

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
 Data File : VN087468.D
 Acq On : 06 Aug 2025 09:25
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/07/2025
 Supervised By : Mahesh Dadoda 08/07/2025

Quant Time: Aug 07 03:30:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.801	128	66799	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	375782	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	344046	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	188954	30.668	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.233%			
60) 4-Bromofluorobenzene	12.830	95	175680	29.672	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.900%			
63) Toluene-d8	10.547	98	477005	30.132	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.433%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	77576	17.787	ug/l	97
3) Chloromethane	2.383	50	76151	17.019	ug/l	97
4) Vinyl Chloride	2.542	62	83982	17.696	ug/l	91
5) Bromomethane	2.983	94	47609	18.533	ug/l #	73
6) Chloroethane	3.142	64	54583	17.836	ug/l	99
7) Trichlorofluoromethane	3.513	101	118549	17.357	ug/l	96
8) Diethyl Ether	3.960	74	49551	17.414	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	59312	17.029	ug/l	86
10) 1,1-Dichloroethene	4.336	96	62955	17.208	ug/l	96
11) Methyl Iodide	4.583	142	37416	12.989	ug/l	88
12) Methyl Acetate	5.018	43	111874	16.571	ug/l	100
13) Acrolein	4.171	56	117665	114.109	ug/l	98
14) Acrylonitrile	5.707	53	244735	83.015	ug/l	99
15) Acetone	4.424	58	85935	102.019	ug/l	95
16) Carbon Disulfide	4.701	76	193011	17.007	ug/l	96
17) Allyl chloride	5.012	41	126853	17.011	ug/l	100
18) Methylene Chloride	5.265	84	80466	17.085	ug/l	100
19) trans-1,2-Dichloroethene	5.771	96	72299	16.618	ug/l	91
20) Diisopropyl ether	6.659	45	281091	16.547	ug/l	98
21) 1,1-Dichloroethane	6.554	63	151335	17.234	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	91637	17.118	ug/l	97
23) tert-Butyl Alcohol	5.518	59	92315	73.692	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	286409m	17.180	ug/l	
25) Chloroform	7.948	83	160183	17.476	ug/l	97
26) Cyclohexane	8.236	56	119652	17.019	ug/l #	95
29) 1,1-Dichloropropene	8.353	75	103283	16.851	ug/l	98
30) 2-Butanone	7.471	43	386613	85.575	ug/l	99
31) 2,2-Dichloropropane	7.471	77	138879	17.569	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	134451	17.200	ug/l	96
33) Carbon Tetrachloride	8.342	117	110701	17.047	ug/l	98
34) Benzene	8.589	78	322241	16.656	ug/l	97
35) Methacrylonitrile	7.759	41	76916	15.777	ug/l	98
36) 1,2-Dichloroethane	8.653	62	131713	16.844	ug/l	99
37) Trichloroethene	9.336	130	71801	16.848	ug/l	92
38) Methylcyclohexane	9.583	83	117555	16.533	ug/l	97
39) 1,2-Dichloropropane	9.600	63	84228	16.980	ug/l	94
40) Dibromomethane	9.689	93	63631	17.097	ug/l	99
41) Bromodichloromethane	9.865	83	127957	16.545	ug/l	95
42) Vinyl Acetate	6.595	43	1267209	85.174	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.548	43	150374	17.229	ug/l #	77
44) Isopropyl Acetate	8.671	43	243450	16.455	ug/l	99
45) 1,4-Dioxane	9.683	88	29726	315.176	ug/l	99
46) Methyl methacrylate	9.665	41	113405	16.239	ug/l	95
47) n-amyl Acetate	12.524	43	133897m	16.383	ug/l	
48) t-1,3-Dichloropropene	10.818	75	135994	16.163	ug/l	99
49) cis-1,3-Dichloropropene	10.294	75	140264	16.565	ug/l	98
50) 1,1,2-Trichloroethane	10.994	97	77842	16.554	ug/l	92
51) Ethyl methacrylate	10.853	69	138837	16.764	ug/l	97
52) 1,3-Dichloropropane	11.141	76	145659	17.193	ug/l	99
53) Dibromochloromethane	11.336	129	89509	16.482	ug/l	99
54) 1,2-Dibromoethane	11.453	107	83080	16.643	ug/l	100
55) 2-Chloroethyl vinyl ether	10.142	63	440652	101.073	ug/l	99
56) Bromoform	12.559	173	56097	15.617	ug/l #	99
58) 4-Methyl-2-Pentanone	10.424	43	723973	81.801	ug/l	99
59) 2-Hexanone	11.177	43	496699	82.598	ug/l	99
61) Tetrachloroethene	11.083	164	57259	17.083	ug/l	97
62) Toluene	10.612	91	349505	16.459	ug/l	98
64) Chlorobenzene	11.871	112	216560	16.597	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.941	131	77337	16.858	ug/l	98
66) Ethyl Benzene	11.941	91	397503	16.795	ug/l	97
67) m/p-Xylenes	12.047	106	286353	32.961	ug/l	99
68) o-Xylene	12.377	106	139062	16.271	ug/l	98
69) Styrene	12.388	104	236721	16.221	ug/l	97
70) Isopropylbenzene	12.677	105	365378	16.827	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	121586	16.342	ug/l	99
72) 1,2,3-Trichloropropane	12.971	75	121680m	17.556	ug/l	
73) Bromobenzene	12.959	156	83495	16.587	ug/l	97
74) n-propylbenzene	13.012	91	460576	16.984	ug/l	99
75) 2-Chlorotoluene	13.106	91	274308	16.444	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	308349	16.585	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	42406	16.163	ug/l	76
78) 4-Chlorotoluene	13.200	91	282550	16.715	ug/l	99
79) tert-butylbenzene	13.418	119	262028	16.716	ug/l	97
80) 1,2,4-Trimethylbenzene	13.459	105	315055	16.959	ug/l	98
81) sec-Butylbenzene	13.594	105	383694	16.814	ug/l	99
82) p-Isopropyltoluene	13.706	119	315331	16.643	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	158358	16.521	ug/l	97
84) 1,4-Dichlorobenzene	13.788	146	162399	16.711	ug/l	100
85) n-Butylbenzene	14.035	91	310873	16.770	ug/l	99
86) Hexachloroethane	14.306	117	60515	16.355	ug/l	94
87) 1,2-Dichlorobenzene	14.082	146	151059	16.510	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	29796	15.809	ug/l	96
89) 1,2,4-Trichlorobenzene	15.812	180	86670	15.850	ug/l	99
90) Hexachlorobutadiene	15.477	225	34476	16.214	ug/l	93
91) Naphthalene	15.612	128	329957	15.825	ug/l	99
92) 1,2,3-Trichlorobenzene	15.812	180	86670	15.850	ug/l	99

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



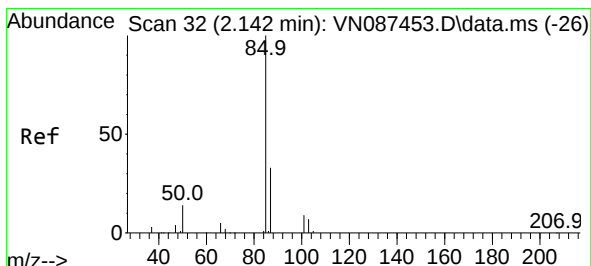
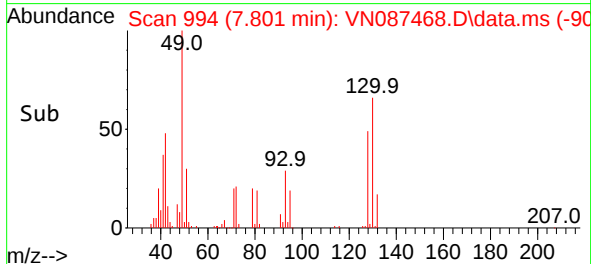
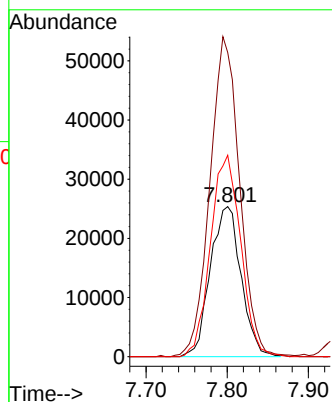
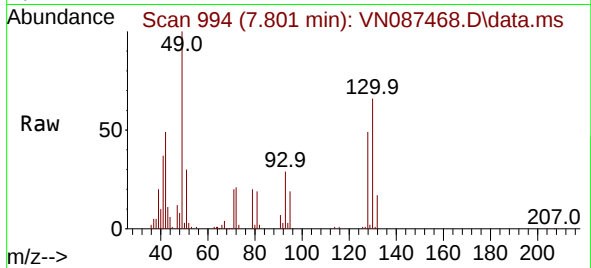
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.801 min Scan# 994
Delta R.T. 0.001 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 66799
Ion Ratio Lower Upper
128 100
49 206.4 0.0 494.8
130 132.1 0.0 321.5

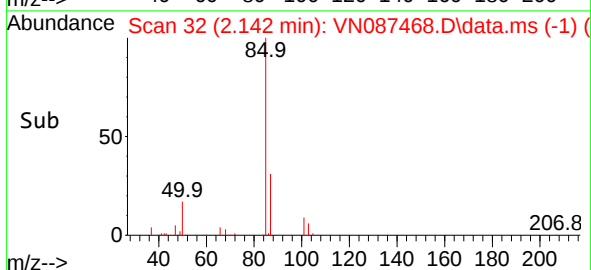
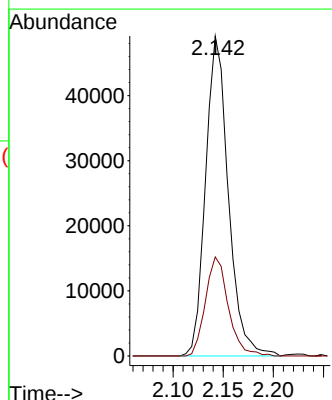
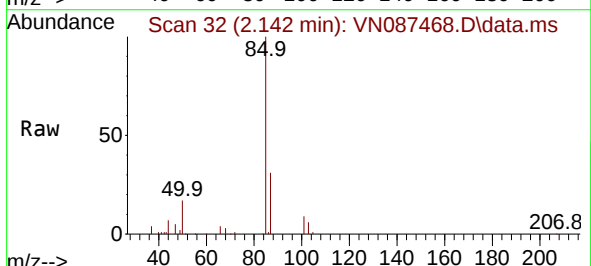
Manual Integrations
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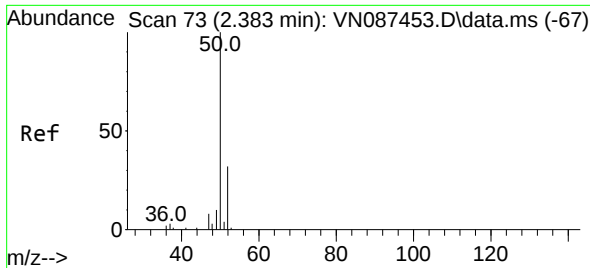
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#2
Dichlorodifluoromethane
Concen: 17.787 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

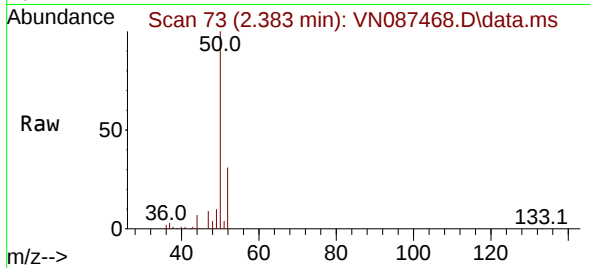
Tgt Ion: 85 Resp: 77576
Ion Ratio Lower Upper
85 100
87 31.0 16.4 49.2





#3
Chloromethane
Concen: 17.019 ug/l
RT: 2.383 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

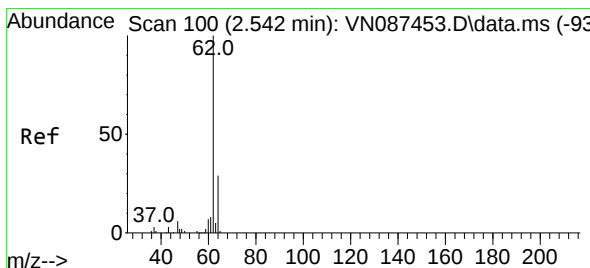
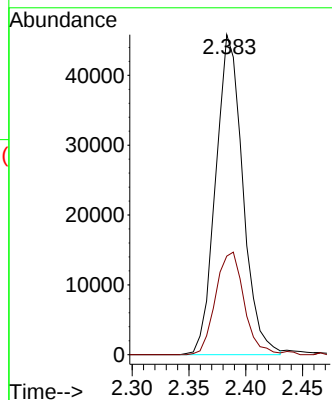
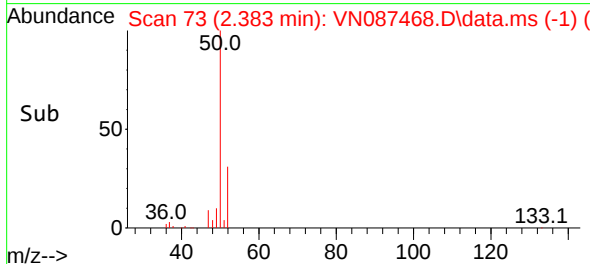
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



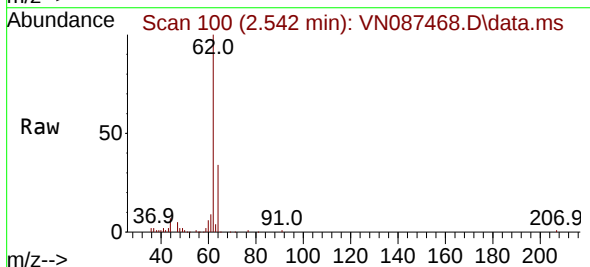
Tgt Ion: 50 Resp: 7615
Ion Ratio Lower Upper
50 100
52 30.8 25.8 38.6

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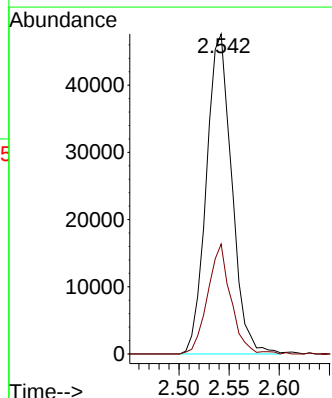
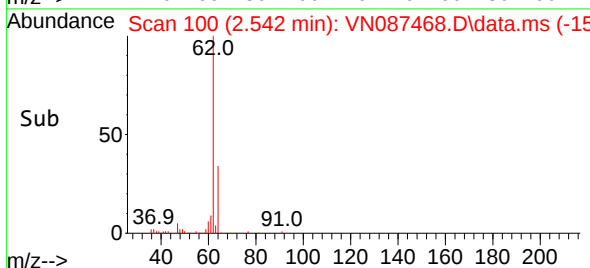
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Supervised By :Mahesh Dadoda 08/07/2025

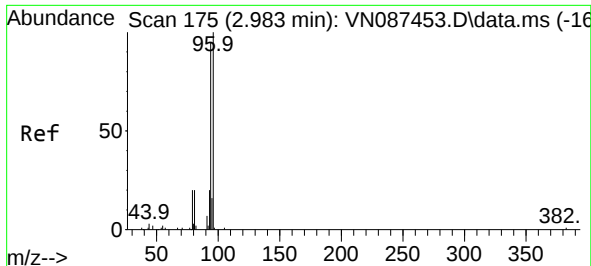


#4
Vinyl Chloride
Concen: 17.696 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25



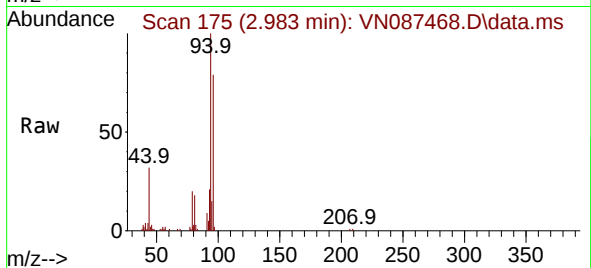
Tgt Ion: 62 Resp: 83982
Ion Ratio Lower Upper
62 100
64 34.4 23.4 35.2





#5
Bromomethane
Concen: 18.533 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

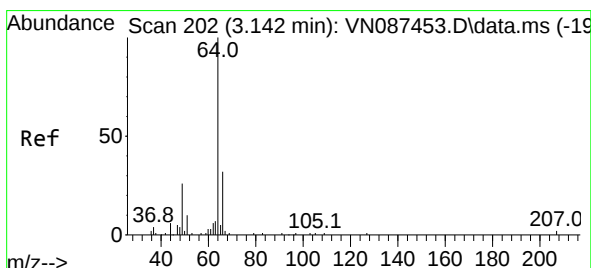
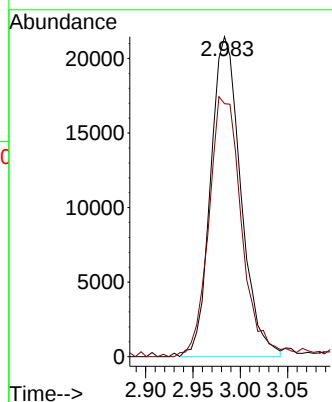
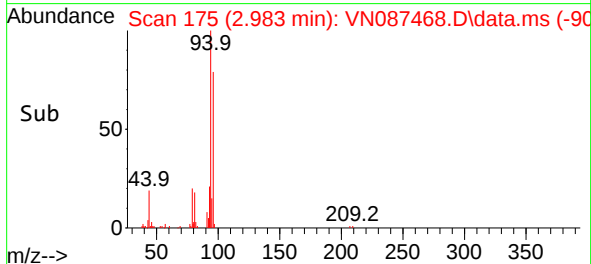
Instrument :
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ClientSampleId :
VSTDCCC020



Tgt Ion: 94 Resp: 47609
Ion Ratio Lower Upper
94 100
96 77.8 84.2 126.4

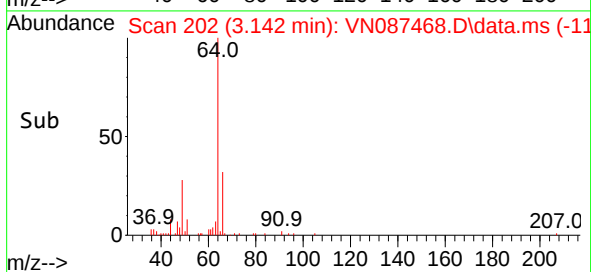
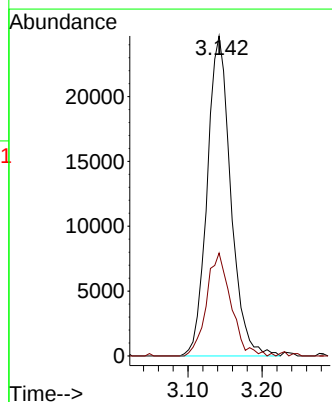
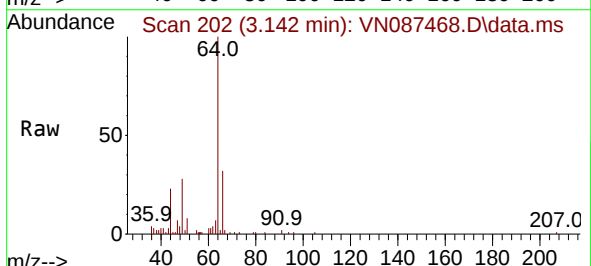
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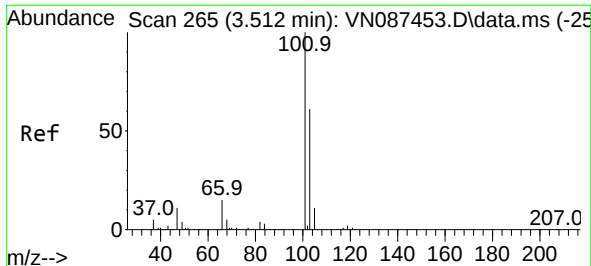
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#6
Chloroethane
Concen: 17.836 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

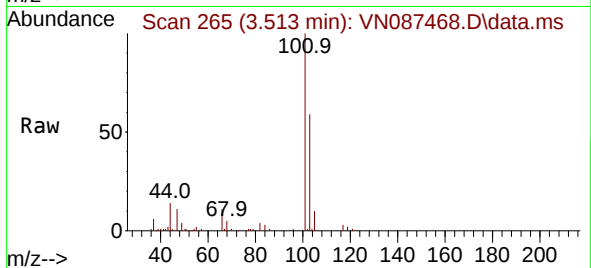
Tgt Ion: 64 Resp: 54583
Ion Ratio Lower Upper
64 100
66 32.1 25.4 38.0





#7
 Trichlorofluoromethane
 Concen: 17.357 ug/l
 RT: 3.513 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN087468.D
 Acq: 06 Aug 2025 09:25

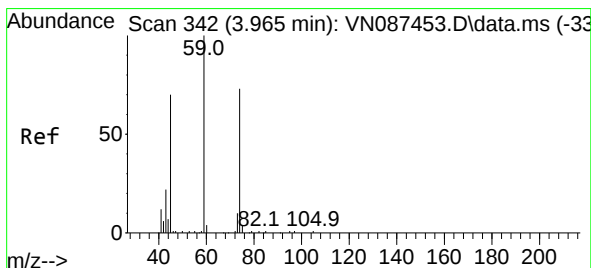
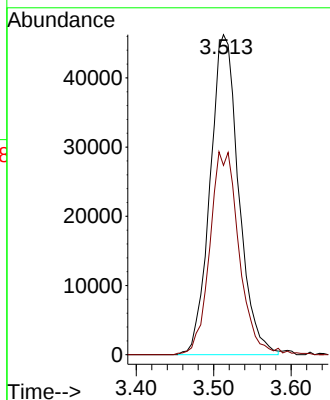
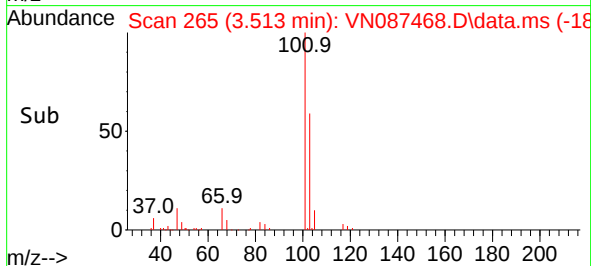
Instrument :
 MSVOA_N
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 VSTDCCC020



Tgt Ion:101 Resp: 118549
 Ion Ratio Lower Upper
 101 100
 103 58.7 49.2 73.8

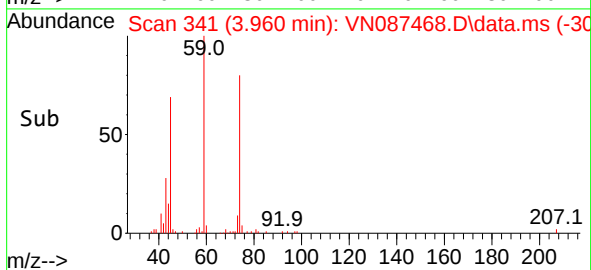
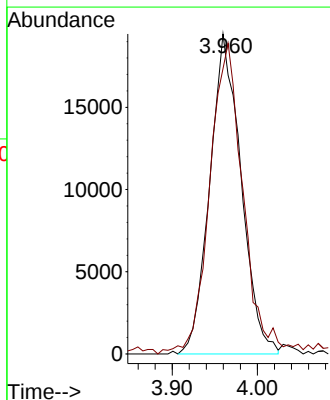
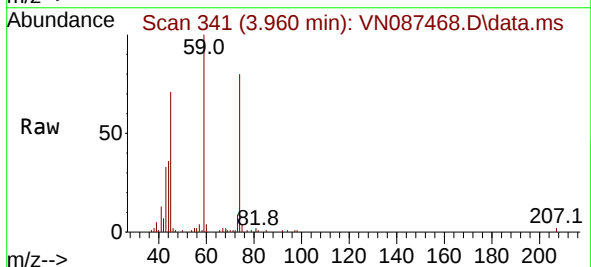
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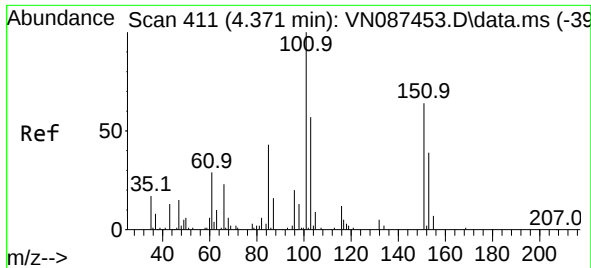
Reviewed By :John Carlone 08/07/2025
 Supervised By :Mahesh Dadoda 08/07/2025



#8
 Diethyl Ether
 Concen: 17.414 ug/l
 RT: 3.960 min Scan# 341
 Delta R.T. -0.006 min
 Lab File: VN087468.D
 Acq: 06 Aug 2025 09:25

Tgt Ion: 74 Resp: 49551
 Ion Ratio Lower Upper
 74 100
 45 94.9 20.1 180.9





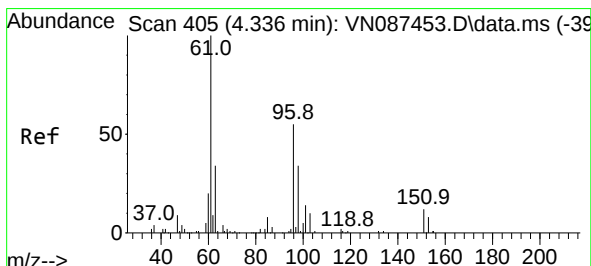
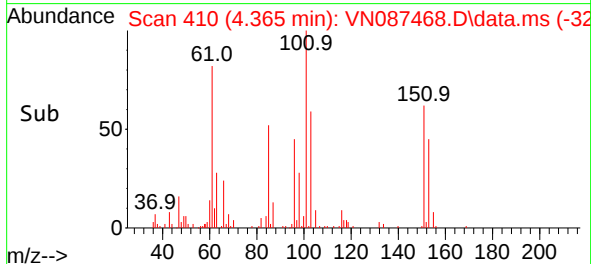
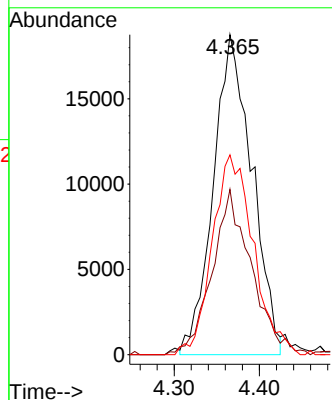
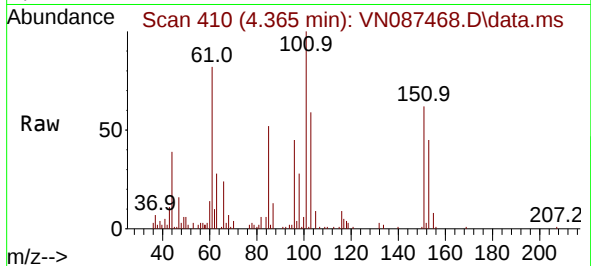
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1,1,2-Trichlorotrifluoroethane
Concen: 17.029 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 5931
Ion Ratio Lower Upper
101 100
85 51.0 0.0 57.0
151 65.1 0.0 134.2

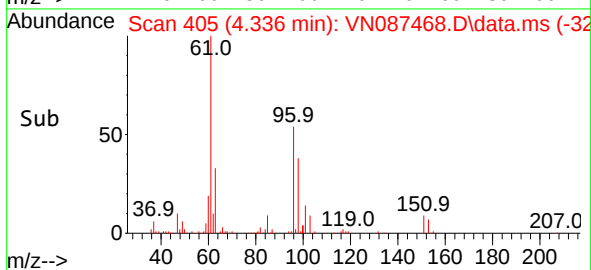
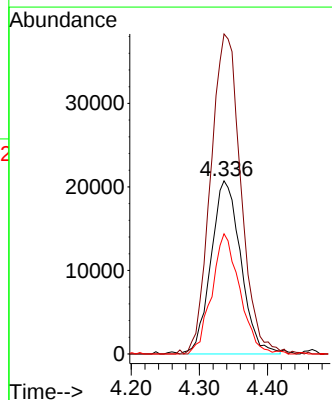
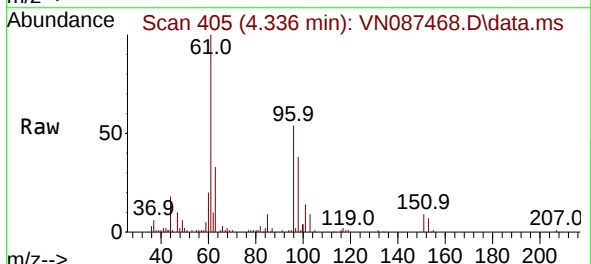
Manual Integrations
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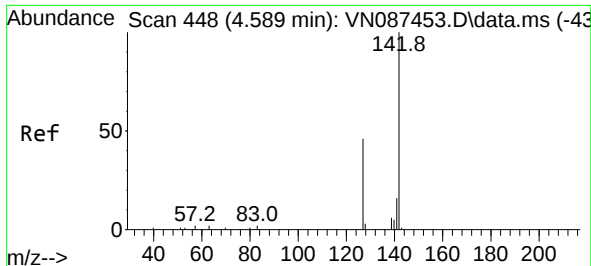
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#10
1,1-Dichloroethene
Concen: 17.208 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

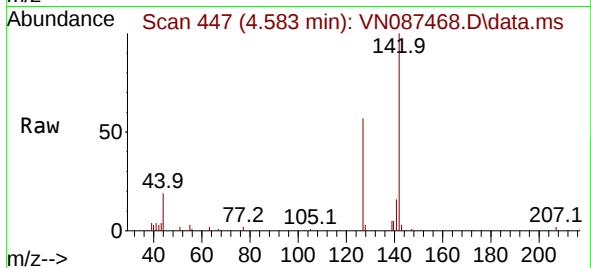
Tgt Ion: 96 Resp: 62955
Ion Ratio Lower Upper
96 100
61 182.9 144.2 216.4
98 69.4 49.7 74.5





#11
Methyl Iodide
Concen: 12.989 ug/l
RT: 4.583 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

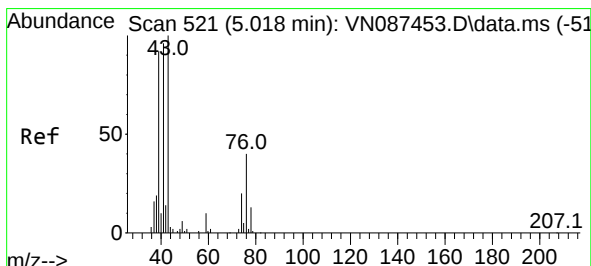
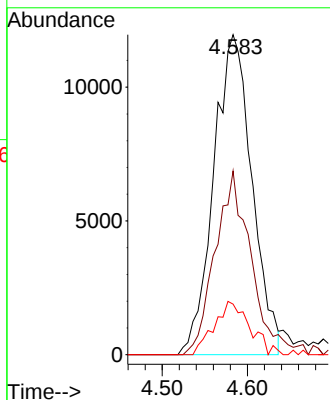
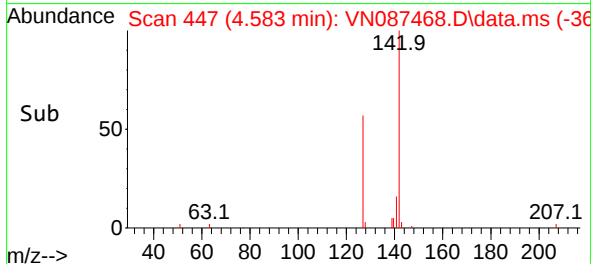
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 37410
Ion Ratio Lower Upper
142 100
127 56.3 22.9 68.7
141 15.7 7.7 23.1

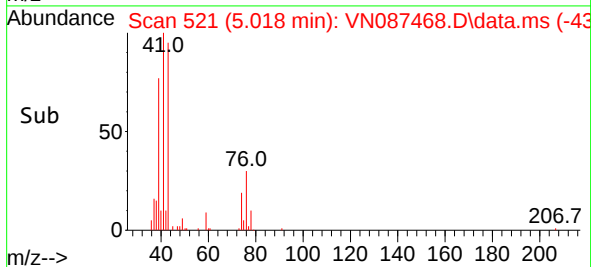
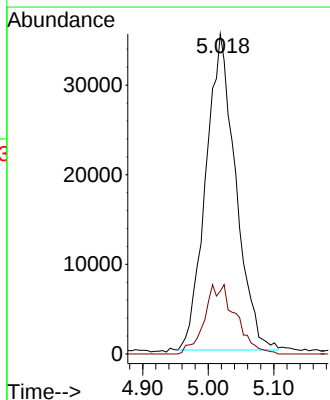
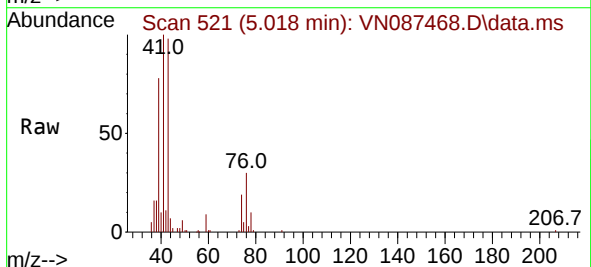
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#12
Methyl Acetate
Concen: 16.571 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

Tgt Ion: 43 Resp: 111874
Ion Ratio Lower Upper
43 100
74 19.9 16.0 24.0





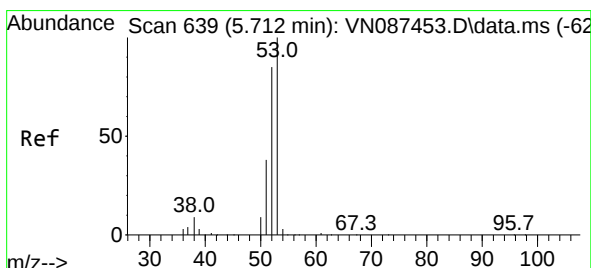
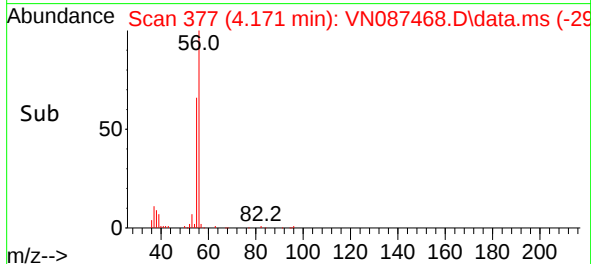
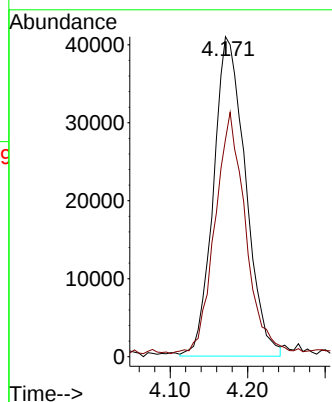
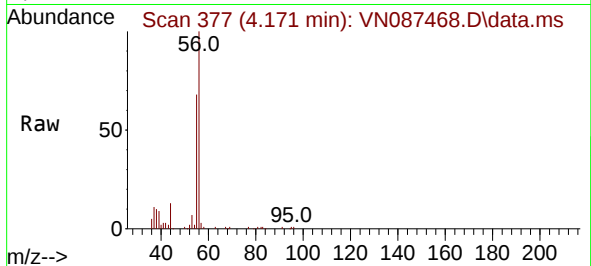
#13
Acrolein
Concen: 114.109 ug/l
RT: 4.171 min Scan# 377
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 11766
Ion Ratio Lower Upper
56 100
55 73.2 57.4 86.0

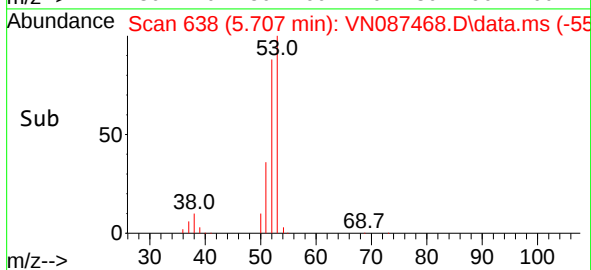
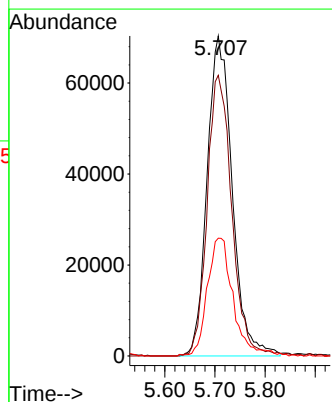
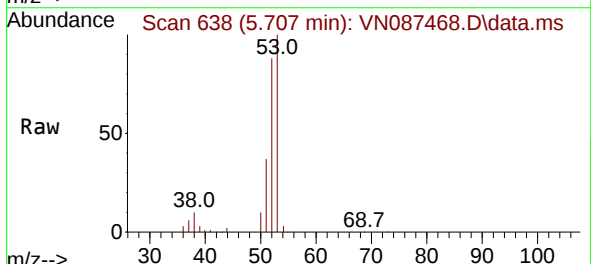
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#14
Acrylonitrile
Concen: 83.015 ug/l
RT: 5.707 min Scan# 638
Delta R.T. -0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

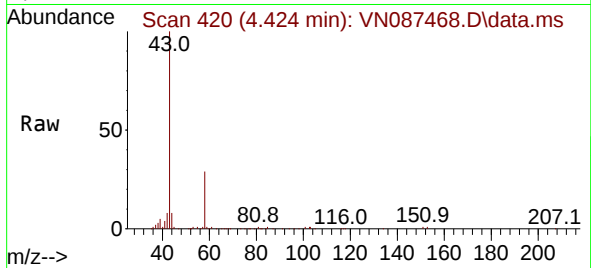
Tgt Ion: 53 Resp: 244735
Ion Ratio Lower Upper
53 100
52 85.2 42.4 127.2
51 36.0 18.5 55.5





#15
Acetone
Concen: 102.019 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

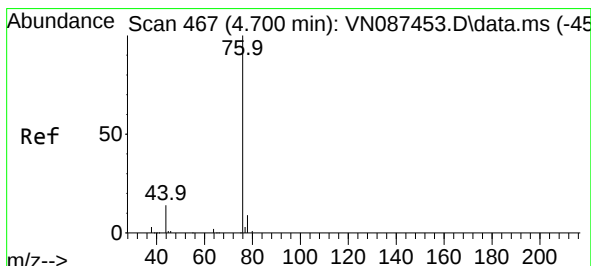
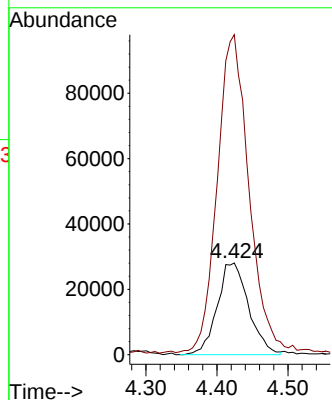
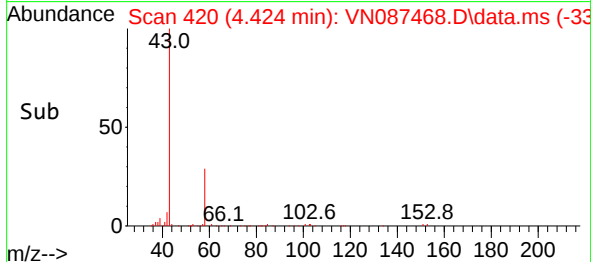
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 58 Resp: 85938
Ion Ratio Lower Upper
58 100
43 345.9 268.9 403.3

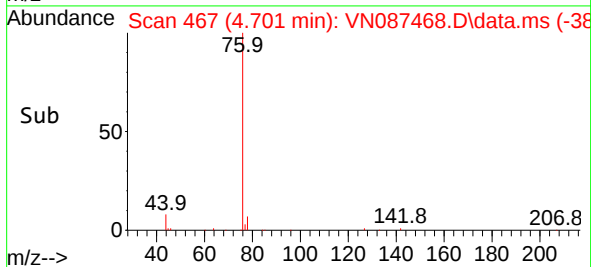
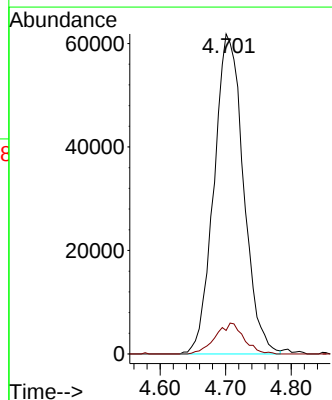
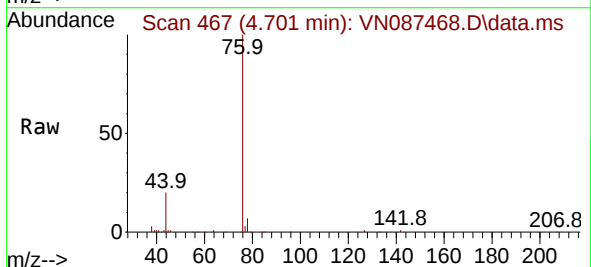
Manual Integrations
APPROVED

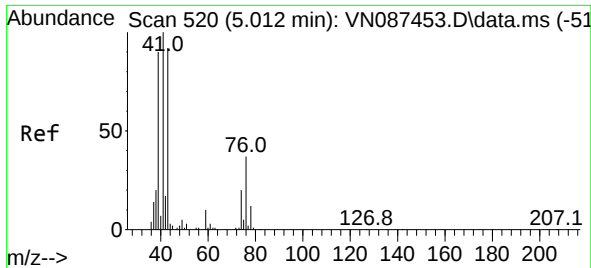
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#16
Carbon Disulfide
Concen: 17.007 ug/l
RT: 4.701 min Scan# 467
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

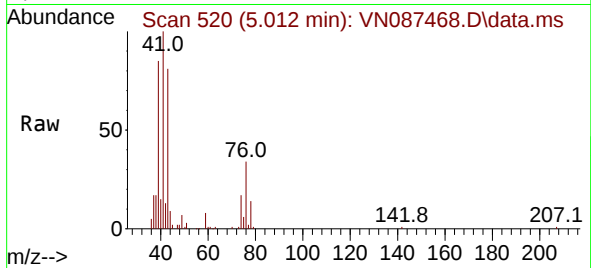
Tgt Ion: 76 Resp: 193011
Ion Ratio Lower Upper
76 100
78 7.4 7.1 10.7





#17
Allyl chloride
Concen: 17.011 ug/l
RT: 5.012 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

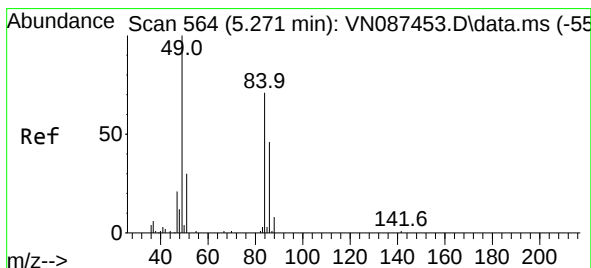
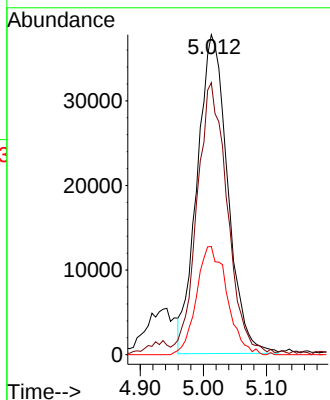
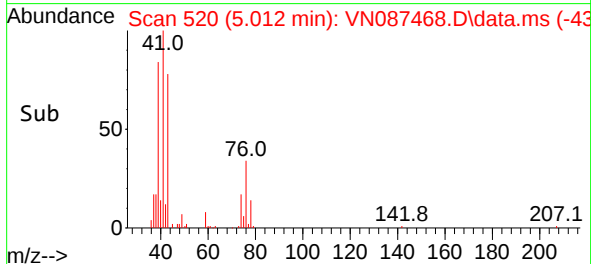
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



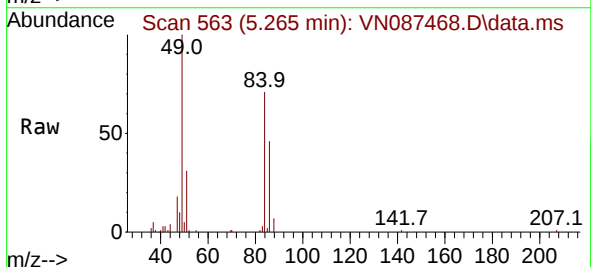
Tgt Ion: 41 Resp: 12685
Ion Ratio Lower Upper
41 100
39 84.9 42.4 127.2
76 34.1 16.9 50.6

Manual Integrations
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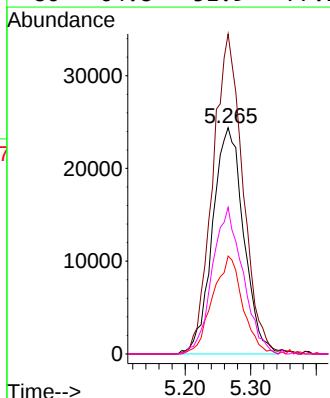
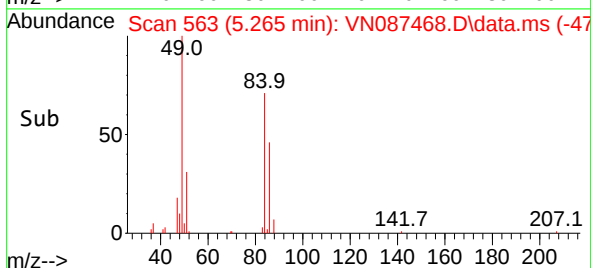
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

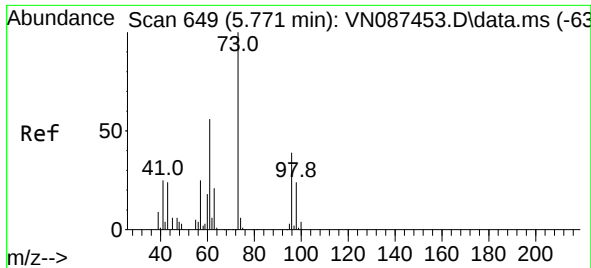


#18
Methylene Chloride
Concen: 17.085 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25



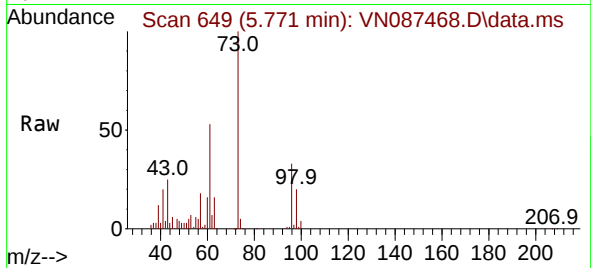
Tgt Ion: 84 Resp: 80466
Ion Ratio Lower Upper
84 100
49 141.5 112.9 169.3
51 43.3 33.8 50.8
86 64.8 51.9 77.9





#19
trans-1,2-Dichloroethene
Concen: 16.618 ug/l
RT: 5.771 min Scan# 649
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

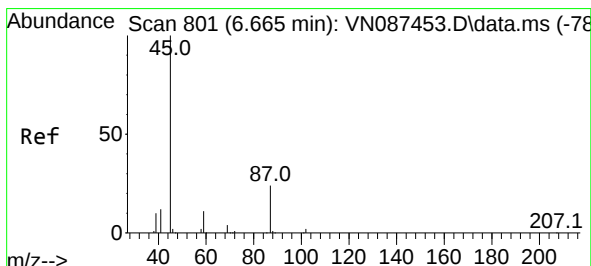
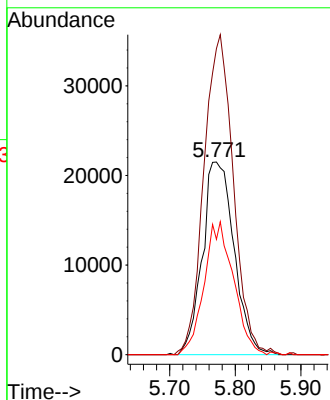
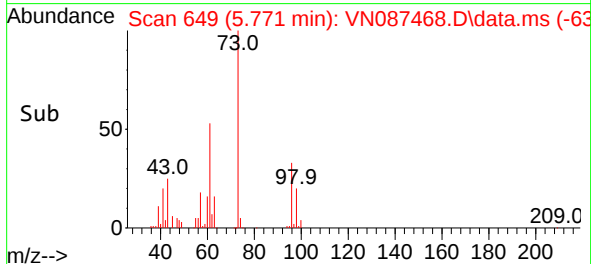
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



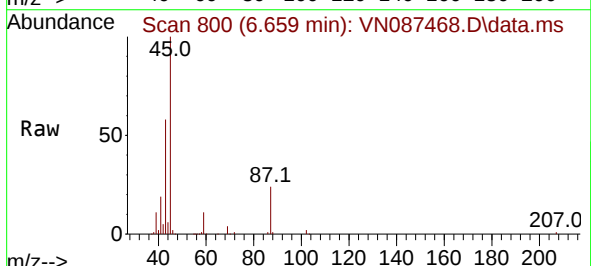
Tgt Ion: 96 Resp: 72299
Ion Ratio Lower Upper
96 100
61 158.0 114.2 171.4
98 59.9 48.7 73.1

Manual Integrations
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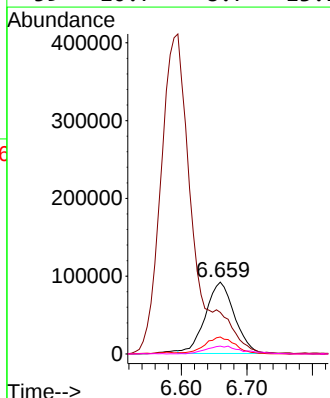
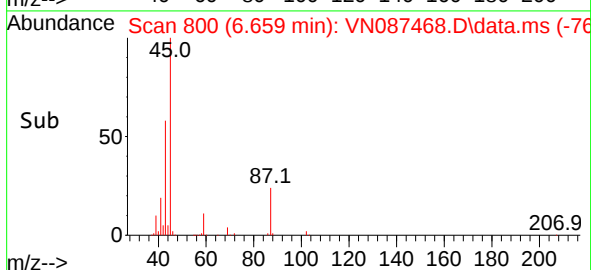
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#20
Diisopropyl ether
Concen: 16.547 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25



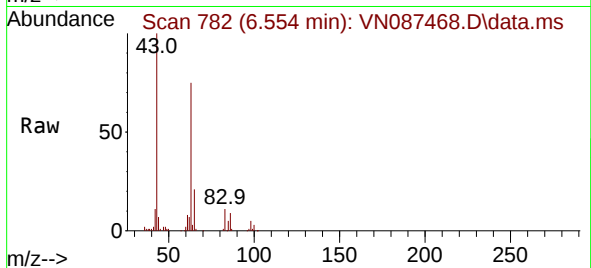
Tgt Ion: 45 Resp: 281091
Ion Ratio Lower Upper
45 100
43 57.1 44.7 67.1
87 23.5 20.2 30.2
59 10.7 8.7 13.1





#21
1,1-Dichloroethane
Concen: 17.234 ug/l
RT: 6.554 min Scan# 782
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

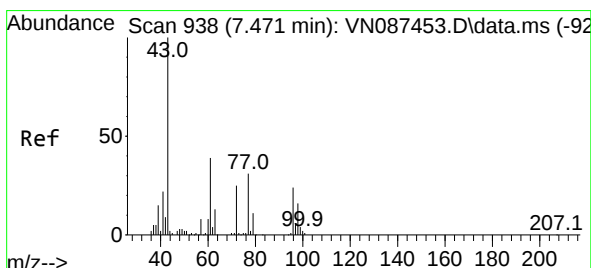
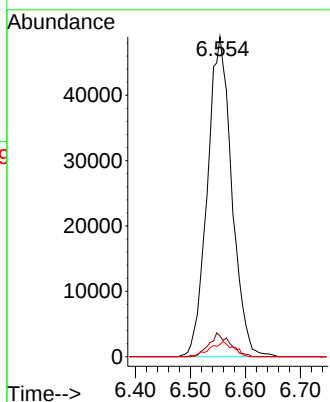
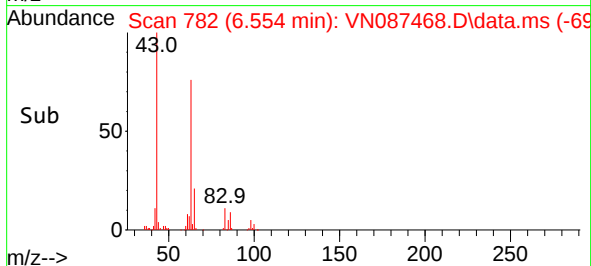
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



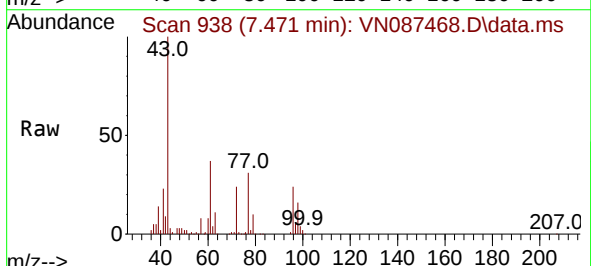
Tgt Ion: 63 Resp: 15133
Ion Ratio Lower Upper
63 100
98 6.5 3.0 9.0
100 3.8 1.9 5.7

Manual Integrations
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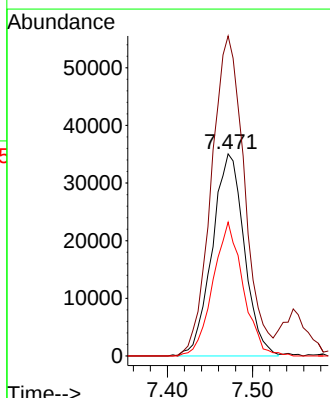
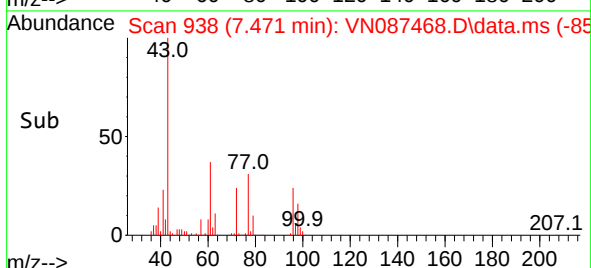
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

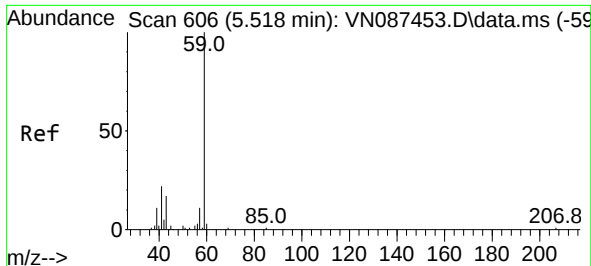


#22
cis-1,2-Dichloroethene
Concen: 17.118 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25



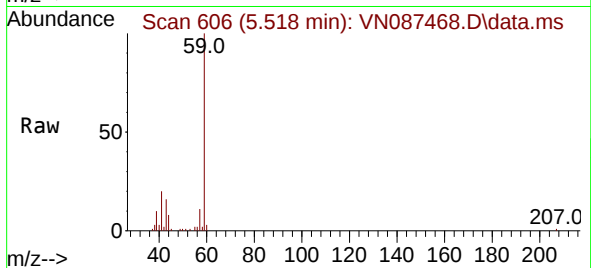
Tgt Ion: 96 Resp: 91637
Ion Ratio Lower Upper
96 100
61 163.4 126.6 190.0
98 62.5 50.9 76.3





#23
tert-Butyl Alcohol
Concen: 73.692 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

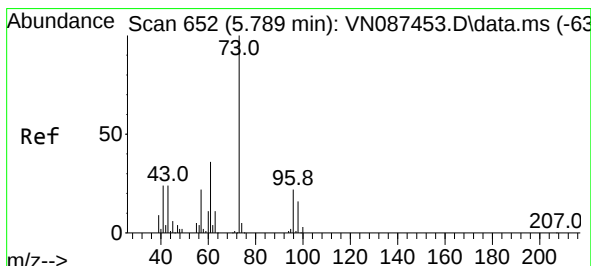
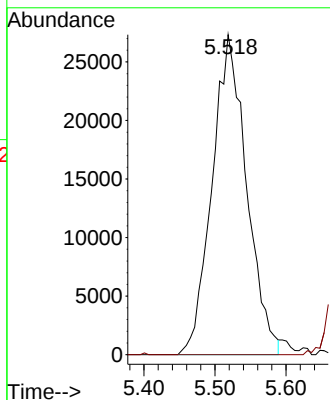
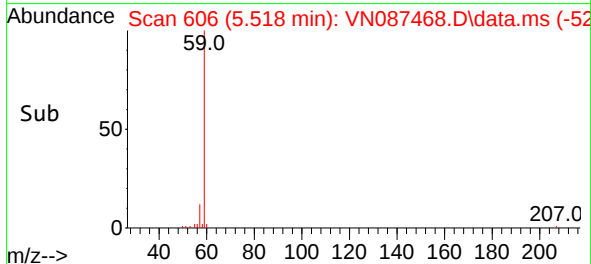
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 59 Resp: 92315
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

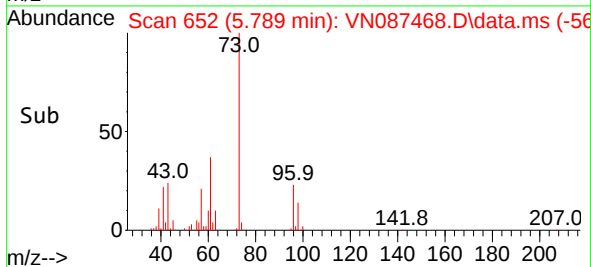
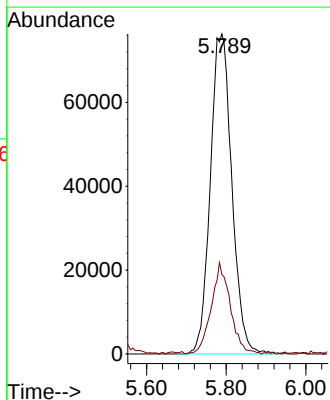
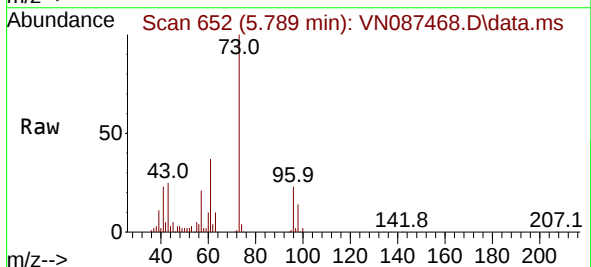
Manual Integrations
APPROVED

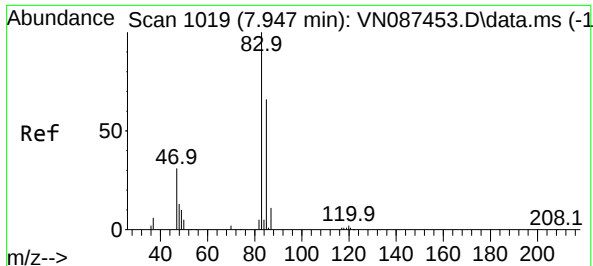
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#24
Methyl tert-Butyl Ether
Concen: 17.180 ug/l m
RT: 5.789 min Scan# 652
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

Tgt Ion: 73 Resp: 286409
Ion Ratio Lower Upper
73 100
43 0.1 19.9 29.9#





#25

Chloroform

Concen: 17.476 ug/l

RT: 7.948 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VN087468.D

Acq: 06 Aug 2025 09:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 16018

Ion Ratio Lower Upper

83 100

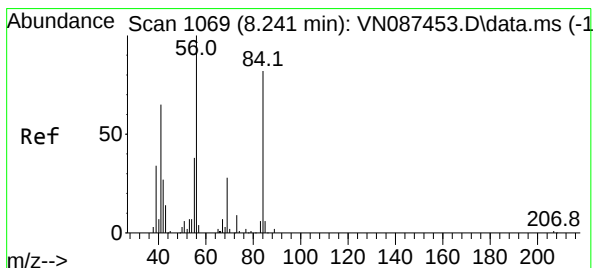
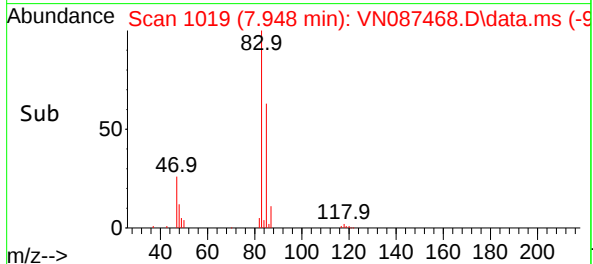
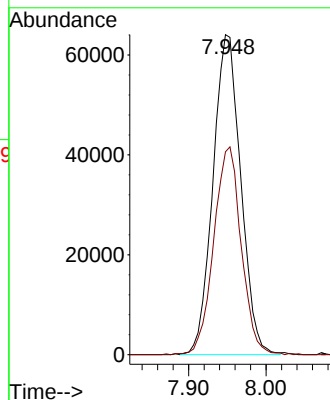
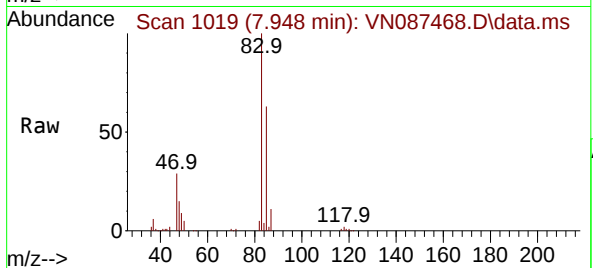
85 63.0 52.6 78.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/07/2025

Supervised By :Mahesh Dadoda 08/07/2025



#26

Cyclohexane

Concen: 17.019 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VN087468.D

Acq: 06 Aug 2025 09:25

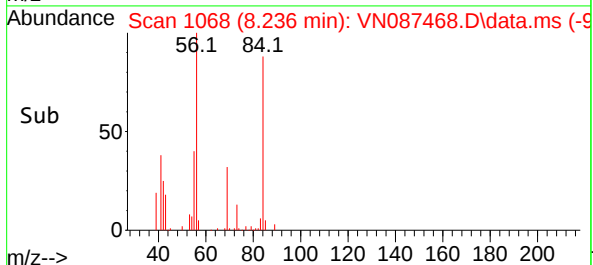
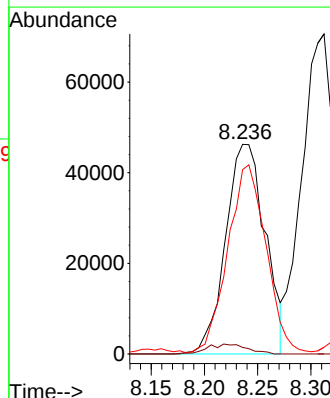
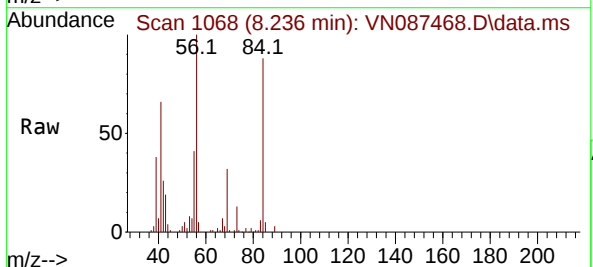
Tgt Ion: 56 Resp: 119652

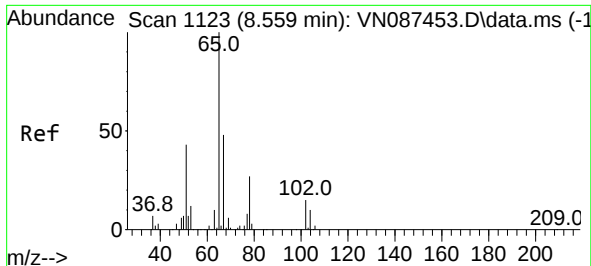
Ion Ratio Lower Upper

56 100

89 4.6 2.3 3.5#

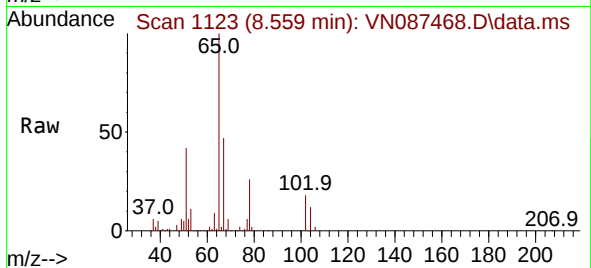
84 87.9 67.0 100.4





#27
1,2-Dichloroethane-d4
Concen: 30.668 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

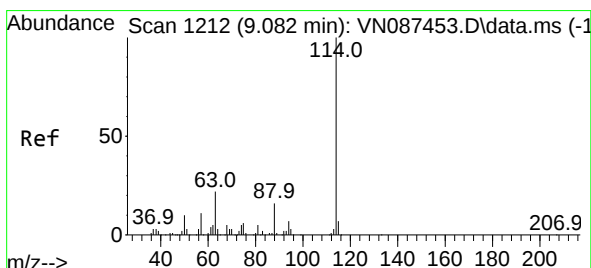
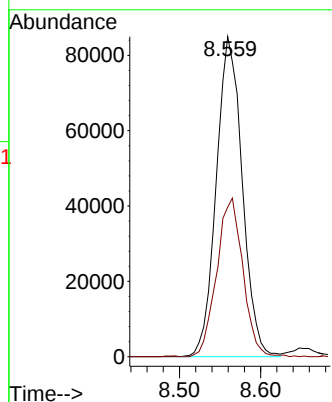
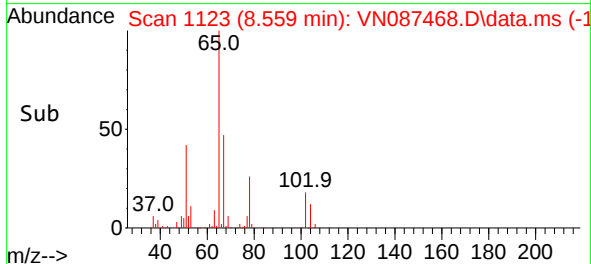
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



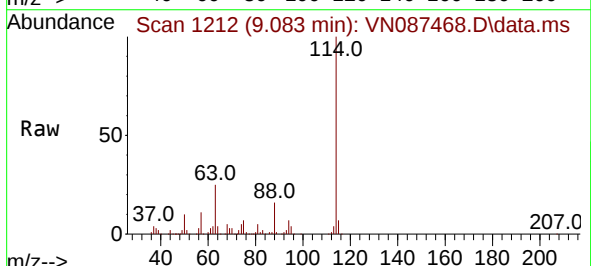
Tgt Ion: 65 Resp: 188954
Ion Ratio Lower Upper
65 100
67 49.7 40.8 61.2

Manual Integrations
APPROVED

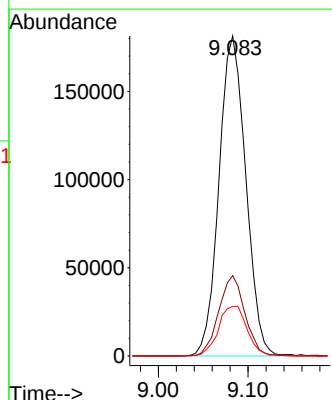
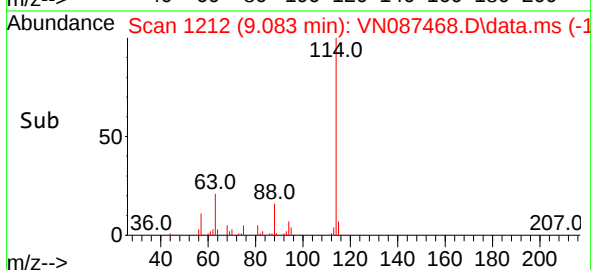
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

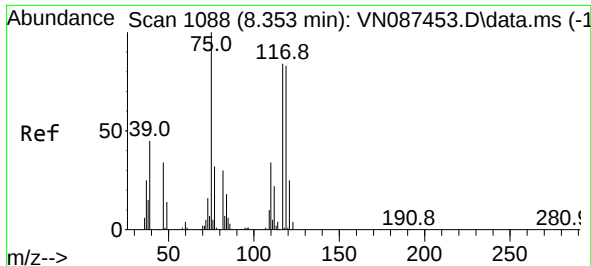


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25



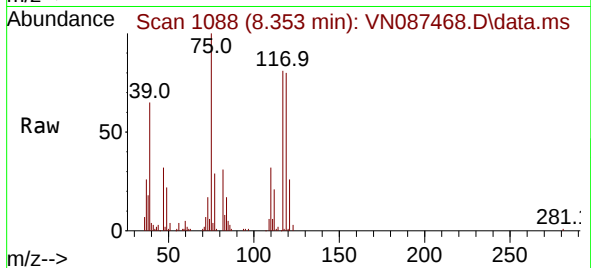
Tgt Ion:114 Resp: 375782
Ion Ratio Lower Upper
114 100
63 24.5 18.9 28.3
88 16.7 13.1 19.7





#29
1,1-Dichloropropene
Concen: 16.851 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

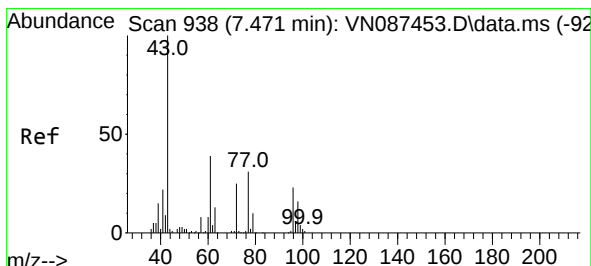
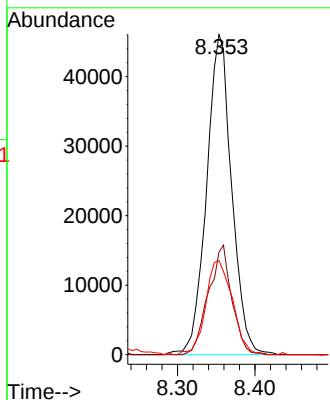
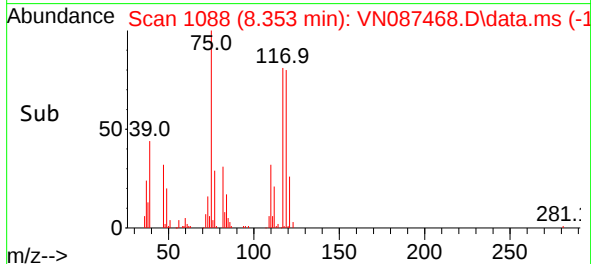
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



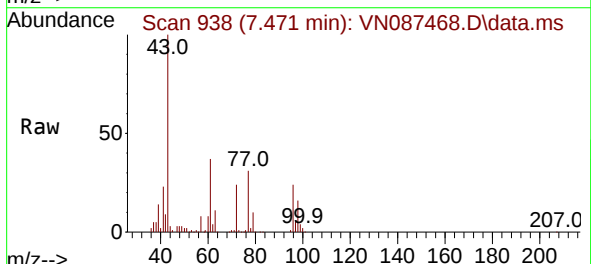
Tgt Ion: 75 Resp: 10328
Ion Ratio Lower Upper
75 100
110 31.9 0.0 65.8
77 31.0 0.0 63.6

Manual Integrations
APPROVED

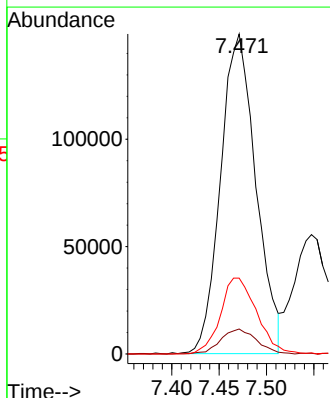
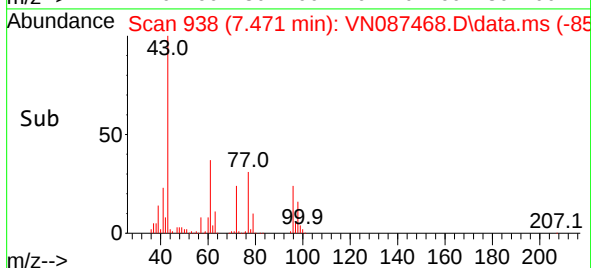
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

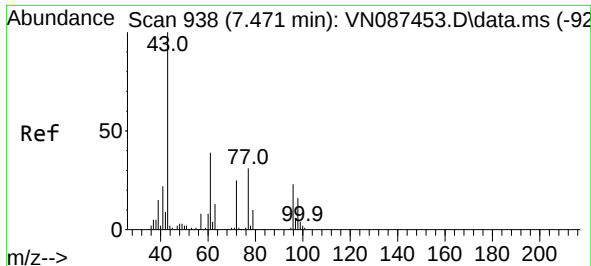


#30
2-Butanone
Concen: 85.575 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25



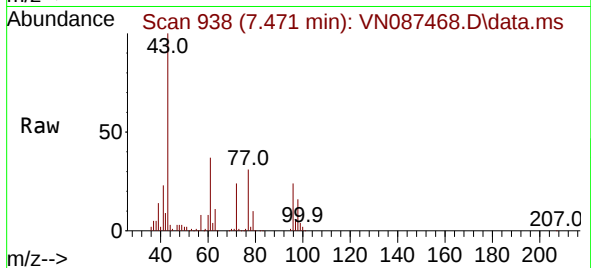
Tgt Ion: 43 Resp: 386613
Ion Ratio Lower Upper
43 100
57 7.9 6.6 9.8
72 24.4 19.7 29.5





#31
2,2-Dichloropropane
Concen: 17.569 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

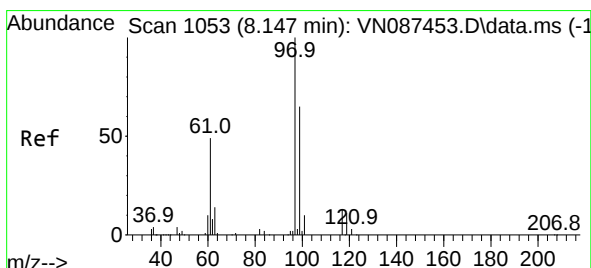
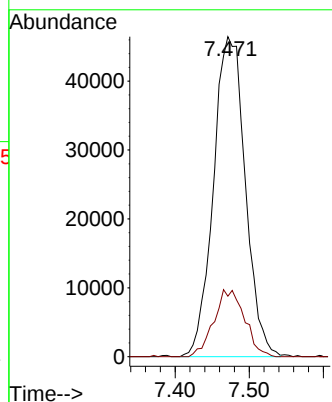
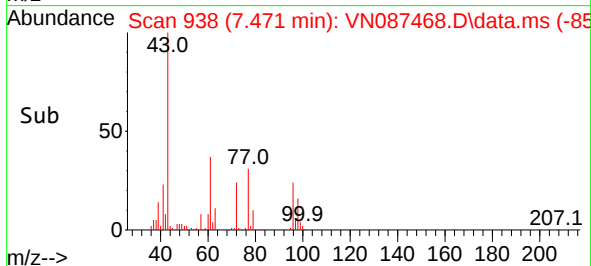
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



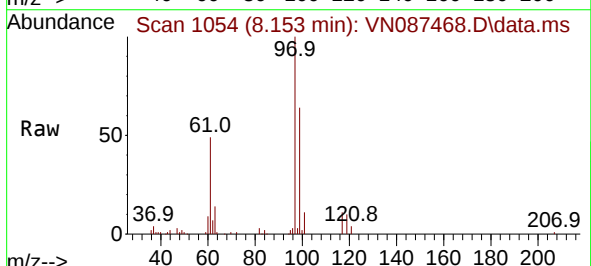
Tgt Ion: 77 Resp: 138879
Ion Ratio Lower Upper
77 100
97 20.2 16.7 25.1

Manual Integrations
APPROVED

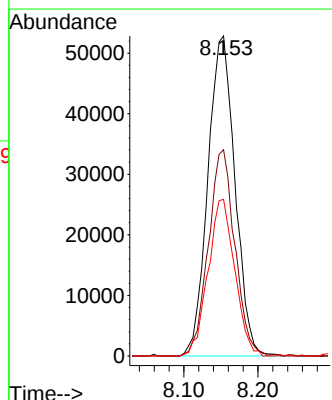
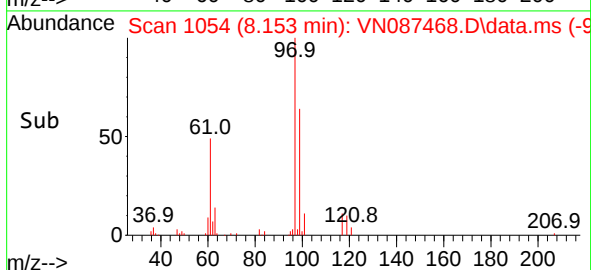
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

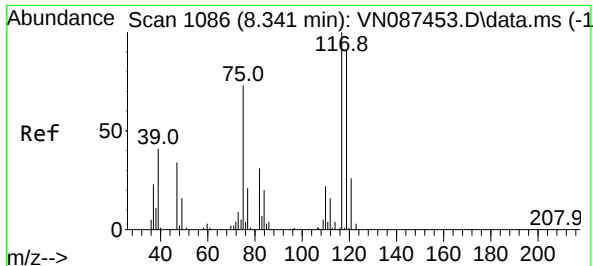


#32
1,1,1-Trichloroethane
Concen: 17.200 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25



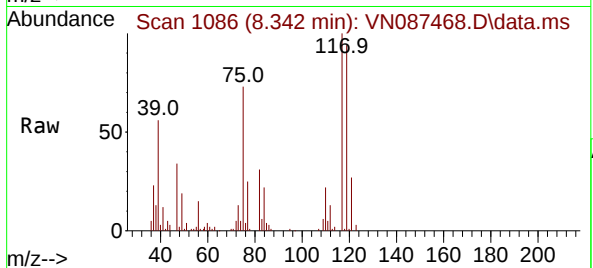
Tgt Ion: 97 Resp: 134451
Ion Ratio Lower Upper
97 100
99 62.7 53.0 79.6
61 48.1 40.6 61.0





#33
Carbon Tetrachloride
Concen: 17.047 ug/l
RT: 8.342 min Scan# 1086
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

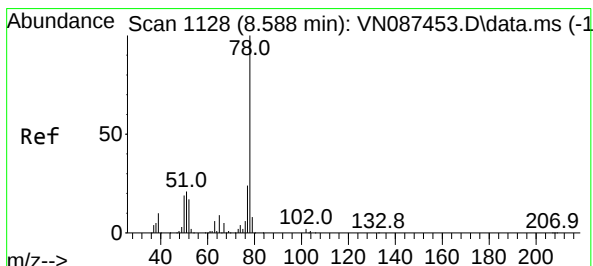
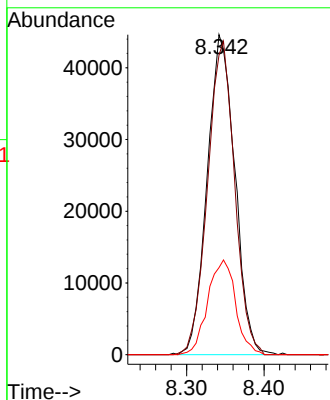
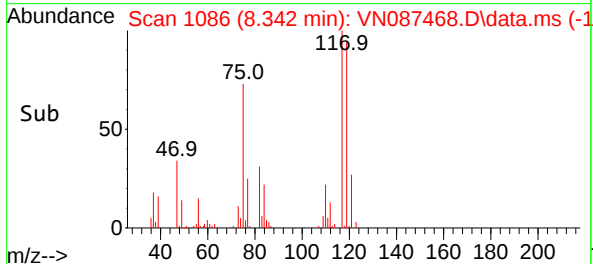
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 117 Resp: 11070
Ion Ratio Lower Upper
117 100
119 93.6 73.4 110.0
121 27.2 21.1 31.7

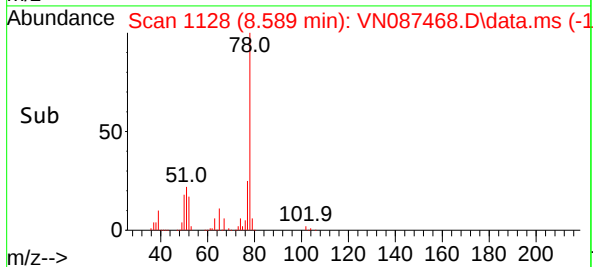
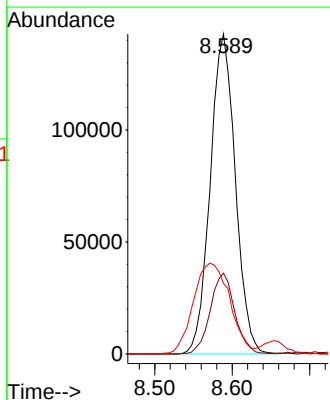
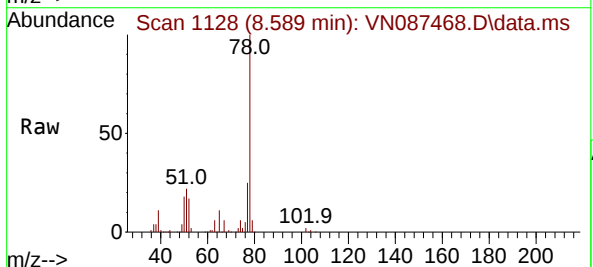
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#34
Benzene
Concen: 16.656 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

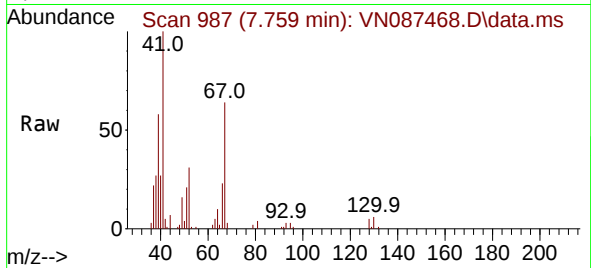
Tgt Ion: 78 Resp: 322241
Ion Ratio Lower Upper
78 100
77 25.3 19.2 28.8
51 19.5 16.9 25.3





#35
Methacrylonitrile
Concen: 15.777 ug/l
RT: 7.759 min Scan# 987
Delta R.T. -0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

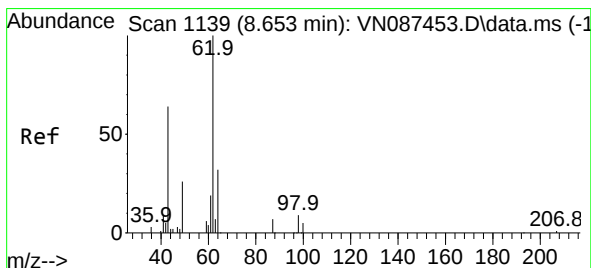
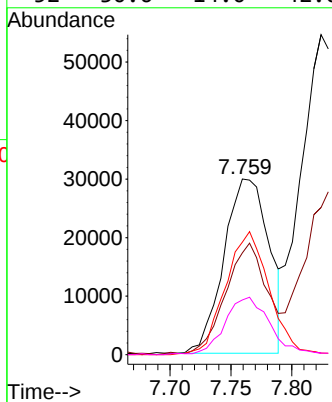
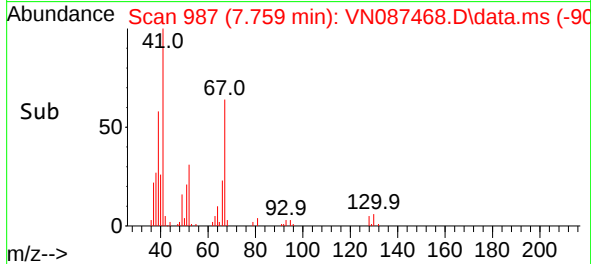
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.6	30.1	90.5
67	64.0	32.0	96.2
52	30.6	14.0	42.0

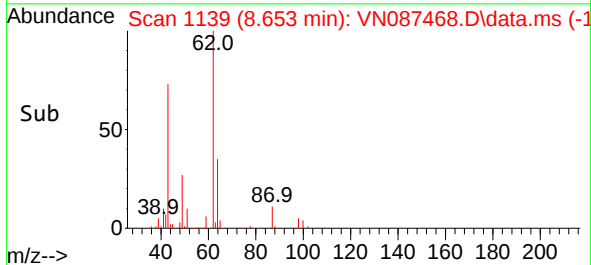
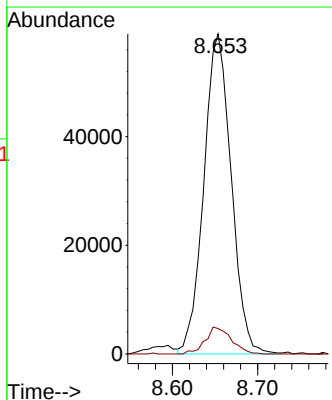
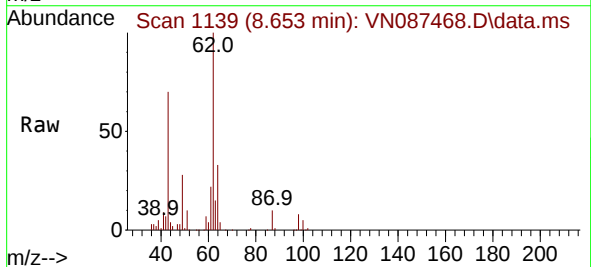
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#36
1,2-Dichloroethane
Concen: 16.844 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

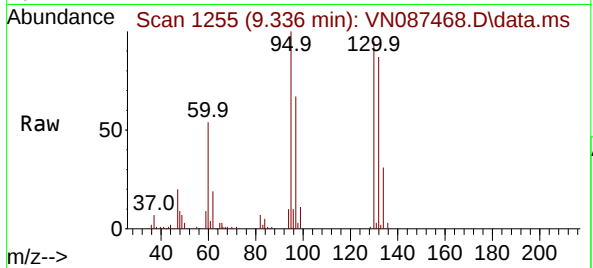
Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.6	9.8





#37
Trichloroethene
Concen: 16.848 ug/l
RT: 9.336 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

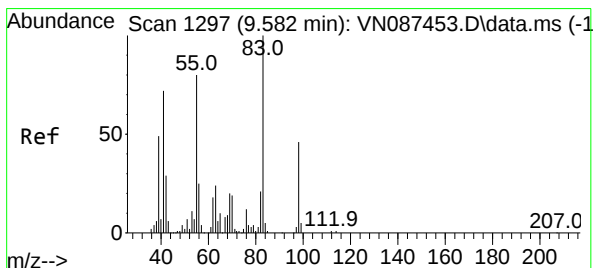
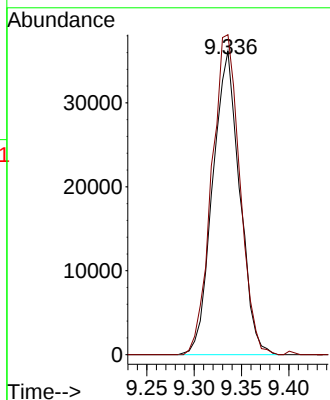
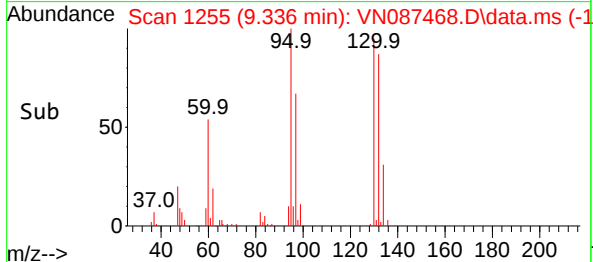
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



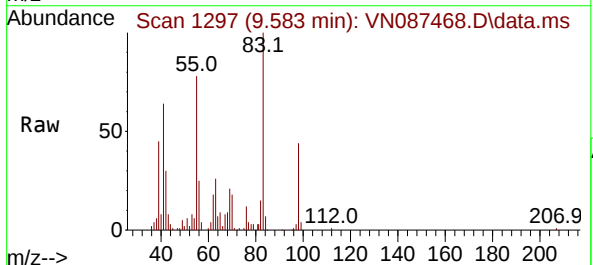
Tgt Ion: 130 Resp: 7180
Ion Ratio Lower Upper
130 100
95 105.4 91.4 137.2

Manual Integrations
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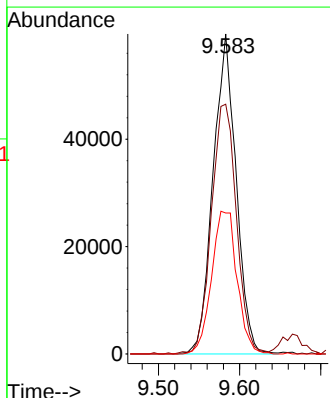
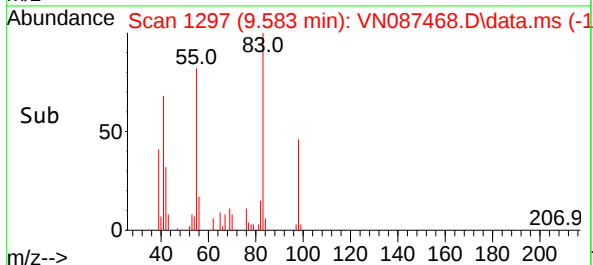
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

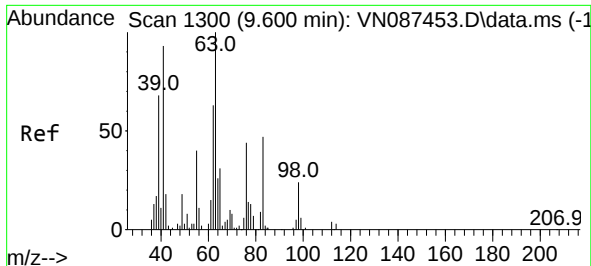


#38
Methylcyclohexane
Concen: 16.533 ug/l
RT: 9.583 min Scan# 1297
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25



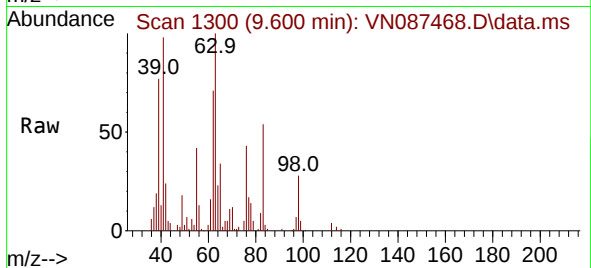
Tgt Ion: 83 Resp: 117555
Ion Ratio Lower Upper
83 100
55 84.0 41.2 123.6
98 49.4 23.3 69.9





#39
1,2-Dichloropropane
Concen: 16.980 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

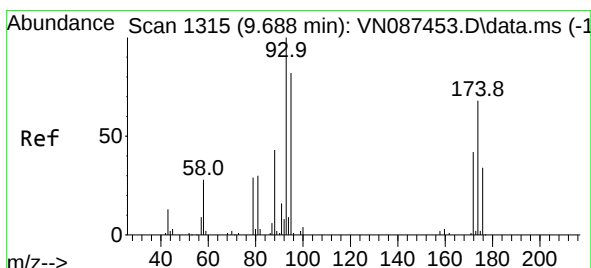
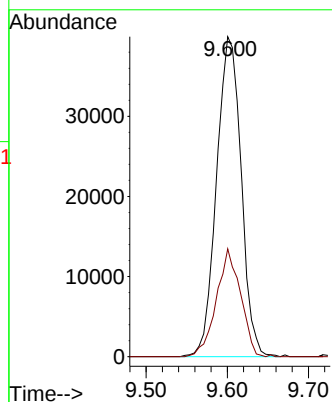
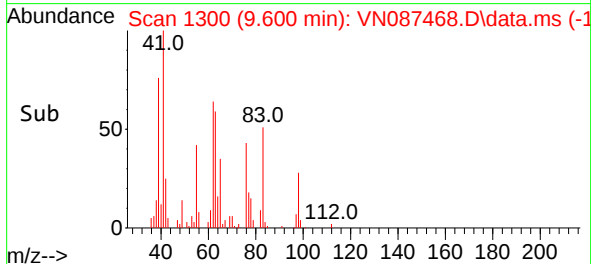
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 84228
Ion Ratio Lower Upper
63 100
65 33.7 24.6 36.8

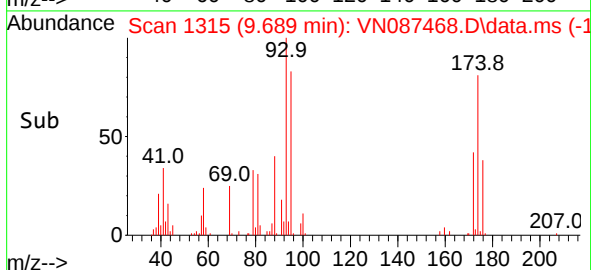
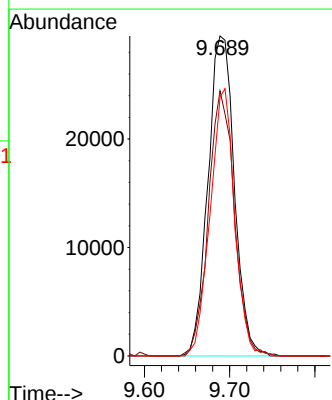
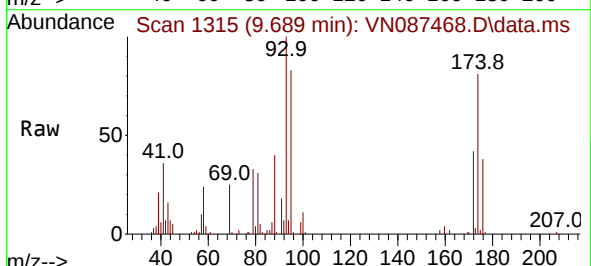
Manual Integrations
APPROVED

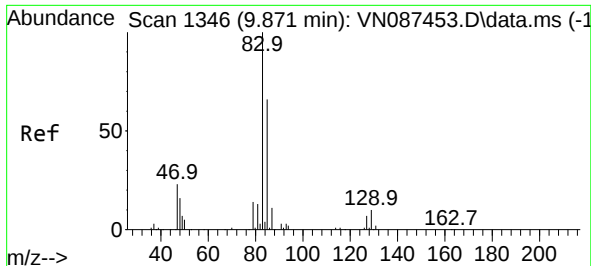
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#40
Dibromomethane
Concen: 17.097 ug/l
RT: 9.689 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

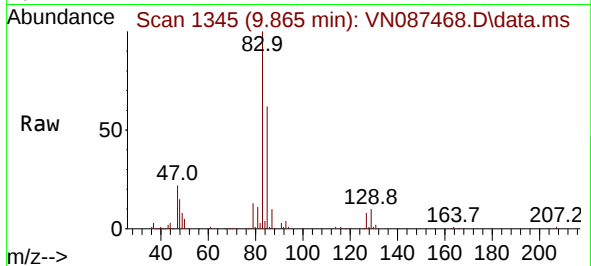
Tgt Ion: 93 Resp: 63631
Ion Ratio Lower Upper
93 100
95 80.8 0.0 161.6
174 77.1 0.0 151.4





#41
Bromodichloromethane
Concen: 16.545 ug/l
RT: 9.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

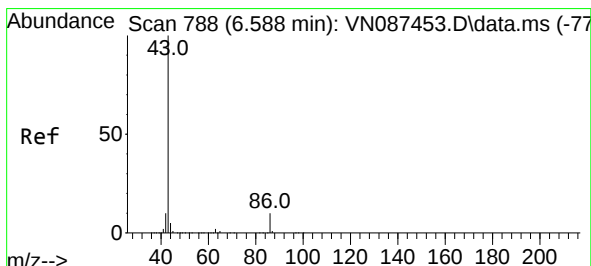
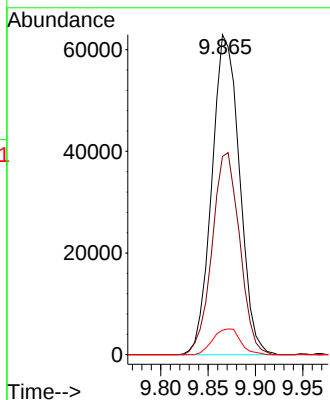
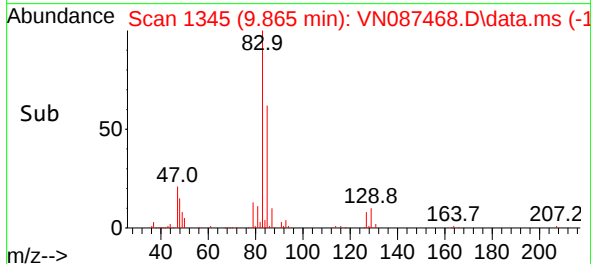
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 83 Resp: 12795
Ion Ratio Lower Upper
83 100
85 62.0 52.9 79.3
127 7.6 5.8 8.6

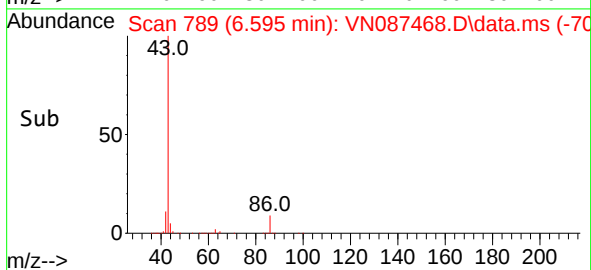
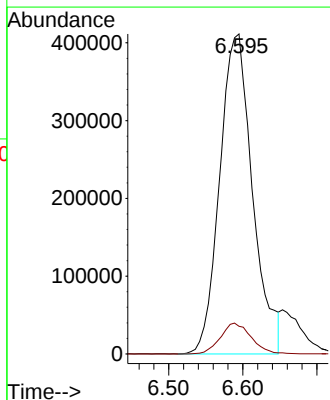
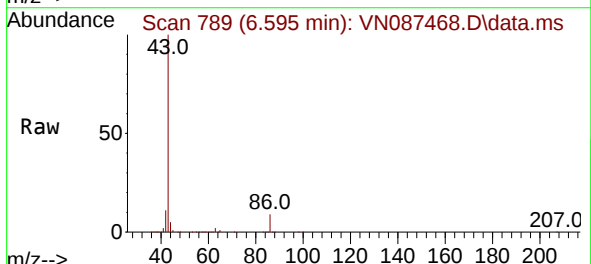
Manual Integrations
APPROVED

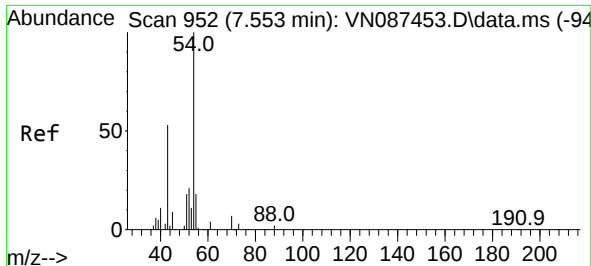
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#42
Vinyl Acetate
Concen: 85.174 ug/l
RT: 6.595 min Scan# 789
Delta R.T. 0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

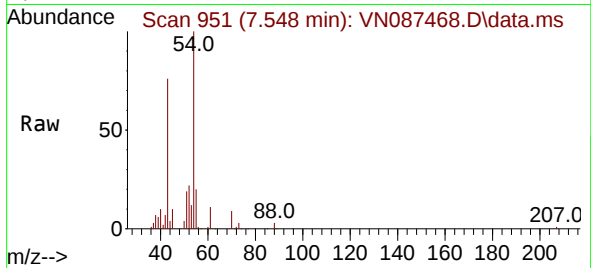
Tgt Ion: 43 Resp: 1267209
Ion Ratio Lower Upper
43 100
86 9.1 7.3 10.9





#43
Ethyl Acetate
Concen: 17.229 ug/l
RT: 7.548 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

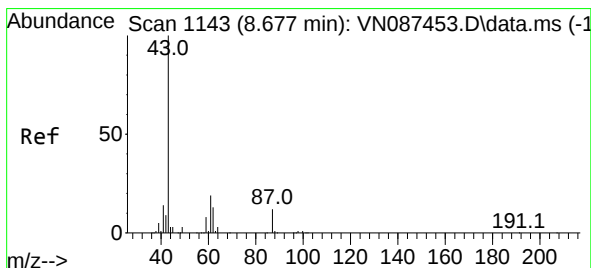
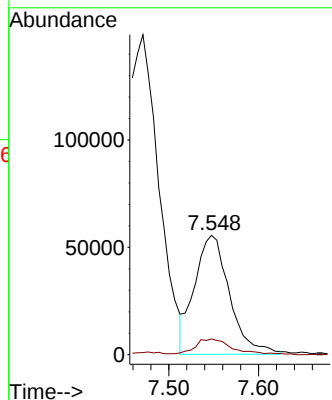
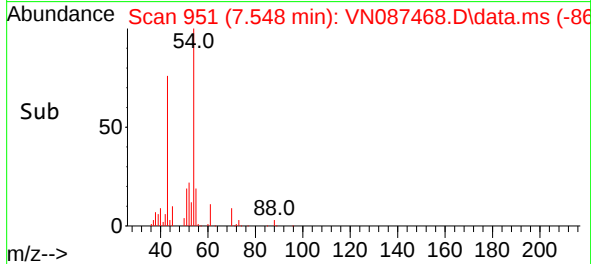
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 150374
Ion Ratio Lower Upper
43 100
45 4.5 11.1 16.7

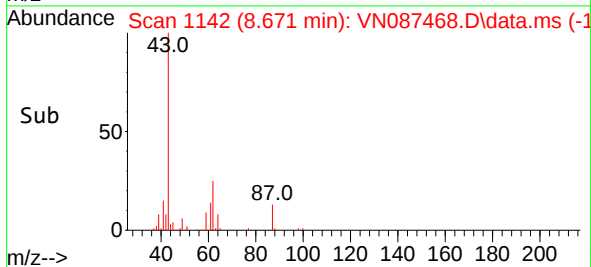
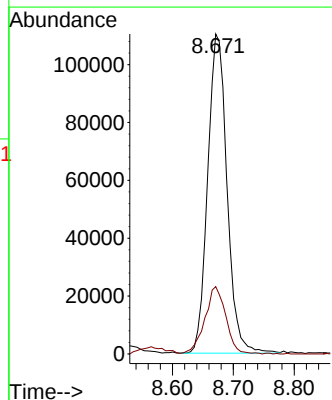
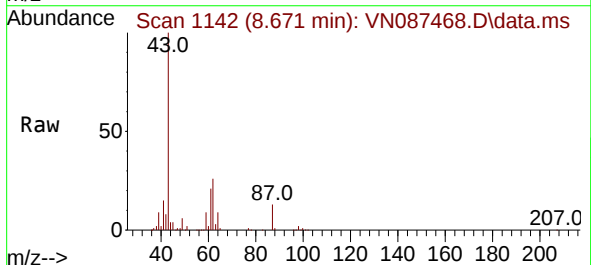
Manual Integrations
APPROVED

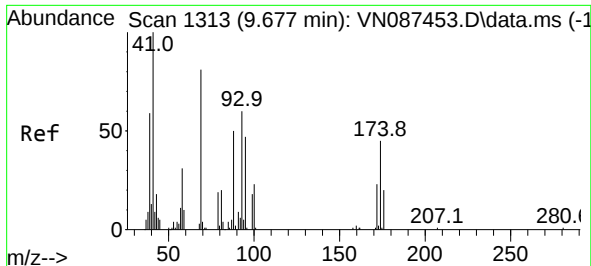
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#44
Isopropyl Acetate
Concen: 16.455 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

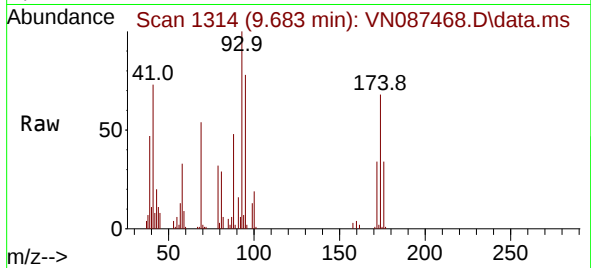
Tgt Ion: 43 Resp: 243450
Ion Ratio Lower Upper
43 100
61 22.9 18.6 28.0





#45
1,4-Dioxane
Concen: 315.176 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

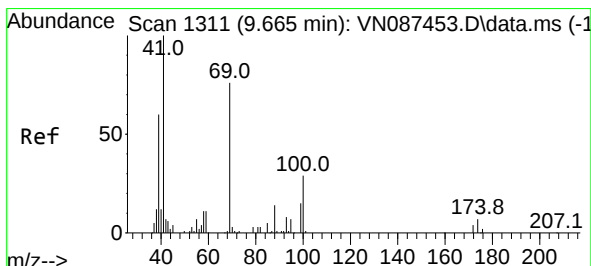
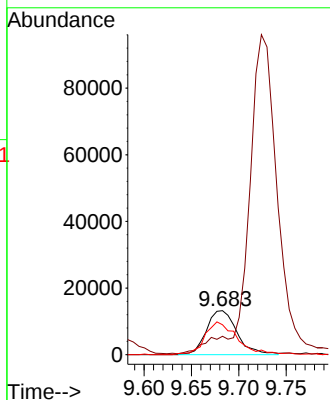
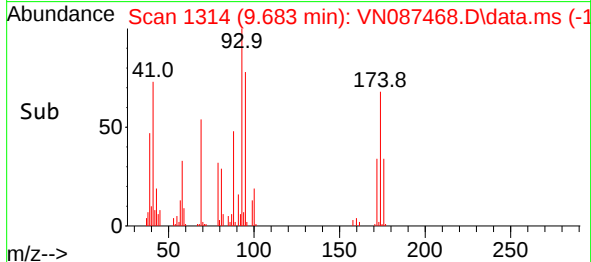
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



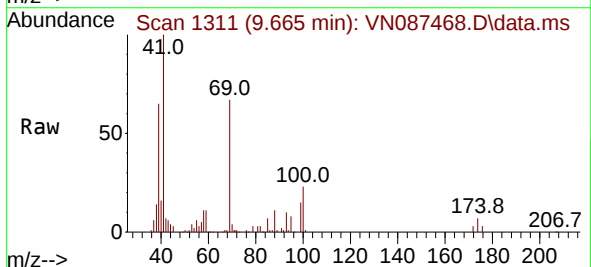
Tgt Ion: 88 Resp: 29720
Ion Ratio Lower Upper
88 100
43 31.9 24.1 36.1
58 71.4 57.2 85.8

Manual Integrations
APPROVED

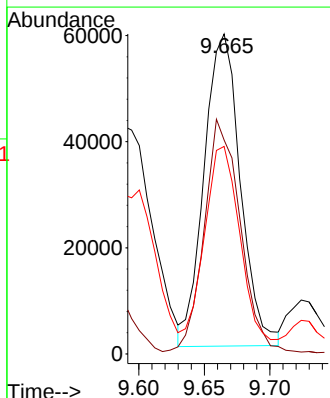
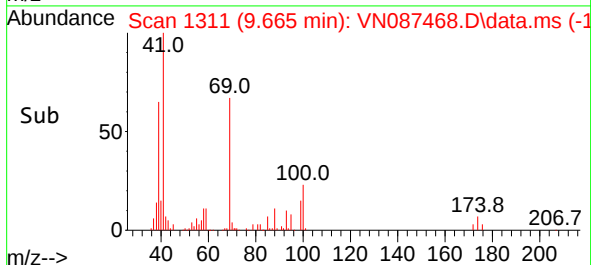
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

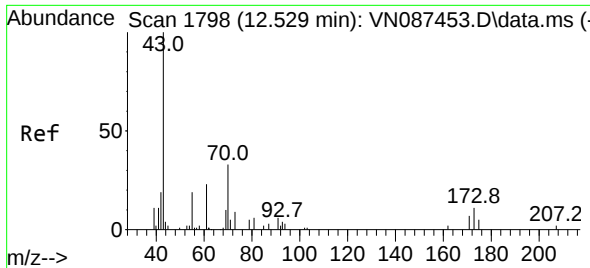


#46
Methyl methacrylate
Concen: 16.239 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25



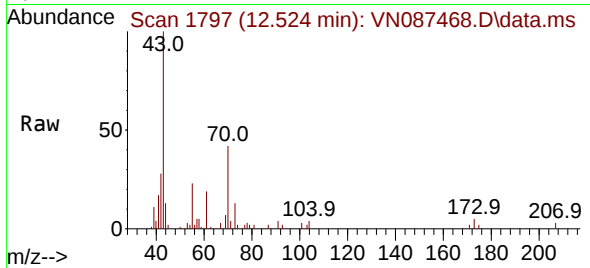
Tgt Ion: 41 Resp: 113405
Ion Ratio Lower Upper
41 100
69 69.3 37.1 111.5
39 64.7 30.7 92.1





#47
n-amy1 Acetate
Concen: 16.383 ug/l m
RT: 12.524 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

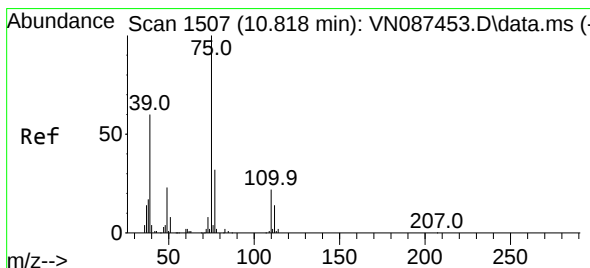
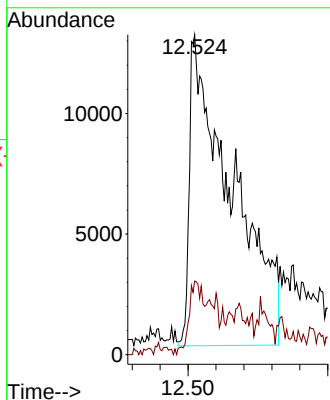
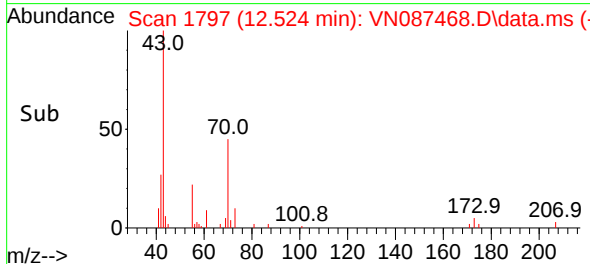
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 13389
Ion Ratio Lower Upper
43 100
55 4.8 4.6 6.8

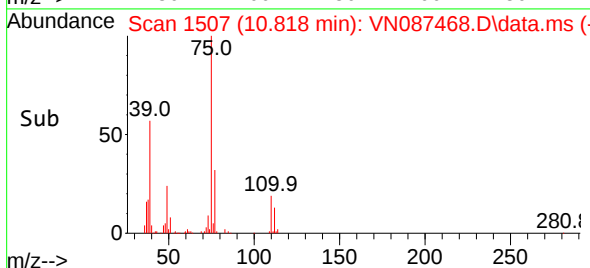
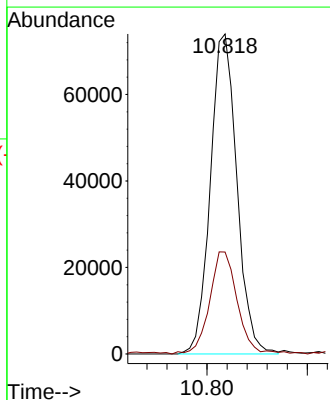
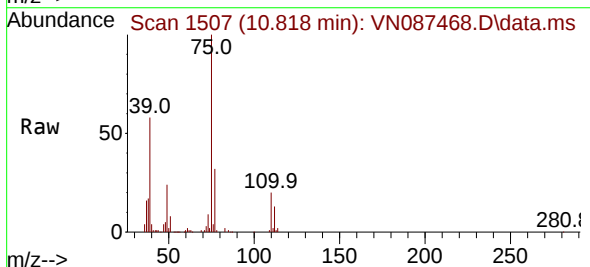
Manual Integrations
APPROVED

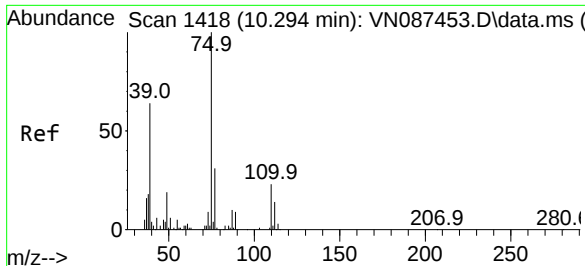
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#48
t-1,3-Dichloropropene
Concen: 16.163 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

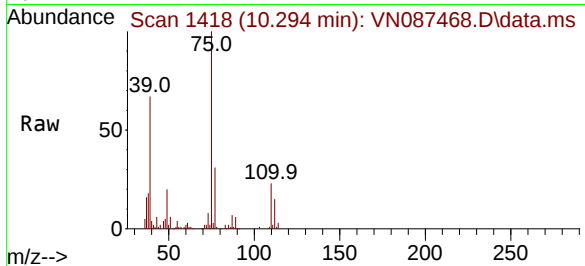
Tgt Ion: 75 Resp: 135994
Ion Ratio Lower Upper
75 100
77 31.3 25.3 37.9





#49
 cis-1,3-Dichloropropene
 Concen: 16.565 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VN087468.D
 Acq: 06 Aug 2025 09:25

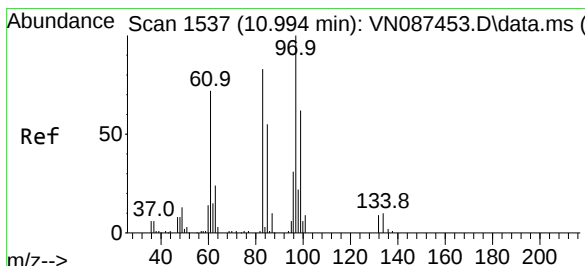
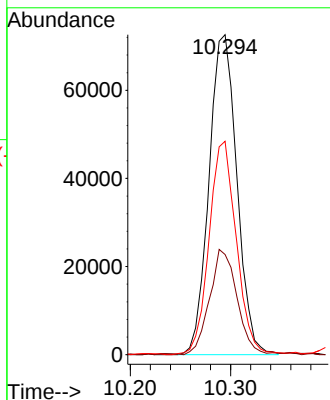
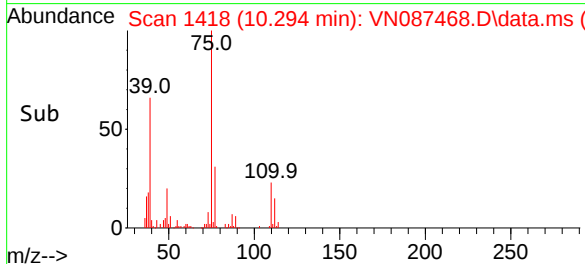
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 75 Resp: 140264
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.6 36.8
 39 66.3 51.5 77.3

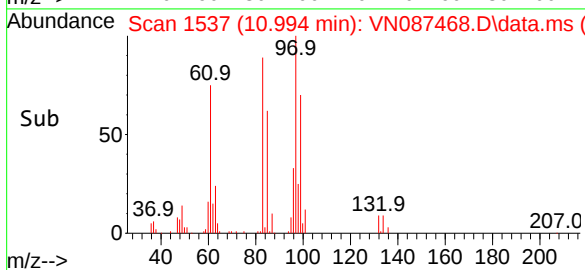
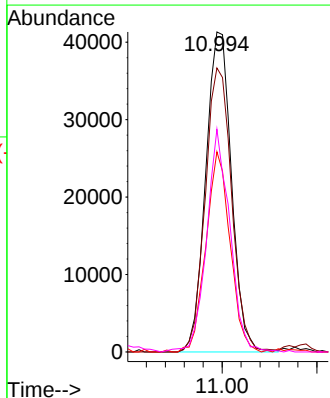
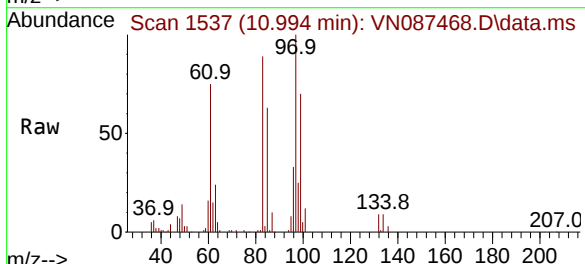
Manual Integrations
 APPROVED

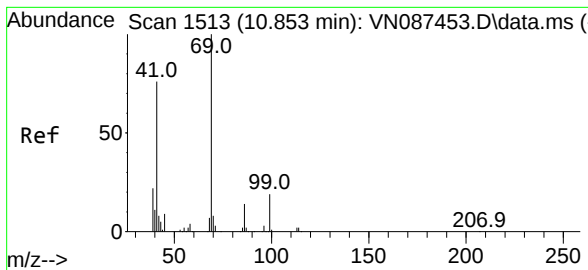
Reviewed By :John Carlone 08/07/2025
 Supervised By :Mahesh Dadoda 08/07/2025



#50
 1,1,2-Trichloroethane
 Concen: 16.554 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.000 min
 Lab File: VN087468.D
 Acq: 06 Aug 2025 09:25

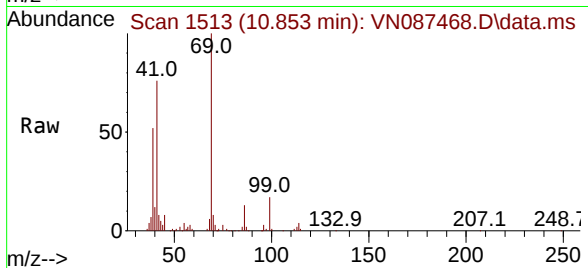
Tgt Ion: 97 Resp: 77842
 Ion Ratio Lower Upper
 97 100
 83 88.8 66.2 99.2
 85 62.6 43.9 65.9
 99 69.2 50.0 75.0





#51
Ethyl methacrylate
Concen: 16.764 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

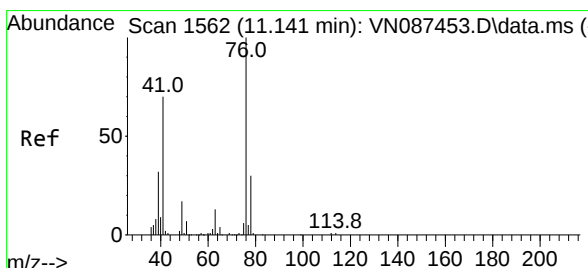
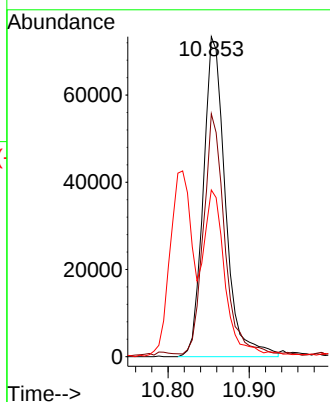
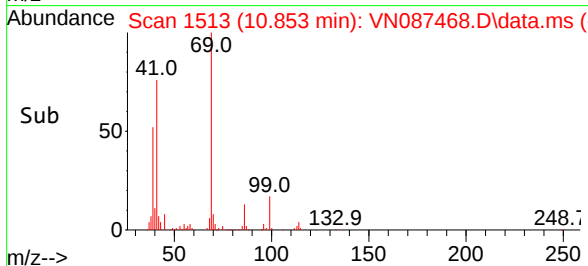
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 69 Resp: 13883
Ion Ratio Lower Upper
69 100
41 75.0 38.0 114.1
39 50.7 23.2 69.5

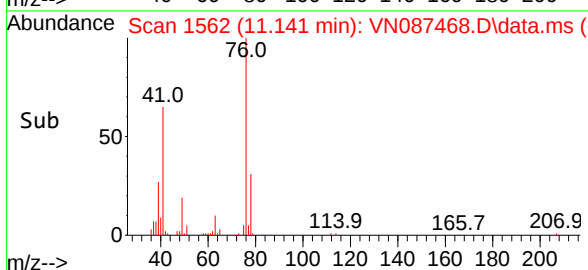
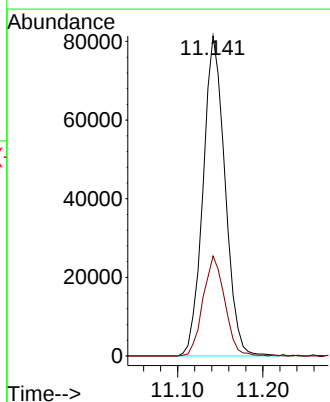
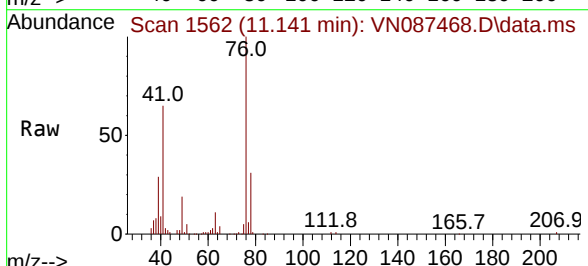
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#52
1,3-Dichloropropane
Concen: 17.193 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

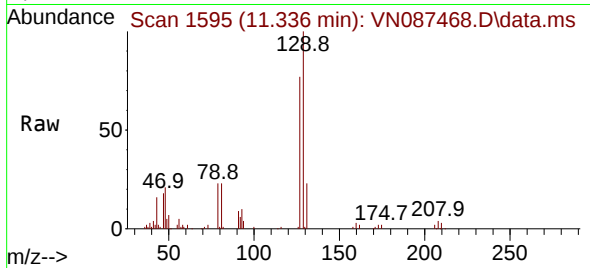
Tgt Ion: 76 Resp: 145659
Ion Ratio Lower Upper
76 100
78 30.8 0.0 63.0





#53
Dibromochloromethane
Concen: 16.482 ug/l
RT: 11.336 min Scan# 1595
Delta R.T. -0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

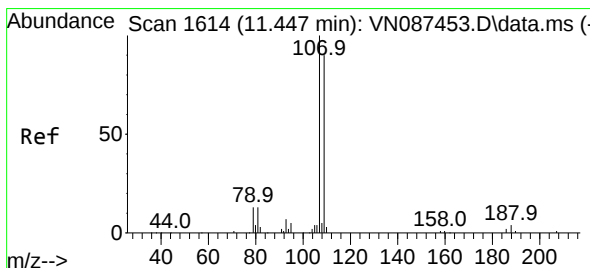
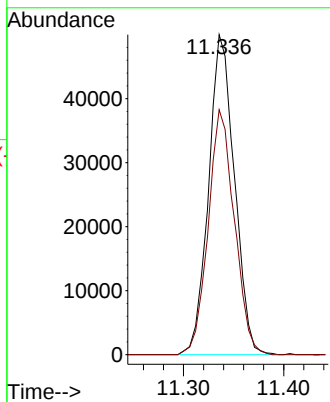
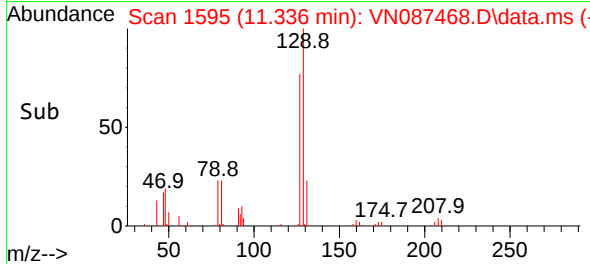
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



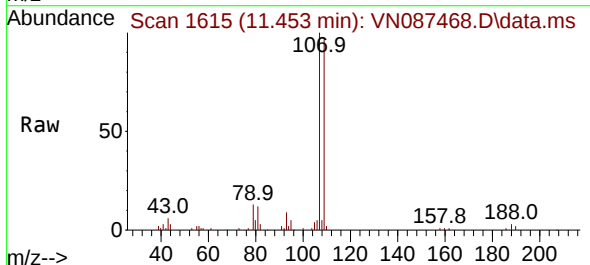
Tgt Ion:129 Resp: 89509
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.3

Manual Integrations
APPROVED

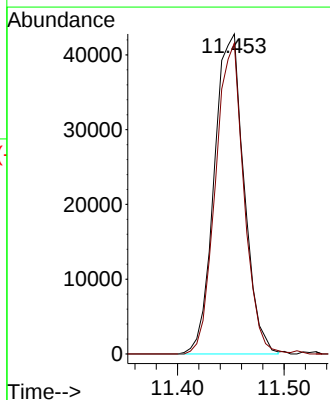
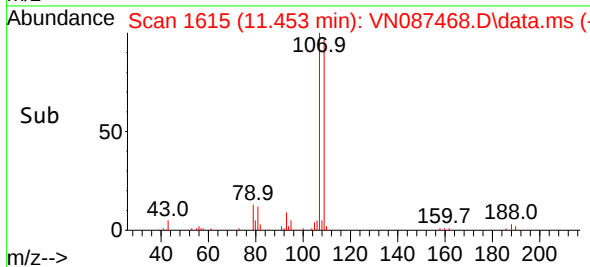
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

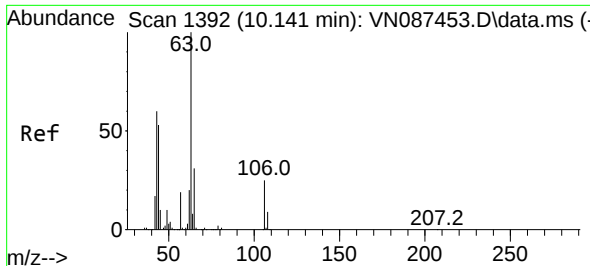


#54
1,2-Dibromoethane
Concen: 16.643 ug/l
RT: 11.453 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25



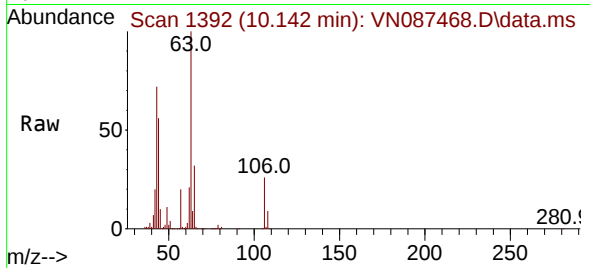
Tgt Ion:107 Resp: 83080
Ion Ratio Lower Upper
107 100
109 92.5 74.2 111.4





#55
2-Chloroethyl vinyl ether
Concen: 101.073 ug/l
RT: 10.142 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

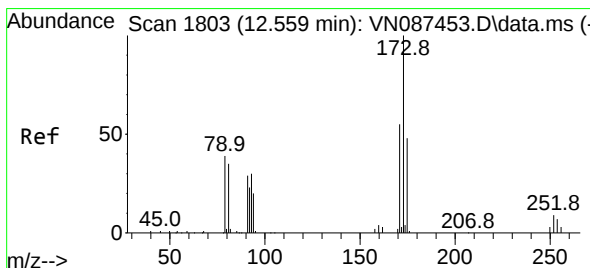
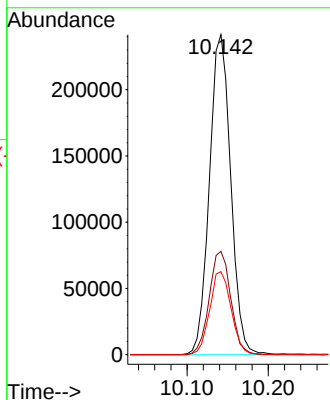
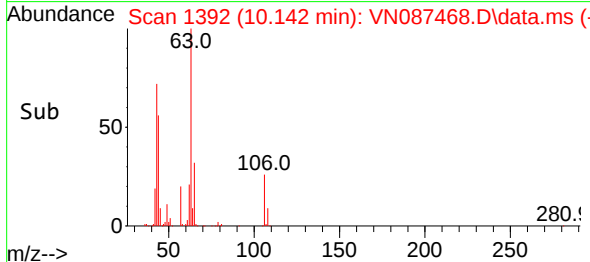
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 440652
Ion Ratio Lower Upper
63 100
65 32.6 25.7 38.5
106 26.1 20.7 31.1

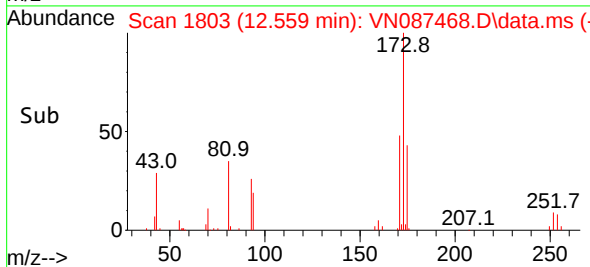
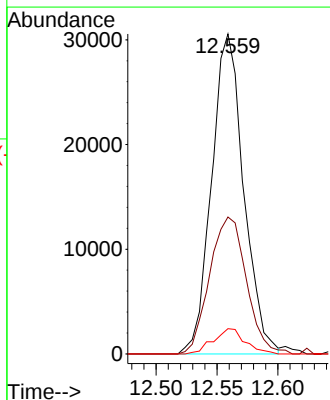
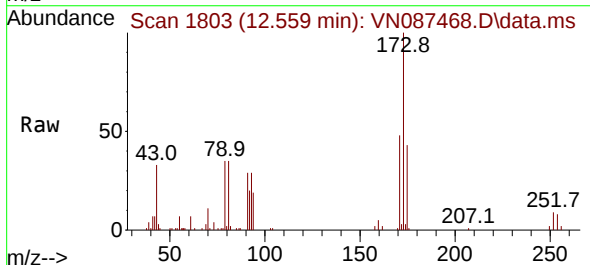
Manual Integrations
APPROVED

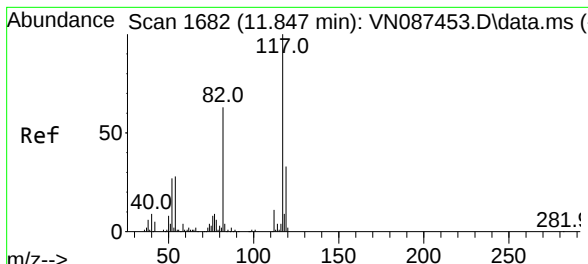
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#56
Bromoform
Concen: 15.617 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

Tgt Ion:173 Resp: 56097
Ion Ratio Lower Upper
173 100
175 49.0 38.8 58.2
254 7.9 3.9 5.9#





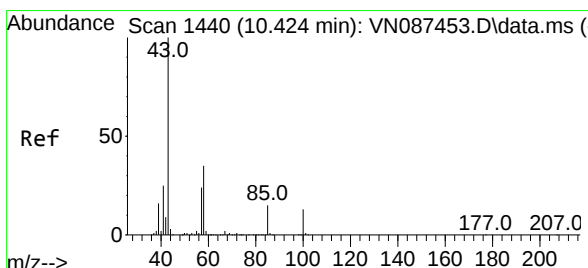
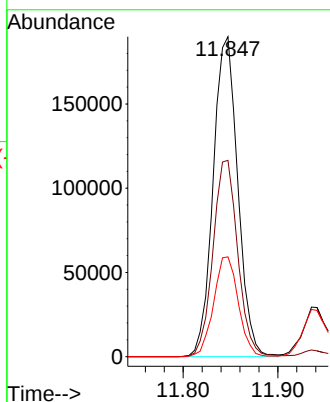
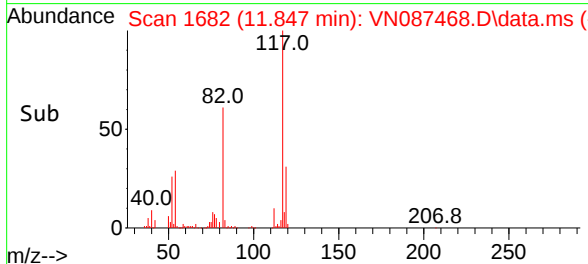
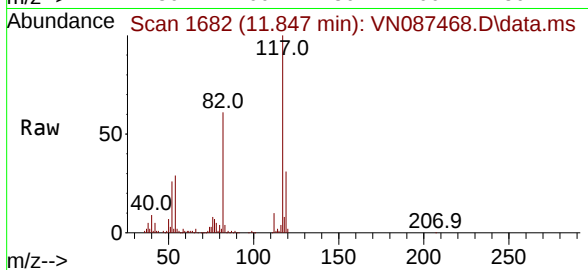
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.847 min Scan# 1184
 Delta R.T. 0.000 min
 Lab File: VN087468.D
 Acq: 06 Aug 2025 09:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:	117	Resp:	344040
Ion Ratio	Lower	Upper	
117	100		
82	61.7	49.2	73.8
119	31.3	25.7	38.5

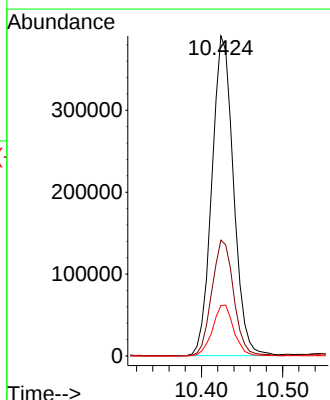
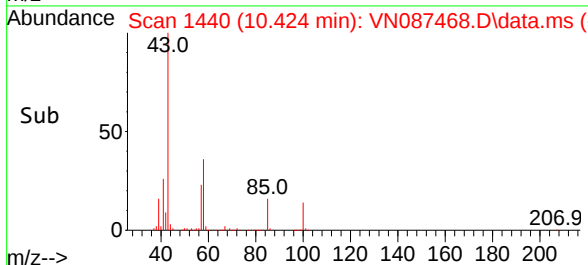
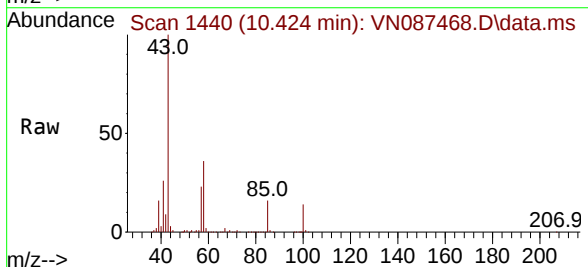
Manual Integrations
 APPROVED

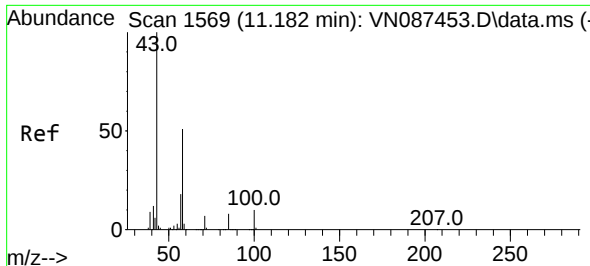
Reviewed By :John Carlone 08/07/2025
 Supervised By :Mahesh Dadoda 08/07/2025



#58
 4-Methyl-2-Pentanone
 Concen: 81.801 ug/l
 RT: 10.424 min Scan# 1440
 Delta R.T. 0.000 min
 Lab File: VN087468.D
 Acq: 06 Aug 2025 09:25

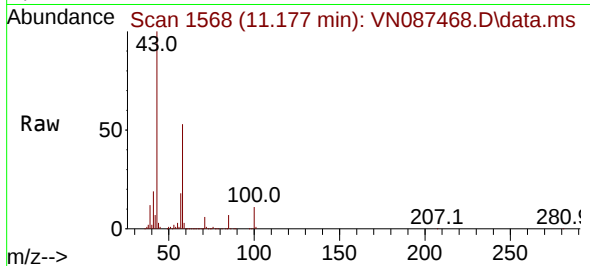
Tgt Ion:	43	Resp:	723973
Ion Ratio	Lower	Upper	
43	100		
58	36.7	29.0	43.6
85	15.7	12.7	19.1





#59
2-Hexanone
Concen: 82.598 ug/l
RT: 11.177 min Scan# 1569
Delta R.T. -0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

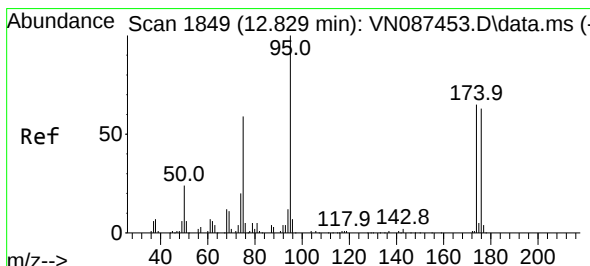
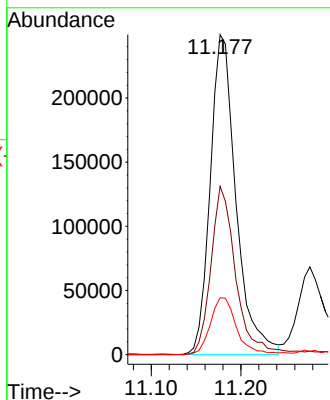
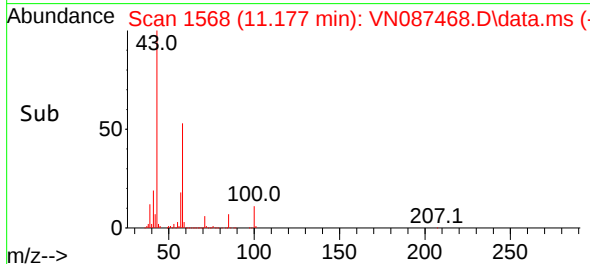
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 496699
Ion Ratio Lower Upper
43 100
58 50.5 41.0 61.6
57 17.9 14.6 21.8

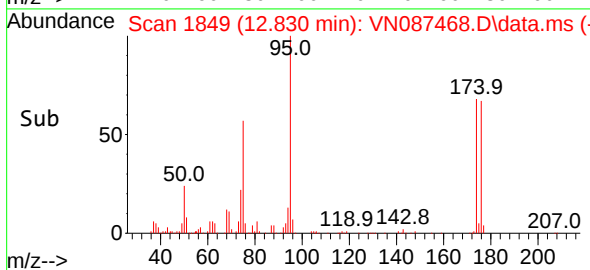
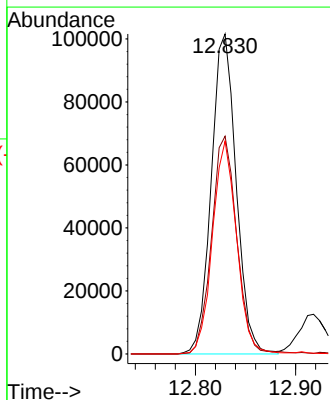
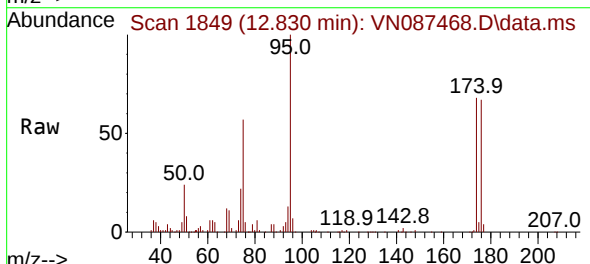
Manual Integrations
APPROVED

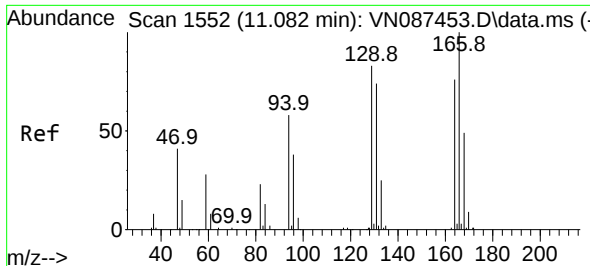
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#60
4-Bromofluorobenzene
Concen: 29.672 ug/l
RT: 12.830 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

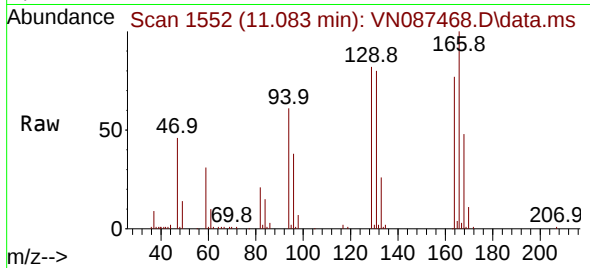
Tgt Ion: 95 Resp: 175680
Ion Ratio Lower Upper
95 100
174 68.3 52.3 78.5
176 64.5 49.8 74.8





#61
Tetrachloroethene
Concen: 17.083 ug/l
RT: 11.083 min Scan# 1552
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

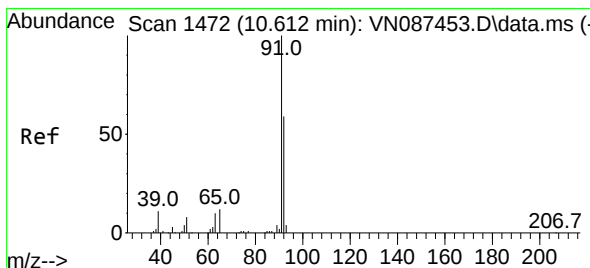
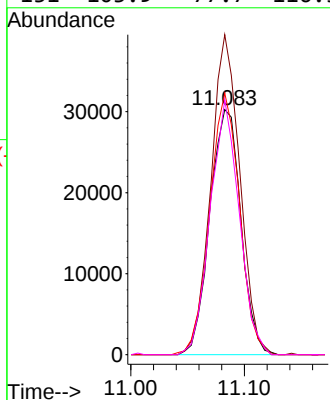
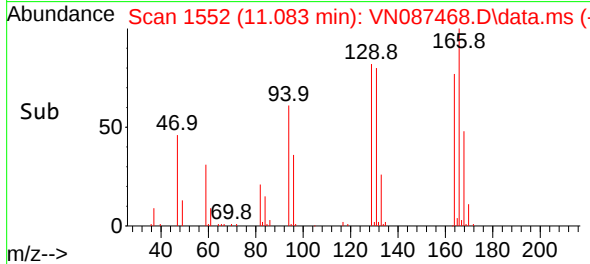
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



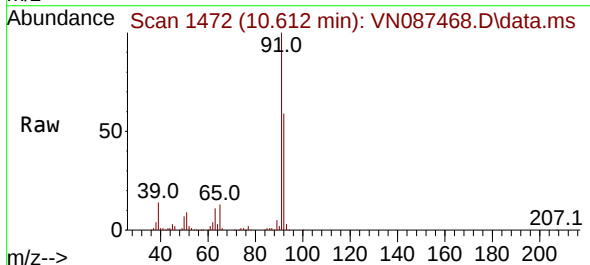
Tgt Ion:164 Resp: 57259
Ion Ratio Lower Upper
164 100
166 130.5 105.4 158.0
129 106.7 87.7 131.5
131 103.9 77.7 116.5

Manual Integrations
APPROVED

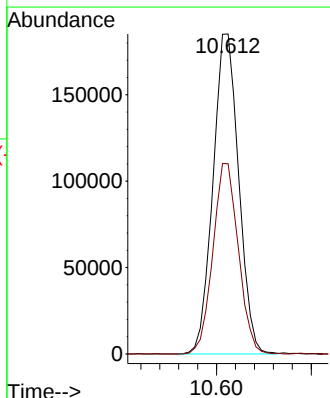
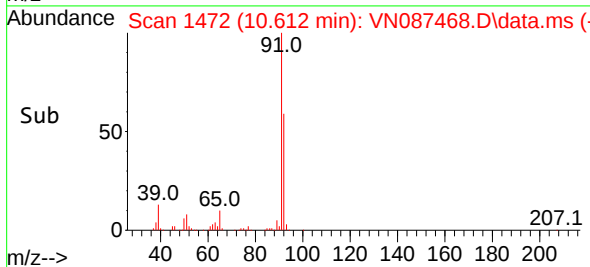
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

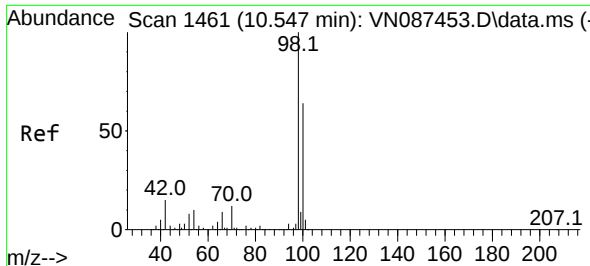


#62
Toluene
Concen: 16.459 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25



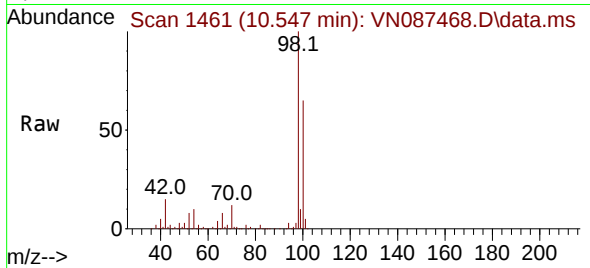
Tgt Ion: 91 Resp: 349505
Ion Ratio Lower Upper
91 100
92 58.9 45.8 68.6





#63
Toluene-d8
Concen: 30.132 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

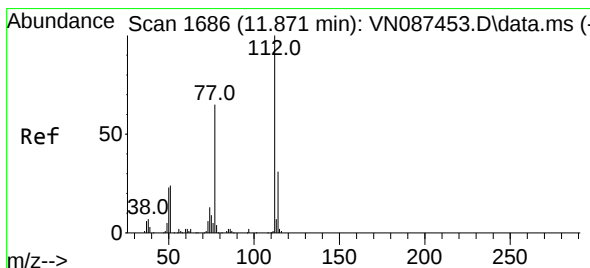
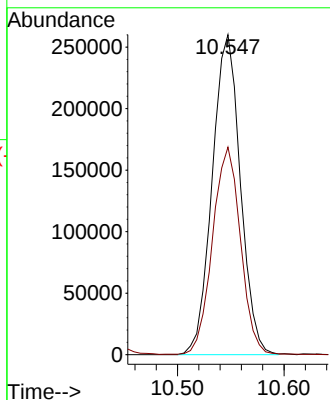
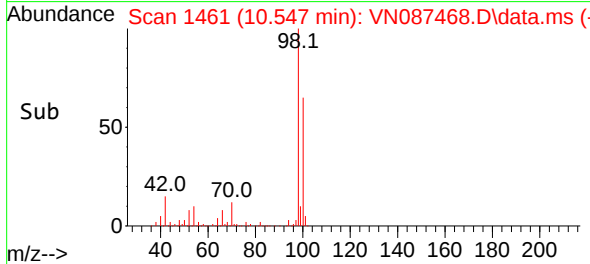
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 98 Resp: 47700
Ion Ratio Lower Upper
98 100
100 64.6 50.5 75.7

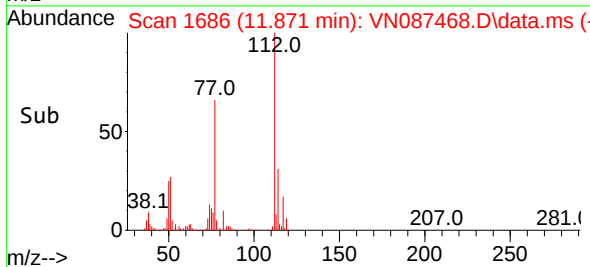
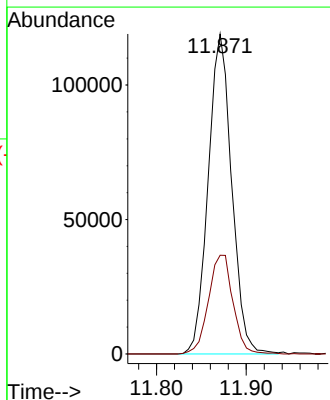
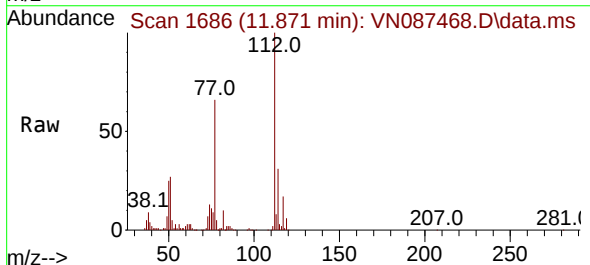
Manual Integrations
APPROVED

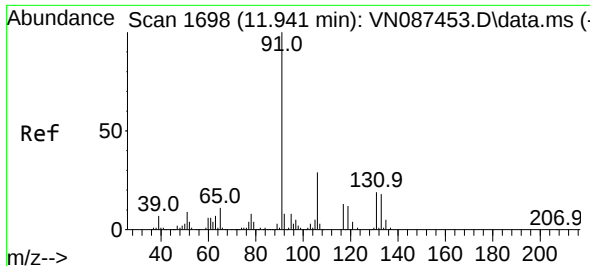
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#64
Chlorobenzene
Concen: 16.597 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

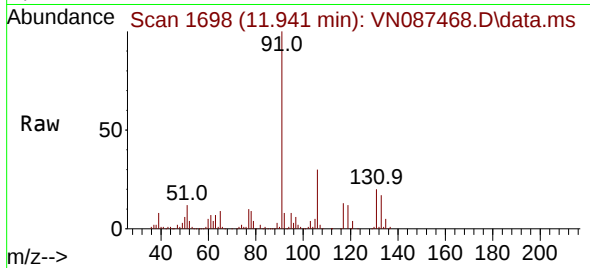
Tgt Ion:112 Resp: 216560
Ion Ratio Lower Upper
112 100
114 30.8 24.7 37.1





#65
1,1,1,2-Tetrachloroethane
Concen: 16.858 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

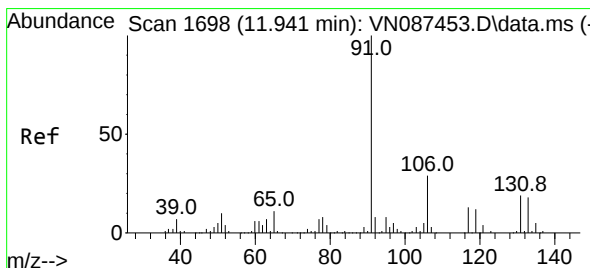
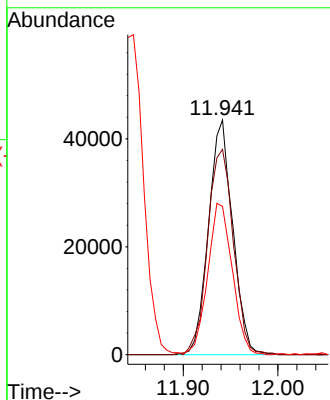
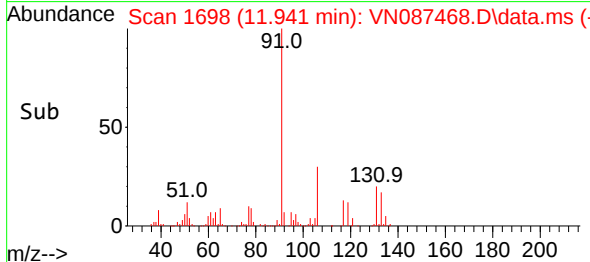
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



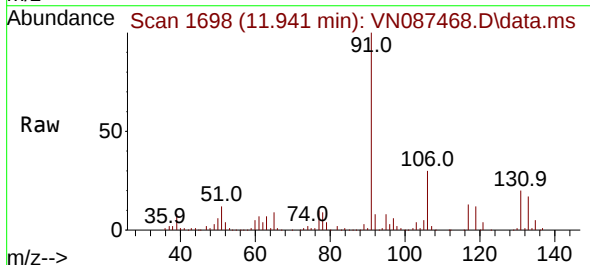
Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.3	0.0	189.8
119	65.4	0.0	133.2

Manual Integrations
APPROVED

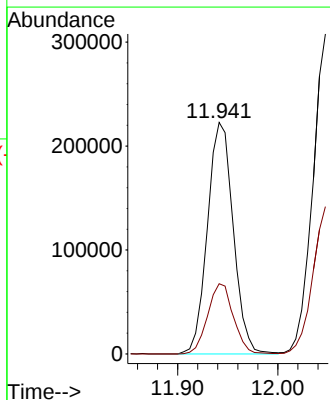
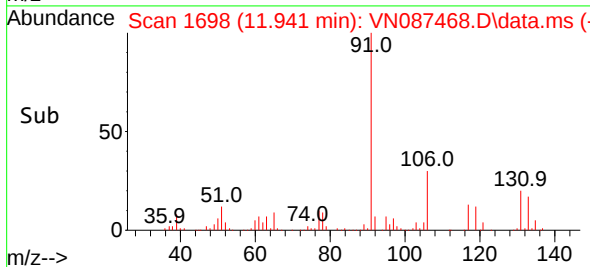
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

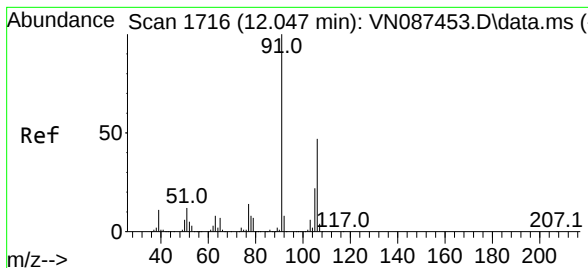


#66
Ethyl Benzene
Concen: 16.795 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25



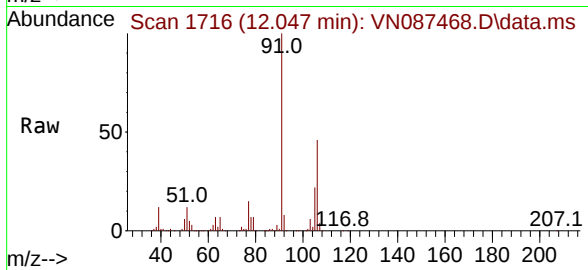
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	22.9	34.3





#67
m/p-Xylenes
Concen: 32.961 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

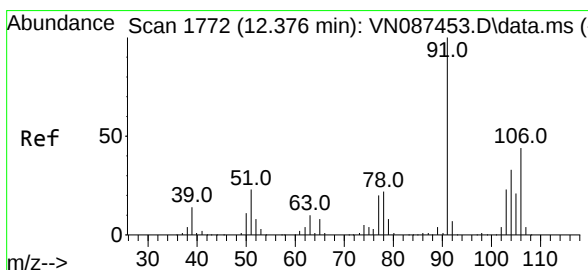
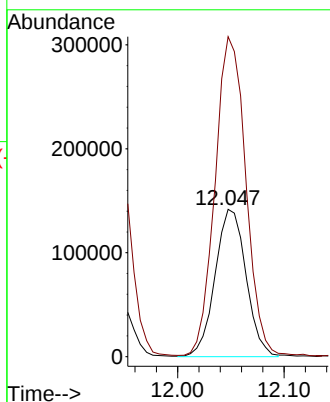
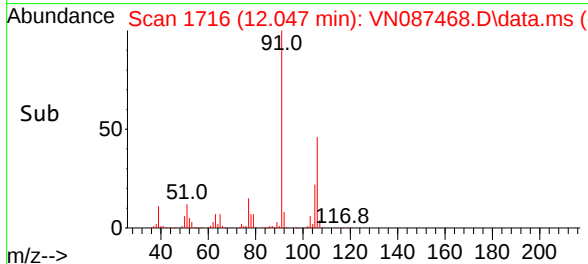
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:106 Resp: 28635
Ion Ratio Lower Upper
106 100
91 216.7 174.2 261.2

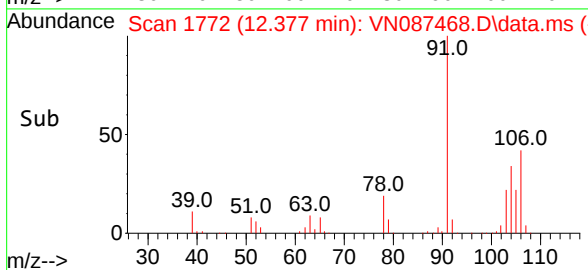
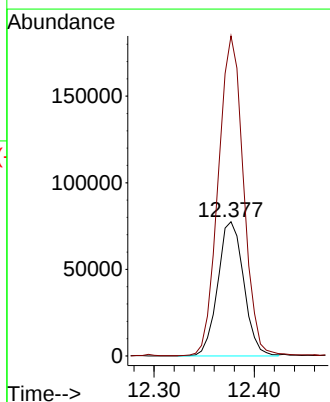
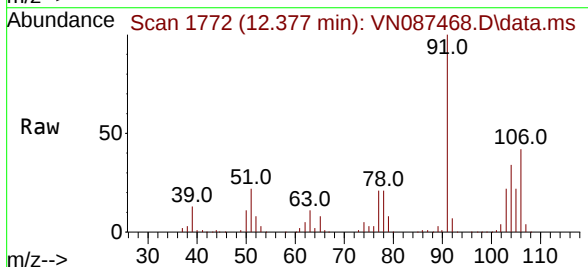
Manual Integrations
APPROVED

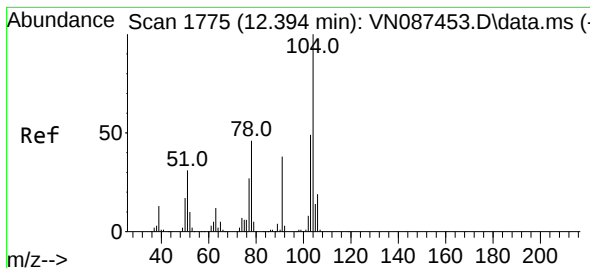
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#68
o-Xylene
Concen: 16.271 ug/l
RT: 12.377 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

Tgt Ion:106 Resp: 139062
Ion Ratio Lower Upper
106 100
91 231.8 114.5 343.5





#69

Styrene

Concen: 16.221 ug/l

RT: 12.388 min Scan# 1774

Delta R.T. -0.006 min

Lab File: VN087468.D

Acq: 06 Aug 2025 09:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

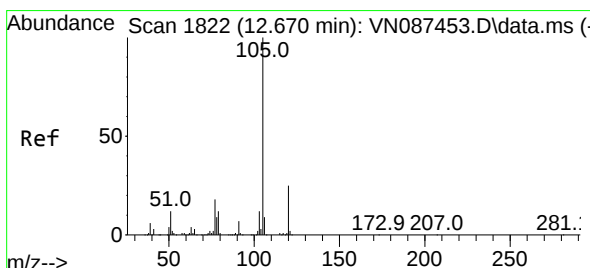
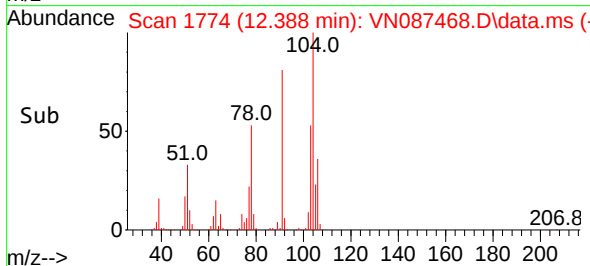
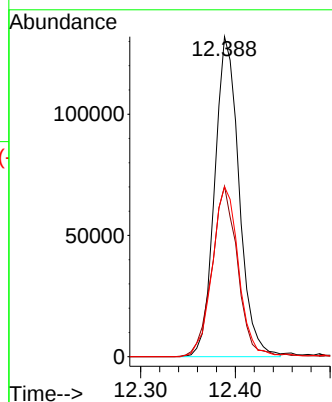
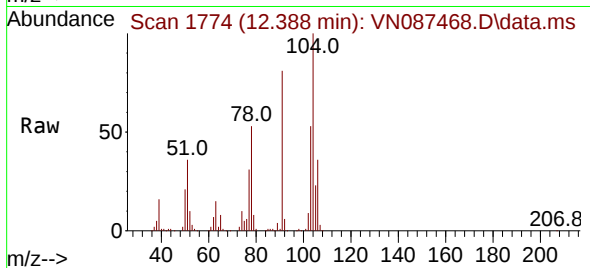
Tgt Ion:104 Resp: 23672
 Ion Ratio Lower Upper
 104 100
 78 55.6 43.8 65.8
 103 56.9 43.1 64.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/07/2025

Supervised By :Mahesh Dadoda 08/07/2025



#70

Isopropylbenzene

Concen: 16.827 ug/l

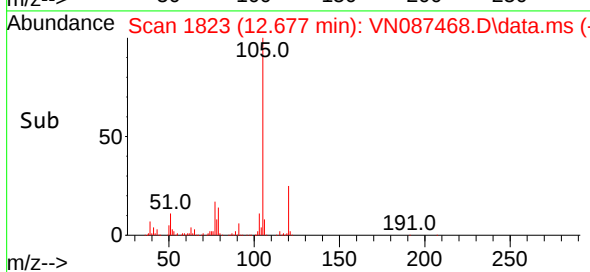
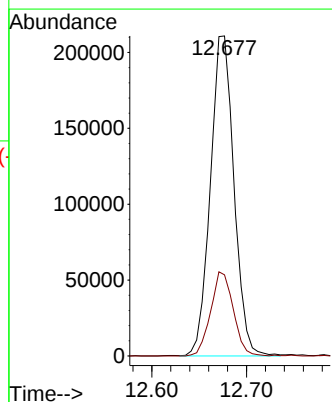
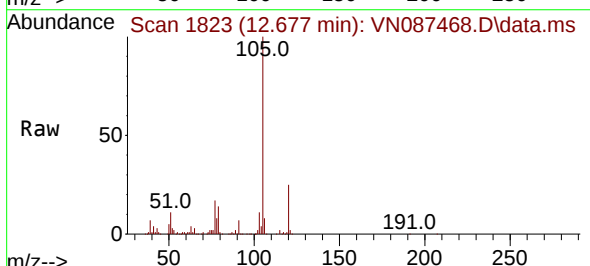
RT: 12.677 min Scan# 1823

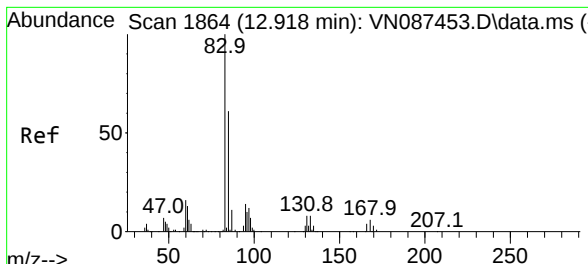
Delta R.T. 0.006 min

Lab File: VN087468.D

Acq: 06 Aug 2025 09:25

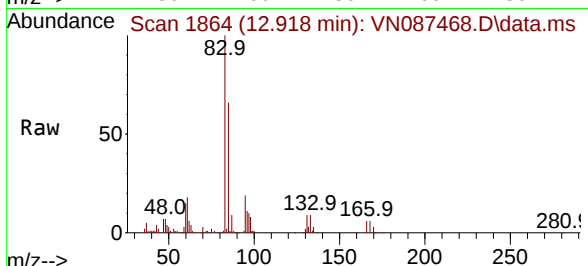
Tgt Ion:105 Resp: 365378
 Ion Ratio Lower Upper
 105 100
 120 25.1 17.5 32.5





#71
 1,1,2,2-Tetrachloroethane
 Concen: 16.342 ug/l
 RT: 12.918 min Scan# 1864
 Delta R.T. 0.000 min
 Lab File: VN087468.D
 Acq: 06 Aug 2025 09:25

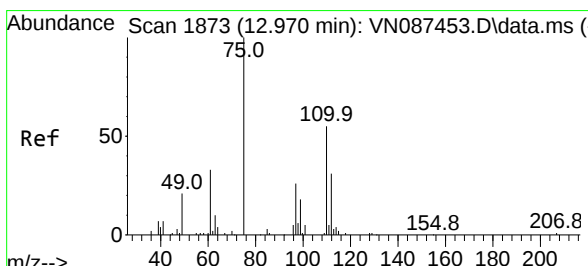
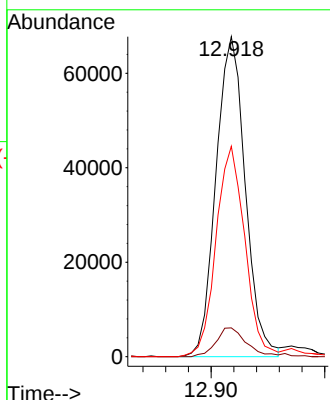
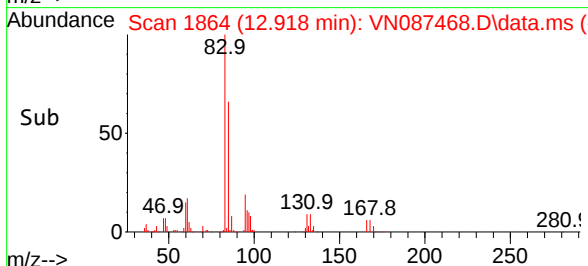
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 83 Resp: 121580
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.8 14.3
 85 64.5 31.7 95.1

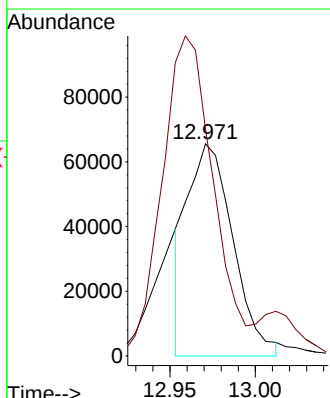
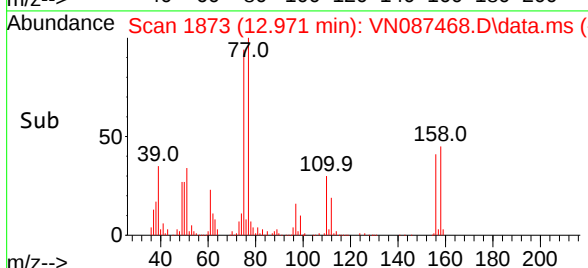
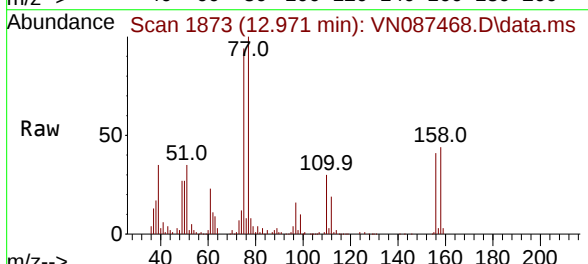
Manual Integrations
 APPROVED

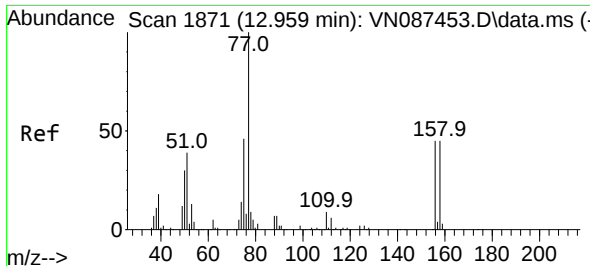
Reviewed By :John Carlone 08/07/2025
 Supervised By :Mahesh Dadoda 08/07/2025



#72
 1,2,3-Trichloropropane
 Concen: 17.556 ug/l m
 RT: 12.971 min Scan# 1873
 Delta R.T. 0.000 min
 Lab File: VN087468.D
 Acq: 06 Aug 2025 09:25

Tgt Ion: 75 Resp: 121680
 Ion Ratio Lower Upper
 75 100
 77 168.7 0.0 385.0





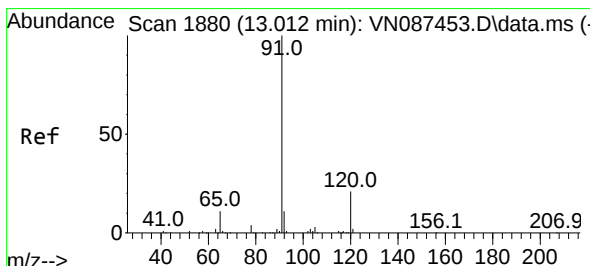
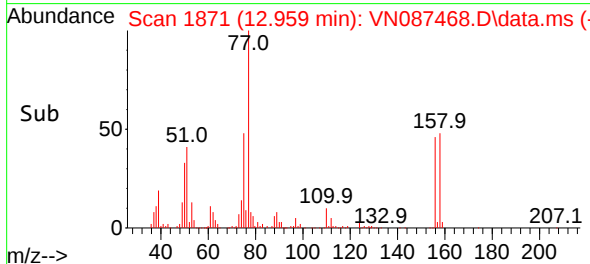
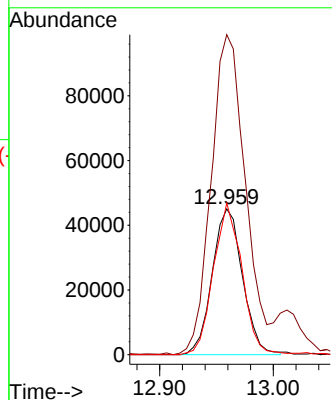
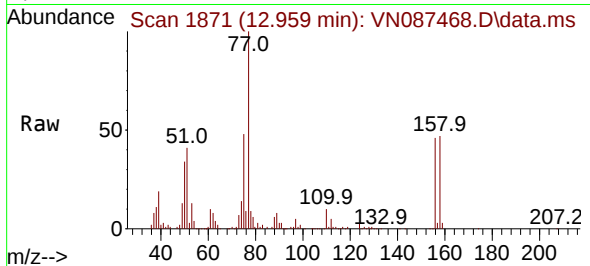
#73
Bromobenzene
Concen: 16.587 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:156 Resp: 8349
Ion Ratio Lower Upper
156 100
77 245.9 0.0 506.6
158 97.4 0.0 193.6

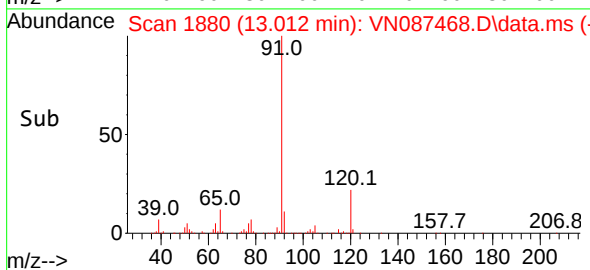
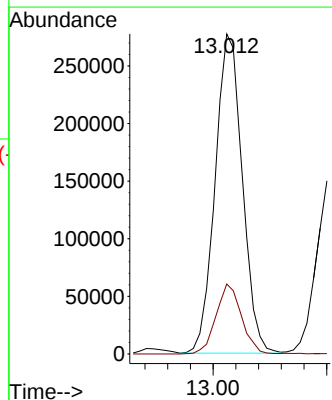
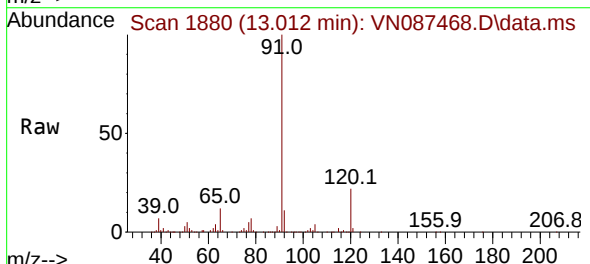
Manual Integrations
APPROVED

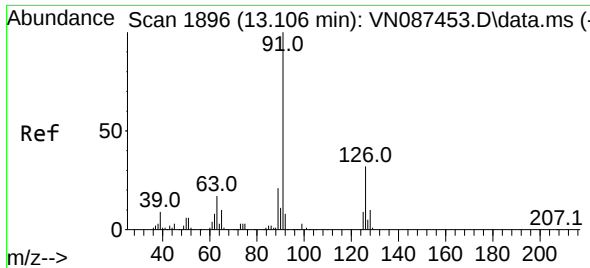
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#74
n-propylbenzene
Concen: 16.984 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

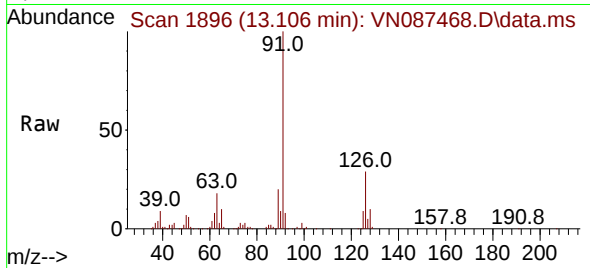
Tgt Ion: 91 Resp: 460576
Ion Ratio Lower Upper
91 100
120 20.5 0.0 41.8





#75
2-Chlorotoluene
Concen: 16.444 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

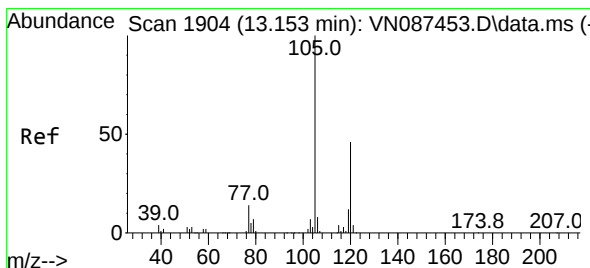
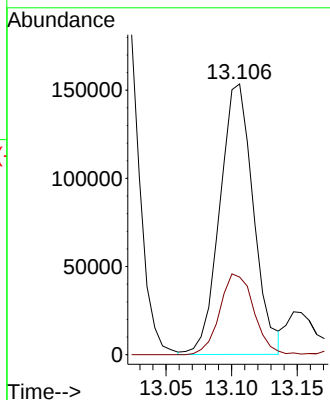
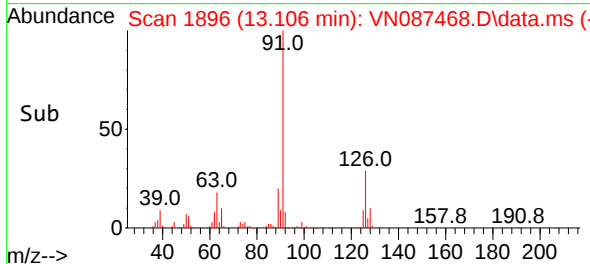
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



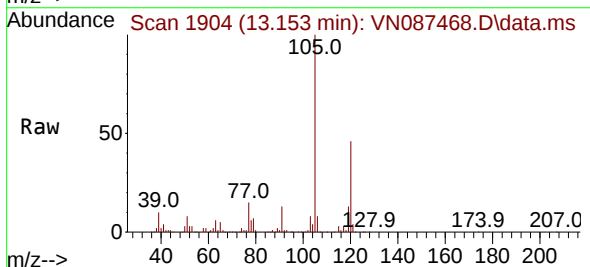
Tgt Ion: 91 Resp: 274308
Ion Ratio Lower Upper
91 100
126 30.2 0.0 60.4

Manual Integrations
APPROVED

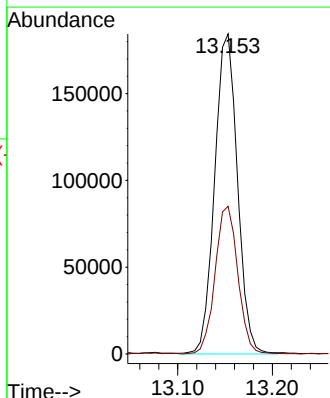
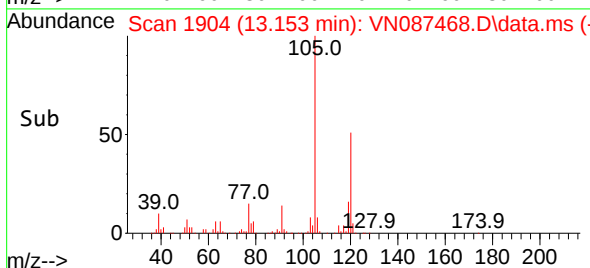
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

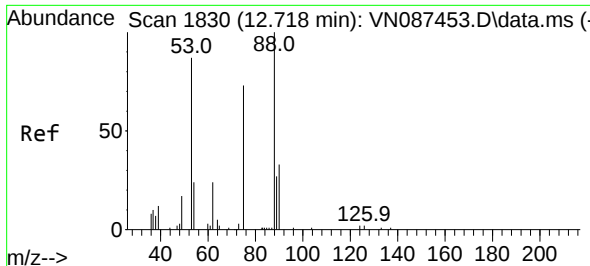


#76
1,3,5-Trimethylbenzene
Concen: 16.585 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25



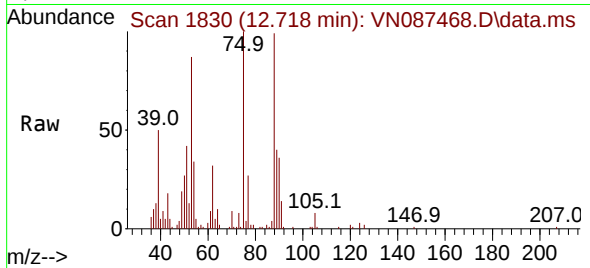
Tgt Ion:105 Resp: 308349
Ion Ratio Lower Upper
105 100
120 46.1 0.0 91.2





#77
t-1,4-Dichloro-2-butene
Concen: 16.163 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

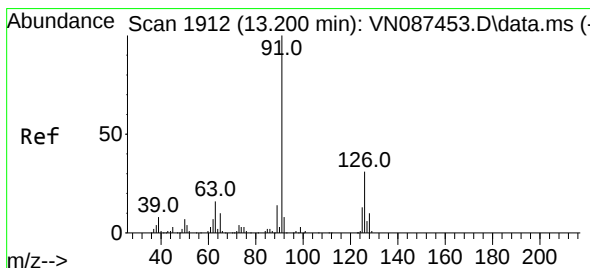
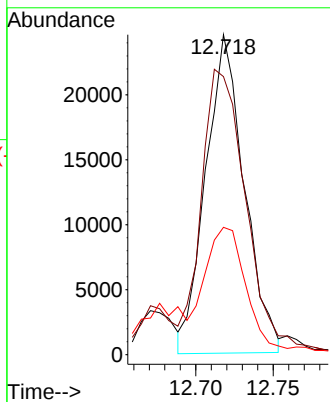
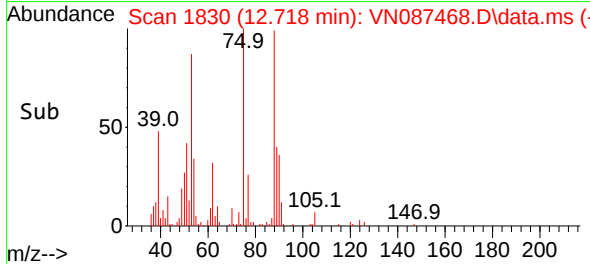
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 42400
Ion Ratio Lower Upper
75 100
53 85.2 59.0 176.8
89 39.0 22.1 66.5

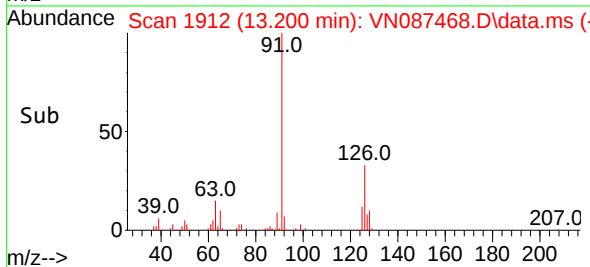
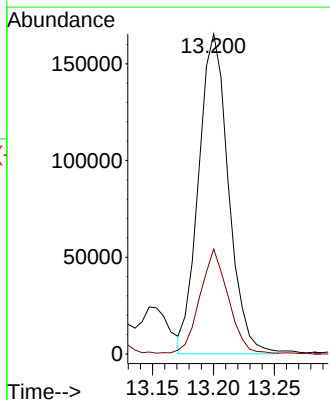
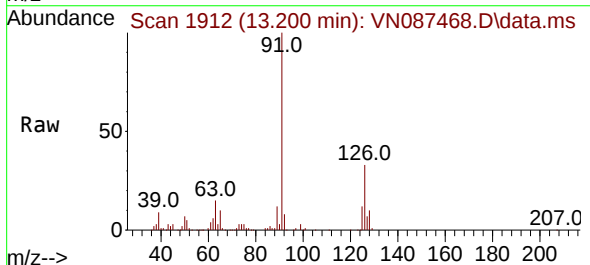
Manual Integrations
APPROVED

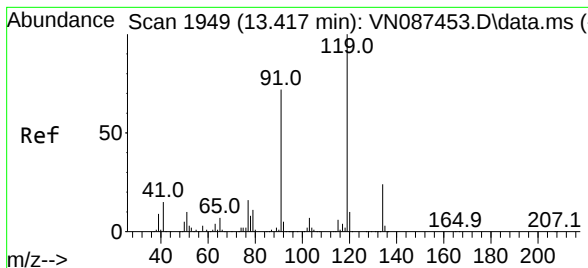
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#78
4-Chlorotoluene
Concen: 16.715 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

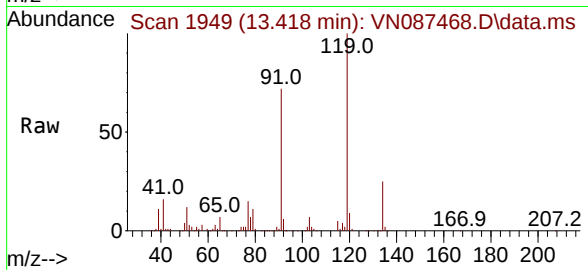
Tgt Ion: 91 Resp: 282550
Ion Ratio Lower Upper
91 100
126 31.2 0.0 63.2





#79
tert-butylbenzene
Concen: 16.716 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

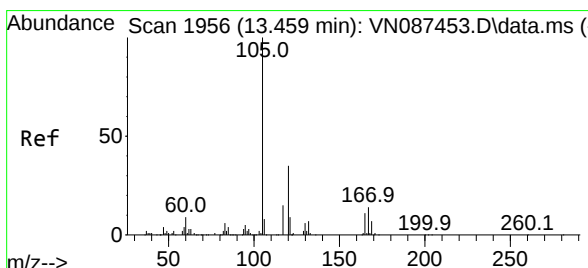
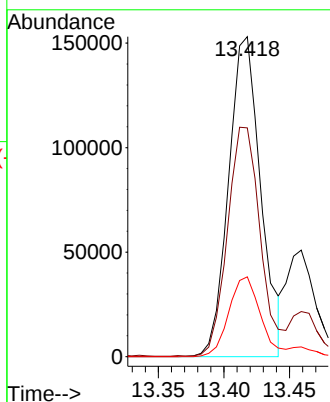
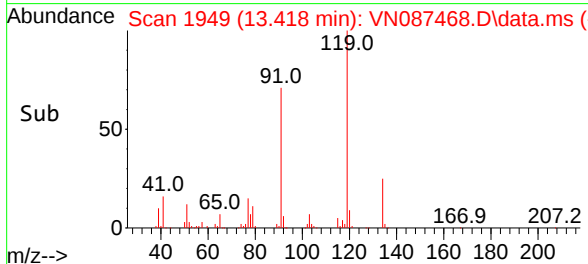
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



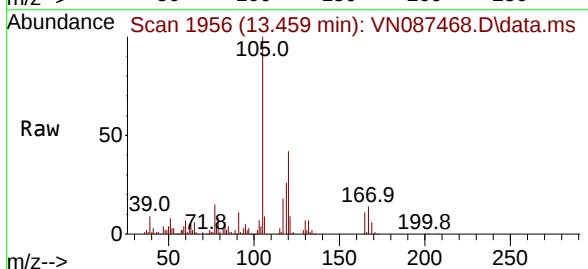
Tgt Ion:119 Resp: 262028
Ion Ratio Lower Upper
119 100
91 73.5 0.0 141.6
134 24.5 0.0 45.6

Manual Integrations
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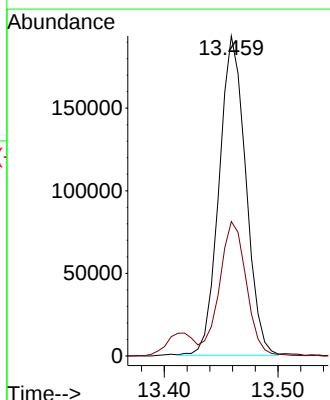
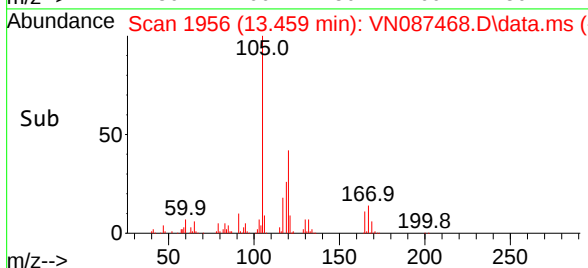
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

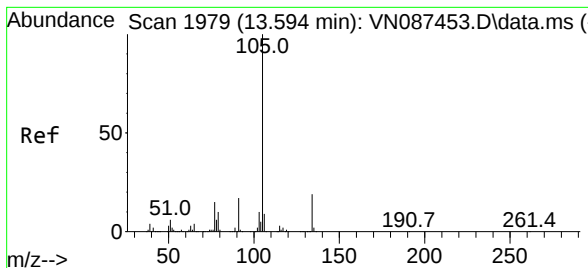


#80
1,2,4-Trimethylbenzene
Concen: 16.959 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25



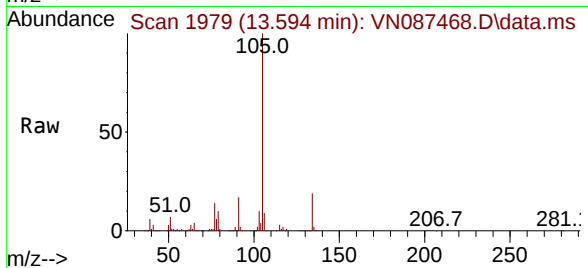
Tgt Ion:105 Resp: 315055
Ion Ratio Lower Upper
105 100
120 42.3 0.0 87.2





#81
 sec-Butylbenzene
 Concen: 16.814 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087468.D
 Acq: 06 Aug 2025 09:25

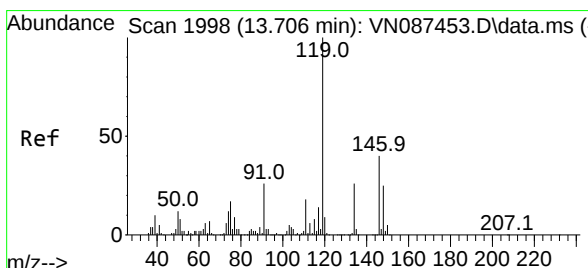
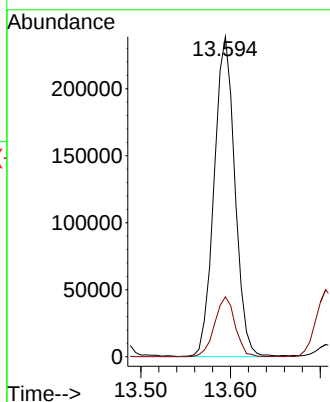
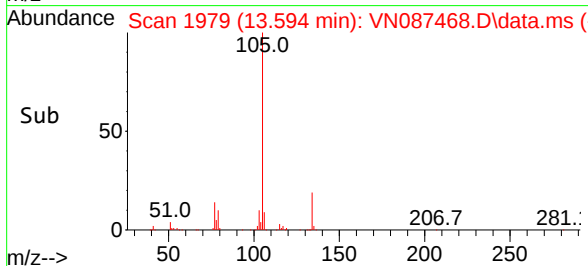
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



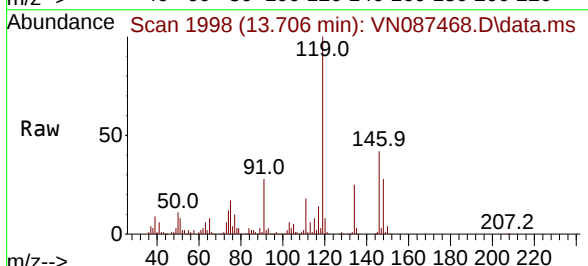
Tgt Ion:105 Resp: 383694
 Ion Ratio Lower Upper
 105 100
 134 18.4 0.0 37.6

Manual Integrations
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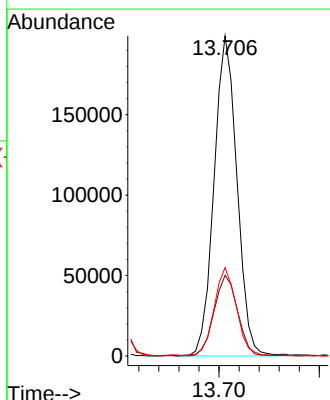
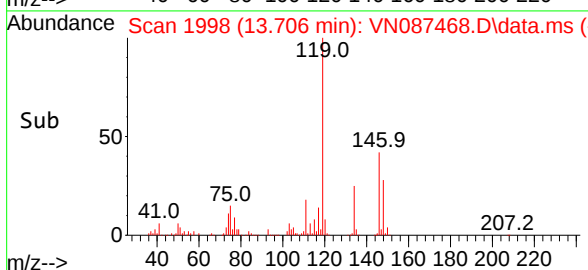
Reviewed By :John Carlone 08/07/2025
 Supervised By :Mahesh Dadoda 08/07/2025

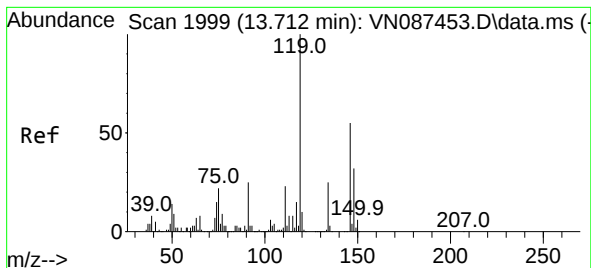


#82
 p-Isopropyltoluene
 Concen: 16.643 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087468.D
 Acq: 06 Aug 2025 09:25



Tgt Ion:119 Resp: 315331
 Ion Ratio Lower Upper
 119 100
 134 25.9 0.0 51.4
 91 26.5 0.0 52.0





#83

1,3-Dichlorobenzene

Concen: 16.521 ug/l

RT: 13.712 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VN087468.D

Acq: 06 Aug 2025 09:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

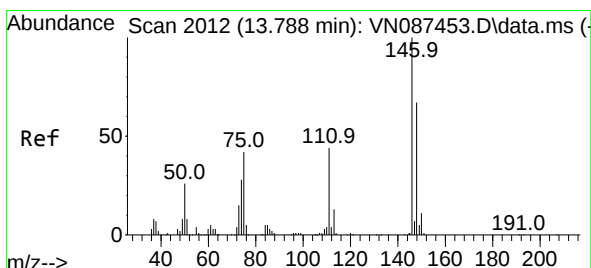
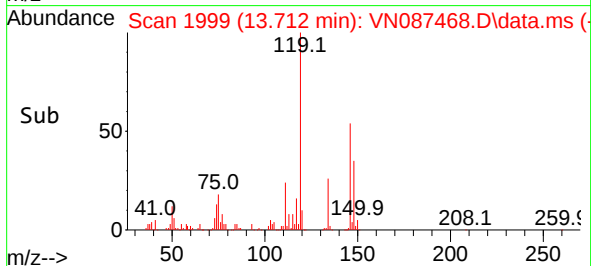
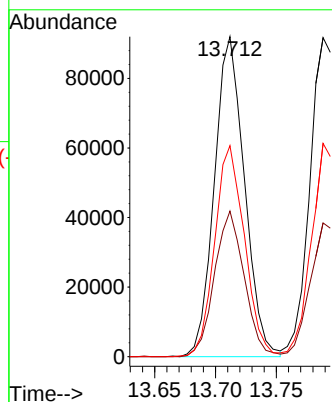
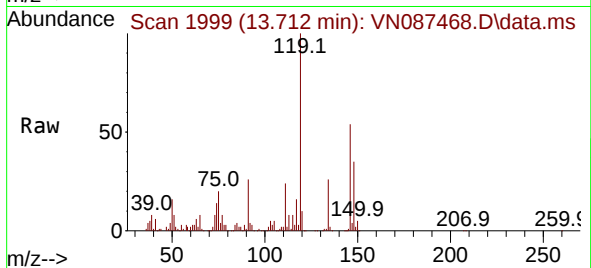
Tgt Ion:146 Resp: 158358
 Ion Ratio Lower Upper
 146 100
 111 45.0 21.9 65.5
 148 65.1 31.3 93.9

Manual Integrations

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Reviewed By :John Carlone 08/07/2025

Supervised By :Mahesh Dadoda 08/07/2025



#84

1,4-Dichlorobenzene

Concen: 16.711 ug/l

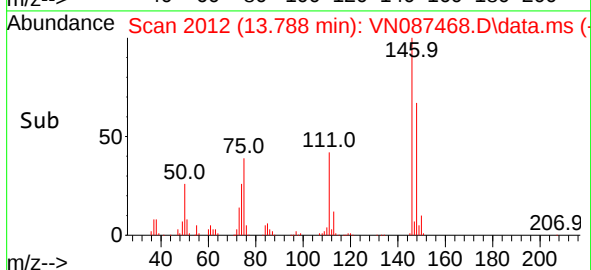
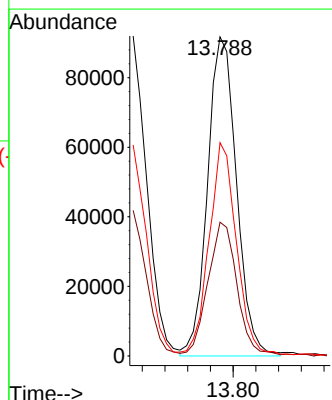
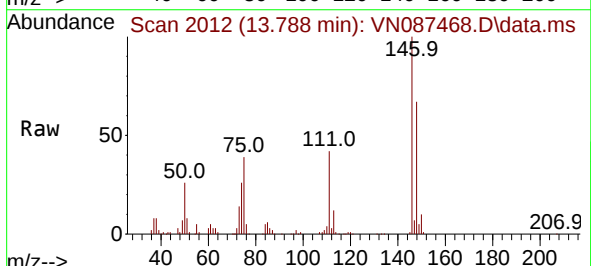
RT: 13.788 min Scan# 1212

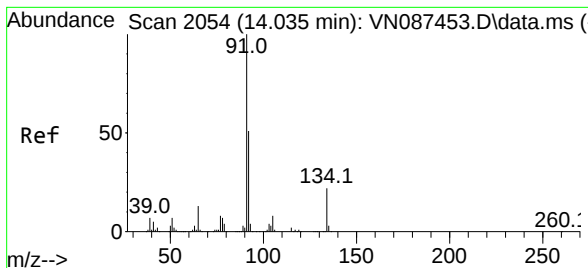
Delta R.T. 0.000 min

Lab File: VN087468.D

Acq: 06 Aug 2025 09:25

Tgt Ion:146 Resp: 162399
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.1 63.1
 148 63.3 31.4 94.3





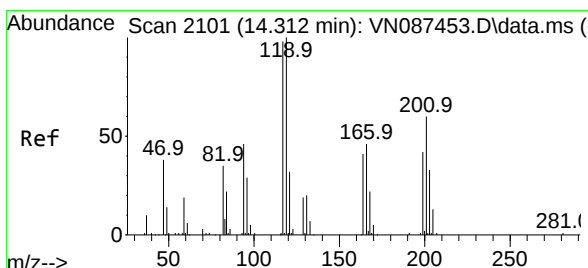
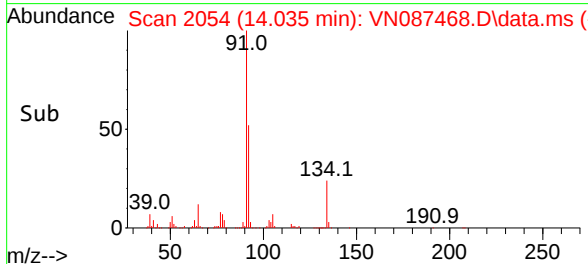
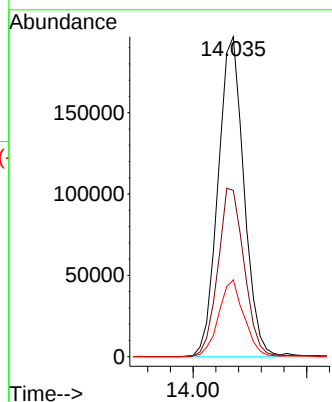
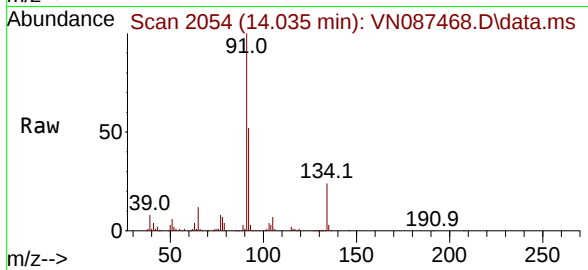
#85
n-Butylbenzene
Concen: 16.770 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 31087
Ion Ratio Lower Upper
91 100
92 53.9 0.0 106.6
134 23.6 0.0 44.4

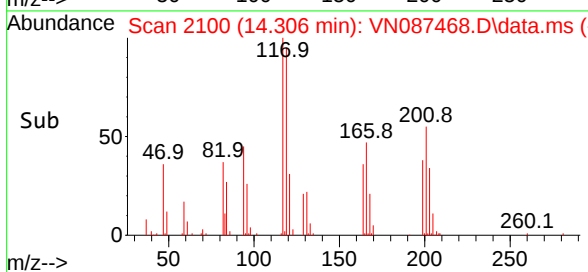
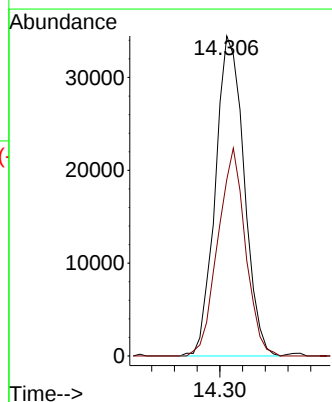
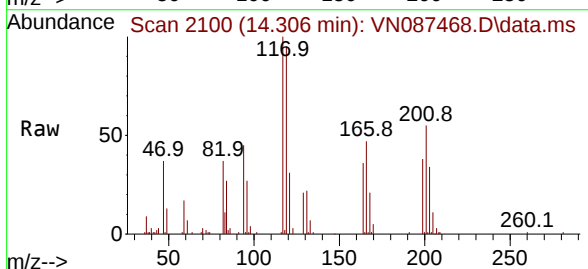
Manual Integrations
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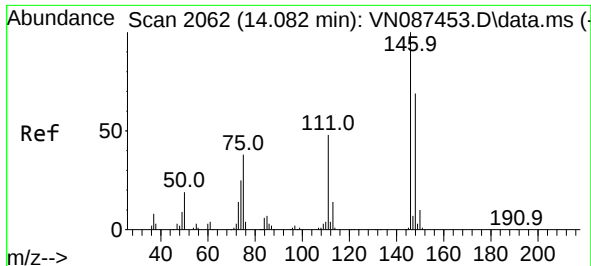
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#86
Hexachloroethane
Concen: 16.355 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

Tgt Ion:117 Resp: 60515
Ion Ratio Lower Upper
117 100
201 62.4 29.1 87.4





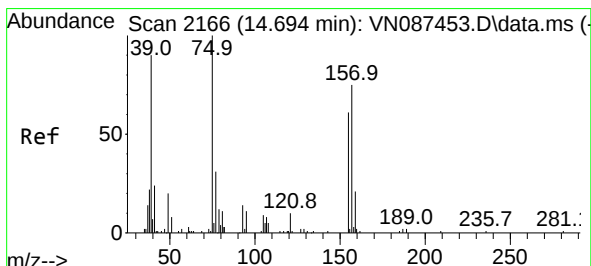
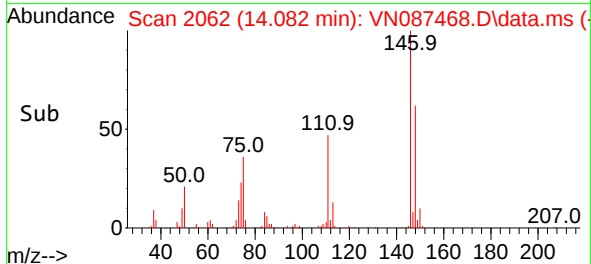
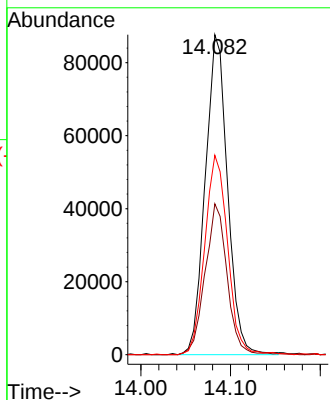
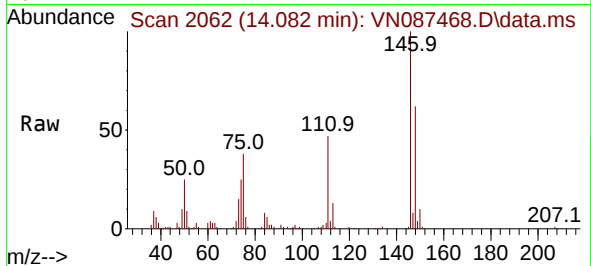
#87
1,2-Dichlorobenzene
Concen: 16.510 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:146 Resp: 151059
Ion Ratio Lower Upper
146 100
111 46.3 22.9 68.7
148 64.0 31.6 94.7

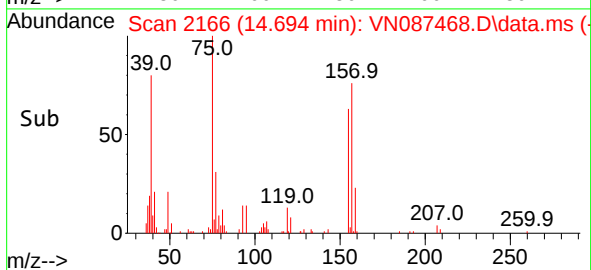
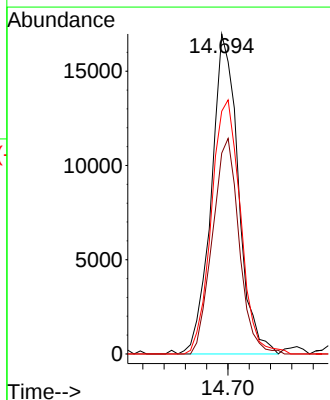
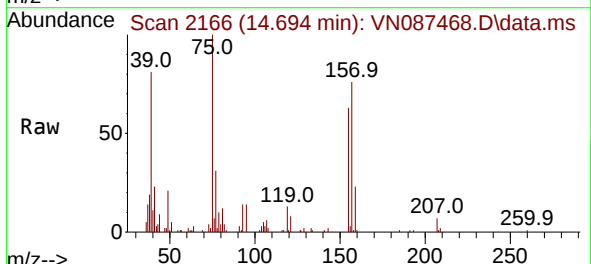
Manual Integrations
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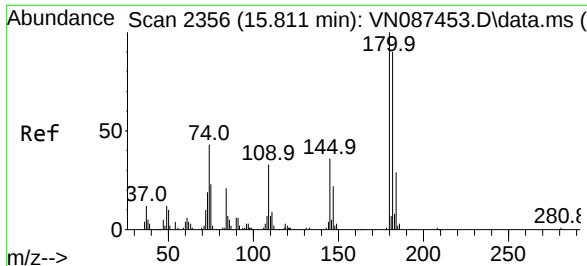
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 15.809 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

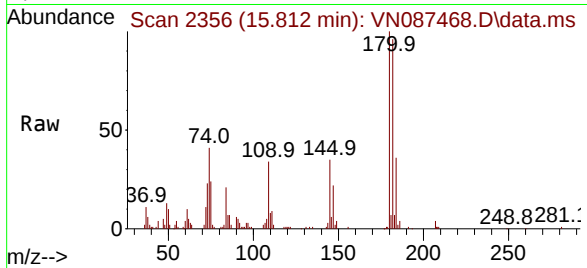
Tgt Ion: 75 Resp: 29796
Ion Ratio Lower Upper
75 100
155 66.5 55.7 83.5
157 85.6 65.8 98.6





#89
1,2,4-Trichlorobenzene
Concen: 15.850 ug/l
RT: 15.812 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

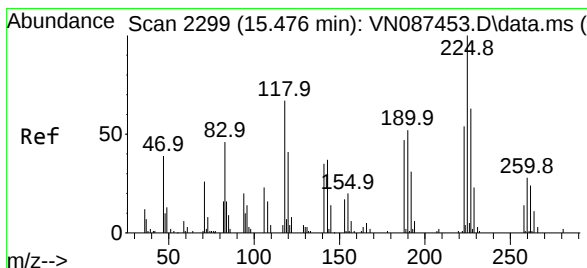
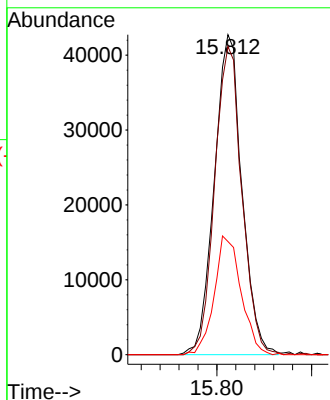
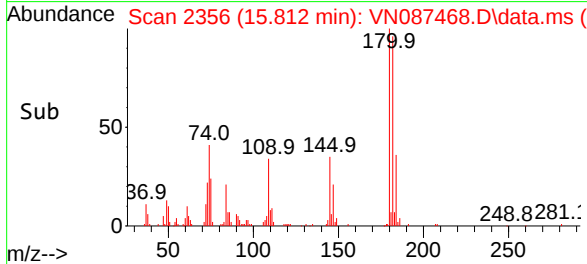
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



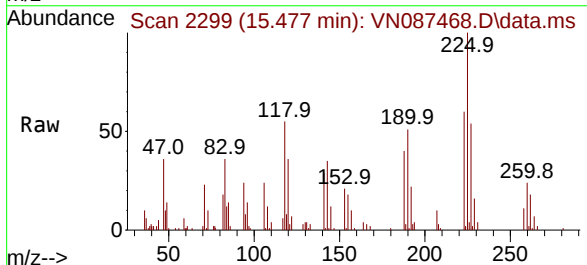
Tgt Ion:180 Resp: 86670
Ion Ratio Lower Upper
180 100
182 94.6 75.0 112.4
145 36.0 28.6 43.0

Manual Integrations
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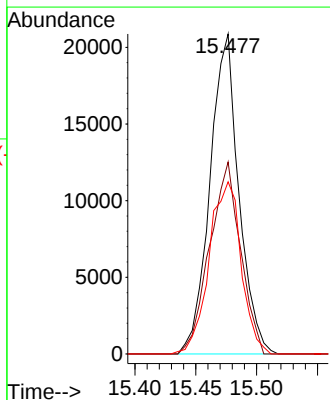
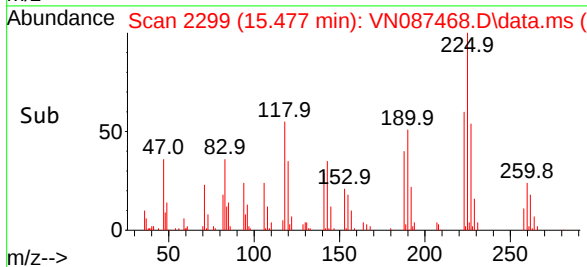
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

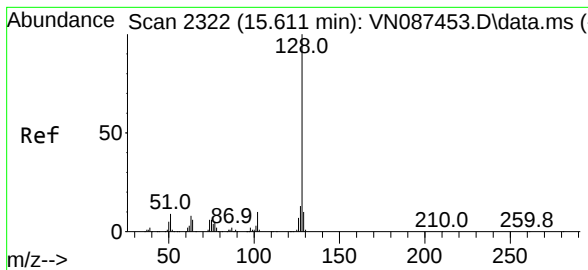


#90
Hexachlorobutadiene
Concen: 16.214 ug/l
RT: 15.477 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25



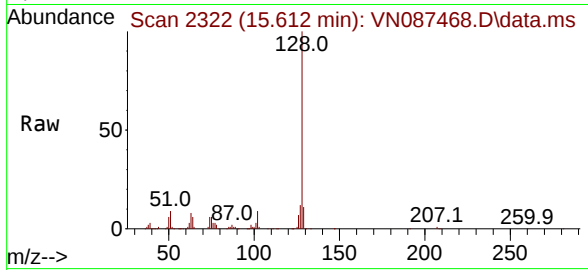
Tgt Ion:225 Resp: 34476
Ion Ratio Lower Upper
225 100
223 64.0 0.0 116.0
227 59.5 0.0 127.0





#91
Naphthalene
Concen: 15.825 ug/l
RT: 15.612 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25

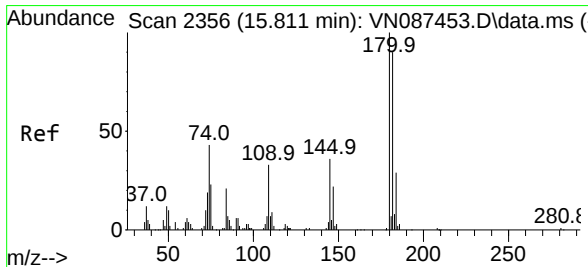
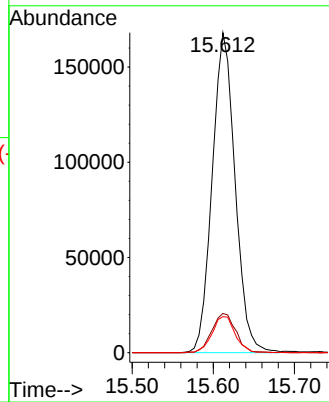
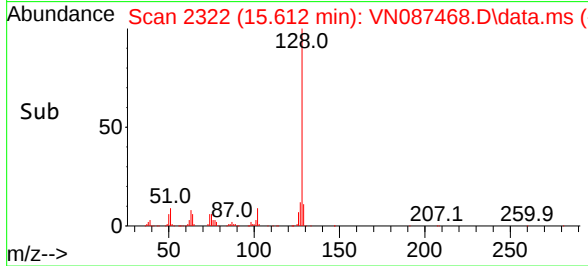
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



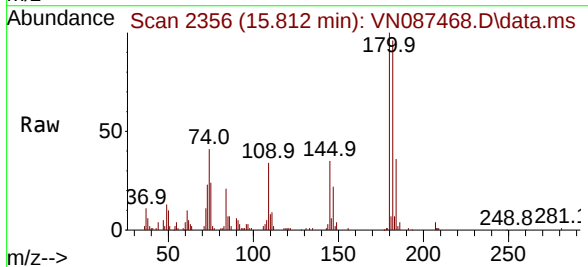
Tgt Ion:128 Resp: 32995
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.4 8.9 13.3

Manual Integrations
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Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#92
1,2,3-Trichlorobenzene
Concen: 15.850 ug/l
RT: 15.812 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN087468.D
Acq: 06 Aug 2025 09:25



Tgt Ion:180 Resp: 86670
Ion Ratio Lower Upper
180 100
182 94.6 0.0 187.4
145 36.0 0.0 71.6

