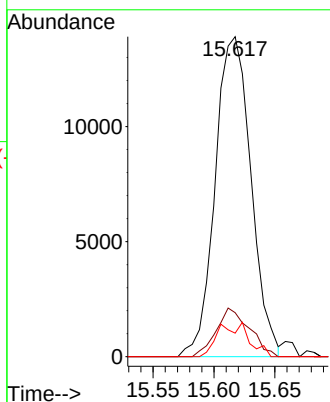
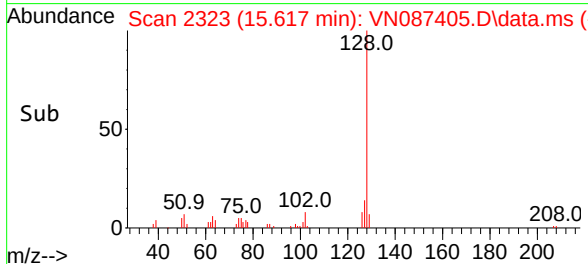
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



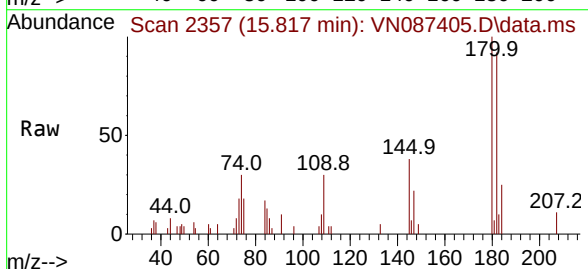
Tgt Ion:128 Resp: 2850
Ion Ratio Lower Upper
128 100
127 14.1 10.7 16.1
129 3.0 9.0 13.4

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: 4.435 ug/l
RT: 15.817 min Scan# 2357
Delta R.T. 0.006 min
Lab File: VN087405.D
Acq: 23 Jul 2025 14:36



Tgt Ion:180 Resp: 9629
Ion Ratio Lower Upper
180 100
182 94.3 0.0 185.4
145 37.7 0.0 73.2

